

Wiring Diagram Manual

MODEL 172R SERIAL NUMBERS 17280001 AND ON AND MODEL 172S SERIAL NUMBERS 172S8001 AND ON



Member of GAMA

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

LIST OF REVISIONS

1. Effectivity

- A. The configuration of each airplane is tailored to the request of the customer. This Wiring Diagram Manual covers airplanes serial 172R-80001 & On, and airplanes 172S-8001 and On.

NOTE: Information in this Wiring Diagram Manual is applicable to U.S. and foreign certified Model 172R, and Model 172S airplanes. Information unique to a particular country is identified in the chapter(s) affected.

2. Revisions

- A. This Wiring Diagram Manual includes the original issue and the following listed revisions. To ensure that information in this manual is current, the revisions shall be incorporated in to the manual as they are issued.

Original Issue - 2 December 1996

Revision 1 - 15 May 1997

Revision 2 - 15 May 1998

Revision 3 - 1 August 2000

Revision 4 - 15 January 2001

Revision 5 - 18 August 2001

Revision 6 - 5 May 2003

Revision 7 - 20 January 2006

Revision 8 - 1 January 2007

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INTRODUCTION

1. Coverage

- A. The Wiring Diagram Manual is prepared in accordance with Air Transport Association (ATA) Specification 100 for Manufacturer's Technical Data.
- B. The information in this publication is based on data available at the time of publication and is updated, supplemented, and automatically amended by all information issued in Service News Letters, Service Bulletins, Supplier Service Notices, Publication Changes, Revisions, Reissues and Temporary Revisions. All such amendments become part of and are specifically incorporated within this publication. Users are urged to keep abreast of the latest amendments to this publication through information available at Cessna Authorized Service Stations or through the Cessna Product Support subscription services. Cessna Service Stations have supplier publications which provide disassembly, overhaul, and parts breakdowns for some of the various supplier equipment items. Suppliers publications are updated, supplemented, and specifically amended by supplier issued revisions and service information which may be reissued by Cessna, thereby automatically amending this publication and are communicated to the field through Cessna's Authorized Service Stations and/or through Cessna's subscription services.

WARNING: ALL INSPECTION INTERVALS, REPLACEMENT TIME LIMITS, OVERHAUL TIME LIMITS, THE METHOD OF INSPECTION, LIFE LIMITS, CYCLE LIMITS, ETC., RECOMMENDED BY CESSNA ARE SOLELY BASED ON THE USE OF NEW, REMANUFACTURED, OR OVERHAULED CESSNA APPROVED PARTS. IF PARTS ARE DESIGNED, MANUFACTURED, REMANUFACTURED, OVERHAULED, AND/OR APPROVED BY ENTITIES OTHER THAN CESSNA, THEN THE DATA IN CESSNA'S MAINTENANCE/SERVICE MANUALS AND PARTS CATALOGS ARE NO LONGER APPLICABLE AND THE PURCHASER IS WARNED NOT TO RELY ON SUCH DATA FOR NON-CESSNA PARTS. ALL INSPECTION INTERVALS, REPLACEMENT TIME LIMITS, OVERHAUL TIME LIMITS, THE METHOD OF INSPECTION, LIFE LIMITS, CYCLE LIMITS, ETC., FOR SUCH NON-CESSNA PARTS MUST BE OBTAINED FROM THE MANUFACTURER AND/OR SELLER OF SUCH NON-CESSNA PARTS.

- C. Inspection, maintenance and parts requirements for Supplemental Type Certification (STC) installations are not included in this manual. When an STC installation is incorporated on the airplane, those portions of the airplane affected by the installation must be inspected in accordance with the inspection program published by the owner of the STC. Since STC installations may change systems interface, operating characteristics and component loads or stresses on adjacent structures. Cessna provided inspection criteria may not be valid for airplanes with STC installations.
- D. This manual has been prepared to assist personnel in maintaining wiring and electrical/electronic components in this airplane and provides the necessary information required to troubleshoot, remove and replace components or repair systems.
- E. Information beyond the scope of this manual may be found in the Maintenance Manual, Illustrated Parts Catalog and Structural Repair Manual. For technical assistance concerning this manual, contact Cessna Aircraft Company, Propeller Aircraft Product Support.
- F. Technical Publications available from suppliers of various components and systems, which are not covered in this manual, must be utilized as required for maintenance of those components.

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- G. Publications for this model are available in paper, aerofiche and CD-ROM versions. For information concerning the different versions and availability of these publications, contact Cessna Aircraft Company, Propeller Aircraft Product Support.

- (1) Paper versions are available as individual publications.
- (2) Aerofiche versions are available as individual publications. Aerofiche versions are a copy of the paper version of the manual.
- (3) Maintenance Manual, Illustrated Parts Catalog, Wiring Diagram Manual and Structural Repair Manual CD-ROM versions are grouped together on a CD-ROM. Refer to the CD-ROM introduction for information about items marked as (Paper version of this manual only.).

2. Effectivity

- A. This Wiring Diagram Manual covers Model 172R, Airplanes 17280001 and On; and Model 172S, Airplanes 172S08001 and On.

NOTE: Information in this Wiring Diagram Manual is applicable to U.S. and foreign certified Model 172R, Airplanes 17280001 and On; and Model 172S, Airplanes 172S08001 and On. Information unique to a particular country is identified in the chapter(s) affected.

3. List of Effective Pages(Paper version of this manual only.)

- A. A list of effective pages is provided with each wiring diagram manual chapter. All pages in the chapter are listed in sequence with the most recent revision date for each page.

4. Temporary Revision(Paper version of this manual only.)

- A. Additional information which becomes available will be provided through temporary revision. This service is used to provide, without delay, new information which will assist in maintaining safe and efficient flight/ground operations. The temporary revisions are normally incorporated in the wiring diagram manual at the next revision, and then becomes a permanent part of the manual.

5. Revision Filing Instructions

- A. Regular Revision.

(Paper version of this manual only.)

- (1) Refer to the List of Effective pages of each chapter while inserting a revision.
- (2) Pages changed by the revision will be indicated by the revision date on the page and on the List of Effective pages for that chapter. The revised page replaces the existing page in the manual.
- (3) New pages added to the manual are indicated by "Added" on the List of Effective pages. Pages are inserted in the manual in sequence by chapter/section/subject and page number.
- (4) Existing pages no longer needed in the manual are indicated by "Deleted" on the List of Effective pages. These pages are to be removed and discarded. When a page has been deleted by a revision, the List of Effective pages for subsequent revisions does not list the page.

- B. Temporary Revisions:

(Paper version of this manual only.)

- (1) File temporary revisions in the applicable chapter in accordance with filing instructions that appear on the title page.
- (2) Temporary revisions should be removed from the manual only when replaced by a revision to the manual or by instructions noted on the superseding temporary revision.

6. Revision Indicators

- A. Additions, deletions or revisions to text in an existing section will be identified by a revision bar in the left margin of the page adjacent to the change. This is applicable to the List of Revisions, Introduction, Chapter 20, and Chapter 91 only.
- B. When technical changes cause unchanged text to appear on a different page/pages, a revision bar will be placed in the margin opposite the page number of all affected pages. These pages will be updated to the current revision date.

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- C. When extensive technical changes are made to text in an existing section that requires complete retype of copy, revision bars will appear full length of the text.
- D. Revisions to parts listing pages are identified by an "R" in the right margin of the text pages.

7. Manual Usage

A. Purpose.

- (1) This Wiring Diagram Manual has been prepared by Cessna Aircraft Company to assist customer personnel in locating, tracing and repairing of aircraft wiring and components. The wiring diagram manual may also be used to assist in ordering replaceable wiring components and in identifying new and reclaimed parts. It is not approved for any other purpose.

B. Effectivity.

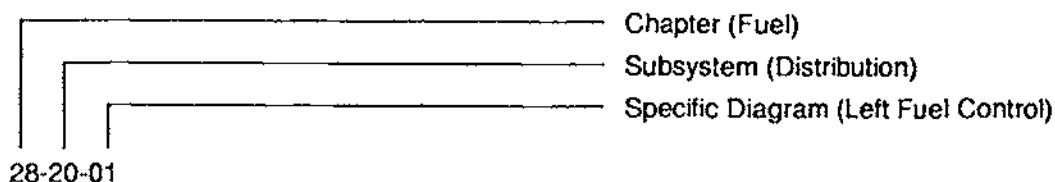
- (1) Due to limited space on the parts list, effectivity listed in a parts column does not include the nine digits of a serial number. EXAMPLE: **80001 - 80004** would indicate the part listed is applicable to Model 172R serial numbers 17280001 thru 17280004. **8001 - 8004** would indicate the part listed is applicable to Model 172S serial numbers 172S08001 thru 172S08004. Effectivity listed under the title will include the complete effectivity.
- (2) Airplane effectivity is indicated in the parts list by a ten-character alphanumeric code. The first five characters indicate the first applicability and the last five characters indicate the last applicability on an unbroken sequence of assigned airplanes. When an item is applicable to all airplanes, the column shall be left blank.
- (3) Avionic configurations are standard avionics package, NAV I, NAV II, OR NAV III options. Sections of this wiring diagram manual that are unique to a specific avionics configuration are listed as STANDARD, NAV I, NAV II, and NAV III avionics.

C. Identification Procedures.

(1) Wiring Diagram Manual Numbering.

- (a) Numbering of chapters, sections and subjects within the Wiring Diagram Manual is in accordance with ATA Specification 100. This same numbering system is utilized in the Illustrated Parts Catalog and Maintenance Manual to allow for easy cross-referencing between the three books. Refer to Figure 1 for an example of the numbering system.

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Wiring Diagram Numbering
Figure 1

(2) Wiring Diagram Page Numbering.

- (a) Page numbers 0 thru 100 are used to number wiring diagrams. Sheet numbers are used for diagrams that require more than one page for illustration.

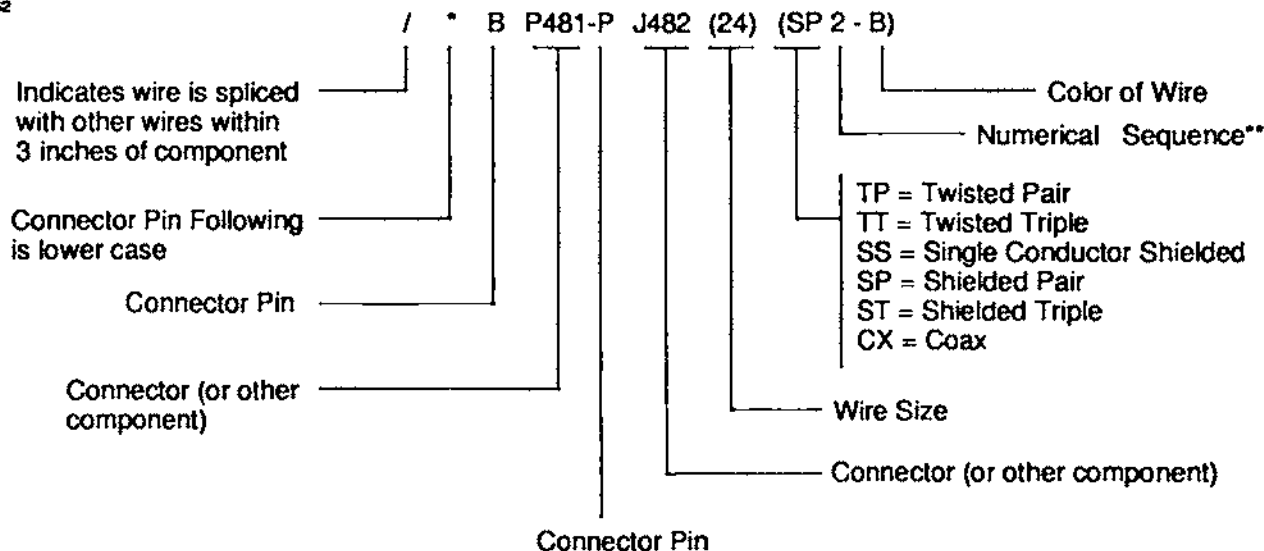
NOTE: Whenever a diagram is referenced to another, only the diagram number is used. Therefore, where there is more than one page of the same diagram, it is necessary to refer to the effectivity block to make certain the diagram applies to the airplane of interest.

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D. Wire Identification and Numbering.

- (1) In each electrical and electronic wiring circuit, the wires are identified by a number-letter code called a wire number. The wire number is either printed, stenciled or labeled on each wire segment. A wire segment is a run of wire between two points in a circuit. The wire number explains where the wire is used and gives the wire gage. Refer to Figure 2 for an example of the wire identification and numbering system.

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** A numerical sequence for each type of wire (SP1, SP2, SP3, ST1, ST2, ST3) on a wire diagram page may be used to identify wires within a shield or twisted group when they are not drawn adjacent and enclosed by a twisted or shielded symbol. Example: SP2-B and SP2-W are the two wires within a shield.

Wiring Diagram Numbering
 Figure 2

- (2) Thermocouple leads are banded for identification and are color coded as shown in Table 1.

Table 1. Thermocouple Color Codes

Color Coding	Wire Material
Red	Alumel
Yellow	Chromel

E. Parts List.

- (1) Electrical and electronic equipment used in the wiring diagrams are identified by an alphanumeric reference designator. This reference designator is used as a cross-reference to the parts list where the part number and part description are shown. The five digit Federal Supply Code may be found in the Suppliers Address List to find the suppliers name and address.
- (2) Most reference designators consists of two (2) alphabetical characters followed by three (3) numeric characters.
- (a) The first alphabetical character denotes component type.

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Table 2. First Alphabetical Characters

A =	Splice
B =	Controller
C =	Capacitor
D =	Diode
E =	Instrument
F =	Light
G =	Ground
H =	Circuit Breaker, Fuse, Bus Bar
J =	Connector (Jack, Receptacle)
K =	Relay
L =	Inductor
M =	Servo Motor
N =	Logic Module Assembly
P =	Connector (Plug)
Q =	Transistor
R =	Resistor
S =	Switch
T =	Thermal Element
U =	Unit, Module
V =	Solenoid Valve
W =	Solenoid
X =	Junction Block
Z =	Cessna Assembly

(b) The second alphabetical character denotes general location in the airplane.

Table 3. Second Alphabetical Characters

A =	Aft bulkhead
B =	Firewall
C =	Left fuselage
F =	Right fuselage
G =	Landing gear
H =	Horizontal stabilizer
I =	Instrument panel
L =	Left wing
M =	Left wing feed thru
N =	Nose
R =	Right wing
S =	Right wing feed thru

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Table 3. Second Alphabetical Characters (continued)

T= Tailcone
V= Vertical stabilizer
Z= Inside a Cessna Assembly

(c) The three (3) numeric characters are sequentially assigned and do not denote location or order of occurrence.

F. List of Chapters.

(Paper version of this manual only.)

(1) The List of Chapters includes all chapters used in this manual.

G. Alphabetical Indexes.

(Paper version of this manual only.)

(1) The Alphabetical Index lists all subjects in this manual.

(2) The Component Index is an alphabetical list of components in this manual.

H. Reference Designator Index

(Paper version of this manual only.)

(1) The Reference Designator Index is a complete listing of all reference designators included in the parts list. All reference designators are cross-referenced to the part number and applicable chapter, section, subject and figure where the reference designator is used.

I. Part Number Indexes.

(Paper version of this manual only.)

(1) The Part Number Index is a complete listing of all parts included in the parts list. All part numbers are cross-referenced to the reference designator and applicable chapter, section, subject and figure where the part number is used.

J. Chapter 20 Includes.

(1) Safety precautions.

(2) General maintenance information for wire repairs, grounding of wires, soldering, heat shrink tubing, resistors, torque values, connectors, and relay sockets.

(3) Information on connectors for removal and installation of contacts, contact pin and socket part numbers, tools to crimp the contacts, sealing of potted type connectors and connector contact arrangements.

K. Chapter 91 Includes.

(1) Reference information for connectors, ground locations and component locations.

(a) Connector charts are provided for those connectors that contain wires for several different systems. All contact pins are shown for the complete connector. The wire number for each wire to a pin is shown with reference to the system where the complete circuit will be found.

(b) Ground locations are provided for all grounds.

(c) Component location charts are provided listing each reference designator and its location in the airplane.

L. How To Use This Manual.

(1) All operable electrical components, such as relays, etc., are shown with the airplane on the ground, all circuits off or de-energized and no electrical power on the circuits. Switches are shown in the off or normal position unless otherwise noted.

(2) The parts list may consist of two or more text lines. Make certain that all lines are observed, as the part number and part description are not always complete on the first line.

(3) Some wire diagrams have too many parts to list on one page of text. In this case, identical wire diagrams are used with a different parts list for each diagram.

(4) Letters or numbers are used to identify the contacts of a connector to which each wire is connected.

(a) The letter or number shown on the wiring diagram is also marked on the connector.

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- (b) A letter that is underlined or preceded by an asterisk indicates a lower case letter. On wire diagrams, the letter may be printed in either lower case or capital letters, but both indicate lower case on the connector.

8. Suppliers Addresses and Publications

- A. Refer to the Supplier's Address List for suppliers names and addresses.
- B. Refer to the Supplier's Publication List for suppliers names and publications.

9. Service Bulletins

- A. A record of service bulletins are listed in the Service Bulletin List.
- B. The list of service bulletins summarizes the following information:
 - (1) Service Bulletin Number - Identifies the service bulletin that corresponds to a modification kit. Service bulletins are numbered consecutively starting with number one.
 - (2) Service Bulletin Date - The printing date of the service bulletin.
 - (3) Manual Incorporation Date - Indicates when the service bulletin was incorporated into the manual.
 - (a) No Effect - This indicates the service bulletin does not affect the manual.
 - (b) Other self-explanatory statements may appear (i.e., replaces, replaced, superseded, etc.).
 - (4) Title - Identifies the service bulletin by nomenclature. It is the same title displayed on page one of the service bulletin.

10. Engineering Approved Abbreviations

- A. A record of engineering approved abbreviations used in this manual are listed in the Engineering Approved Abbreviations List.

11. Symbols

- A. Refer to Figure 3 for examples of symbols used in this wiring diagram manual.

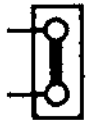
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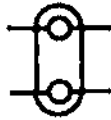
BATTERY



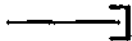
BUS



BUS BAR



CAP AND STOW



CAPACITOR



POLARIZED



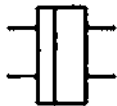
CIRCUIT BREAKER



SWITCH BREAKER



CONNECTOR



DIODE



ZENER



TRANSORB



VARISTOR



Regular - Low resistance forward, high resistance reverse.

Electrical Symbols
 Figure 3 (Sheet 1)

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FUSE/LIMITER



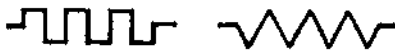
GROUND



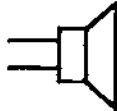
GROUND BLOCK



HEATER



HORN/SPEAKER



INTEGRATED CIRCUIT

Integrated circuits do not necessarily work on the principle of ON-OFF as a switch, instead some work on high and low voltage. Example: high might be 5.0 volts and low might be 0.5 volts.

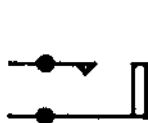
LAMP



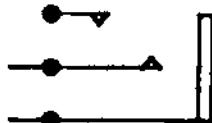
MOTOR



PHONE JACK



MICROPHONE JACK

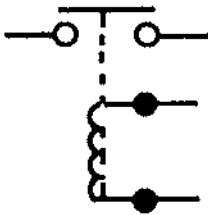


Electrical Symbols
 Figure 3 (Sheet 2)

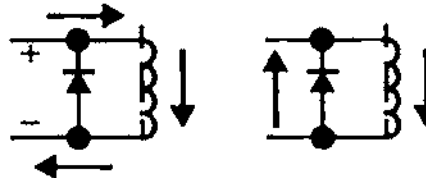
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RELAY

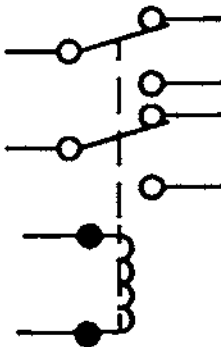


The symbol for the solenoid may be a box or a coil, the operation is identical



CURRENT FLOW
WITH POWER APPLIED

CURRENT FLOW THE
INSTANT POWER IS REMOVED



A diode is connected across the input wires of relays and solenoid operated devices, such as valves, to protect voltage sensitive navigation and electronic equipment. The diode is reverse-biased for normal power and no current flows through the diode. Current flowing through the coil of wire produces a magnetic field to operate the relay or valve. The instant power is removed from the coil, the collapsing magnetic field produces a momentary spike of high voltage which can be several hundred volts depending on the current and the number of turns of wire in the coil. The diode is forward-biased for the power generated in the coil and the high voltage spike is dissipated through the diode. A varistor, zener or transorb are used in place of the diode on some relays.

RESISTOR



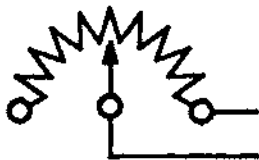
REGULAR - resistance does not change.



TEMPERATURE CONTROLLED - resistance changes with the temperature.



VARIABLE OR ADJUSTABLE - resistance changes with mechanical input.

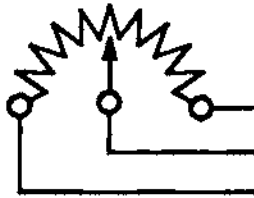


RHEOSTAT - Type of variable resistor with two wires.

Electrical Symbols
 Figure 3 (Sheet 3)

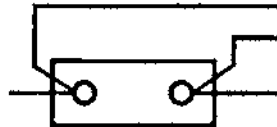
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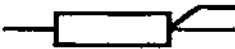


POTENTIOMETER - Type of variable resistor with three wires.

SHUNT



SPLICE

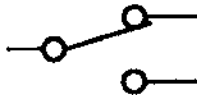


ENVIRONMENTAL

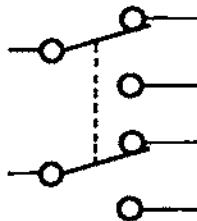
SWITCH



SINGLE POLE/SINGLE THROW (SPST)



SINGLE POLE/DOUBLE THROW (SPDT)
 may have OFF position in the center.



DOUBLE POLE/DOUBLE THROW (DPDT)
 may have OFF position in the center.
 Dashed line indicates all parts move simultaneously.

CONNECTIONS



SOLDERED



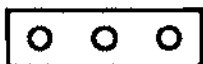
CRIMP OR SCREW

Electrical Symbols
 Figure 3 (Sheet 4)

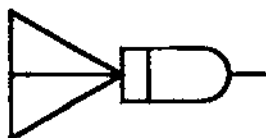
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TERMINAL STRIP



ANTENNA



WIRE



TWISTED



SHIELDED



FLAG NOTE



Vendor supplied wire leads and/ or equipment.



Vendor supplied wire leads and/ or equipment.

Electrical Symbols
 Figure 3 (Sheet 5)

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ZONE NUMBERING SYSTEM

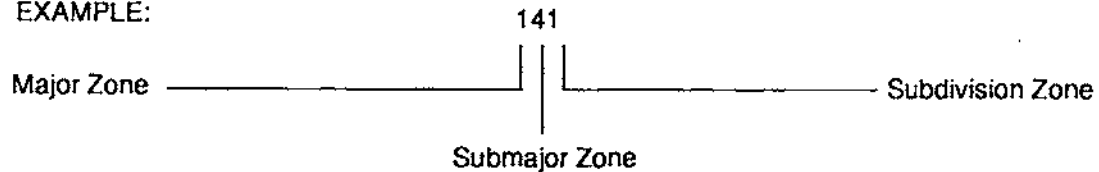
1. Zoning Diagrams - Description

A. General

- (1) Numbered zones provide a method for locating components. The zones are identified by a three-digit number. Each digit designates a zone category: major, submajor or subdivision. Refer to Figure 1.

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EXAMPLE:

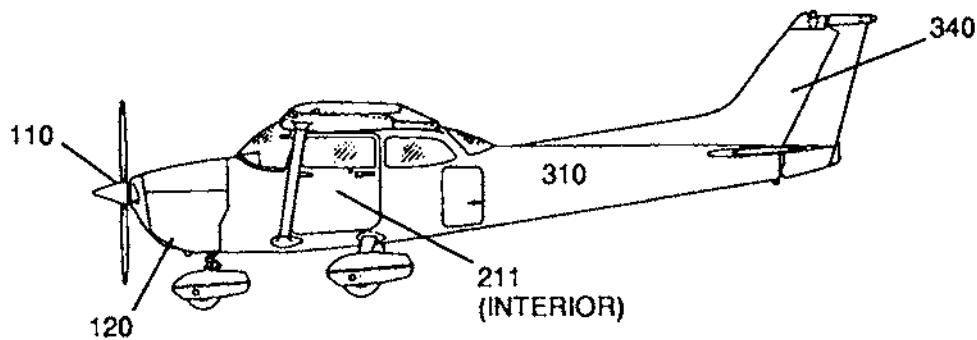
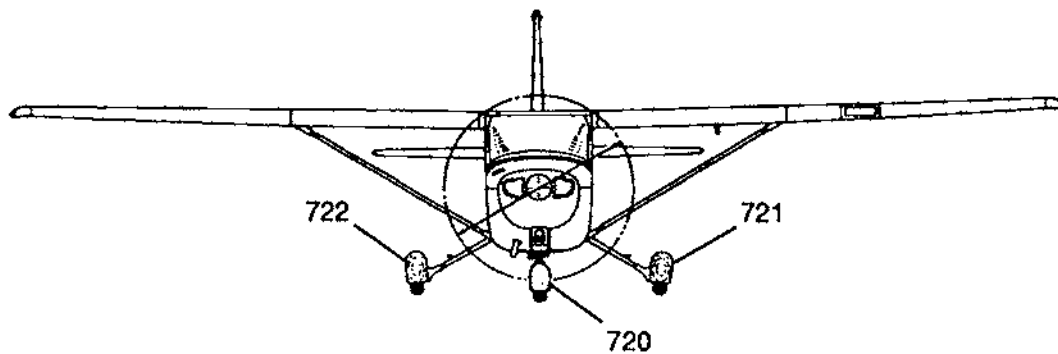
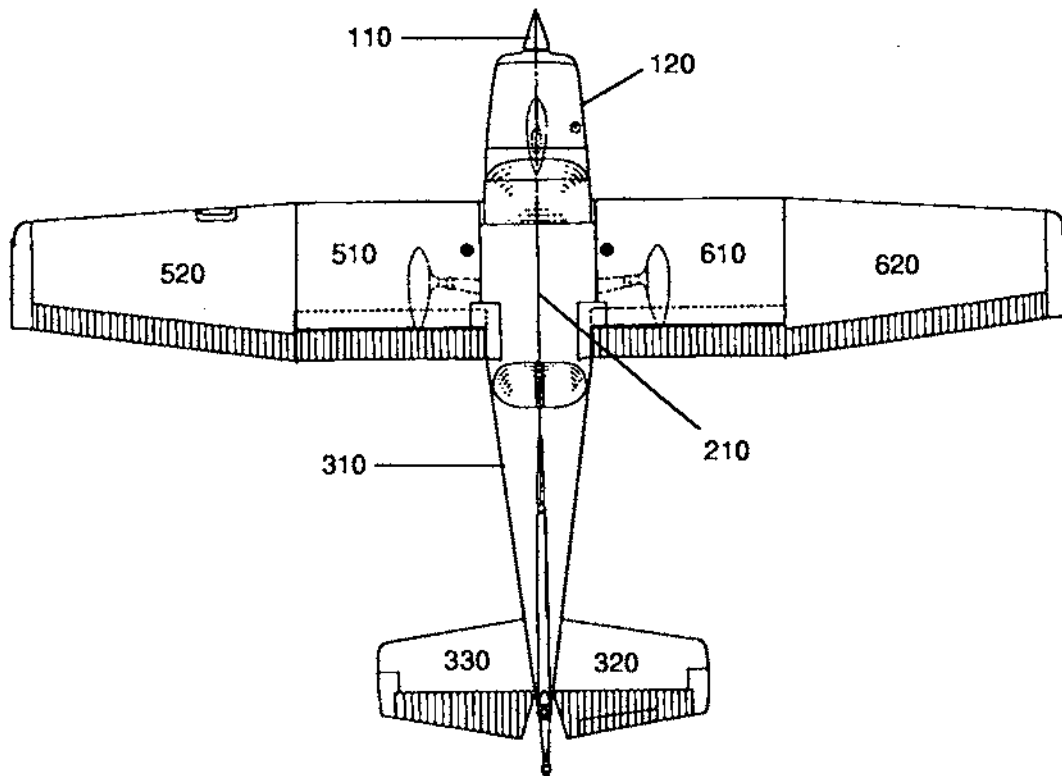


Zone Numbering Example
Figure 1

- (2) Major Zones
100 - Forward side of firewall and forward.
200 - Aft side of firewall to forward side of aft bulkhead.
300 - Aft side of aft bulkhead to end of airplane
500 - Left wing
600 - Right wing
700 - Landing gear.
- (3) Submajor Zones. The second digit of the three-digit number designates a further delineation of a particular area of the major zone.
- (4) Subdivision Zones. The third digit of the three-digit number designates a further breakdown of a submajor zone, i.e., upper or lower or left or right, in order to designate a reasonably small area to facilitate location of components.
- B. How to Find a Component Using the Zones**
- (1) Identify the component reference designator on the wiring diagram of the particular figure.
- (2) Refer to the text portion of the figure and locate the reference designator. Read across to the nomenclature. The zone for that particular component is located in the nomenclature portion of the figure.
- (3) After locating the zone, refer to Figure 2 to locate the component in the airplane.

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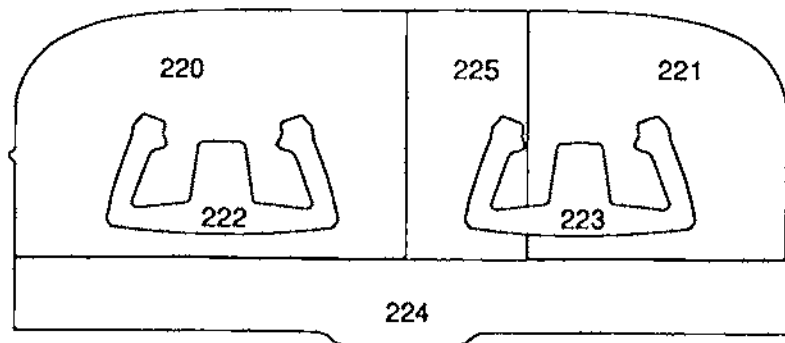


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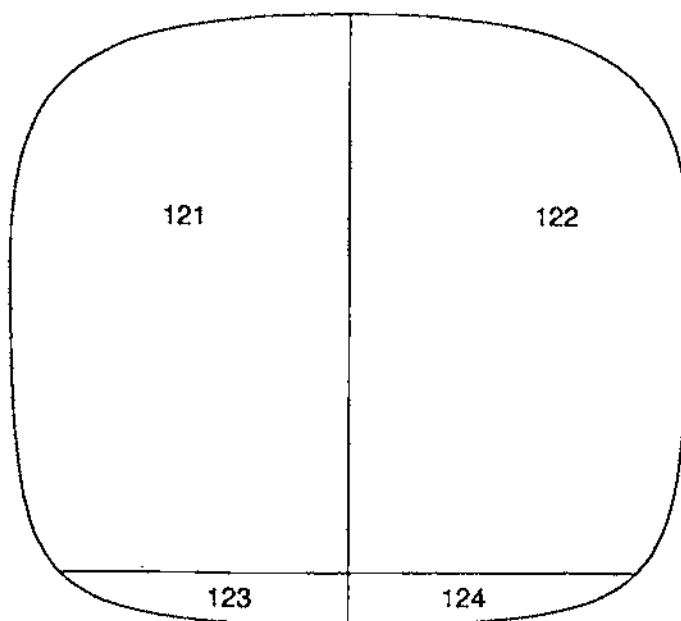
Zone Numbering
 Figure 2 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

82171



INSTRUMENT PANEL



FIREWALL LOOKING FORWARD

0513C1003
0710T1004

Zone Numbering
Figure 3 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

LIGHT BULB REPLACEMENT GUIDE

1. Light Bulb Replacement Guide

- A. The following table may be used for light bulb replacement. The reference designator identifies the light on it's associated wire diagram. For lights that have no reference designator, the column is left blank.

LIGHT	REFERENCE DESIGNA- TOR	AIRPLANE ZONE	BULB QUANTITY	BULB PART NUMBER
EXTERIOR				
Courtesy Light, Left	FL004	510	01	MS15584-16
Courtesy Light, Right	FR002	610	01	MS15584-16
Flashing Beacon Light	FV002	340	01	02-0350433-01
Landing Lamp (HID)	FL008	520	01	81010-1
Landing Lamp (HID)	FL008	520	01	81008-1
Landing Light	FL002	520	01	4594
Landing Light	FL002	520	01	4596
Nav Light, Right (Green)	FR004	620	01	01-0770082-13
Navigation Light	FL003	520	01	MS25309-7512
Navigation Light	FR001	620	01	MS25309-7512
Navigation Light (Alternate)	FL003	520	01	34-0428020-65
Navigation Light (Alternate)	FL003	520	01	A-7512-24
Navigation Light (White)	FV001	340	01	MS35478-1683
Strobe Light	FL005	520	01	C622006-0101
Strobe Light	FR003	620	01	C622006-0101
Taxi Lamp (HID)	FL009	520	01	81009-1
Taxi Lamp (HID)	FL009	520	01	81011-1
Taxi Light	FL001	520	01	4587
Taxi Light	FL001	520	01	4626
Wing Nav Light (Red)	FL006	520	01	01-0770082-12
INSTRUMENT PANEL				
Compass Light	FC001	220	01	MS25237-327
Standby Battery Test Light (Green)	FI011	220	01	S2800-679
INTERIOR				
Control Wheel Map Light	L1	222	01	S2521-1
Copilot Flood Light (LED)	FF004	211	01	RL6870-1

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LIGHT	REFERENCE DESIGNA- TOR	AIRPLANE ZONE	BULB QUANTITY	BULB PART NUMBER
Dome Light	FC003	211	01	1864
Dome Light	FC002	211	01	1864
Pedestal Light	FI003	211	01	MS25231-1829
Pilot Dome Light (LED)	FC006	211	01	RL6870-1
Pilot Flood Light (LED)	FC012	211	01	RL6870-1
Rear Dome Light	FC005	211	01	4596-1
Rear Dome Light (LED)	FC007	211	01	RL6870-1

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FUSE REPLACEMENT GUIDE

1. Fuse Replacement Guide

- A. The following table may be used for fuse and fuse limiter replacement. The reference designator identifies the fuse on its associated wire diagram.

NAME	CIRCUIT	LOCATION	AIRPLANE ZONE	PART NUMBER
F1	Alternator System	Power Junction Box	121	ATC-30
F2	Alternator System	Power Junction Box	121	ATC-30
F4	Clock	Power Junction Box	121	AGC5

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SERVICE BULLETIN LIST

1. General

- A. The Service Bulletin List provides the service bulletin number, title and date. If a service bulletin has been revised, the revision number is listed. If a service bulletin has been included in this manual, the manual revision date is given.

Service Bulletin	Revision	Service Bulletin Title	Service Bulletin Date	Included In Manual
SB98-11-01		Voltage Polarity Placard Installation	3/23/1998	No Effect
SB99-11-01		Pilot's Operating Handbook Revision	9/27/1999	No Effect
SB01-11-01		Pilot's Operating Handbook Revision	2/5/2001	No Effect
SB00-11-01		German Pilot's Operating Handbook Revision	3/13/2000	No Effect
SB97-11-01		Pilot's Operating Handbook and Checklist Revisions	5/12/1997	No Effect
SB05-11-02		Pilot's Operating Handbook Revisions	Jul 29/2005	No Effect
SB04-11-02		Pilot's Operating Handbook Revision	Aug 30/2004	No Effect
SB98-11-02		Pilot's Operating Handbook and Checklist Revisions	3/30/1998	No Effect
SB03-11-02		Pilot's Operating Handbook and Checklist Revisions	4/14/2003	No Effect
SB01-11-02		Pilot's Operating Handbook and Checklist Revisions	3/5/2001	No Effect
SB05-11-03		Pilot's Operating Handbook Temporary Revision 2	Aug 29/2005	No Effect
SB00-11-03		Pilot's Operating Handbook and Checklist Revisions	5/22/2000	No Effect
SB97-11-04		Aft Baggage Placard Inspection/Replacement	11/3/1997	No Effect
SB00-11-04		Pilot's Operating Handbook and Checklist Revisions	8/14/2000	No Effect
SB03-11-04		Pilot's Operating Handbook and Pilot's Checklist Revisions	Oct 27/2003	No Effect
SB98-11-05		German Pilot's Operating Handbook and Checklist Revisions	9/21/1998	No Effect
SB97-11-05		Altitude Certification Logbook Entry Verification	12/15/1997	No Effect
SB98-11-06		Brazilian Pilot's Operating Handbook Revision	10/12/1998	No Effect
SB98-20-01	1	Firewall Sealant Replacement	12/31/1998	No Effect
SB99-21-01		Fresh Air Vent Replacement	3/15/1999	No Effect
SB00-22-01		KAP-140 Autopilot Servo Inspection/Modification	2/14/2000	No Effect
SB97-22-01		Bendix/King Autopilot Flight Computer Modification	10/6/1997	No Effect
SB05-22-01		Trim Servo Cable Chain Inspection	Dec 5/2005	No Effect

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Service Bulletin	Revision	Service Bulletin Title	Service Bulletin Date	Included In Manual
SB02-22-01		Honeywell KAP-140 Autopilot System Modification	11/25/2002	No Effect
SB03-23-01		Honeywell KMA 26 Audio Panel Modification	Jul 28/2003	No Effect
SB05-24-01		MC01-3A Main Electrical Power Junction Box Circuit Breakers Inspection	Jan 31/2005	No Effect
SB98-24-01		Alternator Replacement	3/30/1998	May 5/2003
SB00-24-01		Main Power Junction Box Circuit Breaker Retrofit Kit Installation	3/13/2000	Aug 1, 2000
SB99-24-01		Electrical Power Systems Modification	3/15/1999	May 5/2003
SB03-24-01		Alternator Replacement	Jul 28/2003	No Effect
SB97-24-01		Electrical Wire Bundle Inspection	12/15/1997	No Effect
SB04-24-01		Alternator Control Unit Inspection/Replacement	Mar 1/2004	No Effect
SB99-24-02		Circuit Panel Assembly Cover Installation	12/27/1999	No Effect
SB00-24-02		Electrical Panel Wiring Modification	6/5/2000	Aug 1/2000
SB03-24-02		MC01-3A Main Electrical Power Junction Box Modification	Oct 13/2003	No Effect
SB03-25-01		Armrest Shield Installation	2/3/2003	No Effect
SB99-25-01	1	Emergency Locator Transmitter (ELT) Operational Test	12/27/1999	No Effect
SB97-25-01		Aft Bench Seat Back Modification	8/11/1997	No Effect
SB98-25-01		Pilot and Copilot Seat Back Pivot Fitting Inspection	6/1/1998	No Effect
SB05-25-01		Inflatable Seat Belt Restraint Installation Inspection	Mar 7/2005	No Effect
SB04-25-01	1	Crew Seat Recline Modification	Jun 14/2004	No Effect
SB02-25-01		Pilot and Copilot Shoulder Harness Guide Removal	4/29/2002	No Effect
SB04-25-02	1	Crew Seat Back Cylinder Lock Inspection and Crank Arm Modification	Oct 17/2005	No Effect
SB98-25-02		Pilot and Copilot Seat Roller Inspection	9/14/1998	No Effect
SB05-25-02		Inflatable Seat Restraints Installation	Apr 25/2005	No Effect
SB04-25-03		Passenger Bench Seat Bolt Installation	Jul 19/2004	No Effect
SB04-25-04		Crew Seat Back Cylinder Lock Control Inspection/Adjustment	Oct 11/2004	No Effect
SB97-26-01		Fire Extinguisher Mounting Bracket Inspection	12/22/1997	No Effect
SB01-27-01	1	Elevator Trim Tab Control Cable Stop Block Inspection	2/19/2001	No Effect
SB97-27-01	1	Inspection of Elevator and Elevator Trim Control Cable Pulleys	12/14/1998	No Effect

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Service Bulletin	Revision	Service Bulletin Title	Service Bulletin Date	Included In Manual
SB99-27-01		Control Yoke Pivot Bolt Inspection/Replacement	7/12/1999	No Effect
SB98-27-01		Flap Follow Up System Cable Clamp Inspection	3/30/1998	No Effect
SB03-27-01		Flap Actuator Motor Inspection	Sep 29/2003	No Effect
SB01-27-02		Control Yoke Assembly Inspection	5/28/2001	No Effect
SB04-27-02	1	Elevator Trim Tab Control Cable Inspection	Oct 11/2004	No Effect
SB98-27-02	1	Aileron Control Cable Routing Inspection	12/31/1998	No Effect
SB03-27-02		Flap Control Bracket Attach Bolts Replacement	Dec 22/2003	No Effect
SB98-27-03		Aileron Primary Control Cable-to-Drum Lock Clamp Inspection	6/1/1998	No Effect
SB98-27-05	2	Right Wing Aileron Control Cable Routing Inspection	12/31/1998	No Effect
SB98-27-06		Flight Control Cables and Travel Inspection	6/15/1998	No Effect
SB98-27-07		Control Yoke Attach Bushing Installation	9/21/1998	No Effect
SB03-28-01	0	Fuel Cap Lanyard Removal	Oct 27/2003	No Effect
SB04-28-01	1	Fuel Hose Inspection	Apr 5/2004	No Effect
SB98-28-01		Engine Fuel Pressure Transducer Inspection and Replacement	3/2/1998	No Effect
SB97-28-01		Inspection of Fuel Strainer Drain and Engine Muffler Tailpipe	6/6/1997	No Effect
SB99-28-01		Wing Fuel Tank Vent Check Valve Inspection	4/26/1999	No Effect
SB05-28-01		Fuel Strainer Gasket Inspection	Jan 17/2005	No Effect
SB98-28-02	1	Wing to Fuselage Hose Clamp Inspection	2/1/1999	No Effect
SB01-28-02		Fuel Selector Shaft Assembly Inspection/Replacement	5/28/2001	No Effect
SB01-28-03		Fuel Shut-Off Valve Control Cable Inspection	7/23/2001	No Effect
SB04-28-03		Engine Fuel Return System Installation	Aug 30/2004	No Effect
SB98-28-03		Fuel Shut-Off Valve Cable Clamp Inspection	5/4/1998	No Effect
SB03-32-01		Nose Landing Gear Wheel Fairing Modification	Sep 29/2003	No Effect
SB04-32-01	0	Landing Gear Shock Strut Metering Pin Replacement Nose	Feb 2/2004	No Effect
SB05-33-01		High Intensity Discharge (HID) Landing and Taxi Light Installation	May 9/2005	No Effect
SB97-33-01	1	Light Dimming Module Resistor Installation Inspection	12/14/1998	No Effect
SB98-34-01	1	KLN-89B GPS Navigation System IFR Non-Precision Approach Limitations	8/3/1998	No Effect
SB03-34-01	0	Honeywell KS 270C, KS 271C AND KS272C Servo Friction Inspection	Oct 27/2003	No Effect

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Service Bulletin	Revision	Service Bulletin Title	Service Bulletin Date	Included In Manual
SB97-34-01		KLN-89B GPS Navigation System Approach Restrictions	7/02/1997	No Effect
SB99-34-01	1	KLN-89B GPS Navigation System Modification	4/24/2000	No Effect
SB00-34-01		Pitot Tube Heater Assembly Insulation Installation	4/10/2000	No Effect
SB03-34-02	1	Altimeter Inspection	Feb 16/2004	No Effect
SB97-34-02	1	Alternate Static Source Valve Inspection	12/22/1997	No Effect
SB05-34-08		Garmin G1000 System Software Upgrade	Sep 26/2005	No Effect
SB05-34-09		Garmin G1000 GDL-69A Weather and Digital Audio Entertainment Interface Installation	Sep 26/2005	No Effect
SB05-34-11		Garmin GI-63 Integrated Avionics Unit Outside Cover Replacement	Nov 21/2005	No Effect
SB05-34-12		Garmin 1000 Display Unit (GDU) 1040 Glass Cover Delamination	Dec 5/2005	No Effect
SB05-37-01		Vacuum Pump Inspection/Replacement	Nov 7/2005	No Effect
SB00-37-01		Vacuum System Air Filter Element Inspection/Replacement	8/14/2000	No Effect
SB98-37-01	1	Airborne Vacuum Pump Inspection	3/8/1999	No Effect
SB99-37-01		Vacuum Hose Modification	12/27/1999	No Effect
SB03-37-01	0	Vacuum Manifold Inspection/Replacement	Nov 11/2003	No Effect
SB02-37-02		Dry Vacuum Pump and Coupling Replacement Requirements	2/18/2002	No Effect
SB02-37-03		Vacuum System Reducer Fitting Replacement	2/18/2002	No Effect
SB02-37-04		Airborne Air and Fuel Products Check Valve Manifold Inspection	10/28/2002	No Effect
SB98-52-01		Baggage Door Seal Replacement	2/23/1998	No Effect
SB02-52-01		Cabin Door Handle Replacement	1/21/2002	No Effect
SB04-52-01		Security Lock Installation	Jun 28/2004	No Effect
SB01-53-01		Battery Box Support Inspection/Modification	2/5/2001	No Effect
SB97-53-01		Inspection of Fuselage Station 205.812 Tailcone Bulkhead	7/1/1997	No Effect
SB98-53-01	1	Firewall Rivet Inspection	12/14/1998	No Effect
SB97-53-02	1	Lower Forward Doorpost Fastener Installation	11/30/1998	No Effect
SB02-53-02		Firewall Sealant Installation	12/16/2002	No Effect
SB98-53-02	2	Firewall Inspection and Cowl Mount Alignment	12/26/2000	No Effect
SB99-53-03		Elevator Control Yoke Roller Engagement Inspection/Modification	12/06/1999	No Effect

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Service Bulletin	Revision	Service Bulletin Title	Service Bulletin Date	Included In Manual
SB01-55-01		Elevator Balance Weight Attach Screw Inspection Modification	4/2/2001	No Effect
SB00-55-01		Rudder Attach Bolt Torque Inspection	4/10/2000	No Effect
SB98-55-01		Elevator Stop Bolt Bracket Nutplate and Horizontal Stabilizer Installation Inspection	7/6/1998	No Effect
SB04-55-01	1	Horizontal Stabilizer Attach Bolt Holes Inspection	Jun 20/2004	No Effect
SB99-55-01		Vertical Fin Aft Spar Inspection	3/29/1999	No Effect
SB98-55-02		Horizontal Stabilizer Inboard Skin Rivet Inspection	7/27/1998	No Effect
SB00-57-01		Flap Track and Wing Inboard Trailing Edge Inspection	7/31/2000	No Effect
SB98-57-01		Wing Strut Attach Bolts Nut Torque Inspection	6/1/1998	No Effect
SB05-57-01		Wing Trailing Edge Rib Inspection	Oct 10/2005	No Effect
SB02-61-01		Propeller Spinner and Bulkhead Inspection	1/21/2002	No Effect
SB02-61-02		Propeller Blade Inspection	12/16/2002	No Effect
SB00-61-02		Propeller Governor Control Cable Routing Modification	8/14/2000	No Effect
SB01-71-01		Engine Fuel Flow Divider Installation Modification	1/22/2001	No Effect
SB98-71-01		Forward Engine Baffle and Heat Shroud Modification	7/27/1998	No Effect
SB97-71-01	1	Alternate Air Door Hinge Assembly Replacement	7/27/1998	No Effect
SB03-71-01	0	Engine Fuel Supply System Modification	May 26/2003	No Effect
SB99-71-01	2	Engine Piston Pin Plug Wear Inspection	7/12/1999	No Effect
SB04-71-02		Engine Starter Inspection/Replacement	Nov 8/2004	No Effect
SB97-71-02		Engine Induction Drain Line Inspection	12/22/1997	No Effect
SB99-71-02		Engine Oil Filler Tube to Engine Mount Clearance	7/12/1999	No Effect
SB01-71-02		Engine Crankshaft Inspection	4/2/2001	No Effect
SB03-71-02	0	Fuel Injection Servo Inspection	May 26/2003	No Effect
SB98-71-02		Engine Air Filter Replacement	7/27/1998	No Effect
SB99-71-05		Engine Valve Seat Inspection	10/25/1999	No Effect
SB05-73-01		Engine Driven Fuel Pump Inspection	Mar 7/2005	No Effect
SB99-73-01	1	Engine Fuel Manifold Spring Replacement	9/30/2002	No Effect
SB00-73-01	2	Engine Fuel Injection Lines and Support Clamps Inspection	12/24/2001	No Effect
SB03-73-01	0	Throttle Arm Retention Inspection	Nov 4/2003	No Effect
SB01-73-01		Engine Driven Fuel Pump Inspection	5/28/2001	No Effect

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Service Bulletin	Revision	Service Bulletin Title	Service Bulletin Date	Included In Manual
SB04-73-01		Engine Fuel Injection Lines and Support Clamps Inspection	Aug 30/2004	No Effect
SB99-73-02		Engine Fuel Injector Unit Inspection	2/1/1999	No Effect
SB04-73-02		Engine Fuel Manifold Spring Replacement	Oct 11/2004	No Effect
SB01-74-01		Ignition Switch Center Ground Terminal Inspection	6/25/2001	No Effect
SB98-78-01		Engine Exhaust Muffler Inspection and Replacement	1/10/1998	No Effect
SB97-78-01		Engine Exhaust Riser Retention Nut Torque	2/2/1998	No Effect
SB00-79-01	1	Engine Low Oil Pressure Switch Replacement	1/31/2000	May 5/2003

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ENGINEERING APPROVED ABBREVIATIONS

Abbreviations

ADF
ASSY
AVN
BKR
CKT
CONT
COMM
DISC
DISTR
ELEC
GPS
HSI
LH
LT
MIC
NAV
OAT
REF
RF
RH
VAR

Expression

Automatic Direction Finder
Assembly
Avionics
Breaker
Circuit
Control
Communication
Disconnect
Distribution
Electrical
Global Positioning System
Horizontal Situation Indicator
Left Hand
Light
Microphone
Navigation
Outside Air Temperature
Reference (Used on Drawings)
Reference (Used on Parts Lists)
Right Hand
Variable

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SUPPLIER ADDRESS LIST

00779 TYCO ELECTRONICS CORP. 2800 Fulling Mill M/X 38-77 Middletown, PA 17057	13511 AMPHENOL CADRE DIV. BUNKER RAMO CORP. Los Gatos, CA
023K3 AEROQUIP CORP. AEROSPACE DIV. JACKSON PLANT 300 S. East Ave. Jackson, MI	18006 Electric Gyro Corp. P.O. Box 280 Spanish Fork, UT 84660
06090 RAYCHEM CORP. 300 Constitution Dr. Menlo Park, CA 94025-1111	1F242 PETSCHKE A.E. CO., INC. 2112 W. Division Arlington, TX 76012
09353 C AND K COMPONENTS INC. 15 Riverdale Ave. Newton, MA 02158-1082	22373 ALLIED-SIGNAL INC. ELECTRONIC & AVIONIC SYSTEMS 23500 W. 105th St. 1 Technology Center Olathe, KS 66061
09445 DUKES, INC. 9060 Winnetka Ave. Northridge, CA 91324-3293	22863 KAVILCO CORP. 14501 Los Angeles Ave. Moorpark, CA 93021
0GZF3 HEADS UP TECHNOLOGIES INC. 8001 Lemmon Ave. Suite 276 Dallas, TX 75209	24444 GENERAL SEMICONDUCTOR INDUSTRIES, INC. SUBDIVISION OF SQUARE D CO. 2001 W. 10th Pl. Tempe, AZ
0MBZ4 AVT INC. DBA ELECTRITEK-AVT 400 EAST MINERAL Ave. Littleton, CO 80122-2604	26433 PARKER-HANNIFIN CORP. AIRBORNE DIV. 711 Taylor St. P.O. Box 4032 Elyria, OH 44036
0MXP2 TEMPREL INC. 206 Air Industrial Dr. P.O. Box 308 Boyne City, MI 49712	27264 MOLEX, INC. 2222 Wellington Ct. Lisle, IL 60532-1613
0TRC3 GARMIN INTERNATIONAL, INC. 1200 East 121st St. Olathe, KS 66062	28198 POSITRONIC INDUSTRIES, INC. 423 N Campbell St. P.O. Box 8247 Springfield, MO
10402 WHELEN ENGINEERING CO., INC. Rt. 145 Winthrop Road Chester, CT 06412	29907 OMEGA ENGINEERING, INC. One Omega Dr.. P.O. Box 4047 Stamford, CT 06907
11139 THE DEUTSCH CO. ENGINEERED CONNECTING DEVICES 36033 Wittier Ave. Hemet, CA 92545	

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- | | |
|--|--|
| <p>2B785 ALCOR AVIATION, INC.
12043 Colwick
San Antonio, TX 78216</p> <p>32890 LUMINESCENT SYSTEMS, INC.
4 Lucent Drive
Lebanon, NH 03766-1439</p> <p>33497 PRECISION WINDING, INC.
109 S. Knight
Wichita, KS 67213</p> <p>37942 NORTH AMERICAN CAPACITOR CO.
MALLORY DIV.
Indianapolis Rd. Hwy. 240
P.O. Box 273
Indianapolis, IN 46135</p> <p>49367 PYLE-NATIONAL CO.
DIV OF BRINTEC CORP.
1334 N. Kostner Ave.
Chicago, IL</p> <p>50541 HYPERTRONICS CORP.
16 Brent Dr.
Hudson, MA 01749-2904</p> <p>51351 COMANT INDUSTRIES, INC.
12920 Park St.
Santa Fe Springs, CA 93022</p> <p>57323 TRANS-CAL INDUSTRIES INC.
16141 Cohasset St.
Van Nuys, CA 91406</p> <p>63131 DAVTRON, INC.
427 Hillcrest Way
Redwood City, CA 94062-4012</p> <p>63836 ASTROTECH CORP.
10201 N. 21st St.
Phoenix, AZ 85021-1886</p> <p>65702 PRECISION AIRMOTIVE CORP.
Snohomish County Airport
3200 100th St. SW Suite E
Everett, WA 98204</p> <p>65907 AEROSPACE DISPLAY
SYSTEM, INC.
2321 Topaz Dr.
Hatfield, PA 19440-1936</p> | <p>72914 FL AEROSPACE CORP.
GRIMES DIV.
550 Rt. 55
P.O. Box 247
Urbana, OH 43078-1948</p> <p>74400 HOBBS DIV. STEWART-WARNER
CORP.
Yale Blvd. and Ash St.
Springfield, IL 67203</p> <p>76374 MECHANICAL PRODUCTS, INC.
SUBDIVISION OF SPRECKLES
INDUSTRIES, INC.
1824 River St.
P.O. Box 729
Jackson, MI 49204-1755</p> <p>77820 AMPHENOL CORP.
AMPHENOL AEROSPACE
40-60 Delaware St.
Sidney, NY 13838-1395</p> <p>81343 SOCIETY OF AUTOMOTIVE
ENGINEERS
400 Commonwealth Dr.
Warrendale, PA 15096</p> <p>81640 EATON CORP.
AEROSPACE AND COMMERCIAL
CONTROL DIV
2250 Whitfield Ave. E
Sarasota, FL 34243-9703</p> <p>82389 SWITCHCRAFT, INC.
SUBDIVISION OF RAYTHEON
5555 N. Elstron Ave.
Chicago, IL 60630-1314</p> <p>83564 WEMAC
DIV. OF PURITAN-BENNETT
18475 Pacific St.
Fountain Valley, CA 92708-7004</p> <p>91637 DALE ELECTRONICS, INC.
1122 23rd St.
P.O. Box 609
Columbus, NE 68601-3632</p> |
|--|--|

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OMAS OMNI ASSOCIATES INC.
8610 E 34th St. North
Wichita, KS 67226

S5416 NEW JAPAN RADIO CO., LTD.
MITSUYA TORANOMON BLDG.
22-14
TORANOMON 1 CHOME MINATO-KU
TOKYO JAPAN 105

CESSNA AIRCRAFT COMPANY
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SUPPLIER'S PUBLICATION LIST

1. General

- A. Outlined below is a list of manufacturers publications of which most are available from the Cessna Aircraft Company , Citation Marketing Division.

NOTE: Publications with AF after the part number signify aerofiche.

Chapter 21 - Air Conditioning

Item	Publication Title	Manufacturer
Cabin Air Controller Cessna PN - <u>9912409-1</u> Vendor PN - <u>52770-001</u>	Component Maintenance Manual with Illustrated Parts List Publication PN - <u>S1477</u>	Sequa Corp. Kollsman Div. 220 Daniel Webster Highway Merrimack, NH 03054-4809

Chapter 32 - Landing Gear

Item	Publication Title	Manufacturer
Air Conditioning System	Freon Air Conditioning System Maintenance Data Publication PN - <u>TR-119</u>	Parker Refrigeration and Air Conditioning Div. 15 Depew Ave. Lyons, NY 14489

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LIST OF CHAPTERS

CHAPTER		EFFECTIVE DATE *
20	Standard Practices - Airframe	Jan 20/2006
21	Air Conditioning	Jan 20/2006
22	Auto Flight	Jan 1/2007
23	Communications	Jan 1/2007
24	Electrical Power	Jan 20/2006
25	Equipment/Furnishings	Jan 1/2007
27	Flight Controls	Jan 20/2006
28	Fuel	Jan 20/2006
30	Ice and Rain Protection	Jan 20/2006
31	Indicating Recording Systems	Jan 1/2007
33	Lights	Jan 1/2007
34	Navigation	Jan 1/2007
37	Vacuum	Jan 20/2006
73	Engine Fuel And Control	Jan 20/2006
74	Ignition	Jan 20/2006
77	Engine Indicating	Jan 20/2006
79	Oil	Jan 20/2006
80	Starting	Jan 20/2006
91	Charts	Jan 20/2006

* Represents date of each chapter's List of Effective Pages which is applicable to manual revision date.

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NOMENCLATURE

CH SEC SUBJ FIG

A

AIR DATA AND AHRS	34-10-01-01
AIR DATA AND AHRS	34-10-01-02
ALTERNATOR SYSTEM	24-20-01-01
ALTERNATOR SYSTEM	24-20-01-02
ALTERNATOR SYSTEM	24-20-01-03
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ACTUATOR PITCH SERVO - Located in tailcone on left side.	UT300
ACTUATOR PITCH TRIM - Located in tailcone on left side.	UT300
ACTUATOR PITCH TRIM - Located in tailcone on left side.	UT301
ALTERNATOR 60 AMP - Located in nose on engine.	MN001
ALTIMETER - Located on inboard side of left instrument panel.	EI010
ALTIMETER RIGHT SECOND - Located on inboard side of left instrument panel.	EI023
ANTENNA COMM #1 - Located on top of cabin.	UC1001
ANTENNA COMM #1 - Located on top of vertical tail.	UF1002
ANTENNA COMM #2 - Located on bottom of cabin.	UC1007
ANTENNA GPS - Located on bottom of cabin.	UC1008
ANTENNA KA-44B ADF - Located on bottom of cabin left of center line.	UC600
ANTENNA MARKER BEACON - Below baggage compartment on lower cabin.	UF1000
ANTENNA MARKER BEACON - Below baggage compartment on lower cabin.	UF1001
ANTENNA NAVIGATION - Located on vertical tail.	UV1001
ANTENNA TRANSPONDER - Located on bottom of cabin.	UC1005
ANTENNA TRANSPONDER - Located on bottom of cabin.	UC1006
AUDIO PANEL - Located on center instrument panel.	UI517
AUDIO PANEL KMA-28 - Located on center instrument panel.	UI516
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BALLAST LANDING LIGHT - In leading edge of left wing.	UL005
BALLAST TAXI LIGHT - In leading edge of left wing.	UL006
BATTERY - Located behind baggage compartment in tail.	UN002
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CAPACITOR ALTERNATOR - Located in nose compartment on alternator.	CN001
CAPACITOR DIMMING ASSEMBLY - On ZC001 Dimming Module Assembly on left side of cabin in sidewall.	CZ001
CAPACITOR DIMMING ASSEMBLY - On ZC001 Dimming Module Assembly on left side of cabin in sidewall.	CZ002
CAPACITOR DIMMING ASSEMBLY - On ZC001 Dimming Module Assembly on left side of cabin in sidewall.	CZ003
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CIRCUIT BREAKER ADC/AHRS - Pilots lower left instrument panel.	HI041
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CIRCUIT BREAKER ADF #1 - In avionics circuit breaker panel.	HI903
CIRCUIT BREAKER ALT FIELD - Pilots lower left instrument panel.	HI055
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CIRCUIT BREAKER AUTOPILOT - In avionics circuit breaker panel.	HI916
CIRCUIT BREAKER AVIONICS - In electrical circuit breaker panel.	HI023
CIRCUIT BREAKER AVIONICS - In electrical circuit breaker panel.	HI024
CIRCUIT BREAKER AVIONICS 1 - Pilots lower left instrument panel.	HI058
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CIRCUIT BREAKER AVIONICS FAN - In avionics circuit breaker panel.	HI106
CIRCUIT BREAKER AVIONICS FAN - In avionics circuit breaker panel.	HI906
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CIRCUIT BREAKER CABIN LIGHTS POWER - In electrical circuit breaker panel.	HI015
CIRCUIT BREAKER CABIN LIGHTS POWER - Pilots lower left instrument panel.	HI056
CIRCUIT BREAKER COMM 1 - Pilots lower left instrument panel.	HI039
CIRCUIT BREAKER COMM 2 - Pilots lower left instrument panel.	HI050
CIRCUIT BREAKER FLAPS - In electrical circuit breaker panel.	HI007
CIRCUIT BREAKER FLAPS - Pilots lower left instrument panel.	HI054
CIRCUIT BREAKER FUEL PUMP - In electrical circuit breaker panel.	HI012
CIRCUIT BREAKER FUEL PUMP - Pilots lower left instrument panel.	HI025
CIRCUIT BREAKER GPS - In avionics circuit breaker panel.	HI102
CIRCUIT BREAKER GPS - In avionics circuit breaker panel.	HI902
CIRCUIT BREAKER GYRO - In avionics circuit breaker panel.	HI911
CIRCUIT BREAKER IGNITION - In electrical circuit breaker panel.	HI030
CIRCUIT BREAKER INSTRUMENTS - In electrical circuit breaker panel.	HI009
CIRCUIT BREAKER INTERIOR LIGHTS - In electrical circuit breaker panel.	HI003
CIRCUIT BREAKER LANDING LIGHT - In electrical circuit breaker panel.	HI001
CIRCUIT BREAKER LANDING LIGHT - Pilots lower left instrument panel.	HI027
CIRCUIT BREAKER MFD - Pilots lower left instrument panel.	HI052
CIRCUIT BREAKER NAV 1/ENG - Pilots lower left instrument panel.	HI038
CIRCUIT BREAKER NAV 1/ENG - Pilots lower left instrument panel.	HI040
CIRCUIT BREAKER NAV 2 - Pilots lower left instrument panel.	HI051
CIRCUIT BREAKER NAV LIGHT - Pilots lower left instrument panel.	HI029
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CIRCUIT BREAKER NAV/COMM #1 - In avionics circuit breaker panel.	HI101
CIRCUIT BREAKER NAV/COMM #1 - In avionics circuit breaker panel.	HI900
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CIRCUIT BREAKER NAVIGATION LIGHT - In electrical circuit breaker panel.	HI002
CIRCUIT BREAKER PANEL LIGHTS - Pilots lower left instrument panel.	HI053
CIRCUIT BREAKER PFD - Pilots lower left instrument panel.	HI036
CIRCUIT BREAKER PFD - Pilots lower left instrument panel.	HI042
CIRCUIT BREAKER PITOT HEAT - In electrical circuit breaker panel.	HI006
CIRCUIT BREAKER PITOT HEAT - Pilots lower left instrument panel.	HI032
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CIRCUIT BREAKER POWER JUNCTION BOX - Located in nose compartment in Junction Box on left firewall.	F3
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CIRCUIT BREAKER STROBE LIGHTS - Pilots lower left instrument panel.	HI031
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CIRCUIT BREAKER TAXI LIGHT - Pilots lower left instrument panel.	HI028
CIRCUIT BREAKER TRANSPONDER - In avionics circuit breaker panel.	HI104
CIRCUIT BREAKER TRANSPONDER - In avionics circuit breaker panel.	HI904
CIRCUIT BREAKER TURN COORDINATOR - In electrical circuit breaker panel.	HI008
CIRCUIT BREAKER WARNING - In electrical circuit breaker panel.	HI022
CIRCUIT BREAKER WARNING - Pilots lower left instrument panel.	HI057
CIRCUIT BREAKER WING LEVELER - In avionics circuit breaker panel.	HI105
CIRCUIT BREAKER XPDR - Pilots lower left instrument panel.	HI048
COMPUTER AUTO PILOT - Located in audio panel.	UI303

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CONNECTOR - Connects to UI512 Nav/Comm Unit located in audio panel.	PI512
CONNECTOR - Connects to UR001 Strobe Light Power Supply located in right wing tip.	JR004
CONNECTOR - Disconnect for EI002 Clock connector located behind the left instrument panel.	JI004
CONNECTOR - Disconnect for FL003 Navigation Light located in left wing tip.	JL003
CONNECTOR - Disconnect for FV002/FV003 Flashing Beacon located in vertical tail.	JV004
CONNECTOR - Disconnect for HI105 Wing Leveler Circuit Breaker behind instrument panel on left side.	JZ900
CONNECTOR - Disconnect for right wing located on rib in right wing root.	JR001
CONNECTOR - Disconnect for UI006 Oil Pressure Transducer located in nose on top of engine.	JN004
CONNECTOR - Disconnect for UL001 Strobe Light Power Supply located in left wing tip.	JL005
CONNECTOR - Disconnect for Vertical Tail located at base of rudder.	JV001
CONNECTOR - Ground for Avionics Cooling Fans located behind instrument panel.	PF903
CONNECTOR - Left wing electrical disconnect located at left wing root.	JL002
CONNECTOR - Located in cabin below instrument panel.	PC022
CONNECTOR - Located in Power Junction Box in left side of nose on firewall.	P4
CONNECTOR - Vertical tail disconnect for Flashing Beacon located in base of vertical tail.	JV005
CONNECTOR ADF ANTENNA DISCONNECT - Connects to ADF Antenna located on bottom of fuselage.	PC600
CONNECTOR AIRSPEED INDICATOR - Disconnect for EI008/EI026 Airspeed Indicator located behind the instrument panel.	JI009
CONNECTOR AIRSPEED INDICATOR - Located behind Pilots instrument panel	PI009
CONNECTOR ALTIMETER - Located behind Pilots instrument panel	PI011
CONNECTOR ALTIMETER DISCONNECT - Disconnect for EI010/EI028 Altimeter Indicator located behind the instrument panel.	JI011
CONNECTOR ALTIMETER DISCONNECT - Disconnect for EI023 Altimeter Indicator located behind left instrument panel.	JI024
CONNECTOR AMMETER/VACUUM - Disconnect for EI012 Ammeter/Vacuum Indicator located behind left instrument panel.	JI019
CONNECTOR ANNUNCIATOR DISCONNECT - Connects to UI005 Annunciator Panel located behind the instrument panel.	JI006
CONNECTOR ANNUNCIATOR SWITCH DISCONNECT - Connects to SI003 Annunciator Test/Dim Switch located behind center instrument panel.	PC014
CONNECTOR ANNUNCIATOR TEST/DIM SWITCH - Located behind center instrument panel.	JC015
CONNECTOR ANNUNCIATOR TEST/DIM SWITCH DISCONNECT - Located behind center instrument panel.	JC014
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CONNECTOR AUDIO PANEL - Connects to UI509 Audio Panel located in center instrument panel.	PI509
CONNECTOR AUDIO PANEL DISCONNECT - Connects to UI516 Nav/Comm Unit located in audio panel.	PI516
CONNECTOR AUDIO PANEL DISCONNECT - Connects to UI517 Nav/Comm Unit located in audio panel.	PI517
CONNECTOR AUTOPILOT COMPUTER DISCONNECT - Connects to UI304 Autopilot Computer located behind audio panel.	PI304
CONNECTOR AVIONICS CIRCUIT BREAKER PANEL - Connects to Avionics Circuit Breaker Panel located in lower instrument panel.	PI901

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CONNECTOR AVIONICS CIRCUIT BREAKER PANEL DISCONNECT - Circuit breaker panel disconnect located behind circuit breaker panel on left side.	PC012
CONNECTOR AVIONICS CIRCUIT BREAKER PANEL DISCONNECT - Located in instrument panel.	JC012
CONNECTOR AVIONICS COOLING FAN - Located behind instrument panel.	PC901
CONNECTOR AVIONICS COOLING FAN DISCONNECT - Disconnect for Avionics Cooling Fan located behind left instrument panel.	J1901
CONNECTOR AVIONICS FLAP ACTUATOR DISCONNECT - Connects to JR007 Avionics Flap Actuator disconnect located in right wing.	PR007
CONNECTOR AVIONICS FLAP ACTUATOR DISCONNECT - Disconnect for Avionics Flap Actuator located in right wing near root.	JR007
CONNECTOR AVIONICS/ELECTRICAL DISCONNECT - Avionics/Electrical disconnect behind instrument panel.	JC007
CONNECTOR AVIONICS/ELECTRICAL DISCONNECT - Avionics/Electrical disconnect behind instrument panel.	PC007
CONNECTOR AVN CB PANEL DISC - Pilots lower left instrument panel.	PC023
CONNECTOR BEACON LIGHT DISCONNECT - Connects to JV004 Beacon Light disconnect located in top of vertical tail.	PV004
CONNECTOR C/B SWITCH PANEL DISC - Pilots lower left instrument panel.	PC025
CONNECTOR CABIN EQUIPMENT POWER INTERFACE - Located in cabin below instrument panel.	JC008
CONNECTOR CABIN EQUIPMENT POWER INTERFACE - Located in cabin below instrument panel.	JC022
CONNECTOR CABIN POWER - In pedestal.	JC009
CONNECTOR CABIN POWER INTERFACE PEDESTAL DISCONNECT - In cabin located behind instrument panel.	PC009
CONNECTOR CENTER INSTRUMENT PANEL DISCONNECT - Disconnect for left instrument panel located behind left instrument panel.	J1012
CONNECTOR CENTER INSTRUMENT PANEL DISCONNECT - Disconnect for the center instrument panel located behind the center instrument panel.	J1012
CONNECTOR CENTER INSTRUMENT PANEL DISCONNECT - Disconnect for the center instrument panel located behind the center instrument panel.	J1012A
CONNECTOR CENTER PANEL DISCONNECT - Located behind center instrument panel when 2nd Altimeter option is used.	P1012A
CONNECTOR CENTER PANEL DISCONNECT - Located behind center instrument panel.	P1012
CONNECTOR CIRCUIT BREAKER PANEL - Circuit breaker panel disconnect located behind circuit breaker panel on left side.	JC023
CONNECTOR CIRCUIT BREAKER PANEL - Circuit breaker panel disconnect located behind circuit breaker panel on left side.	PC010
CONNECTOR CIRCUIT BREAKER PANEL - Disconnect for Electrical Circuit Breaker Panel located in cabin behind instrument panel.	PC001
CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT - Disconnect for electrical circuit breaker panel located behind instrument panel.	JC001
CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT - Disconnect for electrical circuit breaker panel located behind instrument panel.	JC010
CONNECTOR CLOCK - Disconnect for EI019 Clock/Oat Indicator located behind left instrument panel.	J1021
CONNECTOR CLOCK DISCONNECT - Located behind left instrument panel on outboard side.	P1004
CONNECTOR COAX, PART OF ECS CABLE 500-96273-00 - Connected to datalink antenna.	PC1009
CONNECTOR COAX, PART OF ECS CABLE 500-96273-00 - connected to datalink computer	PT1028
CONNECTOR COMM #1 ANTENNA - Connects to UC1001 Comm #1 Antenna located under fuselage on bottom skin of airplane.	PC1001
CONNECTOR COMM #1 ANTENNA COAX DISCONNECT - Connects to UF1002 Comm #1 Antenna located under fuselage on bottom skin of airplane.	PF1002
CONNECTOR COMM #2 ANTENNA - Connects to UC1002 Comm #2 Antenna located under fuselage on bottom skin of airplane.	PC1002
CONNECTOR COMM #2 ANTENNA COAX DISCONNECT - Connects to UC1007 Comm #2 Antenna located under fuselage on bottom skin of airplane.	PC1007
CONNECTOR COMM 1 ANTENNA - Connects to GS#1 on Antenna Coupler behind instrument panel.	P11003

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NOMENCLATURE - LOCATION	REFERENCE DESIGNATOR
CONNECTOR COMPASS - Located on support above glareshield.	PC003
CONNECTOR COMPASS LIGHT DISCONNECT - Above glareshield in cockpit.	JC003
CONNECTOR CONFIGURATION MODULE DISCONNECT - Connects to UI305 Configuration Module located behind left instrument panel.	PI305
CONNECTOR COPILOT'S CONTROL WHEEL - Disconnect for Copilot's Control Wheel located behind right instrument panel.	J1504
CONNECTOR COPILOT'S CONTROL WHEEL DISCONNECT - Disconnect for Copilot's Control Wheel located behind right instrument panel.	J1513
CONNECTOR COURTESY LIGHT - Disconnect for FL004 and FR002 Courtesy Lights.	J1
CONNECTOR COURTESY LIGHT GROUND DISCONNECT - Disconnect for Courtesy Lights.	J2
CONNECTOR CURRENT SENSE DISCONNECT - Located in Power Junction Box in left side of nose on firewall.	J4
CONNECTOR DIMMING CONTROL MODULE - Disconnect for Dimming Control Module located behind right instrument panel on outboard side.	JC005
CONNECTOR DIMMING CONTROL MODULE - Disconnect for Dimming Control Module located behind right instrument panel on outboard side.	J1003
CONNECTOR DIMMING CONTROL MODULE DISCONNECT - Disconnect for Dimming Control Module located behind right instrument panel on outboard side.	PC005
CONNECTOR DIMMING MODULE DISCONNECT - Cabin overhead.	J1026
CONNECTOR DIRECTIONAL GYRO - Disconnect for EI007 Directional Gyro located behind the left instrument panel.	J1007
CONNECTOR DIRECTIONAL GYRO DISCONNECT - Connects to UI302 Directional Gyro located in left instrument panel.	PI302
CONNECTOR EGT PROBE ASSEMBLY - Connects to UN005 EGT Probe located in the nose compartment on bottom right side of engine..	PN006
CONNECTOR EGT/FUEL FLOW INDICATOR - Disconnect for EI014/EI024 EGT/CHT Indicator located behind left instrument panel.	J1017
CONNECTOR ELT PANEL DISCONNECT - Instrument panel disconnect for ELT Switch/Indicator located behind right instrument panel.	JZ906
CONNECTOR ELT TRANSMITTER DISCONNECT - Connects to UT900 ELT Transmitter located in tail.	PT900
CONNECTOR ENCODING ALTIMETER - Located behind instrument panel on right side of cabin.	PC800
CONNECTOR ENTERTAINMENT AUDIO JACK - Located in passenger compartment on side panel.	PC522
CONNECTOR EXTERNAL POWER RECEPTACLE - In Junction Box on left side of nose on firewall.	J3
CONNECTOR FLAP ACTUATOR ASSEMBLY - Connects to JR005 Flap Actuator Disconnect located in right wing.	PR005
CONNECTOR FLAP ACTUATOR ASSEMBLY - Disconnect for Flap Actuator located in right wing near wing root.	JR022
CONNECTOR FLAP ACTUATOR DISCONNECT - Disconnect for Flap Actuator located in right wing near wing root.	JR005
CONNECTOR FLAP ACTUATOR GROUND DISCONNECT - Connects to JR022 Flap Actuator Disconnect located in right wing.	PR022
CONNECTOR FLAP INDICATOR ASSEMBLY - Disconnect for Flap Handle located behind lower instrument panel on right side.	PI001
CONNECTOR FLAP INDICATOR ASSEMBLY - Disconnect for Flap Select Handle located behind the center instrument panel.	J1001
CONNECTOR FLAP MOTOR ASSY - Disconnect for Flap Motor located in right wing near wing root.	JR006
CONNECTOR FLAP MOTOR DISCONNECT - Connects to MR001 Flap Motor located in right wing.	PR006
CONNECTOR FLUX TRANSMITTER - Connects to UL301 Flux Transmitter located in left wing.	PL301
CONNECTOR FLUX TRANSMITTER - Disconnect for Flux Detector located in left wing near wing root.	JM300
CONNECTOR FUEL PRESSURE TRANSDUCER - Disconnect for the Fuel Pressure Transducer located in nose on top of engine.	JN001
CONNECTOR FUEL QUANTITY INDICATOR - Disconnect for EI011 Fuel Quantity Indicator located behind left instrument panel.	J1013
CONNECTOR GLARESHIELD LIGHT - Disconnect for Glareshield Lights behind instrument panel.	J2

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NOMENCLATURE - LOCATION	REFERENCE DESIGNATOR
CONNECTOR GLARESHIELD LIGHT POWER SUPPLY - Disconnect for UI001 Glareshield Light Power Supply located behind instrument panel on far left side.	J1032
CONNECTOR GLIDESLOPE ANTENNA - Connects to PI502 Nav/Comm Unit located behind audio panel.	PI1002
CONNECTOR GPS RECEIVER - Connects to UI701 GPS Receiver located in audio panel.	PI701
CONNECTOR GPS RECEIVER - GPS Antenna coax disconnect located behind audio panel.	PI1011
CONNECTOR GPS RECEIVER/TRANSPONDER COAX - Connects to PI800 Transponder located behind Audio Panel.	PI1001
CONNECTOR GROUND - Ground for Copilot's Control Wheel located behind instrument panel on right side of cabin.	PF900
CONNECTOR GROUND - Ground for PI301 Turn Coordinator located behind instrument panel.	PF901
CONNECTOR GROUND - Ground for PI307 Turn Coordinator located behind instrument panel.	PF902
CONNECTOR GROUND - Located behind instrument panel.	GI001
CONNECTOR GROUND - Located in vertical tail near tail navigation light.	GV001
CONNECTOR GROUND - Located on left wing tip.	GL001
CONNECTOR GROUND - Right navigation ground located on right wing tip.	GR002
CONNECTOR HORIZON GYRO - Disconnect for EI009 Horizon Gyro located behind the instrument panel.	J1010
CONNECTOR HORIZONTAL GYRO - Located behind Pilots instrument panel	PI010
CONNECTOR HORIZONTAL SITUATION INDICATOR - Connects to UI308 located behind left instrument panel near Horizontal Situation Indicator.	PI308
CONNECTOR HORIZONTAL SITUATION INDICATOR - Connects to UI309 located behind left instrument panel near Horizontal Situation Indicator.	PI309
CONNECTOR HSI - Located behind instrument panel.	PI007
CONNECTOR INSTRUMENT PANEL DISCONNECT - Disconnect for right instrument panel located behind right instrument panel.	JZ905
CONNECTOR KI208 INDICATOR DISCONNECT - Connects to UI601 KI208 Indicator located in audio panel.	PI601
CONNECTOR KI-209 INDICATOR DISCONNECT - Connects to UI600 KI209 Indicator located in audio panel.	PI600
CONNECTOR KI209 INDICATOR DISCONNECT - Connects to UI605 KI209 Indicator located in audio panel.	PI605
CONNECTOR KI209A INDICATOR DISCONNECT - Connects to UI604 ADF Indicator located in right side of left instrument panel.	PI604
CONNECTOR KI-227 ADF INDICATOR DISCONNECT - Connects to UI603 ADF Indicator located in right side of left instrument panel.	PI603
CONNECTOR KIT - connected to datalink computer	PT500
CONNECTOR KIT - Connected to MFD	PI312
CONNECTOR KIT - connects to AHRS	PT314
CONNECTOR KIT - connects to air data computer	PT318
CONNECTOR KIT - In leading edge of left wing.	PL010
CONNECTOR KIT - In leading edge of left wing.	PL011
CONNECTOR KIT AUDIO PANEL - Connects to UI507 Audio Panel located in audio panel.	PI507
CONNECTOR KIT AUDIO PANEL - Connects to UI508 Audio Panel located in center instrument panel.	PI508
CONNECTOR KIT DIRECTIONAL GYRO DISCONNECT - Connects to UT302 Directional Gyro Unit located behind baggage compartment in tail.	PT302
CONNECTOR KIT JUNCTION BOX DISCONNECT - Located in Junction Box in left side of nose.	PB019
CONNECTOR KIT JUNCTION BOX DISCONNECT - Located under Junction Box on left side of nose.	PB017
CONNECTOR KIT JUNCTION BOX DISCONNECT - Located under Junction Box on left side of nose.	PB018
CONNECTOR KIT MFD - Connects to MFD located behind instrument panel.	PI406
CONNECTOR KIT OIL PRESSURE SWITCH - Disconnect for SN001 Oil Pressure Switch located in nose on top of engine.	JN005
CONNECTOR KLN-89B GPS RECEIVER DISCONNECT - Connects to UI700 GPS Receiver located in center instrument panel.	PI700

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NOMENCLATURE - LOCATION	REFERENCE DESIGNATOR
CONNECTOR KR-87 ADF COAX - Disconnect for ADF Unit located behind audio panel.	PI1008
CONNECTOR KR-87 ADF DISCONNECT - Connects to UI602 ADF Indicator located in right side of left instrument panel.	PI602
CONNECTOR KX-155 NAV/COMM #2 - Connects to UI503 Audio Panel located in center instrument panel.	PI503
CONNECTOR KX155A NAV/COMM COAX DISCONNECT - Comm Antenna disconnect located behind left instrument panel.	PI1007
CONNECTOR KX155A NAV/COMM COAX DISCONNECT - Connects to PI502 Nav/Comm Unit located behind audio panel.	PI1000
CONNECTOR KX155A NAV/COMM DISCONNECT - Connects to UI510 Nav/Comm Unit located in audio panel.	PI510
CONNECTOR KX155A NAV/COMM DISCONNECT - Connects to UI511 Nav/Comm Unit located in audio panel.	PI511
CONNECTOR KX155A NAV/COMM DISCONNECT COAX - Coax disconnect for Nav/Comm Unit located behind left instrument panel.	PI1004
CONNECTOR LEFT COURTESY LIGHT DISCONNECT - Connects to J1 Left Courtesy Light disconnect located in left wing tip.	PL004
CONNECTOR LEFT COURTESY LIGHT GROUND DISCONNECT - Connects to J2 Left Courtesy Light Disconnect located in left wing tip.	PL020
CONNECTOR LEFT NAVIGATION LIGHT - Connects to FL003 Left Navigation Light located in left wing tip.	PL003
CONNECTOR LEFT STROBE LIGHT POWER SUPPLY DISCONNECT - Connects to UL001 Left Strobe Light Power Supply disconnect located in left wing tip.	PL005
CONNECTOR LEFT WING DISCONNECT - Connects to UL002 Left Fuel Transmitter located at the left wing disconnect in wing root.	PL002
CONNECTOR LEFT WING DISCONNECT - Left wing disconnect located in left wing root.	PM300
CONNECTOR LIGHTING BUS DISCONNECT - Connects to Lighting Bus located behind audio panel.	PI900
CONNECTOR MARKER BEACON ANTENNA - connects to Marker Beacon antenna.	PF1001
CONNECTOR MARKER BEACON ANTENNA - Connects to UF1000 Marker Beacon Antenna located on bottom of fuselage.	PF1000
CONNECTOR MARKER BEACON ANTENNA DISCONNECT - Connects to UF1001 Marker Beacon Antenna located on bottom of fuselage.	PF1001
CONNECTOR NAV 1 ANTENNA COUPLER - Coax disconnect for UI1003 Nav/Comm Coupler located behind left instrument panel.	PI1005
CONNECTOR NAV COUPLER DISCONNECT - Disconnect for UI1003 Navigation Antenna Coupler located behind left instrument panel.	PI1010
CONNECTOR NAV UNIT ANTENNA DISCONNECT - Disconnect for Nav Antenna located behind audio panel.	PI1009
CONNECTOR NAV/COMM ANTENNA COAX DISCONNECT - Connects to UC1008 Nav/Comm antenna located under fuselage on bottom skin of airplane.	PC1008
CONNECTOR NAV/COMM ANTENNA COUPLER DISCONNECT - Coax disconnect for UI1003 Nav/Comm Coupler located behind left instrument panel.	PI1006
CONNECTOR NAV/COMM KX-155 DISCONNECT - Connects to UI501 Nav/Comm Unit located in audio panel.	PI501
CONNECTOR NAV/COMM KX-155 DISCONNECT - Connects to UI502 Nav/Comm Unit located in audio panel.	PI502
CONNECTOR NAV/GPS SWITCH ANNUNCIATOR - Connects to UI702 Nav/GPS Switch located in center instrument panel.	PI702
CONNECTOR NAV/GPS SWITCH ANNUNCIATOR - Connects to UI703 Nav/GPS Switch located in center instrument panel.	PI703
CONNECTOR NAVIGATION ANTENNA COAX - Connects to UV1001 Navigation Antenna located in top of vertical tail.	PV1001
CONNECTOR NAVIGATION CONVERTER - Connects to UT303 Navigation Converter located in tail.	PT303
CONNECTOR NAVIGATION LIGHT - Connects to FV001 Vertical Tail Navigation Light located in top of vertical tail.	PV002

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NOMENCLATURE - LOCATION	REFERENCE DESIGNATOR
CONNECTOR NAVIGATION LIGHT - Disconnect for FR001 Navigation Lights in right wing tip.	JR002
CONNECTOR NAVIGATION LIGHT - Disconnect for Navigation Lights located in base of rudder.	JV002
CONNECTOR OIL TEMPERATURE/OIL PRESSURE INDICATOR - Disconnect for EI011 Oil Temperature/Oil Pressure Indicator located behind the left instrument panel.	JI015
CONNECTOR OVERHEAD CONSOLE DISCONNECT - Located in overhead console in cabin.	JC011
CONNECTOR OVERHEAD CONSOLE DISCONNECT - Located in overhead console in cabin.	PC011
CONNECTOR OVERHEAD DISCONNECT - Cabin overhead.	JC035
CONNECTOR OVERHEAD DISCONNECT - Cabin overhead.	JC036
CONNECTOR OVERHEAD DISCONNECT - Cabin overhead.	PC035
CONNECTOR OVERHEAD DISCONNECT - Cabin overhead.	PC036
CONNECTOR PART OF NZ001 - Pilots Control Panel.	J1
CONNECTOR PEDESTAL DISCONNECT - Disconnect for Pedestal Light located behind instrument panel.	PC004
CONNECTOR PEDESTAL LIGHT DISCONNECT - Connects to FI003 pedestal light.	JC004
CONNECTOR PILOT'S CONTROL WHEEL DISCONNECT - Disconnect for Pilot's Control Wheel located behind left instrument panel.	JI505
CONNECTOR PILOT'S CONTROL WHEEL DISCONNECT - Disconnect for Pilot's Control Wheel located behind left instrument panel.	JI506
CONNECTOR PILOT'S CONTROL WHEEL DISCONNECT - Disconnect for Pilot's Control Wheel located behind left instrument panel.	JI514
CONNECTOR PITCH TRIM ACTUATOR - Connects to UT300 Pitch Trim Actuator located in tail.	PT300
CONNECTOR PITCH TRIM ACTUATOR - Connects to UT301 Pitch Trim Actuator located in tail.	PT301
CONNECTOR PITOT HEATER - Disconnect for TL001 Pitot Heater located in left wing near wing root.	JL006
CONNECTOR PITOT HEATER DISCONNECT - Connects to TL001 Pitot Heat located in left wing tip.	PL006
CONNECTOR PITOT HEATER DISCONNECT - Connects to TL001 Pitot Heat located in left wing tip.	PL007
CONNECTOR PITOT HEATER GROUND DISCONNECT - Disconnect for TL001 Pitot Heater ground located near left wing root.	JL007
CONNECTOR POWER CONVERTER - Disconnect for U1 Power Converter.	J1
CONNECTOR POWER CONVERTER DISCONNECT - Connects to J1 Power Converter Disconnect located in tail.	PT001
CONNECTOR POWER JUNCTION BOX - Disconnect for Junction Box in nose on left side of firewall.	J1
CONNECTOR POWER JUNCTION BOX - Disconnect for Junction Box in nose on left side of firewall.	J2
CONNECTOR RELAY SWITCHING UNIT - Connects to UI704 Relay Switching Unit located in right instrument panel.	PI704
CONNECTOR RELAY SWITCHING UNIT - Connects to UI705 Relay Switching Unit located in right instrument panel.	PI705
CONNECTOR RIGHT COURTESY LIGHT DISCONNECT - Connects to J1 Right Courtesy Light disconnect located in right wing tip.	PR003
CONNECTOR RIGHT COURTESY LIGHT GROUND DISCONNECT - Connects to J2 Right Courtesy Light disconnect located in right wing tip.	PR020
CONNECTOR RIGHT NAVIGATION LIGHT DISCONNECT - Connects to FR001 Right Navigation Light located in right wing root.	PR002
CONNECTOR RIGHT STROBE LIGHT POWER SUPPLY - Connects to UR001 Right Strobe Light Power Supply located in right wing tip.	PR004
CONNECTOR RIGHT WING DISCONNECT - Connects to JR001 Right Wing Disconnect located in right wing root.	PR001
CONNECTOR RIGHT WING DISCONNECT - Disconnect in leading edge of right wing near wing root.	JS300
CONNECTOR ROLL SERVO ACTUATOR - Connects to JS300 Roll Servo Actuator Wing disconnect located in right wing near root.	PS300
CONNECTOR ROLL SERVO ACTUATOR - Connects to UR300 Roll Servo Actuator located in right wing.	PR300
CONNECTOR ROLL SERVO ACTUATOR - Connects to UR300 Roll Servo Actuator located in right wing.	PR301
CONNECTOR RS-232 INTERFACE - Located under instrument panel.	PI306

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NOMENCLATURE - LOCATION	REFERENCE DESIGNATOR
CONNECTOR SLAVING ACCESSORY - Connects to UI310 located behind left instrument panel.	PI310
CONNECTOR SLAVING ACCESSORY - Connects to UI311 Slaving Accessory located behind left instrument panel.	PI311
CONNECTOR STANDBY BATTERY PCB DISCONNECT - Pilots Control Panel	PI036
CONNECTOR SUPPLIED WITH VENDOR ASSEMBLY - Strobe light disconnect.	P1
CONNECTOR SUPPLIED WITH VENDOR LIGHT ASSEMBLY - Disconnect for UI001 Power Supply located behind instrument panel.	P1
CONNECTOR SUPPLIED WITH VENDOR POWER SUPPLY KIT - Disconnect for UL001 Strobe Light Power Supply.	J1
CONNECTOR SWITCH PANEL - Located behind instrument panel.	PC026
CONNECTOR SWITCH PANEL DISCONNECT - Located behind pilots switch panel, lower left side.	JC037
CONNECTOR SWITCH PANEL DISCONNECT - Located behind switch panel.	JC026
CONNECTOR SWITCH/INDICATOR PANEL DISCONNECT - Connects to JZ905 ELT Switch/Indicator disconnect located in right instrument panel.	PZ905
CONNECTOR SWITCH/INDICATOR PANEL DISCONNECT - Connects to JZ906 ELT Switch/Indicator disconnect located in right instrument panel.	PZ906
CONNECTOR TACHOMETER - Disconnect for EI005/EI026 Tachometer located behind the left instrument panel.	JI014
CONNECTOR TACHOMETER - Located behind Pilot's instrument panel	PI016
CONNECTOR TRANSPONDER ANTENNA COAX - Disconnect for UC1005 Transponder Antenna located under fuselage on bottom skin of airplane.	PC1005
CONNECTOR TRANSPONDER ANTENNA COAX - Disconnect for UC1005 Transponder Antenna located under fuselage on bottom skin of airplane.	PC1006
CONNECTOR TRANSPONDER DISCONNECT - Connects to UI800 KT-76C Transponder located in audio panel.	PI800
CONNECTOR TURN COORDINATOR - Connects to UI301 Turn Coordinator located behind left instrument panel.	PI301
CONNECTOR TURN COORDINATOR - Disconnect for EI004 Turn Coordinator located behind the instrument panel.	JI008
CONNECTOR TURN COORDINATOR - Located behind Pilots instrument panel	PI008
CONNECTOR TURN COORDINATOR DISCONNECT - Connects to UI307 located behind left instrument panel near Turn Coordinator Indicator.	PI307
CONNECTOR VERTICAL SPEED INDICATOR - Disconnect for EI006 Vertical Speed Indicator located behind left instrument panel.	JI016
CONNECTOR VERTICAL SPEED INDICATOR - Located behind Pilot's instrument panel	PI014
CONNECTOR VERTICAL TAIL - Disconnect for Navigation Antenna in vertical tail.	JV1000
CONNECTOR VERTICAL TAIL COAX DISCONNECT - Connects to JV1000 Vertical Tail Nav/Comm Antenna Coax disconnect located in base of vertical tail.	PV1000
CONNECTOR VERTICAL TAIL COAX DISCONNECT - Connects to JV1002 Vertical Tail Navigation Antenna Coax located in base of vertical tail.	PV1002
CONNECTOR VERTICAL TAIL DISCONNECT - Connects to JV005 Vertical Tail disconnect located in base of vertical tail.	PV005
CONNECTOR VERTICAL TAIL NAVIGATION LIGHT DISCONNECT - Connects to JV001 Vertical Tail Navigation Light located in base of vertical tail.	PV001
CONNECTOR WING LEVELER COMPUTER - Connects to UI303 Wing Leveler Computer located behind audio panel.	PI303
CONNECTOR WING LEVELER COMPUTER DISCONNECT - Disconnect for UI300 Wing Leveler Computer located behind audio panel.	PI300
CONNECTOR WING LEVELER DISCONNECT - Connects to HI105 Wing Leveler Circuit Breaker located behind left instrument panel.	PZ900
CONTROL UNIT ALTERNATOR - Located in Power Junction Box in left side of nose on firewall.	ACU
CONVERTER NAV - Located behind baggage compartment.	UT303
COOLING FAN - Forward of left instrument panel.	UC901
COUPLER NAV ANTENNA - Located behind pilot's side panel on left side of cabin.	UI1003

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NOMENCLATURE - LOCATION	REFERENCE DESIGNATOR
D	
DIODE - 28 Volt Lighting Diode located on left instrument panel behind HSI Indicator.	DI300
DIODE - Behind Pilots instrument panel	DI005
DIODE - In electrical circuit breaker panel.	DI001
DIODE - In electrical circuit breaker panel.	DI002
DIODE - Located behind Audio Panel.	DI100
DIODE - Located behind Audio Panel.	DI101
DOMELIGHT ASSEMBLY - Cabin overhead	FC002
DOMELIGHT ASSEMBLY - Cabin overhead	FC003
DOMELIGHT ASSEMBLY - Cabin overhead	FC005
DOMELIGHT ASSEMBLY - On aft end of overhead console.	FC005
DOMELIGHT ASSEMBLY - On forward left side of overhead console.	FC002
DOMELIGHT ASSEMBLY - On forward right side of overhead console.	FC003
E	
ENCODING ALTIMETER - Forward of right instrument panel outboard side.	UC800
F	
FLAP MOTOR ASSEMBLY - Located in right wing by flaps.	MR001
FLUX DETECTOR - Located in left wing.	UL301
FUEL PUMP - Below cockpit floor board near forward firewall.	UF005
FUSE POWER JUNCTION BOX - Located in nose compartment in Junction Box on left firewall.	F2
FUSE POWER JUNCTION BOX - Located in nose compartment, inside Junction Box on left firewall.	F1
G	
GAGE TURN COORDINATOR - Located in left instrument panel.	UI301
GROUND - Located behind audio panel.	GL100
GROUND SUPPLIED WITH VENDOR MAGNETO ASSEMBLY - Left magneto ground located on magneto case.	GN004
GROUND SUPPLIED WITH VENDOR MAGNETO ASSEMBLY - Right magneto ground located on engine.	GN005
GROUND STUD - Ground for Flap Actuator located in right wing tip.	GR010
GROUND STUD - Located behind audio panel.	GS309
GROUND STUD - Located in left wing near pitot heat.	GL010
GROUND STUD - Located in tail near Pitch Servo.	GS308
GROUND STUD - Located near Glareshield Power Supply behind left instrument panel.	GF011
GROUND STUD - Located near Roll Servo Actuator.	GS300
GROUND STUD - Power Converter ground located in tail.	GS901
GROUND STUD BOLT - Forward firewall outboard of J-box below power receptacle.	GN008
GROUND STUD WING LEVELER COMPUTER - Ground for Wing Leveler Computer located behind instrument panel.	GS301
GYRO DIRECTIONAL - Located in left instrument panel.	UI302
GYRO DIRECTIONAL - Located on inboard side of left instrument panel.	EI007
GYRO DIRECTIONAL - Located on left instrument panel.	UT302
GYRO HORIZONTAL - Located on inboard side of left instrument panel.	EI009
H	
HEATER PITOT - Located in left wing.	TL001
HOURMETER - Located on outboard side of right instrument panel.	EI003

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NOMENCLATURE - LOCATION

REFERENCE DESIGNATOR

I

INDICATOR AIRSPEED - Located on outboard side of left instrument panel.	EI008
INDICATOR AIRSPEED - Located on outboard side of left instrument panel.	EI025
INDICATOR AMMETER/VACUUM - Located on outboard side of left instrument panel.	EI012
INDICATOR CLOCK/OAT - Located on outboard side of left instrument panel.	EI019
INDICATOR CLOCK/OAT/VOLT - Located on outboard side of left instrument panel.	EI002
INDICATOR CLOCK/OAT/VOLTAGE - Located on outboard side of left instrument panel.	EI029
INDICATOR EGT/FUEL FLOW - Located on outboard side of left instrument panel.	EI014
INDICATOR EGT/FUEL FLOW - Located on outboard side of left instrument panel.	EI024
INDICATOR ELT SWITCH - Connects to JZ905 Instrument Panel disconnect located behind left instrument panel.	SI900
INDICATOR FUEL QUANTITY - Located on outboard side of left instrument panel.	EI011
INDICATOR HSI - Located in left instrument panel.	UI308
INDICATOR HSI - Located in left instrument panel.	UI309
INDICATOR KI208 NAV - Located in left instrument panel.	UI503
INDICATOR KI208 NAV - Located on left instrument panel.	UI601
INDICATOR KI209 - Located on left instrument panel.	UI600
INDICATOR KI-209A - Located on left instrument panel.	UI604
INDICATOR KI-227 ADF - Located on left instrument panel.	UI603
INDICATOR OIL TEMPERATURE/OIL PRESSURE - Located on outboard side of left instrument panel.	EI001
INDICATOR TURN COORDINATOR - Located on outboard side of left instrument panel.	EI004
INDICATOR VERTICLE SPEED - Located on inboard side of left instrument panel.	EI006

J

JACK ANTENNA - Disconnect for Navigation Antenna at base of vertical tail.	JV1002
JACK CO-PILOT'S HEADSET - Connects to Audio Panel and is located on right side of cabin.	PF302
JACK CO-PILOT'S HEADSET - Connects to Audio Panel and is located on right side of cabin.	PF502
JACK COPILOT'S HEADSET - Connects to Audio Panel and is located on right side of cabin.	PF512
JACK CO-PILOT'S MIC - Connects to Audio Panel and is located on right side of cabin.	PF303
JACK CO-PILOT'S MIC - Connects to Audio Panel and is located on right side of cabin.	PF503
JACK COPILOT'S MIC - Connects to Audio Panel and is located on right side of cabin.	PF513
JACK ENTERTAINMENT AUDIO - Located in passenger compartment on side panel.	PC512
JACK HAND MIC - Connects to Audio Panel and is located in left side of cabin.	PC504
JACK HAND MIC - Located in right side of cabin on top of pedestal.	PC510
JACK PASSENGER 1 HEADSET - Located in passenger compartment on side panel.	PC515
JACK PASSENGER 1 MIC - Located in passenger compartment on side panel.	PC517
JACK PASSENGER 2 MIC - Located in passenger compartment on side panel.	PF509
JACK PASSENGER HEADSET - Located in passenger compartment on side panel.	PF508
JACK PASSENGER MIC - Located in passenger compartment on side panel.	PC505
JACK PASSENGER MIC - Located in passenger compartment on side panel.	PF505
JACK PASSENGER PHONE - Located in passenger compartment on side panel.	PC506
JACK PASSENGER PHONE - Located in passenger compartment on side panel.	PF504
JACK PILOT'S HAND MIC - Connects to Audio Panel and is located in left side of cabin.	PC304
JACK PILOT'S HEADSET - Connects to Audio Panel and is located in left side of cabin.	PC302
JACK PILOT'S HEADSET - Connects to Audio Panel and is located in left side of cabin.	PC502
JACK PILOT'S HEADSET - Connects to Audio Panel and is located in left side of cabin.	PC509
JACK PILOT'S MIC - Connects to Audio Panel and is located in left side of cabin.	PC303
JACK PILOT'S MIC - Connects to Audio Panel and is located in left side of cabin.	PC503
JACK PILOT'S MIC - Connects to Audio Panel located in left side of cabin.	PC511

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NOMENCLATURE - LOCATION	REFERENCE DESIGNATOR
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L

LAMP GLARESHIELD CATHODE - On glareshield.	FI002
LANDING LIGHT HID - In leading edge of left wing.	FL008
LED STANDBY BATTERY TEST LIGHT (GREEN) - Pilots Control Panel	FI011
LEFT STROBE POWER SUPPLY GROUND DISCONNECT - Left wing tip	AL001
LH WING NAV LIGHT RED - left wingtip	FL006
LIGHT ASSEMBLY FLASHING BEACON - In top of vertical tail.	FV002
LIGHT ASSEMBLY LEFT COURTESY - Inboard edge of left wing, near trailing edge.	FL004
LIGHT ASSEMBLY LEFT STROBE - In left wing tip.	FL005
LIGHT ASSEMBLY NAVIGATION (GREEN) - In right wing tip.	FR001
LIGHT ASSEMBLY NAVIGATION (RED) - In left wing tip.	FL003
LIGHT ASSEMBLY RIGHT COURTESY - Inboard end of right wing, near trailing edge.	FR002
LIGHT ASSEMBLY RIGHT STROBE - In right wing tip.	FR003
LIGHT COMPASS - In compass on top of glareshield.	FC001
LIGHT COPILOT'S LED FLOOD - Cabin overhead	FF004
LIGHT GLARESHIELD - On top of instrument panel.	FI007
LIGHT LANDING - In leading edge of left wing.	FL002
LIGHT PEDESTAL - In top of pedestal.	FI003
LIGHT PILOT'S LED DOME - Cabin overhead	FC006
LIGHT REAR LED DOME - Cabin overhead	FC007
LIGHT TAXI - In leading edge of left wing.	FL001

M

MAGNETO LEFT - Located in engine compartment on back side of engine.	RN001
MAGNETO RIGHT - Located in engine compartment on back side of engine.	RN002
MAP LIGHT CONTROL WHEEL - Located on Pilot's Control Wheel on left side of cabin.	L1
MFD KMD-540 - Located in instrument panel.	UI406
MODULE CONFIGURATION - Located in audio panel.	UI305
MODULE DIMMING - Located on left side of cabin in sidewall.	ZC001

N

NAV/COMM KX155 - Located in audio panel.	UI501
NAV/COMM KX155 - Located in audio panel.	UI502
NAV/COMM KX-155A - Located on audio panel.	UI511
NAV/COMM KX-155A - Located on audio panel.	UI512
NAV/COMM WITH GLIDESLOPE KX-155A - Located on audio panel.	UI510

P

PANEL ANNUNCIATOR - Located on instrument panel above pilots altimeter	UI005
PANEL AUDIO - Connects to Audio Control in audio panel.	PI500
PANEL AUDIO - Located in audio panel.	UI500
PANEL AUDIO - Located on center instrument panel.	UI507
PANEL AUDIO - Located on center instrument panel.	UI508
POTENTIOMETER RIGHT CONTROL WHEEL - Located on Right Control Wheel.	R1
POWER SUPPLY - Located behind instrument panel on far left side.	UI001
POWER SUPPLY LEFT STROBE LIGHT - Left wing tip	UL003
POWER SUPPLY RIGHT STROBE LIGHT - Right wingtip	UR003
POWER SUPPLY STROBE - Located on left wing tip.	UL001
POWER SUPPLY STROBE - Located on right wing tip.	UR001
PROBE EGT - Located on bottom right side of engine.	UN005

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NOMENCLATURE - LOCATION	REFERENCE DESIGNATOR
PROBE OUTSIDE AIR TEMPERATURE - Located in upper corner of windshield.	TF001
PROBE OUTSIDE AIR TEMPERATURE - Located on top of cabin.	TF001
PROBE OUTSIDE AIR TEMPERATURE - Located on top of cabin.	TF002
PROBE OUTSIDE AIR TEMPERATURE (OAT) - Located on top of cabin.	TF001
R	
RECEIVER GPS - Located on audio panel.	UI700
RECEIVER GPS - Located on audio panel.	UI701
RECEIVER KR-87 ADF - Located on audio panel.	UI602
REGULATOR GLARESHIELD LIGHT - Connects to PI029 Glareshield Light Regulator disconnect located behind center instrument panel.	QI001
REGULATOR INSTRUMENT LIGHTS VOLTAGE - In Dimming Control Module located behind center instrument panel.	QZ002
REGULATOR PEDESTAL/COMPASS LIGHTS VOLTAGE - In Dimming Control Module located behind center instrument panel.	QZ003
REGULATOR RADIO LIGHTS VOLTAGE - In Dimming Control Module located behind center instrument panel.	QZ001
RELAY ALTERNATOR - Located in Junction Box in nose on left side firewall.	K1
RELAY BATTERY - Located in Junction Box in nose on left side firewall.	K4
RELAY EXTERNAL POWER - Located in Junction Box in nose on left side firewall.	K3
RELAY START - Located in Junction Box in nose on left side firewall.	K2
RESISTOR - Cabin overhead	RC003
RESISTOR - Cabin overhead	RF002
RESISTOR - Cabin overhead	RF003
RESISTOR - Pilots Control Panel	RI010
RESISTOR AUTOPILOT/FLAP EXTEND - Connects to JR005 Avionics Flap Actuator disconnect located in right wing.	RR001
RESISTOR AUTOPILOT/FLAP RETRACT - Connects to JR005 Avionics Flap Actuator disconnect located in right wing.	RR002
RESISTOR DIMMING ASSEMBLY - In Dimming Control Module located behind center instrument panel.	RZ001
RESISTOR DIMMING ASSEMBLY - In Dimming Control Module located behind center instrument panel.	RZ002
RESISTOR DIMMING ASSEMBLY - In Dimming Control Module located behind center instrument panel.	RZ003
RESISTOR DIMMING CONTROL - In Dimming Control Module located behind center instrument panel.	RI004
RESISTOR DIMMING CONTROL - In Dimming Control Module located behind center instrument panel.	RI005
RESISTOR DIMMING CONTROL VARIABLE - In Dimming Control Module located behind center instrument panel.	RI001
RESISTOR DIMMING CONTROL VARIABLE - In Dimming Control Module located behind center instrument panel.	RI002
RH WING NAV LIGHT GREEN - Right wingtip.	FR004
S	
SELECTOR GPS - Located on audio panel.	UI702
SELECTOR GPS - Located on audio panel.	UI703
SENSOR CURRENT - Located in Junction Box in nose on left side firewall.	U1
SENSOR OIL TEMPERATURE - Located on top of engine.	UN004
SPEAKER - Located in overhead console in cabin.	UC500
SPEAKER AUDIO PANEL - Located in overhead console in cabin.	UC300
SPLICE - Located behind Audio panel.	AF300
SPLICE - Located behind Audio panel.	AF301
SPLICE - Located behind Audio panel.	AF302

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NOMENCLATURE - LOCATION	REFERENCE DESIGNATOR
SPLICE - Located behind Audio panel.	AF303
SPLICE - Located behind Audio panel.	AF304
SPLICE - Located behind Audio panel.	AF305
SPLICE - Located behind Audio panel.	AF306
SPLICE - Located on Pilot's Control Wheel on left side of cabin.	A1
SPLICE - Located on Pilot's Control Wheel on left side of cabin.	A2
STARTER - Located in nose on engine.	MN002
STROBE LIGHT ASSEMBLY LEFT - Left wing tip.	FL007
STROBE LIGHT ASSEMBLY RIGHT - Right wingtip.	FR005
SWITCH ANNUNCIATOR TEST/DIM - Connects to PC014 Annunciator Switch Disconnect located behind left instrument panel.	SI003
SWITCH ANNUNCIATOR TEST/DIM - Connects to PC015 Annunciator Switch disconnect located behind left instrument panel.	SI004
SWITCH ANNUNCIATOR TEST/DIM - Connects to PC015 Annunciator Switch Disconnect located behind left instrument panel.	SI005
SWITCH AUTOPILOT TRIM DISCONNECT - Located on Pilot's Control Wheel on left side of cabin.	S2
SWITCH AVIONICS MASTER - Connects to JC012 Avionics Circuit Breaker Panel located on lower instrument panel.	SI010
SWITCH AVIONICS MASTER - Located on instrument panel.	SI001
SWITCH BEACON LIGHT - Pilots Control Panel	SI013
SWITCH CABIN POWER - Pilots Control Panel	SI023
SWITCH CONTROL WHEEL MIC - Located on Pilot's and Copilot's Control Wheel.	S1
SWITCH CONTROL WHEEL TRIM - Located on Pilot's Control Wheel on left side of cabin.	S3
SWITCH CONTROL WHEEL TRIM - Located on Pilot's Control Wheel on left side of cabin.	S4
SWITCH CO-PILOT'S DOME LIGHT - Located in the Overhead Console in cabin above copilot.	SC001
SWITCH ELT - Connects to JZ905 Instrument Panel disconnect located behind right instrument panel.	SI900
SWITCH FLAP ACTUATOR DOWN LIMIT - Located in right wing near flap motor.	SR002
SWITCH FLAP ACTUATOR UP LIMIT - Located in right wing near flap motor.	SR001
SWITCH FLAPS DOWN - Connects to PI001 Flap Handle disconnect located on lower instrument panel.	SI008
SWITCH FLAPS UP - Connects to PI001 Flap Handle disconnect located on lower instrument panel.	SI007
SWITCH FUEL PUMP - Pilots Control Panel	SI018
SWITCH IGNITION - Located on instrument panel.	SI002
SWITCH LANDING LIGHT - Pilots Control Panel	SI014
SWITCH LEFT VACUUM - Located in nose compartment on firewall.	SN012
SWITCH MASTER - Connects to JC001 Circuit Breaker Panel disconnect located on left instrument panel.	SI009
SWITCH NAVIGATION LIGHTS - Pilots Control Panel	SI016
SWITCH OIL PRESSURE - Located in nose compartment on engine.	SN001
SWITCH PILOT'S DOME LIGHT - Located in the Overhead Console in cabin above pilot.	SC002
SWITCH PITOT HEAT - Pilots Control Panel	SI019
SWITCH REAR DOME/COURTESY LIGHT - Located in the Overhead Console in cabin above passenger compartment.	SC004
SWITCH RIGHT VACUUM - Located in nose compartment on firewall.	SN011
SWITCH STANDBY BATTERY - Pilots Control Panel	SI021
SWITCH STROBE LIGHTS - Pilots Control Panel	SI017
SWITCH TAXI LIGHT - Pilots Control Panel	SI015
SWITCHING UNIT - Located in right instrument panel.	UI704
SWITCHING UNIT - Located in right instrument panel.	UI705
T	
TACHOMETER - Located on inboard side of left instrument panel.	EI005

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NOMENCLATURE - LOCATION	REFERENCE DESIGNATOR
TACHOMETER - Located on inboard side of left instrument panel.	EI026
TAIL NAVIGATION LIGHT WHITE - In tail stinger.	FV001
TAXI LIGHT HID - In leading edge of left wing.	FL009
TERMINAL BLOCK - Located in pilots control wheel assy	X1
TERMINAL GLARESHIELD REGULATOR - Connects to QI001 Glareshield Regulator located behind instrument panel.	PI029
THERMOSTAT STANDBY BATTERY TEST - Pilots Control Panel	SI022
THERMOCOUPLE JACK EGT PROBE - Connects to UN005 EGT Probe located in the nose.	JN006
TRANSDUCER FUEL PRESSURE - Located on engine in engine compartment.	UN003
TRANSDUCER OIL PRESSURE - Located in nose compartment on engine.	UI006
TRANSMITTER ELT - Located behind baggage compartment.	UT900
TRANSMITTER FUEL QUANTITY - Located near left wing disconnect.	UL002
TRANSMITTER FUEL QUANTITY - Located on right wing near wing root.	UR002
TRANSPONDER KT-76C - Located on audio panel.	UI800
TURN COORDINATOR - Located in left instrument panel.	UI307

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REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY	REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
A1	SPLICE - Located on Pilot's Control Wheel on left side of cabin.			DI002	DIODE - In electrical circuit breaker panel.		
	27-10-01-01	S1370-1			24-61-01-01	1N6391	
	27-10-01-02	S1370-1			24-61-01-02	1N6391	
	33-10-02-02	S1370-1			24-61-01-03	1N6391	
	33-10-02-03	S1370-1			24-61-02-01	1N6391	
	33-10-02-04	S1370-1			24-61-03-01	1N6391	
	33-10-02-05	S1370-1		DI005	DIODE - Behind Pilots instrument panel		
A2	SPLICE - Located on Pilot's Control Wheel on left side of cabin.				31-50-01-04	1N4006	80884 & ON 8403 & ON
	27-10-01-01	S1370-0		DI006	DIODE		
ACU	CONTROL UNIT - Located in Power Junction Box in left side of nose on firewall.				24-61-03-01	1N6391	
	24-20-01-01	A2101		DI007	DIODE		
	24-20-01-02	A2101			24-61-03-01	1N6391	
	24-20-01-03	A2101		DI100	DIODE - Located behind Audio Panel.		
	24-30-01-01	A2101			23-50-10-01	S3106-4	
	24-30-01-02	A2101		DI101	DIODE - Located behind Audio Panel.		
	24-30-01-03	A2101			23-50-10-01	S3106-4	
AL001	LEFT STROBE POWER SUPPLY - Left wing tip			DI300	DIODE - 28 Volt Lighting Diode located on left instrument panel behind HSI Indicator.		
	33-40-02-03	796753-1			34-20-02-01	1N4730A	
	33-40-02-04	796753-1	81234 & ON 9771 & ON		34-20-02-02	1N4730A	
CN001	CAPACITOR - Located in nose compartment on alternator.			EI001	INDICATOR - Located on outboard side of left instrument panel.		
	24-20-01-01	S1915-1			33-10-04-01	S3279-1	
	24-20-01-02	S1915-1			33-10-04-02	S3279-1	
	24-20-01-03	S1915-1	80001 80690 8001 8049		79-30-01-01	S3279-1	
CN001	CAPACITOR - Located in nose compartment on alternator.			EI002	INDICATOR - Located on outboard side of left instrument panel.		
	24-20-01-01	S1915-3	80691 & ON 8050 & ON		31-20-01-01	AT432000	
					33-10-04-01	AT432000	
CZ001	CAPACITOR - On ZC001 Dimming Module Assembly on left side of cabin in sidewall.			EI003	HOURLMETER - Located on outboard side of right instrument panel.		
	33-10-07-01	CSR13-2356			31-20-01-01	S1493-1	
CZ002	CAPACITOR - On ZC001 Dimming Module Assembly on left side of cabin in sidewall.				31-20-01-02	S1493-1	
	33-10-07-01	CSR13-2356			31-20-01-03	S1493-1	
CZ003	CAPACITOR - On ZC001 Dimming Module Assembly on left side of cabin in sidewall.				31-20-01-04	S1493-1	
	33-10-07-01	CSR13-2356			31-20-01-05	S1493-1	
CZ004	CAPACITOR - On ZC001 Dimming Module Assembly on left side of cabin in sidewall.				77-40-01-01	S1493-1	
	33-10-07-01	CSR13-2356		EI004	INDICATOR - Located on outboard side of left instrument panel.		
D1	TRANSZORB				33-10-03-01	S3291-1	80001 81059 8001 8874
	77-40-01-01	1.5KE18A		EI004	INDICATOR - Located on outboard side of left instrument panel.		
D2	TRANSZORB				33-10-03-01	1394T100-10RA	81060 & ON 8875 & ON
	77-40-01-01	1.5KE18A		EI005	TACHOMETER - Located on inboard side of left instrument panel.		
DI001	DIODE - In electrical circuit breaker panel.				33-10-03-01	S3329-1	
	24-61-01-01	1N6391		EI005	TACHOMETER - Located on inboard side of left instrument panel.		
	24-61-01-02	1N6391			33-10-03-01	S3329-5	8001 & ON
	24-61-01-03	1N6391		EI006	INDICATOR - Located on inboard side of left instrument panel.		
	24-61-02-01	1N6391			33-10-03-01	S3327-1	
	24-61-03-01	1N6391					

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REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
EI007	GYRO - Located on inboard side of left instrument panel. 33-10-03-01	S3330-1	
EI008	INDICATOR - Located on outboard side of left instrument panel. 33-10-03-01 33-10-03-02	S3325-1 S3325-1	
EI009	GYRO - Located on inboard side of left instrument panel. 33-10-03-01 33-10-03-02	S3326-1 S3326-1	
EI010	ALTIMETER - Located on inboard side of left instrument panel. 33-10-03-01 33-10-09-01	S3328-1 S3328-1	80001 81117 8001 9121
EI010	ALTIMETER - Located on inboard side of left instrument panel. 33-10-03-01 33-10-03-02 33-10-09-01	S3827-1 S3827-1 S3827-1	81118 & ON 9122 & ON
EI011	INDICATOR - Located on outboard side of left instrument panel. 28-40-01-01 28-40-01-02 33-10-04-01 33-10-04-02	S3281-2 S3281-2 S3281-2 S3281-2	
EI012	INDICATOR - Located on outboard side of left instrument panel. 24-30-01-01 24-30-01-02 33-10-04-01 33-10-04-02	S3280-1 S3280-1 S3280-1 S3280-1	
EI014	INDICATOR - Located on outboard side of left instrument panel. 33-10-01-01 33-10-01-02 33-10-04-01 77-20-01-01 77-20-01-02	S3277-2 S3277-2 S3277-2 S3277-2 S3277-2	80001 80906
EI014	INDICATOR - Located on outboard side of left instrument panel. 33-10-01-02 33-10-01-03 33-10-04-02	S3277-6 S3277-6 S3277-6	80907 & ON
EI019	INDICATOR - Located on outboard side of left instrument panel. 31-20-01-02 31-20-01-03 31-20-01-05 33-10-04-02	M803B-2-0/28V-B M803B-2-0/28V-B M803B-2-0/28V-B M803B-2-0/28V-B	80301 81097 81143 & ON
EI023	ALTIMETER - Located on inboard side of left instrument panel. 33-10-09-01	S3371-1	

REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
EI024	INDICATOR - Located on outboard side of left instrument panel. 33-10-01-02 33-10-01-03 77-20-01-02	S3277-8 S3277-8 S3277-8	8492 & ON
EI024	INDICATOR - Located on outboard side of left instrument panel. 33-10-01-01 33-10-01-02 33-10-04-02 77-20-01-02	S3277-4 S3277-4 S3277-4 S3277-4	8001 8491
EI025	INDICATOR - Located on outboard side of left instrument panel. 33-10-03-01 33-10-03-02	S3325-6 S3325-6	8001 & ON
EI026	TACHOMETER - Located on inboard side of left instrument panel. 33-10-03-01	S3329-5	
EI029	INDICATOR - Located on outboard side of left instrument panel. 31-20-01-04	AT432000	81098 81142 9063 9288
F1	FUSE - Located in nose compartment, inside Junction Box on left firewall. 24-20-01-01 24-20-01-02 24-30-01-01 24-30-01-02 24-30-01-03	ATC-30 ATC-30 ATC-30 ATC-30 ATC-30	80001 80983 8001 8703
F1	CIRCUIT BREAKER - Located in nose compartment in Junction Box on left firewall. 24-20-01-01 24-20-01-02 24-20-01-03 24-30-01-01 24-30-01-02 24-30-01-03	F53-0003 F53-0003 F53-0003 F53-0003 F53-0003 F53-0003	80984 & ON 8704 & ON
F2	FUSE - Located in nose compartment in Junction Box on left firewall. 24-20-01-01 24-20-01-02 24-30-01-01	ATC-30 ATC-30 ATC-30	80001 80983 8001 8703
F2	CIRCUIT BREAKER - Located in nose compartment in Junction Box on left firewall. 24-20-01-01 24-20-01-02 24-20-01-03 24-30-01-02 24-30-01-03	F53-0003 F53-0003 F53-0003 F53-0003 F53-0003	80984 & ON 8704 & ON

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REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
F3	CIRCUIT BREAKER - Located in nose compartment in Junction Box on left firewall.		
	24-20-01-02	F53-0003	
	24-20-01-03	F53-0003	
	24-30-01-02	F53-0003	
	24-30-01-03	F53-0003	
		80984	& ON
		8704	& ON
F4	FUSE		
	24-20-01-01	AGC5	
	24-20-01-02	AGC5	
	24-20-01-03	AGC5	
	24-30-01-01	AGC5	
	24-30-01-02	AGC5	
	24-30-01-03	AGC5	
FC001	LIGHT - In compass on top of glareshield.		
	33-10-01-01	C660501-0103	
	33-10-01-02	C660501-0103	
	33-10-01-03	C660501-0103	
	33-10-01-04	C660501-0103	
FC002	DOMELIGHT ASSEMBLY - On forward left side of overhead console.		
	33-10-05-01	4595-1	
		80001	81114
		8001	9094
FC002	DOMELIGHT ASSEMBLY - Cabin overhead		
	33-10-05-01	RL6806-1	
		81115	81233
		9095	9770
FC003	DOMELIGHT ASSEMBLY - On forward right side of overhead console.		
	33-10-05-01	4595-1	
		80001	81114
		8001	9094
FC003	DOMELIGHT ASSEMBLY - Cabin overhead		
	33-10-05-01	RL6806-1	
		81115	81233
		9095	9770
FC005	DOMELIGHT ASSEMBLY - On aft end of overhead console.		
	33-10-05-01	4596-1	
		80001	81149
		8001	9334
FC005	DOMELIGHT ASSEMBLY - Cabin overhead		
	33-10-05-01	RL6808-1	
		81150	81233
		9335	9770
FC006	LIGHT - Cabin overhead		
	33-10-05-02	RL6870-1	
	33-10-05-03	RL6870-1	
		81234	81272
		9771	10102
FC007	LIGHT - Cabin overhead		
	33-10-05-02	RL6870-1	
	33-10-05-03	RL6870-1	
	33-10-05-04	RL6870-1	
	33-10-05-05	RL6870-1	
		81234	& ON
		9771	& ON

REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
FC012	LIGHT		
	33-10-05-04	RL6870-1	
	33-10-05-05	RL6870-1	
		81273	& ON
		10103	& ON
FF004	LIGHT - Cabin overhead		
	33-10-05-04	RL6870-1	
	33-10-05-05	RL6870-1	
		81273	& ON
		10103	& ON
FI002	LAMP - On glareshield.		
	33-10-06-01	7300248-2	
FI003	LIGHT - In top of pedestal.		
	33-10-01-01	MS25231-1829	
	33-10-01-02	MS25231-1829	
	33-10-01-03	MS25231-1829	
	33-10-01-04	MS25231-1829	
FI007	LIGHT - On top of instrument panel.		
	33-10-06-02	7300248-1	
FI011	LED - Pilots Control Panel		
	24-40-01-01	S2800-679	
	24-40-01-02	S2800-679	
FL001	LIGHT - In leading edge of left wing.		
	33-40-05-01	4587	
		80001	81142
		8001	9288
FL001	LIGHT - In leading edge of left wing.		
	33-40-05-01	4626	
		81143	81233
		9288	9770
FL002	LIGHT - In leading edge of left wing.		
	33-40-05-01	4596	
		80001	81142
		8001	9288
FL002	LIGHT - In leading edge of left wing.		
	33-40-05-01	4594	
		81143	81233
		9289	9770
FL003	LIGHT ASSEMBLY - In left wing tip.		
	33-40-01-01	C622001-0201	
	33-40-01-02	C622001-0201	
		80001	81200
		8001	9568
FL004	LIGHT ASSEMBLY - Inboard edge of left wing, near trailing edge.		
	33-40-04-01	0521101-7	
	33-40-04-02	0521101-7	
	33-40-04-03	0521101-7	
FL005	LIGHT ASSEMBLY - In left wing tip.		
	33-40-02-01	C622003-0101	
		80001	81200
		8001	9568
FL006	LH WING NAV LIGHT - left wingtip		
	33-40-01-03	01-0770082-12	
	33-40-01-04	01-0770082-12	
	33-40-01-05	01-0770082-12	
		81201	& ON
		9569	& ON

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REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
FL007	STROBE LIGHT ASSEMBLY - Left wing tip.		
	33-40-02-02	01-0770818-00	
	33-40-02-03	01-0770818-00	
	33-40-02-04	01-0770818-00	
		81201	& ON
		9569	& ON
FL008	LANDING LIGHT - In leading edge of left wing.		
	33-40-05-02	81008-1	
	33-40-05-03	81008-1	
		81234	81245
		9771	9837
FL008	LANDING LIGHT		
	33-40-05-02	81010-1	
	33-40-05-03	81010-1	
		81246	& ON
		9838	& ON
FL009	TAXI LIGHT - In leading edge of left wing.		
	33-40-05-02	81009-1	
	33-40-05-03	81009-1	
		81234	81245
		9771	9837
FL009	TAXI LIGHT - In leading edge of left wing.		
	33-40-05-02	81011-1	
	33-40-05-03	81011-1	
		81246	& ON
		9838	& ON
FR001	LIGHT ASSEMBLY - In right wing tip.		
	33-40-01-01	C622001-0201	
	33-40-01-02	C622001-0201	
		80001	81200
		8001	9568
FR002	LIGHT ASSEMBLY - Inboard end of right wing, near trailing edge.		
	33-40-04-01	0521101-7	
	33-40-04-02	0521101-7	
	33-40-04-03	0521101-7	
FR003	LIGHT ASSEMBLY - In right wing tip.		
	33-40-02-01	C622003-0101	
		80001	81200
		8001	9568
FR004	RH WING NAV LIGHT - Right wingtip.		
	33-40-01-03	01-0770082-13	
	33-40-01-04	01-0770082-13	
	33-40-01-05	01-0770082-13	
		81201	& ON
		9569	& ON
FR005	STROBE LIGHT ASSEMBLY - Right wingtip.		
	33-40-02-02	01-0770818-00	
	33-40-02-03	01-0770818-00	
	33-40-02-04	01-0770818-00	
		81201	& ON
		9569	& ON
FV001	NAVIGATION LIGHT		
	33-40-01-01	C622001-0102	
	33-40-01-02	C622001-0102	
		80001	81200
		8001	9568
FV002	LIGHT ASSEMBLY - In top of vertical tail.		
	33-40-03-01	01-0770509-07	
	33-40-03-02	01-0770509-07	

REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
GF011	GROUND STUD - Located near Glareshield Power Supply behind left instrument panel.		
	33-10-06-01	0508001-2	
	73-10-01-01	0508001-2	
	73-10-01-02	0508001-2	
	77-40-01-01	0508001-2	
GI001	CONNECTOR - Located behind instrument panel.		
	24-30-01-01	S2527-1	
	24-30-01-02	S2527-1	
	27-50-01-01	S2527-1	
	27-50-01-02	S2527-1	
	28-40-01-01	S2527-1	
	31-20-01-01	S2527-1	
	31-20-01-02	S2527-1	
	31-50-01-01	S2527-1	
	31-50-01-02	S2527-1	
	31-50-01-03	S2527-1	
	33-10-01-01	S2527-1	
	33-10-02-01	S2527-1	
	33-10-05-01	S2527-1	
	33-40-05-01	S2527-1	
	33-40-05-03	S2527-1	
	37-20-01-01	S2527-1	
	74-10-01-01	S2527-1	
	77-20-01-01	S2527-1	
	77-20-01-02	S2527-1	
	79-30-01-01	S2527-1	
		80001	80883
		8001	8402
GI001	CONNECTOR - Located behind instrument panel.		
	24-30-01-01	200838-2	
	24-30-01-02	200838-2	
	24-30-01-03	200838-2	
	24-50-01-01	200838-2	
	24-50-01-02	200838-2	
	24-50-01-03	200838-2	
	24-50-01-04	200838-2	
	27-50-01-02	200838-2	
	27-50-01-03	200838-2	
	28-40-01-01	200838-2	
	28-40-01-02	200838-2	
	31-20-01-02	200838-2	
	31-20-01-03	200838-2	
	31-20-01-04	200838-2	
	31-20-01-05	200838-2	
	31-50-01-04	200838-2	
	33-10-01-02	200838-2	
	33-10-01-03	200838-2	
	33-10-01-04	200838-2	
	33-10-03-02	200838-2	
	33-10-05-01	200838-2	
	33-10-05-02	200838-2	
	33-10-05-03	200838-2	
	33-10-05-04	200838-2	
	33-10-05-05	200838-2	
	33-10-06-02	200838-2	
	33-40-03-01	200838-2	
	33-40-03-02	200838-2	
	33-40-05-01	200838-2	
	33-40-05-02	200838-2	
	33-40-05-03	200838-2	
	37-20-01-01	200838-2	
	37-20-01-02	200838-2	
	74-10-01-01	200838-2	
	74-10-01-02	200838-2	
	74-10-01-03	200838-2	
	77-20-01-02	200838-2	
	77-40-01-01	200838-2	
	79-30-01-01	200838-2	

80884 & ON
8403 & ON

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REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
GL010	GROUND STUD - Located in left wing near pitot heat.		
	30-30-01-01	0508001-2	
	30-30-01-02	0508001-2	
	33-40-01-04	0508001-2	
	33-40-01-05	0508001-2	
	33-40-04-01	0508001-2	
	33-40-04-02	0508001-2	
	33-40-04-03	0508001-2	
	33-40-05-02	0508001-2	
	33-40-05-03	0508001-2	
	77-40-01-01	0508001-2	
		81234 & ON	
		9771 & ON	
GL100	GROUND - Located behind audio panel.		
	22-10-02-01	008-0041-00	
	23-50-10-01	008-0041-00	
	34-50-10-01	008-0041-00	
	34-50-20-01	008-0041-00	
GL010	CONNECTOR		
	33-40-02-03	2-36153-2	
	33-40-02-04	2-36153-2	
GN008	GROUND STUD - Forward firewall outboard of J-box below power receptacle.		
	24-20-01-01	AN5-4A	
	24-20-01-02	AN5-4A	
	24-20-01-03	AN5-4A	
	24-30-01-01	AN5-4A	
	24-30-01-02	AN5-4A	
	24-30-01-03	AN5-4A	
GR010	GROUND STUD - Ground for Flap Actuator located in right wing tip.		
	27-50-01-01	0508001-2	
	27-50-01-02	0508001-2	
	27-50-01-03	0508001-2	
	33-40-04-01	0508001-2	
	33-40-04-02	0508001-2	
	33-40-04-03	0508001-2	
	77-40-01-01	0508001-2	
GS300	GROUND STUD - Located near Roll Servo Actuator.		
	22-10-01-01	3910276-2	
	22-10-01-02	3910276-2	
	22-10-01-03	3910276-2	
	22-10-01-04	3910276-2	

REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
GS301	GROUND STUD - Ground for Wing Leveler Computer located behind instrument panel.		
	22-10-02-02	3910276-2	
	22-10-02-03	3910276-2	
	22-10-30-01	3910276-2	
	22-10-30-01	3910276-2	
	22-10-31-01	3910276-2	
	22-10-31-01	3910276-2	
	22-10-32-01	3910276-2	
	22-10-32-01	3910276-2	
	22-10-33-01	3910276-2	
	22-10-33-01	3910276-2	
	22-10-40-01	3910276-2	
	22-10-40-01	3910276-2	
	22-10-41-01	3910276-2	
	22-10-41-01	3910276-2	
	22-10-42-01	3910276-2	
	22-10-42-01	3910276-2	
	22-10-43-01	3910276-2	
	22-10-43-01	3910276-2	
	22-10-44-01	3910276-2	
	22-10-44-01	3910276-2	
	22-10-45-01	3910276-2	
	22-10-45-01	3910276-2	
	22-10-46-01	3910276-2	
	22-10-46-01	3910276-2	
	22-10-46-01	3910276-2	
	22-10-47-01	3910276-2	
	22-10-47-01	3910276-2	
GS308	GROUND STUD - Located in tail near Pitch Servo.		
	22-10-40-01	3910276-2	
	22-10-41-01	3910276-2	
	22-10-42-01	3910276-2	
	22-10-43-01	3910276-2	
	22-10-44-01	3910276-2	
	22-10-45-01	3910276-2	
	22-10-46-01	3910276-2	
	22-10-47-01	3910276-2	
GS309	GROUND STUD - Located behind audio panel.		
	22-10-42-01	3910276-2	
	22-10-43-01	3910276-2	
	22-10-44-01	3910276-2	
	22-10-45-01	3910276-2	
	23-50-10-03	3910276-2	
	23-50-10-04	3910276-2	
	23-50-20-03	3910276-2	
	23-50-21-02	3910276-2	
	23-50-21-03	3910276-2	
	23-50-21-03	3910276-2	
	34-40-01-01	3910276-2	
	34-50-10-03	3910276-2	
	34-50-11-02	3910276-2	
	34-50-12-02	3910276-2	
	34-50-12-03	3910276-2	
	34-50-20-03	3910276-2	
	34-51-01-02	3910276-2	
	34-52-24-01	3910276-2	

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REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
GS901	GROUND STUD - Power Converter ground located in tail.		
	24-50-01-02	3910276-2	
	25-60-01-01	3910276-2	
	25-60-01-02	3910276-2	
	25-60-01-03	3910276-2	
	25-60-01-04	3910276-2	
	25-60-02-01	3910276-2	
	34-20-02-01	3910276-2	
	34-20-02-02	3910276-2	
	34-20-04-01	3910276-2	
	34-20-04-02	3910276-2	
	34-40-01-01	3910276-2	
	34-50-12-02	3910276-2	
	34-50-12-02	3910276-2	
	34-50-13-01	3910276-2	
	34-50-13-01	3910276-2	
HC900	FUSE ASSY		
	25-60-06-01	S3491-1	
HC901	FUSE ASSY		
	25-60-04-01	S3491-2	
HI001	CIRCUIT BREAKER - In electrical circuit breaker panel.		
	24-61-01-01	CM3589-10	
	24-61-01-02	CM3589-10	
	24-61-01-03	CM3589-10	
	24-61-02-01	CM3589-10	
	33-40-05-01	CM3589-10	
	33-40-05-02	CM3589-10	
HI002	CIRCUIT BREAKER - In electrical circuit breaker panel.		
	24-61-01-01	CM3589-5	
	24-61-01-02	CM3589-5	
	24-61-01-03	CM3589-5	
	24-61-02-01	CM3589-5	
	33-10-02-01	CM3589-5	
	33-10-02-02	CM3589-5	
	33-10-02-03	CM3589-5	
	33-10-02-04	CM3589-5	
	33-40-01-01	CM3589-5	
	33-40-01-02	CM3589-5	
	33-40-01-03	CM3589-5	
	33-40-01-04	CM3589-5	
HI003	CIRCUIT BREAKER - In electrical circuit breaker panel.		
	24-61-01-01	S1360-5L	
	24-61-01-02	S1360-5L	
	24-61-01-03	S1360-5L	
	24-61-02-01	S1360-5L	
	33-10-01-01	S1360-5L	
	33-10-01-02	S1360-5L	
	33-10-01-03	S1360-5L	
	33-10-06-01	S1360-5L	
HI004	CIRCUIT BREAKER - In electrical circuit breaker panel.		
	24-61-01-01	CM3589-5	
	24-61-01-02	CM3589-5	
	24-61-01-03	CM3589-5	
	24-61-02-01	CM3589-5	
	33-40-03-01	CM3589-5	

REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
HI005	CIRCUIT BREAKER - In electrical circuit breaker panel.		
	24-61-01-01	CM3589-5	
	24-61-01-02	CM3589-5	
	24-61-01-03	CM3589-5	
	24-61-02-01	CM3589-5	
	33-40-02-01	CM3589-5	
	33-40-02-02	CM3589-5	
	33-40-02-03	CM3589-5	
HI006	CIRCUIT BREAKER - In electrical circuit breaker panel.		
	24-61-01-01	CM3589-5	
	24-61-01-02	CM3589-5	
	24-61-01-03	CM3589-5	
	24-61-02-01	CM3589-5	
	30-30-01-01	CM3589-5	
HI007	CIRCUIT BREAKER - In electrical circuit breaker panel.		
	24-61-01-01	S1360-10L	
	24-61-01-02	S1360-10L	
	24-61-01-03	S1360-10L	
	24-61-02-01	S1360-10L	
	27-50-01-01	S1360-10L	
	27-50-01-02	S1360-10L	
HI008	CIRCUIT BREAKER - In electrical circuit breaker panel.		
	24-61-01-01	S1360-5L	
	24-61-01-02	S1360-5L	
	24-61-01-03	S1360-5L	
	24-61-02-01	S1360-5L	
	34-21-01-01	S1360-5L	
HI009	CIRCUIT BREAKER - In electrical circuit breaker panel.		
	24-61-01-01	S1360-5L	
	24-61-01-02	S1360-5L	
	24-61-01-03	S1360-5L	
	24-61-02-01	S1360-5L	
	28-40-01-01	S1360-5L	
	28-40-01-02	S1360-5L	
	74-10-01-01	S1360-5L	
	74-10-01-02	S1360-5L	
	77-20-01-01	S1360-5L	
	77-20-01-02	S1360-5L	
	79-30-01-01	S1360-5L	
HI010	CIRCUIT BREAKER - In electrical circuit breaker panel.		
	24-61-01-01	S1360-5L	
	24-61-01-02	S1360-5L	
	24-61-01-03	S1360-5L	
	24-61-02-01	S1360-5L	
HI012	CIRCUIT BREAKER - In electrical circuit breaker panel.		
	24-61-01-01	CM3589-5	
	24-61-01-02	CM3589-5	
	24-61-01-03	CM3589-5	
	24-61-02-01	CM3589-5	
	73-10-01-01	CM3589-5	
HI013	CIRCUIT BREAKER - In electrical circuit breaker panel.		
	24-61-01-01	CM3589-10	
	24-61-01-02	CM3589-10	
	24-61-01-03	CM3589-10	
	24-61-02-01	CM3589-10	
	33-40-05-01	CM3589-10	
	33-40-05-02	CM3589-10	

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REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY	REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
HI015	CIRCUIT BREAKER - In electrical circuit breaker panel.			HI031	CIRCUIT BREAKER - Pilots lower left instrument panel.		
	24-50-01-01	S1360-5L			24-61-03-01	S2899L5.0	
	24-50-01-02	S1360-5L					81241 & ON
	24-61-01-03	S1360-5L					9810 & ON
	33-10-01-03	S1360-5L		HI032	CIRCUIT BREAKER - Pilots lower left instrument panel.		
			80984 & ON		24-61-03-01	S2899L5.0	
			8704 & ON				81241 & ON
HI022	CIRCUIT BREAKER - In electrical circuit breaker panel.						9810 & ON
	24-61-01-01	S1360-5L		HI034	CIRCUIT BREAKER - Pilots lower left instrument panel.		
	24-61-01-02	S1360-5L			24-61-03-01	S2899L20.0	
	24-61-01-03	S1360-5L					81241 & ON
	24-61-02-01	S1360-5L					9810 & ON
	31-20-01-01	S1360-5L		HI035	CIRCUIT BREAKER - Pilots lower left instrument panel.		
	31-20-01-02	S1360-5L			24-61-03-01	S2899L5.0	
	31-20-01-03	S1360-5L					81241 & ON
	31-20-01-04	S1360-5L					9810 & ON
	31-20-01-05	S1360-5L		HI036	CIRCUIT BREAKER - Pilots lower left instrument panel.		
	37-20-01-01	S1360-5L			24-61-03-01	S2899L5.0	
	37-20-01-02	S1360-5L					81241 & ON
HI023	CIRCUIT BREAKER - In electrical circuit breaker panel.						9810 & ON
	24-61-01-01	S1360-15L		HI037	CIRCUIT BREAKER - Pilots lower left instrument panel.		
	24-61-01-02	S1360-15L			24-61-03-01	S2899L10.0	
	24-61-01-03	S1360-15L					81241 & ON
	24-61-02-01	S1360-15L					9810 & ON
HI024	CIRCUIT BREAKER - In electrical circuit breaker panel.			HI038	CIRCUIT BREAKER - Pilots lower left instrument panel.		
	24-61-01-01	S1360-15L			24-61-03-01	S2899L15.0	
	24-61-01-02	S1360-15L					81241 & ON
	24-61-01-03	S1360-15L					9810 & ON
	24-61-02-01	S1360-15L		HI039	CIRCUIT BREAKER - Pilots lower left instrument panel.		
HI025	CIRCUIT BREAKER - Pilots lower left instrument panel.				24-61-03-01	S2899L5.0	
	24-61-03-01	S2899L5.0					81241 & ON
			81241 & ON				9810 & ON
			9810 & ON	HI040	CIRCUIT BREAKER - Pilots lower left instrument panel.		
HI026	CIRCUIT BREAKER - Pilots lower left instrument panel.				24-61-03-01	S2899L15.0	
	24-61-03-01	S2899L5.0					81241 & ON
			81241 & ON				9810 & ON
			9810 & ON	HI041	CIRCUIT BREAKER - Pilots lower left instrument panel.		
HI027	CIRCUIT BREAKER - Pilots lower left instrument panel.				24-61-03-01	S2899L10.0	
	24-61-03-01	S2899L10.0					81241 & ON
			81241 & ON				9810 & ON
			9810 & ON	HI042	CIRCUIT BREAKER - Pilots lower left instrument panel.		
HI028	CIRCUIT BREAKER - Pilots lower left instrument panel.				24-61-03-01	S2899L5.0	
	24-61-03-01	S2899L10.0					81241 & ON
			81241 & ON				9810 & ON
			9810 & ON	HI048	CIRCUIT BREAKER - Pilots lower left instrument panel.		
HI029	CIRCUIT BREAKER - Pilots lower left instrument panel.				24-61-03-01	S2899L5.0	
	24-61-03-01	S2899L5.0					81241 & ON
			81241 & ON				9810 & ON
			9810 & ON				
HI030	CIRCUIT BREAKER - In electrical circuit breaker panel.						
	24-61-01-01	S1360-5L					
			80001 80003				

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HI049	CIRCUIT BREAKER - Pilots lower left instrument panel. 24-61-03-01	S2899L5.0	81241 & ON 9810 & ON
HI050	CIRCUIT BREAKER - Pilots lower left instrument panel. 24-61-03-01	S2899L5.0	81241 & ON 9810 & ON
HI051	CIRCUIT BREAKER - Pilots lower left instrument panel. 24-61-03-01	S2899L5.0	81241 & ON 9810 & ON
HI052	CIRCUIT BREAKER - Pilots lower left instrument panel. 24-61-03-01	S2899L5.0	81241 & ON 9810 & ON
HI053	CIRCUIT BREAKER - Pilots lower left instrument panel. 24-61-03-01	S2899L5.0	81241 & ON 9810 & ON
HI054	CIRCUIT BREAKER - Pilots lower left instrument panel. 24-61-03-01	S2899L10.0	81241 & ON 9810 & ON
HI055	CIRCUIT BREAKER - Pilots lower left instrument panel. 24-61-03-01	S2899L5.0	81241 & ON 9810 & ON
HI056	CIRCUIT BREAKER - Pilots lower left instrument panel. 24-50-01-03 24-50-01-04 24-61-03-01	S2899L5.0 S2899L5.0 S2899L5.0	81241 & ON 9810 & ON
HI057	CIRCUIT BREAKER - Pilots lower left instrument panel. 24-61-03-01 74-10-01-03	S2899L5.0 S2899L5.0	81241 & ON 9810 & ON
HI058	CIRCUIT BREAKER - Pilots lower left instrument panel. 24-61-03-01	S2899L15.0	81241 & ON 9810 & ON
HI059	CIRCUIT BREAKER - Pilots lower left instrument panel. 24-61-03-01	S2899L15.0	81241 & ON 9810 & ON
HI100	CIRCUIT BREAKER - In avionics circuit breaker panel. 24-62-11-01 34-50-10-01	S1360-8L S1360-8L	

REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
HI101	CIRCUIT BREAKER - In avionics circuit breaker panel. 24-62-11-01	S1360-8L	
HI102	CIRCUIT BREAKER - In avionics circuit breaker panel. 24-62-11-01 34-52-20-01	S1360-5L S1360-5L	
HI103	CIRCUIT BREAKER - In avionics circuit breaker panel. 24-62-11-01	S1360-5L	
HI104	CIRCUIT BREAKER - In avionics circuit breaker panel. 24-62-11-01	S1360-5L	
HI105	CIRCUIT BREAKER - In avionics circuit breaker panel. 22-10-02-01 24-62-11-01	S1360-5L S1360-5L	
HI106	CIRCUIT BREAKER - In avionics circuit breaker panel. 21-20-01-01 24-62-11-01	S1360-5L S1360-5L	
HI900	CIRCUIT BREAKER - In avionics circuit breaker panel. 24-62-11-02 24-62-11-03 24-62-20-01 24-62-21-01 24-62-22-01 24-62-23-01 24-62-24-01 24-62-25-01 24-62-26-01 24-62-27-01 24-62-28-01 24-62-29-01 24-62-30-01 24-62-31-01 24-62-32-01 24-62-33-01 24-62-34-01 24-62-35-01	1610-128-080A7 1610-128-080A7 1610-128-080A7 1610-128-080A7 1610-128-080A7 1610-128-080A7 1610-128-080A7 1610-128-080A7 1610-128-080A7 1610-128-080A7 1610-128-080A7 1610-128-080A7 1610-128-080A7 1610-128-080A7 1610-128-080A7 1610-128-080A7 1610-128-080A7 1610-128-080A7	
HI901	CIRCUIT BREAKER - In avionics circuit breaker panel. 24-62-20-01 24-62-21-01 24-62-22-01 24-62-23-01 24-62-24-01 24-62-25-01 24-62-26-01 24-62-27-01 24-62-28-01 24-62-29-01 24-62-30-01 24-62-31-01 24-62-32-01 24-62-33-01 24-62-34-01 24-62-35-01	1610-128-080A7 1610-128-080A7 1610-128-080A7 1610-128-080A7 1610-128-080A7 1610-128-080A7 1610-128-080A7 1610-128-080A7 1610-128-080A7 1610-128-080A7 1610-128-080A7 1610-128-080A7 1610-128-080A7 1610-128-080A7 1610-128-080A7 1610-128-080A7	

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HI902	CIRCUIT BREAKER - In avionics circuit breaker panel.		
	24-62-20-01	1610-128-050A7	
	24-62-21-01	1610-128-050A7	
	24-62-22-01	1610-128-050A7	
	24-62-23-01	1610-128-050A7	
	24-62-24-01	1610-128-050A7	
	24-62-25-01	1610-128-050A7	
	24-62-26-01	1610-128-050A7	
	24-62-27-01	1610-128-050A7	
	24-62-28-01	1610-128-050A7	
	24-62-29-01	1610-128-050A7	
	24-62-30-01	1610-128-050A7	
	24-62-31-01	1610-128-050A7	
	24-62-32-01	1610-128-050A7	
	24-62-33-01	1610-128-050A7	
	24-62-34-01	1610-128-050A7	
	24-62-35-01	1610-128-050A7	
HI903	CIRCUIT BREAKER - In avionics circuit breaker panel.		
	24-62-20-01	1610-128-050A7	
	24-62-21-01	1610-128-050A7	
	24-62-22-01	1610-128-050A7	
	24-62-23-01	1610-128-050A7	
	24-62-25-01	1610-128-050A7	
	24-62-27-01	1610-128-050A7	
	24-62-29-01	1610-128-050A7	
	24-62-31-01	1610-128-050A7	
	24-62-33-01	1610-128-050A7	
	24-62-35-01	1610-128-050A7	
HI904	CIRCUIT BREAKER - In avionics circuit breaker panel.		
	24-62-11-02	1610-128-050A7	
	24-62-11-03	1610-128-050A7	
	24-62-20-01	1610-128-050A7	
	24-62-21-01	1610-128-050A7	
	24-62-22-01	1610-128-050A7	
	24-62-23-01	1610-128-050A7	
	24-62-24-01	1610-128-050A7	
	24-62-25-01	1610-128-050A7	
	24-62-26-01	1610-128-050A7	
	24-62-27-01	1610-128-050A7	
	24-62-28-01	1610-128-050A7	
	24-62-29-01	1610-128-050A7	
	24-62-30-01	1610-128-050A7	
	24-62-31-01	1610-128-050A7	
	24-62-32-01	1610-128-050A7	
	24-62-33-01	1610-128-050A7	
	24-62-34-01	1610-128-050A7	
	24-62-35-01	1610-128-050A7	
HI905	CIRCUIT BREAKER - In avionics circuit breaker panel.		
	24-62-21-01	1610-128-050A7	
	24-62-22-01	1610-128-050A7	
	24-62-23-01	1610-128-050A7	

REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
HI906	CIRCUIT BREAKER - In avionics circuit breaker panel.		
	21-20-01-02	1610-128-050A7	
	21-20-01-03	1610-128-050A7	
	24-62-11-02	1610-128-050A7	
	24-62-11-03	1610-128-050A7	
	24-62-20-01	1610-128-050A7	
	24-62-21-01	1610-128-050A7	
	24-62-22-01	1610-128-050A7	
	24-62-23-01	1610-128-050A7	
	24-62-24-01	1610-128-050A7	
	24-62-25-01	1610-128-050A7	
	24-62-26-01	1610-128-050A7	
	24-62-27-01	1610-128-050A7	
	24-62-28-01	1610-128-050A7	
	24-62-29-01	1610-128-050A7	
	24-62-30-01	1610-128-050A7	
	24-62-31-01	1610-128-050A7	
	24-62-32-01	1610-128-050A7	
	24-62-33-01	1610-128-050A7	
	24-62-34-01	1610-128-050A7	
	24-62-35-01	1610-128-050A7	
HI911	CIRCUIT BREAKER - In avionics circuit breaker panel.		
	24-62-23-01	1610-128-050A7	
	24-62-28-01	1610-128-050A7	
	24-62-29-01	1610-128-050A7	
	24-62-32-01	1610-128-050A7	
	24-62-33-01	1610-128-050A7	
HI916	CIRCUIT BREAKER - In avionics circuit breaker panel.		
	24-62-26-01	MS26574-5	
	24-62-27-01	MS26574-5	
	24-62-28-01	MS26574-5	
	24-62-29-01	MS26574-5	
	24-62-30-01	MS26574-5	
	24-62-31-01	MS26574-5	
	24-62-32-01	MS26574-5	
	24-62-33-01	MS26574-5	
	24-62-34-01	MS26574-5	
	24-62-35-01	MS26574-5	
HI921	CIRCUIT BREAKER		
	24-62-30-01	1610-128-050A7	
	24-62-31-01	1610-128-050A7	
	24-62-32-01	1610-128-050A7	
	24-62-33-01	1610-128-050A7	
	24-62-34-01	1610-128-050A7	
	24-62-35-01	1610-128-050A7	
HI922	CIRCUIT BREAKER		
	24-62-30-01	1610-128-050A7	
	24-62-31-01	1610-128-050A7	
	24-62-32-01	1610-128-050A7	
	24-62-33-01	1610-128-050A7	
	24-62-34-01	1610-128-050A7	
	24-62-35-01	1610-128-050A7	
J1	CONNECTOR - Disconnect for UL001 Strobe Light Power Supply.		
	33-40-02-01	S1638-2	
J1	CONNECTOR		
	33-10-06-02	S2035-1	
	34-20-05-01	S2035-1	
	34-20-05-02	S2035-1	
			81241 & ON
			9810 & ON

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J1	CONNECTOR - Disconnect for U1 Power Converter.		
	24-50-01-01	S2350-10	
	24-50-01-02	S2350-10	
	24-50-01-03	S2350-10	
	24-50-01-04	S2350-10	
	24-51-01-01	S2350-10	
	33-40-02-02	S2350-10	
	33-40-02-03	S2350-10	
	33-40-02-04	S2350-10	
J1	CONNECTOR - Disconnect for FL004 and FR002 Courtesy Lights.		
	33-40-04-01	S1637-2	
	33-40-04-02	S1637-2	
	33-40-04-03	S1637-2	
JC001	CONNECTOR - Disconnect for electrical circuit breaker panel located behind instrument panel.		
	24-20-01-01	S2349-5	
	24-20-01-02	S2349-5	
	24-30-01-01	S2349-5	
	24-30-01-02	S2349-5	
	24-50-01-01	S2349-5	
	24-50-01-02	S2349-5	
	24-61-01-01	S2349-5	
	24-61-01-02	S2349-5	
	24-61-01-03	S2349-5	
	24-61-02-01	S2349-5	
	28-40-01-01	S2349-5	
	28-40-01-02	S2349-5	
	31-20-01-01	S2349-5	
	31-20-01-02	S2349-5	
	31-20-01-03	S2349-5	
	31-20-01-04	S2349-5	
	31-20-01-05	S2349-5	
	33-10-01-01	S2349-5	
	33-10-01-02	S2349-5	
	33-10-01-03	S2349-5	
	33-10-02-01	S2349-5	
	33-10-02-02	S2349-5	
	33-10-02-03	S2349-5	
	33-10-02-04	S2349-5	
	33-10-05-01	S2349-5	
	33-10-05-02	S2349-5	
	33-10-05-05	S2349-5	
	33-10-06-01	S2349-5	
	33-40-01-01	S2349-5	
	33-40-01-02	S2349-5	
	33-40-01-03	S2349-5	
	33-40-01-04	S2349-5	
	33-40-02-01	S2349-5	
	33-40-02-02	S2349-5	
	33-40-02-03	S2349-5	
	34-21-01-01	S2349-5	
	37-20-01-01	S2349-5	
	37-20-01-02	S2349-5	
	73-10-01-01	S2349-5	
	74-10-01-01	S2349-5	
	74-10-01-02	S2349-5	
	77-20-01-01	S2349-5	
	77-20-01-02	S2349-5	
	79-30-01-01	S2349-5	
JC003	CONNECTOR - Above glareshield in cockpit.		
	33-10-01-01	S2035-2	
	33-10-01-02	S2035-2	
	33-10-01-03	S2035-2	
	33-10-01-04	S2035-2	

REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
JC004	CONNECTOR - Connects to FI003 pedestal light.		
	33-10-01-01	S2035-2	
	33-10-01-02	S2035-2	
	33-10-01-03	S2035-2	
	33-10-01-04	S2035-2	
JC005	CONNECTOR - Disconnect for Dimming Control Module located behind right instrument panel on outboard side.		
	33-10-01-01	S1641-9	
	33-10-01-02	S1641-9	
	33-10-01-03	S1641-9	
	33-10-01-04	S1641-9	
	33-10-06-01	S1641-9	
	33-10-06-02	S1641-9	
JC007	CONNECTOR - Avionics/Electrical disconnect behind instrument panel.		
	22-10-02-01	S1641-1	
	24-61-01-01	S1641-1	
	24-61-01-02	S1641-1	
	24-61-01-03	S1641-1	
	31-50-01-01	S1641-1	
	31-50-01-02	S1641-1	
	31-50-01-03	S1641-1	
	31-50-01-04	S1641-1	
	33-10-01-01	S1641-1	
	33-10-01-02	S1641-1	
	33-10-01-03	S1641-1	
	33-10-02-02	S1641-1	
	33-10-02-03	S1641-1	
	33-10-02-04	S1641-1	
	34-21-01-01	S1641-1	
JC008	CONNECTOR - Located in cabin below instrument panel.		
	24-50-01-01	D02EEBFRTAH-0022	
JC009	CONNECTOR - In pedestal.		
	24-50-01-01	S1638-4	
			80984 81142
			8704 9288
JC010	CONNECTOR - Disconnect for electrical circuit breaker panel located behind instrument panel.		
	24-61-01-01	S1641-6	
	24-61-01-02	S1641-6	
	24-61-01-03	S1641-6	
	24-61-02-01	S1641-6	
	27-50-01-01	S1641-6	
	27-50-01-02	S1641-6	
	30-30-01-01	S1641-6	
	33-40-03-01	S1641-6	
	33-40-05-01	S1641-6	
	33-40-05-02	S1641-6	
JC011	CONNECTOR - Located in overhead console in cabin.		
	33-10-05-01	S1638-1	
	33-40-04-01	S1638-1	
JC012	CONNECTOR - Located in instrument panel.		
	24-61-01-01	S2035-2	
	24-61-01-02	S2035-2	
	24-61-01-03	S2035-2	
	24-61-02-01	S2035-2	
	24-62-11-02	S2035-2	
	24-62-20-01	S2035-2	
	24-62-21-01	S2035-2	
	24-62-22-01	S2035-2	
	24-62-23-01	S2035-2	

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JC014	CONNECTOR - Located behind center instrument panel.		
	31-50-01-01	S1638-1	
JC015	CONNECTOR - Located behind center instrument panel.		
	31-50-01-02	S1641-6	
	31-50-01-03	S1641-6	
	31-50-01-04	S1641-6	
	33-10-01-02	S1641-6	
	33-10-01-03	S1641-6	
JC023	CONNECTOR - Circuit breaker panel disconnect located behind circuit breaker panel on left side.		
	22-10-46-01	S2350-10	
	22-10-47-01	S2350-10	
	23-20-01-01	S2350-10	
	23-21-01-01	S2350-10	
	23-21-01-02	S2350-10	
	23-50-22-01	S2350-10	
	23-50-24-01	S2350-10	
	23-50-24-02	S2350-10	
	23-50-24-03	S2350-10	
	23-50-25-01	S2350-10	
	23-50-25-02	S2350-10	
	24-61-03-01	S2350-10	
	25-60-01-05	S2350-10	
	25-60-04-01	S2350-10	
	25-60-06-01	S2350-10	
	31-50-02-01	S2350-10	
	31-50-02-02	S2350-10	
	34-10-01-01	S2350-10	
	34-10-01-02	S2350-10	
	34-20-05-01	S2350-10	
	34-20-05-02	S2350-10	
	34-50-17-01	S2350-10	
	34-50-17-02	S2350-10	
	34-51-02-01	S2350-10	
	34-51-02-02	S2350-10	
	34-53-02-01	S2350-10	
	34-53-02-02	S2350-10	
			81241 & ON 9810 & ON
JC024	CONNECTOR		
	24-50-01-03	S2350-3	
	24-50-01-04	S2350-3	
	24-61-03-01	S2350-3	
	27-50-01-03	S2350-3	
	33-10-01-04	S2350-3	
	33-10-05-03	S2350-3	
	33-10-05-04	S2350-3	
	74-10-01-03	S2350-3	
	77-40-01-01	S2350-3	
			81241 & ON 9810 & ON
JC025	CONNECTOR		
	24-40-01-01	S2350-3	
	24-40-01-02	S2350-3	
	24-61-03-01	S2350-3	

REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
JC026	CONNECTOR - Located behind switch panel.		
	24-20-01-03	S2350-3	
	24-30-01-03	S2350-3	
	24-40-01-01	S2350-3	
	24-40-01-02	S2350-3	
	30-30-01-02	S2350-3	
	33-10-02-05	S2350-3	
	33-40-01-05	S2350-3	
	33-40-02-04	S2350-3	
	33-40-03-02	S2350-3	
	33-40-05-03	S2350-3	
	73-10-01-02	S2350-3	
	77-40-01-01	S2350-3	
			81241 & ON 9810 & ON
JC031	CONNECTOR		
	23-50-22-01	S2350-4	
	23-50-22-01	S2350-4	
	23-50-24-01	S2350-4	
	23-50-24-01	S2350-4	
	23-50-24-02	S2350-4	
	23-50-24-02	S2350-4	
	23-50-24-03	S2350-4	
	23-50-24-03	S2350-4	
	33-10-01-04	S2350-4	
	33-10-02-05	S2350-4	
	34-10-01-01	S2350-4	
	34-10-01-02	S2350-4	
	77-40-01-01	S2350-4	
			81241 & ON 9810 & ON
JC032	RECEPTACLE		
	24-30-01-03	S2351-5	
JC035	CONNECTOR - Cabin overhead.		
	33-10-05-02	S1641-6	
	33-10-05-03	S1641-6	
	33-40-04-02	S1641-6	
			81234 & ON 9771 & ON
JC036	CONNECTOR - Cabin overhead.		
	33-10-05-04	S1641-9	
	33-10-05-05	S1641-9	
	33-40-04-03	S1641-9	
			81273 & ON 10103 & ON
JC037	CONNECTOR - Located behind pilots switch panel, lower left side.		
	24-40-01-02	S2350-5	
	24-50-01-04	S2350-5	
			81273 & ON 10103 & ON
JC522	CONNECTOR		
	23-50-24-03	S3556-21	
			81357 & ON 10432 & ON
JC523	CONNECTOR		
	23-21-01-01	S3556-13	
	23-21-01-02	S3556-13	
			81241 & ON 9810 & ON
JF005	CONNECTOR		
	73-10-01-01	KTKSAD2022F150X2	
	73-10-01-02	KTKSAD2022F150X2	

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JF300	CONNECTOR		
	34-10-01-01	S3556-11	
	34-10-01-02	S3556-11	
			81241 & ON 9810 & ON
J1001	CONNECTOR - Disconnect for Flap Select Handle located behind the center instrument panel.		
	27-50-01-01	S1638-5	
	27-50-01-02	S1638-5	
	27-50-01-03	S1638-5	
J1003	CONNECTOR - Disconnect for Dimming Control Module located behind right instrument panel on outboard side.		
	33-10-01-01	S1641-9	
	33-10-01-02	S1641-9	
	33-10-01-03	S1641-9	
	33-10-01-04	S1641-9	
	33-10-03-02	S1641-9	
	33-10-07-01	S1641-9	
J1004	CONNECTOR - Disconnect for EI002 Clock connector located behind the left instrument panel.		
	31-20-01-01	S1638-1	
	33-10-04-01	S1638-1	
			80001 80300
J1006	CONNECTOR - Connects to UI005 Annunciator Panel located behind the instrument panel.		
	24-20-01-01	770585-1	
	24-20-01-02	770585-1	
	28-40-01-01	770585-1	
	28-40-01-02	770585-1	
	31-20-01-01	770585-1	
	31-20-01-02	770585-1	
	31-20-01-03	770585-1	
	31-20-01-04	770585-1	
	31-20-01-05	770585-1	
	31-50-01-01	770585-1	
	31-50-01-02	770585-1	
	31-50-01-03	770585-1	
	31-50-01-04	770585-1	
	37-20-01-01	770585-1	
	37-20-01-02	770585-1	
	77-20-01-01	770585-1	
J1007	CONNECTOR - Disconnect for EI007 Directional Gyro located behind the left instrument panel.		
	33-10-03-01	S2035-2	
J1008	CONNECTOR - Disconnect for EI004 Turn Coordinator located behind the instrument panel.		
	33-10-03-01	S2035-2	
J1009	CONNECTOR - Disconnect for EI008/EI026 Airspeed Indicator located behind the instrument panel.		
	33-10-03-01	S2035-2	
	33-10-03-02	S2035-2	
J1010	CONNECTOR - Disconnect for EI009 Horizon Gyro located behind the instrument panel.		
	33-10-03-01	S2035-2	
	33-10-03-02	S2035-2	
J1011	CONNECTOR - Disconnect for EI010/EI028 Altimeter Indicator located behind the instrument panel.		
	33-10-03-01	S2035-2	
	33-10-03-02	S2035-2	
	33-10-09-01	S2035-2	

REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
J1012	CONNECTOR - Disconnect for left instrument panel located behind left instrument panel.		
	33-10-01-01	S1638-5	
	33-10-03-01	S1638-5	
	33-10-09-01	S1638-5	
J1012A	CONNECTOR - Disconnect for the center instrument panel located behind the center instrument panel.		
	33-10-09-01	S1638-6	
			80147 80148
J1012	CONNECTOR - Disconnect for the center instrument panel located behind the center instrument panel.		
	33-10-01-02	S1638-6	
	33-10-01-03	S1638-6	
	33-10-09-01	S1638-6	
J1013	CONNECTOR - Disconnect for EI011 Fuel Quantity Indicator located behind left instrument panel.		
	28-40-01-01	S2349-3	
	28-40-01-02	S2349-3	
	33-10-04-01	S2349-3	
	33-10-04-02	S2349-3	
J1014	CONNECTOR - Disconnect for EI005/EI026 Tachometer located behind the left instrument panel.		
	33-10-03-01	S2035-2	
J1015	CONNECTOR - Disconnect for EI011 Oil Temperature/Oil Pressure Indicator located behind the left instrument panel.		
	33-10-04-01	S2349-3	
	33-10-04-02	S2349-3	
	79-30-01-01	S2349-3	
J1016	CONNECTOR - Disconnect for EI006 Vertical Speed Indicator located behind left instrument panel.		
	33-10-03-01	S2035-2	
J1017	CONNECTOR - Disconnect for EI014/EI024 EGT/CHT Indicator located behind left instrument panel.		
	33-10-01-01	S2349-3	
	33-10-01-02	S2349-3	
	33-10-01-03	S2349-3	
	33-10-04-01	S2349-3	
	33-10-04-02	S2349-3	
	77-20-01-01	S2349-3	
	77-20-01-02	S2349-3	
J1019	CONNECTOR - Disconnect for EI012 Ammeter/Vacuum Indicator located behind left instrument panel.		
	24-30-01-01	S2349-3	
	24-30-01-02	S2349-3	
	33-10-04-01	S2349-3	
	33-10-04-02	S2349-3	
J1021	CONNECTOR - Disconnect for EI019 Clock/Oat Indicator located behind left instrument panel.		
	31-20-01-02	RD9F00JVL0	
	31-20-01-03	RD9F00JVL0	
	31-20-01-04	RD9F00JVL0	
	31-20-01-05	RD9F00JVL0	
	33-10-04-02	RD9F00JVL0	
J1024	CONNECTOR - Disconnect for EI023 Altimeter Indicator located behind left instrument panel.		
	33-10-09-01	S2035-2	

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REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
J1026	CONNECTOR - Cabin overhead. 33-10-05-02 33-10-05-03	S1638-1 S1638-1	81234 81272 9771 10102
J1030	CONNECTOR 33-10-02-01	S2035-2	
J1032	CONNECTOR - Disconnect for UI001 Glareshield Light Power Supply located behind instrument panel on far left side. 33-10-06-01	S1638-1	
J1043	CONNECTOR - Cabin overhead. 33-10-05-04 33-10-05-05	S1641-6 S1641-6	81273 & ON 10103 & ON
J1314	CONNECTOR 34-20-05-01 34-20-05-02	S2035-1 S2035-1	81241 & ON 9810 & ON
J1504	CONNECTOR - Disconnect for Copilot's Control Wheel located behind right instrument panel. 23-50-10-01	S2035-2	
J1505	CONNECTOR - Disconnect for Pilot's Control Wheel located behind left instrument panel. 23-50-10-01	S1638-5	
J1506	CONNECTOR - Disconnect for Pilot's Control Wheel located behind left instrument panel. 22-10-02-02 22-10-02-03 22-10-30-01 22-10-31-01 22-10-32-01 22-10-33-01 23-50-10-02 23-50-10-03 23-50-10-04 23-50-20-01 23-50-20-02 23-50-20-03 23-50-21-01 33-10-02-02 33-10-02-03 33-10-02-04	S1641-6 S1641-6 S1641-6 S1641-6 S1641-6 S1641-6 S1641-6 S1641-6 S1641-6 S1641-6 S1641-6 S1641-6 S1641-6 S1641-6 S1641-6 S1641-6 S1641-6	
J1513	CONNECTOR 23-50-22-01 23-50-24-01 23-50-24-02 23-50-24-03	S2035-2 S2035-2 S2035-2 S2035-2	81241 & ON 9810 & ON

REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
J1513	CONNECTOR - Disconnect for Copilot's Control Wheel located behind right instrument panel. 23-50-10-02 23-50-10-03 23-50-10-04 23-50-20-01 23-50-20-02 23-50-20-03 23-50-21-01 23-50-21-02 23-50-21-03 23-50-24-01 23-50-24-02 23-50-24-03	S1641-6 S1641-6 S1641-6 S1641-6 S1641-6 S1641-6 S1641-6 S1641-6 S1641-6 S1641-6 S1641-6 S1641-6	
J1514	CONNECTOR - Disconnect for Pilot's Control Wheel located behind left instrument panel. 22-10-40-01 22-10-41-01 22-10-42-01 22-10-43-01 22-10-44-01 22-10-45-01 22-10-46-01 22-10-47-01 23-50-21-02 23-50-21-03 23-50-22-01 23-50-24-01 23-50-24-02 23-50-24-03 33-10-02-05	S1641-9 S1641-9 S1641-9 S1641-9 S1641-9 S1641-9 S1641-9 S1641-9 S1641-9 S1641-9 S1641-9 S1641-9 S1641-9 S1641-9 S1641-9 S1641-9	

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J1901	CONNECTOR - Disconnect for Avionics Cooling Fan located behind left instrument panel.		
	21-20-01-02	S2350-3	
	21-20-01-03	S2350-3	
	22-10-02-02	S2350-3	
	22-10-02-03	S2350-3	
	22-10-30-01	S2350-3	
	22-10-31-01	S2350-3	
	22-10-32-01	S2350-3	
	22-10-33-01	S2350-3	
	22-10-40-01	S2350-3	
	22-10-41-01	S2350-3	
	22-10-42-01	S2350-3	
	22-10-43-01	S2350-3	
	22-10-44-01	S2350-3	
	22-10-45-01	S2350-3	
	23-50-10-02	S2350-3	
	23-50-10-03	S2350-3	
	23-50-10-04	S2350-3	
	23-50-20-01	S2350-3	
	23-50-20-02	S2350-3	
	23-50-20-03	S2350-3	
	23-50-21-01	S2350-3	
	23-50-21-02	S2350-3	
	23-50-21-03	S2350-3	
	24-62-20-01	S2350-3	
	24-62-21-01	S2350-3	
	34-20-01-01	S2350-3	
	34-20-01-02	S2350-3	
	34-20-02-01	S2350-3	
	34-20-02-02	S2350-3	
	34-20-04-01	S2350-3	
	34-20-04-02	S2350-3	
	34-40-01-01	S2350-3	
	34-50-10-02	S2350-3	
	34-50-10-03	S2350-3	
	34-50-11-01	S2350-3	
	34-50-11-02	S2350-3	
	34-50-12-01	S2350-3	
	34-50-12-02	S2350-3	
	34-50-12-03	S2350-3	
	34-50-13-01	S2350-3	
	34-50-20-02	S2350-3	
	34-50-20-03	S2350-3	
	34-51-01-01	S2350-3	
	34-51-01-02	S2350-3	
	34-52-20-02	S2350-3	
	34-52-21-01	S2350-3	
	34-52-22-01	S2350-3	
	34-52-23-01	S2350-3	
	34-52-23-02	S2350-3	
	34-52-24-01	S2350-3	
	34-52-25-01	S2350-3	
	34-52-26-01	S2350-3	
	34-52-27-01	S2350-3	
	34-53-01-01	S2350-3	
	34-53-01-02	S2350-3	
	34-53-01-03	S2350-3	

REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
JL002	CONNECTOR - Left wing electrical disconnect located at left wing root.		
	28-40-01-01	S1641-9	
	30-30-01-01	S1641-9	
	30-30-01-02	S1641-9	
	33-40-01-01	S1641-9	
	33-40-01-02	S1641-9	
	33-40-01-03	S1641-9	
	33-40-01-04	S1641-9	
	33-40-01-05	S1641-9	
	33-40-02-01	S1641-9	
	33-40-02-02	S1641-9	
	33-40-02-03	S1641-9	
	33-40-02-04	S1641-9	
	33-40-04-01	S1641-9	
	33-40-04-02	S1641-9	
	33-40-04-03	S1641-9	
	33-40-05-01	S1641-9	
	33-40-05-02	S1641-9	
	33-40-05-03	S1641-9	
JL003	CONNECTOR - Disconnect for FL003 Navigation Light located in left wing tip.		
	33-40-01-01	S1637-2	
	33-40-01-02	S1637-2	
JL005	CONNECTOR - Disconnect for UL001 Strobe Light Power Supply located in left wing tip.		
	33-40-02-01	S1637-2	
	33-40-02-02	S1637-2	
	33-40-02-03	S1637-2	
	33-40-02-04	S1637-2	
JL006	CONNECTOR - Disconnect for TL001 Pitot Heater located in left wing near wing root.		
	30-30-01-01	S1637-2	
	30-30-01-02	S1637-2	
JL007	CONNECTOR - Disconnect for TL001 Pitot Heater ground located near left wing root.		
	30-30-01-01	S1637-2	
	30-30-01-02	S1637-2	
JL008	CONNECTOR		
	33-40-01-03	S2035-2	
	33-40-01-04	S2035-2	
	33-40-01-05	S2035-2	
			81201 & ON
			9569 & ON
JM300	CONNECTOR - Disconnect for Flux Detector located in left wing near wing root.		
	34-20-03-01	206434-1	
	34-20-03-02	206434-1	
JN001	CONNECTOR - Disconnect for the Fuel Pressure Transducer located in nose on top of engine.		
	77-20-01-01	S2800-277	
	77-20-01-02	S2800-277	
JN004	CONNECTOR - Disconnect for UI006 Oil Pressure Transducer located in nose on top of engine.		
	77-40-01-01	S2800-277	
	79-30-01-01	S2800-277	

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JN005	CONNECTOR KIT - Disconnect for SN001 Oil Pressure Switch located in nose on top of engine.			JR005	CONNECTOR - Disconnect for Flap Actuator located in right wing near wing root.		
	31-20-01-01	S2800-276			27-50-01-01	S2035-2	
	31-20-01-02	S2800-276			27-50-01-02	S2035-2	
	31-20-01-03	S2800-276			27-50-01-03	S2035-2	
	31-20-01-04	S2800-276					
	31-20-01-05	S2800-276		JR006	CONNECTOR - Disconnect for Flap Motor located in right wing near wing root.		
	77-40-01-01	S2800-276			27-50-01-01	S1638-1	
JN006	THERMOCOUPLE JACK - Connects to UN005 EGT Probe located in the nose.				27-50-01-02	S1638-1	
	77-20-01-01	MJ500-K			27-50-01-03	S1638-1	
	77-20-01-02	MJ500-K		JR007	CONNECTOR - Disconnect for Avionics Flap Actuator located in right wing near root.		
JN009	CONNECTOR KIT				27-50-01-02	S1638-2	
	77-40-01-01	S2800-340			27-50-01-03	S1638-2	
JN011	CONNECTOR						80831 & ON 8348 & ON
	77-40-01-01	NMP-K-F		JR010	CONNECTOR		
JN012	CONNECTOR				33-40-01-03	S2035-2	
	77-40-01-01	NMP-K-F			33-40-01-04	S2035-2	
JN013	CONNECTOR				33-40-01-05	S2035-2	
	77-40-01-01	NMP-K-F		JR022	CONNECTOR - Disconnect for Flap Actuator located in right wing near wing root.		
JN014	CONNECTOR				27-50-01-01	S2035-2	
	77-40-01-01	NMP-K-F			27-50-01-02	S2035-2	
JN017	CONNECTOR				27-50-01-03	S2035-2	
	77-40-01-01	NMP-K-F		JS300	CONNECTOR - Disconnect in leading edge of right wing near wing root.		
JN018	CONNECTOR				22-10-01-01	S1641-9	
	77-40-01-01	NMP-K-F			22-10-01-02	S1641-9	
JN019	CONNECTOR				22-10-01-03	S1641-9	
	77-40-01-01	NMP-K-F			22-10-01-04	S1641-9	
JN020	CONNECTOR			JT907	CONNECTOR KIT		
	77-40-01-01	NMP-K-F			25-60-03-01	S3070-10	
JR001	CONNECTOR - Disconnect for right wing located on rib in right wing root.				25-60-05-01	S3070-10	
	27-50-01-01	S1641-9		JV001	CONNECTOR - Disconnect for Vertical Tail located at base of rudder.		
	27-50-01-02	S1641-9			33-40-01-01	S1637-2	
	27-50-01-03	S1641-9			33-40-01-02	S1637-2	
	28-40-01-01	S1641-9			33-40-01-03	S1637-2	
	33-40-01-01	S1641-9			33-40-01-04	S1637-2	
	33-40-01-02	S1641-9			33-40-01-05	S1637-2	
	33-40-01-03	S1641-9		JV002	CONNECTOR - Disconnect for Navigation Lights located in base of rudder.		
	33-40-01-04	S1641-9			33-40-01-01	S1637-2	
	33-40-01-05	S1641-9			33-40-01-02	S1637-2	
	33-40-02-01	S1641-9			33-40-01-03	S1637-2	
	33-40-02-02	S1641-9			33-40-01-04	S1637-2	
	33-40-02-03	S1641-9			33-40-01-05	S1637-2	
	33-40-02-04	S1641-9		JV004	CONNECTOR - Disconnect for FV002/FV003 Flashing Beacon located in vertical tail.		
	33-40-04-01	S1641-9			33-40-03-01	S2035-2	
	33-40-04-02	S1641-9			33-40-03-02	S2035-2	
	33-40-04-03	S1641-9		JV005	CONNECTOR - Vertical tail disconnect for Flashing Beacon located in base of vertical tail.		
JR002	CONNECTOR - Disconnect for FR001 Navigation Lights in right wing tip.				33-40-03-01	S2035-2	
	33-40-01-01	S1637-2			33-40-03-02	S2035-2	
	33-40-01-02	S1637-2		JV1002	JACK - Disconnect for Navigation Antenna at base of vertical tail.		
JR004	CONNECTOR - Connects to UR001 Strobe Light Power Supply located in right wing tip.				34-50-01-02	S2046-3	
	33-40-02-01	S1637-2					
	33-40-02-02	S1637-2					
	33-40-02-03	S1637-2					
	33-40-02-04	S1637-2					

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REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
JZ900	CONNECTOR - Disconnect for HI105 Wing Leveler Circuit Breaker behind instrument panel on left side.		
	21-20-01-01	S2350-3	
	22-10-02-01	S2350-3	
	23-50-10-01	S2350-3	
	24-62-11-01	S2350-3	
	34-50-10-01	S2350-3	
	34-50-20-01	S2350-3	
	34-52-20-01	S2350-3	
JZ905	CONNECTOR - Disconnect for right instrument panel located behind right instrument panel.		
	25-60-01-01	LMD-4001-P	
	25-60-01-02	LMD-4001-P	
	25-60-01-03	LMD-4001-P	
			80001 81097 8001 9062
JZ906	CONNECTOR - Instrument panel disconnect for ELT Switch/Indicator located behind right instrument panel.		
	25-60-01-04	S3556-12	
	25-60-01-05	S3556-12	
			81098 & ON 9063 & ON
L1	MAP LIGHT - Located on Pilot's Control Wheel on left side of cabin.		
	27-10-01-01	S2521-1	
	27-10-01-02	S2521-1	
	33-10-02-01	S2521-1	
	33-10-02-02	S2521-1	
	33-10-02-03	S2521-1	
	33-10-02-04	S2521-1	
	33-10-02-05	S2521-1	
MN001	ALTERNATOR - Located in nose on engine.		
	24-20-01-01	9910591-5	
			80001 80325
MN001	ALTERNATOR - Located in nose on engine.		
	24-20-01-01	9910591-11	
	24-20-01-02	9910591-11	
	24-20-01-03	9910591-11	
			80326 & ON 8001 & ON
MN002	STARTER - Located in nose on engine.		
	24-30-01-01	31B22207	
	24-30-01-02	31B22207	
	24-30-01-03	31B22207	
MR001	FLAP MOTOR ASSEMBLY - Located in right wing by flaps.		
	27-50-01-01	C301002-0110	
	27-50-01-02	C301002-0110	
	27-50-01-03	C301002-0110	
NZ001	BATTERY		
	24-40-01-01	6100192-000	
	24-40-01-02	6100192-000	
P1	CONNECTOR		
	73-10-01-01	S2035-1	
	73-10-01-02	S2035-1	

REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
P1	CONNECTOR		
	33-10-01-01	S1641-9	
	33-10-01-02	S1641-9	
	33-10-01-03	S1641-9	
	33-10-01-04	S1641-9	
	33-10-05-02	S1641-9	
	33-10-05-03	S1641-9	
	33-10-05-04	S1641-9	
	33-10-05-05	S1641-9	
	33-10-07-01	S1641-9	
	33-10-08-01	S1641-9	
	33-10-08-02	S1641-9	
P1	CONNECTOR - Disconnect for UI001 Power Supply located behind instrument panel.		
	33-10-08-01	S1638-2	
P1	CONNECTOR		
	27-10-01-01	S1640-9	
	27-10-01-02	S1640-9	
P1	CONNECTOR		
	27-10-01-01	S2035-2	
	27-10-01-02	S2035-2	
P3	TERMINAL		
	33-10-08-02	08-50-0114	
			81273 & ON 10103 & ON
PB017	CONNECTOR KIT - Located under Junction Box on left side of nose.		
	24-20-01-01	S2800-275	
	24-30-01-01	S2800-275	
PB018	CONNECTOR KIT - Located under Junction Box on left side of nose.		
	24-20-01-01	S2800-274	
	24-20-01-02	S2800-274	
	24-20-01-03	S2800-274	
	24-30-01-01	S2800-274	
	24-30-01-02	S2800-274	
	24-30-01-03	S2800-274	
	31-20-01-01	S2800-274	
	31-20-01-02	S2800-274	
	31-20-01-03	S2800-274	
	31-20-01-04	S2800-274	
	31-20-01-05	S2800-274	
	74-10-01-01	S2800-274	
	74-10-01-02	S2800-274	
	74-10-01-03	S2800-274	
	77-40-01-01	S2800-274	
PB019	CONNECTOR KIT - Located in Junction Box in left side of nose.		
	24-20-01-02	KTKSAD10280X3	
	24-20-01-03	KTKSAD10280X3	
	24-30-01-02	KTKSAD10280X3	
	24-30-01-03	KTKSAD10280X3	

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REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
PC001	CONNECTOR - Disconnect for Electrical Circuit Breaker Panel located in cabin behind instrument panel.		
	24-20-01-01	S2350-10	
	24-20-01-02	S2350-10	
	24-30-01-01	S2350-10	
	24-30-01-02	S2350-10	
	24-50-01-01	S2350-10	
	24-50-01-02	S2350-10	
	24-61-01-01	S2350-10	
	24-61-01-02	S2350-10	
	24-61-01-03	S2350-10	
	24-61-02-01	S2350-10	
	28-40-01-01	S2350-10	
	28-40-01-02	S2350-10	
	31-20-01-01	S2350-10	
	31-20-01-02	S2350-10	
	31-20-01-03	S2350-10	
	31-20-01-04	S2350-10	
	31-20-01-05	S2350-10	
	33-10-01-01	S2350-10	
	33-10-01-02	S2350-10	
	33-10-01-03	S2350-10	
	33-10-02-01	S2350-10	
	33-10-02-02	S2350-10	
	33-10-02-03	S2350-10	
	33-10-02-04	S2350-10	
	33-10-05-01	S2350-10	
	33-10-05-02	S2350-10	
	33-10-05-05	S2350-10	
	33-10-06-01	S2350-10	
	33-40-01-01	S2350-10	
	33-40-01-02	S2350-10	
	33-40-01-03	S2350-10	
	33-40-01-04	S2350-10	
	33-40-02-01	S2350-10	
	33-40-02-02	S2350-10	
	33-40-02-03	S2350-10	
	34-21-01-01	S2350-10	
	37-20-01-01	S2350-10	
	37-20-01-02	S2350-10	
	73-10-01-01	S2350-10	
	74-10-01-01	S2350-10	
	74-10-01-02	S2350-10	
	77-20-01-01	S2350-10	
	77-20-01-02	S2350-10	
	79-30-01-01	S2350-10	
PC003	CONNECTOR - Located on support above glareshield.		
	33-10-01-01	S2035-1	
	33-10-01-02	S2035-1	
	33-10-01-03	S2035-1	
	33-10-01-04	S2035-1	
PC004	CONNECTOR - Disconnect for Pedestal Light located behind instrument panel.		
	33-10-01-01	S2035-1	
	33-10-01-02	S2035-1	
	33-10-01-03	S2035-1	
	33-10-01-04	S2035-1	
		80001 80983	
		8001 8703	
PC005	CONNECTOR - Disconnect for Dimming Control Module located behind right instrument panel on outboard side.		
	33-10-01-01	S1640-9	
	33-10-01-02	S1640-9	
	33-10-01-03	S1640-9	
	33-10-01-04	S1640-9	
	33-10-06-01	S1640-9	
	33-10-06-02	S1640-9	

REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
PC007	CONNECTOR - Avionics/Electrical disconnect behind instrument panel.		
	22-10-02-01	S1640-9	
	22-10-02-02	S1640-9	
	22-10-02-03	S1640-9	
	22-10-30-01	S1640-9	
	22-10-31-01	S1640-9	
	22-10-32-01	S1640-9	
	22-10-33-01	S1640-9	
	22-10-40-01	S1640-9	
	22-10-40-01	S1640-9	
	22-10-41-01	S1640-9	
	22-10-41-01	S1640-9	
	22-10-42-01	S1640-9	
	22-10-42-01	S1640-9	
	22-10-43-01	S1640-9	
	22-10-43-01	S1640-9	
	22-10-44-01	S1640-9	
	22-10-44-01	S1640-9	
	22-10-45-01	S1640-9	
	22-10-45-01	S1640-9	
	23-50-10-01	S1640-9	
	23-50-10-02	S1640-9	
	23-50-10-03	S1640-9	
	23-50-10-04	S1640-9	
	23-50-20-01	S1640-9	
	23-50-20-02	S1640-9	
	23-50-20-03	S1640-9	
	23-50-21-01	S1640-9	
	23-50-21-02	S1640-9	
	23-50-21-03	S1640-9	
	24-61-01-01	S1640-9	
	24-61-01-02	S1640-9	
	24-61-01-03	S1640-9	
	25-60-01-01	S1640-9	
	25-60-01-02	S1640-9	
	25-60-01-03	S1640-9	
	25-60-01-04	S1640-9	
	25-60-02-01	S1640-9	
	31-50-01-01	S1640-9	
	31-50-01-02	S1640-9	
	31-50-01-03	S1640-9	
	31-50-01-04	S1640-9	
	33-10-01-01	S1640-9	
	33-10-01-02	S1640-9	
	33-10-01-03	S1640-9	
	33-10-02-02	S1640-9	
	33-10-02-03	S1640-9	
	33-10-02-04	S1640-9	
	34-21-01-01	S1640-9	
	34-52-21-01	S1640-9	
	34-52-22-01	S1640-9	
	34-52-23-01	S1640-9	
	34-52-23-02	S1640-9	
	34-52-24-01	S1640-9	
	34-52-25-01	S1640-9	
	34-52-26-01	S1640-9	
	34-52-27-01	S1640-9	
PC009	CONNECTOR - In cabin located behind instrument panel.		
	24-50-01-01	S1638-6	

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REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
PC010	CONNECTOR - Circuit breaker panel disconnect located behind circuit breaker panel on left side.		
	24-61-01-01	S1640-6	
	24-61-01-02	S1640-6	
	24-61-01-03	S1640-6	
	24-61-02-01	S1640-6	
	27-50-01-01	S1640-6	
	27-50-01-02	S1640-6	
	30-30-01-01	S1640-6	
	33-40-03-01	S1640-6	
	33-40-05-01	S1640-6	
	33-40-05-02	S1640-6	
PC011	CONNECTOR - Located in overhead console in cabin.		
	33-10-05-01	S1638-2	
	33-40-04-01	S1638-2	
PC012	CONNECTOR - Circuit breaker panel disconnect located behind circuit breaker panel on left side.		
	24-61-01-01	S2035-1	
	24-61-01-02	S2035-1	
	24-61-01-03	S2035-1	
	24-61-02-01	S2035-1	
	24-62-11-01	S2035-1	
	24-62-11-02	S2035-1	
	24-62-11-03	S2035-1	
	24-62-20-01	S2035-1	
	24-62-21-01	S2035-1	
	24-62-22-01	S2035-1	
	24-62-23-01	S2035-1	
	24-62-24-01	S2035-1	
	24-62-25-01	S2035-1	
	24-62-26-01	S2035-1	
	24-62-27-01	S2035-1	
	24-62-28-01	S2035-1	
	24-62-29-01	S2035-1	
	24-62-30-01	S2035-1	
	24-62-31-01	S2035-1	
	24-62-32-01	S2035-1	
	24-62-33-01	S2035-1	
	24-62-34-01	S2035-1	
	24-62-35-01	S2035-1	
PC014	CONNECTOR - Connects to SI003 Annunciator Test/Dim Switch located behind center instrument panel.		
	31-50-01-01	S1638-2	
PC015	CONNECTOR - Connects to SI004 Annunciator Test/Dim Switch located behind center instrument panel.		
	31-50-01-02	S1640-6	
	31-50-01-03	S1640-6	
	31-50-01-04	S1640-6	
	33-10-01-02	S1640-6	
	33-10-01-03	S1640-6	
PC022	CONNECTOR - Located in cabin below instrument panel.		
	24-50-01-02	1-160759-1	
	24-50-01-03	1-160759-1	
	24-50-01-04	1-160759-1	
PC023	CONNECTOR - Pilots lower left instrument panel.		
	24-61-03-01	S2349-5	
			81241 & ON
			9810 & ON

REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
PC024	CONNECTOR		
	24-50-01-03	S2349-3	
	24-50-01-04	S2349-3	
	24-61-03-01	S2349-3	
	27-50-01-03	S2349-3	
	33-10-01-04	S2349-3	
	33-10-05-03	S2349-3	
	33-10-05-04	S2349-3	
	74-10-01-03	S2349-3	
	77-40-01-01	S2349-3	
			81241 & ON
			9810 & ON
PC025	CONNECTOR - Pilots lower left instrument panel.		
	24-40-01-01	S2349-1	
	24-40-01-02	S2349-1	
	24-61-03-01	S2349-1	
			81241 & ON
			9810 & ON
PC026	CONNECTOR - Located behind instrument panel.		
	24-20-01-03	S2349-1	
	24-30-01-03	S2349-1	
	24-40-01-01	S2349-1	
	24-40-01-02	S2349-1	
	30-30-01-02	S2349-1	
	33-10-02-05	S2349-1	
	33-40-01-05	S2349-1	
	33-40-02-04	S2349-1	
	33-40-03-02	S2349-1	
	33-40-05-03	S2349-1	
	73-10-01-02	S2349-1	
	77-40-01-01	S2349-1	
			81241 & ON
			9810 & ON
PC031	CONNECTOR		
	33-10-01-04	S2349-3	
	33-10-02-05	S2349-3	
	77-40-01-01	S2349-3	
			81241 & ON
			9810 & ON
PC035	CONNECTOR - Cabin overhead.		
	33-10-05-02	S1640-6	
	33-10-05-03	S1640-6	
	33-40-04-02	S1640-6	
			81234 81272
			9771 10102
PC036	CONNECTOR - Cabin overhead.		
	33-10-05-04	S1640-9	
	33-10-05-05	S1640-9	
	33-40-04-03	S1640-9	
			81273 & ON
			10103 & ON
PC037	CONNECTOR		
	24-40-01-02	S2349-2	
	24-50-01-04	S2349-2	
PC1002	CONNECTOR - Connects to UC1002 Comm #2 Antenna located under fuselage on bottom skin of airplane.		
	34-50-20-01	UG88C/U	
PC1004	CONNECTOR		
	34-52-20-01	225555-6	
			80001 80003

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PC1005	CONNECTOR - Disconnect for UC1005 Transponder Antenna located under fuselage on bottom skin of airplane.	34-53-01-02	UG913A/U	PC504	JACK - Connects to Audio Panel and is located in left side of cabin.	23-50-10-02	S1102-1
			80001 80983			23-50-20-01	S1102-1
			8001 8703			23-50-20-02	S1102-1
						23-50-21-01	S1102-1
PC1006	CONNECTOR - Disconnect for UC1005 Transponder Antenna located under fuselage on bottom skin of airplane.	34-53-01-01	UG913A/U				80001 80983
		34-53-01-03	UG913A/U				8001 8703
		34-53-02-01	UG913A/U	PC505	JACK - Located in passenger compartment on side panel.	23-50-10-02	S1102-1
		34-53-02-02	UG913A/U			23-50-20-01	S1102-1
			80852 & ON			23-50-20-02	S1102-1
			8372 & ON			23-50-21-01	S1102-1
PC1007	CONNECTOR - Connects to UC1007 Comm #2 Antenna located under fuselage on bottom skin of airplane.	23-50-25-01	UG913A/U				80001 80983
		23-50-25-02	UG913A/U				8001 8703
		34-50-20-02	UG913A/U	PC506	JACK - Located in passenger compartment on side panel.	23-50-10-02	S1612-1
		34-50-20-03	UG913A/U			23-50-20-01	S1612-1
PC1008	CONNECTOR - Connects to UC1008 Nav/Comm antenna located under fuselage on bottom skin of airplane.	34-52-20-02	225555-6			23-50-20-02	S1612-1
		34-52-21-01	225555-6			23-50-21-01	S1612-1
		34-52-22-01	225555-6				80001 80983
		34-52-23-01	225555-6				8001 8703
		34-52-23-02	225555-6	PC509	JACK - Connects to Audio Panel and is located in left side of cabin.	23-50-10-03	N112B
		34-52-24-01	225555-6			23-50-10-04	N112B
		34-52-25-01	225555-6			23-50-20-03	N112B
		34-52-26-01	225555-6			23-50-21-02	N112B
		34-52-27-01	225555-6			23-50-21-03	N112B
PC1010	CONNECTOR	23-50-25-01	225559-2			23-50-22-01	N112B
		23-50-25-02	225559-2			23-50-24-01	N112B
PC302	JACK - Connects to Audio Panel and is located in left side of cabin.	23-50-10-01	S1612-1			23-50-24-02	N112B
PC303	JACK - Connects to Audio Panel and is located in left side of cabin.	23-50-10-01	S1102-1			23-50-24-03	N112B
PC304	JACK - Connects to Audio Panel and is located in left side of cabin.	23-50-10-01	S1102-1				80984 & ON
PC502	JACK - Connects to Audio Panel and is located in left side of cabin.	23-50-10-02	S1612-1				8704 & ON
		23-50-20-01	S1612-1	PC510	JACK - Located in right side of cabin on top of pedestal.	23-50-10-03	MNS112B
		23-50-20-02	S1612-1			23-50-10-04	MNS112B
		23-50-21-01	S1612-1			23-50-20-03	MNS112B
			80001 80983			23-50-21-02	MNS112B
			8001 8703			23-50-21-03	MNS112B
PC503	JACK - Connects to Audio Panel and is located in left side of cabin.	23-50-10-02	S1102-1			23-50-22-01	MNS112B
		23-50-20-01	S1102-1			23-50-24-01	MNS112B
		23-50-20-02	S1102-1			23-50-24-02	MNS112B
		23-50-21-01	S1102-1			23-50-24-03	MNS112B
			80001 80983	PC511	JACK - Connects to Audio Panel located in left side of cabin.	23-50-10-03	MNS112B
			8001 8703			23-50-10-04	MNS112B
						23-50-20-03	MNS112B
						23-50-21-02	MNS112B
						23-50-21-03	MNS112B
						23-50-22-01	MNS112B
						23-50-24-01	MNS112B
						23-50-24-02	MNS112B
						23-50-24-03	MNS112B
							80984 & ON
							8704 & ON

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PC512	JACK - Located in passenger compartment on side panel.		
	23-21-01-01	35R4PC4BH3	
	23-21-01-02	35R4PC4BH3	
	23-50-10-03	35R4PC4BH3	
	23-50-20-03	35R4PC4BH3	
	23-50-21-02	35R4PC4BH3	
	23-50-24-03	35R4PC4BH3	
		80984 & ON	
		8704 & ON	
PC515	JACK - Located in passenger compartment on side panel.		
	23-50-10-03	N112B	
	23-50-10-04	N112B	
	23-50-20-03	N112B	
	23-50-21-02	N112B	
	23-50-21-03	N112B	
	23-50-22-01	N112B	
	23-50-24-01	N112B	
	23-50-24-02	N112B	
	23-50-24-03	N112B	
		80984 & ON	
		8704 & ON	
PC517	JACK - Located in passenger compartment on side panel.		
	23-50-10-03	MNS112B	
	23-50-10-04	MNS112B	
	23-50-20-03	MNS112B	
	23-50-21-02	MNS112B	
	23-50-21-03	MNS112B	
	23-50-22-01	MNS112B	
	23-50-24-01	MNS112B	
	23-50-24-02	MNS112B	
	23-50-24-03	MNS112B	
		80984 & ON	
		8704 & ON	
PC522	CONNECTOR - Located in passenger compartment on side panel.		
	23-50-10-04	S3556-4	
	23-50-21-03	S3556-4	
	23-50-24-01	S3556-4	
	23-50-24-03	S3556-4	
		81098 81356	
		9063 10431	
PC523	CONNECTOR		
	23-20-01-01	S3556-6	
	23-21-01-01	S3556-6	
	23-21-01-02	S3556-6	
		81241 & ON	
		9810 & ON	
PC600	CONNECTOR - Connects to ADF Antenna located on bottom of fuselage.		
	34-51-01-01	MS27473E12F35P	
	34-51-01-02	MS27473E12F35P	
	34-51-01-03	MS27473E12F35P	

REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
PC800	CONNECTOR - Located behind Instrument panel on right side of cabin.		
	34-52-20-01	M24308/2-2	
	34-52-20-02	M24308/2-2	
	34-52-21-01	M24308/2-2	
	34-52-22-01	M24308/2-2	
	34-52-23-01	M24308/2-2	
	34-52-23-02	M24308/2-2	
	34-52-24-01	M24308/2-2	
	34-52-25-01	M24308/2-2	
	34-52-26-01	M24308/2-2	
	34-52-27-01	M24308/2-2	
	34-53-01-01	M24308/2-2	
	34-53-01-02	M24308/2-2	
	34-53-01-03	M24308/2-2	
PC901	CONNECTOR - Located behind instrument panel.		
	21-20-01-01	03-06-1023	
	21-20-01-02	03-06-1023	
	21-20-01-03	03-06-1023	
PF003	CONNECTOR KIT		
	77-40-01-01	AEKTKSAD0404	
PF004	CONNECTOR		
	24-50-01-03	S1641-6	
	24-50-01-04	S1641-6	
PF1000	CONNECTOR - Connects to UF1000 Marker Beacon Antenna located on bottom of fuselage.		
	23-50-10-01	331178	
		80001 80003	
PF1001	CONNECTOR - Connects to UF1001 Marker Beacon Antenna located on bottom of fuselage.		
	23-50-10-02	UG88C/U	
	23-50-10-03	UG88C/U	
	23-50-20-01	UG88C/U	
	23-50-20-02	UG88C/U	
	23-50-20-03	UG88C/U	
	23-50-21-01	UG88C/U	
	23-50-21-02	UG88C/U	
		80004 81097	
		8001 9062	
PF1001	CONNECTOR - Connects to UF1001 Marker Beacon Antenna located on bottom of fuselage.		
	23-50-10-04	S3284-1	
	23-50-20-03	S3284-1	
	23-50-21-03	S3284-1	
		81098 & ON	
		9063 & ON	
PF1001	CONNECTOR - connects to Marker Beacon antenna.		
	23-50-22-01	UG913A/U	
	23-50-24-01	UG913A/U	
	23-50-24-02	UG913A/U	
	23-50-24-03	UG913A/U	
		81241 & ON	
		9810 & ON	

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PF1002	CONNECTOR - Connects to UF1002 Comm #1 Antenna located under fuselage on bottom skin of airplane.	23-50-25-01 UG913A/U 23-50-25-02 UG913A/U 34-50-10-02 UG913A/U 34-50-10-03 UG913A/U 34-50-11-01 UG913A/U 34-50-11-02 UG913A/U 34-50-12-01 UG913A/U 34-50-12-02 UG913A/U 34-50-12-03 UG913A/U 34-50-13-01 UG913A/U		PF508	JACK - Located in passenger compartment on side panel.	23-50-10-03 N112B 23-50-10-04 N112B 23-50-20-03 N112B 23-50-21-02 N112B 23-50-21-03 N112B 23-50-22-01 N112B 23-50-24-01 N112B 23-50-24-02 N112B 23-50-24-03 N112B	80984 & ON 8704 & ON
PF1010	CONNECTOR	23-50-25-01 225559-2 23-50-25-02 225559-2		PF509	JACK - Located in passenger compartment on side panel.	23-50-10-03 MNS112B 23-50-10-04 MNS112B 23-50-20-03 MNS112B 23-50-21-02 MNS112B 23-50-21-03 MNS112B 23-50-22-01 MNS112B 23-50-24-01 MNS112B 23-50-24-02 MNS112B 23-50-24-03 MNS112B	80984 & ON 8704 & ON
PF1011	CONNECTOR	34-50-17-01 UG88C/U 34-50-17-02 UG88C/U		PF512	JACK - Connects to Audio Panel and is located on right side of cabin.	23-50-10-03 N112B 23-50-10-04 N112B 23-50-20-03 N112B 23-50-21-02 N112B 23-50-21-03 N112B 23-50-22-01 N112B 23-50-24-01 N112B 23-50-24-02 N112B 23-50-24-03 N112B	80984 & ON 8704 & ON
PF300	CONNECTOR	34-10-01-01 S3556-4 34-10-01-02 S3556-4	81241 & ON 9810 & ON	PF513	JACK - Connects to Audio Panel and is located on right side of cabin.	23-50-10-03 MNS112B 23-50-10-04 MNS112B 23-50-20-03 MNS112B 23-50-21-02 MNS112B 23-50-21-03 MNS112B 23-50-22-01 MNS112B 23-50-24-01 MNS112B 23-50-24-02 MNS112B 23-50-24-03 MNS112B	80984 & ON 8704 & ON
PF302	JACK - Connects to Audio Panel and is located on right side of cabin.	23-50-10-01 S1612-1		PF800	CONNECTOR	34-40-01-01 745492-3	
PF303	JACK - Connects to Audio Panel and is located on right side of cabin.	23-50-10-01 S1102-1		PF900	CONNECTOR - Ground for Copilot's Control Wheel located behind instrument panel on right side of cabin.	23-50-10-01 S2526-1 34-50-10-01 S2526-1 34-50-20-01 S2526-1	
PF502	JACK - Connects to Audio Panel and is located on right side of cabin.	23-50-10-02 S1612-1 23-50-20-01 S1612-1 23-50-20-02 S1612-1 23-50-21-01 S1612-1	80001 80983 8001 8703	PF901	CONNECTOR - Ground for PI301 Turn Coordinator located behind instrument panel.	21-20-01-01 S2526-1 22-10-02-01 S2526-1 25-60-01-01 S2526-1 34-52-20-01 S2526-1	
PF503	JACK - Connects to Audio Panel and is located on right side of cabin.	23-50-10-02 S1102-1 23-50-20-01 S1102-1 23-50-20-02 S1102-1 23-50-21-01 S1102-1	80001 80983 8001 8703				
PF504	JACK - Located in passenger compartment on side panel.	23-50-10-02 S1612-1 23-50-20-01 S1612-1 23-50-20-02 S1612-1 23-50-21-01 S1612-1	80001 80983 8001 8703				
PF505	JACK - Located in passenger compartment on side panel.	23-50-10-02 S1102-1 23-50-20-01 S1102-1 23-50-20-02 S1102-1 23-50-21-01 S1102-1	80001 80983 8001 8703				

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PF902	CONNECTOR - Ground for PI307 Turn Coordinator located behind instrument panel.		
	22-10-02-02	SK2701	
	22-10-02-03	SK2701	
	22-10-30-01	SK2701	
	22-10-31-01	SK2701	
	22-10-32-01	SK2701	
	22-10-33-01	SK2701	
	22-10-40-01	SK2701	
	22-10-41-01	SK2701	
	22-10-46-01	SK2701	
	22-10-47-01	SK2701	
	23-50-10-02	SK2701	
	23-50-10-03	SK2701	
	23-50-10-04	SK2701	
	23-50-20-01	SK2701	
	23-50-20-02	SK2701	
	23-50-20-03	SK2701	
	23-50-21-01	SK2701	
	23-50-21-02	SK2701	
	23-50-21-03	SK2701	
	23-50-22-01	SK2701	
	23-50-24-01	SK2701	
	23-50-24-02	SK2701	
	23-50-24-03	SK2701	
	25-60-01-02	SK2701	
	25-60-01-03	SK2701	
	25-60-01-04	SK2701	
	25-60-01-05	SK2701	
	31-50-02-01	SK2701	
	31-50-02-02	SK2701	
	33-10-02-02	SK2701	
	33-10-02-03	SK2701	
	33-10-02-04	SK2701	
	33-10-02-05	SK2701	
	34-20-02-01	SK2701	
	34-20-05-01	SK2701	
	34-20-05-02	SK2701	
	34-50-10-02	SK2701	
	34-50-10-03	SK2701	
	34-50-11-01	SK2701	
	34-50-11-02	SK2701	
	34-50-12-01	SK2701	
	34-50-12-02	SK2701	
	34-50-12-03	SK2701	
	34-50-13-01	SK2701	
	34-50-20-02	SK2701	
	34-50-20-03	SK2701	
	34-51-01-01	SK2701	
	34-51-01-02	SK2701	

REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
PF903	CONNECTOR - Ground for Avionics Cooling Fans located behind instrument panel.		
	21-20-01-02	SK2701	
	21-20-01-03	SK2701	
	22-10-30-01	SK2701	
	22-10-31-01	SK2701	
	22-10-32-01	SK2701	
	22-10-33-01	SK2701	
	22-10-40-01	SK2701	
	22-10-41-01	SK2701	
	22-10-42-01	SK2701	
	22-10-43-01	SK2701	
	22-10-44-01	SK2701	
	22-10-45-01	SK2701	
	22-10-46-01	SK2701	
	22-10-47-01	SK2701	
	23-50-10-02	SK2701	
	23-50-10-03	SK2701	
	23-50-10-04	SK2701	
	23-50-20-01	SK2701	
	23-50-20-02	SK2701	
	23-50-20-03	SK2701	
	23-50-21-01	SK2701	
	23-50-21-02	SK2701	
	23-50-21-03	SK2701	
	23-50-22-01	SK2701	
	23-50-24-01	SK2701	
	23-50-24-02	SK2701	
	23-50-24-03	SK2701	
	34-20-01-01	SK2701	
	34-20-01-02	SK2701	
	34-20-02-01	SK2701	
	34-20-02-02	SK2701	
	34-20-05-01	SK2701	
	34-20-05-02	SK2701	
	34-51-02-01	SK2701	
	34-51-02-02	SK2701	
	34-52-20-02	SK2701	
	34-52-21-01	SK2701	
	34-52-22-01	SK2701	
	34-52-23-01	SK2701	
	34-52-23-01	SK2701	
	34-52-23-02	SK2701	
	34-52-24-01	SK2701	
	34-52-25-01	SK2701	
	34-52-26-01	SK2701	
	34-52-27-01	SK2701	
	34-53-01-01	SK2701	
	34-53-01-02	SK2701	
	34-53-01-03	SK2701	

PI001 CONNECTOR - Disconnect for Flap Handle located behind lower instrument panel on right side.

27-50-01-01	S1638-4
27-50-01-02	S1638-4
27-50-01-03	S1638-4

PI004 CONNECTOR - Located behind left instrument panel on outboard side.

31-20-01-01	S1638-2
33-10-04-01	S1638-2

80001 80300

PI007 CONNECTOR - Located behind instrument panel.

33-10-03-01	S2035-1
34-20-02-01	S2035-1
34-20-02-02	S2035-1

PI008 CONNECTOR - Located behind Pilots instrument panel

33-10-03-01	S2035-1
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REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
PI009	CONNECTOR - Located behind Pilots instrument panel 33-10-03-01 33-10-03-02	S2035-1 S2035-1	
PI010	CONNECTOR - Located behind Pilots instrument panel 33-10-03-01 33-10-03-02	S2035-1 S2035-1	
PI011	CONNECTOR - Located behind Pilots instrument panel 33-10-03-01 33-10-03-02 33-10-09-01	S2035-1 S2035-1 S2035-1	
PI012	CONNECTOR - Located behind center instrument panel. 33-10-01-01 33-10-01-02 33-10-01-03 33-10-03-01 33-10-09-01	S1638-4 S1638-4 S1638-4 S1638-4 S1638-4	
PI012A	CONNECTOR - Located behind center instrument panel when 2nd Altimeter option is used. 33-10-09-01	S1638-4	
PI014	CONNECTOR - Located behind Pilot's instrument panel 33-10-03-01	S2035-1	
PI015	CONNECTOR - Located behind Pilot's instrument panel 33-10-03-01	S2035-1	
PI027	CONNECTOR - Connects to FI007 Glareshield Light located behind instrument panel. 33-10-06-02	S2035-2	80984 & ON 8704 & ON
PI029	TERMINAL - Connects to QI001 Glareshield Regulator located behind instrument panel. 33-10-01-03	08-50-0114	
PI036	CONNECTOR - Pilots Control Panel 24-40-01-01 24-40-01-02	RD15F00JVL0 RD15F00JVL0	
PI039	CONNECTOR 33-10-01-04	S2035-2	
PI040	CONNECTOR 33-10-01-04	S2035-2	
PI1000	CONNECTOR - Connects to PI502 Nav/Comm Unit located behind audio panel. 34-50-10-01 34-50-10-02 34-50-10-03 34-50-11-01 34-50-11-02 34-50-12-01 34-50-12-02 34-50-12-03 34-50-13-01	030-00101-0002 030-00101-0002 030-00101-0002 030-00101-0002 030-00101-0002 030-00101-0002 030-00101-0002 030-00101-0002 030-00101-0002	
PI1001	CONNECTOR - Connects to PI800 Transponder located behind Audio Panel. 34-53-01-01 34-53-01-02 34-53-01-03	030-00101-0002 030-00101-0002 030-00101-0002	

REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
PI1002	CONNECTOR - Connects to PI502 Nav/Comm Unit located behind audio panel. 34-50-10-01 34-50-11-01 34-50-11-02 34-50-12-01 34-50-12-02 34-50-12-03 34-50-13-01	030-00101-0002 030-00101-0002 030-00101-0002 030-00101-0002 030-00101-0002 030-00101-0002 030-00101-0002	
PI1003	CONNECTOR - Connects to GS#1 on Antenna Coupler behind instrument panel. 34-50-10-01 34-50-11-01 34-50-11-02 34-50-12-01 34-50-12-02 34-50-12-03 34-50-13-01	UG88C/U UG88C/U UG88C/U UG88C/U UG88C/U UG88C/U UG88C/U	
PI1004	CONNECTOR - Coax disconnect for Nav/Comm Unit located behind left instrument panel. 34-50-10-01 34-50-10-02 34-50-10-03 34-50-11-01 34-50-11-02 34-50-12-01 34-50-12-02 34-50-12-03 34-50-13-01	030-00101-0002 030-00101-0002 030-00101-0002 030-00101-0002 030-00101-0002 030-00101-0002 030-00101-0002 030-00101-0002 030-00101-0002	
PI1005	CONNECTOR - Coax disconnect for UI1003 Nav/Comm Coupler located behind left instrument panel. 34-50-10-01 34-50-11-01 34-50-11-02 34-50-12-01 34-50-12-02 34-50-12-03 34-50-13-01	UG88C/U UG88C/U UG88C/U UG88C/U UG88C/U UG88C/U UG88C/U	
PI1006	CONNECTOR - Coax disconnect for UI1003 Nav/Comm Coupler located behind left instrument panel. 34-50-10-01 34-50-11-01 34-50-11-02 34-50-12-01 34-50-12-02 34-50-12-03 34-50-13-01	225555-6 225555-6 225555-6 225555-6 225555-6 225555-6 225555-6	
PI1007	CONNECTOR - Comm Antenna disconnect located behind left instrument panel. 34-50-20-01 34-50-20-02 34-50-20-03	030-00101-0002 030-00101-0002 030-00101-0002	
PI1008	CONNECTOR - Disconnect for ADF Unit located behind audio panel. 34-51-01-01 34-51-01-02 34-51-01-03	030-00101-0000 030-00101-0000 030-00101-0000	
PI1009	CONNECTOR - Disconnect for Nav Antenna located behind audio panel. 34-50-20-01 34-50-20-02 34-50-20-03	030-00101-0002 030-00101-0002 030-00101-0002	

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REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
PI1010	CONNECTOR - Disconnect for UI1003 Navigation Antenna Coupler located behind left instrument panel.		
	34-50-20-01	UG88C/U	
	34-50-20-02	UG88C/U	
	34-50-20-03	UG88C/U	
PI1011	CONNECTOR - GPS Antenna coax disconnect located behind audio panel.		
	34-52-20-01	030-00101-0002	
	34-52-20-02	030-00101-0002	
	34-52-21-01	030-00101-0002	
	34-52-22-01	030-00101-0002	
	34-52-23-01	030-00101-0002	
	34-52-23-02	030-00101-0002	
	34-52-24-01	030-00101-0002	
	34-52-25-01	030-00101-0002	
	34-52-26-01	030-00101-0002	
	34-52-27-01	030-00101-0002	
PI300	CONNECTOR - Disconnect for UI300 Wing Leveler Computer located behind audio panel.		
	22-10-02-01	030-01175-0000	
PI301	CONNECTOR - Connects to UI301 Turn Coordinator located behind left instrument panel.		
	22-10-02-01	MS3106F14S-5S	
PI302	CONNECTOR - Connects to UI302 Directional Gyro located in left instrument panel.		
	22-10-30-01	D01PB406NT-837	
	22-10-32-01	D01PB406NT-837	
	22-10-41-01	D01PB406NT-837	
	22-10-43-01	D01PB406NT-837	
	22-10-44-01	D01PB406NT-837	
PI303	CONNECTOR - Connects to UI303 Wing Leveler Computer located behind audio panel.		
	22-10-02-02	030-01175-0000	
	22-10-02-03	030-01175-0000	
	22-10-30-01	030-01175-0000	
	22-10-30-01	030-01175-0000	
	22-10-31-01	030-01175-0000	
	22-10-31-01	030-01175-0000	
	22-10-32-01	030-01175-0000	
	22-10-32-01	030-01175-0000	
	22-10-33-01	030-01175-0000	
	22-10-33-01	030-01175-0000	
	22-10-40-01	030-01175-0000	
	22-10-40-01	030-01175-0000	
	22-10-41-01	030-01175-0000	
	22-10-41-01	030-01175-0000	
	22-10-42-01	030-01175-0000	
	22-10-42-01	030-01175-0000	
	22-10-43-01	030-01175-0000	
	22-10-43-01	030-01175-0000	
	22-10-44-01	030-01175-0000	
	22-10-44-01	030-01175-0000	
	22-10-45-01	030-01175-0000	
	22-10-45-01	030-01175-0000	
	22-10-46-01	030-01175-0000	
	22-10-46-01	030-01175-0000	
	22-10-46-01	030-01175-0000	
	22-10-47-01	030-01175-0000	
	22-10-47-01	030-01175-0000	
	22-10-47-01	030-01175-0000	

REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
PI304	CONNECTOR - Connects to UI304 Autopilot Computer located behind audio panel.		
	22-10-30-01	030-01176-0000	
	22-10-30-01	030-01176-0000	
	22-10-31-01	030-01176-0000	
	22-10-31-01	030-01176-0000	
	22-10-32-01	030-01176-0000	
	22-10-32-01	030-01176-0000	
	22-10-33-01	030-01176-0000	
	22-10-33-01	030-01176-0000	
	22-10-40-01	030-01176-0000	
	22-10-40-01	030-01176-0000	
	22-10-41-01	030-01176-0000	
	22-10-41-01	030-01176-0000	
	22-10-42-01	030-01176-0000	
	22-10-42-01	030-01176-0000	
	22-10-43-01	030-01176-0000	
	22-10-43-01	030-01176-0000	
	22-10-44-01	030-01176-0000	
	22-10-44-01	030-01176-0000	
	22-10-45-01	030-01176-0000	
	22-10-45-01	030-01176-0000	
	22-10-46-01	030-01176-0000	
	22-10-46-01	030-01176-0000	
	22-10-47-01	030-01176-0000	
	22-10-47-01	030-01176-0000	
PI305	CONNECTOR - Connects to UI305 Configuration Module located behind left instrument panel.		
	22-10-02-02	030-01171-0000	
	22-10-02-03	030-01171-0000	
	22-10-30-01	030-01171-0000	
	22-10-31-01	030-01171-0000	
	22-10-32-01	030-01171-0000	
	22-10-33-01	030-01171-0000	
	22-10-40-01	030-01171-0000	
	22-10-41-01	030-01171-0000	
	22-10-42-01	030-01171-0000	
	22-10-43-01	030-01171-0000	
	22-10-44-01	030-01171-0000	
	22-10-45-01	030-01171-0000	
	22-10-46-01	030-01171-0000	
	22-10-47-01	030-01171-0000	
PI306	CONNECTOR - Located under instrument panel.		
	22-10-02-02	033-00230-0000	
	22-10-02-03	033-00230-0000	
	22-10-30-01	033-00230-0000	
	22-10-31-01	033-00230-0000	
	22-10-32-01	033-00230-0000	
	22-10-33-01	033-00230-0000	
	22-10-40-01	033-00230-0000	
	22-10-41-01	033-00230-0000	
	22-10-42-01	033-00230-0000	
	22-10-43-01	033-00230-0000	
	22-10-44-01	033-00230-0000	
	22-10-45-01	033-00230-0000	
	22-10-46-01	033-00230-0000	
	22-10-47-01	033-00230-0000	

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REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
PI307	CONNECTOR - Connects to UI307 located behind left instrument panel near Turn Coordinator Indicator.		
	22-10-02-02	97-4106A14S-5S	
	22-10-02-03	97-4106A14S-5S	
	22-10-30-01	97-4106A14S-5S	
	22-10-31-01	97-4106A14S-5S	
	22-10-32-01	97-4106A14S-5S	
	22-10-33-01	97-4106A14S-5S	
	22-10-40-01	97-4106A14S-5S	
	22-10-41-01	97-4106A14S-5S	
	22-10-42-01	97-4106A14S-5S	
	22-10-43-01	97-4106A14S-5S	
	22-10-44-01	97-4106A14S-5S	
	22-10-45-01	97-4106A14S-5S	
	22-10-46-01	97-4106A14S-5S	
	22-10-47-01	97-4106A14S-5S	
PI308	CONNECTOR - Connects to UI308 located behind left instrument panel near Horizontal Situation Indicator.		
	22-10-31-01	030-02153-0000	
	22-10-33-01	030-02153-0000	
	22-10-40-01	030-02153-0000	
	22-10-42-01	030-02153-0000	
	22-10-45-01	030-02153-0000	
	34-20-02-01	030-02153-0000	
	34-20-02-02	030-02153-0000	
PI309	CONNECTOR - Connects to UI309 located behind left instrument panel near Horizontal Situation Indicator.		
	22-10-31-01	030-02178-0000	
	22-10-33-01	030-02178-0000	
	22-10-40-01	030-02178-0000	
	22-10-40-01	030-02178-0000	
	22-10-42-01	030-02178-0000	
	22-10-42-01	030-02178-0000	
	22-10-45-01	030-02178-0000	
	22-10-45-01	030-02178-0000	
	34-20-02-01	030-02178-0000	
	34-20-02-02	030-02178-0000	
	34-50-12-02	030-02178-0000	
	34-50-12-03	030-02178-0000	
	34-50-13-01	030-02178-0000	
PI310	CONNECTOR - Connects to UI310 located behind left instrument panel.		
	34-20-02-01	030-02421-0000	
	34-20-02-02	030-02421-0000	
PI311	CONNECTOR - Connects to UI311 Slaving Accessory located behind left instrument panel.		
	34-20-02-01	030-02421-0000	
	34-20-02-02	030-02421-0000	
PI312	CONNECTOR - Connected to MFD		
	23-20-01-01	011-00820-00	
	23-21-01-01	011-00820-00	
	23-21-01-02	011-00820-00	
	34-20-05-01	011-00820-00	
	34-20-05-01	011-00820-00	
	34-20-05-02	011-00820-00	
	34-20-05-02	011-00820-00	
			81241 & ON
			9810 & ON
PI314	CONNECTOR		
	34-20-05-01	S2035-2	
	34-20-05-02	S2035-2	
			81241 & ON
			9810 & ON

REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
PI315	CONNECTOR		
	34-20-05-01	S2035-2	
	34-20-05-02	S2035-2	
			81241 & ON
			9810 & ON
PI316	CONNECTOR		
	34-20-05-01	S2035-2	
	34-20-05-02	S2035-2	
			81241 & ON
			9810 & ON
PI406	CONNECTOR KIT - Connects to MFD located behind instrument panel.		
	34-20-01-01	050-03605-0000	
	34-20-01-02	050-03605-0000	
	34-20-04-01	050-03605-0000	
	34-20-04-02	050-03605-0000	
	34-40-01-01	050-03605-0000	
PI500	PANEL - Connects to Audio Control in audio panel.		
	22-10-02-01	030-1094-58	
	23-50-10-01	030-1094-58	
	34-50-10-01	030-1094-58	
	34-50-20-01	030-1094-58	
PI501	CONNECTOR - Connects to UI501 Nav/Comm Unit located in audio panel.		
	34-50-10-01	030-01094-060	
PI502	CONNECTOR - Connects to UI502 Nav/Comm Unit located in audio panel.		
	34-50-10-01	030-01094-059	
PI503	CONNECTOR - Connects to UI503 Audio Panel located in center instrument panel.		
	34-50-20-01	030-01094-059	
PI507	CONNECTOR KIT - Connects to UI507 Audio Panel located in audio panel.		
	22-10-02-02	050-03392-0000	
	22-10-02-03	050-03392-0000	
	22-10-30-01	050-03392-0000	
	22-10-31-01	050-03392-0000	
	22-10-32-01	050-03392-0000	
	22-10-33-01	050-03392-0000	
	22-10-40-01	050-03392-0000	
	22-10-41-01	050-03392-0000	
	23-50-10-02	050-03392-0000	
	23-50-20-01	050-03392-0000	
	23-50-20-02	050-03392-0000	
	23-50-21-01	050-03392-0000	
	34-50-10-02	050-03392-0000	
	34-50-11-01	050-03392-0000	
	34-50-12-01	050-03392-0000	
	34-50-13-01	050-03392-0000	
	34-50-20-02	050-03392-0000	
	34-51-01-01	050-03392-0000	
	34-52-21-01	050-03392-0000	
	34-52-22-01	050-03392-0000	
	34-52-23-01	050-03392-0000	

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REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
PI508	CONNECTOR KIT - Connects to UI508 Audio Panel located in center instrument panel.		
	22-10-30-01	050-03392-0000	
	22-10-31-01	050-03392-0000	
	22-10-32-01	050-03392-0000	
	22-10-33-01	050-03392-0000	
	22-10-40-01	050-03392-0000	
	22-10-41-01	050-03392-0000	
	23-50-10-02	050-03392-0000	
	23-50-20-01	050-03392-0000	
	23-50-20-02	050-03392-0000	
	23-50-21-01	050-03392-0000	
PI509	CONNECTOR - Connects to UI509 Audio Panel located in center instrument panel.		
	23-50-10-02	030-01094-0004	
	23-50-20-01	030-01094-0004	
	23-50-20-02	030-01094-0004	
	23-50-21-01	030-01094-0004	
	34-50-10-02	030-01094-0004	
	34-50-11-01	030-01094-0004	
	34-50-12-01	030-01094-0004	
	34-50-13-01	030-01094-0004	
	34-50-20-02	030-01094-0004	
	34-51-01-01	030-01094-0004	
	34-52-21-01	030-01094-0004	
	34-52-22-01	030-01094-0004	
	34-52-23-01	030-01094-0004	
PI510	CONNECTOR - Connects to UI510 Nav/Comm Unit located in audio panel.		
	34-50-11-01	030-01094-0060	
	34-50-11-02	030-01094-0060	
	34-50-12-01	030-01094-0060	
	34-50-12-02	030-01094-0060	
	34-50-12-03	030-01094-0060	
	34-50-13-01	030-01094-0060	
PI511	CONNECTOR - Connects to UI511 Nav/Comm Unit located in audio panel.		
	34-50-10-02	030-01094-0088	
	34-50-10-03	030-01094-0088	
	34-50-11-01	030-01094-0088	
	34-50-11-02	030-01094-0088	
	34-50-12-01	030-01094-0088	
	34-50-12-02	030-01094-0088	
	34-50-12-03	030-01094-0088	
	34-50-13-01	030-01094-0088	
	34-52-23-01	030-01094-0088	
	34-52-23-02	030-01094-0088	
	34-52-24-01	030-01094-0088	
	34-52-25-01	030-01094-0088	
	34-52-26-01	030-01094-0088	
	34-52-27-01	030-01094-0088	
PI512	CONNECTOR - Connects to UI512 Nav/Comm Unit located in audio panel.		
	34-50-20-02	030-01094-0088	
	34-50-20-03	030-01094-0088	
	34-52-23-01	030-01094-0088	
	34-52-23-02	030-01094-0088	
	34-52-24-01	030-01094-0088	
	34-52-25-01	030-01094-0088	
	34-52-26-01	030-01094-0088	
	34-52-27-01	030-01094-0088	

REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
PI516	CONNECTOR - Connects to UI516 Nav/Comm Unit located in audio panel.		
	22-10-42-01	030-01094-0058	
	22-10-43-01	030-01094-0058	
	22-10-44-01	030-01094-0058	
	22-10-45-01	030-01094-0058	
	23-50-10-03	030-01094-0058	
	23-50-10-04	030-01094-0058	
	23-50-20-03	030-01094-0058	
	23-50-21-02	030-01094-0058	
	23-50-21-03	030-01094-0058	
	34-40-01-01	030-01094-0058	
	34-50-10-03	030-01094-0058	
	34-50-11-02	030-01094-0058	
	34-50-12-02	030-01094-0058	
	34-50-12-03	030-01094-0058	
	34-50-20-03	030-01094-0058	
	34-51-01-02	030-01094-0058	
	34-52-24-01	030-01094-0058	
PI517	CONNECTOR - Connects to UI517 Nav/Comm Unit located in audio panel.		
	23-50-10-03	030-01094-0058	
	23-50-10-03	030-01094-0058	
	23-50-10-04	030-01094-0058	
	23-50-10-04	030-01094-0058	
	23-50-20-03	030-01094-0058	
	23-50-20-03	030-01094-0058	
	23-50-21-02	030-01094-0058	
	23-50-21-02	030-01094-0058	
	23-50-21-03	030-01094-0058	
	23-50-21-03	030-01094-0058	
PI600	CONNECTOR - Connects to UI600 KI209 Indicator located in audio panel.		
	34-50-10-01	030-02227-005	
PI601	CONNECTOR - Connects to UI601 KI208 Indicator located in audio panel.		
	34-50-10-02	030-02227-0005	
	34-50-10-03	030-02227-0005	
	34-50-20-01	030-02227-0005	
	34-50-20-02	030-02227-0005	
	34-50-20-03	030-02227-0005	
PI602	CONNECTOR - Connects to UI602 ADF Indicator located in right side of left instrument panel.		
	34-51-01-01	09-50-6155	
	34-51-01-02	09-50-6155	
	34-51-01-03	09-50-6155	
	34-51-02-01	09-50-6155	
	34-51-02-02	09-50-6155	
PI603	CONNECTOR - Connects to UI603 ADF Indicator located in right side of left instrument panel.		
	34-51-01-01	030-2000-0000	
	34-51-01-02	030-2000-0000	
PI604	CONNECTOR - Connects to UI604 ADF Indicator located in right side of left instrument panel.		
	22-10-30-01	030-01176-0000	
	22-10-32-01	030-01176-0000	
	22-10-41-01	030-01176-0000	
	22-10-43-01	030-01176-0000	
	22-10-44-01	030-01176-0000	
	34-50-11-02	030-01176-0000	
	34-50-12-01	030-01176-0000	
	34-52-21-01	030-01176-0000	
	34-52-23-01	030-01176-0000	
	34-52-23-02	030-01176-0000	
	34-52-24-01	030-01176-0000	
	34-52-27-01	030-01176-0000	

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REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY	REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
PI605	CONNECTOR - Connects to UI605 KI209 Indicator located in audio panel.	34-50-11-01	030-02227-0005	PI705	CONNECTOR - Connects to UI705 Relay Switching Unit located in right instrument panel.	22-10-31-01	RD50M10JVL0
						22-10-33-01	RD50M10JVL0
						22-10-40-01	RD50M10JVL0
						22-10-42-01	RD50M10JVL0
						22-10-45-01	RD50M10JVL0
						34-20-02-01	RD50M10JVL0
						34-20-02-02	RD50M10JVL0
						34-50-12-02	RD50M10JVL0
						34-50-12-03	RD50M10JVL0
						34-50-13-01	RD50M10JVL0
						34-52-22-01	RD50M10JVL0
						34-52-25-01	RD50M10JVL0
						34-52-26-01	RD50M10JVL0
							80694 & ON
							8113 & ON
				PI706	CONNECTOR	34-40-01-01	RD15F00JVL0
						34-52-26-01	RD15F00JVL0
						34-52-27-01	RD15F00JVL0
PI701	CONNECTOR - Connects to UI701 GPS Receiver located in audio panel.	22-10-44-01	030-03271-0000	PI800	CONNECTOR - Connects to UI800 KT-76C Transponder located in audio panel.	22-10-40-01	030-01094-0002
		22-10-45-01	030-03271-0000			22-10-41-01	030-01094-0002
		34-20-01-01	030-03271-0000			22-10-42-01	030-01094-0002
		34-20-01-02	030-03271-0000			22-10-43-01	030-01094-0002
		34-52-20-01	030-03271-0000			22-10-44-01	030-01094-0002
		34-52-20-02	030-03271-0000			22-10-45-01	030-01094-0002
		34-52-21-01	030-03271-0000			34-53-01-01	030-01094-0002
		34-52-22-01	030-03271-0000			34-53-01-02	030-01094-0002
		34-52-23-01	030-03271-0000			34-53-01-03	030-01094-0002
		34-52-23-01	030-03271-0000				
		34-52-23-02	030-03271-0000				
		34-52-24-01	030-03271-0000				
		34-52-25-01	030-03271-0000				
		34-52-25-01	030-03271-0000				
		34-52-26-01	030-03271-0000				
		34-52-26-01	030-03271-0000				
		34-52-27-01	030-03271-0000				
PI702	CONNECTOR - Connects to UI702 Nav/GPS Switch located in center instrument panel.	34-52-21-01	RD25F00JVL0				
		34-52-22-01	RD25F00JVL0				
		34-52-23-01	RD25F00JVL0				
PI703	CONNECTOR - Connects to UI703 Nav/GPS Switch located in center instrument panel.	34-52-23-02	RD9F00JVL0				
		34-52-24-01	RD9F00JVL0				
		34-52-25-01	RD9F00JVL0				
PI704	CONNECTOR - Connects to UI704 Relay Switching Unit located in right instrument panel.	22-10-31-01	RD50F10JVL0				
		22-10-33-01	RD50F10JVL0				
		22-10-40-01	RD50F10JVL0				
		22-10-42-01	RD50F10JVL0				
		22-10-45-01	RD50F10JVL0				
		34-20-02-01	RD50F10JVL0				
		34-20-02-02	RD50F10JVL0				
		34-50-12-02	RD50F10JVL0				
		34-50-12-03	RD50F10JVL0				
		34-50-13-01	RD50F10JVL0				
		34-52-22-01	RD50F10JVL0				
		34-52-25-01	RD50F10JVL0				
		34-52-26-01	RD50F10JVL0				
			80694 & ON				
			8113 & ON				

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PI900	CONNECTOR - Connects to Lighting Bus located behind audio panel.		
	22-10-02-01	S3070-9	
	22-10-02-02	S3070-9	
	22-10-02-03	S3070-9	
	22-10-30-01	S3070-9	
	22-10-31-01	S3070-9	
	22-10-32-01	S3070-9	
	22-10-33-01	S3070-9	
	22-10-40-01	S3070-9	
	22-10-41-01	S3070-9	
	22-10-42-01	S3070-9	
	22-10-43-01	S3070-9	
	22-10-44-01	S3070-9	
	22-10-45-01	S3070-9	
	22-10-46-01	S3070-9	
	22-10-47-01	S3070-9	
	23-50-10-01	S3070-9	
	23-50-10-02	S3070-9	
	23-50-10-03	S3070-9	
	23-50-10-04	S3070-9	
	23-50-20-01	S3070-9	
	23-50-20-02	S3070-9	
	23-50-20-03	S3070-9	
	23-50-21-01	S3070-9	
	23-50-21-02	S3070-9	
	23-50-21-03	S3070-9	
	23-50-22-01	S3070-9	
	23-50-24-01	S3070-9	
	23-50-24-02	S3070-9	
	23-50-24-03	S3070-9	
	34-20-01-01	S3070-9	
	34-20-01-02	S3070-9	
	34-20-05-01	S3070-9	
	34-20-05-02	S3070-9	
	34-50-10-01	S3070-9	
	34-50-10-02	S3070-9	
	34-50-10-03	S3070-9	
	34-50-11-01	S3070-9	
	34-50-11-02	S3070-9	
	34-50-12-01	S3070-9	
	34-50-12-02	S3070-9	
	34-50-12-03	S3070-9	
	34-50-13-01	S3070-9	
	34-50-20-01	S3070-9	
	34-50-20-02	S3070-9	
	34-50-20-03	S3070-9	
	34-51-01-01	S3070-9	
	34-51-01-02	S3070-9	
	34-51-02-01	S3070-9	
	34-51-02-02	S3070-9	
	34-52-20-01	S3070-9	
	34-52-20-02	S3070-9	
	34-52-21-01	S3070-9	
	34-52-22-01	S3070-9	
	34-52-23-01	S3070-9	
	34-52-23-02	S3070-9	
	34-52-24-01	S3070-9	
	34-52-25-01	S3070-9	
	34-52-26-01	S3070-9	
	34-52-27-01	S3070-9	
	34-53-01-01	S3070-9	
	34-53-01-02	S3070-9	
	34-53-01-03	S3070-9	

REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
PI901	CONNECTOR - Connects to Avionics Circuit Breaker Panel located in lower instrument panel.		
	21-20-01-02	S2349-1	
	21-20-01-03	S2349-1	
	24-62-11-02	S2349-1	
	24-62-11-03	S2349-1	
	24-62-20-01	S2349-1	
	24-62-21-01	S2349-1	
	24-62-22-01	S2349-1	
	24-62-23-01	S2349-1	
	24-62-24-01	S2349-1	
	24-62-25-01	S2349-1	
	24-62-26-01	S2349-1	
	24-62-27-01	S2349-1	
	24-62-28-01	S2349-1	
	24-62-29-01	S2349-1	
	24-62-30-01	S2349-1	
	24-62-31-01	S2349-1	
	24-62-32-01	S2349-1	
	24-62-33-01	S2349-1	
	24-62-34-01	S2349-1	
	24-62-35-01	S2349-1	
	34-50-10-02	S2349-1	
	34-50-10-03	S2349-1	
	34-50-11-01	S2349-1	
	34-50-11-02	S2349-1	
	34-50-12-01	S2349-1	
	34-50-20-02	S2349-1	
	34-50-20-03	S2349-1	
	34-51-01-01	S2349-1	
	34-51-01-02	S2349-1	
	34-53-01-02	S2349-1	
PI903	RETAINER ASSEMBLY		
	31-50-02-01	205980-1	
	31-50-02-02	205980-1	
PL002	CONNECTOR - Connects to UL002 Left Fuel Transmitter located at the left wing disconnect in wing root.		
	28-40-01-01	S1640-9	
	30-30-01-01	S1640-9	
	30-30-01-02	S1640-9	
	33-40-01-01	S1640-9	
	33-40-01-02	S1640-9	
	33-40-02-01	S1640-9	
	33-40-04-01	S1640-9	
	33-40-04-02	S1640-9	
	33-40-04-03	S1640-9	
	33-40-05-01	S1640-9	
	33-40-05-02	S1640-9	
	33-40-05-03	S1640-9	
PL002	CONNECTOR		
	33-40-01-03	S1640-12	
	33-40-01-04	S1640-12	
	33-40-01-05	S1640-12	
	33-40-02-02	S1640-12	
	33-40-02-03	S1640-12	
	33-40-02-04	S1640-12	
		81201 & ON	
		9569 & ON	
PL003	CONNECTOR - Connects to FL003 Left Navigation Light located in left wing tip.		
	33-40-01-01	S1637-1	
	33-40-01-02	S1637-1	
PL004	CONNECTOR - Connects to J1 Left Courtesy Light disconnect located in left wing tip.		
	33-40-04-01	S1637-1	
	33-40-04-02	S1637-1	
	33-40-04-03	S1637-1	

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PL005	CONNECTOR - Connects to UL001 Left Strobe Light Power Supply disconnect located in left wing tip. 33-40-02-01 33-40-02-02 33-40-02-03 33-40-02-04	S1637-1 S1637-1 S1637-1 S1637-1	
PL006	CONNECTOR - Connects to TL001 Pitot Heat located in left wing tip. 30-30-01-01 30-30-01-02	S1637-1 S1637-1	
PL007	CONNECTOR - Connects to TL001 Pitot Heat located in left wing tip. 30-30-01-01 30-30-01-02	S1637-1 S1637-1	
PL010	CONNECTOR KIT - In leading edge of left wing. 33-40-05-02 33-40-05-03	AEKTKSAD0409 AEKTKSAD0409	81234 & ON 9771 & ON
PL011	CONNECTOR KIT - In leading edge of left wing. 33-40-05-02 33-40-05-03	AEKTKSAD0409 AEKTKSAD0409	81234 & ON 9771 & ON
PL020	CONNECTOR - Connects to J2 Left Courtesy Light Disconnect located in left wing tip. 33-40-04-01 33-40-04-02 33-40-04-03	S1637-1 S1637-1 S1637-1	
PL301	CONNECTOR - Connects to UL301 Flux Transmitter located in left wing. 34-20-03-01 34-20-03-02	030-02190-0000 030-02190-0000	
PM300	CONNECTOR - Left wing disconnect located in left wing root. 34-10-01-01 34-10-01-02 34-20-02-01 34-20-02-02	206433-2 206433-2 206433-2 206433-2	80694 & ON 8113 & ON
PN025	CONNECTOR 77-40-01-01	6280-3SG-513	
PR001	CONNECTOR - Connects to JR001 Right Wing Disconnect located in right wing root. 27-50-01-01 27-50-01-02 27-50-01-03 28-40-01-01 33-40-01-01 33-40-01-02 33-40-01-03 33-40-01-04 33-40-01-05 33-40-02-01 33-40-02-02 33-40-02-03 33-40-02-04 33-40-04-01 33-40-04-02 33-40-04-03	S1640-9 S1640-9 S1640-9 S1640-9 S1640-9 S1640-9 S1640-9 S1640-9 S1640-9 S1640-9 S1640-9 S1640-9 S1640-9 S1640-9 S1640-9 S1640-9	

REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
PR002	CONNECTOR - Connects to FR001 Right Navigation Light located in right wing root. 33-40-01-01 33-40-01-02	S1637-1 S1637-1	
PR003	CONNECTOR - Connects to J1 Right Courtesy Light disconnect located in right wing tip. 33-40-04-01 33-40-04-02 33-40-04-03	S1637-1 S1637-1 S1637-1	
PR004	CONNECTOR - Connects to UR001 Right Strobe Light Power Supply located in right wing tip. 33-40-02-01 33-40-02-02 33-40-02-03 33-40-02-04	S1637-1 S1637-1 S1637-1 S1637-1	
PR005	CONNECTOR - Connects to JR005 Flap Actuator Disconnect located in right wing. 27-50-01-01 27-50-01-02 27-50-01-03	S2035-1 S2035-1 S2035-1	
PR006	CONNECTOR - Connects to MR001 Flap Motor located in right wing. 27-50-01-01 27-50-01-02 27-50-01-03	S1638-2 S1638-2 S1638-2	
PR007	CONNECTOR - Connects to JR007 Avionics Flap Actuator disconnect located in right wing. 22-10-01-03 22-10-01-04 27-50-01-02 27-50-01-03	S1638-1 S1638-1 S1638-1 S1638-1	
PR020	CONNECTOR - Connects to J2 Right Courtesy Light disconnect located in right wing tip. 33-40-04-01 33-40-04-02 33-40-04-03	S1637-1 S1637-1 S1637-1	
PR022	CONNECTOR - Connects to JR022 Flap Actuator Disconnect located in right wing. 27-50-01-01 27-50-01-02 27-50-01-03	S2035-1 S2035-1 S2035-1	
PR300	CONNECTOR - Connects to UR300 Roll Servo Actuator located in right wing. 22-10-01-01	030-2000-00	
PR301	CONNECTOR - Connects to UR300 Roll Servo Actuator located in right wing. 22-10-01-02 22-10-01-03 22-10-01-04	030-03248-0000 030-03248-0000 030-03248-0000	

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PS300	CONNECTOR - Connects to JS300 Roll Servo Actuator Wing disconnect located in right wing near root.		
	22-10-01-01	S1640-9	
	22-10-02-01	S1640-9	
	22-10-02-02	S1640-9	
	22-10-02-03	S1640-9	
	22-10-30-01	S1640-9	
	22-10-31-01	S1640-9	
	22-10-32-01	S1640-9	
	22-10-33-01	S1640-9	
	22-10-40-01	S1640-9	
	22-10-41-01	S1640-9	
	22-10-42-01	S1640-9	
	22-10-43-01	S1640-9	
	22-10-44-01	S1640-9	
	22-10-45-01	S1640-9	
	22-10-46-01	S1640-9	
	22-10-47-01	S1640-9	
PT001	CONNECTOR - Connects to J1 Power Converter Disconnect located in tail.		
	24-50-01-01	S1641-6	
	24-50-01-02	S1641-6	
PT1008	CONNECTOR		
	34-20-04-02	S3284-1	
PT1009	CONNECTOR		
	34-20-04-02	S3284-1	
PT1010	CONNECTOR		
	34-53-02-01	S3284-1	
	34-53-02-02	S3284-1	
			81241 & ON 9810 & ON
PT1011	CONNECTOR		
	23-50-25-01	S3284-1	
	23-50-25-02	S3284-1	
PT1012	CONNECTOR		
	23-50-25-01	S3284-1	
	23-50-25-02	S3284-1	
PT1013	CONNECTOR		
	23-50-25-01	S3284-1	
	23-50-25-02	S3284-1	
PT1014	CONNECTOR		
	23-50-25-01	S3284-1	
	23-50-25-02	S3284-1	
PT1015	CONNECTOR		
	23-50-25-01	S3284-1	
	23-50-25-02	S3284-1	
PT1016	CONNECTOR		
	23-50-25-01	S3284-1	
	23-50-25-02	S3284-1	
PT1017	CONNECTOR		
	23-50-25-01	S3284-1	
	23-50-25-02	S3284-1	
PT1018	CONNECTOR		
	23-50-25-01	S3284-1	
	23-50-25-02	S3284-1	
PT1019	CONNECTOR		
	23-50-25-01	S3284-1	
	23-50-25-02	S3284-1	

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PT1020	CONNECTOR		
	23-50-25-01	S3284-1	
	23-50-25-02	S3284-1	
PT1021	CONNECTOR		
	23-50-25-01	225555-6	
	23-50-25-02	225555-6	
PT1022	CONNECTOR		
	23-50-25-01	S3284-1	
	23-50-25-02	S3284-1	
PT1023	CONNECTOR		
	23-50-25-01	S3284-1	
	23-50-25-02	S3284-1	
PT1024	CONNECTOR		
	23-50-25-01	225555-6	
			81241 81356 9810 10431
PT1025	CONNECTOR		
	23-50-25-01	225555-6	
			81241 81356 9810 10431
PT1026	CONNECTOR		
	23-50-25-01	225555-6	
			81241 81356 9810 10431
PT1027	CONNECTOR		
	23-50-25-01	225555-6	
			81241 81356 9810 10431
PT1029	CONNECTOR		
	25-60-02-01	UG88C/U	
	25-60-03-01	UG88C/U	
	25-60-04-01	UG88C/U	
	25-60-05-01	UG88C/U	
	25-60-06-01	UG88C/U	
PT1030	CONNECTOR		
	25-60-02-01	UG913A/U	
	25-60-03-01	UG913A/U	
	25-60-04-01	UG913A/U	
	25-60-05-01	UG913A/U	
	25-60-06-01	UG913A/U	
PT1031	CONNECTOR		
	34-50-17-01	030-00005-0000	
	34-50-17-02	030-00005-0000	
PT300	CONNECTOR - Connects to UT300 Pitch Trim Actuator located in tail.		
	22-10-40-01	030-03248-0000	
	22-10-41-01	030-03248-0000	
	22-10-42-01	030-03248-0000	
	22-10-43-01	030-03248-0000	
	22-10-44-01	030-03248-0000	
	22-10-45-01	030-03248-0000	
	22-10-46-01	030-03248-0000	
	22-10-47-01	030-03248-0000	

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PT301	CONNECTOR - Connects to UT301 Pitch Trim Actuator located in tail.		
	22-10-40-01	030-03248-0000	
	22-10-41-01	030-03248-0000	
	22-10-42-01	030-03248-0000	
	22-10-43-01	030-03248-0000	
	22-10-44-01	030-03248-0000	
	22-10-45-01	030-03248-0000	
	22-10-46-01	030-03248-0000	
	22-10-47-01	030-03248-0000	
PT302	CONNECTOR KIT - Connects to UT302 Directional Gyro Unit located behind baggage compartment in tail.		
	34-20-02-01	050-01410-0002	
	34-20-02-02	050-01410-0002	
PT303	CONNECTOR - Connects to UT303 Navigation Converter located in tail.		
	23-50-24-01	030-01094-0051	
	23-50-24-02	030-01094-0051	
	23-50-24-03	030-01094-0051	
	34-50-12-02	030-01094-0051	
	34-50-12-02	030-01094-0051	
	34-50-13-01	030-01094-0051	
	34-50-13-01	030-01094-0051	
PT303	CONNECTOR		
	23-50-22-01	330-00185-62	
			81241 & ON
			9810 & ON
PT304	CONNECTOR		
	23-50-22-01	330-00185-78	
	23-50-24-01	330-00185-78	
	23-50-24-02	330-00185-78	
	23-50-24-03	330-00185-78	
	25-60-04-01	330-00185-78	
	25-60-06-01	330-00185-78	
	34-10-01-01	330-00185-78	
	34-10-01-02	330-00185-78	
	34-20-05-01	330-00185-78	
	34-20-05-02	330-00185-78	
	34-53-02-01	330-00185-78	
	34-53-02-02	330-00185-78	
			81241 & ON
			9810 & ON
PT305	CONNECTOR		
	23-50-22-01	330-00185-44	
	23-50-24-01	330-00185-44	
	23-50-24-02	330-00185-44	
	23-50-24-03	330-00185-44	
	23-50-25-01	330-00185-44	
	23-50-25-02	330-00185-44	
			81241 & ON
			9810 & ON
PT306	CONNECTOR		
	23-50-22-01	330-00185-62	
	23-50-24-01	330-00185-62	
	23-50-24-02	330-00185-62	
	23-50-24-03	330-00185-62	
			81241 & ON
			9810 & ON

REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
PT307	CONNECTOR		
	23-50-22-01	330-00185-78	
	23-50-24-01	330-00185-78	
	23-50-24-02	330-00185-78	
	23-50-24-03	330-00185-78	
	31-50-02-01	330-00185-78	
	31-50-02-02	330-00185-78	
	34-10-01-01	330-00185-78	
	34-10-01-02	330-00185-78	
	34-20-05-01	330-00185-78	
	34-20-05-02	330-00185-78	
	34-53-02-01	330-00185-78	
	34-53-02-02	330-00185-78	
			81241 & ON
			9810 & ON
PT309	CONNECTOR		
	23-50-25-01	330-00185-78	
	23-50-25-02	330-00185-78	
PT311	CONNECTOR		
	22-10-46-01	330-00185-44	
	22-10-47-01	330-00185-44	
	23-50-25-01	330-00185-44	
	23-50-25-02	330-00185-44	
PT312	CONNECTOR		
	22-10-46-01	330-00185-78	
	22-10-47-01	330-00185-78	
	23-50-25-01	330-00185-78	
	23-50-25-02	330-00185-78	
	34-51-02-01	330-00185-78	
	34-51-02-02	330-00185-78	
			81272 & ON
			10102 & ON
PT313	CONNECTOR		
	22-10-46-01	330-00185-78	
	22-10-47-01	330-00185-78	
	34-50-17-01	330-00185-78	
	34-50-17-02	330-00185-78	
	34-51-02-01	330-00185-78	
	34-51-02-02	330-00185-78	
			81241 & ON
			9810 & ON
PT314	CONNECTOR - connects to AHRS		
	34-10-01-01	011-00869-00	
	34-10-01-02	011-00869-00	
	34-20-05-01	011-00869-00	
	34-20-05-02	011-00869-00	
			81241 & ON
			9810 & ON
PT317	CONNECTOR		
	23-50-22-01	330-00185-44	
	23-50-22-01	330-00185-44	
	23-50-24-01	330-00185-44	
	23-50-24-01	330-00185-44	
	23-50-24-02	330-00185-44	
	23-50-24-02	330-00185-44	
	23-50-24-03	330-00185-44	
	23-50-24-03	330-00185-44	
	23-50-25-01	330-00185-44	
	23-50-25-02	330-00185-44	
			81241 & ON
			9810 & ON

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REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
PT318	CONNECTOR - connects to air data computer		
	34-10-01-01	011-01010-00	
	34-10-01-02	011-01010-00	
	34-20-05-01	011-01010-00	
	34-20-05-02	011-01010-00	
		81241 & ON	
		9810 & ON	
PT500	CONNECTOR - connected to datalink computer		
	23-21-01-01	011-00997-00	
	23-21-01-02	011-00997-00	
		81241 & ON	
		9810 & ON	
PT700	CONNECTOR		
	34-40-01-01	030-03296-0001	
PT701	CONNECTOR		
	34-40-01-01	030-01170-0000	
PT709	CONNECTOR		
	34-20-04-01	RD25F00JVL0	
	34-20-04-02	RD25F00JVL0	
PT801	CONNECTOR		
	34-50-17-01	030-01094-0056	
	34-50-17-02	030-01094-0056	
		81241 & ON	
		9810 & ON	
PT901	CONNECTOR		
	23-50-25-01	03-06-1023	
	23-50-25-02	03-06-1023	
PT902	CONNECTOR		
	23-21-01-02	SK2701	
	23-50-25-01	SK2701	
	23-50-25-02	SK2701	
	34-10-01-01	SK2701	
	34-10-01-02	SK2701	
	34-50-17-01	SK2701	
	34-50-17-02	SK2701	
	34-53-02-01	SK2701	
	34-53-02-02	SK2701	
		81241 & ON	
		9810 & ON	
PT903	CONNECTOR		
	22-10-46-01	SK2701	
	23-20-01-01	SK2701	
	23-21-01-01	SK2701	
	23-50-22-01	SK2701	
	23-50-24-01	SK2701	
	34-10-01-01	SK2701	
	34-10-01-02	SK2701	
	34-20-05-01	SK2701	
	34-53-02-01	SK2701	
		81241 81356	
		9810 10431	
PT905	CONNECTOR		
	25-60-06-01	151-5061	
PT906	CONNECTOR		
	25-60-03-01	S2340-15	
PT907	CONNECTOR		
	25-60-02-01	S3070-9	
	25-60-04-01	S3070-9	
PT908	CONNECTOR KIT		
	25-60-05-01	MS27473T12F35S	

REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
PV001	CONNECTOR - Connects to JV001 Vertical Tail Navigation Light located in base of vertical tail.		
	33-40-01-01	S1637-1	
	33-40-01-02	S1637-1	
	33-40-01-03	S1637-1	
	33-40-01-04	S1637-1	
	33-40-01-05	S1637-1	
PV002	CONNECTOR - Connects to FV001 Vertical Tail Navigation Light located in top of vertical tail.		
	33-40-01-01	S1637-1	
	33-40-01-02	S1637-1	
	33-40-01-03	S1637-1	
	33-40-01-04	S1637-1	
	33-40-01-05	S1637-1	
PV004	CONNECTOR - Connects to JV004 Beacon Light disconnect located in top of vertical tail.		
	33-40-03-01	S2035-1	
	33-40-03-02	S2035-1	
PV005	CONNECTOR - Connects to JV005 Vertical Tail disconnect located in base of vertical tail.		
	33-40-03-01	S2035-1	
	33-40-03-02	S2035-1	
PV1001	CONNECTOR - Connects to UV1001 Navigation Antenna located in top of vertical tail.		
	34-50-01-01	UG88C/U	
	34-50-01-02	UG88C/U	
PV1002	CONNECTOR - Connects to JV1002 Vertical Tail Navigation Antenna Coax located in base of vertical tail.		
	23-50-25-01	UG88C/U	
	23-50-25-02	UG88C/U	
	34-50-10-02	UG88C/U	
	34-50-10-03	UG88C/U	
	34-50-11-01	UG88C/U	
	34-50-11-02	UG88C/U	
	34-50-12-01	UG88C/U	
	34-50-12-02	UG88C/U	
	34-50-12-03	UG88C/U	
	34-50-13-01	UG88C/U	
PZ900	CONNECTOR - Connects to H1105 Wing Leveler Circuit Breaker located behind left instrument panel.		
	21-20-01-01	S2349-1	
	22-10-02-01	S2349-1	
	23-50-10-01	S2349-1	
	24-62-11-01	S2349-1	
	34-50-10-01	S2349-1	
	34-50-20-01	S2349-1	
	34-52-20-01	S2349-1	
PZ905	CONNECTOR - Connects to JZ905 ELT Switch/Indicator disconnect located in right instrument panel.		
	25-60-01-01	LMD-4001-S	
	25-60-01-02	LMD-4001-S	
	25-60-01-03	LMD-4001-S	
		80001 81097	
		8001 9062	
PZ906	CONNECTOR - Connects to JZ906 ELT Switch/Indicator disconnect located in right instrument panel.		
	25-60-01-04	S3556-5	
	25-60-01-05	S3556-5	

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REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
Q1	REGULATOR 33-10-08-01 33-10-08-02	NJM317F NJM317F	81234 & ON 9771 & ON
Q2	REGULATOR 33-10-08-02	NJM317F	81273 & ON 10103 & ON
Q1001	REGULATOR - Connects to P1029 Glareshield Light Regulator disconnect located behind center instrument panel. 33-10-01-03	NJM317F	
Q1002	REGULATOR 33-10-01-04	NJM317F	
QZ001	REGULATOR - In Dimming Control Module located behind center instrument panel. 33-10-07-01	LM350K	
QZ002	REGULATOR - In Dimming Control Module located behind center instrument panel. 33-10-07-01	LM350K	
QZ003	REGULATOR - In Dimming Control Module located behind center instrument panel. 33-10-07-01	LM350K	
R1	POTENTIOMETER - Located on Right Control Wheel. 27-10-01-01 27-10-01-02 33-10-02-01 33-10-02-02 33-10-02-03 33-10-02-04 33-10-02-05	S2619-1 S2619-1 S2619-1 S2619-1 S2619-1 S2619-1 S2619-1	80004 & ON 8001 & ON
R1	RESISTOR 77-40-01-01	RN65E4990B	
R1	POTENTIOMETER - Located on Right Control Wheel. 27-10-01-01	3852A162-152A	80001 80003
R2	RESISTOR 77-40-01-01	RN65E4990B	
R3	RESISTOR 77-40-01-01	RN55C1001F	
RC001	POTENTIOMETER 33-10-05-02 33-10-05-03	S2619-1 S2619-1	81234 81272 9771 10102
RC002	RESISTOR 33-10-05-02 33-10-05-03 33-10-05-04 33-10-05-05	CCF-5595R3F CCF-5595R3F CCF-5595R3F CCF-5595R3F	81234 & ON 9771 & ON

REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
RC003	RESISTOR - Cabin overhead 33-10-05-02 33-10-05-03 33-10-05-04 33-10-05-05	CCF-554320F CCF-554320F CCF-554320F CCF-554320F	81234 & ON 9771 & ON
RF002	RESISTOR - Cabin overhead 33-10-05-04 33-10-05-05	CCF-5595R3F CCF-5595R3F	81273 & ON 10103 & ON
RF003	RESISTOR - Cabin overhead 33-10-05-04 33-10-05-05	CCF-554320F CCF-554320F	81273 & ON 10103 & ON
RI001	RESISTOR - In Dimming Control Module located behind center instrument panel. 33-10-01-01 33-10-01-02 33-10-01-03	S2091-9 S2091-9 S2091-9	
RI002	RESISTOR - In Dimming Control Module located behind center instrument panel. 33-10-01-01 33-10-01-02 33-10-01-03	S2091-9 S2091-9 S2091-9	
RI004	RESISTOR - In Dimming Control Module located behind center instrument panel. 33-10-01-03	CCF-553740F	
RI005	RESISTOR - In Dimming Control Module located behind center instrument panel. 33-10-01-03	CCF-552611F	
RI006	RESISTOR 33-10-01-04	S1904-5	
RI007	RESISTOR 33-10-01-04	S1904-5	
RI008	RESISTOR 33-10-01-04	S1904-5	
RI009	RESISTOR 33-10-01-04	S1904-5	
RI011	RESISTOR 33-10-01-04	CCF-553740F	
RI012	RESISTOR 33-10-01-04	CCF-552611F	
RN001	MAGNETO - Located in engine compartment on back side of engine. 74-10-01-01 74-10-01-02 74-10-01-03	MS25171-1S MS25171-1S MS25171-1S	
RN002	MAGNETO - Located in engine compartment on back side of engine. 74-10-01-01 74-10-01-02 74-10-01-03	MS25171-1S MS25171-1S MS25171-1S	

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REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
RR001	RESISTOR - Connects to JR005 Avionics Flap Actuator disconnect located in right wing. 27-50-01-02 27-50-01-03	CCF-551002F CCF-551002F	
RR002	RESISTOR - Connects to JR005 Avionics Flap Actuator disconnect located in right wing. 27-50-01-02 27-50-01-03	CCF-551002F CCF-551002F	
RZ001	RESISTOR - In Dimming Control Module located behind center instrument panel. 33-10-07-01	CCF-552430F	80984 & ON 8704 & ON
RZ001	RESISTOR - In Dimming Control Module located behind center instrument panel. 33-10-07-01	RCR20G241JP	80001 80983 8001 8703
RZ002	RESISTOR - In Dimming Control Module located behind center instrument panel. 33-10-07-01	CCF-552430F	80984 & ON 8704 & ON
RZ002	RESISTOR - In Dimming Control Module located behind center instrument panel. 33-10-07-01	RCR20G241JP	80001 80983 8001 8703
RZ003	RESISTOR - In Dimming Control Module located behind center instrument panel. 33-10-07-01	CCF-552430F	80984 & ON 8704 & ON
RZ003	RESISTOR - In Dimming Control Module located behind center instrument panel. 33-10-07-01	RCR20G241JP	80001 80983 8001 8703
S1	SWITCH - Located on Pilot's and Copilot's Control Wheel. 27-10-01-01 27-10-01-02	S2870-1 S2870-1	80004 & ON 8001 & ON
S1	SWITCH - Located on Pilot's and Copilot's Control Wheel. 27-10-01-01	S1985-1	80001 80003
S2	SWITCH - Located on Pilot's Control Wheel on left side of cabin. 27-10-01-02	S2870-4	
S3	SWITCH - Located on Pilot's Control Wheel on left side of cabin. 27-10-01-02	7105P4YZQE	80831 & ON 8348 & ON
S4	SWITCH - Located on Pilot's Control Wheel on left side of cabin. 27-10-01-02	7105P4YZQE	80831 & ON 8348 & ON

REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
SC001	SWITCH - Located in the Overhead Console in cabin above copilot. 33-10-05-01	J20125-32	
SC002	SWITCH - Located in the Overhead Console in cabin above pilot. 33-10-05-01	J20125-32	
SC004	SWITCH - Located in the Overhead Console in cabin above passenger compartment. 33-10-05-01 33-10-05-02 33-10-05-03 33-10-05-04 33-10-05-05	J20125-32 J20125-32 J20125-32 J20125-32 J20125-32	
SI001	SWITCH - Located on instrument panel. 24-61-01-01 24-61-01-02	S3271-1-1 S3271-1-1	80001 80983 8001 8703
SI002	SWITCH - Located on instrument panel. 74-10-01-01 74-10-01-02 74-10-01-03	C292501-0109 C292501-0109 C292501-0109	
SI003	SWITCH - Connects to PC014 Annunciator Switch Disconnect located behind left instrument panel. 31-50-01-01	S1695-5	80001 80003
SI004	SWITCH - Connects to PC015 Annunciator Switch disconnect located behind left instrument panel. 31-50-01-02 31-50-01-03	S1696-5 S1696-5	80004 80883 8001 8402
SI005	SWITCH - Connects to PC015 Annunciator Switch Disconnect located behind left instrument panel. 31-50-01-04	S1696-6	80884 & ON 8403 & ON
SI007	SWITCH - Connects to PI001 Flap Handle disconnect located on lower instrument panel. 27-50-01-01 27-50-01-02 27-50-01-03	S1906-1 S1906-1 S1906-1	
SI008	SWITCH - Connects to PI001 Flap Handle disconnect located on lower instrument panel. 27-50-01-01 27-50-01-02 27-50-01-03	S1906-1 S1906-1 S1906-1	
SI009	SWITCH - Connects to JC001 Circuit Breaker Panel disconnect located on left instrument panel. 24-30-01-01 24-30-01-02 24-30-01-03 24-40-01-01 24-40-01-02 24-61-01-01 24-61-01-02 24-61-01-03 24-61-02-01	S3272-1-1 S3272-1-1 S3272-1-1 S3272-1-1 S3272-1-1 S3272-1-1 S3272-1-1 S3272-1-1 S3272-1-1	

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SI010	SWITCH - Connects to JC012 Avionics Circuit Breaker Panel located on lower instrument panel.		
	24-40-01-01	S3443-1-1	
	24-40-01-02	S3443-1-1	
	24-61-01-03	S3443-1-1	
	24-61-02-01	S3443-1-1	
			80984 & ON 8704 & ON
SI013	SWITCH - Pilots Control Panel		
	24-40-01-01	MS35058-22	
	24-40-01-02	MS35058-22	
SI014	SWITCH - Pilots Control Panel		
	24-40-01-01	MS35058-22	
	24-40-01-02	MS35058-22	
SI015	SWITCH - Pilots Control Panel		
	24-40-01-01	MS35058-22	
	24-40-01-02	MS35058-22	
SI016	SWITCH - Pilots Control Panel		
	24-40-01-01	MS35058-22	
	24-40-01-02	MS35058-22	
SI017	SWITCH - Pilots Control Panel		
	24-40-01-01	MS35058-22	
	24-40-01-02	MS35058-22	
SI018	SWITCH - Pilots Control Panel		
	24-40-01-01	MS35058-22	
	24-40-01-02	MS35058-22	
SI019	SWITCH - Pilots Control Panel		
	24-40-01-01	MS35058-22	
	24-40-01-02	MS35058-22	
SI021	SWITCH - Pilots Control Panel		
	24-40-01-01	MS35059-31	
	24-40-01-02	MS35059-31	
SI022	THERMOSTAT - Pilots Control Panel		
	24-40-01-01	4344-184-226	
	24-40-01-02	4344-184-226	
SI023	SWITCH - Pilots Control Panel		
	24-40-01-02	MS35058-22	
	24-50-01-04	MS35058-22	
SI302	ELT REMOTE SWITCH		
	25-60-02-01	455-6196	
	25-60-04-01	455-6196	
	25-60-06-01	455-6196	
SI900	INDICATOR - Connects to JZ905 Instrument Panel disconnect located behind left instrument panel.		
	25-60-01-01	3929110-2	
	25-60-01-02	3929110-2	
			80001 80983 8001 8703
SI900	SWITCH - Connects to JZ905 Instrument Panel disconnect located behind right instrument panel.		
	25-60-01-03	3929123-2	
			80984 81097 8704 9062
SI900	INDICATOR - Connects to JZ905 Instrument Panel disconnect located behind left instrument panel.		
	25-60-01-04	3929138-2	
	25-60-01-05	3929138-2	
			81098 & ON 9063 & ON

REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
SN001	SWITCH - Located in nose compartment on engine.		
	31-20-01-01	77041	
	31-20-01-02	77041	
			80001 80830 8001 8347
SN001	SWITCH - Located in nose compartment on engine.		
	31-20-01-02	83278	
	31-20-01-03	83278	
	31-20-01-04	83278	
	31-20-01-05	83278	
	77-40-01-01	83278	
			80831 & ON 8348 & ON
SN011	SWITCH - Located in nose compartment on firewall.		
	37-20-01-01	F7-16-4	
	37-20-01-02	F7-16-4	
SN012	SWITCH - Located in nose compartment on firewall.		
	37-20-01-01	F7-16-4	
	37-20-01-02	F7-16-4	
SR001	SWITCH - Located in right wing near flap motor.		
	27-50-01-01	S1493-2	
	27-50-01-02	S1493-2	
	27-50-01-03	S1493-2	
SR002	SWITCH - Located in right wing near flap motor.		
	27-50-01-01	S1493-2	
	27-50-01-02	S1493-2	
	27-50-01-03	S1493-2	
TF001	PROBE - Located in upper corner of windshield.		
	31-20-01-02	C307PRF-11	
	31-20-01-03	C307PRF-11	
	31-20-01-05	C307PRF-11	
			80301 81097 81143 & ON
TF001	PROBE - Located on top of cabin.		
	31-20-01-02	C307PS	
			80001 80300
TF001	PROBE - Located on top of cabin.		
	31-20-01-03	CNP-100-001	
			81098 81142
TF002	PROBE - Located on top of cabin.		
	31-20-01-04	CNP-100-001	
			81098 81142 9063 9288
TI001	THERMOCOUPLE ASSEMBLY		
	77-40-01-01	011-00981-00	
TL001	HEATER - Located in left wing.		
	30-30-01-01	0721105-12	
	30-30-01-02	0721105-12	
TL100	OUTSIDE AIR TEMPERATURE PROBE		
	34-10-01-01	011-00978-00	
	34-10-01-02	011-00978-00	
			81241 & ON 9810 & ON
UC005	BATTERY		
	24-30-01-03	AVT-200413	
UC1005	ANTENNA - Located on bottom of cabin.		
	34-53-01-02	C1105	

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UC1006	ANTENNA - Located on bottom of cabin. 34-53-01-01 34-53-01-03	C1105 C1105	
UC1007	ANTENNA - Located on bottom of cabin. 34-50-20-02 34-50-20-03	CI-128A CI-128A	
UC1008	ANTENNA - Located on bottom of cabin. 34-52-20-02 34-52-21-01 34-52-22-01 34-52-23-01 34-52-23-02 34-52-24-01 34-52-25-01 34-52-26-01 34-52-27-01	070-01553-0200 070-01553-0200 070-01553-0200 070-01553-0200 070-01553-0200 070-01553-0200 070-01553-0200 070-01553-0200	
UC300	SPEAKER - Located in overhead console in cabin. 23-50-10-01	C596504-0101	
UC500	SPEAKER - Located in overhead console in cabin. 23-50-10-02 23-50-10-03 23-50-10-04 23-50-20-01 23-50-20-02 23-50-20-03 23-50-21-01 23-50-21-02 23-50-21-03 23-50-22-01 23-50-24-01 23-50-24-02 23-50-24-03	C596504-0101 C596504-0101 C596504-0101 C596504-0101 C596504-0101 C596504-0101 C596504-0101 C596504-0101 C596504-0101 C596504-0101 C596504-0101 C596504-0101 C596504-0101	
UC600	ANTENNA - Located on bottom of cabin left of center line. 34-51-01-01 34-51-01-02	071-01234-0000 071-01234-0000	
UC800	ENCODING ALTIMETER - Forward of right instrument panel outboard side. 34-52-20-01 34-52-20-02 34-52-21-01 34-52-22-01 34-53-01-02	SSD120-20 SSD120-20 SSD120-20 SSD120-20 SSD120-20	80001 80700 8001 8114
UC800	ENCODING ALTIMETER - Forward of right instrument panel outboard side. 34-52-20-02 34-52-21-01 34-52-22-01 34-52-23-01 34-52-23-02 34-52-24-01 34-52-25-01 34-52-26-01 34-52-27-01 34-53-01-01 34-53-01-02 34-53-01-03	SSD120-30A SSD120-30A SSD120-30A SSD120-30A SSD120-30A SSD120-30A SSD120-30A SSD120-30A SSD120-30A SSD120-30A SSD120-30A SSD120-30A	80701 & ON 8115 & ON
UC901	COOLING FAN - Forward of left instrument panel. 21-20-01-01 21-20-01-02 21-20-01-03	4000014-002 4000014-002 4000014-002	

REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
UF005	FUEL PUMP - Below cockpit floor board near forward firewall. 73-10-01-01	5100-00-1	80001 80810 8001 8316
UF005	FUEL PUMP - Below cockpit floor board near forward firewall. 73-10-01-01	5100-00-3	80811 80991 8317 8722
UF005	FUEL PUMP - Below cockpit floor board near forward firewall. 73-10-01-01 73-10-01-02	5100-00-4 5100-00-4	80992 & ON 8723 & ON
UF1000	ANTENNA - Below baggage compartment on lower cabin. 23-50-10-01	CI102	
UF1001	ANTENNA - Below baggage compartment on lower cabin. 23-50-10-02 23-50-10-03 23-50-10-04 23-50-20-01 23-50-20-02 23-50-20-03 23-50-21-01 23-50-21-02 23-50-21-03	CI102 CI102 CI102 CI102 CI102 CI102 CI102 CI102 CI102	
UF1002	ANTENNA - Located on top of vertical tail. 34-50-10-02 34-50-10-03 34-50-11-01 34-50-11-02 34-50-12-01 34-50-12-02 34-50-12-03 34-50-13-01	CI-128A CI-128A CI-128A CI-128A CI-128A CI-128A CI-128A CI-128A	
UI001	POWER SUPPLY - Located behind instrument panel on far left side. 33-10-06-01	6900173	80001 80983 8001 8703
UI005	PANEL - Located on instrument panel above pilots altimeter 24-20-01-01 24-20-01-02 28-40-01-01 28-40-01-02 31-20-01-01 31-20-01-02 31-20-01-03 31-20-01-04 31-20-01-05 31-50-01-01 31-50-01-02 31-50-01-03 31-50-01-04 37-20-01-01 37-20-01-02 77-20-01-01	CSEWCA-01 CSEWCA-01 CSEWCA-01 CSEWCA-01 CSEWCA-01 CSEWCA-01 CSEWCA-01 CSEWCA-01 CSEWCA-01 CSEWCA-01 CSEWCA-01 CSEWCA-01 CSEWCA-01 CSEWCA-01 CSEWCA-01 CSEWCA-01 CSEWCA-01	80001 80983 8001 8703

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UI005	PANEL - Located on instrument panel above pilots altimeter		
	31-20-01-05	CSEWCA-03	
	31-50-01-04	CSEWCA-03	
		80984	& ON
		8348	& ON
UI006	TRANSDUCER - Located in nose compartment on engine.		
	79-30-01-01	P165-5281	
UI009	LED LIGHTED PANEL		
	33-10-01-04	9910607-3	
		81241	81272
		9810	10102
UI010	LED LIGHTED PANEL		
	33-10-01-04	9910609-1	
		81241	81271
		9810	10101
UI013	CONFIGURATION MODULE KIT		
	77-40-01-01	011-00979-00	
UI014	LED LIGHTED PANEL		
	33-10-01-04	9910610-1	
		81241	& ON
		9810	& ON
UI015	LED LIGHTED PANEL		
	33-10-01-04	9910609-2	
		81272	& ON
		10102	& ON
UI017	LED LIGHTED PANEL		
	33-10-01-04	9910607-5	
		81273	& ON
		10103	& ON
UI019	LED LIGHTED PANEL		
	33-10-01-04	9910610-2	
		81357	& ON
		10432	& ON
UI1003	COUPLER - Located behind pilot's side panel on left side of cabin.		
	34-50-10-01	S2473-1	
	34-50-11-01	S2473-1	
	34-50-11-02	S2473-1	
	34-50-12-01	S2473-1	
	34-50-12-02	S2473-1	
	34-50-12-03	S2473-1	
	34-50-13-01	S2473-1	
	34-50-20-01	S2473-1	
	34-50-20-02	S2473-1	
	34-50-20-03	S2473-1	
UI302	GYRO - Located in left instrument panel.		
	22-10-30-01	S3330-1	
	22-10-32-01	S3330-1	
	22-10-41-01	S3330-1	
	22-10-43-01	S3330-1	
	22-10-44-01	S3330-1	
UI308	INDICATOR - Located in left instrument panel.		
	22-10-31-01	066-03046-0007	
	22-10-33-01	066-03046-0007	
	22-10-40-01	066-03046-0007	
	22-10-42-01	066-03046-0007	
	22-10-45-01	066-03046-0007	
	34-20-02-01	066-03046-0007	
	34-20-02-02	066-03046-0007	

REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
UI309	INDICATOR - Located in left instrument panel.		
	22-10-31-01	066-3046-07	
	22-10-33-01	066-3046-07	
	22-10-40-01	066-3046-07	
	22-10-40-01	066-3046-07	
	22-10-42-01	066-3046-07	
	22-10-42-01	066-3046-07	
	22-10-45-01	066-3046-07	
	22-10-45-01	066-3046-07	
	34-20-02-01	066-3046-07	
	34-20-02-02	066-3046-07	
	34-50-12-02	066-3046-07	
	34-50-12-03	066-3046-07	
	34-50-13-01	066-3046-07	
UI310	SLAVING ACCESSORY		
	34-20-02-01	071-01242-0006	
	34-20-02-02	071-01242-0006	
UI311	SLAVING ACCESSORY		
	34-20-02-01	071-01242-0006	
	34-20-02-02	071-01242-0006	
UI503	INDICATOR - Located in left instrument panel.		
	34-50-20-01	S3100-157	
UI507	PANEL - Located on center instrument panel.		
	22-10-02-02	066-01155-0101	
	22-10-30-01	066-01155-0101	
	23-50-10-02	066-01155-0101	
	23-50-20-01	066-01155-0101	
	34-50-10-02	066-01155-0101	
	34-50-11-01	066-01155-0101	
	34-50-12-01	066-01155-0101	
	34-50-13-01	066-01155-0101	
	34-50-20-02	066-01155-0101	
	34-51-01-01	066-01155-0101	
	34-52-21-01	066-01155-0101	
		80001	80601
UI507	PANEL - Located on center instrument panel.		
	22-10-02-02	066-01155-0201	
	22-10-30-01	066-01155-0201	
	22-10-31-01	066-01155-0201	
	22-10-40-01	066-01155-0201	
	23-50-10-02	066-01155-0201	
	23-50-20-01	066-01155-0201	
	34-50-10-02	066-01155-0201	
	34-50-11-01	066-01155-0201	
	34-50-12-01	066-01155-0201	
	34-50-13-01	066-01155-0201	
	34-50-20-02	066-01155-0201	
	34-51-01-01	066-01155-0201	
	34-52-21-01	066-01155-0201	
	34-52-22-01	066-01155-0201	
		80602	80720
		8001	8189

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UI507	PANEL - Located on center instrument panel.		
	22-10-02-02	S3100-160	
	22-10-02-03	S3100-160	
	22-10-30-01	S3100-160	
	22-10-31-01	S3100-160	
	22-10-32-01	S3100-160	
	22-10-33-01	S3100-160	
	22-10-40-01	S3100-160	
	22-10-41-01	S3100-160	
	23-50-10-02	S3100-160	
	23-50-20-01	S3100-160	
	23-50-20-02	S3100-160	
	23-50-21-01	S3100-160	
	34-50-10-02	S3100-160	
	34-50-11-01	S3100-160	
	34-50-12-01	S3100-160	
	34-50-13-01	S3100-160	
	34-50-20-02	S3100-160	
	34-51-01-01	S3100-160	
	34-52-21-01	S3100-160	
	34-52-22-01	S3100-160	
	34-52-23-01	S3100-160	
			80721 80983 8190 8703
UI507	PANEL - Located on center instrument panel.		
	22-10-31-01	066-01176-0101	
	22-10-32-01	066-01176-0101	
	22-10-33-01	066-01176-0101	
			80984 & ON 8704 & ON
UI510	NAV/COMM WITH GLIDESLOPE - Located on audio panel.		
	34-50-11-01	069-01032-0101	
	34-50-12-01	069-01032-0101	
	34-50-13-01	069-01032-0101	
			80001 80720 8001 8189
UI510	NAV/COMM WITH GLIDESLOPE - Located on audio panel.		
	34-50-11-01	S3100-155	
	34-50-12-01	S3100-155	
	34-50-13-01	S3100-155	
			80721 80812 8190 8319
UI510	NAV/COMM WITH GLIDESLOPE - Located on audio panel.		
	34-50-11-01	S3100-178	
	34-50-11-02	S3100-178	
	34-50-12-01	S3100-178	
	34-50-12-02	S3100-178	
	34-50-12-03	S3100-178	
	34-50-13-01	S3100-178	
			80813 & ON 8320 & ON
UI511	NAV/COMM - Located on audio panel.		
	34-50-10-02	069-01032-0201	
	34-50-11-01	069-01032-0201	
	34-50-11-02	069-01032-0201	
	34-50-12-01	069-01032-0201	
	34-50-13-01	069-01032-0201	
			80001 80720 8001 8189

REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
UI511	NAV/COMM - Located on audio panel.		
	34-50-10-02	S3100-156	
	34-50-11-01	S3100-156	
	34-50-11-02	S3100-156	
	34-50-12-01	S3100-156	
	34-50-13-01	S3100-156	
	34-52-23-01	S3100-156	
			80721 80812 8190 8319
UI511	NAV/COMM - Located on audio panel.		
	34-50-10-02	S3100-179	
	34-50-10-03	S3100-179	
	34-50-11-01	S3100-179	
	34-50-11-02	S3100-179	
	34-50-12-01	S3100-179	
	34-50-12-02	S3100-179	
	34-50-12-03	S3100-179	
	34-50-13-01	S3100-179	
	34-52-23-01	S3100-179	
	34-52-23-02	S3100-179	
	34-52-24-01	S3100-179	
	34-52-25-01	S3100-179	
	34-52-26-01	S3100-179	
	34-52-27-01	S3100-179	
			80813 & ON 8320 & ON
UI512	NAV/COMM - Located on audio panel.		
	34-50-20-02	069-01032-0201	
			80001 80720 8001 8189
UI512	NAV/COMM - Located on audio panel.		
	34-50-20-02	S3100-156	
	34-52-23-01	S3100-156	
			80721 80812 8190 8319
UI512	NAV/COMM - Located on audio panel.		
	34-50-20-02	S3100-179	
	34-50-20-03	S3100-179	
	34-52-23-01	S3100-179	
	34-52-23-02	S3100-179	
	34-52-24-01	S3100-179	
	34-52-25-01	S3100-179	
	34-52-26-01	S3100-179	
	34-52-27-01	S3100-179	
			80813 & ON 8320 & ON
UI516	AUDIO PANEL - Located on center instrument panel.		
	22-10-42-01	3910310-19	
	22-10-43-01	3910310-19	
	22-10-44-01	3910310-19	
	22-10-45-01	3910310-19	
	23-50-10-03	3910310-19	
	23-50-10-04	3910310-19	
	23-50-20-03	3910310-19	
	23-50-21-02	3910310-19	
	23-50-21-03	3910310-19	
	34-40-01-01	3910310-19	
	34-50-10-03	3910310-19	
	34-50-11-02	3910310-19	
	34-50-12-02	3910310-19	
	34-50-12-03	3910310-19	
	34-50-20-03	3910310-19	
	34-51-01-02	3910310-19	
	34-52-24-01	3910310-19	
			80984 & ON 8704 & ON

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REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
UI601	INDICATOR - Located on left instrument panel.		
	34-50-10-02	S3100-157	
	34-50-10-03	S3100-157	
	34-50-20-01	S3100-157	
	34-50-20-02	S3100-157	
	34-50-20-03	S3100-157	
UI602	RECEIVER - Located on audio panel.		
	34-51-01-01	066-01072-0014	
	34-51-01-02	066-01072-0014	
UI603	INDICATOR - Located on left instrument panel.		
	34-51-01-01	066-03063-0000	
	34-51-01-02	066-03063-0000	
UI604	INDICATOR - Located on left instrument panel.		
	22-10-30-01	S3100-158	
	22-10-32-01	S3100-158	
	22-10-41-01	S3100-158	
	22-10-43-01	S3100-158	
	22-10-44-01	S3100-158	
	34-50-11-02	S3100-158	
	34-50-12-01	S3100-158	
	34-52-21-01	S3100-158	
	34-52-23-01	S3100-158	
	34-52-23-02	S3100-158	
	34-52-24-01	S3100-158	
	34-52-27-01	S3100-158	
			80780 & ON
			8262 & ON
UI605	INDICATOR		
	34-50-11-01	S3100-157	
UI700	RECEIVER - Located on audio panel.		
	34-52-20-01	066-01148-1111	
	34-52-20-02	066-01148-1111	
	34-52-21-01	066-01148-1111	
	34-52-22-01	066-01148-1111	
	34-52-22-01	066-01148-1111	
	34-52-23-01	066-01148-1111	
	34-52-23-01	066-01148-1111	
	34-52-24-01	066-01148-1111	
			80001 80983
			8001 8703
UI700	RECEIVER - Located on audio panel.		
	22-10-44-01	069-01034-0101	
	22-10-45-01	069-01034-0101	
	34-52-23-02	069-01034-0101	
	34-52-24-01	069-01034-0101	
	34-52-25-01	069-01034-0101	
	34-52-25-01	069-01034-0101	
	34-52-26-01	069-01034-0101	
	34-52-26-01	069-01034-0101	
	34-52-27-01	069-01034-0101	
			80984 & ON
			8704 & ON

REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
UI701	RECEIVER - Located on audio panel.		
	22-10-44-01	069-01034-0101	
	34-20-01-01	069-01034-0101	
	34-20-01-02	069-01034-0101	
	34-52-23-01	069-01034-0101	
	34-52-23-01	069-01034-0101	
	34-52-23-02	069-01034-0101	
	34-52-24-01	069-01034-0101	
	34-52-25-01	069-01034-0101	
	34-52-25-01	069-01034-0101	
	34-52-26-01	069-01034-0101	
	34-52-26-01	069-01034-0101	
	34-52-27-01	069-01034-0101	
			80978 & ON
			8704 & ON
UI701	RECEIVER - Located on audio panel.		
	22-10-45-01	066-01148-1111	
	34-52-20-01	066-01148-1111	
	34-52-20-02	066-01148-1111	
	34-52-21-01	066-01148-1111	
	34-52-22-01	066-01148-1111	
	34-52-23-01	066-01148-1111	
	34-52-23-01	066-01148-1111	
			80001 80977
			8001 8703
UI702	SELECTOR - Located on audio panel.		
	34-52-21-01	MD41-228	
	34-52-22-01	MD41-228	
	34-52-23-01	MD41-228	
			80001 80983
			8001 8703
UI800	TRANSPONDER - Located on audio panel.		
	22-10-40-01	066-01156-0101	
	22-10-41-01	066-01156-0101	
	22-10-42-01	066-01156-0101	
	22-10-43-01	066-01156-0101	
	22-10-44-01	066-01156-0101	
	22-10-45-01	066-01156-0101	
	34-53-01-01	066-01156-0101	
	34-53-01-02	066-01156-0101	
	34-53-01-03	066-01156-0101	
UL001	POWER SUPPLY - Located on left wing tip.		
	33-40-02-01	C622008-0102	
			80001 81200
			8001 9568
UL002	TRANSMITTER - Located near left wing disconnect.		
	28-40-01-01	S3331-2	
	28-40-01-02	S3331-2	
	77-40-01-01	S3331-2	
UL003	POWER SUPPLY - Left wing tip		
	33-40-02-02	01-0770006-17	
	33-40-02-03	01-0770006-17	
	33-40-02-04	01-0770006-17	
			81201 & ON
			9569 & ON
UL004	SIGNAL CONDITIONER		
	77-40-01-01	0570583-2	
UL005	BALLAST - In leading edge of left wing.		
	33-40-05-02	81007-1	
	33-40-05-03	81007-1	
			81234 & ON
			9771 & ON

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UL006	BALLAST - In leading edge of left wing. 33-40-05-02 33-40-05-03	81006-1 81006-1	81234 & ON 9771 & ON
UL301	FLUX DETECTOR - Located in left wing. 34-20-03-01 34-20-03-02	071-1052-00 071-1052-00	
UN002	BATTERY - Located behind baggage compartment in tail. 24-30-01-01 24-30-01-02 24-30-01-03	S1367-6-13 S1367-6-13 S1367-6-13	
UN003	TRANSDUCER - Located on engine in engine compartment. 77-20-01-01 77-20-01-02	P165-5282 P165-5282	
UN004	SENSOR - Located on top of engine. 77-40-01-01 79-30-01-01	S2335-1 S2335-1	
UN005	PROBE - Located on bottom right side of engine. 77-20-01-01 77-20-01-02	86316 86316	80001 81186 8001 9489
UN005	PROBE - Located on bottom right side of engine. 77-20-01-01 77-20-01-02	86317 86317	81187 & ON 9490 & ON
UR001	POWER SUPPLY - Located on right wing tip. 33-40-02-01	C622008-0102	80001 81200 8001 9568
UR002	TRANSMITTER - Located on right wing near wing root. 28-40-01-01	S3331-2	80001 80958 8001 8615
UR002	TRANSMITTER - Located on right wing near wing root. 28-40-01-01 28-40-01-02 77-40-01-01	S3594-1 S3594-1 S3594-1	80959 & ON 8616 & ON
UR003	POWER SUPPLY - Right wingtip 33-40-02-02 33-40-02-03 33-40-02-04	01-0770006-17 01-0770006-17 01-0770006-17	81201 & ON 9569 & ON
UR004	SIGNAL CONDITIONER 77-40-01-01	0570583-2	
UT300	ACTUATOR - Located in tailcone on left side. 22-10-40-01 22-10-41-01	065-00178-2200 065-00178-2200	8348 8422

REF DES	DESCRIPTION CH-SE-SU-FIG	PART NUMBER	EFFECTIVITY
UT300	ACTUATOR - Located in tailcone on left side. 22-10-40-01 22-10-41-01 22-10-42-01 22-10-43-01	S3100-180 S3100-180 S3100-180 S3100-180	80888 81110 8423 9068
UT300	ACTUATOR - Located in tailcone on left side. 22-10-42-01 22-10-43-01 22-10-44-01 22-10-45-01	S3100-253 S3100-253 S3100-253 S3100-253	81111 & ON 9069 & ON
UT301	ACTUATOR - Located in tailcone on left side. 22-10-42-01 22-10-43-01 22-10-44-01 22-10-45-01	S3100-253 S3100-253 S3100-253 S3100-253	81111 & ON 9069 & ON
UT301	ACTUATOR - Located in tailcone on left side. 22-10-40-01 22-10-41-01	065-00180-0400 065-00180-0400	80984 & ON 8348 8422
UT301	ACTUATOR - Located in tailcone on left side. 22-10-40-01 22-10-41-01	S3100-180 S3100-180	80888 81110 8423 9068
UT302	GYRO - Located on left instrument panel. 34-20-02-01 34-20-02-02	S3330-1 S3330-1	
UT303	CONVERTER - Located behind baggage compartment. 34-50-12-02 34-50-12-02 34-50-13-01 34-50-13-01	066-4009-00 066-4009-00 066-4009-00 066-4009-00	
UT900	TRANSMITTER - Located behind baggage compartment. 25-60-01-01 25-60-01-02 25-60-01-03 25-60-01-04	3000-11 3000-11 3000-11 3000-11	
UV1001	ANTENNA - Located on vertical tail. 34-50-01-01 34-50-01-02	C598504-0201 C598504-0201	
X1	TERMINAL BLOCK - Located in pilots control wheel assy 33-10-02-01	0560059-4	80001 80003
ZC001	MODULE - Located on left side of cabin in sidewall. 33-10-07-01	1570301-4	

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PART NUMBER	CH-SE-SU-FIG	REF DES	PART NUMBER	CH-SE-SU-FIG	REF DES
008-0041-00	22-10-02-01	GL100	030-00101-0002	34-50-13-01	PI1004
008-0041-00	23-50-10-01	GL100	030-00101-0002	34-50-20-01	PI1007
008-0041-00	34-50-10-01	GL100	030-00101-0002	34-50-20-01	PI1009
008-0041-00	34-50-20-01	GL100	030-00101-0002	34-50-20-02	PI1007
01-0770006-17	33-40-02-02	UL003	030-00101-0002	34-50-20-02	PI1009
01-0770006-17	33-40-02-02	UR003	030-00101-0002	34-50-20-03	PI1007
01-0770006-17	33-40-02-03	UL003	030-00101-0002	34-50-20-03	PI1009
01-0770006-17	33-40-02-03	UR003	030-00101-0002	34-52-20-01	PI1011
01-0770006-17	33-40-02-04	UL003	030-00101-0002	34-52-20-02	PI1011
01-0770006-17	33-40-02-04	UR003	030-00101-0002	34-52-21-01	PI1011
01-0770082-12	33-40-01-03	FL006	030-00101-0002	34-52-22-01	PI1011
01-0770082-12	33-40-01-04	FL006	030-00101-0002	34-52-23-01	PI1011
01-0770082-12	33-40-01-05	FL006	030-00101-0002	34-52-23-02	PI1011
01-0770082-13	33-40-01-03	FR004	030-00101-0002	34-52-24-01	PI1011
01-0770082-13	33-40-01-04	FR004	030-00101-0002	34-52-25-01	PI1011
01-0770082-13	33-40-01-05	FR004	030-00101-0002	34-52-26-01	PI1011
01-0770509-07	33-40-03-01	FV002	030-00101-0002	34-52-27-01	PI1011
01-0770509-07	33-40-03-02	FV002	030-00101-0002	34-52-21-01	PI1001
01-0770818-00	33-40-02-02	FL007	030-00101-0002	34-53-01-02	PI1001
01-0770818-00	33-40-02-02	FR005	030-00101-0002	34-53-01-03	PI1001
01-0770818-00	33-40-02-03	FL007	030-01094-0002	22-10-40-01	PI800
01-0770818-00	33-40-02-03	FR005	030-01094-0002	22-10-41-01	PI800
01-0770818-00	33-40-02-04	FL007	030-01094-0002	22-10-42-01	PI800
01-0770818-00	33-40-02-04	FR005	030-01094-0002	22-10-43-01	PI800
01-00820-00	23-20-01-01	PI312	030-01094-0002	22-10-44-01	PI800
01-00820-00	23-21-01-01	PI312	030-01094-0002	22-10-45-01	PI800
01-00820-00	23-21-01-02	PI312	030-01094-0002	34-53-01-01	PI800
01-00820-00	34-20-05-01	PI312	030-01094-0002	34-53-01-02	PI800
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01-00820-00	34-20-05-02	PI312	030-01094-0004	23-50-10-02	PI509
01-00820-00	34-20-05-02	PI312	030-01094-0004	23-50-20-01	PI509
01-00869-00	34-10-01-01	PT314	030-01094-0004	23-50-20-02	PI509
01-00869-00	34-10-01-02	PT314	030-01094-0004	23-50-21-01	PI509
01-00869-00	34-20-05-01	PT314	030-01094-0004	34-50-10-02	PI509
01-00869-00	34-20-05-02	PT314	030-01094-0004	34-50-11-01	PI509
01-00978-00	34-10-01-01	TL100	030-01094-0004	34-50-12-01	PI509
01-00978-00	34-10-01-02	TL100	030-01094-0004	34-50-13-01	PI509
01-00979-00	77-40-01-01	UI013	030-01094-0004	34-50-20-02	PI509
01-00981-00	77-40-01-01	TI001	030-01094-0004	34-51-01-01	PI509
01-00997-00	23-21-01-01	PT500	030-01094-0004	34-52-21-01	PI509
01-00997-00	23-21-01-02	PT500	030-01094-0004	34-52-22-01	PI509
01-01010-00	34-10-01-01	PT318	030-01094-0004	34-52-23-01	PI509
01-01010-00	34-10-01-02	PT318	030-01094-0051	23-50-24-01	PT303
01-01010-00	34-20-05-01	PT318	030-01094-0051	23-50-24-02	PT303
01-01010-00	34-20-05-02	PT318	030-01094-0051	23-50-24-03	PT303
030-00005-0000	34-50-17-01	PT1031	030-01094-0051	34-50-12-02	PT303
030-00005-0000	34-50-17-02	PT1031	030-01094-0051	34-50-12-02	PT303
030-00101-0000	34-51-01-01	PI1008	030-01094-0051	34-50-13-01	PT303
030-00101-0000	34-51-01-02	PI1008	030-01094-0051	34-50-13-01	PT303
030-00101-0000	34-51-01-03	PI1008	030-01094-0056	34-50-17-01	PT801
030-00101-0002	34-50-10-01	PI1000	030-01094-0056	34-50-17-02	PT801
030-00101-0002	34-50-10-01	PI1002	030-01094-0058	22-10-42-01	PI516
030-00101-0002	34-50-10-01	PI1004	030-01094-0058	22-10-43-01	PI516
030-00101-0002	34-50-10-02	PI1000	030-01094-0058	22-10-44-01	PI516
030-00101-0002	34-50-10-02	PI1004	030-01094-0058	22-10-45-01	PI516
030-00101-0002	34-50-10-03	PI1000	030-01094-0058	23-50-10-03	PI516
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030-00101-0002	34-50-11-02	PI1000	030-01094-0058	23-50-10-04	PI517
030-00101-0002	34-50-11-02	PI1002	030-01094-0058	23-50-10-04	PI517
030-00101-0002	34-50-11-02	PI1004	030-01094-0058	23-50-20-03	PI516
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030-00101-0002	34-50-12-03	PI1000	030-01094-0058	23-50-21-03	PI517
030-00101-0002	34-50-12-03	PI1002	030-01094-0058	34-40-01-01	PI516
030-00101-0002	34-50-12-03	PI1004	030-01094-0058	34-50-10-03	PI516
030-00101-0002	34-50-13-01	PI1000	030-01094-0058	34-50-11-02	PI516
030-00101-0002	34-50-13-01	PI1002	030-01094-0058	34-50-12-02	PI516

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PART NUMBER	CH-SE-SU-FIG	REF DES	PART NUMBER	CH-SE-SU-FIG	REF DES
030-01094-0058	34-50-12-03	PI516	030-01175-0000	22-10-46-01	PI303
030-01094-0058	34-50-20-03	PI516	030-01175-0000	22-10-46-01	PI303
030-01094-0058	34-51-01-02	PI516	030-01175-0000	22-10-47-01	PI303
030-01094-0058	34-52-24-01	PI516	030-01175-0000	22-10-47-01	PI303
030-01094-0060	34-50-11-01	PI510	030-01175-0000	22-10-47-01	PI303
030-01094-0060	34-50-11-02	PI510	030-01176-0000	22-10-30-01	PI304
030-01094-0060	34-50-12-01	PI510	030-01176-0000	22-10-30-01	PI304
030-01094-0060	34-50-12-02	PI510	030-01176-0000	22-10-30-01	PI604
030-01094-0060	34-50-12-03	PI510	030-01176-0000	22-10-31-01	PI304
030-01094-0060	34-50-13-01	PI510	030-01176-0000	22-10-31-01	PI304
030-01094-0088	34-50-10-02	PI511	030-01176-0000	22-10-32-01	PI304
030-01094-0088	34-50-10-03	PI511	030-01176-0000	22-10-32-01	PI304
030-01094-0088	34-50-11-01	PI511	030-01176-0000	22-10-32-01	PI604
030-01094-0088	34-50-11-02	PI511	030-01176-0000	22-10-33-01	PI304
030-01094-0088	34-50-12-01	PI511	030-01176-0000	22-10-33-01	PI304
030-01094-0088	34-50-12-02	PI511	030-01176-0000	22-10-40-01	PI304
030-01094-0088	34-50-12-03	PI511	030-01176-0000	22-10-40-01	PI304
030-01094-0088	34-50-13-01	PI511	030-01176-0000	22-10-41-01	PI304
030-01094-0088	34-50-20-02	PI512	030-01176-0000	22-10-41-01	PI604
030-01094-0088	34-50-20-03	PI512	030-01176-0000	22-10-42-01	PI304
030-01094-0088	34-52-23-01	PI511	030-01176-0000	22-10-42-01	PI304
030-01094-0088	34-52-23-01	PI512	030-01176-0000	22-10-42-01	PI304
030-01094-0088	34-52-23-02	PI511	030-01176-0000	22-10-43-01	PI304
030-01094-0088	34-52-23-02	PI512	030-01176-0000	22-10-43-01	PI304
030-01094-0088	34-52-24-01	PI511	030-01176-0000	22-10-43-01	PI604
030-01094-0088	34-52-24-01	PI512	030-01176-0000	22-10-44-01	PI304
030-01094-0088	34-52-25-01	PI511	030-01176-0000	22-10-44-01	PI304
030-01094-0088	34-52-25-01	PI512	030-01176-0000	22-10-44-01	PI604
030-01094-0088	34-52-26-01	PI511	030-01176-0000	22-10-45-01	PI304
030-01094-0088	34-52-26-01	PI512	030-01176-0000	22-10-45-01	PI304
030-01094-0088	34-52-27-01	PI511	030-01176-0000	22-10-46-01	PI304
030-01094-0088	34-52-27-01	PI512	030-01176-0000	22-10-46-01	PI304
030-01094-059	34-50-10-01	PI502	030-01176-0000	22-10-46-01	PI304
030-01094-059	34-50-20-01	PI503	030-01176-0000	22-10-47-01	PI304
030-01094-060	34-50-10-01	PI501	030-01176-0000	22-10-47-01	PI304
030-01170-0000	34-40-01-01	PT701	030-01176-0000	22-10-47-01	PI304
030-01171-0000	22-10-02-02	PI305	030-01176-0000	34-50-11-02	PI604
030-01171-0000	22-10-02-03	PI305	030-01176-0000	34-50-12-01	PI604
030-01171-0000	22-10-30-01	PI305	030-01176-0000	34-52-21-01	PI604
030-01171-0000	22-10-31-01	PI305	030-01176-0000	34-52-23-01	PI604
030-01171-0000	22-10-32-01	PI305	030-01176-0000	34-52-23-02	PI604
030-01171-0000	22-10-33-01	PI305	030-01176-0000	34-52-24-01	PI604
030-01171-0000	22-10-40-01	PI305	030-01176-0000	34-52-27-01	PI604
030-01171-0000	22-10-41-01	PI305	030-02153-0000	22-10-31-01	PI308
030-01171-0000	22-10-42-01	PI305	030-02153-0000	22-10-33-01	PI308
030-01171-0000	22-10-43-01	PI305	030-02153-0000	22-10-40-01	PI308
030-01171-0000	22-10-44-01	PI305	030-02153-0000	22-10-42-01	PI308
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030-01171-0000	22-10-46-01	PI305	030-02153-0000	34-20-02-01	PI308
030-01171-0000	22-10-47-01	PI305	030-02153-0000	34-20-02-02	PI308
030-01175-0000	22-10-02-01	PI300	030-02178-0000	22-10-31-01	PI309
030-01175-0000	22-10-02-02	PI303	030-02178-0000	22-10-33-01	PI309
030-01175-0000	22-10-02-03	PI303	030-02178-0000	22-10-40-01	PI309
030-01175-0000	22-10-30-01	PI303	030-02178-0000	22-10-40-01	PI309
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030-01175-0000	22-10-40-01	PI303	030-02178-0000	34-50-13-01	PI309
030-01175-0000	22-10-41-01	PI303	030-02190-0000	34-20-03-01	PL301
030-01175-0000	22-10-41-01	PI303	030-02190-0000	34-20-03-02	PL301
030-01175-0000	22-10-42-01	PI303	030-02227-0005	34-50-10-02	PI601
030-01175-0000	22-10-42-01	PI303	030-02227-0005	34-50-10-03	PI601
030-01175-0000	22-10-43-01	PI303	030-02227-0005	34-50-11-01	PI605
030-01175-0000	22-10-43-01	PI303	030-02227-0005	34-50-20-01	PI601
030-01175-0000	22-10-44-01	PI303	030-02227-0005	34-50-20-02	PI601
030-01175-0000	22-10-44-01	PI303	030-02227-0005	34-50-20-03	PI601
030-01175-0000	22-10-45-01	PI303	030-02227-005	34-50-10-01	PI600
030-01175-0000	22-10-45-01	PI303	030-02421-0000	34-20-02-01	PI310
030-01175-0000	22-10-46-01	PI303	030-02421-0000	34-20-02-01	PI311

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PART NUMBER	CH-SE-SU-FIG	REF DES	PART NUMBER	CH-SE-SU-FIG	REF DES
030-02421-0000	34-20-02-02	PI310	033-00230-0000	22-10-41-01	PI306
030-02421-0000	34-20-02-02	PI311	033-00230-0000	22-10-42-01	PI306
030-03248-0000	22-10-01-02	PR301	033-00230-0000	22-10-43-01	PI306
030-03248-0000	22-10-01-03	PR301	033-00230-0000	22-10-44-01	PI306
030-03248-0000	22-10-01-04	PR301	033-00230-0000	22-10-45-01	PI306
030-03248-0000	22-10-40-01	PT300	033-00230-0000	22-10-46-01	PI306
030-03248-0000	22-10-40-01	PT301	033-00230-0000	22-10-47-01	PI306
030-03248-0000	22-10-41-01	PT300	050-01410-0002	34-20-02-01	PT302
030-03248-0000	22-10-41-01	PT301	050-01410-0002	34-20-02-02	PT302
030-03248-0000	22-10-42-01	PT300	050-03392-0000	22-10-02-02	PI507
030-03248-0000	22-10-42-01	PT301	050-03392-0000	22-10-02-03	PI507
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030-03248-0000	22-10-47-01	PT300	050-03392-0000	22-10-40-01	PI507
030-03248-0000	22-10-47-01	PT301	050-03392-0000	22-10-40-01	PI508
030-03271-0000	22-10-44-01	PI700	050-03392-0000	22-10-41-01	PI507
030-03271-0000	22-10-45-01	PI700	050-03392-0000	22-10-41-01	PI508
030-03271-0000	34-52-20-01	PI700	050-03392-0000	23-50-10-02	PI507
030-03271-0000	34-52-20-02	PI700	050-03392-0000	23-50-10-02	PI508
030-03271-0000	34-52-21-01	PI700	050-03392-0000	23-50-20-01	PI507
030-03271-0000	34-52-22-01	PI700	050-03392-0000	23-50-20-01	PI508
030-03271-0000	34-52-22-01	PI700	050-03392-0000	23-50-20-02	PI507
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030-03271-0000	34-52-26-01	PI700	050-03392-0000	34-50-20-02	PI507
030-03271-0000	34-52-27-01	PI700	050-03392-0000	34-51-01-01	PI507
030-03272-0000	22-10-44-01	PI701	050-03392-0000	34-52-21-01	PI507
030-03272-0000	22-10-45-01	PI701	050-03392-0000	34-52-22-01	PI507
030-03272-0000	34-20-01-01	PI701	050-03392-0000	34-52-23-01	PI507
030-03272-0000	34-20-01-02	PI701	050-03605-0000	34-20-01-01	PI406
030-03272-0000	34-52-20-01	PI701	050-03605-0000	34-20-01-02	PI406
030-03272-0000	34-52-20-02	PI701	050-03605-0000	34-20-04-01	PI406
030-03272-0000	34-52-21-01	PI701	050-03605-0000	34-20-04-02	PI406
030-03272-0000	34-52-22-01	PI701	050-03605-0000	34-40-01-01	PI406
030-03272-0000	34-52-23-01	PI701	0508001-2	27-50-01-01	GR010
030-03272-0000	34-52-23-01	PI701	0508001-2	27-50-01-02	GR010
030-03272-0000	34-52-23-02	PI701	0508001-2	27-50-01-03	GR010
030-03272-0000	34-52-24-01	PI701	0508001-2	30-30-01-01	GL010
030-03272-0000	34-52-25-01	PI701	0508001-2	30-30-01-02	GL010
030-03272-0000	34-52-25-01	PI701	0508001-2	33-10-06-01	GF011
030-03272-0000	34-52-26-01	PI701	0508001-2	33-40-01-04	GL010
030-03272-0000	34-52-26-01	PI701	0508001-2	33-40-01-05	GL010
030-03272-0000	34-52-27-01	PI701	0508001-2	33-40-04-01	GL010
030-03296-0001	34-40-01-01	PT700	0508001-2	33-40-04-01	GR010
030-1094-58	22-10-02-01	PI500	0508001-2	33-40-04-02	GL010
030-1094-58	23-50-10-01	PI500	0508001-2	33-40-04-02	GR010
030-1094-58	34-50-10-01	PI500	0508001-2	33-40-04-03	GL010
030-1094-58	34-50-20-01	PI500	0508001-2	33-40-04-03	GR010
030-2000-00	22-10-01-01	PR300	0508001-2	33-40-05-02	GL010
030-2000-0000	34-51-01-01	PI603	0508001-2	33-40-05-03	GL010
030-2000-0000	34-51-01-02	PI603	0508001-2	73-10-01-01	GF011
03-06-1023	21-20-01-01	PC901	0508001-2	73-10-01-02	GF011
03-06-1023	21-20-01-02	PC901	0508001-2	77-40-01-01	GF011
03-06-1023	21-20-01-03	PC901	0508001-2	77-40-01-01	GL010
03-06-1023	23-50-25-01	PT901	0508001-2	77-40-01-01	GR010
03-06-1023	23-50-25-02	PT901	0521101-7	33-40-04-01	FL004
033-00230-0000	22-10-02-02	PI306	0521101-7	33-40-04-01	FR002
033-00230-0000	22-10-02-03	PI306	0521101-7	33-40-04-02	FL004
033-00230-0000	22-10-30-01	PI306	0521101-7	33-40-04-02	FR002
033-00230-0000	22-10-31-01	PI306	0521101-7	33-40-04-03	FL004
033-00230-0000	22-10-32-01	PI306	0521101-7	33-40-04-03	FR002
033-00230-0000	22-10-33-01	PI306	0560059-4	33-10-02-01	X1
033-00230-0000	22-10-40-01	PI306	0570583-2	77-40-01-01	UL004

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0570583-2	77-40-01-01	UR004	066-3046-07	22-10-45-01	UI309
065-00178-2200	22-10-40-01	UT300	066-3046-07	22-10-45-01	UI309
065-00178-2200	22-10-41-01	UT300	066-3046-07	34-20-02-01	UI309
065-00180-0400	22-10-40-01	UT301	066-3046-07	34-20-02-02	UI309
065-00180-0400	22-10-41-01	UT301	066-3046-07	34-50-12-02	UI309
066-01072-0014	34-51-01-01	UI602	066-3046-07	34-50-12-03	UI309
066-01072-0014	34-51-01-02	UI602	066-3046-07	34-50-13-01	UI309
066-01148-1111	22-10-45-01	UI701	066-4009-00	34-50-12-02	UT303
066-01148-1111	34-52-20-01	UI700	066-4009-00	34-50-12-02	UT303
066-01148-1111	34-52-20-01	UI701	066-4009-00	34-50-13-01	UT303
066-01148-1111	34-52-20-02	UI700	066-4009-00	34-50-13-01	UT303
066-01148-1111	34-52-20-02	UI701	069-01032-0101	34-50-11-01	UI510
066-01148-1111	34-52-21-01	UI700	069-01032-0101	34-50-12-01	UI510
066-01148-1111	34-52-21-01	UI701	069-01032-0101	34-50-13-01	UI510
066-01148-1111	34-52-22-01	UI700	069-01032-0201	34-50-10-02	UI511
066-01148-1111	34-52-22-01	UI701	069-01032-0201	34-50-11-01	UI511
066-01148-1111	34-52-22-01	UI700	069-01032-0201	34-50-11-02	UI511
066-01148-1111	34-52-23-01	UI700	069-01032-0201	34-50-12-01	UI511
066-01148-1111	34-52-23-01	UI701	069-01032-0201	34-50-13-01	UI511
066-01148-1111	34-52-23-01	UI700	069-01032-0201	34-50-20-02	UI512
066-01148-1111	34-52-23-01	UI701	069-01034-0101	22-10-44-01	UI700
066-01148-1111	34-52-24-01	UI700	069-01034-0101	22-10-44-01	UI701
066-01155-0101	22-10-02-02	UI507	069-01034-0101	22-10-45-01	UI700
066-01155-0101	22-10-30-01	UI507	069-01034-0101	34-20-01-01	UI701
066-01155-0101	23-50-10-02	UI507	069-01034-0101	34-20-01-02	UI701
066-01155-0101	23-50-20-01	UI507	069-01034-0101	34-52-23-01	UI701
066-01155-0101	34-50-10-02	UI507	069-01034-0101	34-52-23-01	UI701
066-01155-0101	34-50-11-01	UI507	069-01034-0101	34-52-23-02	UI700
066-01155-0101	34-50-12-01	UI507	069-01034-0101	34-52-23-02	UI701
066-01155-0101	34-50-13-01	UI507	069-01034-0101	34-52-24-01	UI700
066-01155-0101	34-50-20-02	UI507	069-01034-0101	34-52-24-01	UI701
066-01155-0101	34-51-01-01	UI507	069-01034-0101	34-52-25-01	UI700
066-01155-0101	34-52-21-01	UI507	069-01034-0101	34-52-25-01	UI701
066-01155-0201	22-10-02-02	UI507	069-01034-0101	34-52-25-01	UI700
066-01155-0201	22-10-30-01	UI507	069-01034-0101	34-52-25-01	UI701
066-01155-0201	22-10-31-01	UI507	069-01034-0101	34-52-26-01	UI700
066-01155-0201	22-10-40-01	UI507	069-01034-0101	34-52-26-01	UI701
066-01155-0201	23-50-10-02	UI507	069-01034-0101	34-52-26-01	UI700
066-01155-0201	23-50-20-01	UI507	069-01034-0101	34-52-26-01	UI701
066-01155-0201	34-50-10-02	UI507	069-01034-0101	34-52-27-01	UI700
066-01155-0201	34-50-11-01	UI507	069-01034-0101	34-52-27-01	UI701
066-01155-0201	34-50-12-01	UI507	070-01553-0200	34-52-20-02	UC1008
066-01155-0201	34-50-13-01	UI507	070-01553-0200	34-52-21-01	UC1008
066-01155-0201	34-50-20-02	UI507	070-01553-0200	34-52-22-01	UC1008
066-01155-0201	34-51-01-01	UI507	070-01553-0200	34-52-23-01	UC1008
066-01155-0201	34-52-21-01	UI507	070-01553-0200	34-52-23-02	UC1008
066-01155-0201	34-52-22-01	UI507	070-01553-0200	34-52-24-01	UC1008
066-01156-0101	22-10-40-01	UI800	070-01553-0200	34-52-25-01	UC1008
066-01156-0101	22-10-41-01	UI800	070-01553-0200	34-52-26-01	UC1008
066-01156-0101	22-10-42-01	UI800	070-01553-0200	34-52-27-01	UC1008
066-01156-0101	22-10-43-01	UI800	071-01234-0000	34-51-01-01	UC600
066-01156-0101	22-10-44-01	UI800	071-01234-0000	34-51-01-02	UC600
066-01156-0101	22-10-45-01	UI800	071-01242-0006	34-20-02-01	UI310
066-01156-0101	34-53-01-01	UI800	071-01242-0006	34-20-02-01	UI311
066-01156-0101	34-53-01-02	UI800	071-01242-0006	34-20-02-02	UI310
066-01156-0101	34-53-01-03	UI800	071-01242-0006	34-20-02-02	UI311
066-01176-0101	22-10-31-01	UI507	071-1052-00	34-20-03-01	UL301
066-01176-0101	22-10-32-01	UI507	071-1052-00	34-20-03-02	UL301
066-01176-0101	22-10-33-01	UI507	0721105-12	30-30-01-01	TL001
066-03046-0007	22-10-31-01	UI308	0721105-12	30-30-01-02	TL001
066-03046-0007	22-10-33-01	UI308	08-50-0114	33-10-01-03	PI029
066-03046-0007	22-10-40-01	UI308	08-50-0114	33-10-08-02	P3
066-03046-0007	22-10-42-01	UI308	09-50-6155	34-51-01-01	PI602
066-03046-0007	22-10-45-01	UI308	09-50-6155	34-51-01-02	PI602
066-03046-0007	34-20-02-01	UI308	09-50-6155	34-51-01-03	PI602
066-03046-0007	34-20-02-02	UI308	09-50-6155	34-51-02-01	PI602
066-03063-0000	34-51-01-01	UI603	09-50-6155	34-51-02-02	PI602
066-03063-0000	34-51-01-02	UI603	1.5KE18A	77-40-01-01	D1
066-3046-07	22-10-31-01	UI309	1.5KE18A	77-40-01-01	D2
066-3046-07	22-10-33-01	UI309	1-160759-1	24-50-01-02	PC022
066-3046-07	22-10-40-01	UI309	1-160759-1	24-50-01-03	PC022
066-3046-07	22-10-40-01	UI309	1-160759-1	24-50-01-04	PC022
066-3046-07	22-10-42-01	UI309	1394T100-10RA	33-10-03-01	EI004
066-3046-07	22-10-42-01	UI309	151-5061	25-60-06-01	PT905

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1570301-4	33-10-07-01	ZC001	1610-128-050A7	24-62-34-01	HI902
1610-128-050A7	21-20-01-02	HI906	1610-128-050A7	24-62-34-01	HI904
1610-128-050A7	21-20-01-03	HI906	1610-128-050A7	24-62-34-01	HI906
1610-128-050A7	24-62-11-02	HI904	1610-128-050A7	24-62-34-01	HI921
1610-128-050A7	24-62-11-02	HI906	1610-128-050A7	24-62-34-01	HI922
1610-128-050A7	24-62-11-03	HI904	1610-128-050A7	24-62-35-01	HI902
1610-128-050A7	24-62-11-03	HI906	1610-128-050A7	24-62-35-01	HI903
1610-128-050A7	24-62-20-01	HI902	1610-128-050A7	24-62-35-01	HI904
1610-128-050A7	24-62-20-01	HI903	1610-128-050A7	24-62-35-01	HI906
1610-128-050A7	24-62-20-01	HI904	1610-128-050A7	24-62-35-01	HI921
1610-128-050A7	24-62-20-01	HI906	1610-128-050A7	24-62-35-01	HI922
1610-128-050A7	24-62-21-01	HI902	1610-128-080A7	24-62-11-02	HI900
1610-128-050A7	24-62-21-01	HI903	1610-128-080A7	24-62-11-03	HI900
1610-128-050A7	24-62-21-01	HI904	1610-128-080A7	24-62-20-01	HI900
1610-128-050A7	24-62-21-01	HI905	1610-128-080A7	24-62-20-01	HI901
1610-128-050A7	24-62-21-01	HI906	1610-128-080A7	24-62-21-01	HI900
1610-128-050A7	24-62-22-01	HI902	1610-128-080A7	24-62-21-01	HI901
1610-128-050A7	24-62-22-01	HI903	1610-128-080A7	24-62-22-01	HI900
1610-128-050A7	24-62-22-01	HI904	1610-128-080A7	24-62-22-01	HI901
1610-128-050A7	24-62-22-01	HI905	1610-128-080A7	24-62-23-01	HI900
1610-128-050A7	24-62-22-01	HI906	1610-128-080A7	24-62-23-01	HI901
1610-128-050A7	24-62-23-01	HI902	1610-128-080A7	24-62-24-01	HI900
1610-128-050A7	24-62-23-01	HI903	1610-128-080A7	24-62-24-01	HI901
1610-128-050A7	24-62-23-01	HI904	1610-128-080A7	24-62-25-01	HI900
1610-128-050A7	24-62-23-01	HI905	1610-128-080A7	24-62-25-01	HI901
1610-128-050A7	24-62-23-01	HI906	1610-128-080A7	24-62-26-01	HI900
1610-128-050A7	24-62-23-01	HI911	1610-128-080A7	24-62-26-01	HI901
1610-128-050A7	24-62-24-01	HI902	1610-128-080A7	24-62-27-01	HI900
1610-128-050A7	24-62-24-01	HI904	1610-128-080A7	24-62-27-01	HI901
1610-128-050A7	24-62-24-01	HI906	1610-128-080A7	24-62-28-01	HI900
1610-128-050A7	24-62-25-01	HI902	1610-128-080A7	24-62-28-01	HI901
1610-128-050A7	24-62-25-01	HI903	1610-128-080A7	24-62-29-01	HI900
1610-128-050A7	24-62-25-01	HI904	1610-128-080A7	24-62-29-01	HI901
1610-128-050A7	24-62-25-01	HI906	1610-128-080A7	24-62-30-01	HI900
1610-128-050A7	24-62-26-01	HI902	1610-128-080A7	24-62-30-01	HI901
1610-128-050A7	24-62-26-01	HI904	1610-128-080A7	24-62-31-01	HI900
1610-128-050A7	24-62-26-01	HI906	1610-128-080A7	24-62-31-01	HI901
1610-128-050A7	24-62-27-01	HI902	1610-128-080A7	24-62-32-01	HI900
1610-128-050A7	24-62-27-01	HI903	1610-128-080A7	24-62-32-01	HI901
1610-128-050A7	24-62-27-01	HI904	1610-128-080A7	24-62-33-01	HI900
1610-128-050A7	24-62-27-01	HI906	1610-128-080A7	24-62-33-01	HI901
1610-128-050A7	24-62-28-01	HI902	1610-128-080A7	24-62-34-01	HI900
1610-128-050A7	24-62-28-01	HI904	1610-128-080A7	24-62-34-01	HI901
1610-128-050A7	24-62-28-01	HI906	1610-128-080A7	24-62-35-01	HI900
1610-128-050A7	24-62-28-01	HI911	1610-128-080A7	24-62-35-01	HI901
1610-128-050A7	24-62-29-01	HI902	1N4006	31-50-01-04	DI005
1610-128-050A7	24-62-29-01	HI903	1N4730A	34-20-02-01	DI300
1610-128-050A7	24-62-29-01	HI904	1N4730A	34-20-02-02	DI300
1610-128-050A7	24-62-29-01	HI906	1N6391	24-61-01-01	DI001
1610-128-050A7	24-62-29-01	HI911	1N6391	24-61-01-01	DI002
1610-128-050A7	24-62-30-01	HI902	1N6391	24-61-01-02	DI001
1610-128-050A7	24-62-30-01	HI904	1N6391	24-61-01-02	DI002
1610-128-050A7	24-62-30-01	HI906	1N6391	24-61-01-03	DI001
1610-128-050A7	24-62-30-01	HI921	1N6391	24-61-01-03	DI002
1610-128-050A7	24-62-30-01	HI922	1N6391	24-61-02-01	DI001
1610-128-050A7	24-62-31-01	HI902	1N6391	24-61-02-01	DI002
1610-128-050A7	24-62-31-01	HI903	1N6391	24-61-03-01	DI001
1610-128-050A7	24-62-31-01	HI904	1N6391	24-61-03-01	DI002
1610-128-050A7	24-62-31-01	HI906	1N6391	24-61-03-01	DI006
1610-128-050A7	24-62-31-01	HI921	1N6391	24-61-03-01	DI007
1610-128-050A7	24-62-31-01	HI922	200838-2	24-30-01-01	GI001
1610-128-050A7	24-62-32-01	HI902	200838-2	24-30-01-02	GI001
1610-128-050A7	24-62-32-01	HI904	200838-2	24-30-01-03	GI001
1610-128-050A7	24-62-32-01	HI906	200838-2	24-50-01-01	GI001
1610-128-050A7	24-62-32-01	HI911	200838-2	24-50-01-02	GI001
1610-128-050A7	24-62-32-01	HI921	200838-2	24-50-01-03	GI001
1610-128-050A7	24-62-32-01	HI922	200838-2	24-50-01-04	GI001
1610-128-050A7	24-62-33-01	HI902	200838-2	27-50-01-02	GI001
1610-128-050A7	24-62-33-01	HI903	200838-2	27-50-01-03	GI001
1610-128-050A7	24-62-33-01	HI904	200838-2	28-40-01-01	GI001
1610-128-050A7	24-62-33-01	HI906	200838-2	28-40-01-02	GI001
1610-128-050A7	24-62-33-01	HI911	200838-2	31-20-01-02	GI001
1610-128-050A7	24-62-33-01	HI921	200838-2	31-20-01-03	GI001
1610-128-050A7	24-62-33-01	HI922	200838-2	31-20-01-04	GI001

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200838-2	31-20-01-05	GI001	330-00185-44	23-50-24-01	PT305
200838-2	31-50-01-04	GI001	330-00185-44	23-50-24-01	PT317
200838-2	33-10-01-02	GI001	330-00185-44	23-50-24-01	PT317
200838-2	33-10-01-03	GI001	330-00185-44	23-50-24-02	PT305
200838-2	33-10-01-04	GI001	330-00185-44	23-50-24-02	PT317
200838-2	33-10-03-02	GI001	330-00185-44	23-50-24-02	PT317
200838-2	33-10-05-01	GI001	330-00185-44	23-50-24-03	PT305
200838-2	33-10-05-02	GI001	330-00185-44	23-50-24-03	PT317
200838-2	33-10-05-03	GI001	330-00185-44	23-50-24-03	PT317
200838-2	33-10-05-04	GI001	330-00185-44	23-50-25-01	PT305
200838-2	33-10-05-05	GI001	330-00185-44	23-50-25-01	PT311
200838-2	33-10-06-02	GI001	330-00185-44	23-50-25-01	PT317
200838-2	33-40-03-01	GI001	330-00185-44	23-50-25-02	PT305
200838-2	33-40-03-02	GI001	330-00185-44	23-50-25-02	PT311
200838-2	33-40-05-01	GI001	330-00185-44	23-50-25-02	PT317
200838-2	33-40-05-02	GI001	330-00185-62	23-50-22-01	PT303
200838-2	33-40-05-03	GI001	330-00185-62	23-50-22-01	PT305
200838-2	37-20-01-01	GI001	330-00185-62	23-50-24-01	PT306
200838-2	37-20-01-02	GI001	330-00185-62	23-50-24-02	PT306
200838-2	74-10-01-01	GI001	330-00185-62	23-50-24-03	PT306
200838-2	74-10-01-02	GI001	330-00185-78	22-10-46-01	PT312
200838-2	74-10-01-03	GI001	330-00185-78	22-10-46-01	PT313
200838-2	77-20-01-02	GI001	330-00185-78	22-10-47-01	PT312
200838-2	77-40-01-01	GI001	330-00185-78	22-10-47-01	PT313
200838-2	79-30-01-01	GI001	330-00185-78	23-50-22-01	PT304
205980-1	31-50-02-01	PI903	330-00185-78	23-50-22-01	PT307
205980-1	31-50-02-02	PI903	330-00185-78	23-50-24-01	PT304
206433-2	34-10-01-01	PM300	330-00185-78	23-50-24-01	PT307
206433-2	34-10-01-02	PM300	330-00185-78	23-50-24-02	PT304
206433-2	34-20-02-01	PM300	330-00185-78	23-50-24-02	PT307
206433-2	34-20-02-02	PM300	330-00185-78	23-50-24-03	PT304
206434-1	34-20-03-01	JM300	330-00185-78	23-50-24-03	PT307
206434-1	34-20-03-02	JM300	330-00185-78	23-50-25-01	PT309
225555-6	23-50-25-01	PT1021	330-00185-78	23-50-25-01	PT312
225555-6	23-50-25-01	PT1024	330-00185-78	23-50-25-02	PT309
225555-6	23-50-25-01	PT1025	330-00185-78	23-50-25-02	PT312
225555-6	23-50-25-01	PT1026	330-00185-78	25-60-04-01	PT304
225555-6	23-50-25-01	PT1027	330-00185-78	25-60-06-01	PT304
225555-6	23-50-25-02	PT1021	330-00185-78	31-50-02-01	PT307
225555-6	34-50-10-01	PI1006	330-00185-78	31-50-02-02	PT307
225555-6	34-50-11-01	PI1006	330-00185-78	34-10-01-01	PT304
225555-6	34-50-11-02	PI1006	330-00185-78	34-10-01-01	PT307
225555-6	34-50-12-01	PI1006	330-00185-78	34-10-01-02	PT304
225555-6	34-50-12-02	PI1006	330-00185-78	34-10-01-02	PT307
225555-6	34-50-12-03	PI1006	330-00185-78	34-20-05-01	PT304
225555-6	34-50-13-01	PI1006	330-00185-78	34-20-05-01	PT307
225555-6	34-52-20-01	PC1004	330-00185-78	34-20-05-02	PT304
225555-6	34-52-20-02	PC1008	330-00185-78	34-20-05-02	PT307
225555-6	34-52-21-01	PC1008	330-00185-78	34-50-17-01	PT313
225555-6	34-52-22-01	PC1008	330-00185-78	34-50-17-02	PT313
225555-6	34-52-23-01	PC1008	330-00185-78	34-51-02-01	PT312
225555-6	34-52-23-02	PC1008	330-00185-78	34-51-02-01	PT313
225555-6	34-52-24-01	PC1008	330-00185-78	34-51-02-02	PT312
225555-6	34-52-25-01	PC1008	330-00185-78	34-51-02-02	PT313
225555-6	34-52-26-01	PC1008	330-00185-78	34-53-02-01	PT304
225555-6	34-52-27-01	PC1008	330-00185-78	34-53-02-01	PT307
225559-2	23-50-25-01	PC1010	330-00185-78	34-53-02-02	PT304
225559-2	23-50-25-01	PF1010	330-00185-78	34-53-02-02	PT307
225559-2	23-50-25-02	PC1010	331178	23-50-10-01	PF1000
225559-2	23-50-25-02	PF1010	35RAPC4BH3	23-21-01-01	PC512
2-36153-2	33-40-02-03	GL010	35RAPC4BH3	23-21-01-02	PC512
2-36153-2	33-40-02-04	GL010	35RAPC4BH3	23-50-10-03	PC512
3000-11	25-60-01-01	UT900	35RAPC4BH3	23-50-20-03	PC512
3000-11	25-60-01-02	UT900	35RAPC4BH3	23-50-21-02	PC512
3000-11	25-60-01-03	UT900	35RAPC4BH3	23-50-24-03	PC512
3000-11	25-60-01-04	UT900	3852A162-152A	27-10-01-01	R1
31B22207	24-30-01-01	MN002	3910276-2	22-10-01-01	GS300
31B22207	24-30-01-02	MN002	3910276-2	22-10-01-02	GS300
31B22207	24-30-01-03	MN002	3910276-2	22-10-01-03	GS300
330-00185-44	22-10-46-01	PT311	3910276-2	22-10-01-04	GS300
330-00185-44	22-10-47-01	PT311	3910276-2	22-10-02-02	GS301
330-00185-44	23-50-22-01	PT305	3910276-2	22-10-02-03	GS301
330-00185-44	23-50-22-01	PT317	3910276-2	22-10-30-01	GS301
330-00185-44	23-50-22-01	PT317	3910276-2	22-10-30-01	GS301

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3910276-2	22-10-31-01	GS301	3910310-19	34-40-01-01	UI516
3910276-2	22-10-31-01	GS301	3910310-19	34-50-10-03	UI516
3910276-2	22-10-32-01	GS301	3910310-19	34-50-11-02	UI516
3910276-2	22-10-32-01	GS301	3910310-19	34-50-12-02	UI516
3910276-2	22-10-33-01	GS301	3910310-19	34-50-12-03	UI516
3910276-2	22-10-33-01	GS301	3910310-19	34-50-20-03	UI516
3910276-2	22-10-40-01	GS301	3910310-19	34-51-01-02	UI516
3910276-2	22-10-40-01	GS301	3910310-19	34-52-24-01	UI516
3910276-2	22-10-40-01	GS308	3929110-2	25-60-01-01	SI900
3910276-2	22-10-41-01	GS301	3929110-2	25-60-01-02	SI900
3910276-2	22-10-41-01	GS301	3929123-2	25-60-01-03	SI900
3910276-2	22-10-41-01	GS308	3929138-2	25-60-01-04	SI900
3910276-2	22-10-42-01	GS301	3929138-2	25-60-01-05	SI900
3910276-2	22-10-42-01	GS309	4000014-002	21-20-01-01	UC901
3910276-2	22-10-42-01	GS301	4000014-002	21-20-01-02	UC901
3910276-2	22-10-42-01	GS308	4000014-002	21-20-01-03	UC901
3910276-2	22-10-43-01	GS301	4344-184-226	24-40-01-01	SI022
3910276-2	22-10-43-01	GS309	4344-184-226	24-40-01-02	SI022
3910276-2	22-10-43-01	GS301	455-6196	25-60-02-01	SI302
3910276-2	22-10-43-01	GS308	455-6196	25-60-04-01	SI302
3910276-2	22-10-44-01	GS301	455-6196	25-60-06-01	SI302
3910276-2	22-10-44-01	GS309	4587	33-40-05-01	FL001
3910276-2	22-10-44-01	GS301	4594	33-40-05-01	FL002
3910276-2	22-10-44-01	GS308	4595-1	33-10-05-01	FC002
3910276-2	22-10-45-01	GS301	4595-1	33-10-05-01	FC003
3910276-2	22-10-45-01	GS309	4596	33-40-05-01	FL002
3910276-2	22-10-45-01	GS301	4596-1	33-10-05-01	FC005
3910276-2	22-10-45-01	GS308	4626	33-40-05-01	FL001
3910276-2	22-10-46-01	GS301	5100-00-1	73-10-01-01	UF005
3910276-2	22-10-46-01	GS301	5100-00-3	73-10-01-01	UF005
3910276-2	22-10-46-01	GS308	5100-00-4	73-10-01-01	UF005
3910276-2	22-10-46-01	GS301	5100-00-4	73-10-01-02	UF005
3910276-2	22-10-47-01	GS301	6100192-000	24-40-01-01	NZ001
3910276-2	22-10-47-01	GS301	6100192-000	24-40-01-02	NZ001
3910276-2	22-10-47-01	GS308	6280-3SG-513	77-40-01-01	PN025
3910276-2	22-10-47-01	GS301	6900173	33-10-06-01	UI001
3910276-2	23-50-10-03	GS309	7105P4YZQE	27-10-01-02	S3
3910276-2	23-50-10-04	GS309	7105P4YZQE	27-10-01-02	S4
3910276-2	23-50-20-03	GS309	7300248-1	33-10-06-02	FI007
3910276-2	23-50-21-02	GS309	7300248-2	33-10-06-01	FI002
3910276-2	23-50-21-03	GS309	745492-3	34-40-01-01	PF800
3910276-2	23-50-21-03	GS309	77041	31-20-01-01	SN001
3910276-2	24-50-01-02	GS901	77041	31-20-01-02	SN001
3910276-2	25-60-01-01	GS901	770585-1	24-20-01-01	JIO06
3910276-2	25-60-01-02	GS901	770585-1	24-20-01-02	JIO06
3910276-2	25-60-01-03	GS901	770585-1	28-40-01-01	JIO06
3910276-2	25-60-01-04	GS901	770585-1	28-40-01-02	JIO06
3910276-2	25-60-02-01	GS901	770585-1	31-20-01-01	JIO06
3910276-2	34-20-02-01	GS901	770585-1	31-20-01-02	JIO06
3910276-2	34-20-02-02	GS901	770585-1	31-20-01-03	JIO06
3910276-2	34-20-04-01	GS901	770585-1	31-20-01-04	JIO06
3910276-2	34-20-04-02	GS901	770585-1	31-20-01-05	JIO06
3910276-2	34-40-01-01	GS309	770585-1	31-50-01-01	JIO06
3910276-2	34-40-01-01	GS901	770585-1	31-50-01-02	JIO06
3910276-2	34-50-10-03	GS309	770585-1	31-50-01-03	JIO06
3910276-2	34-50-11-02	GS309	770585-1	31-50-01-04	JIO06
3910276-2	34-50-12-02	GS309	770585-1	37-20-01-01	JIO06
3910276-2	34-50-12-02	GS901	770585-1	37-20-01-02	JIO06
3910276-2	34-50-12-02	GS901	770585-1	77-20-01-01	JIO06
3910276-2	34-50-12-03	GS309	796753-1	33-40-02-03	AL001
3910276-2	34-50-13-01	GS901	796753-1	33-40-02-04	AL001
3910276-2	34-50-13-01	GS901	81006-1	33-40-05-02	UL006
3910276-2	34-50-20-03	GS309	81006-1	33-40-05-03	UL006
3910276-2	34-51-01-02	GS309	81007-1	33-40-05-02	UL005
3910276-2	34-52-24-01	GS309	81007-1	33-40-05-03	UL005
3910310-19	22-10-42-01	UI516	81008-1	33-40-05-02	FL008
3910310-19	22-10-43-01	UI516	81008-1	33-40-05-03	FL008
3910310-19	22-10-44-01	UI516	81009-1	33-40-05-02	FL009
3910310-19	22-10-45-01	UI516	81009-1	33-40-05-03	FL009
3910310-19	23-50-10-03	UI516	81010-1	33-40-05-02	FL008
3910310-19	23-50-10-04	UI516	81010-1	33-40-05-03	FL008
3910310-19	23-50-20-03	UI516	81011-1	33-40-05-02	FL009
3910310-19	23-50-21-02	UI516	81011-1	33-40-05-03	FL009
3910310-19	23-50-21-03	UI516	83278	31-20-01-02	SN001

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83278	31-20-01-03	SN001	C301002-0110	27-50-01-02	MR001
83278	31-20-01-04	SN001	C301002-0110	27-50-01-03	MR001
83278	31-20-01-05	SN001	C307PRF-11	31-20-01-02	TF001
83278	77-40-01-01	SN001	C307PRF-11	31-20-01-03	TF001
86316	77-20-01-01	UN005	C307PRF-11	31-20-01-05	TF001
86316	77-20-01-02	UN005	C307PS	31-20-01-02	TF001
86317	77-20-01-01	UN005	C596504-0101	23-50-10-01	UC300
86317	77-20-01-02	UN005	C596504-0101	23-50-10-02	UC500
97-4106A14S-5S	22-10-02-02	PI307	C596504-0101	23-50-10-03	UC500
97-4106A14S-5S	22-10-02-03	PI307	C596504-0101	23-50-10-04	UC500
97-4106A14S-5S	22-10-30-01	PI307	C596504-0101	23-50-20-01	UC500
97-4106A14S-5S	22-10-31-01	PI307	C596504-0101	23-50-20-02	UC500
97-4106A14S-5S	22-10-32-01	PI307	C596504-0101	23-50-20-03	UC500
97-4106A14S-5S	22-10-33-01	PI307	C596504-0101	23-50-21-01	UC500
97-4106A14S-5S	22-10-40-01	PI307	C596504-0101	23-50-21-02	UC500
97-4106A14S-5S	22-10-41-01	PI307	C596504-0101	23-50-21-03	UC500
97-4106A14S-5S	22-10-42-01	PI307	C596504-0101	23-50-22-01	UC500
97-4106A14S-5S	22-10-43-01	PI307	C596504-0101	23-50-24-01	UC500
97-4106A14S-5S	22-10-44-01	PI307	C596504-0101	23-50-24-02	UC500
97-4106A14S-5S	22-10-45-01	PI307	C596504-0101	23-50-24-03	UC500
97-4106A14S-5S	22-10-46-01	PI307	C598504-0201	34-50-01-01	UV1001
97-4106A14S-5S	22-10-47-01	PI307	C598504-0201	34-50-01-02	UV1001
9910591-11	24-20-01-01	MN001	C622001-0102	33-40-01-01	FV001
9910591-11	24-20-01-02	MN001	C622001-0102	33-40-01-02	FV001
9910591-11	24-20-01-03	MN001	C622001-0201	33-40-01-01	FL003
9910591-5	24-20-01-01	MN001	C622001-0201	33-40-01-01	FR001
9910607-3	33-10-01-04	UI009	C622001-0201	33-40-01-02	FR001
9910607-5	33-10-01-04	UI017	C622001-0201	33-40-01-02	FR001
9910609-1	33-10-01-04	UI010	C622003-0101	33-40-02-01	FL005
9910609-2	33-10-01-04	UI015	C622003-0101	33-40-02-01	FR003
9910610-1	33-10-01-04	UI014	C622008-0102	33-40-02-01	UL001
9910610-2	33-10-01-04	UI019	C622008-0102	33-40-02-01	UR001
A2101	24-20-01-01	ACU	C660501-0103	33-10-01-01	FC001
A2101	24-20-01-02	ACU	C660501-0103	33-10-01-02	FC001
A2101	24-20-01-03	ACU	C660501-0103	33-10-01-03	FC001
A2101	24-30-01-01	ACU	C660501-0103	33-10-01-04	FC001
A2101	24-30-01-02	ACU	CCF-551002F	27-50-01-02	RR001
A2101	24-30-01-03	ACU	CCF-551002F	27-50-01-02	RR002
AEKTKSAD0404	77-40-01-01	PF003	CCF-551002F	27-50-01-03	RR001
AEKTKSAD0409	33-40-05-02	PL010	CCF-551002F	27-50-01-03	RR002
AEKTKSAD0409	33-40-05-02	PL011	CCF-552430F	33-10-07-01	RZ001
AEKTKSAD0409	33-40-05-03	PL010	CCF-552430F	33-10-07-01	RZ002
AEKTKSAD0409	33-40-05-03	PL011	CCF-552430F	33-10-07-01	RZ003
AGC5	24-20-01-01	F4	CCF-552611F	33-10-01-03	RI005
AGC5	24-20-01-02	F4	CCF-552611F	33-10-01-04	RI012
AGC5	24-20-01-03	F4	CCF-553740F	33-10-01-03	RI004
AGC5	24-30-01-01	F4	CCF-553740F	33-10-01-04	RI011
AGC5	24-30-01-02	F4	CCF-554320F	33-10-05-02	RC003
AGC5	24-30-01-03	F4	CCF-554320F	33-10-05-03	RC003
AN5-4A	24-20-01-01	GN008	CCF-554320F	33-10-05-04	RC003
AN5-4A	24-20-01-02	GN008	CCF-554320F	33-10-05-04	RF003
AN5-4A	24-20-01-03	GN008	CCF-554320F	33-10-05-05	RC003
AN5-4A	24-30-01-01	GN008	CCF-554320F	33-10-05-05	RF003
AN5-4A	24-30-01-02	GN008	CCF-5595R3F	33-10-05-02	RC002
AN5-4A	24-30-01-03	GN008	CCF-5595R3F	33-10-05-03	RC002
AT432000	31-20-01-01	EI002	CCF-5595R3F	33-10-05-04	RC002
AT432000	31-20-01-04	EI029	CCF-5595R3F	33-10-05-04	RF002
AT432000	33-10-04-01	EI002	CCF-5595R3F	33-10-05-05	RC002
ATC-30	24-20-01-01	F1	CCF-5595R3F	33-10-05-05	RF002
ATC-30	24-20-01-01	F2	CI102	23-50-10-01	UF1000
ATC-30	24-20-01-02	F1	CI102	23-50-10-02	UF1001
ATC-30	24-20-01-02	F2	CI102	23-50-10-03	UF1001
ATC-30	24-30-01-01	F1	CI102	23-50-10-04	UF1001
ATC-30	24-30-01-01	F2	CI102	23-50-20-01	UF1001
ATC-30	24-30-01-02	F1	CI102	23-50-20-02	UF1001
ATC-30	24-30-01-03	F1	CI102	23-50-20-03	UF1001
AVT-200413	24-30-01-03	UC005	CI102	23-50-21-01	UF1001
C1105	34-53-01-01	UC1006	CI102	23-50-21-02	UF1001
C1105	34-53-01-02	UC1005	CI102	23-50-21-03	UF1001
C1105	34-53-01-03	UC1006	CI-128A	34-50-10-02	UF1002
C292501-0109	74-10-01-01	SI002	CI-128A	34-50-10-03	UF1002
C292501-0109	74-10-01-02	SI002	CI-128A	34-50-11-01	UF1002
C292501-0109	74-10-01-03	SI002	CI-128A	34-50-11-02	UF1002
C301002-0110	27-50-01-01	MR001	CI-128A	34-50-12-01	UF1002

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CI-128A	34-50-12-02	UF1002	CSR13-2356	33-10-07-01	CZ004
CI-128A	34-50-12-03	UF1002	D01PB406NT-837	22-10-30-01	PI302
CI-128A	34-50-13-01	UF1002	D01PB406NT-837	22-10-32-01	PI302
CI-128A	34-50-20-02	UC1007	D01PB406NT-837	22-10-41-01	PI302
CI-128A	34-50-20-03	UC1007	D01PB406NT-837	22-10-43-01	PI302
CM3589-10	24-61-01-01	HI001	D01PB406NT-837	22-10-44-01	PI302
CM3589-10	24-61-01-01	HI013	D02EEBFRTAH-0022	24-50-01-01	JC008
CM3589-10	24-61-01-02	HI001	F53-0003	24-20-01-01	F1
CM3589-10	24-61-01-02	HI013	F53-0003	24-20-01-01	F2
CM3589-10	24-61-01-03	HI001	F53-0003	24-20-01-02	F1
CM3589-10	24-61-01-03	HI013	F53-0003	24-20-01-02	F2
CM3589-10	24-61-02-01	HI001	F53-0003	24-20-01-02	F3
CM3589-10	24-61-02-01	HI013	F53-0003	24-20-01-03	F1
CM3589-10	33-40-05-01	HI001	F53-0003	24-20-01-03	F2
CM3589-10	33-40-05-01	HI013	F53-0003	24-20-01-03	F3
CM3589-10	33-40-05-02	HI001	F53-0003	24-30-01-01	F1
CM3589-10	33-40-05-02	HI013	F53-0003	24-30-01-02	F1
CM3589-5	24-61-01-01	HI002	F53-0003	24-30-01-02	F2
CM3589-5	24-61-01-01	HI004	F53-0003	24-30-01-02	F3
CM3589-5	24-61-01-01	HI005	F53-0003	24-30-01-03	F1
CM3589-5	24-61-01-01	HI006	F53-0003	24-30-01-03	F2
CM3589-5	24-61-01-01	HI012	F53-0003	24-30-01-03	F3
CM3589-5	24-61-01-02	HI002	F7-16-4	37-20-01-01	SN011
CM3589-5	24-61-01-02	HI004	F7-16-4	37-20-01-01	SN012
CM3589-5	24-61-01-02	HI005	F7-16-4	37-20-01-02	SN011
CM3589-5	24-61-01-02	HI006	F7-16-4	37-20-01-02	SN012
CM3589-5	24-61-01-02	HI012	J20125-32	33-10-05-01	SC001
CM3589-5	24-61-01-03	HI002	J20125-32	33-10-05-01	SC002
CM3589-5	24-61-01-03	HI004	J20125-32	33-10-05-01	SC004
CM3589-5	24-61-01-03	HI005	J20125-32	33-10-05-02	SC004
CM3589-5	24-61-01-03	HI006	J20125-32	33-10-05-03	SC004
CM3589-5	24-61-01-03	HI012	J20125-32	33-10-05-04	SC004
CM3589-5	24-61-02-01	HI002	J20125-32	33-10-05-05	SC004
CM3589-5	24-61-02-01	HI004	KTKSAD10280X3	24-20-01-02	PB019
CM3589-5	24-61-02-01	HI005	KTKSAD10280X3	24-20-01-03	PB019
CM3589-5	24-61-02-01	HI006	KTKSAD10280X3	24-30-01-02	PB019
CM3589-5	24-61-02-01	HI012	KTKSAD10280X3	24-30-01-03	PB019
CM3589-5	30-30-01-01	HI006	KTKSAD2022F150X2	73-10-01-01	JF005
CM3589-5	33-10-02-01	HI002	KTKSAD2022F150X2	73-10-01-02	JF005
CM3589-5	33-10-02-02	HI002	LM350K	33-10-07-01	QZ001
CM3589-5	33-10-02-03	HI002	LM350K	33-10-07-01	QZ002
CM3589-5	33-10-02-04	HI002	LM350K	33-10-07-01	QZ003
CM3589-5	33-40-01-01	HI002	LMD-4001-P	25-60-01-01	JZ905
CM3589-5	33-40-01-02	HI002	LMD-4001-P	25-60-01-02	JZ905
CM3589-5	33-40-01-03	HI002	LMD-4001-P	25-60-01-03	JZ905
CM3589-5	33-40-01-04	HI002	LMD-4001-S	25-60-01-01	PZ905
CM3589-5	33-40-02-01	HI005	LMD-4001-S	25-60-01-02	PZ905
CM3589-5	33-40-02-02	HI005	LMD-4001-S	25-60-01-03	PZ905
CM3589-5	33-40-02-03	HI005	M24308/2-2	34-52-20-01	PC800
CM3589-5	33-40-03-01	HI004	M24308/2-2	34-52-20-02	PC800
CM3589-5	73-10-01-01	HI012	M24308/2-2	34-52-21-01	PC800
CNP-100-001	31-20-01-03	TF001	M24308/2-2	34-52-22-01	PC800
CNP-100-001	31-20-01-04	TF002	M24308/2-2	34-52-23-01	PC800
CSEWCA-01	24-20-01-01	UI005	M24308/2-2	34-52-23-02	PC800
CSEWCA-01	24-20-01-02	UI005	M24308/2-2	34-52-24-01	PC800
CSEWCA-01	28-40-01-01	UI005	M24308/2-2	34-52-25-01	PC800
CSEWCA-01	28-40-01-02	UI005	M24308/2-2	34-52-26-01	PC800
CSEWCA-01	31-20-01-01	UI005	M24308/2-2	34-52-27-01	PC800
CSEWCA-01	31-20-01-02	UI005	M24308/2-2	34-53-01-01	PC800
CSEWCA-01	31-20-01-03	UI005	M24308/2-2	34-53-01-02	PC800
CSEWCA-01	31-20-01-04	UI005	M24308/2-2	34-53-01-03	PC800
CSEWCA-01	31-20-01-05	UI005	M803B-2-0/28V-B	31-20-01-02	EI019
CSEWCA-01	31-50-01-01	UI005	M803B-2-0/28V-B	31-20-01-03	EI019
CSEWCA-01	31-50-01-02	UI005	M803B-2-0/28V-B	31-20-01-05	EI019
CSEWCA-01	31-50-01-03	UI005	M803B-2-0/28V-B	33-10-04-02	EI019
CSEWCA-01	31-50-01-04	UI005	MD41-228	34-52-21-01	UI702
CSEWCA-01	37-20-01-01	UI005	MD41-228	34-52-22-01	UI702
CSEWCA-01	37-20-01-02	UI005	MD41-228	34-52-23-01	UI702
CSEWCA-01	77-20-01-01	UI005	MJ500-K	77-20-01-01	JN006
CSEWCA-03	31-20-01-05	UI005	MJ500-K	77-20-01-02	JN006
CSEWCA-03	31-50-01-04	UI005	MNS112B	23-50-10-03	PC510
CSR13-2356	33-10-07-01	CZ001	MNS112B	23-50-10-03	PC511
CSR13-2356	33-10-07-01	CZ002	MNS112B	23-50-10-03	PC517
CSR13-2356	33-10-07-01	CZ003	MNS112B	23-50-10-03	PF509

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MNS112B	23-50-10-03	PF513	MS35058-22	24-40-01-02	SI014
MNS112B	23-50-10-04	PC510	MS35058-22	24-40-01-02	SI015
MNS112B	23-50-10-04	PC511	MS35058-22	24-40-01-02	SI016
MNS112B	23-50-10-04	PC517	MS35058-22	24-40-01-02	SI017
MNS112B	23-50-10-04	PF509	MS35058-22	24-40-01-02	SI018
MNS112B	23-50-10-04	PF513	MS35058-22	24-40-01-02	SI019
MNS112B	23-50-20-03	PC510	MS35058-22	24-40-01-02	SI023
MNS112B	23-50-20-03	PC511	MS35058-22	24-50-01-04	SI023
MNS112B	23-50-20-03	PC517	MS35059-31	24-40-01-01	SI021
MNS112B	23-50-20-03	PF509	MS35059-31	24-40-01-02	SI021
MNS112B	23-50-20-03	PF513	N112B	23-50-10-03	PC509
MNS112B	23-50-21-02	PC510	N112B	23-50-10-03	PC515
MNS112B	23-50-21-02	PC511	N112B	23-50-10-03	PF508
MNS112B	23-50-21-02	PC517	N112B	23-50-10-03	PF512
MNS112B	23-50-21-02	PF509	N112B	23-50-10-04	PC509
MNS112B	23-50-21-02	PF513	N112B	23-50-10-04	PC515
MNS112B	23-50-21-03	PC510	N112B	23-50-10-04	PF508
MNS112B	23-50-21-03	PC511	N112B	23-50-10-04	PF512
MNS112B	23-50-21-03	PC517	N112B	23-50-20-03	PC509
MNS112B	23-50-21-03	PF509	N112B	23-50-20-03	PC515
MNS112B	23-50-21-03	PF513	N112B	23-50-20-03	PF508
MNS112B	23-50-22-01	PC510	N112B	23-50-20-03	PF512
MNS112B	23-50-22-01	PC511	N112B	23-50-21-02	PC509
MNS112B	23-50-22-01	PC517	N112B	23-50-21-02	PC515
MNS112B	23-50-22-01	PF509	N112B	23-50-21-02	PF508
MNS112B	23-50-22-01	PF513	N112B	23-50-21-02	PF512
MNS112B	23-50-24-01	PC510	N112B	23-50-21-03	PC509
MNS112B	23-50-24-01	PC511	N112B	23-50-21-03	PC515
MNS112B	23-50-24-01	PC517	N112B	23-50-21-03	PF508
MNS112B	23-50-24-01	PF509	N112B	23-50-21-03	PF512
MNS112B	23-50-24-01	PF513	N112B	23-50-22-01	PC509
MNS112B	23-50-24-02	PC510	N112B	23-50-22-01	PC515
MNS112B	23-50-24-02	PC511	N112B	23-50-22-01	PF508
MNS112B	23-50-24-02	PC517	N112B	23-50-22-01	PF512
MNS112B	23-50-24-02	PF509	N112B	23-50-24-01	PC509
MNS112B	23-50-24-02	PF513	N112B	23-50-24-01	PC515
MNS112B	23-50-24-03	PC510	N112B	23-50-24-01	PF508
MNS112B	23-50-24-03	PC511	N112B	23-50-24-01	PF512
MNS112B	23-50-24-03	PC517	N112B	23-50-24-02	PC509
MNS112B	23-50-24-03	PF509	N112B	23-50-24-02	PC515
MNS112B	23-50-24-03	PF513	N112B	23-50-24-02	PF508
MS25171-1S	74-10-01-01	RN001	N112B	23-50-24-02	PF512
MS25171-1S	74-10-01-01	RN002	N112B	23-50-24-03	PC509
MS25171-1S	74-10-01-02	RN001	N112B	23-50-24-03	PC515
MS25171-1S	74-10-01-02	RN002	N112B	23-50-24-03	PF508
MS25171-1S	74-10-01-03	RN001	N112B	23-50-24-03	PF512
MS25171-1S	74-10-01-03	RN002	NJM317F	33-10-01-03	QI001
MS25231-1829	33-10-01-01	FI003	NJM317F	33-10-01-04	QI002
MS25231-1829	33-10-01-02	FI003	NJM317F	33-10-08-01	Q1
MS25231-1829	33-10-01-03	FI003	NJM317F	33-10-08-02	Q1
MS25231-1829	33-10-01-04	FI003	NJM317F	33-10-08-02	Q2
MS26574-5	24-62-26-01	HI916	NMP-K-F	77-40-01-01	JN011
MS26574-5	24-62-27-01	HI916	NMP-K-F	77-40-01-01	JN012
MS26574-5	24-62-28-01	HI916	NMP-K-F	77-40-01-01	JN013
MS26574-5	24-62-29-01	HI916	NMP-K-F	77-40-01-01	JN014
MS26574-5	24-62-30-01	HI916	NMP-K-F	77-40-01-01	JN017
MS26574-5	24-62-31-01	HI916	NMP-K-F	77-40-01-01	JN018
MS26574-5	24-62-32-01	HI916	NMP-K-F	77-40-01-01	JN019
MS26574-5	24-62-33-01	HI916	NMP-K-F	77-40-01-01	JN020
MS26574-5	24-62-34-01	HI916	P165-5281	79-30-01-01	UI006
MS26574-5	24-62-35-01	HI916	P165-5282	77-20-01-01	UN003
MS27473E12F35P	34-51-01-01	PC600	P165-5282	77-20-01-02	UN003
MS27473E12F35P	34-51-01-02	PC600	RCR20G241JP	33-10-07-01	RZ001
MS27473E12F35P	34-51-01-03	PC600	RCR20G241JP	33-10-07-01	RZ002
MS27473T12F35S	25-60-05-01	PT908	RCR20G241JP	33-10-07-01	RZ003
MS3106F14S-5S	22-10-02-01	PI301	RD15F00JVL0	24-40-01-01	PI036
MS35058-22	24-40-01-01	SI013	RD15F00JVL0	24-40-01-02	PI036
MS35058-22	24-40-01-01	SI014	RD15F00JVL0	34-40-01-01	PI706
MS35058-22	24-40-01-01	SI015	RD15F00JVL0	34-52-26-01	PI706
MS35058-22	24-40-01-01	SI016	RD15F00JVL0	34-52-27-01	PI706
MS35058-22	24-40-01-01	SI017	RD25F00JVL0	34-20-04-01	PT709
MS35058-22	24-40-01-01	SI018	RD25F00JVL0	34-20-04-02	PT709
MS35058-22	24-40-01-01	SI019	RD25F00JVL0	34-52-21-01	PI702
MS35058-22	24-40-01-02	SI013	RD25F00JVL0	34-52-22-01	PI702

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RD25F00JVL0	34-52-23-01	PI702	S1360-10L	24-61-01-01	HI007
RD50F10JVL0	22-10-31-01	PI704	S1360-10L	24-61-01-02	HI007
RD50F10JVL0	22-10-33-01	PI704	S1360-10L	24-61-01-03	HI007
RD50F10JVL0	22-10-40-01	PI704	S1360-10L	24-61-02-01	HI007
RD50F10JVL0	22-10-42-01	PI704	S1360-10L	27-50-01-01	HI007
RD50F10JVL0	22-10-45-01	PI704	S1360-10L	27-50-01-02	HI007
RD50F10JVL0	34-20-02-01	PI704	S1360-15L	24-61-01-01	HI023
RD50F10JVL0	34-20-02-02	PI704	S1360-15L	24-61-01-01	HI024
RD50F10JVL0	34-50-12-02	PI704	S1360-15L	24-61-01-02	HI023
RD50F10JVL0	34-50-12-03	PI704	S1360-15L	24-61-01-02	HI024
RD50F10JVL0	34-50-13-01	PI704	S1360-15L	24-61-01-03	HI023
RD50F10JVL0	34-52-22-01	PI704	S1360-15L	24-61-01-03	HI024
RD50F10JVL0	34-52-25-01	PI704	S1360-15L	24-61-02-01	HI023
RD50F10JVL0	34-52-26-01	PI704	S1360-15L	24-61-02-01	HI024
RD50M10JVL0	22-10-31-01	PI705	S1360-5L	21-20-01-01	HI106
RD50M10JVL0	22-10-33-01	PI705	S1360-5L	22-10-02-01	HI105
RD50M10JVL0	22-10-40-01	PI705	S1360-5L	24-50-01-01	HI015
RD50M10JVL0	22-10-42-01	PI705	S1360-5L	24-50-01-02	HI015
RD50M10JVL0	22-10-45-01	PI705	S1360-5L	24-61-01-01	HI003
RD50M10JVL0	34-20-02-01	PI705	S1360-5L	24-61-01-01	HI008
RD50M10JVL0	34-20-02-02	PI705	S1360-5L	24-61-01-01	HI009
RD50M10JVL0	34-50-12-02	PI705	S1360-5L	24-61-01-01	HI010
RD50M10JVL0	34-50-12-03	PI705	S1360-5L	24-61-01-01	HI022
RD50M10JVL0	34-50-13-01	PI705	S1360-5L	24-61-01-01	HI030
RD50M10JVL0	34-52-22-01	PI705	S1360-5L	24-61-01-02	HI003
RD50M10JVL0	34-52-25-01	PI705	S1360-5L	24-61-01-02	HI008
RD50M10JVL0	34-52-26-01	PI705	S1360-5L	24-61-01-02	HI009
RD9F00JVL0	31-20-01-02	JI021	S1360-5L	24-61-01-02	HI010
RD9F00JVL0	31-20-01-03	JI021	S1360-5L	24-61-01-02	HI022
RD9F00JVL0	31-20-01-04	JI021	S1360-5L	24-61-01-03	HI003
RD9F00JVL0	31-20-01-05	JI021	S1360-5L	24-61-01-03	HI008
RD9F00JVL0	33-10-04-02	JI021	S1360-5L	24-61-01-03	HI009
RD9F00JVL0	34-52-23-02	PI703	S1360-5L	24-61-01-03	HI010
RD9F00JVL0	34-52-24-01	PI703	S1360-5L	24-61-01-03	HI015
RD9F00JVL0	34-52-25-01	PI703	S1360-5L	24-61-01-03	HI022
RL6806-1	33-10-05-01	FC002	S1360-5L	24-61-02-01	HI003
RL6806-1	33-10-05-01	FC003	S1360-5L	24-61-02-01	HI008
RL6808-1	33-10-05-01	FC005	S1360-5L	24-61-02-01	HI009
RL6870-1	33-10-05-02	FC006	S1360-5L	24-61-02-01	HI010
RL6870-1	33-10-05-02	FC007	S1360-5L	24-61-02-01	HI022
RL6870-1	33-10-05-03	FC006	S1360-5L	24-62-11-01	HI102
RL6870-1	33-10-05-03	FC007	S1360-5L	24-62-11-01	HI103
RL6870-1	33-10-05-04	FC007	S1360-5L	24-62-11-01	HI104
RL6870-1	33-10-05-04	FC012	S1360-5L	24-62-11-01	HI105
RL6870-1	33-10-05-04	FF004	S1360-5L	24-62-11-01	HI106
RL6870-1	33-10-05-05	FC007	S1360-5L	28-40-01-01	HI009
RL6870-1	33-10-05-05	FC012	S1360-5L	28-40-01-02	HI009
RL6870-1	33-10-05-05	FF004	S1360-5L	31-20-01-01	HI022
AN55C1001F	77-40-01-01	R3	S1360-5L	31-20-01-02	HI022
AN55E4990B	77-40-01-01	R1	S1360-5L	31-20-01-03	HI022
AN55E4990B	77-40-01-01	R2	S1360-5L	31-20-01-04	HI022
S1102-1	23-50-10-01	PC303	S1360-5L	31-20-01-05	HI022
S1102-1	23-50-10-01	PC304	S1360-5L	33-10-01-01	HI003
S1102-1	23-50-10-01	PF303	S1360-5L	33-10-01-02	HI003
S1102-1	23-50-10-02	PC503	S1360-5L	33-10-01-03	HI003
S1102-1	23-50-10-02	PC504	S1360-5L	33-10-01-03	HI015
S1102-1	23-50-10-02	PC505	S1360-5L	33-10-06-01	HI003
S1102-1	23-50-10-02	PF503	S1360-5L	34-21-01-01	HI008
S1102-1	23-50-10-02	PF505	S1360-5L	34-52-20-01	HI102
S1102-1	23-50-20-01	PC503	S1360-5L	37-20-01-01	HI022
S1102-1	23-50-20-01	PC504	S1360-5L	37-20-01-02	HI022
S1102-1	23-50-20-01	PC505	S1360-5L	74-10-01-01	HI009
S1102-1	23-50-20-01	PF503	S1360-5L	74-10-01-02	HI009
S1102-1	23-50-20-01	PF505	S1360-5L	77-20-01-01	HI009
S1102-1	23-50-20-02	PC503	S1360-5L	77-20-01-02	HI009
S1102-1	23-50-20-02	PC504	S1360-5L	79-30-01-01	HI009
S1102-1	23-50-20-02	PC505	S1360-8L	24-62-11-01	HI100
S1102-1	23-50-20-02	PF503	S1360-8L	24-62-11-01	HI101
S1102-1	23-50-20-02	PF505	S1360-8L	34-50-10-01	HI100
S1102-1	23-50-21-01	PC503	S1367-6-13	24-30-01-01	UN002
S1102-1	23-50-21-01	PC504	S1367-6-13	24-30-01-02	UN002
S1102-1	23-50-21-01	PC505	S1367-6-13	24-30-01-03	UN002
S1102-1	23-50-21-01	PF503	S1370-0	27-10-01-01	A2
S1102-1	23-50-21-01	PF505	S1370-1	27-10-01-01	A1

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S1370-1	33-10-02-02	A1	S1637-2	30-30-01-02	JL006
S1370-1	33-10-02-03	A1	S1637-2	30-30-01-02	JL007
S1370-1	33-10-02-04	A1	S1637-2	33-40-01-01	JL003
S1370-1	33-10-02-05	A1	S1637-2	33-40-01-01	JR002
S1493-1	31-20-01-01	EI003	S1637-2	33-40-01-01	JV001
S1493-1	31-20-01-02	EI003	S1637-2	33-40-01-01	JV002
S1493-1	31-20-01-03	EI003	S1637-2	33-40-01-02	JL003
S1493-1	31-20-01-04	EI003	S1637-2	33-40-01-02	JR002
S1493-1	31-20-01-05	EI003	S1637-2	33-40-01-02	JV001
S1493-1	77-40-01-01	EI003	S1637-2	33-40-01-02	JV002
S1493-2	27-50-01-01	SR001	S1637-2	33-40-01-03	JV001
S1493-2	27-50-01-01	SR002	S1637-2	33-40-01-03	JV002
S1493-2	27-50-01-02	SR001	S1637-2	33-40-01-04	JV001
S1493-2	27-50-01-02	SR002	S1637-2	33-40-01-04	JV002
S1493-2	27-50-01-03	SR001	S1637-2	33-40-01-05	JV001
S1493-2	27-50-01-03	SR002	S1637-2	33-40-01-05	JV002
S1612-1	23-50-10-01	PC302	S1637-2	33-40-02-01	JL005
S1612-1	23-50-10-01	PF302	S1637-2	33-40-02-01	JR004
S1612-1	23-50-10-02	PC502	S1637-2	33-40-02-02	JL005
S1612-1	23-50-10-02	PC506	S1637-2	33-40-02-02	JR004
S1612-1	23-50-10-02	PF502	S1637-2	33-40-02-03	JL005
S1612-1	23-50-10-02	PF504	S1637-2	33-40-02-03	JR004
S1612-1	23-50-20-01	PC502	S1637-2	33-40-02-04	JL005
S1612-1	23-50-20-01	PC506	S1637-2	33-40-02-04	JR004
S1612-1	23-50-20-01	PF502	S1637-2	33-40-04-01	J1
S1612-1	23-50-20-01	PF504	S1637-2	33-40-04-02	J1
S1612-1	23-50-20-02	PC502	S1637-2	33-40-04-03	J1
S1612-1	23-50-20-02	PC506	S1638-1	22-10-01-03	PR007
S1612-1	23-50-20-02	PF502	S1638-1	22-10-01-04	PR007
S1612-1	23-50-20-02	PF504	S1638-1	27-50-01-01	JR006
S1612-1	23-50-21-01	PC502	S1638-1	27-50-01-02	JR006
S1612-1	23-50-21-01	PC506	S1638-1	27-50-01-02	PR007
S1612-1	23-50-21-01	PF502	S1638-1	27-50-01-03	JR006
S1612-1	23-50-21-01	PF504	S1638-1	27-50-01-03	PR007
S1637-1	30-30-01-01	PL006	S1638-1	31-20-01-01	J1004
S1637-1	30-30-01-01	PL007	S1638-1	31-50-01-01	JC014
S1637-1	30-30-01-02	PL006	S1638-1	33-10-04-01	J1004
S1637-1	30-30-01-02	PL007	S1638-1	33-10-05-01	JC011
S1637-1	33-40-01-01	PL003	S1638-1	33-10-05-02	J1026
S1637-1	33-40-01-01	PR002	S1638-1	33-10-05-03	J1026
S1637-1	33-40-01-01	PV001	S1638-1	33-10-06-01	J1032
S1637-1	33-40-01-01	PV002	S1638-1	33-40-04-01	JC011
S1637-1	33-40-01-02	PL003	S1638-2	27-50-01-01	PR006
S1637-1	33-40-01-02	PR002	S1638-2	27-50-01-02	JR007
S1637-1	33-40-01-02	PV001	S1638-2	27-50-01-02	PR006
S1637-1	33-40-01-02	PV002	S1638-2	27-50-01-03	JR007
S1637-1	33-40-01-03	PV001	S1638-2	27-50-01-03	PR006
S1637-1	33-40-01-03	PV002	S1638-2	31-20-01-01	PI004
S1637-1	33-40-01-04	PV001	S1638-2	31-50-01-01	PC014
S1637-1	33-40-01-04	PV002	S1638-2	33-10-04-01	PI004
S1637-1	33-40-01-05	PV001	S1638-2	33-10-05-01	PC011
S1637-1	33-40-01-05	PV002	S1638-2	33-10-06-01	P1
S1637-1	33-40-02-01	PL005	S1638-2	33-40-02-01	J1
S1637-1	33-40-02-01	PR004	S1638-2	33-40-04-01	PC011
S1637-1	33-40-02-02	PL005	S1638-4	24-50-01-01	JC009
S1637-1	33-40-02-02	PR004	S1638-4	27-50-01-01	PI001
S1637-1	33-40-02-03	PL005	S1638-4	27-50-01-02	PI001
S1637-1	33-40-02-03	PR004	S1638-4	27-50-01-03	PI001
S1637-1	33-40-02-04	PL005	S1638-4	33-10-01-01	PI012
S1637-1	33-40-02-04	PR004	S1638-4	33-10-01-02	PI012
S1637-1	33-40-04-01	PL004	S1638-4	33-10-01-03	PI012
S1637-1	33-40-04-01	PL020	S1638-4	33-10-03-01	PI012
S1637-1	33-40-04-01	PR003	S1638-4	33-10-09-01	PI012
S1637-1	33-40-04-01	PR020	S1638-4	33-10-09-01	PI012A
S1637-1	33-40-04-02	PL004	S1638-5	23-50-10-01	J1505
S1637-1	33-40-04-02	PL020	S1638-5	27-50-01-01	J1001
S1637-1	33-40-04-02	PR003	S1638-5	27-50-01-02	J1001
S1637-1	33-40-04-02	PR020	S1638-5	27-50-01-03	J1001
S1637-1	33-40-04-03	PL004	S1638-5	33-10-01-01	J1012
S1637-1	33-40-04-03	PL020	S1638-5	33-10-03-01	J1012
S1637-1	33-40-04-03	PR003	S1638-5	33-10-09-01	J1012
S1637-1	33-40-04-03	PR020	S1638-6	24-50-01-01	PC009
S1637-2	30-30-01-01	JL006	S1638-6	33-10-01-02	J1012

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S1638-6	33-10-01-03	J1012	S1640-9	24-61-01-03	PC007
S1638-6	33-10-09-01	J1012	S1640-9	25-60-01-01	PC007
S1638-6	33-10-09-01	J1012A	S1640-9	25-60-01-02	PC007
S1640-12	33-40-01-03	PL002	S1640-9	25-60-01-03	PC007
S1640-12	33-40-01-04	PL002	S1640-9	25-60-01-04	PC007
S1640-12	33-40-01-05	PL002	S1640-9	25-60-02-01	PC007
S1640-12	33-40-02-02	PL002	S1640-9	27-10-01-01	P1
S1640-12	33-40-02-03	PL002	S1640-9	27-10-01-02	P1
S1640-12	33-40-02-04	PL002	S1640-9	27-50-01-01	PR001
S1640-6	24-61-01-01	PC010	S1640-9	27-50-01-02	PR001
S1640-6	24-61-01-02	PC010	S1640-9	27-50-01-03	PR001
S1640-6	24-61-01-03	PC010	S1640-9	28-40-01-01	PL002
S1640-6	24-61-02-01	PC010	S1640-9	28-40-01-01	PR001
S1640-6	27-50-01-01	PC010	S1640-9	30-30-01-01	PL002
S1640-6	27-50-01-02	PC010	S1640-9	30-30-01-02	PL002
S1640-6	30-30-01-01	PC010	S1640-9	31-50-01-01	PC007
S1640-6	31-50-01-02	PC015	S1640-9	31-50-01-02	PC007
S1640-6	31-50-01-03	PC015	S1640-9	31-50-01-03	PC007
S1640-6	31-50-01-04	PC015	S1640-9	31-50-01-04	PC007
S1640-6	33-10-01-02	PC015	S1640-9	33-10-01-01	PC005
S1640-6	33-10-01-03	PC015	S1640-9	33-10-01-01	PC007
S1640-6	33-10-05-02	PC035	S1640-9	33-10-01-02	PC005
S1640-6	33-10-05-03	PC035	S1640-9	33-10-01-02	PC007
S1640-6	33-40-03-01	PC010	S1640-9	33-10-01-03	PC005
S1640-6	33-40-04-02	PC035	S1640-9	33-10-01-03	PC007
S1640-6	33-40-05-01	PC010	S1640-9	33-10-01-04	PC005
S1640-6	33-40-05-02	PC010	S1640-9	33-10-02-02	PC007
S1640-9	22-10-01-01	PS300	S1640-9	33-10-02-03	PC007
S1640-9	22-10-02-01	PC007	S1640-9	33-10-02-04	PC007
S1640-9	22-10-02-01	PS300	S1640-9	33-10-05-04	PC036
S1640-9	22-10-02-02	PC007	S1640-9	33-10-05-05	PC036
S1640-9	22-10-02-02	PS300	S1640-9	33-10-06-01	PC005
S1640-9	22-10-02-03	PC007	S1640-9	33-10-06-02	PC005
S1640-9	22-10-02-03	PS300	S1640-9	33-40-01-01	PL002
S1640-9	22-10-30-01	PC007	S1640-9	33-40-01-01	PR001
S1640-9	22-10-30-01	PS300	S1640-9	33-40-01-02	PL002
S1640-9	22-10-31-01	PC007	S1640-9	33-40-01-02	PR001
S1640-9	22-10-31-01	PS300	S1640-9	33-40-01-03	PR001
S1640-9	22-10-32-01	PC007	S1640-9	33-40-01-04	PR001
S1640-9	22-10-32-01	PS300	S1640-9	33-40-01-05	PR001
S1640-9	22-10-33-01	PC007	S1640-9	33-40-02-01	PL002
S1640-9	22-10-33-01	PS300	S1640-9	33-40-02-01	PR001
S1640-9	22-10-40-01	PC007	S1640-9	33-40-02-02	PR001
S1640-9	22-10-40-01	PS300	S1640-9	33-40-02-03	PR001
S1640-9	22-10-40-01	PC007	S1640-9	33-40-02-04	PR001
S1640-9	22-10-41-01	PC007	S1640-9	33-40-04-01	PL002
S1640-9	22-10-41-01	PS300	S1640-9	33-40-04-01	PR001
S1640-9	22-10-41-01	PC007	S1640-9	33-40-04-02	PL002
S1640-9	22-10-42-01	PC007	S1640-9	33-40-04-02	PR001
S1640-9	22-10-42-01	PS300	S1640-9	33-40-04-03	PC036
S1640-9	22-10-42-01	PC007	S1640-9	33-40-04-03	PL002
S1640-9	22-10-43-01	PC007	S1640-9	33-40-04-03	PR001
S1640-9	22-10-43-01	PS300	S1640-9	33-40-05-01	PL002
S1640-9	22-10-43-01	PC007	S1640-9	33-40-05-02	PL002
S1640-9	22-10-44-01	PC007	S1640-9	33-40-05-03	PL002
S1640-9	22-10-44-01	PS300	S1640-9	34-21-01-01	PC007
S1640-9	22-10-44-01	PC007	S1640-9	34-52-21-01	PC007
S1640-9	22-10-45-01	PC007	S1640-9	34-52-22-01	PC007
S1640-9	22-10-45-01	PS300	S1640-9	34-52-23-01	PC007
S1640-9	22-10-45-01	PC007	S1640-9	34-52-23-02	PC007
S1640-9	22-10-46-01	PS300	S1640-9	34-52-24-01	PC007
S1640-9	22-10-47-01	PS300	S1640-9	34-52-25-01	PC007
S1640-9	23-50-10-01	PC007	S1640-9	34-52-26-01	PC007
S1640-9	23-50-10-02	PC007	S1640-9	34-52-27-01	PC007
S1640-9	23-50-10-03	PC007	S1641-1	22-10-02-01	JC007
S1640-9	23-50-10-04	PC007	S1641-1	24-61-01-01	JC007
S1640-9	23-50-20-01	PC007	S1641-1	24-61-01-02	JC007
S1640-9	23-50-20-02	PC007	S1641-1	24-61-01-03	JC007
S1640-9	23-50-20-03	PC007	S1641-1	31-50-01-01	JC007
S1640-9	23-50-21-01	PC007	S1641-1	31-50-01-02	JC007
S1640-9	23-50-21-02	PC007	S1641-1	31-50-01-03	JC007
S1640-9	23-50-21-03	PC007	S1641-1	31-50-01-04	JC007
S1640-9	24-61-01-01	PC007	S1641-1	33-10-01-01	JC007
S1640-9	24-61-01-02	PC007	S1641-1	33-10-01-02	JC007

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S1641-1	33-10-01-03	JC007	S1641-9	23-50-24-03	J1514
S1641-1	33-10-02-02	JC007	S1641-9	27-50-01-01	JR001
S1641-1	33-10-02-03	JC007	S1641-9	27-50-01-02	JR001
S1641-1	33-10-02-04	JC007	S1641-9	27-50-01-03	JR001
S1641-1	34-21-01-01	JC007	S1641-9	28-40-01-01	JL002
S1641-6	22-10-02-02	J1506	S1641-9	28-40-01-01	JR001
S1641-6	22-10-02-03	J1506	S1641-9	30-30-01-01	JL002
S1641-6	22-10-30-01	J1506	S1641-9	30-30-01-02	JL002
S1641-6	22-10-31-01	J1506	S1641-9	33-10-01-01	JC005
S1641-6	22-10-32-01	J1506	S1641-9	33-10-01-01	J1003
S1641-6	22-10-33-01	J1506	S1641-9	33-10-01-01	P1
S1641-6	23-50-10-02	J1506	S1641-9	33-10-01-02	JC005
S1641-6	23-50-10-02	J1513	S1641-9	33-10-01-02	J1003
S1641-6	23-50-10-03	J1506	S1641-9	33-10-01-02	P1
S1641-6	23-50-10-03	J1513	S1641-9	33-10-01-03	JC005
S1641-6	23-50-10-04	J1506	S1641-9	33-10-01-03	J1003
S1641-6	23-50-10-04	J1513	S1641-9	33-10-01-03	P1
S1641-6	23-50-20-01	J1506	S1641-9	33-10-01-04	JC005
S1641-6	23-50-20-01	J1513	S1641-9	33-10-01-04	J1003
S1641-6	23-50-20-02	J1506	S1641-9	33-10-01-04	P1
S1641-6	23-50-20-02	J1513	S1641-9	33-10-02-05	J1514
S1641-6	23-50-20-03	J1506	S1641-9	33-10-03-02	J1003
S1641-6	23-50-20-03	J1513	S1641-9	33-10-05-02	P1
S1641-6	23-50-21-01	J1506	S1641-9	33-10-05-03	P1
S1641-6	23-50-21-01	J1513	S1641-9	33-10-05-04	JC036
S1641-6	23-50-21-02	J1513	S1641-9	33-10-05-04	P1
S1641-6	23-50-21-03	J1513	S1641-9	33-10-05-05	JC036
S1641-6	23-50-24-01	J1513	S1641-9	33-10-05-05	P1
S1641-6	23-50-24-02	J1513	S1641-9	33-10-06-01	JC005
S1641-6	23-50-24-03	J1513	S1641-9	33-10-06-02	JC005
S1641-6	24-50-01-01	PT001	S1641-9	33-10-07-01	J1003
S1641-6	24-50-01-02	PT001	S1641-9	33-10-07-01	P1
S1641-6	24-50-01-03	PF004	S1641-9	33-10-08-01	P1
S1641-6	24-50-01-04	PF004	S1641-9	33-10-08-02	P1
S1641-6	24-61-01-01	JC010	S1641-9	33-40-01-01	JL002
S1641-6	24-61-01-02	JC010	S1641-9	33-40-01-01	JR001
S1641-6	24-61-01-03	JC010	S1641-9	33-40-01-02	JL002
S1641-6	24-61-02-01	JC010	S1641-9	33-40-01-02	JR001
S1641-6	27-50-01-01	JC010	S1641-9	33-40-01-03	JL002
S1641-6	27-50-01-02	JC010	S1641-9	33-40-01-03	JR001
S1641-6	30-30-01-01	JC010	S1641-9	33-40-01-04	JL002
S1641-6	31-50-01-02	JC015	S1641-9	33-40-01-04	JR001
S1641-6	31-50-01-03	JC015	S1641-9	33-40-01-05	JL002
S1641-6	31-50-01-04	JC015	S1641-9	33-40-01-05	JR001
S1641-6	33-10-01-02	JC015	S1641-9	33-40-02-01	JL002
S1641-6	33-10-01-03	JC015	S1641-9	33-40-02-01	JR001
S1641-6	33-10-02-02	J1506	S1641-9	33-40-02-02	JL002
S1641-6	33-10-02-03	J1506	S1641-9	33-40-02-02	JR001
S1641-6	33-10-02-04	J1506	S1641-9	33-40-02-03	JL002
S1641-6	33-10-05-02	JC035	S1641-9	33-40-02-03	JR001
S1641-6	33-10-05-03	JC035	S1641-9	33-40-02-04	JL002
S1641-6	33-10-05-04	J1043	S1641-9	33-40-02-04	JR001
S1641-6	33-10-05-05	J1043	S1641-9	33-40-04-01	JL002
S1641-6	33-40-03-01	JC010	S1641-9	33-40-04-01	JR001
S1641-6	33-40-04-02	JC035	S1641-9	33-40-04-02	JL002
S1641-6	33-40-05-01	JC010	S1641-9	33-40-04-02	JR001
S1641-6	33-40-05-02	JC010	S1641-9	33-40-04-03	JC036
S1641-9	22-10-01-01	JS300	S1641-9	33-40-04-03	JL002
S1641-9	22-10-01-02	JS300	S1641-9	33-40-04-03	JR001
S1641-9	22-10-01-03	JS300	S1641-9	33-40-05-01	JL002
S1641-9	22-10-01-04	JS300	S1641-9	33-40-05-02	JL002
S1641-9	22-10-40-01	J1514	S1641-9	33-40-05-03	JL002
S1641-9	22-10-41-01	J1514	S1695-5	31-50-01-01	SI003
S1641-9	22-10-42-01	J1514	S1695-5	31-50-01-02	SI004
S1641-9	22-10-43-01	J1514	S1695-5	31-50-01-03	SI004
S1641-9	22-10-44-01	J1514	S1695-6	31-50-01-04	SI005
S1641-9	22-10-45-01	J1514	S1904-5	33-10-01-04	RI006
S1641-9	22-10-46-01	J1514	S1904-5	33-10-01-04	RI007
S1641-9	22-10-47-01	J1514	S1904-5	33-10-01-04	RI008
S1641-9	23-50-21-02	J1514	S1904-5	33-10-01-04	RI009
S1641-9	23-50-21-03	J1514	S1906-1	27-50-01-01	SI007
S1641-9	23-50-22-01	J1514	S1906-1	27-50-01-01	SI008
S1641-9	23-50-24-01	J1514	S1906-1	27-50-01-02	SI007
S1641-9	23-50-24-02	J1514	S1906-1	27-50-01-02	SI008

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S1906-1	27-50-01-03	SI007	S2035-2	24-61-01-02	JC012
S1906-1	27-50-01-03	SI008	S2035-2	24-61-01-03	JC012
S1915-1	24-20-01-01	CN001	S2035-2	24-61-02-01	JC012
S1915-1	24-20-01-02	CN001	S2035-2	24-62-11-02	JC012
S1915-1	24-20-01-03	CN001	S2035-2	24-62-20-01	JC012
S1915-3	24-20-01-01	CN001	S2035-2	24-62-21-01	JC012
S1985-1	27-10-01-01	S1	S2035-2	24-62-22-01	JC012
S2035-1	24-61-01-01	PC012	S2035-2	24-62-23-01	JC012
S2035-1	24-61-01-02	PC012	S2035-2	27-10-01-01	P1
S2035-1	24-61-01-03	PC012	S2035-2	27-10-01-02	P1
S2035-1	24-61-02-01	PC012	S2035-2	27-50-01-01	JR005
S2035-1	24-62-11-01	PC012	S2035-2	27-50-01-01	JR022
S2035-1	24-62-11-02	PC012	S2035-2	27-50-01-02	JR005
S2035-1	24-62-11-03	PC012	S2035-2	27-50-01-02	JR022
S2035-1	24-62-20-01	PC012	S2035-2	27-50-01-03	JR005
S2035-1	24-62-21-01	PC012	S2035-2	27-50-01-03	JR022
S2035-1	24-62-22-01	PC012	S2035-2	33-10-01-01	JC003
S2035-1	24-62-23-01	PC012	S2035-2	33-10-01-01	JC004
S2035-1	24-62-24-01	PC012	S2035-2	33-10-01-02	JC003
S2035-1	24-62-25-01	PC012	S2035-2	33-10-01-02	JC004
S2035-1	24-62-26-01	PC012	S2035-2	33-10-01-03	JC003
S2035-1	24-62-27-01	PC012	S2035-2	33-10-01-03	JC004
S2035-1	24-62-28-01	PC012	S2035-2	33-10-01-04	JC003
S2035-1	24-62-29-01	PC012	S2035-2	33-10-01-04	JC004
S2035-1	24-62-30-01	PC012	S2035-2	33-10-01-04	PI039
S2035-1	24-62-31-01	PC012	S2035-2	33-10-01-04	PI040
S2035-1	24-62-32-01	PC012	S2035-2	33-10-02-01	JIO30
S2035-1	24-62-33-01	PC012	S2035-2	33-10-03-01	JIO07
S2035-1	24-62-34-01	PC012	S2035-2	33-10-03-01	JIO08
S2035-1	24-62-35-01	PC012	S2035-2	33-10-03-01	JIO09
S2035-1	27-50-01-01	PR005	S2035-2	33-10-03-01	JIO10
S2035-1	27-50-01-01	PR022	S2035-2	33-10-03-01	JIO11
S2035-1	27-50-01-02	PR005	S2035-2	33-10-03-01	JIO14
S2035-1	27-50-01-02	PR022	S2035-2	33-10-03-01	JIO16
S2035-1	27-50-01-03	PR005	S2035-2	33-10-03-02	JIO09
S2035-1	27-50-01-03	PR022	S2035-2	33-10-03-02	JIO10
S2035-1	33-10-01-01	PC003	S2035-2	33-10-03-02	JIO11
S2035-1	33-10-01-01	PC004	S2035-2	33-10-06-02	PI027
S2035-1	33-10-01-02	PC003	S2035-2	33-10-09-01	JIO11
S2035-1	33-10-01-02	PC004	S2035-2	33-10-09-01	JIO24
S2035-1	33-10-01-03	PC003	S2035-2	33-40-01-03	JL008
S2035-1	33-10-01-03	PC004	S2035-2	33-40-01-03	JR010
S2035-1	33-10-01-04	PC003	S2035-2	33-40-01-04	JL008
S2035-1	33-10-01-04	PC004	S2035-2	33-40-01-04	JR010
S2035-1	33-10-03-01	PI007	S2035-2	33-40-01-05	JL008
S2035-1	33-10-03-01	PI008	S2035-2	33-40-01-05	JR010
S2035-1	33-10-03-01	PI009	S2035-2	33-40-03-01	JV004
S2035-1	33-10-03-01	PI010	S2035-2	33-40-03-01	JV005
S2035-1	33-10-03-01	PI011	S2035-2	33-40-03-02	JV004
S2035-1	33-10-03-01	PI014	S2035-2	33-40-03-02	JV005
S2035-1	33-10-03-01	PI016	S2035-2	34-20-05-01	PI314
S2035-1	33-10-03-02	PI009	S2035-2	34-20-05-01	PI315
S2035-1	33-10-03-02	PI010	S2035-2	34-20-05-01	PI316
S2035-1	33-10-03-02	PI011	S2035-2	34-20-05-02	PI314
S2035-1	33-10-06-02	J1	S2035-2	34-20-05-02	PI315
S2035-1	33-10-09-01	PI011	S2035-2	34-20-05-02	PI316
S2035-1	33-40-03-01	PV004	S2046-3	34-50-01-02	JV1002
S2035-1	33-40-03-01	PV005	S2091-9	33-10-01-01	RI001
S2035-1	33-40-03-02	PV004	S2091-9	33-10-01-01	RI002
S2035-1	33-40-03-02	PV005	S2091-9	33-10-01-02	RI001
S2035-1	34-20-02-01	PI007	S2091-9	33-10-01-02	RI002
S2035-1	34-20-02-02	PI007	S2091-9	33-10-01-03	RI001
S2035-1	34-20-05-01	J1	S2091-9	33-10-01-03	RI002
S2035-1	34-20-05-01	J1314	S2335-1	77-40-01-01	UN004
S2035-1	34-20-05-02	J1	S2335-1	79-30-01-01	UN004
S2035-1	34-20-05-02	J1314	S2340-15	25-60-03-01	PT906
S2035-1	73-10-01-01	P1	S2349-1	21-20-01-01	PZ900
S2035-1	73-10-01-02	P1	S2349-1	21-20-01-02	PI901
S2035-2	23-50-10-01	J1504	S2349-1	21-20-01-03	PI901
S2035-2	23-50-22-01	J1513	S2349-1	22-10-02-01	PZ900
S2035-2	23-50-24-01	J1513	S2349-1	23-50-10-01	PZ900
S2035-2	23-50-24-02	J1513	S2349-1	24-20-01-03	PC026
S2035-2	23-50-24-03	J1513	S2349-1	24-30-01-03	PC026
S2035-2	24-61-01-01	JC012	S2349-1	24-40-01-01	PC025

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S2349-1	24-40-01-01	PC026	S2349-3	77-40-01-01	PC024
S2349-1	24-40-01-02	PC025	S2349-3	79-30-01-01	J1015
S2349-1	24-40-01-02	PC026	S2349-5	24-20-01-01	JC001
S2349-1	24-61-03-01	PC025	S2349-5	24-20-01-02	JC001
S2349-1	24-62-11-01	PZ900	S2349-5	24-30-01-01	JC001
S2349-1	24-62-11-02	PI901	S2349-5	24-30-01-02	JC001
S2349-1	24-62-11-03	PI901	S2349-5	24-50-01-01	JC001
S2349-1	24-62-20-01	PI901	S2349-5	24-50-01-02	JC001
S2349-1	24-62-21-01	PI901	S2349-5	24-61-01-01	JC001
S2349-1	24-62-22-01	PI901	S2349-5	24-61-01-02	JC001
S2349-1	24-62-23-01	PI901	S2349-5	24-61-01-03	JC001
S2349-1	24-62-24-01	PI901	S2349-5	24-61-02-01	JC001
S2349-1	24-62-25-01	PI901	S2349-5	24-61-03-01	PC023
S2349-1	24-62-26-01	PI901	S2349-5	28-40-01-01	JC001
S2349-1	24-62-27-01	PI901	S2349-5	28-40-01-02	JC001
S2349-1	24-62-28-01	PI901	S2349-5	31-20-01-01	JC001
S2349-1	24-62-29-01	PI901	S2349-5	31-20-01-02	JC001
S2349-1	24-62-30-01	PI901	S2349-5	31-20-01-03	JC001
S2349-1	24-62-31-01	PI901	S2349-5	31-20-01-04	JC001
S2349-1	24-62-32-01	PI901	S2349-5	31-20-01-05	JC001
S2349-1	24-62-33-01	PI901	S2349-5	33-10-01-01	JC001
S2349-1	24-62-34-01	PI901	S2349-5	33-10-01-02	JC001
S2349-1	24-62-35-01	PI901	S2349-5	33-10-01-03	JC001
S2349-1	30-30-01-02	PC026	S2349-5	33-10-02-01	JC001
S2349-1	33-10-02-05	PC026	S2349-5	33-10-02-02	JC001
S2349-1	33-40-01-05	PC026	S2349-5	33-10-02-03	JC001
S2349-1	33-40-02-04	PC026	S2349-5	33-10-02-04	JC001
S2349-1	33-40-03-02	PC026	S2349-5	33-10-05-01	JC001
S2349-1	33-40-05-03	PC026	S2349-5	33-10-05-02	JC001
S2349-1	34-50-10-01	PZ900	S2349-5	33-10-05-05	JC001
S2349-1	34-50-10-02	PI901	S2349-5	33-10-06-01	JC001
S2349-1	34-50-10-03	PI901	S2349-5	33-40-01-01	JC001
S2349-1	34-50-11-01	PI901	S2349-5	33-40-01-02	JC001
S2349-1	34-50-11-02	PI901	S2349-5	33-40-01-03	JC001
S2349-1	34-50-12-01	PI901	S2349-5	33-40-01-04	JC001
S2349-1	34-50-20-01	PZ900	S2349-5	33-40-02-01	JC001
S2349-1	34-50-20-02	PI901	S2349-5	33-40-02-02	JC001
S2349-1	34-50-20-03	PI901	S2349-5	33-40-02-03	JC001
S2349-1	34-51-01-01	PI901	S2349-5	34-21-01-01	JC001
S2349-1	34-51-01-02	PI901	S2349-5	37-20-01-01	JC001
S2349-1	34-52-20-01	PZ900	S2349-5	37-20-01-02	JC001
S2349-1	34-53-01-02	PI901	S2349-5	73-10-01-01	JC001
S2349-1	73-10-01-02	PC026	S2349-5	74-10-01-01	JC001
S2349-1	77-40-01-01	PC026	S2349-5	74-10-01-02	JC001
S2349-2	24-40-01-02	PC037	S2349-5	77-20-01-01	JC001
S2349-2	24-50-01-04	PC037	S2349-5	77-20-01-02	JC001
S2349-3	24-30-01-01	J1019	S2349-5	79-30-01-01	JC001
S2349-3	24-30-01-02	J1019	S2350-10	22-10-46-01	JC023
S2349-3	24-50-01-03	PC024	S2350-10	22-10-47-01	JC023
S2349-3	24-50-01-04	PC024	S2350-10	23-20-01-01	JC023
S2349-3	24-61-03-01	PC024	S2350-10	23-21-01-01	JC023
S2349-3	27-50-01-03	PC024	S2350-10	23-21-01-02	JC023
S2349-3	28-40-01-01	J1013	S2350-10	23-50-22-01	JC023
S2349-3	28-40-01-02	J1013	S2350-10	23-50-24-01	JC023
S2349-3	33-10-01-01	J1017	S2350-10	23-50-24-02	JC023
S2349-3	33-10-01-02	J1017	S2350-10	23-50-24-03	JC023
S2349-3	33-10-01-03	J1017	S2350-10	23-50-25-01	JC023
S2349-3	33-10-01-04	PC024	S2350-10	23-50-25-02	JC023
S2349-3	33-10-01-04	PC031	S2350-10	24-20-01-01	PC001
S2349-3	33-10-02-05	PC031	S2350-10	24-20-01-02	PC001
S2349-3	33-10-04-01	J1013	S2350-10	24-30-01-01	PC001
S2349-3	33-10-04-01	J1015	S2350-10	24-30-01-02	PC001
S2349-3	33-10-04-01	J1017	S2350-10	24-50-01-01	J1
S2349-3	33-10-04-01	J1019	S2350-10	24-50-01-01	PC001
S2349-3	33-10-04-02	J1013	S2350-10	24-50-01-02	J1
S2349-3	33-10-04-02	J1015	S2350-10	24-50-01-02	PC001
S2349-3	33-10-04-02	J1017	S2350-10	24-50-01-03	J1
S2349-3	33-10-04-02	J1019	S2350-10	24-50-01-04	J1
S2349-3	33-10-05-03	PC024	S2350-10	24-51-01-01	J1
S2349-3	33-10-05-04	PC024	S2350-10	24-61-01-01	PC001
S2349-3	74-10-01-03	PC024	S2350-10	24-61-01-02	PC001
S2349-3	77-20-01-01	J1017	S2350-10	24-61-01-03	PC001
S2349-3	77-20-01-02	J1017	S2350-10	24-61-02-01	PC001
S2349-3	77-40-01-01	PC031	S2350-10	24-61-03-01	JC023

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S2350-10	25-60-01-05	JC023	S2350-3	23-50-20-03	J1901
S2350-10	25-60-04-01	JC023	S2350-3	23-50-21-01	J1901
S2350-10	25-60-06-01	JC023	S2350-3	23-50-21-02	J1901
S2350-10	28-40-01-01	PC001	S2350-3	23-50-21-03	J1901
S2350-10	28-40-01-02	PC001	S2350-3	24-20-01-03	JC026
S2350-10	31-20-01-01	PC001	S2350-3	24-30-01-03	JC026
S2350-10	31-20-01-02	PC001	S2350-3	24-40-01-01	JC025
S2350-10	31-20-01-03	PC001	S2350-3	24-40-01-01	JC026
S2350-10	31-20-01-04	PC001	S2350-3	24-40-01-02	JC025
S2350-10	31-20-01-05	PC001	S2350-3	24-40-01-02	JC026
S2350-10	31-50-02-01	JC023	S2350-3	24-50-01-03	JC024
S2350-10	31-50-02-02	JC023	S2350-3	24-50-01-04	JC024
S2350-10	33-10-01-01	PC001	S2350-3	24-61-03-01	JC024
S2350-10	33-10-01-02	PC001	S2350-3	24-61-03-01	JC025
S2350-10	33-10-01-03	PC001	S2350-3	24-62-11-01	JZ900
S2350-10	33-10-02-01	PC001	S2350-3	24-62-20-01	J1901
S2350-10	33-10-02-02	PC001	S2350-3	24-62-21-01	J1901
S2350-10	33-10-02-03	PC001	S2350-3	27-50-01-03	JC024
S2350-10	33-10-02-04	PC001	S2350-3	30-30-01-02	JC026
S2350-10	33-10-05-01	PC001	S2350-3	33-10-01-04	JC024
S2350-10	33-10-05-02	PC001	S2350-3	33-10-02-05	JC026
S2350-10	33-10-05-05	PC001	S2350-3	33-10-05-03	JC024
S2350-10	33-10-06-01	PC001	S2350-3	33-10-05-04	JC024
S2350-10	33-40-01-01	PC001	S2350-3	33-40-01-05	JC026
S2350-10	33-40-01-02	PC001	S2350-3	33-40-02-04	JC026
S2350-10	33-40-01-03	PC001	S2350-3	33-40-03-02	JC026
S2350-10	33-40-01-04	PC001	S2350-3	33-40-05-03	JC026
S2350-10	33-40-02-01	PC001	S2350-3	34-20-01-01	J1901
S2350-10	33-40-02-02	J1	S2350-3	34-20-01-02	J1901
S2350-10	33-40-02-02	PC001	S2350-3	34-20-02-01	J1901
S2350-10	33-40-02-03	J1	S2350-3	34-20-02-02	J1901
S2350-10	33-40-02-03	PC001	S2350-3	34-20-04-01	J1901
S2350-10	33-40-02-04	J1	S2350-3	34-20-04-02	J1901
S2350-10	34-10-01-01	JC023	S2350-3	34-40-01-01	J1901
S2350-10	34-10-01-02	JC023	S2350-3	34-50-10-01	JZ900
S2350-10	34-20-05-01	JC023	S2350-3	34-50-10-02	J1901
S2350-10	34-20-05-02	JC023	S2350-3	34-50-10-03	J1901
S2350-10	34-21-01-01	PC001	S2350-3	34-50-11-01	J1901
S2350-10	34-50-17-01	JC023	S2350-3	34-50-11-02	J1901
S2350-10	34-50-17-02	JC023	S2350-3	34-50-12-01	J1901
S2350-10	34-51-02-01	JC023	S2350-3	34-50-12-02	J1901
S2350-10	34-51-02-02	JC023	S2350-3	34-50-12-03	J1901
S2350-10	34-53-02-01	JC023	S2350-3	34-50-13-01	J1901
S2350-10	34-53-02-02	JC023	S2350-3	34-50-20-01	JZ900
S2350-10	37-20-01-01	PC001	S2350-3	34-50-20-02	J1901
S2350-10	37-20-01-02	PC001	S2350-3	34-50-20-03	J1901
S2350-10	73-10-01-01	PC001	S2350-3	34-51-01-01	J1901
S2350-10	74-10-01-01	PC001	S2350-3	34-51-01-02	J1901
S2350-10	74-10-01-02	PC001	S2350-3	34-52-20-01	JZ900
S2350-10	77-20-01-01	PC001	S2350-3	34-52-20-02	J1901
S2350-10	77-20-01-02	PC001	S2350-3	34-52-21-01	J1901
S2350-10	79-30-01-01	PC001	S2350-3	34-52-22-01	J1901
S2350-3	21-20-01-01	JZ900	S2350-3	34-52-23-01	J1901
S2350-3	21-20-01-02	J1901	S2350-3	34-52-23-02	J1901
S2350-3	21-20-01-03	J1901	S2350-3	34-52-24-01	J1901
S2350-3	22-10-02-01	JZ900	S2350-3	34-52-25-01	J1901
S2350-3	22-10-02-02	J1901	S2350-3	34-52-26-01	J1901
S2350-3	22-10-02-03	J1901	S2350-3	34-52-27-01	J1901
S2350-3	22-10-30-01	J1901	S2350-3	34-53-01-01	J1901
S2350-3	22-10-31-01	J1901	S2350-3	34-53-01-02	J1901
S2350-3	22-10-32-01	J1901	S2350-3	34-53-01-03	J1901
S2350-3	22-10-33-01	J1901	S2350-3	73-10-01-02	JC026
S2350-3	22-10-40-01	J1901	S2350-3	74-10-01-03	JC024
S2350-3	22-10-41-01	J1901	S2350-3	77-40-01-01	JC024
S2350-3	22-10-42-01	J1901	S2350-3	77-40-01-01	JC026
S2350-3	22-10-43-01	J1901	S2350-4	23-50-22-01	JC031
S2350-3	22-10-44-01	J1901	S2350-4	23-50-22-01	JC031
S2350-3	22-10-45-01	J1901	S2350-4	23-50-24-01	JC031
S2350-3	23-50-10-01	JZ900	S2350-4	23-50-24-02	JC031
S2350-3	23-50-10-02	J1901	S2350-4	23-50-24-02	JC031
S2350-3	23-50-10-03	J1901	S2350-4	23-50-24-03	JC031
S2350-3	23-50-10-04	J1901	S2350-4	23-50-24-03	JC031
S2350-3	23-50-20-01	J1901	S2350-4	33-10-01-04	JC031
S2350-3	23-50-20-02	J1901			

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S2350-4	33-10-02-05	JC031	S2800-274	77-40-01-01	PB018
S2350-4	34-10-01-01	JC031	S2800-275	24-20-01-01	PB017
S2350-4	34-10-01-02	JC031	S2800-276	24-30-01-01	PB017
S2350-4	77-40-01-01	JC031	S2800-276	31-20-01-01	JN005
S2350-5	24-40-01-02	JC037	S2800-276	31-20-01-02	JN005
S2350-5	24-50-01-04	JC037	S2800-276	31-20-01-03	JN005
S2351-5	24-30-01-03	JC032	S2800-276	31-20-01-04	JN005
S2473-1	34-50-10-01	UI1003	S2800-276	31-20-01-05	JN005
S2473-1	34-50-11-01	UI1003	S2800-276	77-40-01-01	JN005
S2473-1	34-50-11-02	UI1003	S2800-277	77-20-01-01	JN001
S2473-1	34-50-12-01	UI1003	S2800-277	77-20-01-02	JN001
S2473-1	34-50-12-02	UI1003	S2800-277	77-40-01-01	JN004
S2473-1	34-50-12-03	UI1003	S2800-277	79-30-01-01	JN004
S2473-1	34-50-13-01	UI1003	S2800-340	77-40-01-01	JN009
S2473-1	34-50-20-01	UI1003	S2800-679	24-40-01-01	FI011
S2473-1	34-50-20-02	UI1003	S2800-679	24-40-01-02	FI011
S2473-1	34-50-20-03	UI1003	S2870-1	27-10-01-01	S1
S2521-1	27-10-01-01	L1	S2870-1	27-10-01-02	S1
S2521-1	27-10-01-02	L1	S2870-4	27-10-01-02	S2
S2521-1	33-10-02-01	L1	S2899L10.0	24-61-03-01	HI027
S2521-1	33-10-02-02	L1	S2899L10.0	24-61-03-01	HI028
S2521-1	33-10-02-03	L1	S2899L10.0	24-61-03-01	HI037
S2521-1	33-10-02-04	L1	S2899L10.0	24-61-03-01	HI041
S2521-1	33-10-02-05	L1	S2899L10.0	24-61-03-01	HI054
S2526-1	21-20-01-01	PF901	S2899L15.0	24-61-03-01	HI038
S2526-1	22-10-02-01	PF901	S2899L15.0	24-61-03-01	HI040
S2526-1	23-50-10-01	PF900	S2899L15.0	24-61-03-01	HI058
S2526-1	25-60-01-01	PF901	S2899L15.0	24-61-03-01	HI059
S2526-1	34-50-10-01	PF900	S2899L20.0	24-61-03-01	HI034
S2526-1	34-50-20-01	PF900	S2899L5.0	24-50-01-03	HI056
S2526-1	34-52-20-01	PF901	S2899L5.0	24-50-01-04	HI056
S2527-1	24-30-01-01	GI001	S2899L5.0	24-61-03-01	HI025
S2527-1	24-30-01-02	GI001	S2899L5.0	24-61-03-01	HI026
S2527-1	27-50-01-01	GI001	S2899L5.0	24-61-03-01	HI029
S2527-1	27-50-01-02	GI001	S2899L5.0	24-61-03-01	HI031
S2527-1	28-40-01-01	GI001	S2899L5.0	24-61-03-01	HI032
S2527-1	31-20-01-01	GI001	S2899L5.0	24-61-03-01	HI035
S2527-1	31-20-01-02	GI001	S2899L5.0	24-61-03-01	HI036
S2527-1	31-50-01-01	GI001	S2899L5.0	24-61-03-01	HI039
S2527-1	31-50-01-02	GI001	S2899L5.0	24-61-03-01	HI042
S2527-1	31-50-01-03	GI001	S2899L5.0	24-61-03-01	HI048
S2527-1	33-10-01-01	GI001	S2899L5.0	24-61-03-01	HI049
S2527-1	33-10-02-01	GI001	S2899L5.0	24-61-03-01	HI050
S2527-1	33-10-05-01	GI001	S2899L5.0	24-61-03-01	HI051
S2527-1	33-40-05-01	GI001	S2899L5.0	24-61-03-01	HI052
S2527-1	33-40-05-03	GI001	S2899L5.0	24-61-03-01	HI053
S2527-1	37-20-01-01	GI001	S2899L5.0	24-61-03-01	HI055
S2527-1	74-10-01-01	GI001	S2899L5.0	24-61-03-01	HI056
S2527-1	77-20-01-01	GI001	S2899L5.0	24-61-03-01	HI057
S2527-1	77-20-01-02	GI001	S2899L5.0	74-10-01-03	HI057
S2527-1	79-30-01-01	GI001	S3070-10	25-60-03-01	JT907
S2619-1	27-10-01-01	R1	S3070-10	25-60-05-01	JT907
S2619-1	27-10-01-02	R1	S3070-9	22-10-02-01	PI900
S2619-1	33-10-02-01	R1	S3070-9	22-10-02-02	PI900
S2619-1	33-10-02-02	R1	S3070-9	22-10-02-03	PI900
S2619-1	33-10-02-03	R1	S3070-9	22-10-30-01	PI900
S2619-1	33-10-02-04	R1	S3070-9	22-10-31-01	PI900
S2619-1	33-10-02-05	R1	S3070-9	22-10-32-01	PI900
S2619-1	33-10-05-02	RC001	S3070-9	22-10-33-01	PI900
S2619-1	33-10-05-03	RC001	S3070-9	22-10-40-01	PI900
S2800-274	24-20-01-01	PB018	S3070-9	22-10-41-01	PI900
S2800-274	24-20-01-02	PB018	S3070-9	22-10-42-01	PI900
S2800-274	24-20-01-03	PB018	S3070-9	22-10-43-01	PI900
S2800-274	24-30-01-01	PB018	S3070-9	22-10-44-01	PI900
S2800-274	24-30-01-02	PB018	S3070-9	22-10-45-01	PI900
S2800-274	24-30-01-03	PB018	S3070-9	22-10-46-01	PI900
S2800-274	31-20-01-01	PB018	S3070-9	22-10-47-01	PI900
S2800-274	31-20-01-02	PB018	S3070-9	23-50-10-01	PI900
S2800-274	31-20-01-03	PB018	S3070-9	23-50-10-02	PI900
S2800-274	31-20-01-04	PB018	S3070-9	23-50-10-03	PI900
S2800-274	31-20-01-05	PB018	S3070-9	23-50-10-04	PI900
S2800-274	74-10-01-01	PB018	S3070-9	23-50-20-01	PI900
S2800-274	74-10-01-02	PB018	S3070-9	23-50-20-02	PI900
S2800-274	74-10-01-03	PB018	S3070-9	23-50-20-03	PI900

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S3070-9	23-50-21-01	PI900	S3100-160	22-10-30-01	UI507
S3070-9	23-50-21-02	PI900	S3100-160	22-10-31-01	UI507
S3070-9	23-50-21-03	PI900	S3100-160	22-10-32-01	UI507
S3070-9	23-50-22-01	PI900	S3100-160	22-10-33-01	UI507
S3070-9	23-50-24-01	PI900	S3100-160	22-10-40-01	UI507
S3070-9	23-50-24-02	PI900	S3100-160	22-10-41-01	UI507
S3070-9	23-50-24-03	PI900	S3100-160	23-50-10-02	UI507
S3070-9	25-60-02-01	PT907	S3100-160	23-50-20-01	UI507
S3070-9	25-60-04-01	PT907	S3100-160	23-50-20-02	UI507
S3070-9	34-20-01-01	PI900	S3100-160	23-50-21-01	UI507
S3070-9	34-20-01-02	PI900	S3100-160	34-50-10-02	UI507
S3070-9	34-20-05-01	PI900	S3100-160	34-50-11-01	UI507
S3070-9	34-20-05-02	PI900	S3100-160	34-50-12-01	UI507
S3070-9	34-50-10-01	PI900	S3100-160	34-50-13-01	UI507
S3070-9	34-50-10-02	PI900	S3100-160	34-50-20-02	UI507
S3070-9	34-50-10-03	PI900	S3100-160	34-51-01-01	UI507
S3070-9	34-50-11-01	PI900	S3100-160	34-52-21-01	UI507
S3070-9	34-50-11-02	PI900	S3100-160	34-52-22-01	UI507
S3070-9	34-50-12-01	PI900	S3100-160	34-52-23-01	UI507
S3070-9	34-50-12-02	PI900	S3100-178	34-50-11-01	UI510
S3070-9	34-50-12-03	PI900	S3100-178	34-50-11-02	UI510
S3070-9	34-50-13-01	PI900	S3100-178	34-50-12-01	UI510
S3070-9	34-50-20-01	PI900	S3100-178	34-50-12-02	UI510
S3070-9	34-50-20-02	PI900	S3100-178	34-50-12-03	UI510
S3070-9	34-50-20-03	PI900	S3100-178	34-50-13-01	UI510
S3070-9	34-51-01-01	PI900	S3100-179	34-50-10-02	UI511
S3070-9	34-51-01-02	PI900	S3100-179	34-50-10-03	UI511
S3070-9	34-51-02-01	PI900	S3100-179	34-50-11-01	UI511
S3070-9	34-51-02-02	PI900	S3100-179	34-50-11-02	UI511
S3070-9	34-52-20-01	PI900	S3100-179	34-50-12-01	UI511
S3070-9	34-52-20-02	PI900	S3100-179	34-50-12-02	UI511
S3070-9	34-52-21-01	PI900	S3100-179	34-50-12-03	UI511
S3070-9	34-52-22-01	PI900	S3100-179	34-50-13-01	UI511
S3070-9	34-52-23-01	PI900	S3100-179	34-50-20-02	UI512
S3070-9	34-52-23-02	PI900	S3100-179	34-50-20-03	UI512
S3070-9	34-52-24-01	PI900	S3100-179	34-52-23-01	UI511
S3070-9	34-52-25-01	PI900	S3100-179	34-52-23-02	UI512
S3070-9	34-52-26-01	PI900	S3100-179	34-52-23-02	UI511
S3070-9	34-52-27-01	PI900	S3100-179	34-52-23-02	UI512
S3070-9	34-53-01-01	PI900	S3100-179	34-52-24-01	UI511
S3070-9	34-53-01-02	PI900	S3100-179	34-52-24-01	UI512
S3070-9	34-53-01-03	PI900	S3100-179	34-52-25-01	UI511
S3100-155	34-50-11-01	UI510	S3100-179	34-52-25-01	UI512
S3100-155	34-50-12-01	UI510	S3100-179	34-52-26-01	UI511
S3100-155	34-50-13-01	UI510	S3100-179	34-52-26-01	UI512
S3100-156	34-50-10-02	UI511	S3100-179	34-52-27-01	UI511
S3100-156	34-50-11-01	UI511	S3100-179	34-52-27-01	UI512
S3100-156	34-50-11-02	UI511	S3100-180	22-10-40-01	UT300
S3100-156	34-50-12-01	UI511	S3100-180	22-10-40-01	UT301
S3100-156	34-50-13-01	UI511	S3100-180	22-10-41-01	UT300
S3100-156	34-50-20-02	UI512	S3100-180	22-10-41-01	UT301
S3100-156	34-52-23-01	UI511	S3100-180	22-10-42-01	UT300
S3100-156	34-52-23-01	UI512	S3100-180	22-10-43-01	UT300
S3100-157	34-50-10-02	UI601	S3100-253	22-10-42-01	UT300
S3100-157	34-50-10-03	UI601	S3100-253	22-10-42-01	UT301
S3100-157	34-50-11-01	UI605	S3100-253	22-10-43-01	UT300
S3100-157	34-50-20-01	UI503	S3100-253	22-10-43-01	UT301
S3100-157	34-50-20-01	UI601	S3100-253	22-10-44-01	UT300
S3100-157	34-50-20-02	UI601	S3100-253	22-10-44-01	UT301
S3100-157	34-50-20-03	UI601	S3100-253	22-10-45-01	UT300
S3100-158	22-10-30-01	UI604	S3100-253	22-10-45-01	UT301
S3100-158	22-10-32-01	UI604	S3106-4	23-50-10-01	DI100
S3100-158	22-10-41-01	UI604	S3106-4	23-50-10-01	DI101
S3100-158	22-10-43-01	UI604	S3271-1-1	24-61-01-01	SI001
S3100-158	22-10-44-01	UI604	S3271-1-1	24-61-01-02	SI001
S3100-158	34-50-11-02	UI604	S3272-1-1	24-30-01-01	SI009
S3100-158	34-50-12-01	UI604	S3272-1-1	24-30-01-02	SI009
S3100-158	34-52-21-01	UI604	S3272-1-1	24-30-01-03	SI009
S3100-158	34-52-23-01	UI604	S3272-1-1	24-40-01-01	SI009
S3100-158	34-52-23-02	UI604	S3272-1-1	24-40-01-02	SI009
S3100-158	34-52-24-01	UI604	S3272-1-1	24-61-01-01	SI009
S3100-158	34-52-27-01	UI604	S3272-1-1	24-61-01-02	SI009
S3100-160	22-10-02-02	UI507	S3272-1-1	24-61-01-03	SI009
S3100-160	22-10-02-03	UI507	S3272-1-1	24-61-02-01	SI009

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S3277-2	33-10-01-01	EI014	S3330-1	22-10-44-01	UI302
S3277-2	33-10-01-02	EI014	S3330-1	33-10-03-01	EI007
S3277-2	33-10-04-01	EI014	S3330-1	34-20-02-01	UT302
S3277-2	77-20-01-01	EI014	S3330-1	34-20-02-02	UT302
S3277-2	77-20-01-02	EI014	S3331-2	28-40-01-01	UL002
S3277-4	33-10-01-01	EI024	S3331-2	28-40-01-01	UR002
S3277-4	33-10-01-02	EI024	S3331-2	28-40-01-02	UL002
S3277-4	33-10-04-02	EI024	S3331-2	77-40-01-01	UL002
S3277-4	77-20-01-02	EI024	S3371-1	33-10-09-01	EI023
S3277-6	33-10-01-02	EI014	S3443-1-1	24-40-01-01	SI010
S3277-6	33-10-01-03	EI014	S3443-1-1	24-40-01-02	SI010
S3277-6	33-10-04-02	EI014	S3443-1-1	24-61-01-03	SI010
S3277-8	33-10-01-02	EI024	S3443-1-1	24-61-02-01	SI010
S3277-8	33-10-01-03	EI024	S3491-1	25-60-06-01	HC900
S3277-8	77-20-01-02	EI024	S3491-2	25-60-04-01	HC901
S3279-1	33-10-04-01	EI001	S3556-11	34-10-01-01	JF300
S3279-1	33-10-04-02	EI001	S3556-11	34-10-01-02	JF300
S3279-1	79-30-01-01	EI001	S3556-12	25-60-01-04	JZ906
S3280-1	24-30-01-01	EI012	S3556-12	25-60-01-05	JZ906
S3280-1	24-30-01-02	EI012	S3556-13	23-21-01-01	JC523
S3280-1	33-10-04-01	EI012	S3556-13	23-21-01-02	JC523
S3280-1	33-10-04-02	EI012	S3556-21	23-50-24-03	JC522
S3281-2	28-40-01-01	EI011	S3556-4	23-50-10-04	PC522
S3281-2	28-40-01-02	EI011	S3556-4	23-50-21-03	PC522
S3281-2	33-10-04-01	EI011	S3556-4	23-50-24-01	PC522
S3281-2	33-10-04-02	EI011	S3556-4	23-50-24-03	PC522
S3284-1	23-50-10-04	PF1001	S3556-4	34-10-01-01	PF300
S3284-1	23-50-20-03	PF1001	S3556-4	34-10-01-02	PF300
S3284-1	23-50-21-03	PF1001	S3556-5	25-60-01-04	PZ906
S3284-1	23-50-25-01	PT1011	S3556-5	25-60-01-05	PZ906
S3284-1	23-50-25-01	PT1012	S3556-6	23-20-01-01	PC523
S3284-1	23-50-25-01	PT1013	S3556-6	23-21-01-01	PC523
S3284-1	23-50-25-01	PT1014	S3556-6	23-21-01-02	PC523
S3284-1	23-50-25-01	PT1015	S3594-1	28-40-01-01	UR002
S3284-1	23-50-25-01	PT1016	S3594-1	28-40-01-02	UR002
S3284-1	23-50-25-01	PT1017	S3594-1	77-40-01-01	UR002
S3284-1	23-50-25-01	PT1018	S3827-1	33-10-03-01	EI010
S3284-1	23-50-25-01	PT1019	S3827-1	33-10-03-02	EI010
S3284-1	23-50-25-01	PT1020	S3827-1	33-10-09-01	EI010
S3284-1	23-50-25-01	PT1022	SK2701	21-20-01-02	PF903
S3284-1	23-50-25-01	PT1023	SK2701	21-20-01-03	PF903
S3284-1	23-50-25-02	PT1011	SK2701	22-10-02-02	PF902
S3284-1	23-50-25-02	PT1012	SK2701	22-10-02-03	PF902
S3284-1	23-50-25-02	PT1013	SK2701	22-10-30-01	PF902
S3284-1	23-50-25-02	PT1014	SK2701	22-10-30-01	PF903
S3284-1	23-50-25-02	PT1015	SK2701	22-10-31-01	PF902
S3284-1	23-50-25-02	PT1016	SK2701	22-10-31-01	PF903
S3284-1	23-50-25-02	PT1017	SK2701	22-10-32-01	PF902
S3284-1	23-50-25-02	PT1018	SK2701	22-10-32-01	PF903
S3284-1	23-50-25-02	PT1019	SK2701	22-10-33-01	PF902
S3284-1	23-50-25-02	PT1020	SK2701	22-10-33-01	PF903
S3284-1	23-50-25-02	PT1022	SK2701	22-10-40-01	PF902
S3284-1	23-50-25-02	PT1023	SK2701	22-10-40-01	PF903
S3284-1	34-20-04-02	PT1008	SK2701	22-10-41-01	PF902
S3284-1	34-20-04-02	PT1009	SK2701	22-10-41-01	PF903
S3284-1	34-53-02-01	PT1010	SK2701	22-10-42-01	PF903
S3284-1	34-53-02-02	PT1010	SK2701	22-10-43-01	PF903
S3291-1	33-10-03-01	EI004	SK2701	22-10-44-01	PF903
S3325-1	33-10-03-01	EI008	SK2701	22-10-45-01	PF903
S3325-1	33-10-03-02	EI008	SK2701	22-10-46-01	PF902
S3325-6	33-10-03-01	EI025	SK2701	22-10-46-01	PF903
S3325-6	33-10-03-02	EI025	SK2701	22-10-46-01	PT903
S3326-1	33-10-03-01	EI009	SK2701	22-10-47-01	PF902
S3326-1	33-10-03-02	EI009	SK2701	22-10-47-01	PF903
S3327-1	33-10-03-01	EI006	SK2701	23-20-01-01	PT903
S3328-1	33-10-03-01	EI010	SK2701	23-21-01-01	PT903
S3328-1	33-10-09-01	EI010	SK2701	23-21-01-02	PT902
S3329-1	33-10-03-01	EI005	SK2701	23-50-10-02	PF902
S3329-5	33-10-03-01	EI005	SK2701	23-50-10-02	PF903
S3329-5	33-10-03-01	EI026	SK2701	23-50-10-03	PF902
S3330-1	22-10-30-01	UI302	SK2701	23-50-10-03	PF903
S3330-1	22-10-32-01	UI302	SK2701	23-50-10-04	PF902
S3330-1	22-10-41-01	UI302	SK2701	23-50-10-04	PF903
S3330-1	22-10-43-01	UI302	SK2701	23-50-20-01	PF902

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SK2701	23-50-20-01	PF903	SK2701	34-53-01-02	PF903
SK2701	23-50-20-02	PF902	SK2701	34-53-01-03	PF903
SK2701	23-50-20-02	PF903	SK2701	34-53-02-01	PT902
SK2701	23-50-20-03	PF902	SK2701	34-53-02-01	PT903
SK2701	23-50-20-03	PF903	SK2701	34-53-02-02	PT902
SK2701	23-50-21-01	PF902	SSD120-20	34-52-20-01	UC800
SK2701	23-50-21-01	PF903	SSD120-20	34-52-20-02	UC800
SK2701	23-50-21-02	PF902	SSD120-20	34-52-21-01	UC800
SK2701	23-50-21-02	PF903	SSD120-20	34-52-22-01	UC800
SK2701	23-50-21-03	PF902	SSD120-20	34-53-01-02	UC800
SK2701	23-50-21-03	PF903	SSD120-30A	34-52-20-02	UC800
SK2701	23-50-22-01	PF902	SSD120-30A	34-52-21-01	UC800
SK2701	23-50-22-01	PT903	SSD120-30A	34-52-22-01	UC800
SK2701	23-50-22-01	PF903	SSD120-30A	34-52-22-01	UC800
SK2701	23-50-24-01	PF902	SSD120-30A	34-52-23-01	UC800
SK2701	23-50-24-01	PT903	SSD120-30A	34-52-23-02	UC800
SK2701	23-50-24-01	PF903	SSD120-30A	34-52-24-01	UC800
SK2701	23-50-24-02	PF902	SSD120-30A	34-52-25-01	UC800
SK2701	23-50-24-02	PF903	SSD120-30A	34-52-26-01	UC800
SK2701	23-50-24-03	PF902	SSD120-30A	34-52-27-01	UC800
SK2701	23-50-24-03	PF903	SSD120-30A	34-53-01-01	UC800
SK2701	23-50-25-01	PT902	SSD120-30A	34-53-01-02	UC800
SK2701	23-50-25-02	PT902	SSD120-30A	34-53-01-03	UC800
SK2701	25-60-01-02	PF902	UG88C/U	23-50-10-02	PF1001
SK2701	25-60-01-03	PF902	UG88C/U	23-50-10-03	PF1001
SK2701	25-60-01-04	PF902	UG88C/U	23-50-20-01	PF1001
SK2701	25-60-01-05	PF902	UG88C/U	23-50-20-02	PF1001
SK2701	31-50-02-01	PF902	UG88C/U	23-50-20-03	PF1001
SK2701	31-50-02-02	PF902	UG88C/U	23-50-21-01	PF1001
SK2701	33-10-02-02	PF902	UG88C/U	23-50-21-02	PF1001
SK2701	33-10-02-03	PF902	UG88C/U	23-50-25-01	PV1002
SK2701	33-10-02-04	PF902	UG88C/U	23-50-25-02	PV1002
SK2701	33-10-02-05	PF902	UG88C/U	25-60-02-01	PT1029
SK2701	34-10-01-01	PT902	UG88C/U	25-60-03-01	PT1029
SK2701	34-10-01-01	PT903	UG88C/U	25-60-04-01	PT1029
SK2701	34-10-01-02	PT902	UG88C/U	25-60-05-01	PT1029
SK2701	34-10-01-02	PT903	UG88C/U	25-60-06-01	PT1029
SK2701	34-20-01-01	PF903	UG88C/U	34-50-01-01	PV1001
SK2701	34-20-01-02	PF903	UG88C/U	34-50-01-02	PV1001
SK2701	34-20-02-01	PF902	UG88C/U	34-50-10-01	PI1003
SK2701	34-20-02-01	PF903	UG88C/U	34-50-10-01	PI1005
SK2701	34-20-02-02	PF903	UG88C/U	34-50-10-02	PV1002
SK2701	34-20-05-01	PT903	UG88C/U	34-50-10-03	PV1002
SK2701	34-20-05-01	PF902	UG88C/U	34-50-11-01	PI1003
SK2701	34-20-05-01	PF903	UG88C/U	34-50-11-01	PI1005
SK2701	34-20-05-02	PF902	UG88C/U	34-50-11-01	PV1002
SK2701	34-20-05-02	PF903	UG88C/U	34-50-11-02	PI1003
SK2701	34-50-10-02	PF902	UG88C/U	34-50-11-02	PI1005
SK2701	34-50-10-03	PF902	UG88C/U	34-50-11-02	PV1002
SK2701	34-50-11-01	PF902	UG88C/U	34-50-12-01	PI1003
SK2701	34-50-11-02	PF902	UG88C/U	34-50-12-01	PI1005
SK2701	34-50-12-01	PF902	UG88C/U	34-50-12-01	PV1002
SK2701	34-50-12-02	PF902	UG88C/U	34-50-12-02	PI1003
SK2701	34-50-12-03	PF902	UG88C/U	34-50-12-02	PI1005
SK2701	34-50-13-01	PF902	UG88C/U	34-50-12-02	PV1002
SK2701	34-50-17-01	PT902	UG88C/U	34-50-12-03	PI1003
SK2701	34-50-17-02	PT902	UG88C/U	34-50-12-03	PI1005
SK2701	34-50-20-02	PF902	UG88C/U	34-50-12-03	PV1002
SK2701	34-50-20-03	PF902	UG88C/U	34-50-13-01	PI1003
SK2701	34-51-01-01	PF902	UG88C/U	34-50-13-01	PI1005
SK2701	34-51-01-02	PF902	UG88C/U	34-50-13-01	PV1002
SK2701	34-51-02-01	PF903	UG88C/U	34-50-17-01	PF1011
SK2701	34-51-02-02	PF903	UG88C/U	34-50-17-02	PF1011
SK2701	34-52-20-02	PF903	UG88C/U	34-50-20-01	PC1002
SK2701	34-52-21-01	PF903	UG88C/U	34-50-20-01	PI1010
SK2701	34-52-22-01	PF903	UG88C/U	34-50-20-02	PI1010
SK2701	34-52-23-01	PF903	UG913A/U	34-50-20-03	PI1010
SK2701	34-52-23-02	PF903	UG913A/U	23-50-22-01	PF1001
SK2701	34-52-24-01	PF903	UG913A/U	23-50-24-01	PF1001
SK2701	34-52-25-01	PF903	UG913A/U	23-50-24-02	PF1001
SK2701	34-52-26-01	PF903	UG913A/U	23-50-24-03	PF1001
SK2701	34-52-27-01	PF903	UG913A/U	23-50-25-01	PC1007
SK2701	34-53-01-01	PF903	UG913A/U	23-50-25-01	PF1002
				23-50-25-02	PC1007
				23-50-25-02	PF1002

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UG913A/U	25-60-02-01	PT1030			
UG913A/U	25-60-03-01	PT1030			
UG913A/U	25-60-04-01	PT1030			
UG913A/U	25-60-05-01	PT1030			
UG913A/U	25-60-06-01	PT1030			
UG913A/U	34-50-10-02	PF1002			
UG913A/U	34-50-10-03	PF1002			
UG913A/U	34-50-11-01	PF1002			
UG913A/U	34-50-11-02	PF1002			
UG913A/U	34-50-12-01	PF1002			
UG913A/U	34-50-12-02	PF1002			
UG913A/U	34-50-12-03	PF1002			
UG913A/U	34-50-13-01	PF1002			
UG913A/U	34-50-20-02	PC1007			
UG913A/U	34-50-20-03	PC1007			
UG913A/U	34-53-01-01	PC1006			
UG913A/U	34-53-01-02	PC1006			
UG913A/U	34-53-01-03	PC1006			
UG913A/U	34-53-02-01	PC1006			
UG913A/U	34-53-02-02	PC1006			

CHAPTER

20

**STANDARD
PRACTICES -
AIRFRAME**

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[illegible]

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RESISTORS - MAINTENANCE PRACTICES	20-10-08		
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ELECTRICAL SAFETY PRECAUTIONS - DESCRIPTION AND OPERATION

1. General

- A. This section contains general information on physical and chemical processes which require the use of chemicals, solvents or other commercially available materials.
- B. The user of this publication should obtain the material safety data sheets (Occupational Safety and Health Act (OSHA) Form 20 or equivalent) from the manufacturers or suppliers of materials to be used. The user must become completely familiar with the manufacturer/supplier information and adhere to the procedures, recommendations, warnings, and cautions of the manufacturer/supplier for the safe use, handling, storage and disposal of these materials. Users of this manual are also advised to refer to pertinent safety information contained in the "NIOSH Occupational Guideline for Chemical Hazards" published by the United States Department of Labor.
- C. **WARNINGS** are provided to alert operating and maintenance personnel to potential hazards that could result in personal injury; they do not replace the manufacturers' recommendations.
- D. **CAUTIONS** are provided to alert operating and maintenance personnel to conditions that could result in equipment damage.

2. General Safety Warnings

WARNING: BEFORE USING ANY OF THE FOLLOWING MATERIALS, BE AWARE OF ALL HANDLING, STORAGE AND DISPOSAL PRECAUTIONS RECOMMENDED BY THE MANUFACTURER OR SUPPLIER. FAILURE TO COMPLY WITH MANUFACTURER'S OR SUPPLIER'S RECOMMENDATIONS MAY RESULT IN SERIOUS INJURY, PHYSICAL DISORDER OR DEATH.

- A. Xylene is toxic and flammable. Do not breathe vapors. Use in a well ventilated area free from sparks, flame or hot surfaces. Wear splash goggles, solvent resistant gloves and other protective gear. In case of eye contact, flush with water and seek medical attention. In case of skin contact, wash with soap and water.
- B. Isopropyl alcohol is toxic. Do not breathe vapors. Use in well ventilated area free from sparks, flame or hot surfaces. Wear splash goggles, solvent resistant gloves and other protective gear. In case of eye contact, flush with water and seek medical attention. In case of skin contact, wash with soap and water.
- C. 1,1,1 trichloroethane is toxic. Do not breathe vapors. Use in well ventilated area free from sparks, flame or hot surfaces. Wear splash goggles, solvent resistant gloves and other protective gear. In case of eye contact, flush with water and seek medical attention. In case of skin contact, wash with soap and water.
- D. Acid chromate deoxidizing solution is corrosive to human tissue. Do not breathe vapors. Use in well ventilated area. Wear chemical resistant clothing, gloves, splash goggles and face shield. In case of eye or skin contact, flush with water and seek medical attention.
- E. Chromate chemical conversion coating and nitric acid are both corrosive to human tissue. Do not breathe vapors. Use in well ventilated area. Wear chemical resistant clothing, gloves, splash goggles and face shield. In case of eye or skin contact, flush with water and seek medical attention.
- F. Alcohol base rosin solder flux is flammable. Use in well ventilated area free from sparks, flame or hot surfaces.
- G. When using compressed air for cleaning or drying, regulate pressure to 29 pounds per square inch or less. Wear goggles or face shield to protect eyes.

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3. General Cautions

- A. Solder type relay terminals to which no leads are connected should be protected with shrinkable tubing to prevent the possibility of shorting or grounding resulting in erratic operation or damage.
- B. Reduce all power supplies to zero before connecting or disconnecting electrical devices.
- C. Tag and identify wires as they are removed from connector or any other electrical device to facilitate reinstallation.

4. Printed Circuit Board Repair Cautions

- A. Repair of printed circuit board assemblies by other than experienced technicians is not recommended. Unless a malfunction can be localized to a particular component, an entire board should be replaced to correct a fault.
- B. Semiconductor devices are heat sensitive. Use a suitable heat dissipater between solder connection and body of component when soldering or removing solder connections.
 - (1) All solder and solder removal tools should be low wattage (40 watt) and low temperature (750° maximum). Do not overheat the circuit board lands.
 - (2) To avoid heat damage, remove solder joint within three seconds and solder a joint within two seconds.
 - (3) Excessive pressure from a solder or solder removal tool can delaminate the circuit pads or runs. Use a light touch when using these devices.
 - (4) Avoid placing the hot soldering iron near components or printed circuitry when iron is not in use.
- C. Use only rosin cored solder material conforming to Federal Specifications QQ-S-571, Composition Sn60. Use rosin solder flux with an alcohol base. In no case is acid core solder or acid base flux to be used to install electrical components.
- D. Do not use ultrasonic equipment, Methyl n-Propyl Ketone or chlorinated hydrocarbon solutions to clean printed circuit board assemblies.
- E. Steel wool, steel wire brushes and abrasives containing iron or iron oxide shall not be used for mechanical cleaning.
- F. Use care when handling printed circuit board assemblies to avoid flexing and cracking boards and to avoid wire breakage at soldered connections.
- G. Special Handling of Static Sensitive Devices.
 - (1) Integrated circuits and some other components used on printed circuit boards can be damaged by static electricity.
 - (2) Use precautionary procedures when touching, removing or inserting components and assemblies identified as being electrostatic discharge sensitive.
 - (3) Static sensitive devices are sent from the manufacturer with conducting material shorting the leads. Maintain the short on the device leads and case while storing or moving components.
 - (4) Keep static sensitive devices in their containers in the same configuration as they were originally shipped whenever possible. Place the containers on a grounded metal plate at any station where operations are to be performed. Do not remove container cover unless in a static free area.
 - (5) Repair personnel shall ground themselves before handling any static sensitive device.
 - (6) Personnel shall wear a conductive wrist strap connected to a ground having a resistance of 0.25 to 2 megohms.
 - (7) Handle devices only when necessary, and then by first grasping the ceramic body or the metal can before touching any of the individual leads with tweezers or other tools. Do not handle by leads or terminals. Ceramic packages with brazed leads require extra careful handling to avoid breaking off the leads since bending and twisting can fracture the braze.
 - (8) Perform all assembly operations involving static sensitive devices on a grounded conductive surface having a resistance of 100K ohms to 2 megohms/per square.
 - (9) Electrically ground all metal cabinets and conductive containers used for storing static sensitive devices.

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- (10) Personnel shall wear smocks made of cotton or antistatic nylon. Do not use smocks made from ordinary nylon or other synthetic materials. Antistatic garments shall be plainly marked.
- (11) All electrical assembly equipment (soldering irons and tips, insulation strippers, heat guns, etc.) must be grounded. All solder and solder removal tools and equipment must also be grounded. Ionized air blowers can be used to reduce charge buildup in areas where grounding is not possible or desirable.

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WIRING - MAINTENANCE PRACTICES

1. General

- A. The airplane wiring consists of electrical (power) and electronic (avionics) wiring.
- B. Whenever an electrical circuit has been disconnected for maintenance or inspection purposes, the circuit shall be tested for integrity by performing an operational test or continuity check of all circuits involved.

2. Wire Types

- A. Refer to Figure 201 for examples of each category.

3. Wire Specification

- A. Wire specifications are identified by a combination of letters and numbers that define the wire, number of cables, shield style and material and jacket material. This specification may or may not be embossed on the wire jacket.
- B. Replace wires with the type specified, if defined in the applicable wiring diagram.
- C. When the wire specification is not defined in the applicable wiring diagram, the following procedure should be used to determine wire specification when ordering for replacement purposes.
 - (1) First determine the wire type by referring to Figure 201.
 - (2) Determine wire gage by referring to the wire identification number on the applicable wiring diagram.

EXAMPLE: HJF162-96PF15(20) - wire gage is 20.

- (3) Determine the number of conductors by referring to the applicable wiring diagram
- (4) For unshielded single conductor wires use the following procedure.

NOTE: Always use the following information to determine wire specification even if the wire being replaced has a different wire specification than that shown. Due to specification changes and superseding wire specification numbers, the wire specification of the wire being replaced may not be in use any longer.

- (a) Refer to Table 201 to determine base part number and refer to Table 202 for color codes. Part number is (BASE PART NUMBER) - (GAGE) - (COLOR)

Table 201. Single Conductor, Unshielded Wires

SPECIFICATION	USE	EFFECTIVITY
MIL-W-22759/16	Non-shielded single conductor wire: 22 thru 4 gage.	17280001 - 17280938 172S8001 - 172S8755
MIL-W-22759/16	8 thru 4 gage	17280939 & On 172S8756 & On
MIL-W-81044/12	Non-shielded single conductor wire used aft of firewall only: 22 thru 12 gage	17280939 & On 172S8756 & On
MIL-W-81044/9	Non-shielded single conductor wire used forward of firewall: 20 thru 10 gage.	17280939 & On 172S8756 & On
M27500-**TG*T14	Shielded wire: **Gage (22 thru 14) *Number of conductors	17280001 & On 172S8001 & On

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Table 202. Color Codes for Single Conductor, Unshielded Wires

0=BLACK	1=BROWN	2=RED	3=ORANGE	4=YELLOW
5=GREEN	6=BLUE	7=VIOLET	8=GRAY	9=WHITE

EXAMPLE: HJF162-96PF15(22), single conductor wire not requiring high temperature wire has a wire specification of M81044/12-22-9.

EXAMPLE: 3S183-SP227(20), single conductor high temperature wire has a wire specification of M22759/3-20-9.

EXAMPLE: GND17-ESG1(00), single conductor starter generator has a wire specification of M22759/41-00-9.

- (5) For twisted unshielded wire uses part number M27500 - (GAGE) ML * U00. Substitute * with the number of conductors.

EXAMPLE: Pair of wires, EJF28-MPF143(20) WHITE and FJF28-KPF143(20) BLACK (shown as pair on diagram) has a wire specification of M27500-20ML2U00.

- (6) For Shielded single and multiconductor wire use Part number M27500 - (GAGE) ML * T08. Substitute * with the number of conductors.

EXAMPLE: 9PT52-9PT54(22) (shown as shielded on the diagram) has a wire specification of M27500-22ML1T08.

D. Single Conductor Shielded, Jacketed and Multiconductor Wires.

- (1) Refer to Figure 202 for an explanation of MIL-C-27500 part numbers.

E. Special wires are used in the control wheels.

- (1) Order S3333-1 Multiconductor Cable for the left control wheel.
(2) Order S3333-2 Multiconductor Cable for the left control wheel with Electric Trim.
(3) Order S3333-3 Multiconductor Cable for the right control wheel.

4. Wire Identification

A. Refer to Introduction for details of wire numbering.

- B. Each wire shall be identified with legible characters at intervals not exceeding 15 inches for the length of the wire. The wire should also be marked approximately 3 inches from each break or each terminal except that this distance can be increased to install ties, clamps, connectors, supporting devices or terminals.

- C. No identification marks or numbers are required on external wires that are part of vendor furnished equipment.

- D. Wires or cables less than 3 inches in length need not be identified.

E. Wire identification can be marked on the wire as follows:

- (1) Hot embossing of single wire.
(2) Hot embossing of pressure sensitive tape.
(3) The marking of vinyl sleeves.
(4) The marking of printing foils.

- F. Coaxial cables may be identified by applying the identification code directly to shrink tubing and installing within 3 inches of termination.

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Wire, single conductor unshielded

————— HJF162-96PF15(22) —————

High temperature wire, unshielded (wire number is underlined>

————— 3S183-SP227(20) —————

Twisted pair of wires, unshielded

⊗ ——— 23PF119-CPF41(22)WHITE ——— ⊗
⊙ ——— 8PF119-EPF41(22)BLACK ——— ⊙

Shielded single conductor

⊖ ——— 9PT52-9PT54(22) ——— ⊖

Shielded two conductor

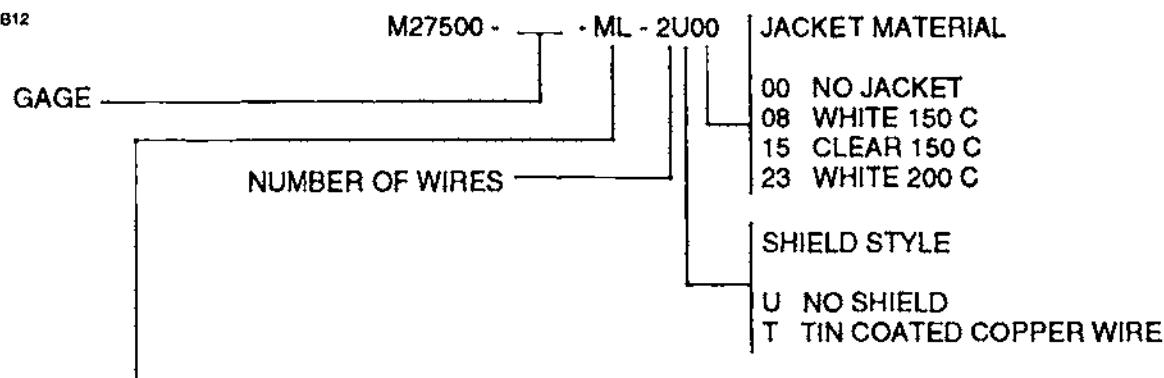
⊖ ——— EJJ28-MPF143(20)WHITE ——— ⊖
⊖ ——— FJJ28-KPF143(20)BLACK ——— ⊖

NOTE: CAN BE SHOWN WITH OR WITHOUT WIRE NUMBERS.

Wire Categories
Figure 201 (Sheet 1)

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SPECIFICATION	TEMPERATURE RANGE	USE
ML	-65 C to 150 C	All general airplane wiring: 24 gage to 12 gage. General airplane wiring and where high temperature wire is required except engine area and fire detection: 22 gage to 00 gage.
RA	-65 C to 260 C	
SM	-65 C to 200 C	High abrasion resistance power cable: 24 gage to 00 gage.
JA	-54 C to 260 C	High temperature and fire resistant engines and fire detect: 22 gage to 00 gage.

Wire Part Numbers
 Figure 202 (Sheet 1)

5. Reidentification of Wires

- A. Reidentification of a wire is required when wire runs are replaced or when existing wire is used for new purposes.

6. Tools and Equipment

NOTE: The materials (or equivalent) listed in Table 203 are required.

Table 203. Tools and Equipment

NAME	NUMBER	MANUFACTURER	USE
Aliphatic Naphtha	TT-N-95	Locally available	Cleaning agent.
Petrolatum	AN-P-51	Locally available	Wire installation.
Twine	MIL-T-713	Locally available	Wire installation ties.
Vinyl Tape	CT-93C	Resin Industries Inc. Santa Barbara, CA	Wrapping cables.
Sleeving	MIL-I-7444B Type I	Locally available	Insulation and protection.
Sleeving	MIL-I-7444B Type II	Locally available	Identification of wires.
Lacquer	MIL-L-7178	Locally available	Overcoating ties.
Fiberglass Cord	MIL-Y-1140	Locally available	Wire installation ties.

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Table 203. Tools and Equipment (continued)

NAME	NUMBER	MANUFACTURER	USE
Tape, Adhesive Insulating	MIL-I-7798	Locally available	Insulation and wire repair.
Braided Glass Sleeving	MIL-I-3190	Locally available	Protect wires from abrasion.
Insulation Tubing	MIL-I-23053/5	Raychem Corp. 300 Constitution Dr. Menlo Park, CA 94025	Heat shrink insulation.
Glass Tape	Fabric P31D	Permacel Division Johnson and Johnson P.O. Box 671 New Brunswick, NJ 08903	High Temperature Insulation
Tie (Sta-Strap)	MS3367	Locally available	Tying wire bundles.
Tie Tool	Panduit GS-2B	Panduit Corp.	Installing ties.
Red Glyptal Insulating Varnish	90-2	GC Electronics Division of Hydrometals, Inc. 6820 Latijere Blvd. Los Angeles, CA 90045	Coat areas adjacent to wire bundles for insulation
Tape, Pressure Sensitive	365	Minnesota Mining and Mfg. Co. St. Paul, MN 55101	High temperature insulation and repair.

7. Removal/Installation of Wires

- A. Install Wire. Observe the following general rules when installing wires in open runs.
- (1) Avoid crossovers, twists and kinks.
 - (2) Wiring shall not be attached to or supported by plumbing lines containing flammable liquids or oxygen. Where possible, wire should be routed above these lines.
 - (a) Wires and cables should be located a minimum of 6 inches from lines where practical.
 - (b) A separation of between 2 and 6 inches is acceptable, provided the wires are rigidly clamped.
 - (c) When a minimum of 2 inches cannot be maintained, a separation of between 0.5 to 2 inches shall be acceptable, provided the electrical wires are rigidly clamped and covered with electrical insulating material.
 - (3) Cables installed in locations where fluid can be trapped must be protected against contamination by fluid.
 - (a) All wiring insulation shall be protected from moisture deterioration by using drain holes in the tubing, sleeving or conduit and by keeping wiring out of sumps and areas of excessive moisture.
 - (b) When routed through areas where cables may become saturated with oil, they shall be enclosed in conduits.

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CAUTION: MAKE SURE THAT FLUID DOES NOT CONTACT WIRES, AND REMOVE ANY FLUID FROM THE WIRES, THE HARDWARE THAT HOLDS THEM, OR AVIONICS AND ELECTRICAL EQUIPMENT. COLLECT AND DISCARD ANY FLUID SPILLED WITH CLOTHS, PLASTIC SHEETS, AND CONTAINERS. FLUID CONTAMINATION CAN CAUSE WIRE INSULATOR DETERIORATION AND SHORT CIRCUITS.

- (4) Wires shall not be routed closer than 3 inches to components producing heat in excess of 140°F. Wires required to connect with heat producing components shall be routed directly away from the component and maintain the 3 inch clearance thereafter. Wiring operating in elevated temperatures shall be wrapped with tape or contained in conduits.
- (5) Wires and cables shall be positioned or protected to avoid contact with rough or irregular surfaces and sharp edges.
 - (a) All wiring shall be protected from chafing by the use of grommets, protective sleeves, by proper support and correct routing.
 - (b) All screws or metal edges that are within 0.20 inch of a wire or cable shall be coated with Glyptal, protected by nylon caterpillar-type grommets or other protection.
 - (c) Wiring shall be routed to avoid contact with moving parts.
 - (d) Wiring around sharp edges should be avoided at all times.

CAUTION: USE A CLOTH TO COVER ANY WIRES, AVIONICS OR ELECTRICAL EQUIPMENT THAT IS IN A LOCATION WHERE METAL CHIPS OR SHAVINGS CAN FALL. BE SURE TO REMOVE ANY METAL CHIPS OR SHAVINGS FROM WIRES, AVIONICS AND ELECTRICAL EQUIPMENT. CONTAMINATION FROM METAL SHAVINGS CAN CAUSE WIRE INSULATOR DETERIORATION AND SHORT CIRCUITS

- (e) Wiring shall be routed so they will not be crushed or pinched during installation.
- (6) Lightly coat wire with petroleum jelly or water before pulling through pressure feed-thru.
- (7) Leave enough slack in wiring to accomplish the following:
 - (a) Permit staking of terminals.
 - (b) Ease of maintenance.
 - (c) Permit free movement of shock-mounted equipment.
 - (d) Prevent mechanical strain on wiring and wiring supports.
 - (e) Provide adequate drip and service loops.

CAUTION: DRIP LOOPS MUST BE ARRANGED SO THAT DRIP FROM LOOP DOES NOT FALL ON EQUIPMENT WHICH MIGHT BE ADVERSELY AFFECTED. ON MOISTURE RESISTANT CONNECTORS, DRIP LOOPS MAY BE OMITTED WHERE SPACE IS LIMITED. COAXIAL CABLE ASSEMBLIES IDENTIFIED AS IMPEDANCE MATCHING UNITS MUST BE A SPECIFIED LENGTH. DO NOT SHORTEN CABLE TO REMOVE EXCESS SLACK.

- (8) The securing of wire groups, bundles, sleeves, adapter clamps and tape shall be accomplished with a clove hitch knot secured with a square knot. Refer to Figure 203.
 - (a) MIL-T-713 twine and Sta-straps shall be limited in use to operational temperatures of less than 200°F.
 - (b) The free ends of the MIL-T-713 twine shall be a minimum of 3/8 inch long.
 - (c) Wire groups or bundles shall be tied at intervals not to exceed 12 inches.

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- (d) Insulating sleeving over splices and identification sleeves shall be bound securely at both ends. The ties shall be made approximately 1/4 inch from the ends of the sleeves. Sleeves over bare terminals shall be tied at one end only or the tie shall be made around the wire or cable at the end of the sleeve away from the terminal.
- (e) Wires or cables in conduit or insulating sleeving shall not be tied.
- (f) In no case shall a tie be drawn so tightly that cutting or penetration of the conductor jacket or insulation will result.
- (g) Tying cord shall not be used for support of the bundle.
- (h) Two or more wire groups may be tied to each other and installed in the same clamp provided sufficient ties are left on the individual groups to retain group identity.
- (i) When cable groups cross each other, they shall be tied together at point of contact.
- (9) The minimum bend radius of any cable other than coaxial cable is ten times the outside diameter of the cable.
 - (a) At terminals where the cable is suitably supported, the minimum radius may be five times the outside diameter.
 - (b) When impractical to meet radius requirements, shorter bend radii are permitted if the bend is enclosed in insulated tubing. For electrical equipment and accessories, the minimum bend radius may be three times the diameter of the wire.
 - (c) For coaxial cables, the minimum bend radius shall be six times the outside diameter of the cable.
- (10) Wiring shall be routed in open areas where visible for maintenance when possible.
- (11) Adhesive tapes, which will dry out in service, produce chemical reaction with wire insulation or absorb moisture, shall not be used.
- (12) Wiring shall be supported at intervals of not more than 12 inches except when contained in ducts or conduits.
 - (a) Tie wraps shall be used to maintain a bundle at intervals no more than 6 inches or less than 4 inches.
 - (b) Wiring supporting devices shall be of such size that the wires will be held securely in place without damage to the insulation.
 - (c) Hot glue shall not be used to support wiring.
- (13) All wiring shall be protected against any factor which would disrupt the correct functioning such as shorts, grounding, parting, corrosion or environmental exposure.

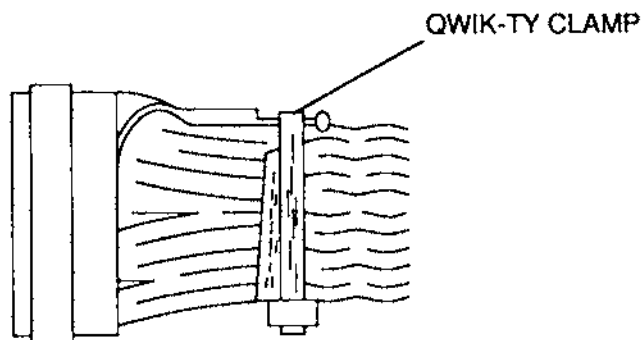
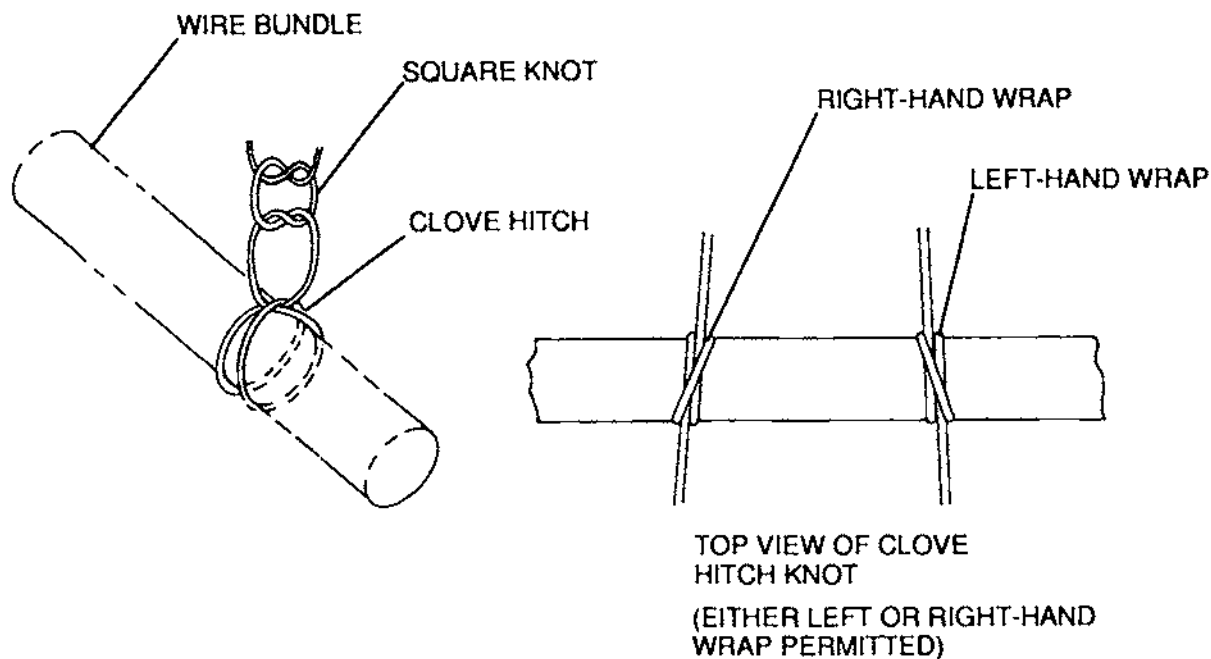
CAUTION: INSTALL CAPS OR OTHER PROTECTION ON ELECTRICAL CONNECTORS THAT ARE DISCONNECTED. THIS WILL HELP TO PREVENT CONTAMINATION WITH FLUID AND MOISTURE.

8. Terminal Board Installation

- A. All screws fastening the terminal board to the structure shall be inserted with the head toward the terminal side of the board, if possible. All screws inserted with the thread end toward the terminal side shall have a maximum of 2 one-half threads through the nut.
- B. A maximum of four terminals shall be attached to one terminal lug.
- C. The terminal shall be attached to the terminal block so that no part of the wire proper shall contact the terminal stud.
- D. When tightening the nut on the stud, caution shall be exercised to prevent breaking loose or shearing the molded-in stud or breaking the frame.
- E. All terminals shall be orientated on the terminal strip stud in such a manner that a possible movement of the terminal shall tighten the top stud nut. When more than one terminal is attached to a terminal post, only the top terminal must be arranged as described.
- F. The washers, wire terminals and/or bus bars, and terminal stud nuts shall be assembled on terminal studs in the following sequence starting at the terminal block; (1) plain washers; (2) lockwashers; (3) first stud nut; (4) terminal(s) and/or bus bar(s); (5) plain washer; (6) lockwasher; (7) final stud

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WRAP STRAP AROUND WIRE BUNDLE ONCE FOLLOWED BY A SECOND WRAP AROUND THE CONNECTOR CLAMP AND WIRE BUNDLE, AND APPLY INSTALLATION TOOL

PLASTIC TIE STRAP METHOD SHOWN
 REFER TO ABOVE FOR OPTIONAL STRING TIE METHOD

TYPICAL INSTALLATION

55982009
 55982009
 5598T2008

Binding Tie
 Figure 203 (Sheet 1)

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nut. When a terminal is attached to an equipment item with a screw, the screw shall be passed through a lockwasher, a plain washer and the terminal(s) in sequence with the wire terminal against the attachment point on the equipment. Refer to Figure 204.

9. Wire Repairs

A. General Instructions.

- (1) Replace broken, frayed, cracked or damaged wire with new wire. The entire wire segment should be replaced. Replacement wire segment must be size and type indicated on the applicable wiring diagram. If wire or cable damage is limited to outer covering only, wire or cable may be repaired as outlined in this section.

CAUTION: DO NOT SPLICE, SOLDER OR TAPE DAMAGED WIRE UNLESS INVESTIGATION PROVES THAT SYSTEM INTEGRITY WILL NOT BE AFFECTED. DO NOT USE SMALLER SIZE WIRE. USE OF SMALLER SIZE WIRE CAN RESULT IN BURNED WIRING OR MALFUNCTIONING EQUIPMENT.

B. Braided Nylon Insulated Wires.

- (1) Clean area to be repaired with aliphatic naphtha.
- (2) Lay loose nylon strands as evenly as possible over damaged area.
- (3) Spiral wrap double layer of vinyl tape over damaged area, overlapping 1/2 width of tape. Tape should extend at least one inch beyond both ends of damaged area.
- (4) Tie both ends of tape with nylon cord and brush knots with clear lacquer.
- (5) Small gage wires may be wrapped with adhesive vinyl tape.

C. Chromel/Alumel Thermocouple Wire.

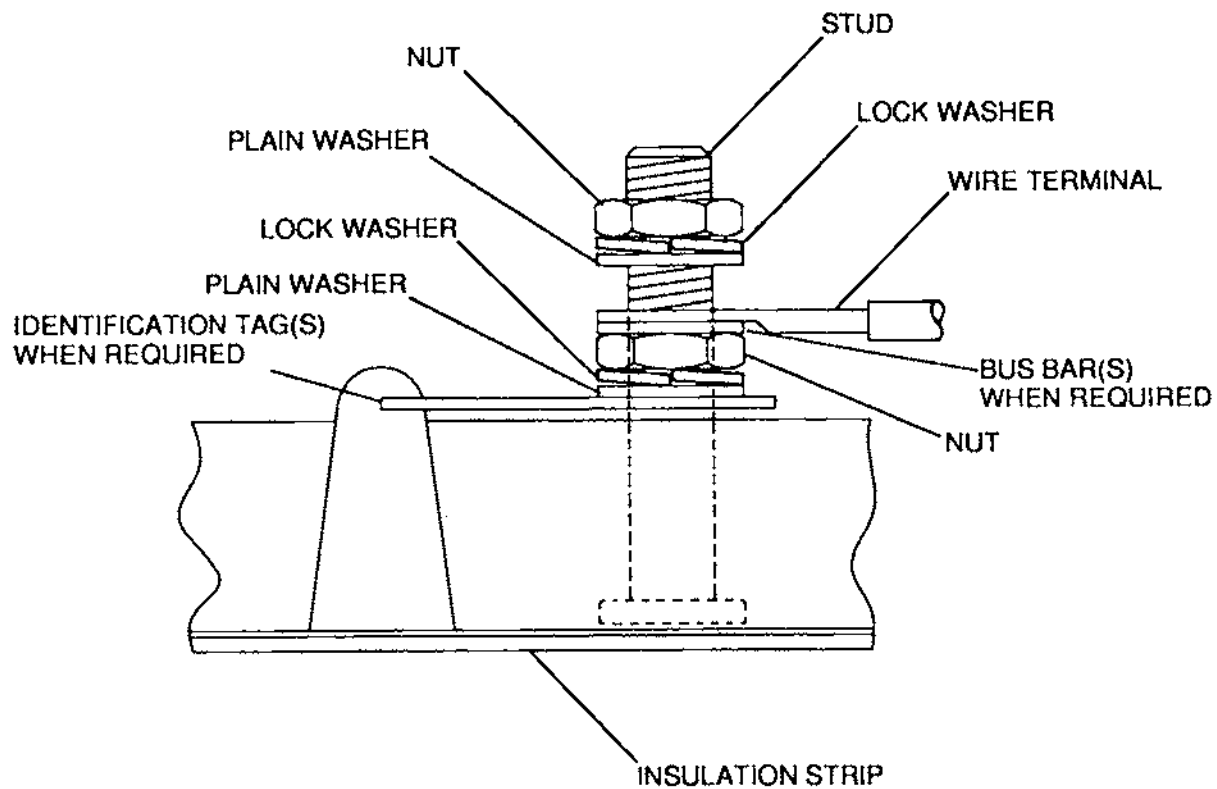
- (1) Clean damaged area with solvent.
- (2) Lay loose fiberglass covering ends as evenly as possible over damaged area.
- (3) Tension spiral wrap double layer of glass fabric tape (Permacel EE-3343) over damaged area, overlapping 1/2 width of tape. Tape should extend at least one inch beyond both ends of damaged area. Maximum length of taped area should be no greater than 3-1/2 inches.
- (4) Cure tape in place by heating with heat gun or lamp to approximately 320°F for 30 minutes. Protect adjacent wires from heat by covering with heat resistant material.
- (5) The ends of the outer insulation which has been stripped back and trimmed on the thermocouple leads should be served from the ends of the insulation back to approximately 1/2-inch by wrapping cord as shown in Figure 205.

D. Splicing Electrical Wires. Splicing of wires is not recommended; however, in some cases, splicing of wires may be necessary.

- (1) Refer to Splices and Terminals for splices and tools.
- (2) All splices shall be covered with an insulating sleeve and secured. Preinsulated splices need not be covered by an additional sleeve as long as the splice is completely covered.
 - (a) The splice crimping tool for preinsulated splices has an insulation crimping adjustment set to 1, 2, 3 or 4 depending on the thickness of insulation. The splice should have a firm crimp on insulation without damage.
- (3) Splices in the same wire group or bundle shall be staggered to prevent excessive enlargement of the group or bundle.
- (4) Aluminum cables shall not be spliced.
- (5) Splicing Shielded Wires. Refer to Figure 206.
 - (a) Refer to Splices and Terminals for splices and tools.
 - (b) Splices in the same wire group or bundle shall be staggered to prevent excessive enlargement of the group or bundle.
 - (c) Splices shall not be located under a clamp or in a place where the wire bundle is flexed, such as at a wire bundle breakout to an instrument.
 - (d) Stagger inner conductor splices as shown in Figure 206.
 - (e) After installing braided solder sleeve the solder shall be completely melted and environmental seal bands must make contact with the outer jacket of the wire.

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6580T1088

Terminal Board Installation
Figure 204 (Sheet 1)

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- (f) After installing the braided solder sleeve, the braided solder sleeve must not be cut or split. Shield strands must not extend through the braided solder sleeve.
- E. Splicing Coax Cables. Splicing of coax is not recommended; however, in some cases, splicing of coax may be necessary.
 - (1) Coaxial cables used in a system where a specific length of cable is required for proper operation shall not be spliced.
 Examples of systems that require specific coax lengths are Radio Altimeter and ELT.
 - (2) Triax cable shall not be spliced.
 - (3) Splicing of coax is limited to Nav, Comm and DME systems.
 - (a) Cut the coax at the location of the damage.
 - (b) Install TNC style (threaded) coax plug and jack on the ends of the coax or install TNC style (threaded) coax plugs on both ends of the coax and connect to a bulkhead feed-thru connector.
 - (c) Cover the connectors with heat shrink tubing per MIL-I-23053. Refer to Heat Shrink Tubing - Maintenance Practices.
- F. Terminal Installation.
 - (1) Refer to Splices and Terminals for terminals.
- G. Heat Shrink Tubing Installation.
 - (1) Refer to Heat Shrinkable Tubing - Maintenance Practices for heat shrink tubing.
- H. Wire Stripping.
 - (1) All wires shall be stripped with wire stripping tools. Hand knives shall not be used except when required for cables and aluminum wires.
 - (2) Sufficient insulation shall be stripped from the wire so no insulation will touch the connection.
 - (3) Care shall be taken to avoid nicking or otherwise damaging the wire or remaining insulation. For the minimum requirements that will be acceptable for nicking or cut wire strands, refer to Table 204.

Table 204. Maximum Nicked or Broken Strands For Stripped Wire

NUMBER OF STRANDS	MAXIMUM ALLOWABLE NICKED OR BROKEN STRANDS
LESS THAN 7	0
7-15	1
16-18	2
19-25	3
26-36	4
37-40	5
41 OR MORE	6

- I. Soldering.
 - (1) Refer to Soldering - Maintenance Practices for soldering.
- J. Backshell
 - (1) All non self locking backshell coupling nuts shall have a bead of RTV157 applied to the nut and backshell body after tightening.

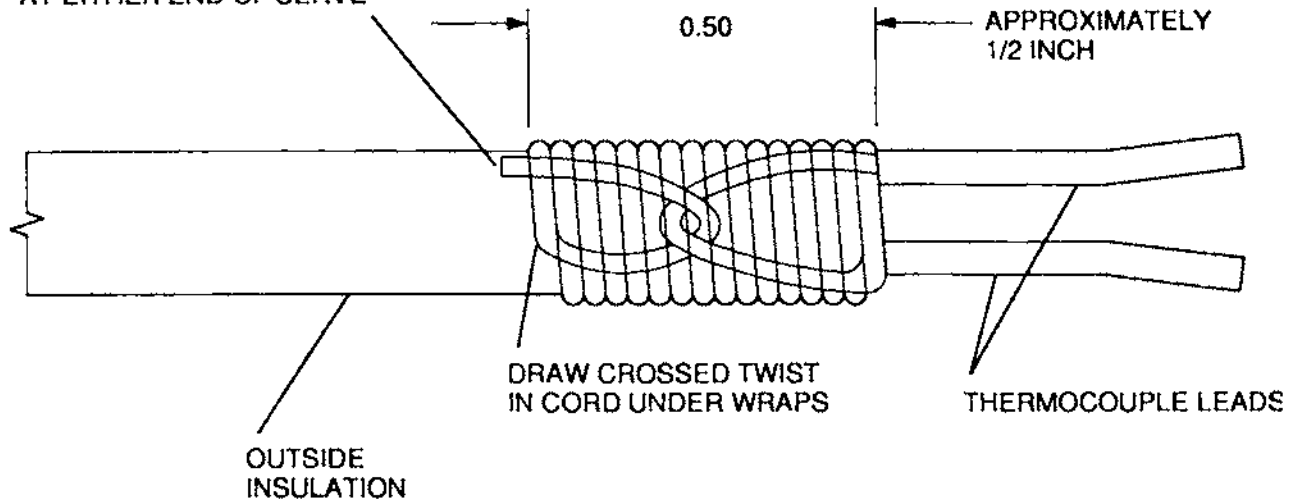
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END OF CHORD SHALL NOT BE
EXPOSED MORE THAN 1/8 INCH
AT EITHER END OF SERVE

0.50

APPROXIMATELY
1/2 INCH

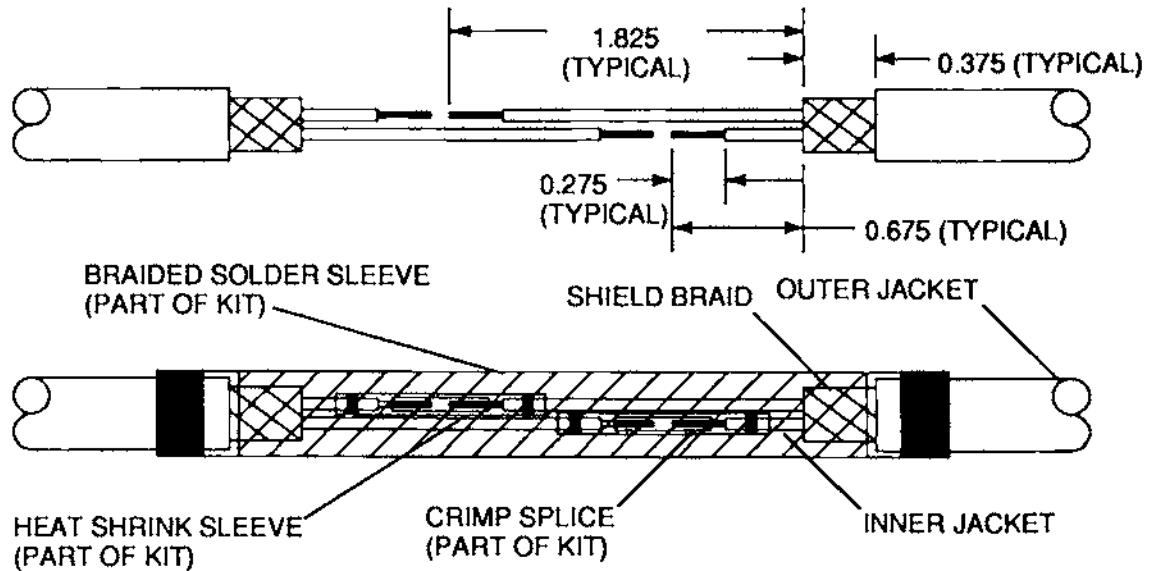


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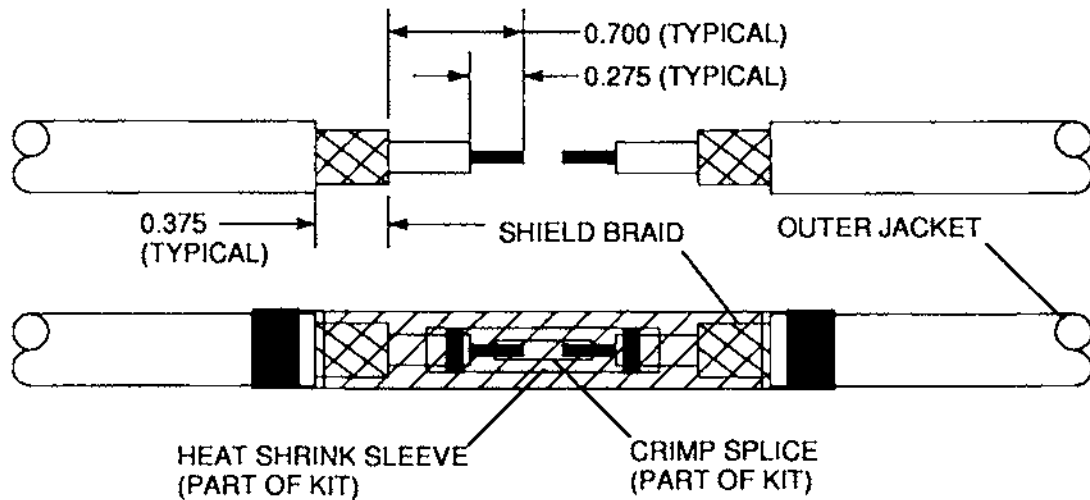
Serving Thermocouple Leads
Figure 205 (Sheet 1)

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MULTICONDUCTOR SHIELDED WIRE



SINGLE CONDUCTOR SHIELDED WIRE

6274T1006

Shielded Wire Splices
Figure 206 (Sheet 1)

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BONDING AND GROUNDING - MAINTENANCE PRACTICES

1. General

- A. All installed components and equipment should be bonded and grounded.

2. Removal/Installation of Bonding and Grounds

A. Surface Preparation for Bonding.

- (1) Remove oil, grease, dirt and other contaminants with clean cotton cloth dampened with solvent.
- (2) Completely remove paint, dyes or stains with an approved solvent. Wipe dry with a clean, dry cloth.
- (3) Use adhesive finishing paper or cloth, Number 320 grit or finer, or aluminum wool to remove nonconductive coatings from surfaces to be bonded.

B. Install Ground.

- (1) There shall be no more than four terminals attached to any ground stud.
- (2) A maximum of two ground wires may be crimped in one terminal. If shown on a wire diagram, it is permissible to have three braid straps per ground terminal.
- (3) Install terminal to grounding structural member in accordance with Figure 201.
- (4) Touch up or refinish the bonded members by reapplying the original paint finish.
- (5) The perimeter of all permanent electrical contact areas shall be sealed after assembly using Type I or Class VC sealant. Refer to the Maintenance Manual, Chapter 20, Solvents, Sealants And Adhesives for sealant types and application.

3. Installation of Shielded Cable Grounds

A. Shield termination using Method I. To be used when a single or small number of shielded cables terminate at a common point.

- (1) Strip cable in accordance with dimensions in Figure 202. Use Thomas & Betts Tool Number WT-700 or functionally equivalent to cleanly cut the shield to required length.
- (2) Refer to Table 201 to determine proper solder sleeve for cable being used.
- (3) The sleeve should be placed on the cable large end first. The shield should be bottomed against the necked portion of the sleeve thus correctly positioning the sleeve for shrinking and soldering.
- (4) Position the sleeve so that it is centered between the inserts of the nose cone on a heat gun and move side to side until proper shrinking and soldering is observed. Use the Raychem Zap Gun or Raychem Model CV-4504 Shop Air Heater for this purpose.
- (5) For terminating a relatively small number of shields at a common point, apply Method I as shown in Figure 203.

Table 201. Shielded Cable Ground Installation

Shielded Wire MIL-C-27500	Solder Sleeve Raychem P/N D144-
22B1T2	-50
22B2T2	-51
22B3T2	-51
20B1T2	-50
20B2T2	-51
20B3T2	-51
18B1T2	-50

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Table 201. Shielded Cable Ground Installation (continued)

Shielded Wire Mil-C-27500	Solder Sleeve Raychem P/N D144-
18B2T2	-51
16B1T2	-51
14B1T2	-51

- B. Shield termination using Method II. To be used when a large number of shielded cables terminate at a common point.
- (1) Prepare individual shielded cables as shown in Figure 204. Use Thomas & Betts Tool Number WT-093B to slip conductor(s) out of shield. Refer to Figure 205 for wire stripping dimensions.
 - (2) Slip all prepared shielded cables and all unshielded wires that terminate at the same point through the appropriate size solder sleeve.
 - (3) Position sleeve per Figure 205 and use procedure described in 3.A.(3) for shrinking and soldering of sleeve.
- C. Alternate method. To be used when solder sleeves are not available.
- (1) Cut the outer jacket around its circumference four inches from the end of the cable as shown in Figure 206.
 - (2) Push the metal braid shielding back over the insulated wire to make a hump.
 - (3) Make an opening by separating the wires in the metal braid at the hump. Work the insulated wire through the opening. Push the shielding even further over the wire. Wrap one or two turns of vinyl tape around the wire at the base of the hump. Slide the braid over the taped joint.
- CAUTION: DO NOT DAMAGE THE WIRE INSULATION OR SHIELDING.**
- (4) Slide the outer covering over the pigtail and taped wire. Wrap two or three turns of tape around the cut end of the outer jacket to make a moisture and dustproof joint.
 - (5) Cut the insulated wire to proper length, strip insulation and install connector.
 - (6) Cut the pigtail to length. Enclose pigtail in vinyl sleeving and stake terminal to pigtail.
- D. Dead ending a shield.
- (1) Strip cable and cut heat shrink tubing to length according to dimensions in Figure 207.
 - (2) refer to Heat Shrinkable Tubing - Maintenance Practices for proper size tubing and further installation details.

NOTE: Part number D144-50 solder sleeve is for a single 22 AWG pigtail. For more than one pigtail or pigtail larger than 22 AWG use a D144-51 solder sleeve.

NOTE: For Mil-W-16878 Type D shielded cable use shrink tube for a heat sink between the conductor insulation and the shield.

4. Terminating Shielded Cables

- A. When terminating shielded cables, the following guide lines should be observed.
- (1) Shield terminations (jumper wires or braid strap) shall be as short and as straight as possible to the back of a connector or to a ground stud.
 - (2) Ground shields only where indicated by the applicable wiring diagram.
 - (3) There shall be no more than two jumper wires (or braid straps) per ground terminal. If shown on a wire diagram, it is permissible to have three braid straps per ground terminal.
 - (4) Only jumper shielded cables together as shown on the applicable wiring diagram.
 - (5) Refer to Table 201 to determine proper solder sleeve for shielded cable to be terminated.

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Table 202. Solder Sleeves for Shielded Cable

Diameter - Inches (Wire and Jumper)		Solder Sleeve	Raychem P/N
Maximum	Minimum		
0.105	0.035	S2974*1	
0.145	0.055	S2974*2	D108-10
0.200	0.085	S2974*3	D108-11
0.255	0.130	S2974*4	
0.300	0.170	S2974*5	D108-12
0.450	0.225		D142-65
0.535	0.350		

- B. Strip the shielded cable in accordance with dimensions in Figure 202.
- (1) Use Thomas & Betts tool Number WT-700 (or equivalent) to cleanly cut the shield to required length.
 - (2) The fold back strip method is required for M27500 Type B shielded cable.
 - (3) The center strip method is used when terminating shields at a connector backshell, equipment rack or using a single solder sleeve for several shielded cables.
- C. Position the solder sleeve and jumper (or braid strap) and heat with a Raychem Zap Gun or Raychem Model CV-4504 Shop Air Heater (or equivalent), move side to side until proper shrinking and soldering is observed. Refer to Figure 208.

NOTE: For MIL-W-16878 Type D shielded cable use shrink tube for a heat sink between the conductor insulation and the shield.

- (1) There shall be no more than two jumpers (or braid straps) per solder sleeve.
 - (2) If using a single solder sleeve for several shielded cables, slip the shielded cables and all unshielded wires that terminate at the same point through the solder sleeve.
- D. Dead ending a shield. Refer to Figure 207.
- (1) Strip shield braid within 1.5 inches from the end of the wire.
 - (2) Position heat shrink tubing 0.75 inch long over the shield braid. Refer to Chapter 20, Heat Shrinkable Tubing - Maintenance Practices.
 - (3) Heat the heat shrink tubing with a Raychem Zap Gun or Raychem Model CV-4504 Shop Air Heater (or equivalent), move side to side until proper shrinking is observed.
- E. Terminating shields at connector backshells or equipment racks. Refer to Figure 209.
- (1) Solder sleeves shall be four inches or less from the connector.
 - (2) Only use S2974-X Solder Sleeves (with braid strap).
 - (3) Crimp braid strap(s) in terminal to match strain relief screws. Refer to Chapter 20, Splices and Terminals, to determine terminal size required.
 - (4) Ensure connector backshell and strain relief clamp are properly tightened.
- F. Terminating shields with a band clamp. Refer to Figure 210.
- (1) Band clamps are used to terminate shields at a connector backshell or equipment rack. Band clamps are also used to terminate shield overbraids that cover an entire wire bundle.
 - (2) Refer to Table 202 for band clamp and installation tool part numbers.

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Table 203. Band Clamp and Installation Tool Part Numbers

Name	Part Number	Manufacturer	Use
Band Clamp	600-052	BAND-IT - IDEX, Inc. P.O. Box 16307 Denver, CO 80216-0307	Shield and shield overbraid termination
Tie-Dex II Tool	A40199	BAND-IT - IDEX, Inc. P.O. Box 16307 Denver, CO 80216-0307	Installation of band clamps

- (3) When replacing band clamps, the following guidelines should be observed.
- (a) Substitutions, such as tie wraps, are not allowed.
 - (b) Only use S2974-X Solder Sleeves (with braid strap) or braid straps when terminating shields with a band clamp.
 - (c) Ensure wires are not under the area to be clamped.
 - (d) Band clamps may not be reused. Band clamps must be replaced when removed for maintenance.
 - (e) After installation, the band clamp shall lay flat across the area to be clamped and shall be secure (cannot be moved by hand).
- (4) Removal of band clamps.
- (a) Using a flat screwdriver, bend down the locking lip on the band clamp and slide the band through the band clamp buckle.
- (5) Installation of band clamps.
- (a) Double wrap the band clamp around area to be clamped. Both wraps of the band clamp must pass through the slot on the band clamp buckle.
 - (b) Squeeze the gripper release handle on the band clamp installation tool and insert the band into the installation tool band slot.

NOTE: The cut-off handle (white handle) should be on the same side as the band clamp buckle.

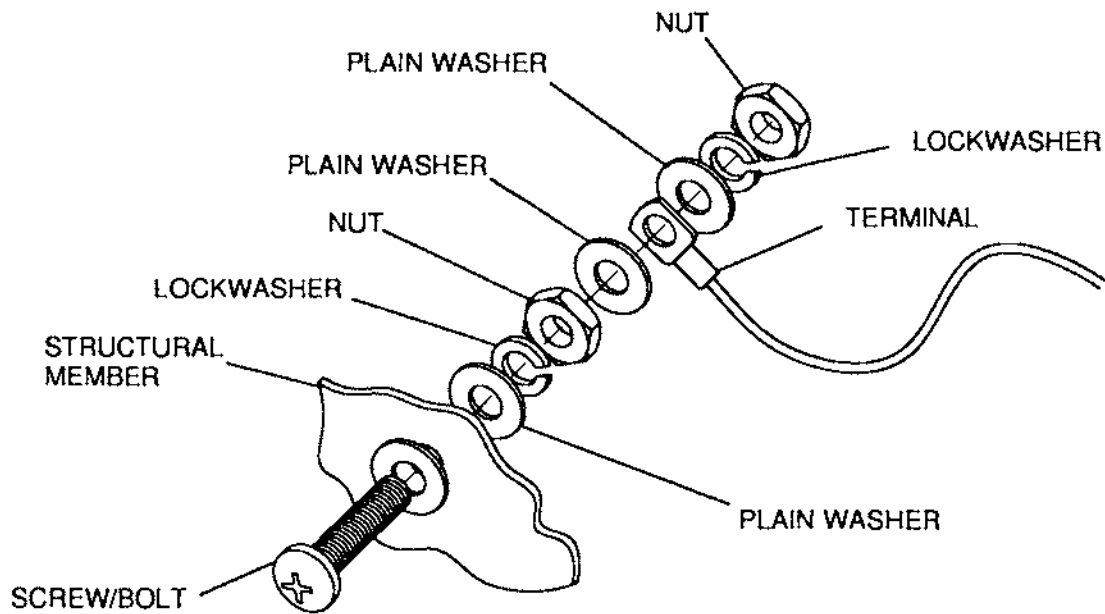
- (c) Repeatedly squeeze the pull-up handle (blue handle) until the handle locks against the installation tool body.
- (d) Squeeze the cut-off handle (white handle) to crimp a locking lip on the band clamp and cut off excess band.

5. Resistance Values for Shield Terminations

- A. Resistance measured from a shield termination (braid strap) to a ground point shall be 0.010 ohms (10 milliohms) or less. Refer to Figure 211.
- B. Resistance measured from a ground point to the connector body shall be 0.005 ohms (5 milliohms) or less. Refer to Figure 211.

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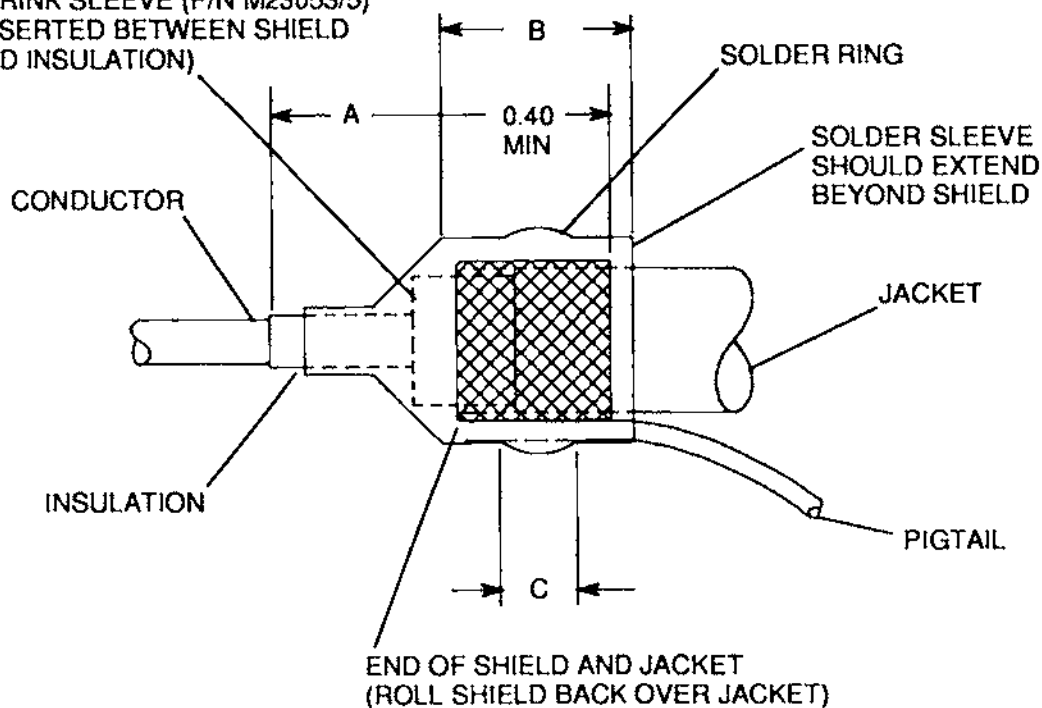
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6280X1085

Terminal Grounding
Figure 201 (Sheet 1)

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0.25 LONG PROTECTION
 SHRINK SLEEVE (P/N M23053/5)
 (INSERTED BETWEEN SHIELD
 AND INSULATION)



DIM.	MIN.	MAX.
A	0.50	3.00
B	0.625	0.675
C	0.20	0.50

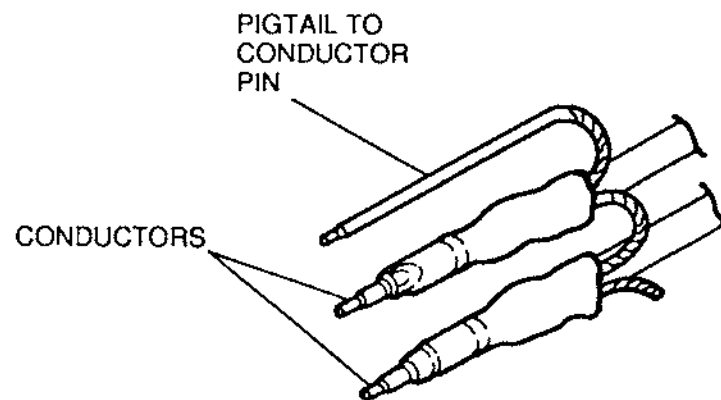
NOTE: SINGLE CONDUCTOR SHOWN. THIS METHOD
 ALSO APPLICABLE TO DUAL AND TRIPLE
 CONDUCTOR SHIELDED CABLE.

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Solder Sleeve Assembly Using Method I
 Figure 202 (Sheet 1)

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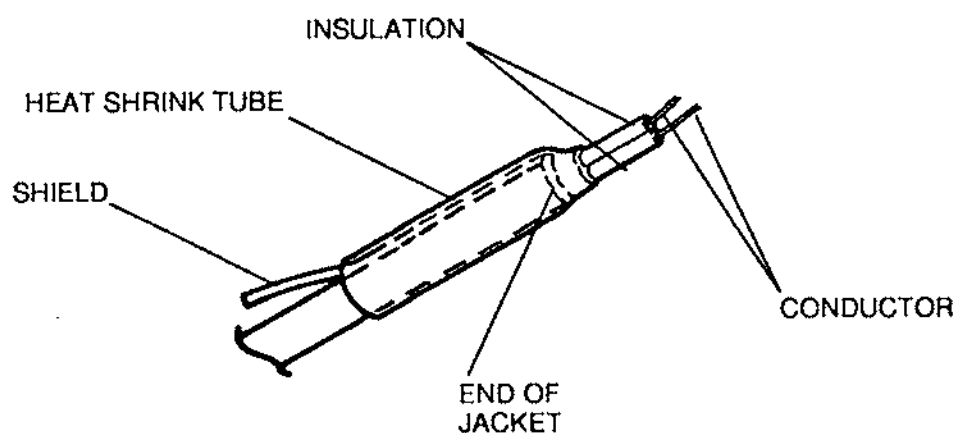


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Multiple Shield Terminations Using Method 1
Figure 203 (Sheet 1)

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WIRING DIAGRAM MANUAL

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NOTE: TWO CONDUCTOR SHIELDED CABLE
SHOWN. THIS METHOD ALSO APPLICABLE
TO SINGLE AND TRIPLE CONDUCTOR
SHIELDED CABLE

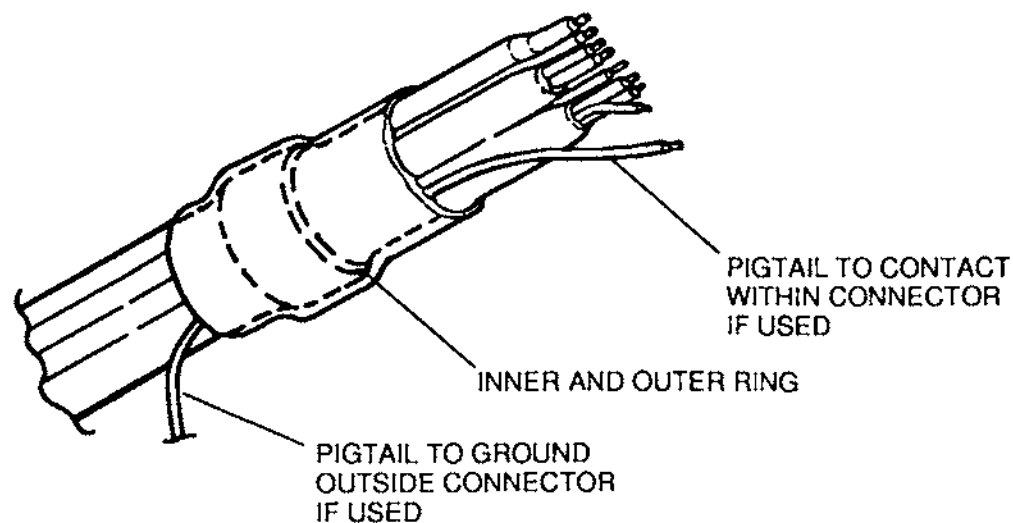
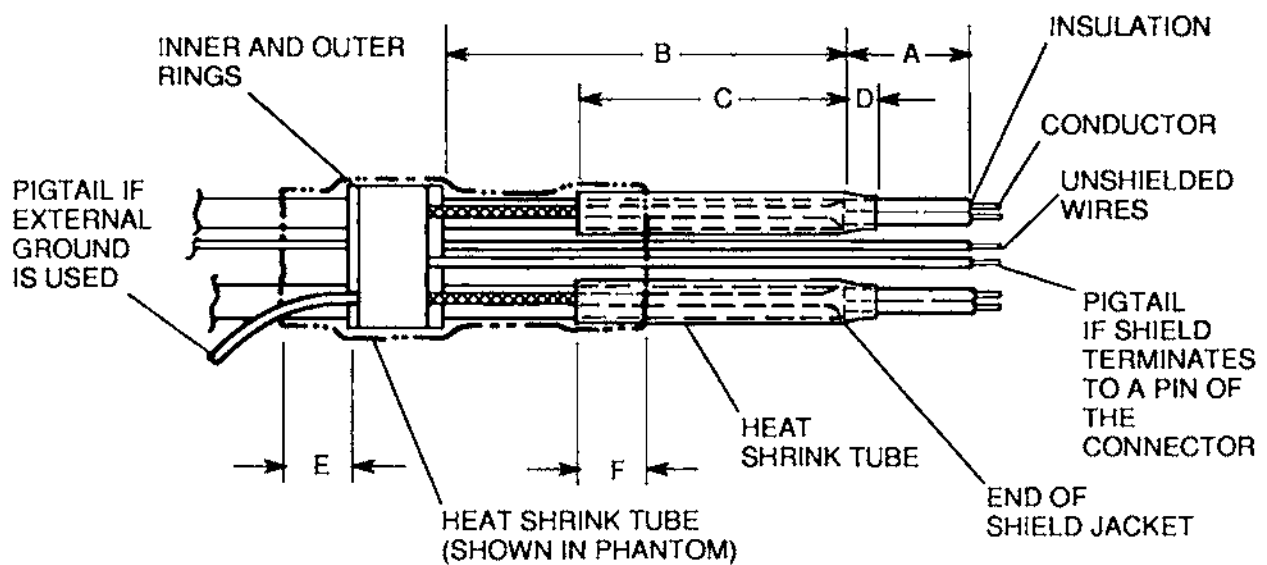
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Preparation of Individual Shielded Cables Before Applying Method II
Figure 204 (Sheet 1)

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918

DIM.	MIN.	MAX.
A	0.50	1.25
B	320	3.00
C	1.50	2.00
D	0.15	0.25
E	0.50	320
F	0.50	320

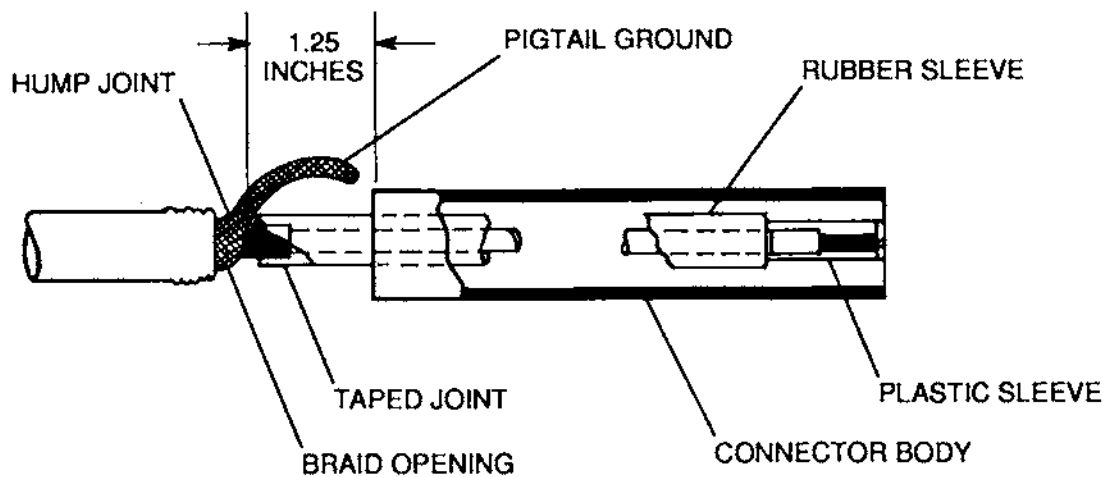
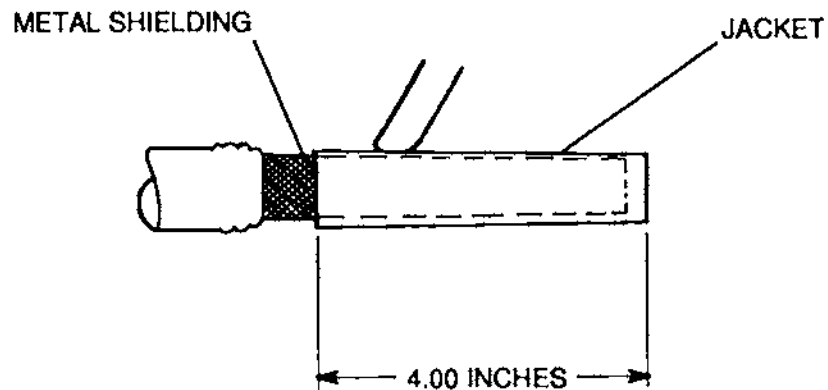


65181201
 65181200

Multiple Shield Terminations Using Method II
 Figure 205 (Sheet 1)

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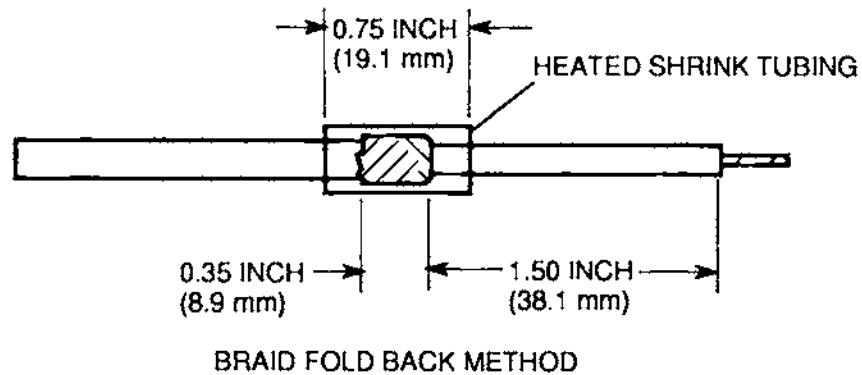
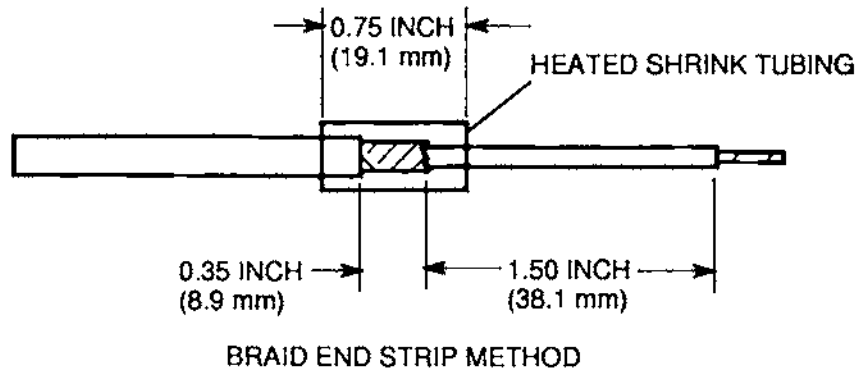


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Shielded Cable Ground Installation
Figure 206 (Sheet 1)

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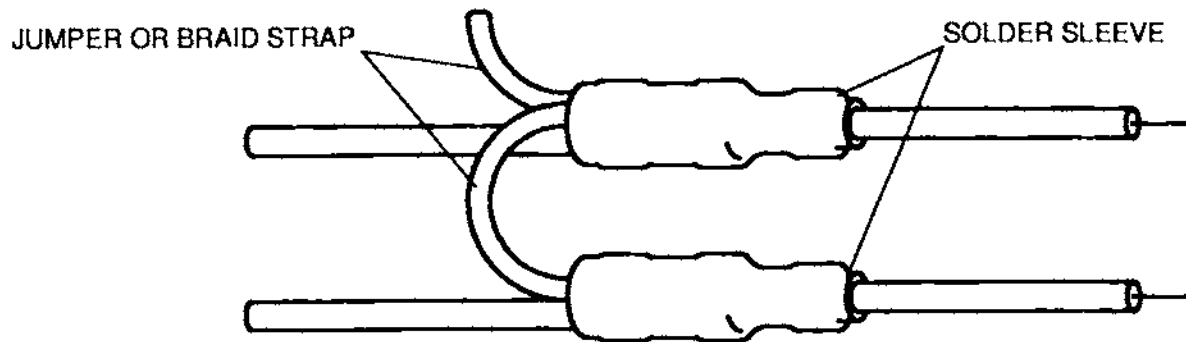


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Dead End Shield Terminations
Figure 207 (Sheet 1)

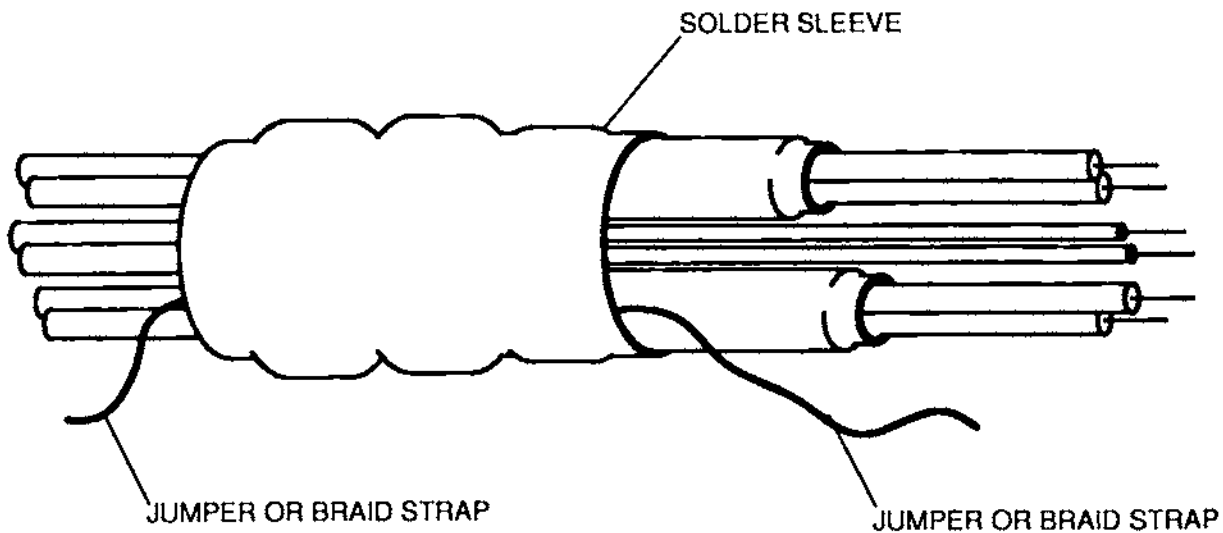
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WIRING DIAGRAM MANUAL

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NOTE: ONLY JUMPER SHIELDED CABLES TOGETHER
AS SHOWN ON WIRING DIAGRAM.

MULTIPLE SHIELD TERMINATIONS



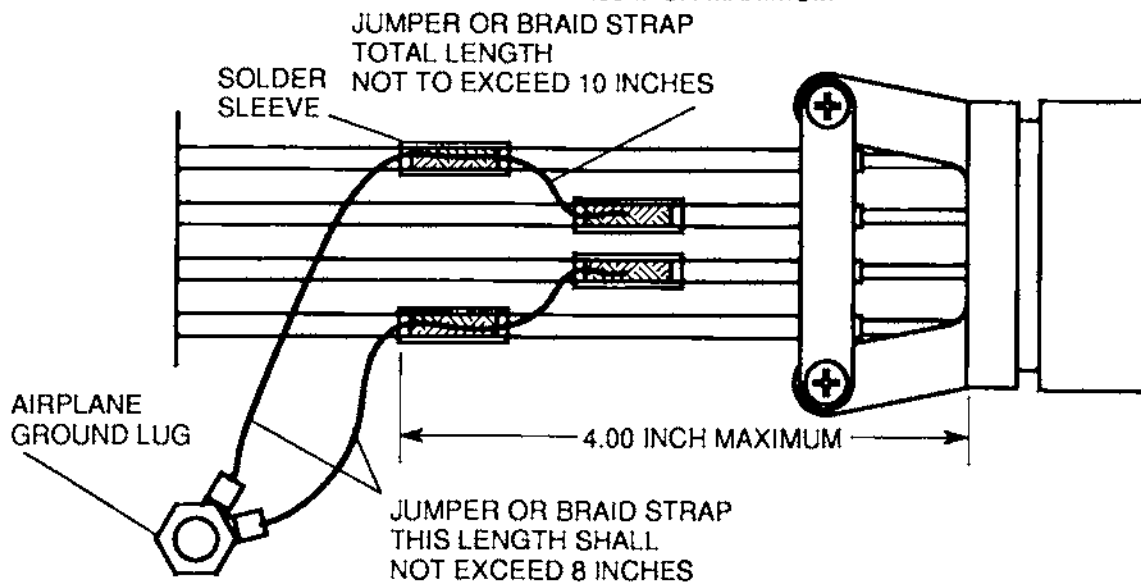
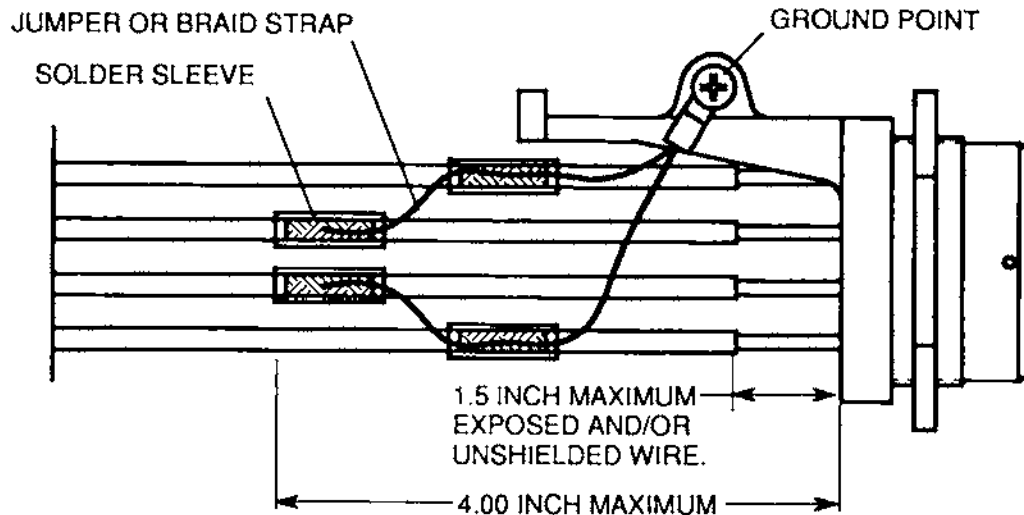
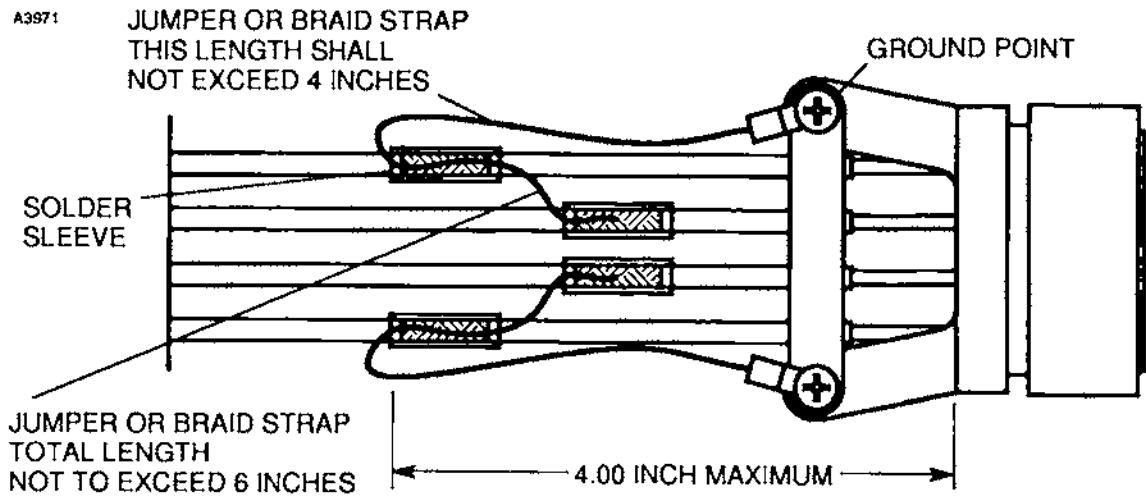
SINGLE SOLDER SLEEVE FOR MULTIPLE SHIELDED CABLES

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Shielded Cable Terminations
Figure 208 (Sheet 1)

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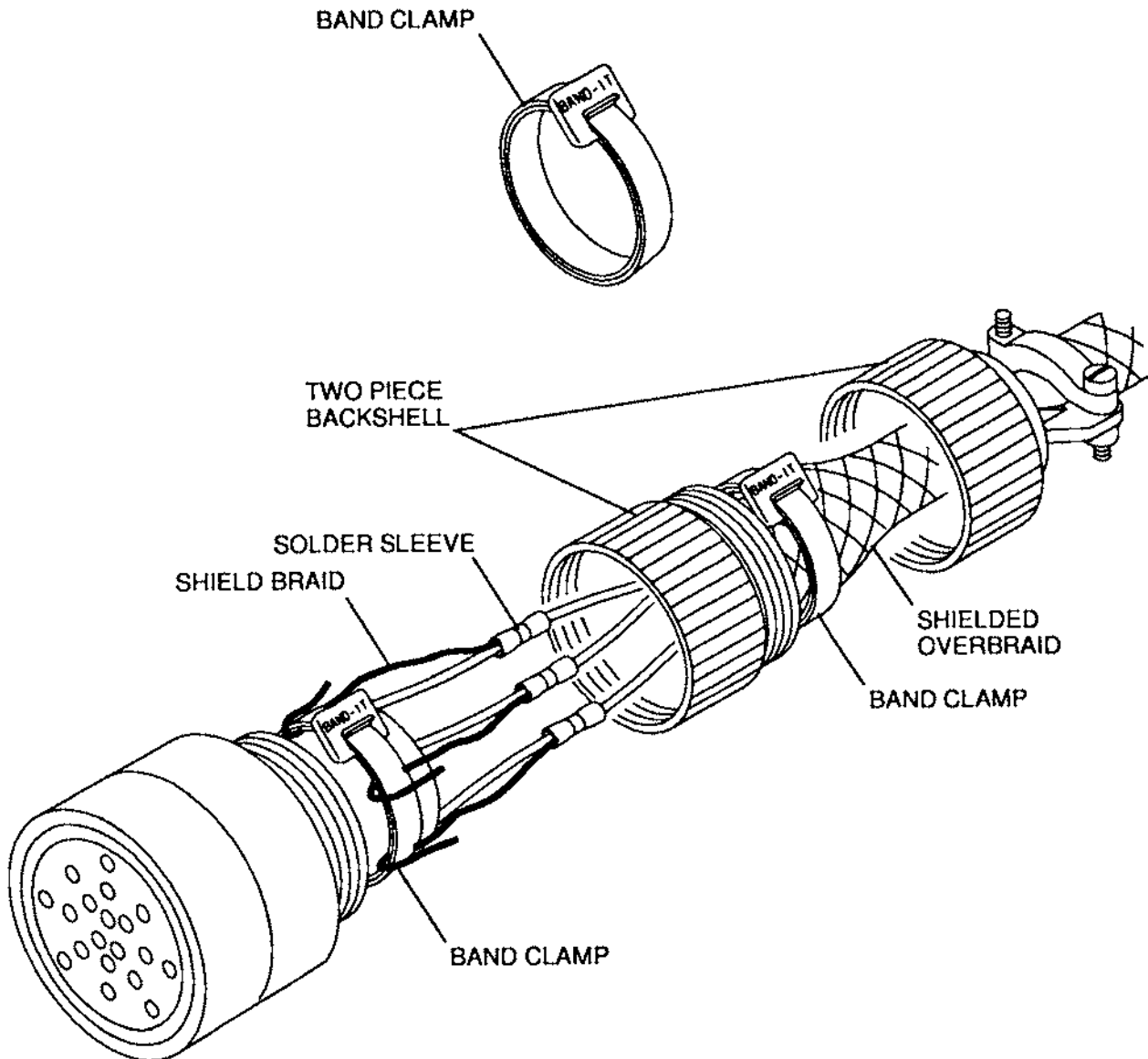


Shield Terminations at Connector Backshells
 Figure 209 (Sheet 1)

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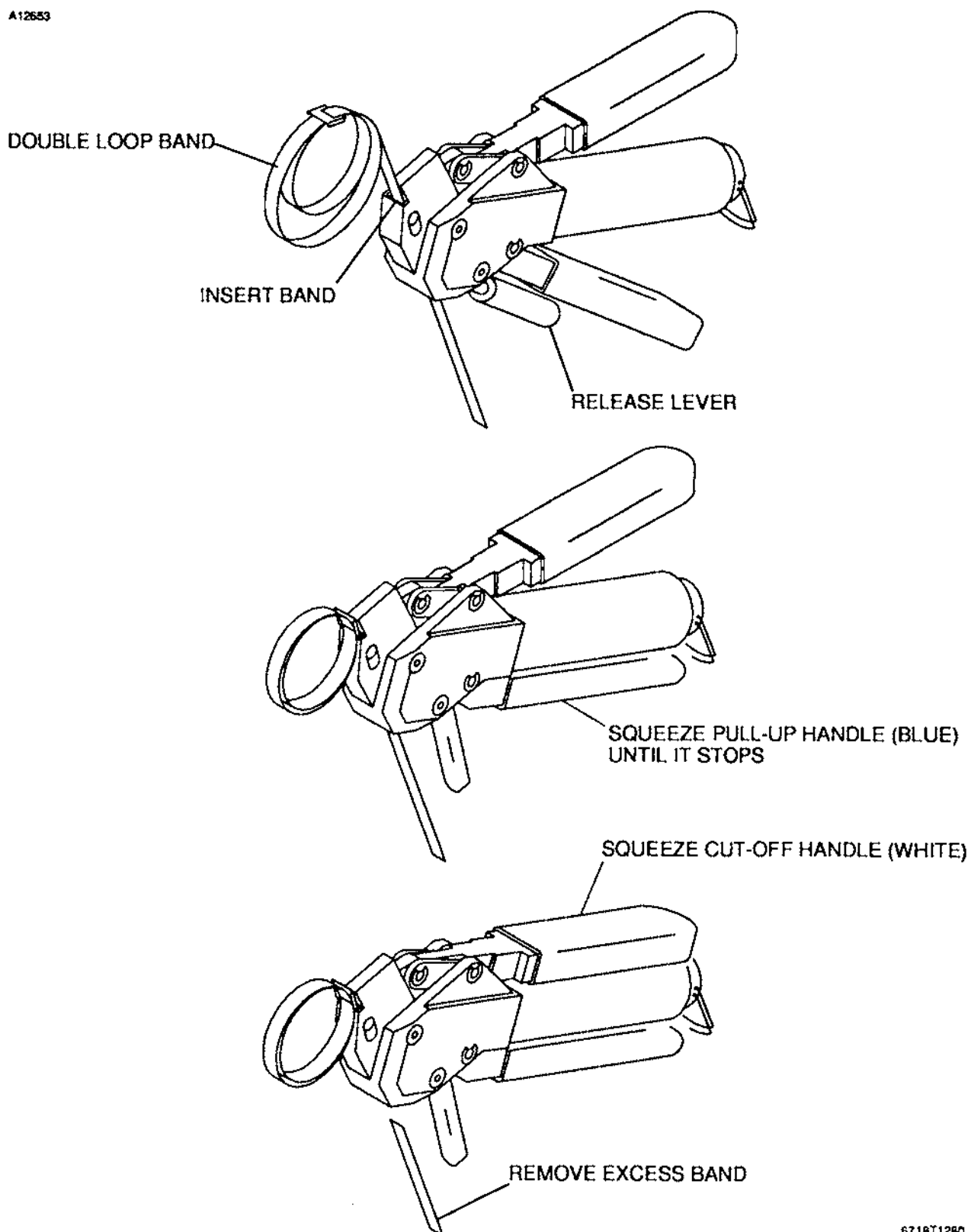


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Band Clamp Installation
Figure 210 (Sheet 1)

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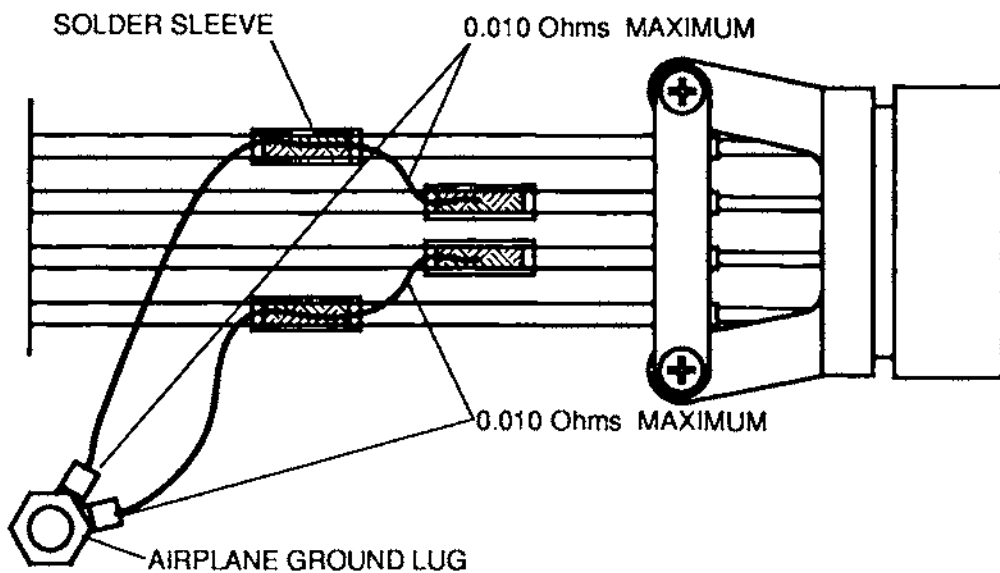
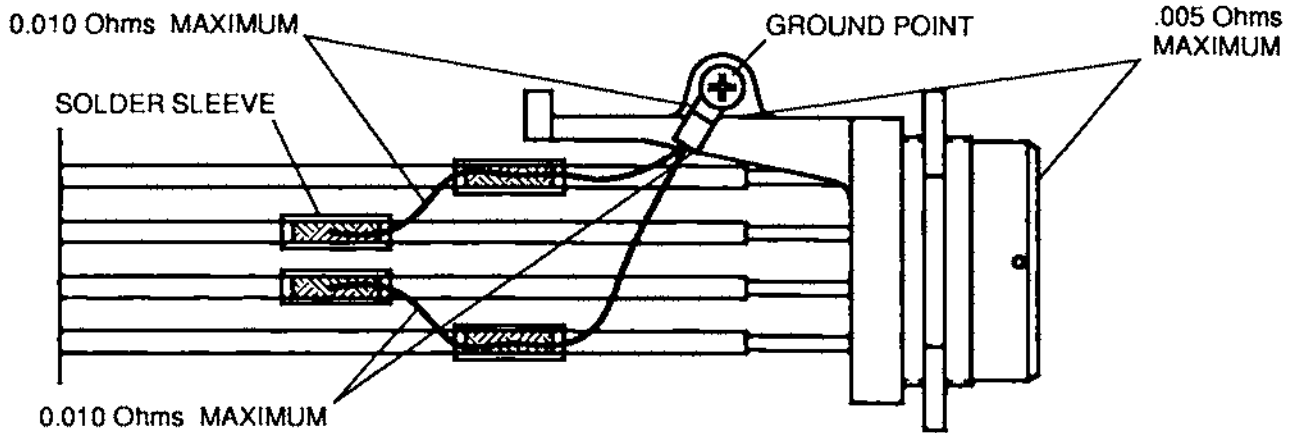
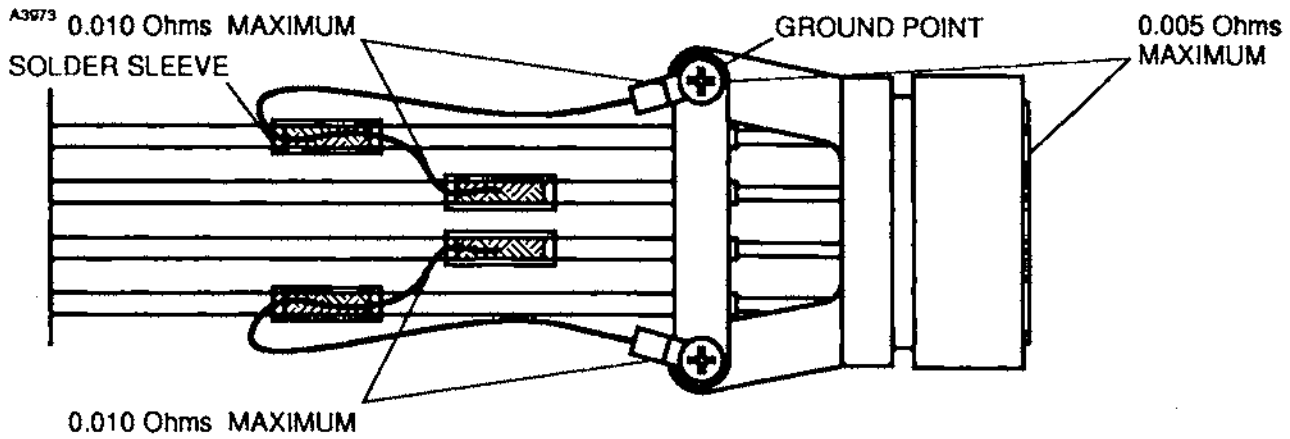
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6716T1280

Band Clamp Installation
Figure 210 (Sheet 2)

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 WIRING DIAGRAM MANUAL



6718T1278

Resistance Values for Shield Terminations
 Figure 211 (Sheet 1)

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SOLDERING - MAINTENANCE PRACTICES

1. General

- A. This section describes procedures for making solder joints with a filler metal having a flow temperature below 800° F. (Refer to Figures 201, 202, 203, 204, 205, 206, and 207)
- B. Electrical wiring and connections should be soldered with a tin-lead solder using a noncorrosive flux.

2. Tools and Equipment

- A. Solder.

CLASS AWS ASTM	COMPOSITION PERCENT BY WEIGHT		TEMPERATURE		USAGE	FLUX AND FLUX SOLVENT
			SOLIDUS °F	LIQ- UIDUS °F		
SN 60 QQ-S-571E	Tin 60	Lead 40	361	374	General purpose for connection (applications below 250°F)	Flux: Use Rosin Core Solder QQ-S-571E WRMAP2 Flux Solvent: Aliphatic Naph- tha (TT-N-95) or Trichloroethy- lene (ASTM D4080)

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CLASS AWS ASTM	COMPOSITION PERCENT BY WEIGHT		TEMPERATURE		USAGE	FLUX AND FLUX SOLVENT
			SOLIDUS °F	LIQ- UIDUS °F		
SN 63 (QQ-S-571E) (WRMAP2)	Tin 63	Lead 37	360	360	Special purpose electrical wiring and printed circuits where temperature limitations are critical.	Flux: Use Rosin Core Solder QQ-S-571E WRMAP2 Flux Solvent: Aliphatic Naphtha (TT-N-95) or Trichloroethylene (ASTM D4080)
AG 1.5	Tin 1.0 Silver 1.5	Lead 97.5	588	588	This solder has good joining properties to 350°F. Use electrical connectors and low temperature thermocouples to 350°F copper, brass and steel.	Flux: Type RA and AC Zinc-Chloride Base QQ-S-571E Flux Solvent: Water and Organic Solvent
AG 5.5	Lead 94.5	Silver 5.5	579	689	Good joining properties to 350°F copper, brass and steel.	Flux: Zinc-Chloride Base of Type RA and AC (QQ-S-571E) Flux Solvent: Water and Organic Solvents

ABBREVIATION:

ASTM - American Society for Testing and Materials
 AWS - American Welding Society
 QQ - Federal Specification
 QPL - Qualified Products List
 Kester Solder Division
 Litton Systems, Incorporated
 4201 Wrightwood Avenue
 Chicago, IL 60639

- B. Solvents used for the removal of grease, oil, and other dirt from the parts prior to soldering, as well as flux residues from the joint area after soldering.
- (1) Non-flammable.
 - (a) Tetrachloroethylene (perchloroethylene) electronic grade.
 - (b) Trichloroethylene electronic grade.

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WARNING: TETRACHLOROETHYLENE AND TRICHLOROETHYLENE ARE TOXIC. DO NOT BREATHE VAPORS. USE IN WELL VENTILATED AREA FREE FROM SPARKS, FLAME OR HOT SURFACES. WEAR SPLASH GOGGLES, SOLVENT RESISTANT GLOVES AND OTHER PROTECTIVE GEAR. IN CASE OF EYE CONTACT, FLUSH WITH WATER AND SEEK MEDICAL ATTENTION. IN CASE OF SKIN CONTACT, WASH WITH SOAP AND WATER.

- (2) Flammable.
- (a) Ethyl alcohol, grade 1, class A.
 - (b) Isopropyl alcohol, 99 percent pure.

WARNING: ISOPROPYL ALCOHOL IS TOXIC AND FLAMMABLE. DO NOT BREATHE VAPORS. USE IN WELL VENTILATED AREA FREE FROM SPARKS, FLAME OR HOT SURFACES. WEAR SPLASH GOGGLES, SOLVENT RESISTANT GLOVES, AND OTHER PROTECTIVE GEAR. IN CASE OF EYE CONTACT, FLUSH WITH WATER AND SEEK MEDICAL ATTENTION. IN CASE OF SKIN CONTACT, WASH WITH SOAP AND WATER.

3. Soldering

- A. Strip sufficient insulation from the wire or component leads so that no insulation will touch the solder connection. Insulation clearance is the gap between the insulation and the edge of the terminal or solder cup. Refer to Figure 207. Refer to Table 201 for insulation clearance.

Table 201. Insulation Clearance

WIRE SIZE (AWG) AMERICAN WIRE GAUGE	CLEARANCE	
	MINIMUM	MAXIMUM
Smaller than 20	Visible Clearance	0.06
20 thru 10	0.03	2 Times Diameter of Insulation
8 thru 2	0.03	0.375
1 and Larger	0.03	0.5

- B. Surfaces to be joined by soldering must be free of dust, oil and oxides. Clean surfaces with solvent or wire brush, do not use steel wool.
- C. Pre-tin wires and leads before joining by soldering. Part leads or terminals pretinned by the manufacturer do not require tinning unless corrosion has occurred during storage. Corrosion must be removed and the part pretinned before soldering.
- D. When required, shrink tubing or other insulating sleeving should be installed on wires prior to attachment to terminal. Refer to Figure 205.
- E. Hold the parts to be soldered together in a position to assure proper fit during the soldering operation.
- (1) Wires and component leads should be wrapped around a turret terminal or solder hook, or held, in a manner that will prevent the wire from moving while the solder is cooling. Movement of the wire during cooling will result in a cold solder joint.
 - (2) The wrap of a conductor around a turret terminal should not be less than 90 degrees or more than 270 degrees. Refer to Figure 201

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- F. The soldering iron tip should be clean, smooth and brightly tinned. A cellulose sponge moistened with water provides a good pad for cleaning the tip.
- (1) The soldering iron should be a size that will heat the joint rapidly, but will not damage adjacent areas.
 - (2) The soldering iron tip should be grounded when soldering voltage sensitive components.

CAUTION: THERMAL SHUNTS (HEAT SINKS) SHOULD BE USED TO PREVENT EXCESS HEAT FLOW TO ADJACENT PRESOLDERED JOINTS OR HEAT SENSITIVE PARTS.

- G. Apply the soldering iron tip to the connection in such a manner that soldering temperature will be reached in the minimum time. Refer to Figure 203 and Figure 207 for examples of acceptable and unacceptable solder joints.
- (1) Solder should be applied to the joint when the temperature of the joint will readily melt the solder.
 - (2) Solder should not be applied at the junction of the soldering iron tip and the parts to be joined, nor shall solder be melted on the soldering iron tip and allowed to flow over the parts to be joined.
 - (3) Apply sufficient solder to cover the conductor.
 - (a) A concave fillet should be formed between the center of the conductor and the terminal.
 - (b) The contour of the terminal and the conductor should not be completely obscured by solder. When the conductor is completely covered by solder, or when a solder spike or other excessive amount piles upon the terminal that could touch some adjacent component, the excessive solder must be removed.
 - (c) Wicking of solder in stranded wires should not extend to the insulation.
 - (4) Cold solder joints require reheating and reflowing of the solder.
 - (5) Rosin-base flux residue need not be removed, when required to be removed use appropriate solvent.
 - (6) After the connection has cooled, residue of nonrosin base flux should be completely removed to prevent corrosion.
- H. Thermal shunting should be used on all solder connections where heat flow to adjacent presoldered joints or heat sensitive components could occur. If in doubt, use a heat sink. Refer to Figure 206.
- (1) Thermal shunts (heat sinks) shall preferably be made of copper for good heat conductivity. They should be large enough to give adequate thermal protection, while causing as little interference to soldering as possible.
 - (2) Attach the thermal shunt (heat sink) as close as possible to the joint to be soldered.
 - (3) Several smaller thermal shunts (heat sinks) may be used in place of a large unit and often serve a double purpose of eliminating movement of wire leads preventing cold solder joints.
- I. Pretinning of wires before soldering.
- (1) All portions of stranded wires which come in contact with the area to be soldered can be tinned by dipping the fluxed wire in a solder pot or by use of a soldering iron.
 - (2) The tinning shall extend only far enough onto the wire to take full advantage of the area coming in contact with the connector or solder joint.
 - (3) A thin coating of solder shall be applied to all portions of the conductor wire coming in contact with the solder joint area. The solder shall penetrate to the inner strands of stranded conductors. To permit inspection for nicks or cuts at the point of insulation termination, solder and wicking shall not conceal the individual outer wire strands. A thermal shunt may be used to prevent this occurrence.
 - (4) The distance between the end of the wire insulation and the beginning of the tinned portion shall be no less than 1/2 the outside diameter of wire insulation.
 - (5) Part leads or terminals that are pretinned by the part manufacturer will not require further tinning unless corrosion has occurred during storage. Corrosion products shall be removed by pretinning of the lead or terminal.
 - (6) Parts which are dip-tinned shall be held in the solder container (Pot) until a bright, continuous, tightly adhering coat of solder is formed. The solder pot shall operate at a temperature 20°F to 50°F above the liquidus of the solder alloy used. The molten solder shall be of such volume that the temperature will not be reduced more than 10°F when parts are dipped.

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- J. When soldering components on printed circuit boards, the old component must be removed and the solder cleaned from the holes before installing the new component.
- (1) When lead wires must be bent to install a component, the minimum distance to the start of the bend is two lead wire diameters, but not less than 0.030 inch. Refer to Figure 202.
 - (2) Components with the value stamped on one side, the leads should be bent so the value will be visible when installed; if practical.
 - (3) Component leads on opposite side of printed circuit board may be clinched or extend straight through approximately 0.03 of an inch. Refer to Figure 203.
 - (4) Horizontally mounted ceramic components shall touch the board at least at one point. Maximum clearance of ceramic components is 0.015 inch. Glass components shall not rattle against the board during vibration and shall not touch the board. Maximum clearance of 0.03 inch between glass components and board shall be observed. Refer to Figure 202.
 - (5) For clearance requirements on circuit boards with plated-thru-holes refer to Figure 204.
 - (6) Protect adjacent areas with thermal shunts. Refer to Figure 206 for typical thermal shunts.
 - (7) Solder with low melting point solder.
 - (8) Solder joints shall be free of cracks, fractures and projections. Porosity, voids, and foreign materials in the solder joint shall not exceed 25% of the total area between the lead and the wall of the plated-thru-hole. Solder wetting of the component lead and of the hole wall to the pad must be evident.
- K. Soldering of sleeved or insulated terminals shall be accomplished in the following manner.
- (1) Insulation tubing shall be installed over wires, leads and harnesses prior to their attachment to terminals of relays, connectors, and similar items which are not protected by insulating grommets or potting.
 - (2) Insulation tubing shall be pushed back far enough from the terminal so as not to interfere with the securing and soldering operations.
 - (3) Insulation tubing shall be slipped back, after the solder has solidified and cooled and the joint is cleaned, over the wires and terminals and, where applicable, heat shrunk.
 - (4) After installation, the tubing shall extend above the stripped portion of the attached conductor; a distance equal to or greater than the tubing diameter.
- L. Soldering of solder cup terminals shall be accomplished in the following manner. Refer to Figure 207 for examples of acceptable and unacceptable solder joints.
- (1) The solder cup shall contain a sufficient amount of precut solder to completely fill the cup when solder is melted and the tinned wire inserted into the bottom of the cup.
 - (2) Sufficient heat shall be applied after the cup is filled with solder to assure that the flux has boiled up and out of the bottom of the cup. It is desired that continuous soldering iron contact be maintained throughout the soldering operation.
 - (3) The tinned wire or lead shall not be bent or formed for solder cup termination.
 - (4) All conductors terminating in a solder cup shall bottom in the cup.
 - (5) Insulating clearance shall be maintained, clearance shall be referenced from the point of entry into the cup.
 - (6) The solder shall follow the contour of the cup entry slot and shall not spill over or adhere to the sides of the cup. Connection may be made with either a resistance or conduction type soldering iron. When a conducting type soldering iron is used, the slight tinned effect occurring at the point where the tip contacts the base of the cup is normal and is acceptable provided there are no peaks, globules, or excessive buildup of solder.
 - (7) Excess solder in the form of buildup or overflow on a hollow terminal must not be in excess as to cause a short circuit between pins of other conductors and excess solder cannot interfere with the mechanical function of the terminals.

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4. Component Removal (Solder Removal Technique)

WARNING: XYLENE IS TOXIC. DO NOT BREATHE VAPORS. USE IN WELL VENTILATED AREA FREE FROM SPARKS, FLAME OR HOT SURFACES. WEAR SPLASH GOGGLES, SOLVENT RESISTANT GLOVES AND OTHER PROTECTIVE GEAR. IN CASE OF EYE CONTACT, FLUSH WITH WATER AND SEEK MEDICAL ATTENTION. IN CASE OF SKIN CONTACT, WASH WITH SOAP AND WATER.

- A. Printed circuit board assemblies are coated with an approved silicone resin coating. Before removing a component, carefully soften this coating with xylene or equivalent solvent. Remove resin from component and solder joint with a cleaning pad.
- B. Identify component by reference designation and note its polarity and pin orientation before removing it from board.

NOTE: Time between removal of old component, cleaning and soldering of new component must be kept to a minimum to prevent the formation of metallic oxides on surfaces to be soldered.

- C. Two methods for component solder removal are provided. Select a method based on equipment availability.

(1) Solder Extraction with Continuous Vacuum.

- (a) Select solder extraction tool and tip on the following criteria:
 - 1 Extraction Tool: Furnish adequate heat to melt solder.
 - 2 Tip I.D.: Minimum inside diameter that will fit over lead or pin while allowing sufficient clearance around the lead to permit solder and air to pass through it.
 - 3 Tip O.D.: Maximum outside diameter should not cover the pad completely nor touch the circuit board base material.
- (b) Set tip temperature so as to melt solder in two to three seconds.
- (c) Lightly place solder tip over lead and onto solder connection perpendicular to board or terminal.
- (d) Once solder begins to melt, use the tip to move the lead until it swings freely, indicating full solder melt.
- (e) Continuing to move the lead, start vacuum to remove solder and cool the solder joint. Apply vacuum for one to two seconds.
- (f) Remove the tip then turn off vacuum.

(2) Solder Removal with Solder Wick.

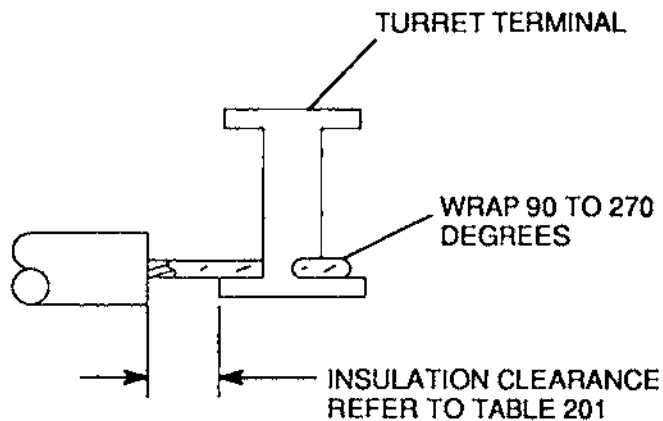
- (a) If component has exposed leads, cut leads and discard damaged components and leads.
- (b) Place a soldering iron equipped with the appropriate tip where lead end passes through board.
- (c) Heat the solder carefully.
- (d) Once solder has softened, extract lead end from board from the side opposite component.
- (e) Place solder wick over location of extracted component lead and heat solder wick with soldering iron.
- (f) Wick remaining solder from lead connection hole in board.
- (g) Repeat this procedure for both sides of lead connection hole.

D. Wire Lead Solder Removal.

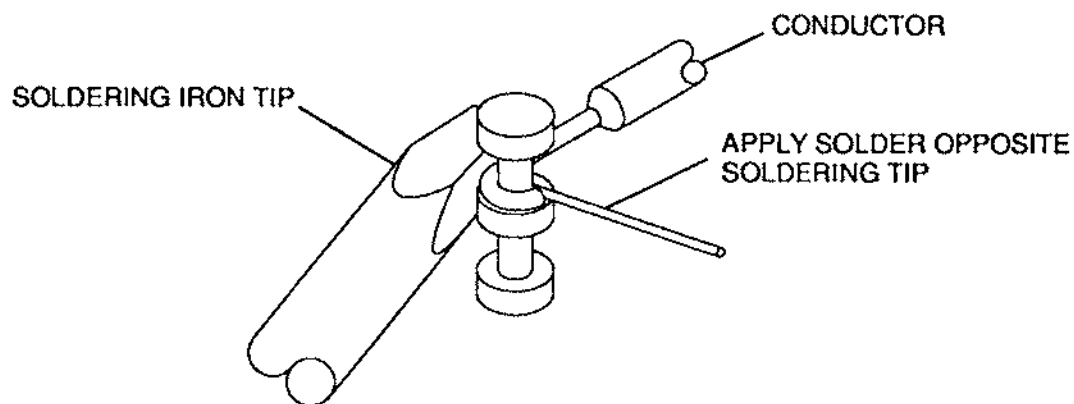
- (1) Using a soldering iron equipped with the appropriate tip, carefully heat the lead to be removed until the solder melts.
- (2) Carefully remove the lead wire so as to alter the shape of the connecting bend as little as possible.
- (3) Place solder wick over location of extracted wire lead. Heat solder wick with soldering iron to remove remaining solder from wire lead.

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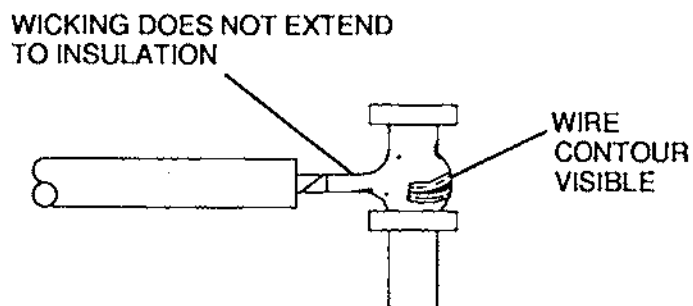
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A. ATTACH WIRE TO TERMINAL



B. SOLDER WIRE



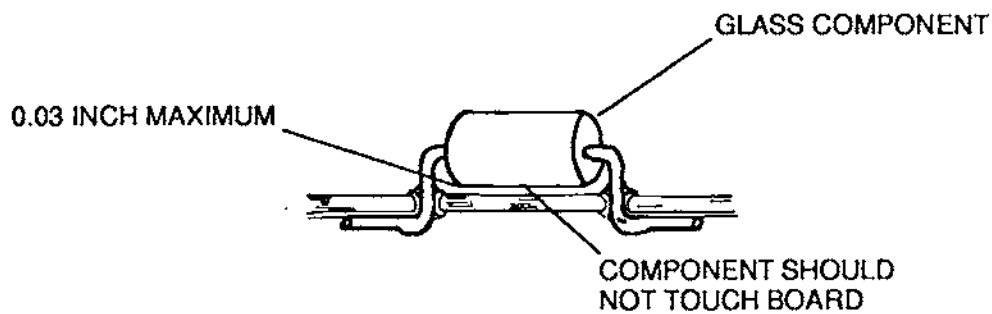
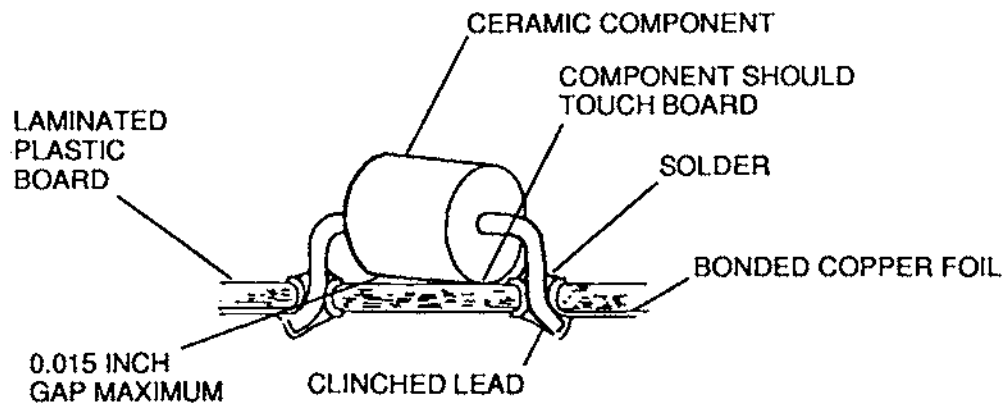
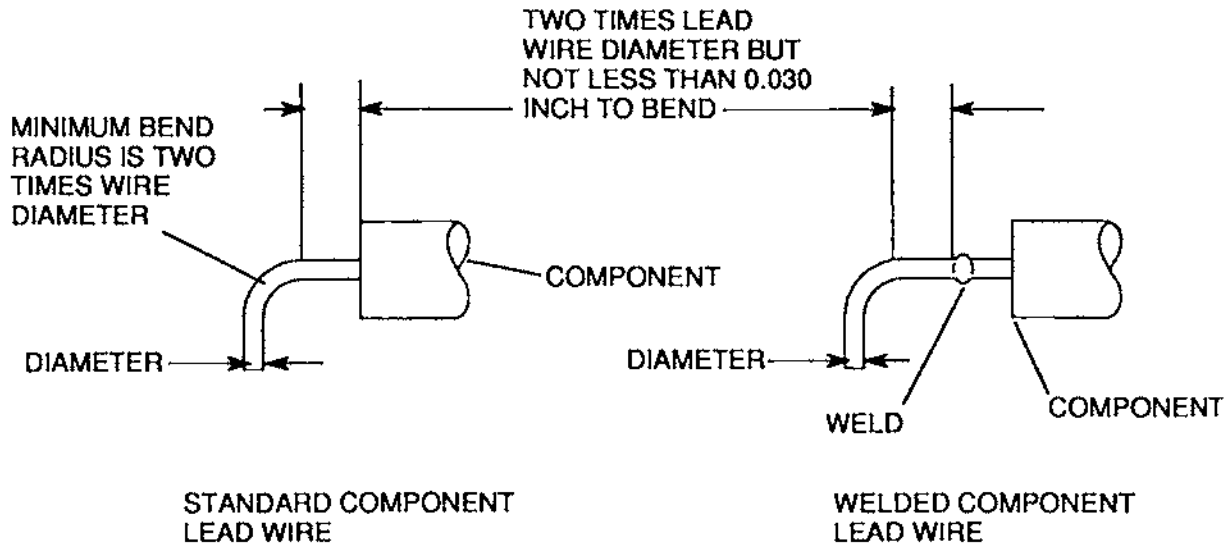
C. COMPLETED JOINT

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Soldering Turret Terminals
Figure 201 (Sheet 1)

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MODEL 172
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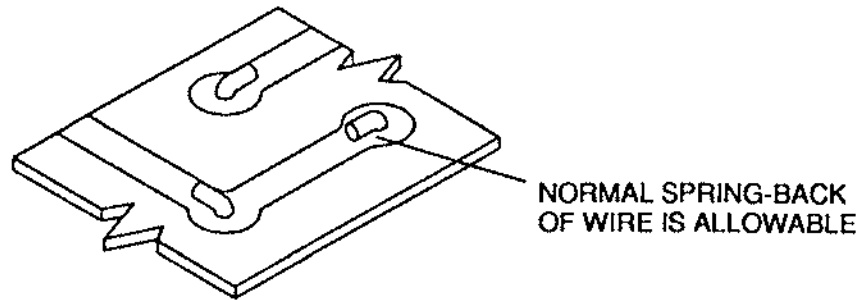


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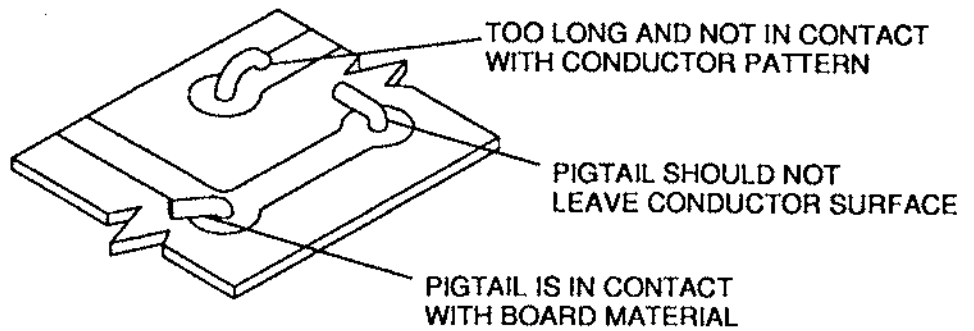
Installing Components on Printed Circuit Boards
 Figure 202 (Sheet 1)

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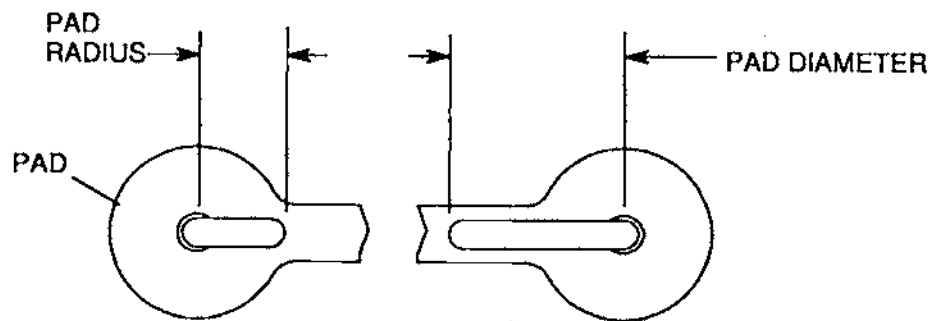
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PREFERRED



NOT ACCEPTABLE



MINIMUM CLINCH LENGTH
EQUAL TO PAD RADIUS

MAXIMUM CLINCH LENGTH
EQUAL TO PAD DIAMETER



PREFERRED



ACCEPTABLE



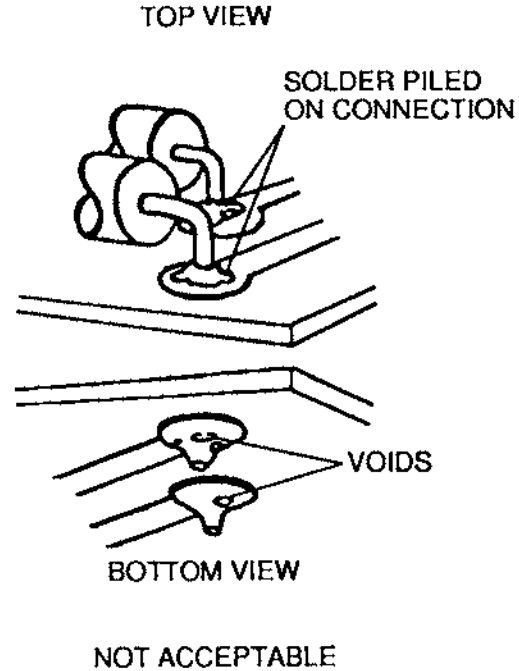
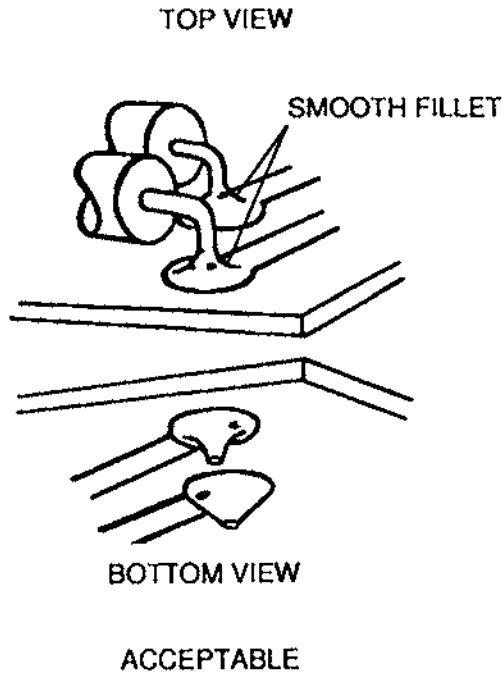
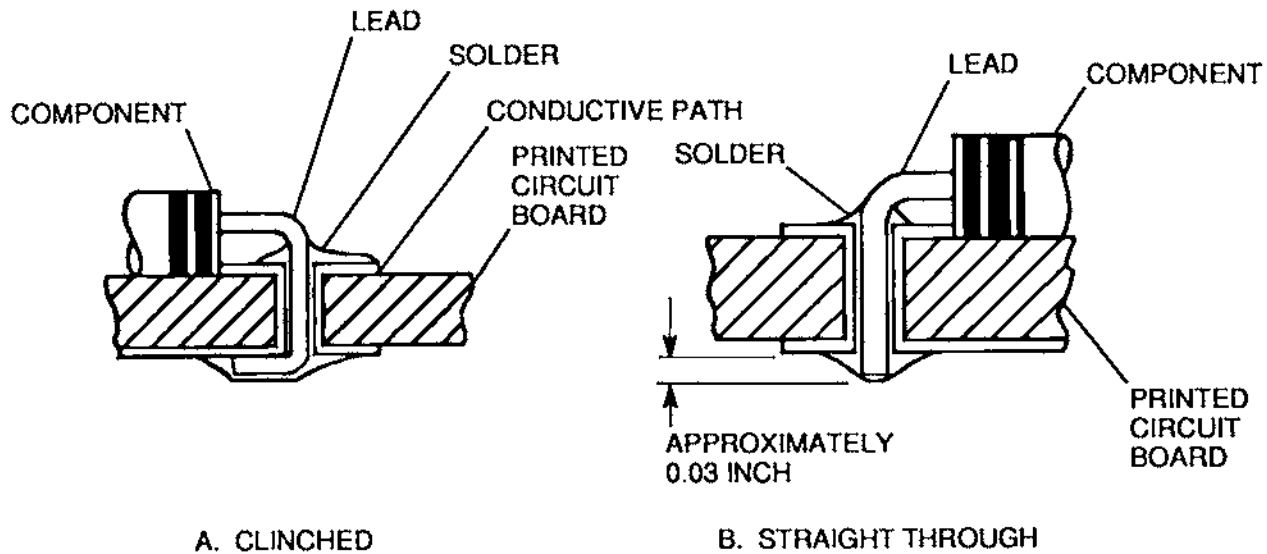
NOT ACCEPTABLE

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Installing Components on Printed Circuit Boards
Figure 202 (Sheet 2)

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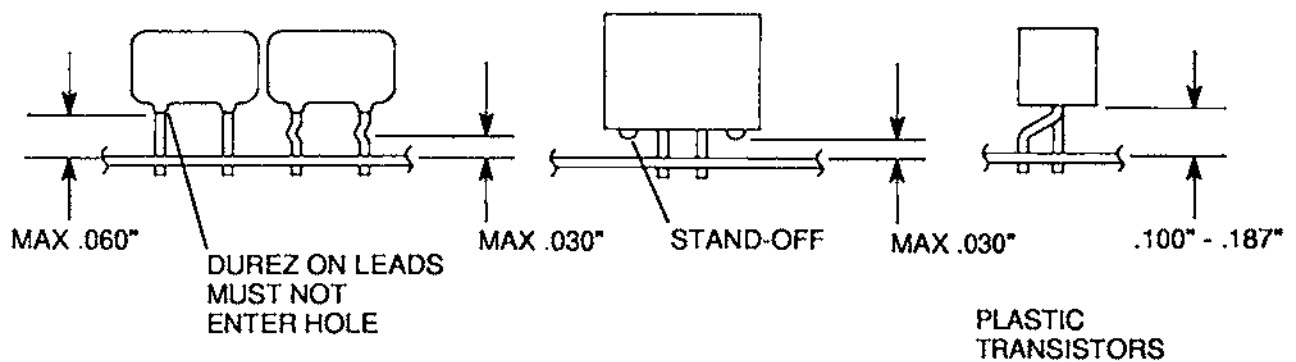
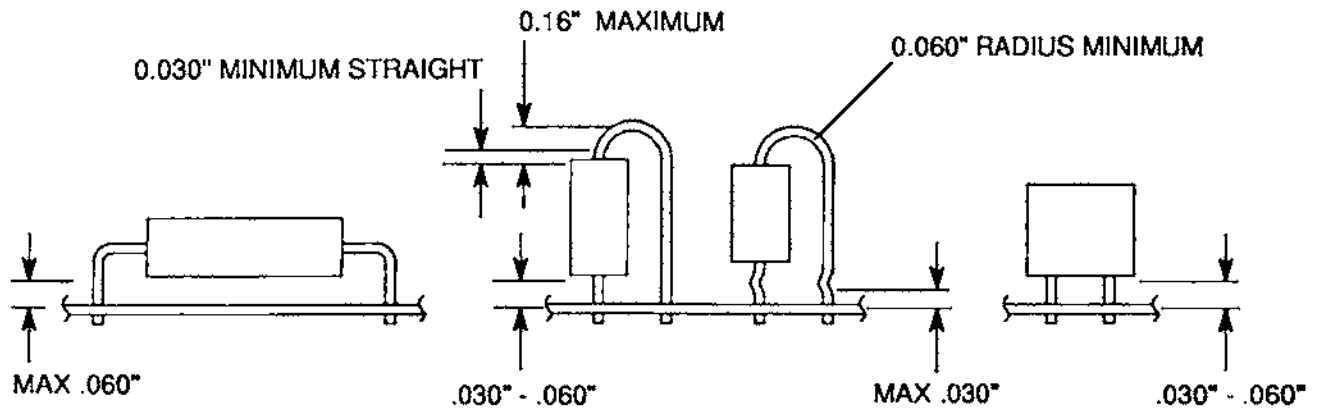


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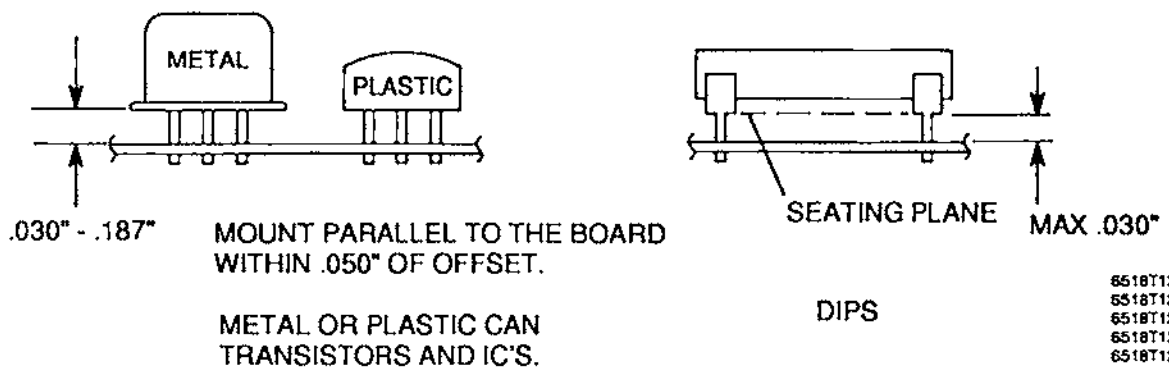
Soldering Printed Circuit Boards
 Figure 203 (Sheet 1)

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NOTE: THE COMPONENTS SHOWN ABOVE SHOULD BE MOUNTED PERPENDICULAR TO THE BOARD WITHIN 15°.

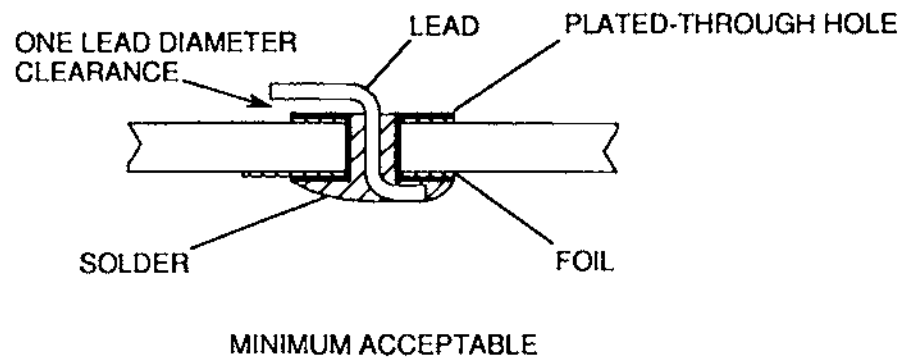
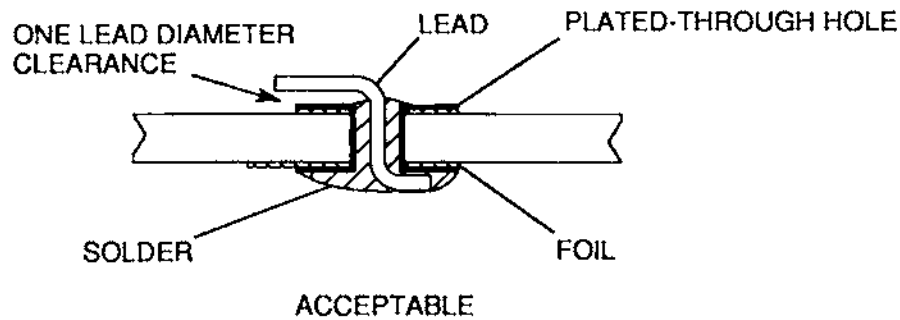
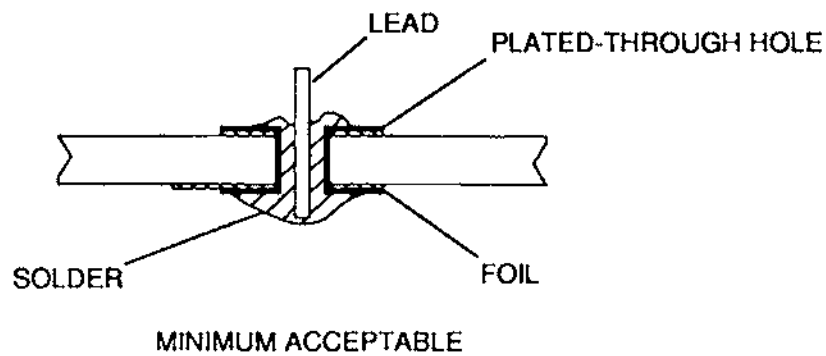
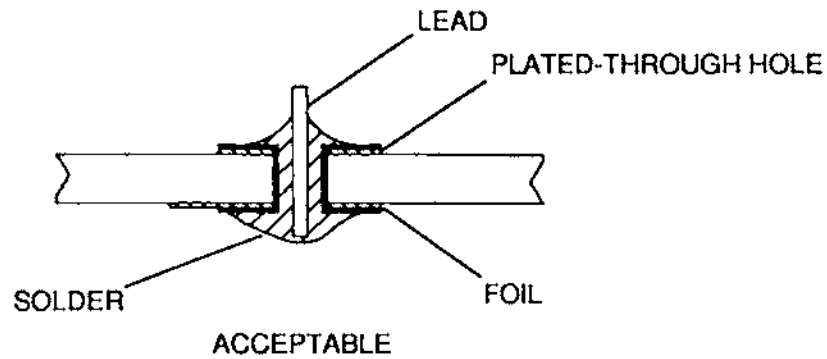


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Soldering Printed Circuit Boards With Plated-Thru-Holes
 Figure 204 (Sheet 1)

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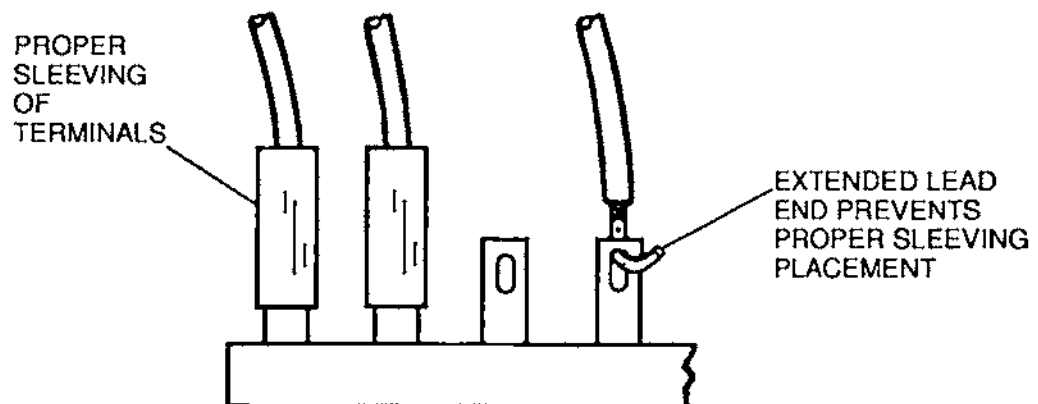


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Soldering Printed Circuit Boards With Plated-Thru-Holes
Figure 204 (Sheet 2)

CESSNA AIRCRAFT COMPANY
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WIRING DIAGRAM MANUAL

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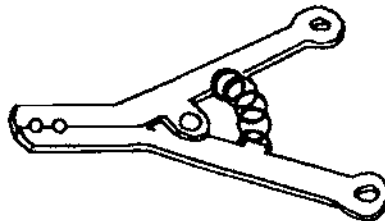
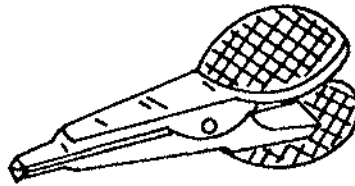


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Soldering and Sleeving of Insulated Terminals
Figure 205 (Sheet 1)

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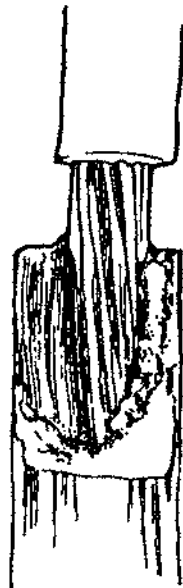
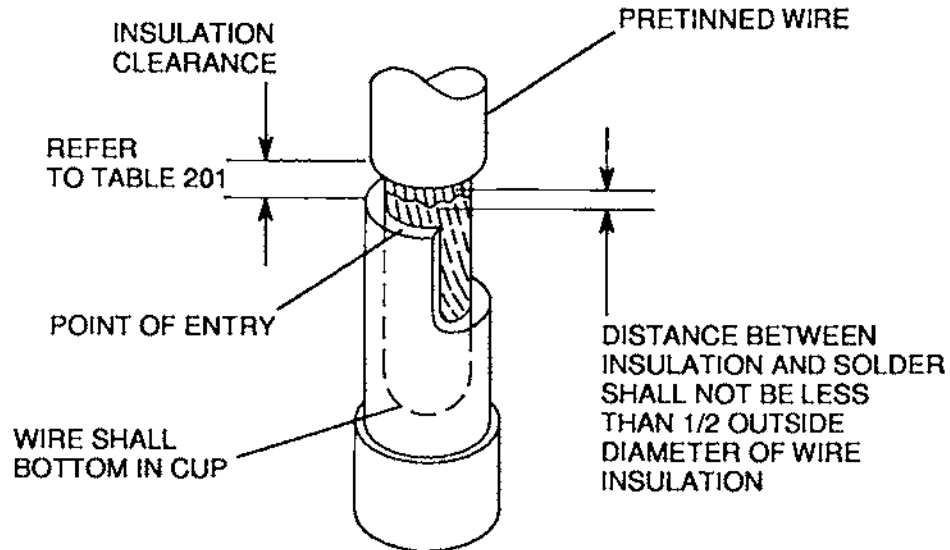


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Typical Thermal Shunts
Figure 206 (Sheet 1)

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DESIRED

1. ONLY SUFFICIENT SOLDER HAS BEEN USED TO FILL THE CUP.
2. CONDUCTOR SHOWS NO SIGN OF WICKING. INDIVIDUAL STRANDS ARE VISIBLE.
3. CONDUCTOR IS CORRECT SIZE FOR CUP APPLICATION.

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Soldering Solder Cup Terminals
Figure 207 (Sheet 1)

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ACCEPTABLE

1. SOLDER HAS WICKED UP TO BUT NOT UNDER THE INSULATION. NO EVIDENCE OF SCORCHING OR ENLARGING OF THE INSULATION.
2. ALL STRANDS ARE WITHIN CUP AND FULLY SEATED.
3. MAXIMUM SOLDER; HOWEVER THE SOLDER DOES NOT EXTEND BEYOND CUP DIAMETER.
4. STRANDS ARE DEFINED BELOW THE TOP SURFACE OF THE CUP.

NOT ACCEPTABLE

1. CONDUCTOR IS TOO BIG FOR CUP APPLICATION.
2. CONNECTION CONTAINS LOOSE STRANDS WHICH HAVE BEEN CUT TO REDUCE SIZE OF CONDUCTOR TO FIT CUP.
3. INSULATION STRIP GAP IS EXCESSIVE.



NOT ACCEPTABLE

1. COLD SOLDER.
2. EXCESSIVE SOLDER OBSCURES STANDS OF WIRE IN THE CUP.
3. WICKING IS EVIDENT BY SOLDER EXTENDING TO AND UNDER INSULATION AS EVIDENCED BY ENLARGED INSULATION.

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Soldering Solder Cup Terminals
Figure 207 (Sheet 2)

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ELECTRICAL CONNECTORS - MAINTENANCE PRACTICES

1. General

- A. Electrical connectors are used to join airplane wire bundles, electronics wiring and antenna cables. This section provides information about contacts and insertion/extraction tools used with connectors. To locate a connector in this section refer to Table 201. For crimp tool and positioner information used with a contact, refer to Table 202.
- B. Electrical connectors may use solder-type or crimp-type contacts.
- C. Some typical tools used with crimp-type connectors are shown in Figure 201. Refer to Figure 205 for typical crimping instructions.

Table 201. Connector Information

03-06-XX		V27264	Refer to Figure 206 03-06 and 06-06 Series Molex Connectors	
AWG	Pin	Socket	Insertion Tool	Extraction Tool
18-24 (Gold Plate)	02-06-6103	02-06-5103	11-01-0001	11-03-0009
18-24 (Tin)	02-06-2103	02-06-1103	11-02-0001	11-03-0009
200838-2		V00779	Refer to Figure 208 AMP M Series Connector Kit	
AWG	Pin	Socket	Insertion Tool	Extraction Tool
20-24		S2099-4	91002-1	305183
LMD4001X		V49367	Refer to Figure 209 LMD4000 Series Connectors	
AWG	Pin	Socket	Insertion Tool	Extraction Tool
22	LMD-4022-36LJ	LMD-4122-96LD	MIL-I-81969/ 14-02	MIL-I-81969/ 14-02
M24308/2-X, M24308/4-X			Refer to Figure 210 M24308 Series Connectors	
AWG	Pin	Socket	Insertion Tool	Extraction Tool
18-20	330-5291-001	031-1007-001	None Required	CET-20-15
20-24	030-5291-000	031-1007-000	None Required	CET20-11 EXT-20HD
MS27467, MS2747X, MS27484, MS27497			Refer to Figure 211 Mil-C-38999 Series 1 and Series 2 Connectors	
AWG	Pin	Socket	Insertion Tool	Extraction Tool
20	M39029/58-363	M39029/57-357	MS27534-20	MS27534-20
22	M39029/58-360	M39029/57-354	MS27534-22D	MS27534-22D
S1637-1, S1637-2			Refer to Figure 207 AMP Commercial Mate-N-Lock Series Connectors	
AWG	Pin	Socket	Insertion Tool	Extraction Tool

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Table 201. Connector Information (continued)

14-20	60620-1	60619-1	465644-1	465644-1
18-24	60618-1	60617-1	465644-1	465644-1
22-24	61174-1	61173-1	465644-1	465644-1
S1638-1				
AWG	Pin	Socket	Insertion Tool	Extraction Tool
18-24 (Bronze)		S1636-1	455830-1	465644-1
S1638-2, S1638-4, S1638-6			Refer to Figure 207 AMP Commercial Mate-N-Lock Series Connectors	
AWG	Pin	Socket	Insertion Tool	Extraction Tool
14-20 (Gold)	60620-5	60619-5	465644-1	465644-1
18-24 (Brass)	60618-1	60617-1	455830-1	465644-1
18-24 (Bronze)	60618-4	60617-4	455830-1	465644-1
S1640-12, S1641-12			Refer to Figure 207 AMP Commercial Mate-N-Lock Series Connectors	
AWG	Pin	Socket	Insertion Tool	Extraction Tool
14-20 (Gold)	60620-5	60619-5	465644-1	465644-1
18-24 (Brass)	60618-1	60617-1	455830-1	465644-1
18-24 (Bronze)	60618-4	60617-4	455830-1	465644-1
S1640-6				
AWG	Pin	Socket	Insertion Tool	Extraction Tool
18-24 (Bronze)	S1635-1		455830-1	465644-1
S1641-6				
AWG	Pin	Socket	Insertion Tool	Extraction Tool
18-24		S1636-1	455830-1	465644-1
S2035-1			Refer to Figure 207 AMP Commercial Mate-N-Lock Series Connectors	
AWG	Pin	Socket	Insertion Tool	Extraction Tool
18-24	S1635-1		455830-1	1-305183-2
S2035-2			Refer to Figure 207 AMP Commercial Mate-N-Lock Series Connectors	

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WIRING DIAGRAM MANUAL

Table 201. Connector Information (continued)

AWG	Pin	Socket	Insertion Tool	Extraction Tool
14-20 (Gold)	60620-5	60619-5	465644-1	465644-1
18-24 (Brass)	60618-1	60617-1	455830-1	465644-1
18-24 (Bronze)	60618-4	60617-4	455830-1	465644-1
S2527-1			Refer to Figure 208 AMP M Series Connector Kit	
AWG	Pin	Socket	Insertion Tool	Extraction Tool
20-24		S2099-4	91002-1	305183
S3070-9, S3070-10			Refer to Figure 209 LMD4000 Series Connectors	
AWG	Pin	Socket	Insertion Tool	Extraction Tool
22	S3070-5	S3070-6	MIL-I-81969/ 14-02	MIL-I-81969/ 14-02

Table 202. Crimp Tools

Contact	Crimp Tool	Positioner
02-06-1103	11-01-0008	
02-06-2103	11-01-0008	
02-06-5103	11-01-0008	
02-06-6103	11-01-0008	
030-5291-000	M22520/2-01	M22520/2-08
030-5291-000	MS3191-A	P20-3191-1
031-1007-000	M22520/2-01	M22520/2-08
031-1007-000	MS3191-A	P20-3191-1
031-1007-001	M22520/1-01	TH25
031-1007-001	MS3191-1	P20-3191-17
330-5291-001	M22520/1-01	TH25
330-5291-001	MS3191-1	P20-3191-17
60617-1	90123-2	
60617-4	90123-2	
60618-1	90123-2	
60618-4	90123-2	
60619-1	90124-2	
60619-5	90124-2	
60620-1	90124-2	

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Table 202. Crimp Tools (continued)

Contact	Crimp Tool	Positioner
60620-5	90124-2	
61173-1	90066-5	
61174-1	90066-5	
LMD-4022-36LJ	M22520/2-01	
LMD-4122-96LD	M22520/2-01	M22520/2-07
M39029/57-354	M22520/2-01	M22520/2-06
M39029/57-357	M22520/1-01	M22520/1-04
M39029/58-360	M22520/2-01	M22520/2-08
M39029/58-360	MS3191-A	P20-3191-1
M39029/58-363	M22520/1-01	M22520/1-04
S1635-1	90123-2	
S1636-1	90123-2	
S2099-4	90066	
S3070-5	M22520/2-01	
S3070-6	M22520/2-01	M22520/2-07

- D. All environmentally sealed type connectors will have all empty cavities filled with unwired contacts (pins and sockets) and sealing plugs.

2. Assembling MS3106 Series Connectors

A. Inserting Contacts. Refer to Figure 202.

- (1) Disassemble connector.
- (2) Slide clamping ring and compression sleeve on to wire bundle.
- (3) Feed wires through sealing grommet and rear insert.
- (4) Lock retaining ring into proper position by slipping silicone bushing toward receptacle or pin end of contact.

NOTE: Locking the retaining ring may be accomplished after crimping has been completed.

- (5) Strip insulation from wire ends.
- (6) Crimp contacts on to wires.
- (7) Install contacts in front insert.
- (8) After all contacts are properly positioned in front insert, slide rear insert over rear end of contacts until rear insert butts against forward insert.
- (9) Align keyway and install assembled inserts into connector shell.
- (10) Slide sealing grommet forward until grommet butts against rear insert.
- (11) Slide compression sleeve and clamping nut forward until clamping nut engages threads on connector shell. Make certain packing in clamping nut is seated properly.
- (12) Tighten clamping nut finger tight plus quarter turn.

NOTE: A strap wrench or a padded wrench may be used to tighten the clamping nut the additional quarter turn.

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3. Assembling DBA-Type Connectors

NOTE: This is typical for all connectors with the contacts installed and removed from the rear.

A. Installing Contacts. Refer to Figure 203 and Figure 204.

- (1) Strip insulation from wire ends. For number 12 to number 20 contacts, strip 1/4 to 5/16 inch. For number 20 contacts, strip 5/32 to 7/32 inch.
- (2) Insert wire into contact until wire strands are visible in inspection hole.
- (3) Crimp contact with proper crimping tool.

B. Removing Contacts.

NOTE: For all crimp-type connectors, all unused wire cavities must be filled with plastic wire hole fillers designed for the type of connector being used.

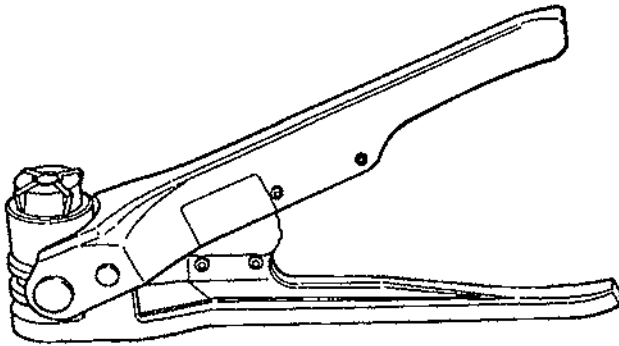
- (1) With the rear insert toward you, snap the white end of appropriate size insertion/removal tool over the wire of the contact to be removed.
- (2) Slowly slide the tool along the wire into the insert cavity until it engages the contact shoulder and a positive resistance is felt. At this time, the contact retaining clip is in the unlock position.
- (3) Press the wire against the serrations of the tool and pull both tool and contact-wire assembly from the connector.

C. Inserting Contacts.

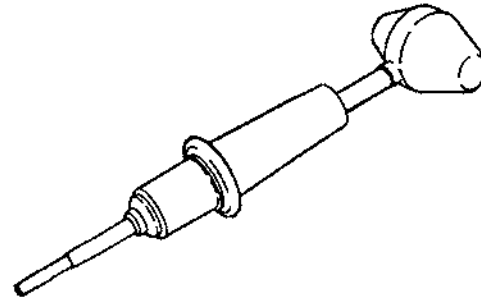
- (1) Snap the wire into the appropriate insertion/removal tool.
- (2) Pull the wire back through the tool until the tip of the tool seats against the back of the wire contact.
- (3) Holding the connector with the backshell removed, slowly push the contact straight into the connector insert.
- (4) A firm stop will be evident when the contact positively seats, then let go of the wire and pull out the tool.

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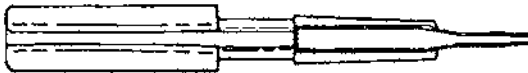
A4004



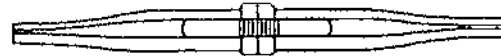
DEUTSCH
M15500-x-7
CONTACT CRIMPING TOOL



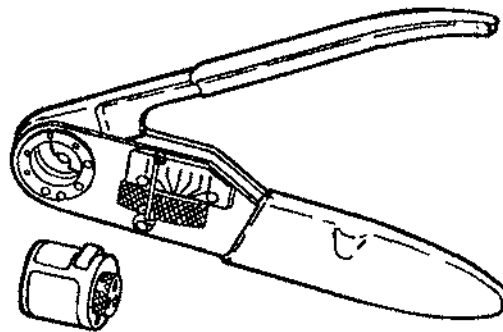
DEUTSCH
M15515-20
EXTRACTION TOOL



DEUTSCH
M15513-20
INSERTION TOOL



DEUTSCH
M15570-20
INSERTION / REMOVAL TOOL



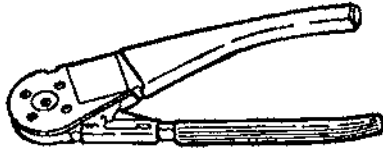
MS3191-3
MS3191-4
WITH MS3191-3T

55981015
55801010
55801010
55981014
55802009

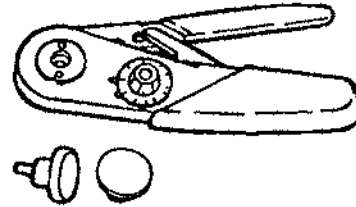
Typical Tools for Crimp-Type Connectors
Figure 201 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

A3978



MS3191-1



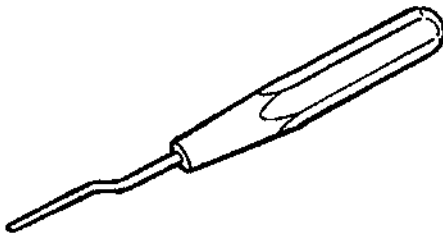
MS3198-1



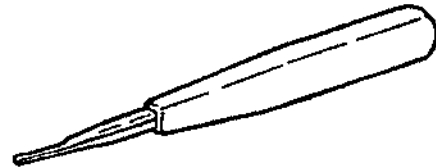
MS27495A20
INSERTION TOOL



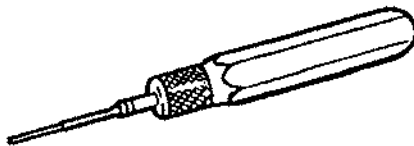
MS27495R20
EXTRACTION TOOL



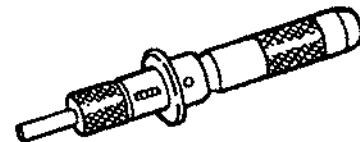
CANNON
CIT-20-18



MS24256A20



CANNON
CET-20-4



MS24256R20

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55802009
55802009
55802009

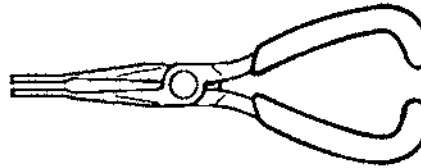
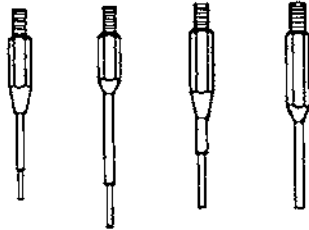
Typical Tools for Crimp-Type Connectors
Figure 201 (Sheet 2)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

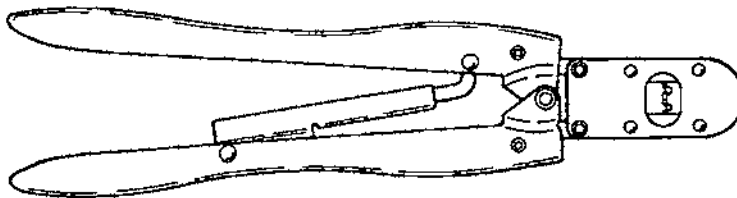
A3982



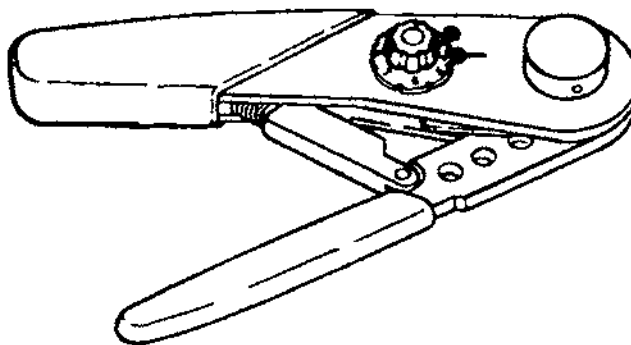
BENDIX
11-3697
11-3698
11-6783
11-6784
EXTRACTION TOOLS



BENDIX
11-8794-20
INSERTION TOOL



AMP
90066



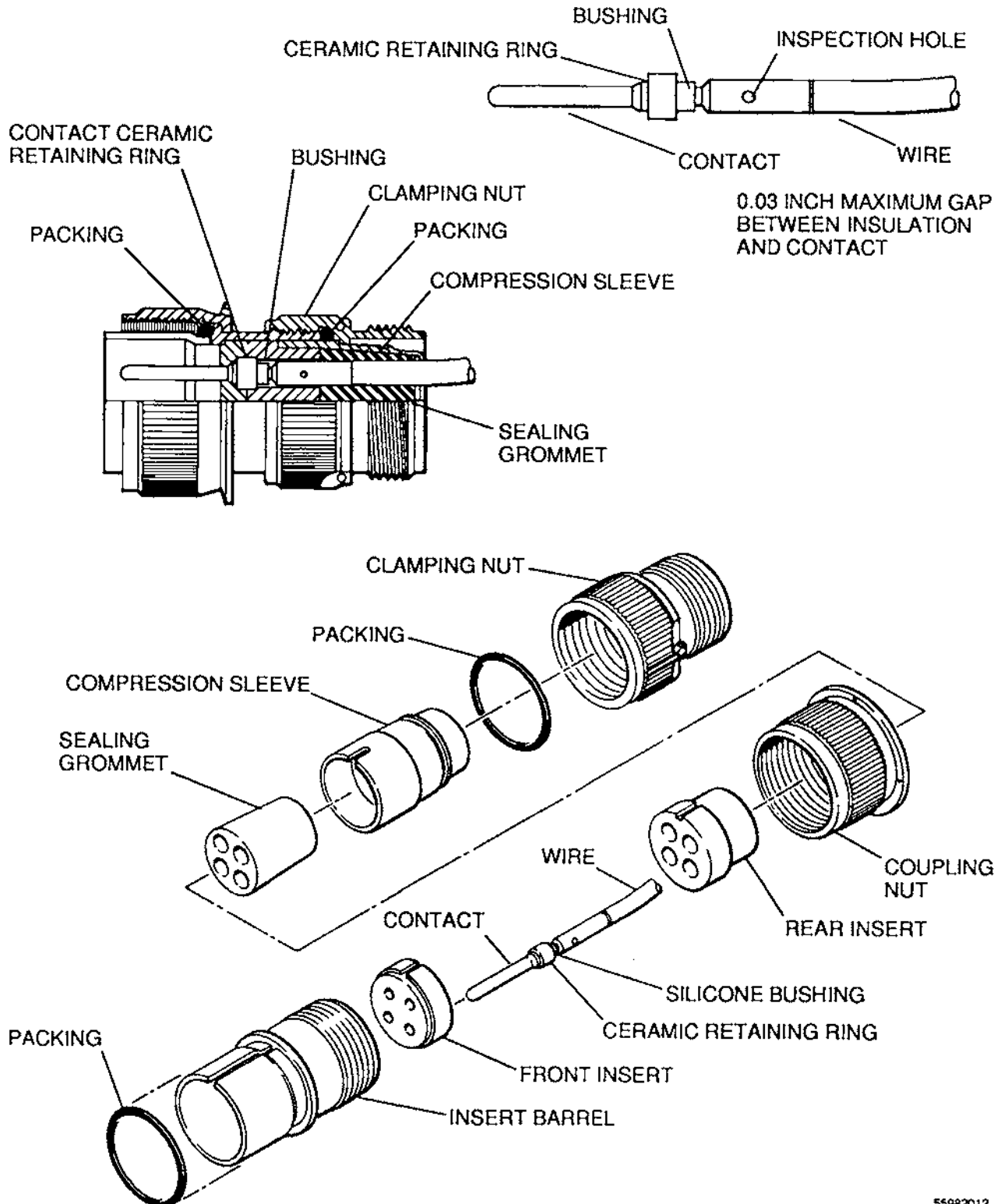
DANIELS
MH800-K127

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Typical Tools for Crimp-Type Connectors
Figure 201 (Sheet 3)

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

A3984

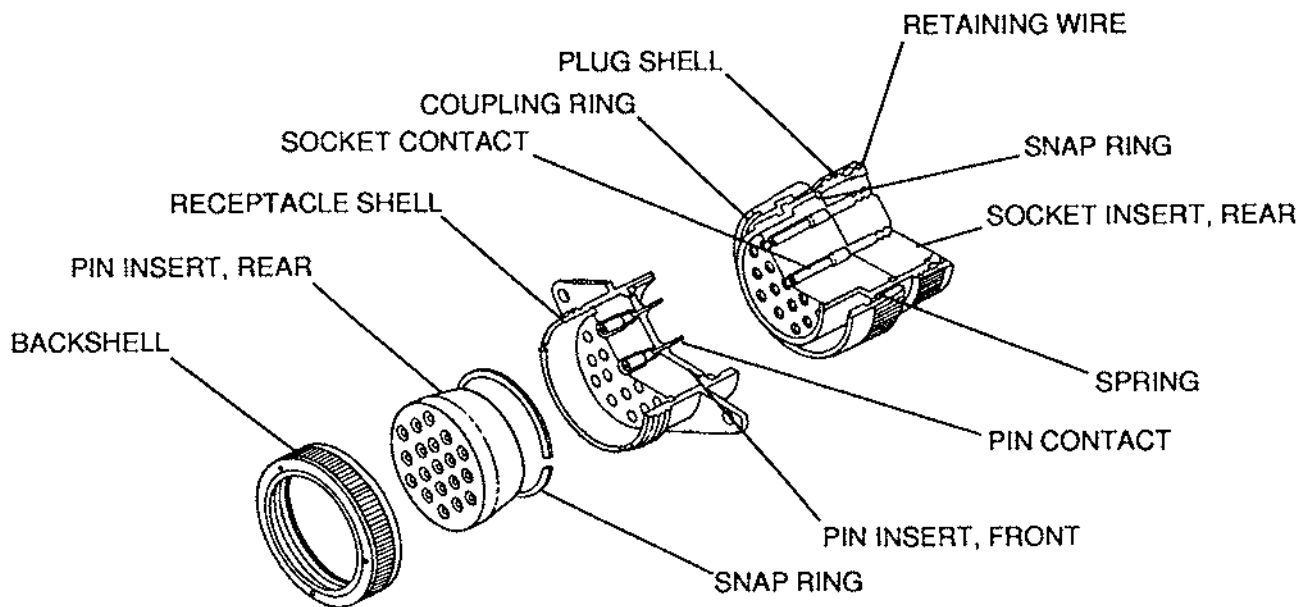


Solder-Type Connectors
 Figure 202 (Sheet 1)

55982012
 55982012
 55982012

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

A3908



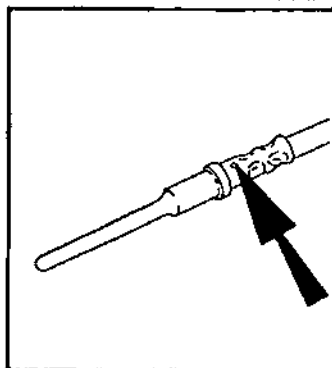
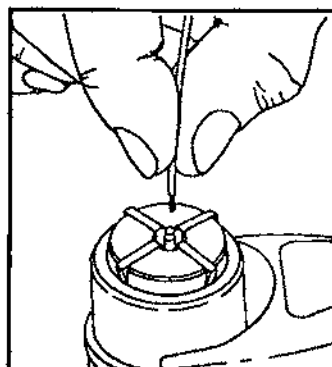
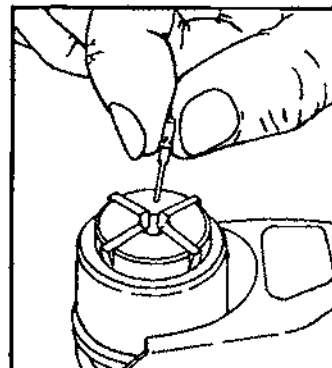
55981016

Crimp-Type Connector Assembly
Figure 203 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

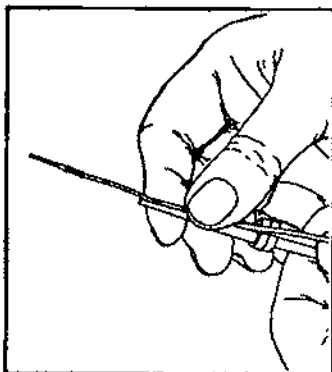
A3990

1. Drop either the pin or socket contact to be crimped into the crimping tool with the contact crimp barrel facing up. This tool features a universal crimp stop which is interchangeable with pins and sockets.
2. Insert the bare wire into the open end of the contact and squeeze the crimp tool. (The crimp tool will only release the contact when the full-crimping cycle has been performed.) Remove the crimped contact from the tool.
3. Visibility of the wire in the contact inspection hole (arrow) indicates that the wire is crimped into the contact at the proper depth and dimension.



TO INSERT

1. Hold the colored half of the appropriate insertion/removal tool between the thumb and forefinger and lay the wire to be inserted along the slot leaving about 0.50 inch of wire protruding. Then snap the wire into the tool. (Size 8 contacts do not require a tool.)



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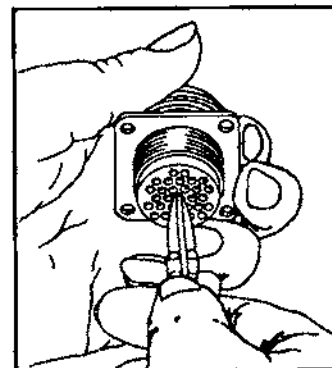
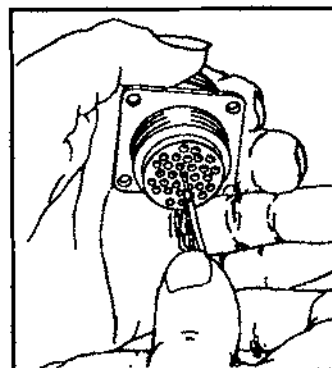
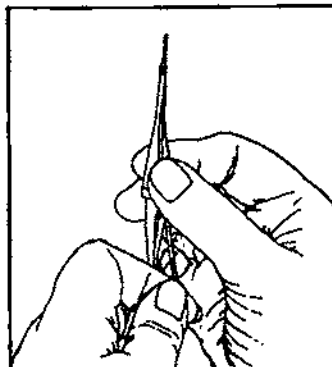
Typical Removal and Installation of Rear-Release Contacts
Figure 204 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

A3996

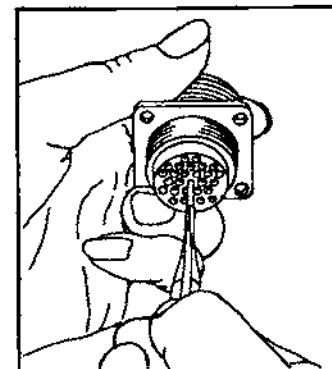
TO INSERT (Continued)

2. Pull the wire back through the tool until the tip of the tool seats against the shoulder.
3. Holding the connector with the backshell removed and the rear insert facing you, slowly push the contact straight into the connector insert.
4. A firm stop will be evident when the contact positively seats in the connector insert. Then let go of the wire and pull out the tool.



TO REMOVE

1. With the rear insert toward you, snap the white end of the appropriate size double-ended plastic tool over the wire of the contact to be removed.



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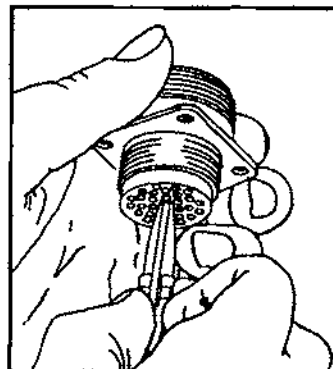
Typical Removal and Installation of Rear-Release Contacts
Figure 204 (Sheet 2)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

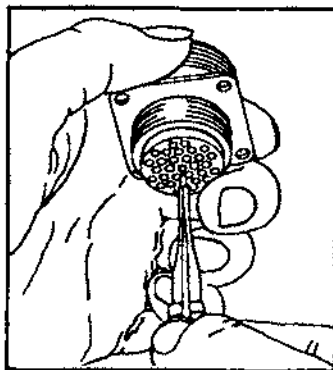
A4000

TO REMOVE (Continued)

2. Slowly slide the tool along the wire into the insert cavity until it engages the contact rear and a positive resistance is felt. At this time, the contact retaining clip is in the unlock position.

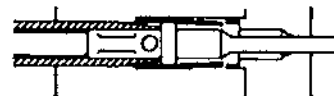


3. Press the wire of the contact to be removed against the serrations of the plastic tool and pull both the tool and the contact wire assembly out of the connector.



CONTACT INSERTION

Contact partially inserted with insertion end of tool.



Contact fully inserted as tool expands tines.



Tines snap behind contact shoulder when tool is removed.

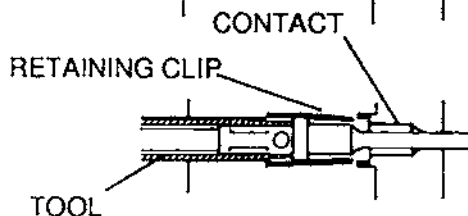


CONTACT EXTRACTION

Tines expanded beyond contact shoulder with extraction end of tool, ready for release.



Contact partially removed.



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Typical Removal and Installation of Rear-Release Contacts
Figure 204 (Sheet 3)

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

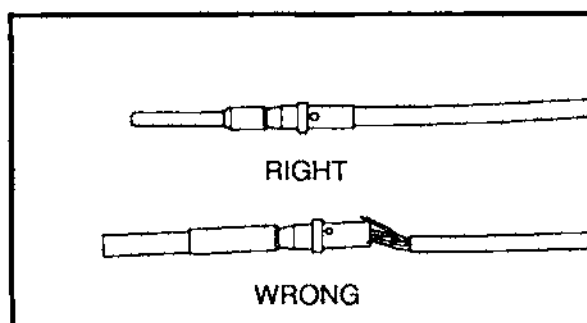
A4010

CRIMPING CONTACTS

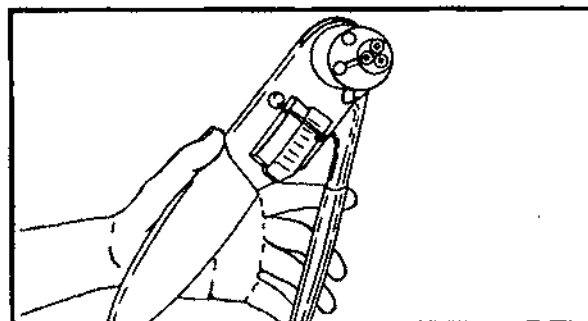
1. Strip wires according to the table, taking care not to cut or nick strands.

Contact Size	Wire Size AWG	Strip Insulation
20	Number 20 - 24	0.18
16	Number 16 - 20	0.25

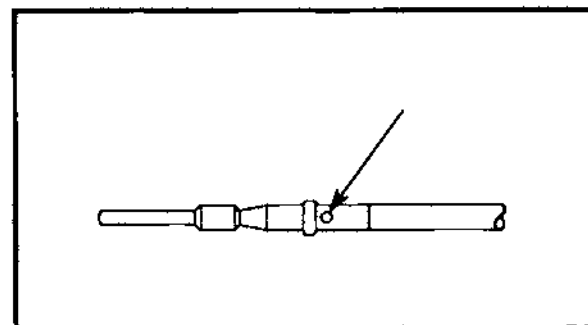
2. Insert stripped wire into contact crimp pot. Wire must be visible through inspection hole



3. Using correct crimp tool and locator, cycle the tool once to be sure the indentors are open. Insert contact and wire into locator. Squeeze tool handles firmly and completely to ensure a proper crimp. The tool will not release unless the crimp indentors in the tool head have been fully actuated.



4. Release crimped contact and wire from tool. Be certain the wire is visible through inspection hole in contact.



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 55801009

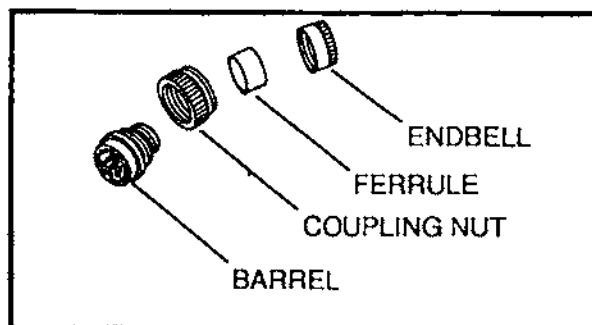
Typical Removal and Installation of Front-Release Contacts
 Figure 205 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

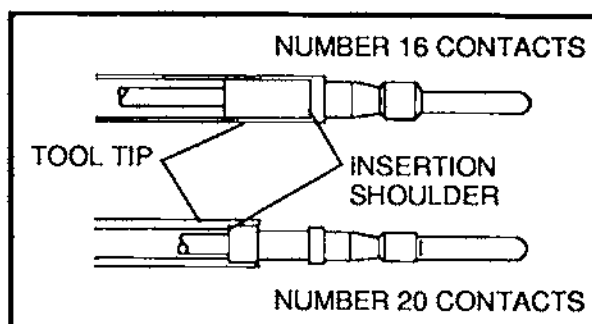
A4016

CONTACT INSERTION

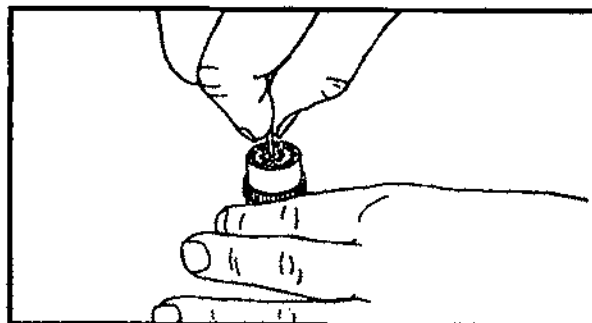
5. Remove hardware from plug and receptacle. Slide hardware over wire bundle in proper order for reassembly.



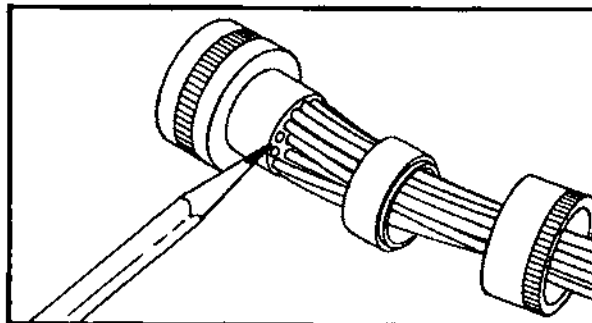
6. Use the proper contact insertion tool, and slide the tool over the terminal end of the contact. The size 16 contact lies in the tool and the tool tip butts against the contact shoulder. The rear, or insulation support of the size 20 contact butts against an internal shoulder in the tool tip.



7. Beginning from center cavity and working outward, insert wired contacts into rear of connector by hand until the front of the contact shoulder is no more than 0.12 inch from the grommet. Holding the connector securely, position tool behind contact. Push tool straight into contact cavity until contact snaps into position. A light pull on the wire will assure that contact is locked securely. Repeat for remaining contacts.



8. Use wire hole fillers or grommet sealing plugs to fill any empty cavities and assemble hardware to rear of plug or receptacle.



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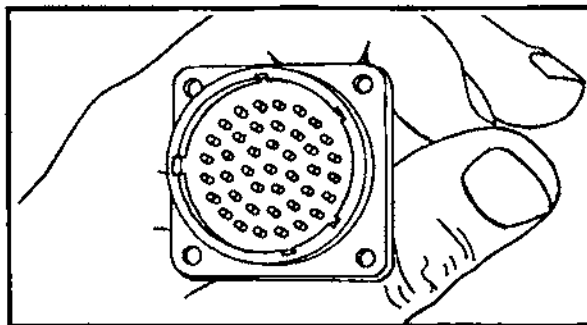
Typical Removal and Installation of Front-Release Contacts
Figure 205 (Sheet 2)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

A4021

COMPLETION

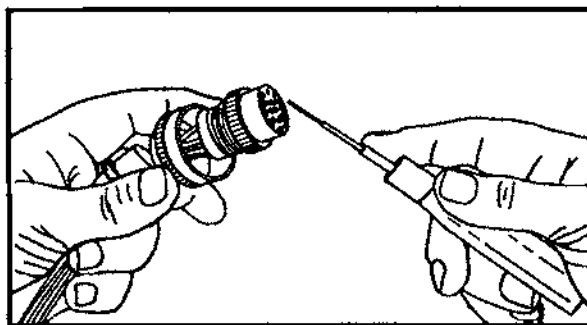
9. Check face of plug or receptacle for proper contact installation.



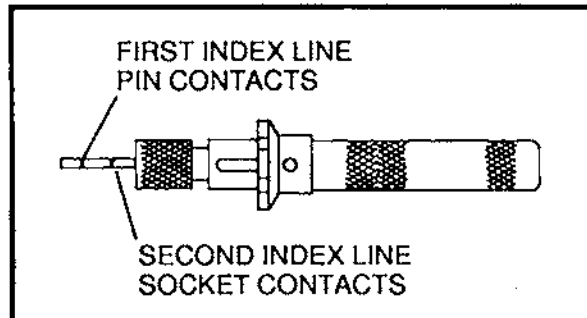
CONTACT EXTRACTION

10. Slide hardware back over wire bundle. Using proper extraction tool or extraction end of proper insertion/extraction tool, proceed as follows:

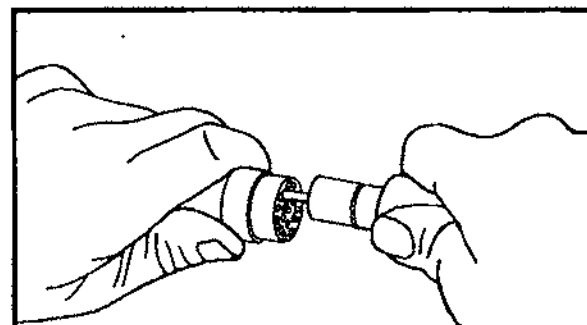
KPTM: Make sure reversible tool tip is set for pin or socket contacts. Place tool tip over contact from front of insulator and, with slow and even pressure, push contact out of back of insulator.



MS3126F-xx-xxx: Use the proper extraction tool. There are two lines on the clip sleeve which are vital to the contact removal process. The first index line is used for removing pin contacts while the second index line is for removing socket contacts.



Carefully place the tool over the contact to be extracted until the tool tip touches the insulator face. Carefully rotate the tool until the index line is slightly below the insulator face. Keep an even pressure against tool body; push plunger forward with thumb and index finger, and push the contact out through the clip. Carefully remove extraction tool from connector. Pull the wire by hand to complete the removal of the contact.

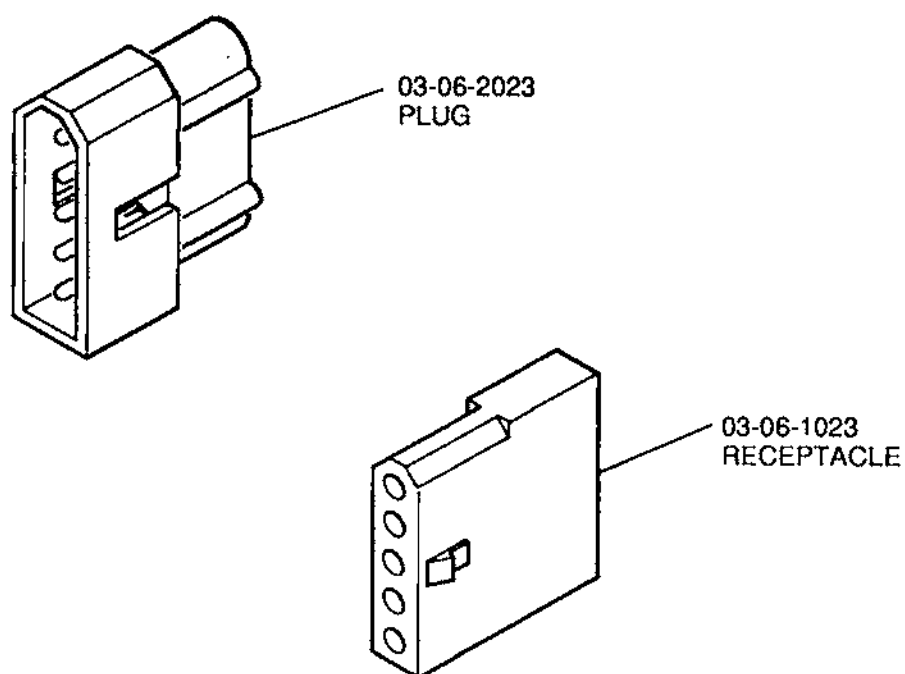


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Typical Removal and Installation of Front-Release Contacts
Figure 205 (Sheet 3)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

A4017

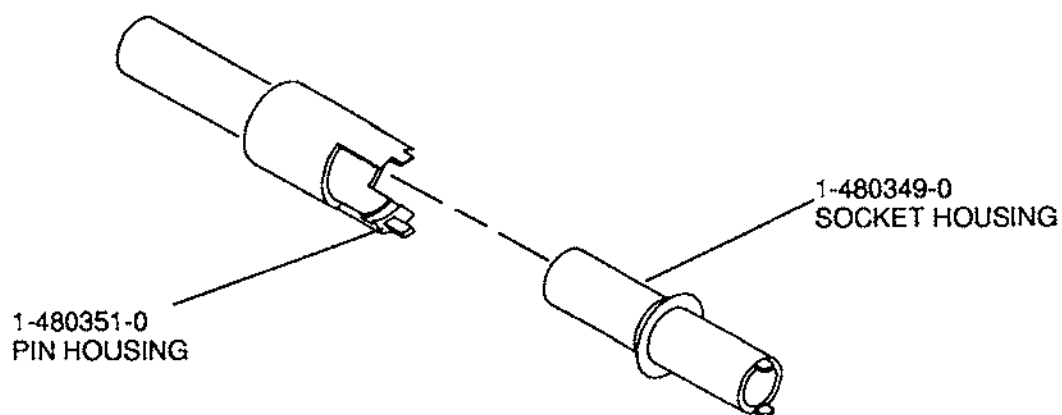


85181162

03-06 and 06-06 Series MoLEX Connectors
Figure 206 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

A4013



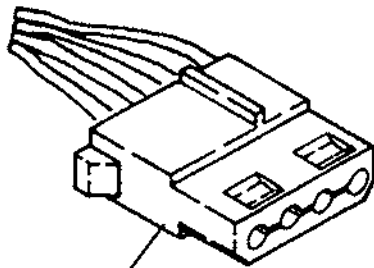
CESSNA PART NUMBER S1637-1 (VENDOR PART NUMBER 1-480351-0)
CESSNA PART NUMBER S1637-2 (VENDOR PART NUMBER 1-480349-0)

1-480351-0
1-480349-0

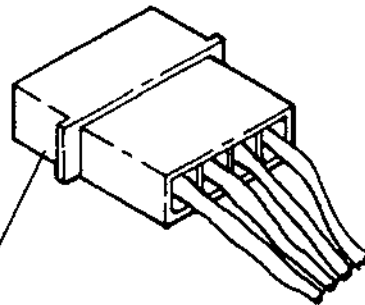
AMP Commercial Mate-N-Lock Series Connectors
Figure 207 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

A3986



1-480303-0
(3 CONTACT, SIMILAR)
1-480424-0
(4 CONTACT, SHOWN)
1-480275-0
(12 CONTACT, SIMILAR)
SOCKET HOUSING
(PLUG)



1-480305-0
(3 CONTACT, SIMILAR)
1-480426-0
(4 CONTACT, SHOWN)
1-480278-0
(12 CONTACT, SIMILAR)
PIN HOUSING
(CAP)

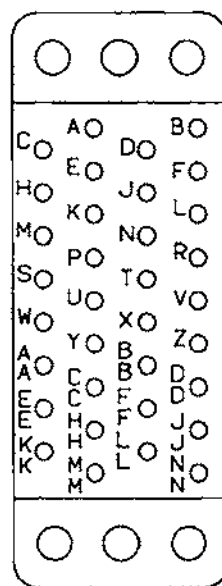
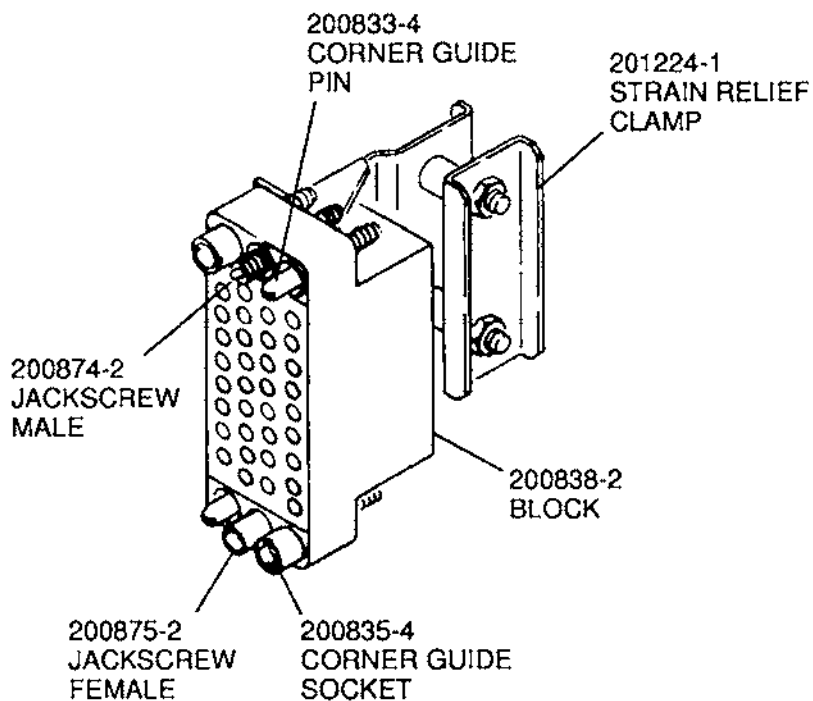
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CESSNA PART NUMBER S1638-2 (Vendor Part Number 1-480305-0)
CESSNA PART NUMBER S1638-4 (Vendor Part Number 1-480426-0)
CESSNA PART NUMBER S1638-6 (Vendor Part Number 1-480424-0)
CESSNA PART NUMBER S1640-12 (Vendor Part Number 1-480278-0)
CESSNA PART NUMBER S1641-12 (Vendor Part Number 1-480275-0)

60181026

AMP Commercial Mate-N-Lock Series Connectors
Figure 207 (Sheet 2)

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

A4012

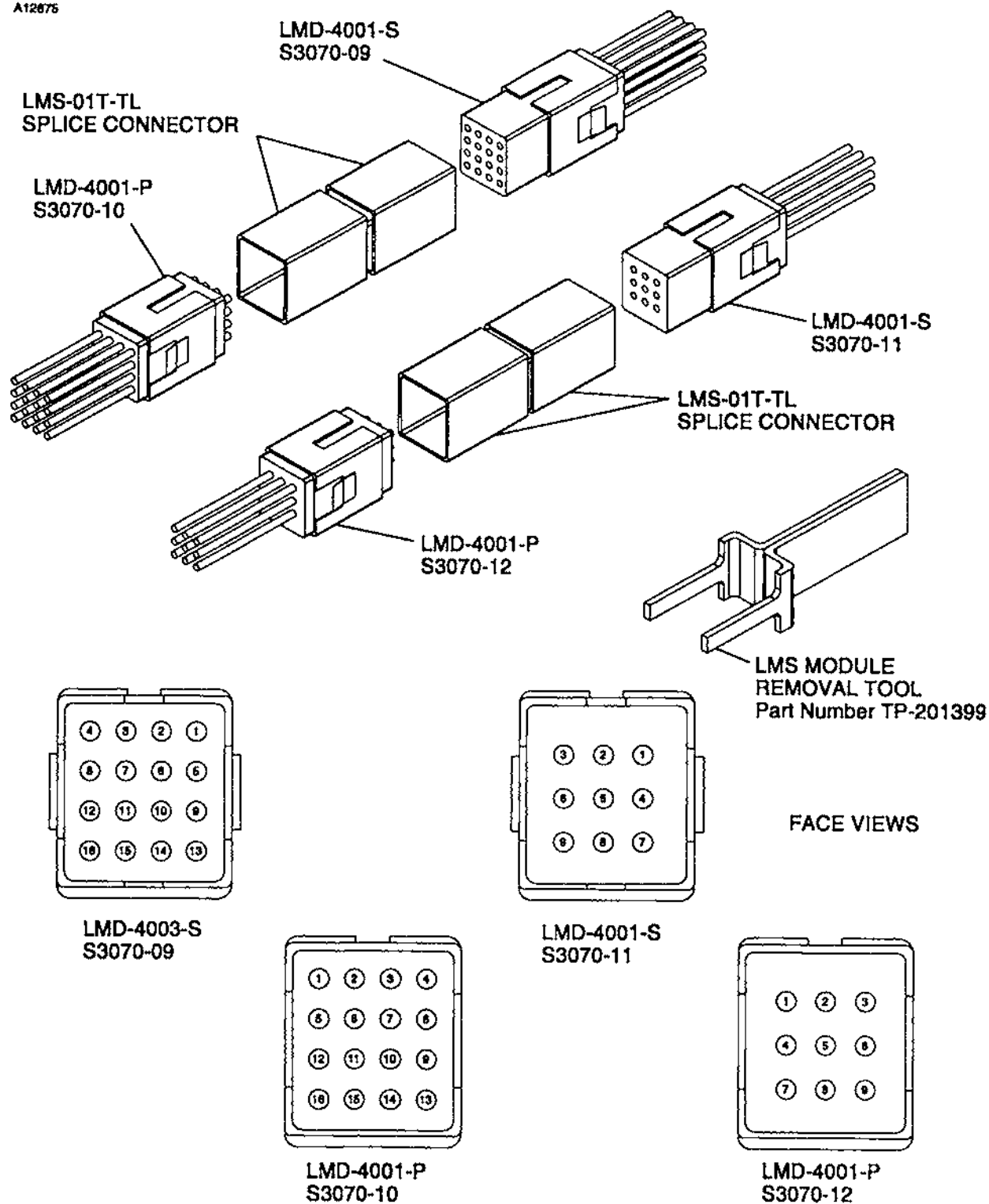


3-203736-9
 001876003-3 (2)

AMP M Series Connector Kit
 Figure 208 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

A12675

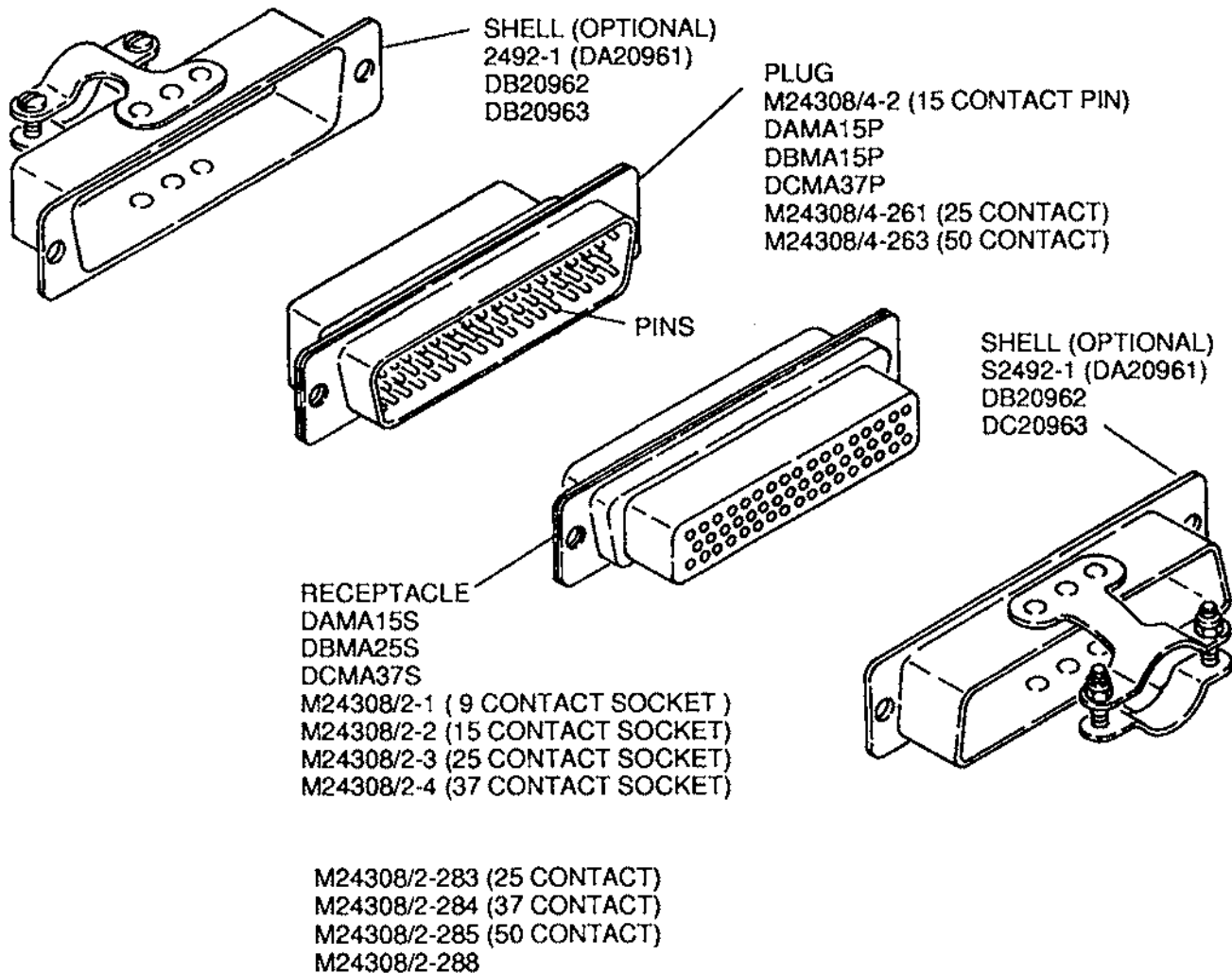


LMD-4001-S-S3070-11
 LMD-4001-P-S3070-12
 LMD-4003-S-S3070-09
 LMD-4003-P-S3070-10

LMD4000 Series Connectors
 Figure 209 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

A12565

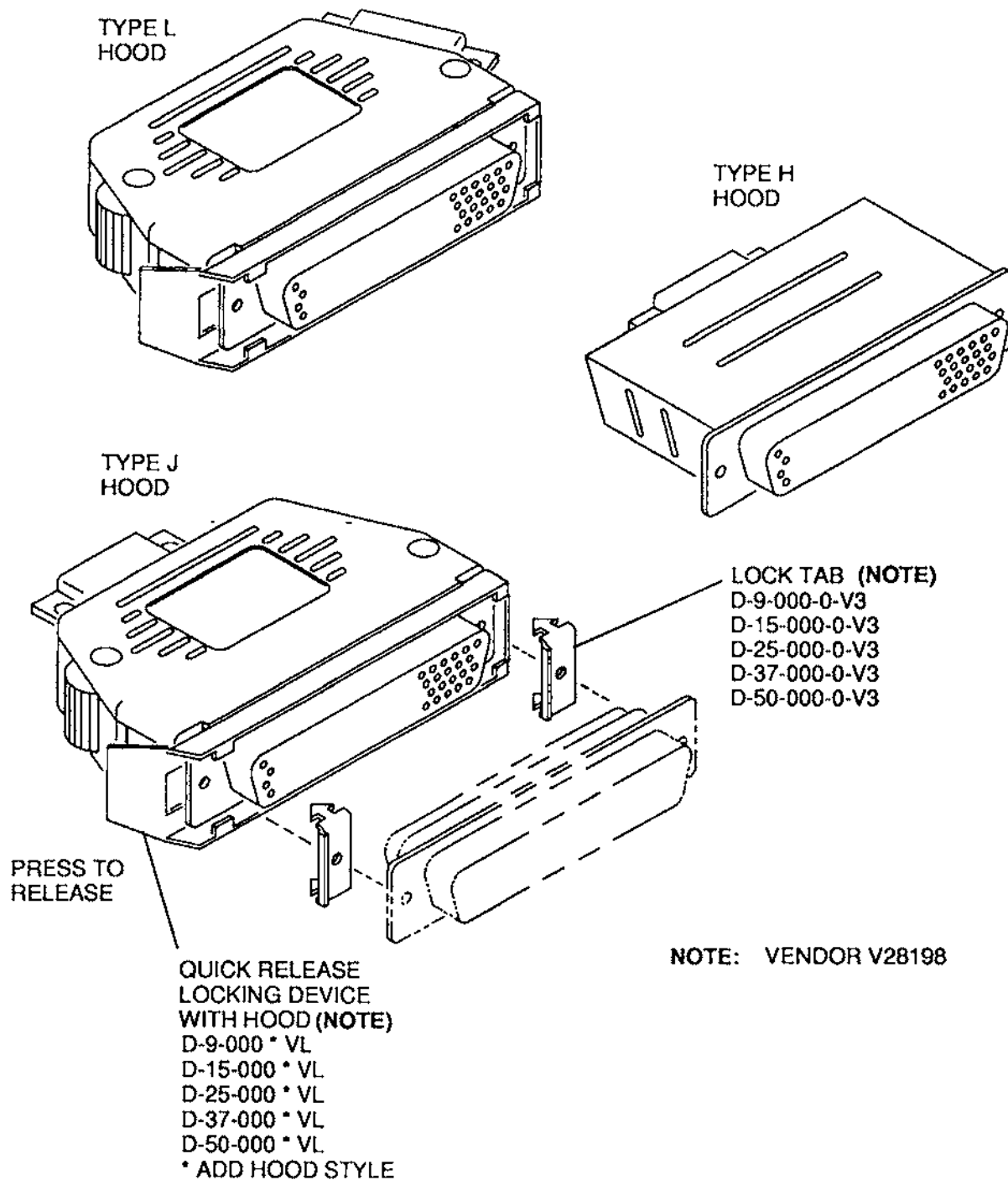


65181020

M24308 Series Connectors
 Figure 210 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

A25457



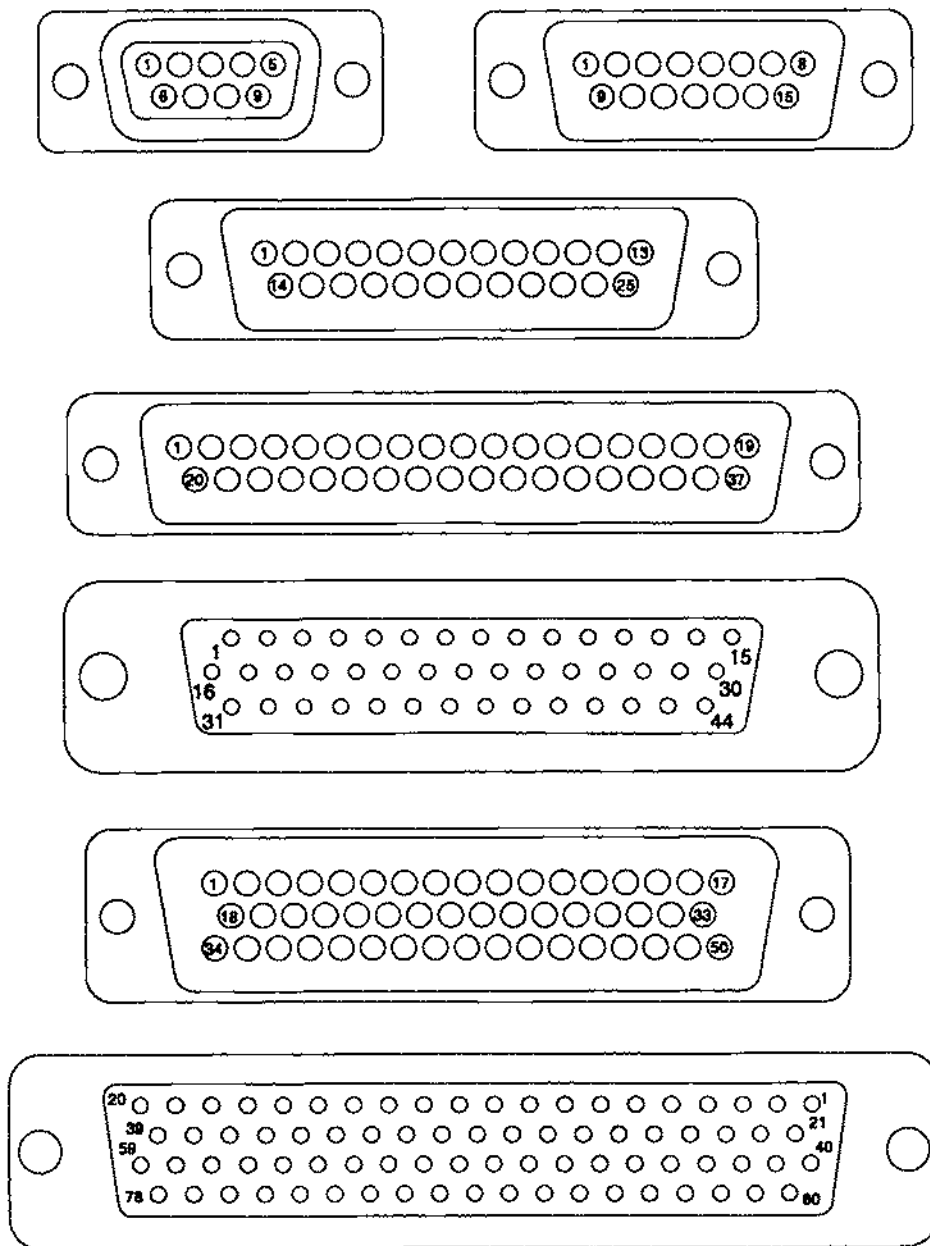
D50000K00
 D50000K00

M24308 Series Connectors
 Figure 210 (Sheet 2)

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

A26458

FACE VIEW PIN INSERT

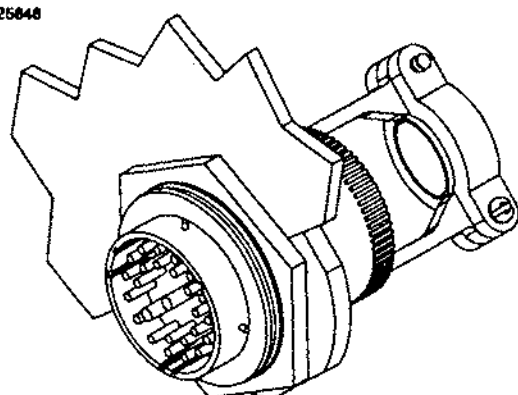


MS18273-1
 MS18274-1
 MS18275-1
 MS18276-1
 MS18277-1
 MS18278-1
 MS18279-1
 MS18280-1

M24308 Series Connectors
 Figure 210 (Sheet 3)

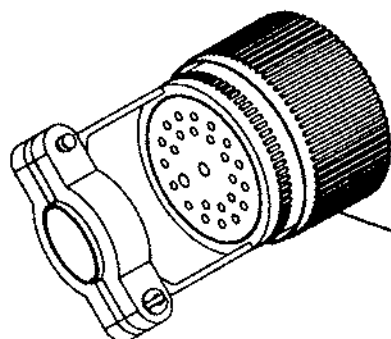
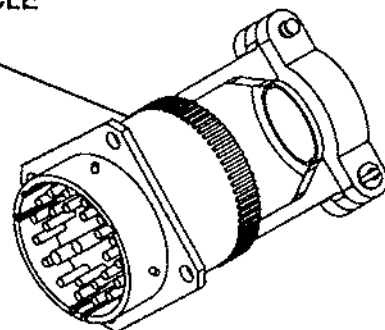
CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

A25648



MS27474

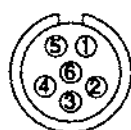
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 MS27472
 MS27497



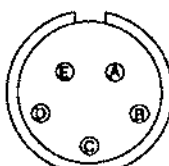
MS27484
 PLUG
 MS27473



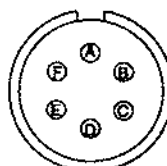
8-98



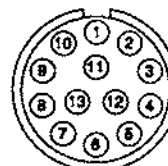
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 9-35



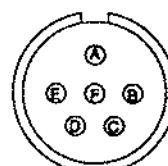
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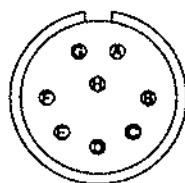
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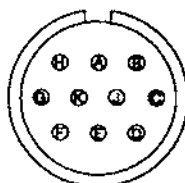
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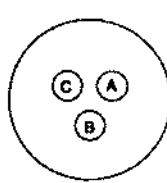
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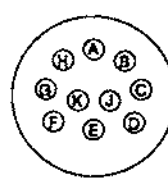
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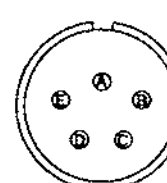
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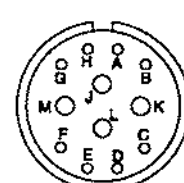
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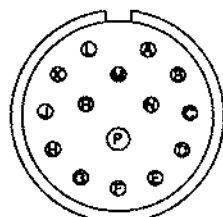
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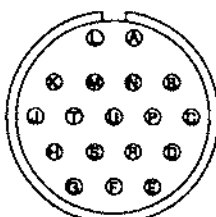
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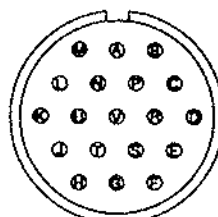
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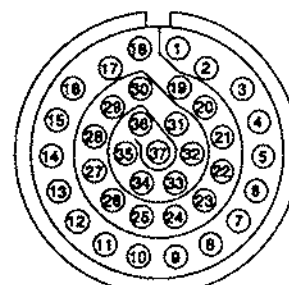
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14-18



14-19



14-35

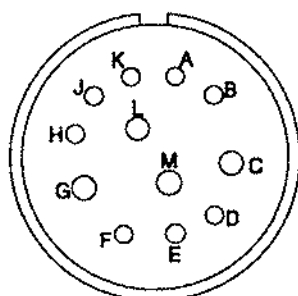
681071001
 MS27473-8-98
 MS27473-8-35
 MS27473-9-35
 MS27473-10-5
 MS27473-10-6
 MS27473-10-35
 MS27473-10-98
 MS27473-12-8
 MS27473-12-10
 MS27473-12-35
 MS27473-12-98
 MS27473-14-5
 MS27473-14-12
 MS27473-14-15
 MS27473-14-18
 MS27473-14-19
 MS27473-14-35

Mil-C-38999 Series 1 and Series 2 Connectors
 Figure 211 (Sheet 1)

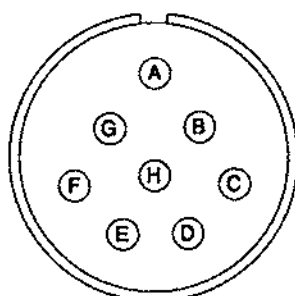
CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

A25648

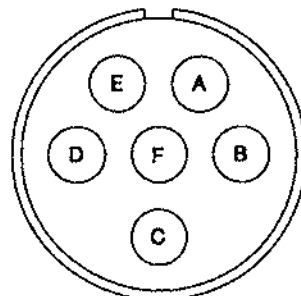
FACE VIEW PIN INSERT



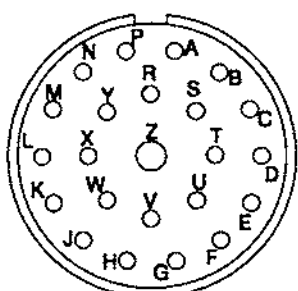
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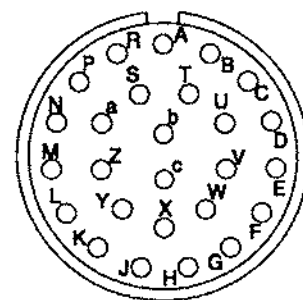
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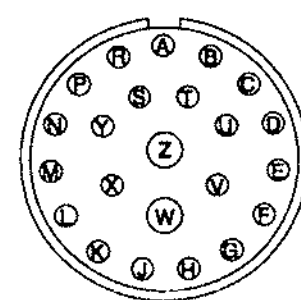
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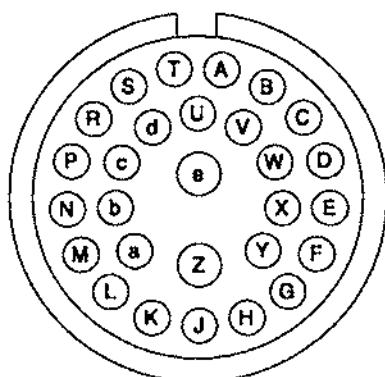
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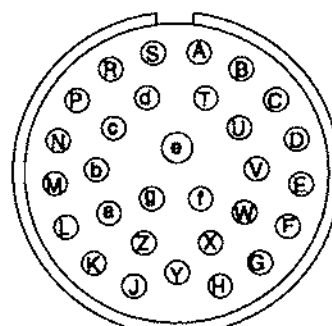
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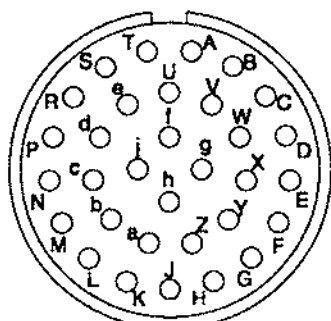
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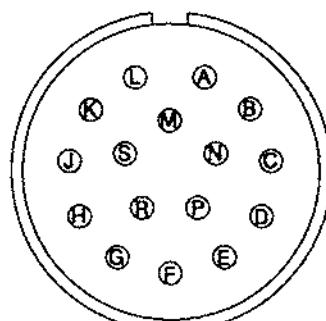
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18-30



18-32



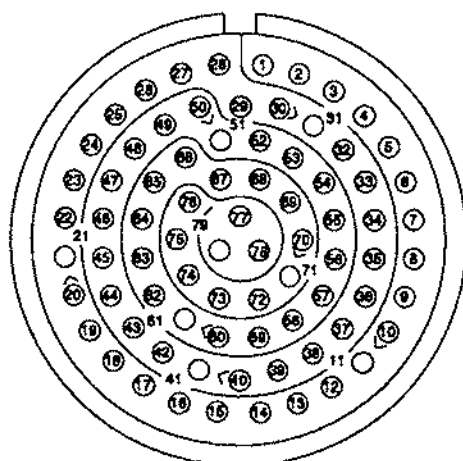
20-16

MIL-C-38999-14-97
 MIL-C-38999-16-8
 MIL-C-38999-16-6
 MIL-C-38999-16-23
 MIL-C-38999-16-26
 MIL-C-38999-16-99
 MIL-C-38999-18-28
 MIL-C-38999-18-30
 MIL-C-38999-18-32
 MIL-C-38999-20-16

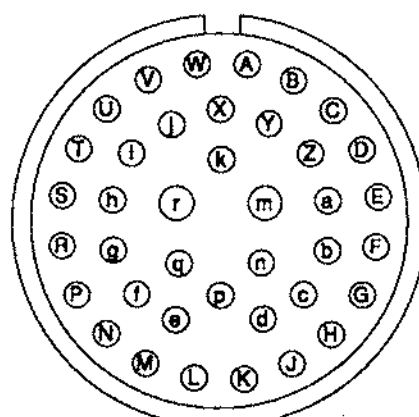
Mil-C-38999 Series 1 and Series 2 Connectors
 Figure 211 (Sheet 2)

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 WIRING DIAGRAM MANUAL

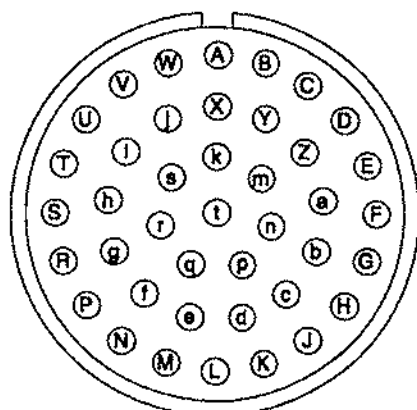
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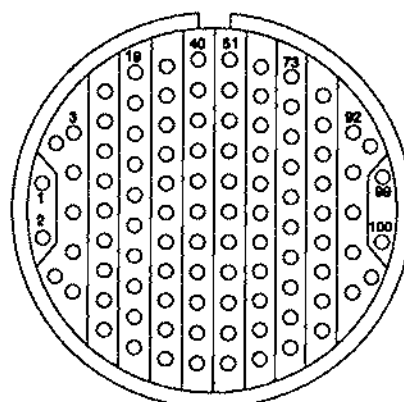
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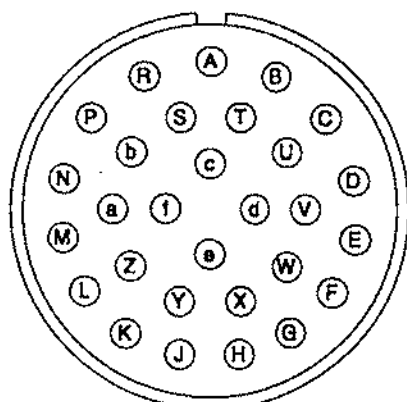
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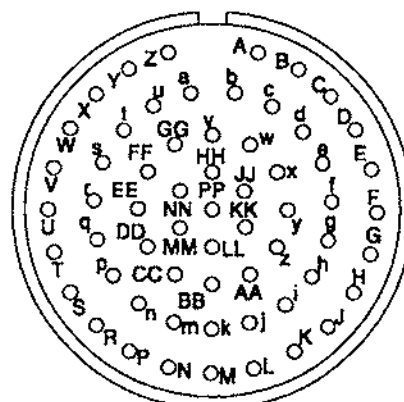
20-41



24-2



24-29



24-61

MIL-C-38999-20-35
 MIL-C-38999-20-39
 MIL-C-38999-20-41
 MIL-C-38999-24-2
 MIL-C-38999-24-29
 MIL-C-38999-24-61

MIL-C-38999 Series 1 and Series 2 Connectors
 Figure 211 (Sheet 3)

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COAX CABLE CONNECTORS - MAINTENANCE PRACTICES

1. General

- A. The following information is intended for replacement of coax cable connectors in general. Instructions given are typical for coax cable connectors.
- B. Coax cable connectors described herein are of two types: one utilizing a threaded-type braid clamp, the other a swaged-type braid clamp.

2. Installation/Assembly Coax Cable Connectors (Threaded Type)

- A. Assembly Procedures. Refer to Figure 201.
 - (1) Cut coax cable to length.
 - (2) Trim jacket approximately 5/16 inch from end of cable.
 - (3) Slip clamp nut, washer, gasket and braid clamp onto cable.
 - (4) Flare braid over braid clamp.
 - (5) Strip insulation from center conductor to depth of contact solder pot.
 - (6) Install and solder contact to center conductor.

NOTE: Nuts having captivated contacts, washer and insulator are assembled before soldering contacts.

- (7) Insert complete assembly into connector body so contact enters hold in insulator properly.
- (8) Start connector nut by hand and tighten to 40 inch pounds +10, -10 inch-pounds, torque.

3. Installation/Assembly Connectors with K-Grips (Swaged Type)

- A. Assembly Procedures. Refer to Figure 202.
 - (1) Disassemble nut, gasket and braid clamp from connector body. Remove K-Grip and sleeve from individual package.
 - (2) Slip K-Grip sleeve and connector nut onto cable.
 - (3) Remove outer jacket to dimension A. Refer to Table 201.

Table 201. K-Grip Assembly

Connector	Dimension A Inches	Dimension B Inches	Dimension C Inches	K-Grip	Tool
UG-913A/U	1.18	0.3	0.111	KS-89-05	683-51470-1
UG-88C/U	1.18	0.3	0.111	KS-89-05	683-51470-1

CAUTION: DO NOT NICK OR CUT THE BRAID.

- (4) Trim braid to dimension B with small scissors or fingernail clippers. Refer to Table 201.
- (5) Slide grooved slotted end of K-Grip barrel over dielectric and under braid until braid touches step of barrel.
- (6) Slide connector nut in place so that nut butts against collar of K-Grip barrel.

NOTE: Nut must be correctly positioned before crimping.

- (7) Hold K-Grip barrel in position and slide K-Grip sleeve until forward edge of sleeve is even with step of barrel and the braid is visible between sleeve and step.
- (8) Crimp K-Grip sleeve as shown using tool specified in Table 201. If an alternate tool is used, crimp sleeve twice to utilize full length of sleeve, yet leave a flare at each end.
- (9) Trim dielectric to dimension C in Table 201.

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CAUTION: DO NOT NICK OR CUT CENTER CONDUCTOR.

- (10) Trim center conductor to depth of contact solder pot so contact is flush with dielectric.
- (11) Tin center conductor lightly.
- (12) Install and solder contact on center conductor.
- (13) Install gasket and braid clamp.
- (14) Insert complete assembly into connector body so contact enters hole in insulator and braid clamp seats properly. Push assembly into body as far as possible. Start connector nut by hand and tighten moderately with wrench.
- (15) Hold connector body and tighten to torque value of 40 inch-pounds +10, -10 inch-pounds.

4. Assembly MIL-C-25516 (M25516/20-XX-XX) Connectors.

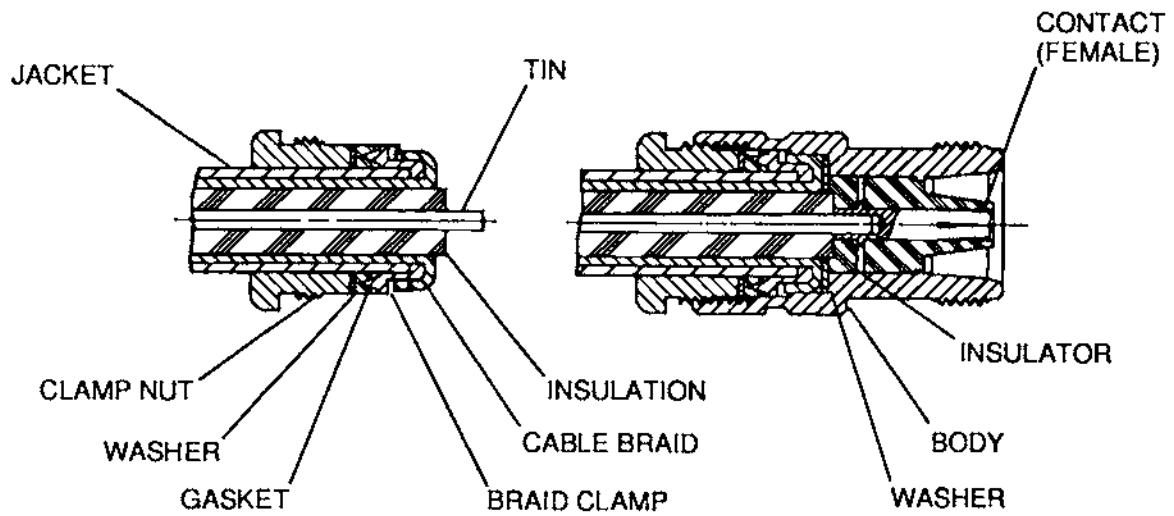
- A. Assembly Procedures. Refer to Figure 203.
- B. Instructions also cover Ted Manufacturing Corporation Series 59 and 69 connectors for shielded cables.

5. Assembly 2755-2-9 King K-Grip Connectors

- A. Assembly Procedures. Refer to Figure 204.

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A4038

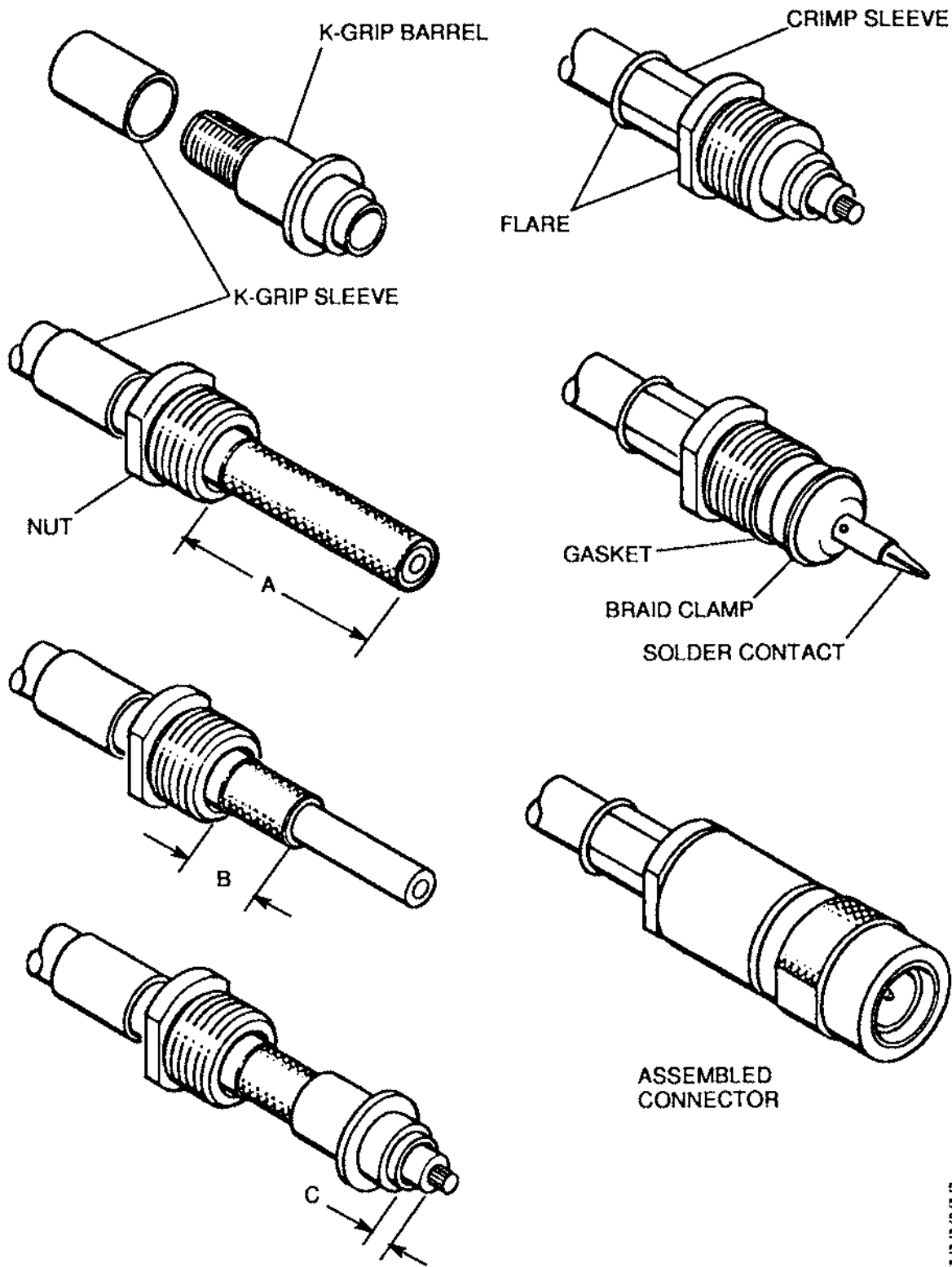


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Coax Cable Termination Installation
Figure 201 (Sheet 1)

CESSNA AIRCRAFT COMPANY
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A4040

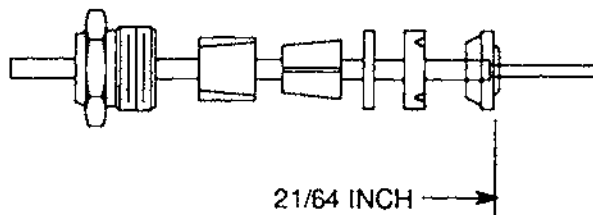
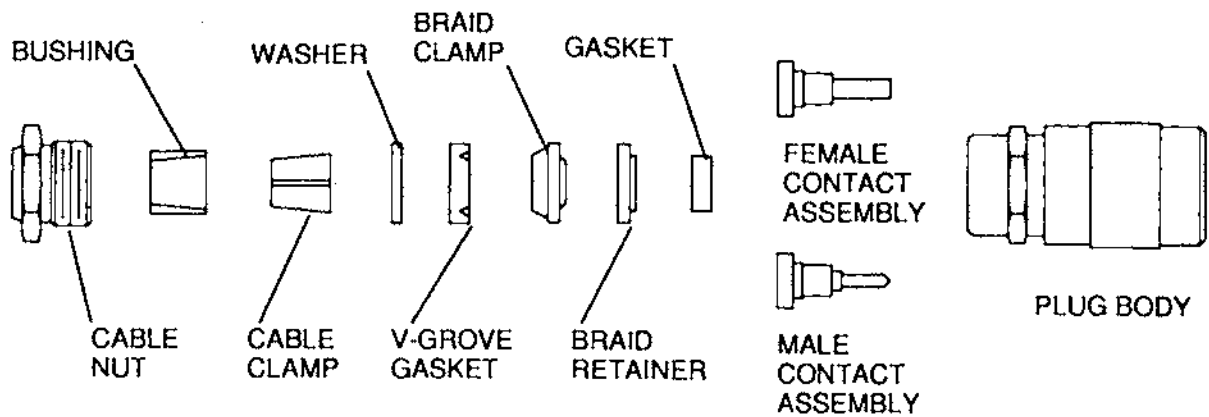


Connector With K-Grip (Typical)
 Figure 202 (Sheet 1)

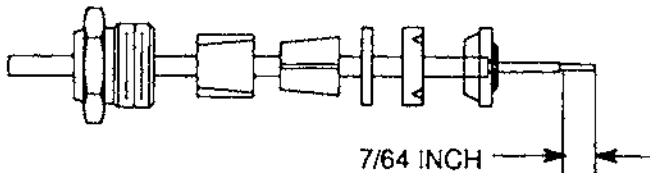
55982013
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CESSNA AIRCRAFT COMPANY
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 WIRING DIAGRAM MANUAL

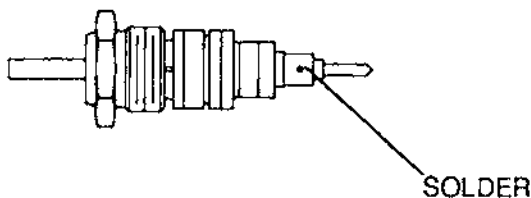
A4042



Cut cable off square and remove outer jacket to dimension shown. Slip cable nut, bushing, cable clamp, washer and gasket (V-groove as shown for 69 series; flat gasket on 59 series) over outer jacket of cable. Position braid clamp with inside shoulder against shoulder of outer jacket.



Comb out braid and fold back over braid clamp and trim off excess braid as shown. Trim dielectric from center conductor to dimension shown.



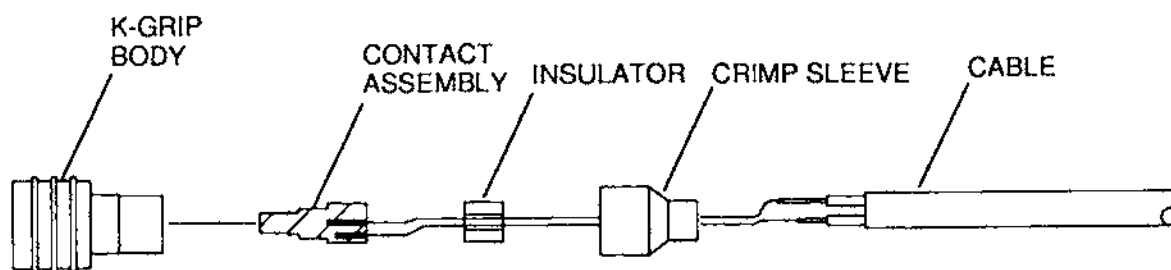
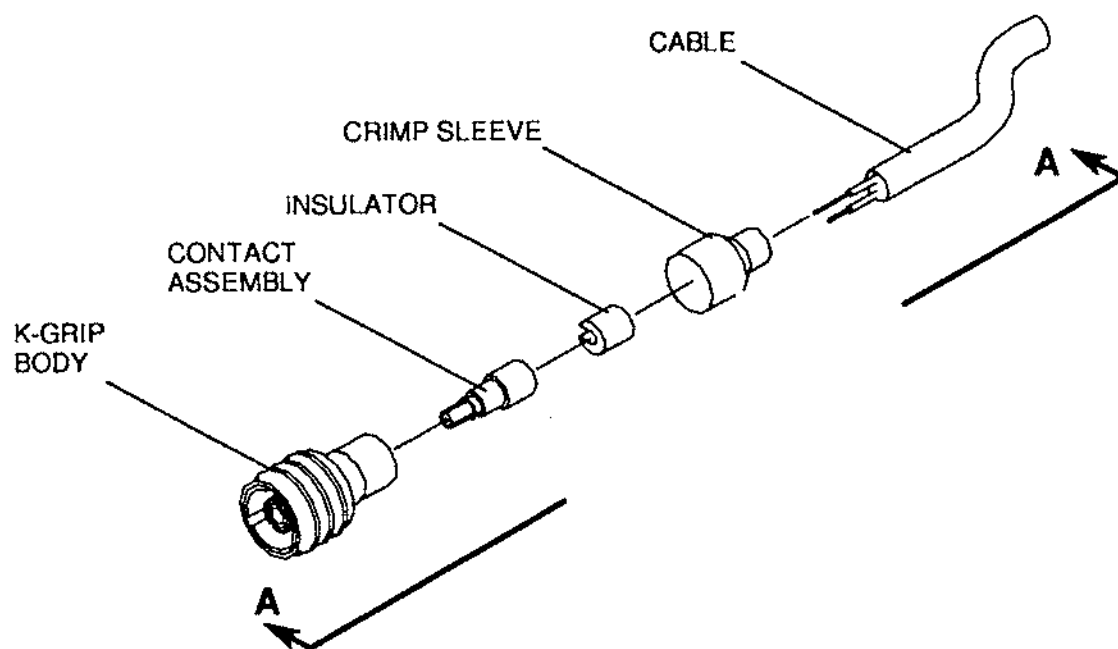
Position braid retainer and small gasket as shown. Push both tightly against the braid clamp and solder contact assembly to center conductor.

6018T1030
 6018T1030
 6018T1030
 6018T1030

Assembly Mil-C-25516 (M25516/20-XX-XX) Connectors
 Figure 203 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

A12716



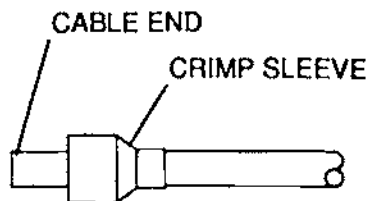
VIEW A-A

2755T-2-9
 A-A2755T-2-9

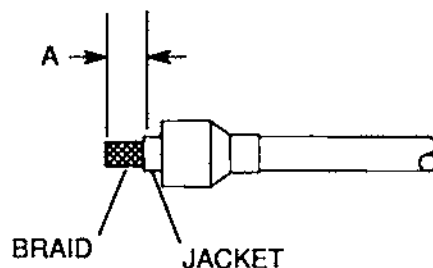
2755-2-9 King K-Grip Connectors
 Figure 204 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

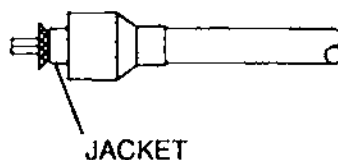
A12717



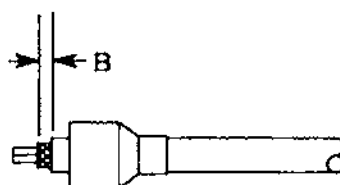
CUT CABLE END SQUARE AND SLIDE CRIMP SLEEVE OVER CABLE END AS SHOWN.



REMOVE JACKET TO "A" DIMENSION



FLARE OR BULGE BACK BRAID AND TRIM WITH SCISSORS AT EDGE OF JACKET



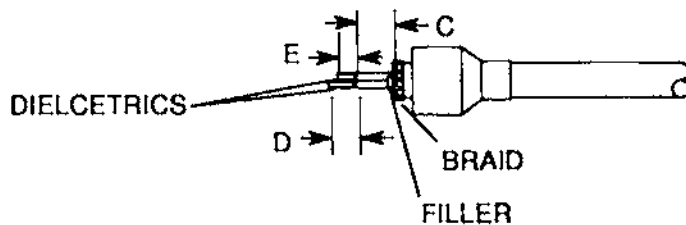
REMOVE JACKET TO "B" DIMENSION, TAKING CARE NOT TO NICK BRAID.

2755T-2-9
2755T-2-9
2755T-2-9
2755T-2-9

2755-2-9 King K-Grip Connectors
Figure 204 (Sheet 2)

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

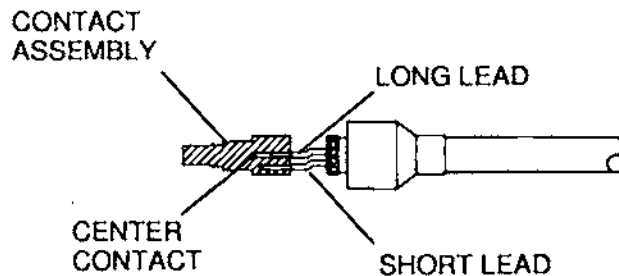
A12718



FOLD BACK BRAID AND TRIM BOTH FILLERS FLUSH WITH FOLD. THEN CUT THRU BOTH DIELECTRICS AT "D" DIMENSION. DO NOT NICK CONDUCTORS AND DO NOT REMOVE DIELECTRICS.

NEXT, TRIM ONE OF THE LEADS TO THE "E" DIMENSION, THE REMAINING LONG LEAD WILL BE INSERTED INTO THE CENTER CONTACT IN THE NEXT STEP.

DASH NO.	A	B	C	D	E
-1	.200	.391	.279	.312	.172
-2	-	-	-	.312	.172



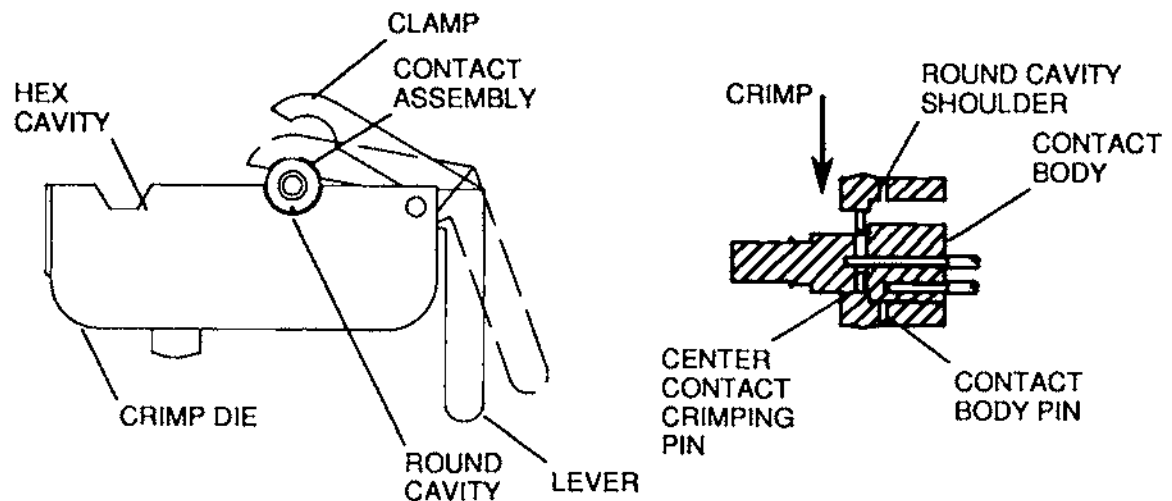
REMOVE THE DIELECTRICS AND INSERT CENTER CONDUCTORS (LONG LEAD IN CENTER, SHORT LEAD IN CONTACT BODY) INTO CONTACT ASSEMBLY. A GENTLE ROCKING MOTION OF THE CABLE WILL FACILITATE ENTRY OF THE LEADS.

2755T-2-9
 2756T-2-9

2755-2-9 King K-Grip Connectors
 Figure 204 (Sheet 3)

CESSNA AIRCRAFT COMPANY
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WIRING DIAGRAM MANUAL

A12720



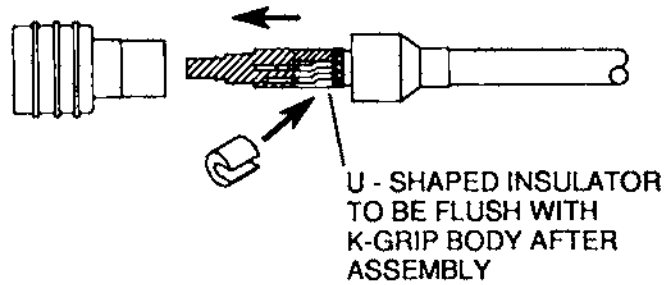
PLACE APPROPRIATE CRIMP DIE INTO CRIMPING TOOL. PUSH DOWN ON LEVER TO OPEN CLAMP. INSERT CONTACT ASSEMBLY, WITH CABLE CONDUCTORS IN PLACE, AGAINST THE ROUND DIE CAVITY SHOULDER. LINE UP CENTER CONTACT CRIMPING PINS WITH CLEARANCE HOLES (MAKE SURE THAT THE CONDUCTOR INSERTED IN THE CONTACT BODY IS IN LINE WITH THE CONTACT BODY PIN.) RELEASE THE CLAMP LEVER, LOCKING CONTACT ASSEMBLY IN PLACE AND CRIMP CAREFULLY.

2755T-2-9
2755T-2-9

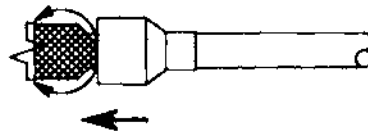
2755-2-9 King K-Grip Connectors
Figure 204 (Sheet 4)

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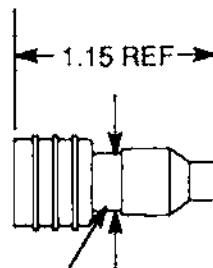
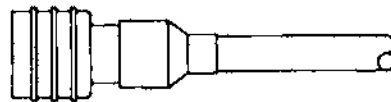
A12721



SLIDE U-SHAPED INSULATOR INTO GAP
 BETWEEN CONTACT ASSEMBLY AND
 BRAID. USING INSULATOR SNAP IN
 CONTACT ASSEMBLY INTO K-GRIP BODY.



FOLD BRAID BACK OVER K-GRIP BODY,
 SLIDE CRIMP SLEEVE OVER BRAID AND
 BODY. CRIMP WITH HEX CAVITY OF DIE.



STAMP: KINGS 2755-2-9 .33 DIAMETER

2755T-2-9
 2755T-2-9
 2755T-2-9
 2755T-2-9

2755-2-9 King K-Grip Connectors
 Figure 204 (Sheet 5)

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SPLICES AND TERMINALS - MAINTENANCE PRACTICES

1. General

- A. This section contains information for replacement of splices and terminals.
- B. The splices covered are of two types: one a permanent crimp-type splice that must be destroyed to separate the wires, the other a quick-disconnect that can be connected and disconnected repeatedly.
- C. The terminals covered are crimp-type in straight and flag type.
- D. All wire sizes referenced are American Wire Gauge (AWG).

2. Splices - Quick Disconnect Non-environmental

- A. Refer to Table 201 for splice part numbers.
- B. For installation, use WT110M crimp tool available through Thomas and Betts

Table 201. Quick Disconnect Non-environmental Splices

WIRE SIZE	PART NUMBER
22 Thru 18	S341-2
16 Thru 14	S341-1

3. Splices - Permanent Non-environmental

- A. Permanent crimp non-environmental splices may be used on various wire sizes or combinations of wires. Refer to table 203 for splice wire size information.
- B. The crimp tools listed in Table 202 or their equivalent are required to install these splices. All crimp tools listed are available through AMP Inc. V00779.

NOTE: The splice crimping tool has an insulation crimping adjustment set to 1, 2, 3 or 4 depending on the thickness of insulation. The splice should have a firm crimp on the insulation without damage.

Table 202. Tools for Permanent Crimp Non-environmental Splices

AWG	SPLICE	CRIMPING TOOL
22-16	320559	59250
14-16	320562	59250
10-12	320570	59239-4
22-16	S1370-1	59250
14-16	S1370-2	59250
10-12	S1370-3	59239-4

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Table 203. Permanent Non-environmental Splices

S1370-1 or 320559 * RED WIRE SIZE 22 THRU 16		S1370-2 or 320562 * BLUE WIRE SIZE 16 AND 14		S1370-3 or 320570 * YELLOW WIRE SIZE 12 AND 10	
NUMBER OF WIRES	WIRE SIZE	NUMBER OF WIRES	WIRE SIZE	NUMBER OF WIRES	WIRE SIZE
1	22	1	16	1	14
1	20	1	14	1	12
2	22	2	20	1	10
2	20	1	20 and 18	2	14
3	22	2	18	1	14 and 12
		2	16	2	12
		3	20		

* AMP Inc. V00779

4. Splices - High Temperature

- A. Refer to Table 204 for splice part numbers and crimp tool information.

Table 204. High Temperature Splices

WIRE SIZE	PART NUMBER *	CRIMP TOOL
22 Thru 20	330377-1	69710-1 Handle 69327 Crimp Head
18 Thru 16	330378-1	69710-1 Handle 69328 Crimp Head

* AMP Inc. V00779

5. Splices - Quick Disconnect Environmental

- A. Table 205 contains contact information and installation tools for use with quick disconnect environmental resistant splices.

Table 205. Quick Disconnect Environmental Resistant Splices

TSE12-01 (2 wire disconnect splice)

Contact (wire sizes 12 and 14)	1841-1-5612	Deutsch Co. V11139
Crimping Tool	MS3191	Commercially Available
Insertion/Removal Tool	M15570-12	Deutsch Co. V11139

TSE16-01 (2 wire disconnect splice)

Contact (wire sizes 16, 18, 20)	1841-1-5616	Deutsch Co. V11139
Crimping Tool	MS3191	Commercially Available
Insertion/Removal Tool	M15570-16	Deutsch Co. V11139

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Table 205. Quick Disconnect Environmental Resistant Splices (continued)

M81714/65-20-1 replaces TSE20-01 (2 wire disconnect splice)

Contact (wire sizes 20, 22, 24)	1841-1-5620	Deutsch Co. V11139
Crimping Tool	MS3191	Commercially Available
Insertion/Removal Tool	M15570-20	Deutsch Co. V11139

TSE22-01 (2 wire disconnect splice)

Contact (wire sizes 22 and 24)	100060-56	Deutsch Co. V11139
Crimping Tool	MS3191	Commercially Available
Insertion/Removal Tool	M15570-22-1	Deutsch Co. V11139

CTL-12 (2 wire disconnect splice) and CTM-12 (4 Wire disconnect splice)

Contact (wire sizes 12 and 14)	CTS-S12/12	Deutsch Co. V11139
	AFLC-8027520-2-1	Commercially Available
Crimping Tool	M22520/1-01	Commercially Available
Positioner	TP405	Commercially Available
Insertion/Removal Tool	M15570-12	Commercially Available
	81515-12	
Sealing Plug for unused holes	M81511/39-12	Commercially Available

DME-12 and DME12B

Contact (wire size 12)	M39029/22-605	DME Electronics
Crimping Tool	M22520/7-01	Commercially Available
Positioner	M22520/7-11	Commercially Available
Insertion/Removal Tool	M81969/14-04	Commercially Available

DME-16 and DME16B

Contact (wire size 16)	M39029/22-193	DME Electronics
Crimping Tool	M22520/7-01	Commercially Available
Positioner	M22520/7-11	Commercially Available
Insertion/Removal	M81969/14-03	Commercially Available

M81714/65-20-1 replaces DME-20 and DME20B

Contact 20 AWG	M39029/22-192	DME Electronics
Crimping Tool	M22520/7-01	Commercially Available
Positioner	M22520/7-11	Commercially Available
Insertion/Removal Tool 20 AWG	M81969/14-11	Commercially Available

DME-22 and DME22B

Contact (wire sizes 22 and 24)	M39029/22-191	DME Electronics
Crimping Tool	M22520/7-01	Commercially Available
Positioner	M22520/7-11	Commercially Available
Insertion/Removal Tool	M81969/14-01	Commercially Available

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Table 205. Quick Disconnect Environmental Resistant Splices (continued)

CTL-16 (2 wire disconnect splice) and CTM-16 (4 Wire disconnect splice)

Contact (wire sizes 16 and 20)	CTS-S16/16	Deutsch Co. V11139
	M39029/22-193	Commercially Available
Crimping Tool	M22520/7-01	Commercially Available
Positioner	M22520/7-13	Commercially Available
Insertion/Removal Tool	M83723/31-16	Commercially Available
	M15570-16	Deutsch Co. V11139
Sealing Plug for unused holes	M81511/39-16	Commercially Available

CTL-20 (2 wire disconnect splice) and CTM-20 (4 Wire disconnect splice)

Contact (wire sizes 20 and 24)	CTS-S20/20	Deutsch Co. V11139
	M39029/22-192	Commercially Available
Crimping Tool	M22520/7-01	Commercially Available
Positioner	M22520/7-12	Commercially Available
Insertion/Removal Tool	M83723/31-20	Commercially Available
	M15570-20	Deutsch Co. V11139
Sealing Plug for unused holes	M81511/39-20	Commercially Available

CTL-22 (2 wire disconnect splice) and CTM-22 (4 Wire disconnect splice)

Contact (wire sizes 22 and 24)	CTS-S22/22	Deutsch Co. V11139
	M39029/22-191	Commercially Available
Crimping Tool	M22520/7-01	Commercially Available
Positioner	M22520/7-11	Commercially Available
Insertion/Removal Tool	M15570-22-1	Commercially Available
	81515-23	Deutsch Co. V11139
Sealing Plug for unused holes	8027520-2-2	Deutsch Co. V11139

M81714/12-20B2 Double Splice

Contact (wire sizes 20 and 24)	M39029/1-101	Commercially Available
Crimping Tool	M22520/1-01	Commercially Available
Positioner	M22520/1-02	Commercially Available
Insertion/Removal Tool	M81969/14-02	Commercially Available

6. Splices - Permanent Crimp, Environmental Resistant Splices

- A. Permanent crimp environmental resistant splices may be used on various wire sizes or combinations of wires. Refer to Table 207 for splice wire size information.
- B. Tools used with permanent crimp environmental resistant splices.

NOTE: The following tools (or equivalent) are required.

- (1) Heat gun part number CV5700 and reflector part number MG7 are available through Raychem Corp. V06090.

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- (2) For crimp tool information refer to Table 206.

Table 206. Permanent Crimp Environmental Resistant Splice Installation Tools

M81824/1-1, M81824/1-2, D436-36, D436-37, D436-52, D436-110

CRIMP TOOL	DIE	MANUFACTURER
M22520/5-01	M22520/5-103	Commercially Available
M22520/10-01	M22520/10-104	Commercially Available
AD1377	none	Raychem Corp. V06090

M81824/1-3, D436-38, D436-53

CRIMP TOOL	DIE	MANUFACTURER
M22520/5-01	M22520/5-102	Commercially Available
M22520/10-01	M22520/10-103	Commercially Available
AD1377	none	Raychem Corp. V06090

C. Installation of permanent crimp environmental resistant splices.

(1) MIL-S-81824 Type Splices.

- (a) Slide the insulating/sealing sleeve onto the wire(s) that will be located at one end of the sleeve.
- (b) Strip 0.312 to 0.343 of insulation from the wires.
- (c) Insert the wires into crimp barrel and crimp with crimp tool.
- (d) Slide the insulating/sealing sleeve to center the crimp barrel between the sealing rings.
- (e) Using a heat gun, shrink the insulating/sealing sleeve over the crimp barrel and wires. Continue to heat the ends of the sealing sleeve until the meltable inserts flow from the ends of the sleeve.

(2) 3-Wire Guide Type Splices Sealing Insert.

- (a) Slide the insulating/sealing sleeve onto the wires that will be located on the 3-wire guide end of splice, maximum of 2 wires in each hole in wire guide.
- (b) Repeat Steps 6.C.1 (b) through (e) for MIL-S-81824 type splices.

Table 207. Permanent Crimp Environmental Resistant Splices

WIRE END 1		SPLICE • PART NUMBER	APPROVED TO MIL. SPEC. PART NUMBER	WIRE END 2	
NUMBER OF WIRES	WIRE SIZE	SINGLE WIRE SPLICING		NUMBER OF WIRES	WIRE SIZE
1	24	D436-36 RED	M81824/1-1	1	24
1	22	D436-36 RED	M81824/1-1	1	22
1	20	D436-36 RED	M81824/1-1	1	20
1	18	D436-37 BLUE	M81824/1-2	1	18

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Table 207. Permanent Crimp Environmental Resistant Splices (continued)

WIRE END 1		SPLICE * PART NUMBER	APPROVED TO MIL. SPEC. PART NUMBER	WIRE END 2	
1	16	D436-37 BLUE	M81824/1-2	1	16
1	14	D436-38 YELLOW	M81824/1-3	1	14
1	12	D436-38 YELLOW	M81824/1-3	1	12
NUMBER OF WIRES	WIRE SIZE	MULTIPLE WIRE SPlicing		NUMBER OF WIRES	WIRE SIZE
2	24	D436-36 RED	M81824/1-1	1	22
2	24	D436-36 RED	M81824/1-1	1	24
2	22	D436-36 RED	M81824/1-1	1	22
2	22	D436-36 RED	M81824/1-1	1	20
2	22	D436-36 RED	M81824/1-1	2	22
2	20	D436-37 BLUE	M81824/1-2	1	20
2	20	D436-37 BLUE	M81824/1-2	1	18
2	20	D436-37 BLUE	M81824/1-2	2	20
1	18 and 20	D436-38 YELLOW	M81824/1-3	1	18 and 20
2	18	D436-38 YELLOW	M81824/1-3	1	16
2	18	D436-38 YELLOW	M81824/1-3	2	20
2	18	D436-38 YELLOW	M81824/1-3	2	18
2	18	D436-38 YELLOW	M81824/1-3	1	18
2	16	D436-38 YELLOW	M81824/1-3	2	18
2	16	D436-38 YELLOW	M81824/1-3	2	16
2	16	D436-38 YELLOW	M81824/1-3	1	16

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Table 207. Permanent Crimp Environmental Resistant Splices (continued)

WIRE END 1		SPLICE * PART NUMBER	APPROVED TO MIL. SPEC. PART NUMBER	WIRE END 2	
2	16	D436-38 YELLOW	M81824/1-3	1	14
3	24	D436-0110 RED		1	24
3	24	D436-0110 RED		2	24
3	24	D436-0110 RED		2	22
3	22	D436-52 BLUE		1	22 and 20
3	22	D436-52 BLUE		2	20
3	22	D436-52 BLUE		2	22
3	20	D436-53 YELLOW		2	20
3	20	D436-53 YELLOW		2	18
2	20 and 18	D436-53 YELLOW		2	20
3	18	D436-53 YELLOW		1	18
3	18	D436-53 YELLOW		2	18

* Raychem Corp. V06090

- D. Combinations of wire splicing not shown in Table 207, may be determined by the following procedure:
 (1) Calculate the Circular Mil Area (CMA) for each end of the splice. Refer to Table 208.

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EXAMPLE: Splicing three AWG 22 wires to one AWG 16 wire:

Wire End 1	Wire End 2
CMA = 3 X 754 = 2262	CMA = 2426

Table 208. CMA (Circular Mill Area) Of Common Conductors

WIRE SIZE (AWG)	24	22	20	18	16	14	12
STRANDS	19	19	19	19	19	19	37
CMA	475	754	1216	1900	2426	3831	5874

- (2) Determine, from Table 209, which splice part numbers will accommodate the CMA and the number of wires of End 1. Note that a maximum of two wires can be sealed in any one hole in a sealing insert. (In the chart, refer to the MAXIMUM NUMBERS OF WIRES, END 1 and END 2 columns, and CMA RANGE OF BARREL, MINIMUM and MAXIMUM columns)
 Example: Three AWG 22 wires
 2262 CMA
 Possible splices include Part Numbers
 D436-52 and D436-53
- (3) Determine which part numbers will accommodate the CMA and the number of wires of End 2.
 Example: One AWG 16 wire
 2426 CMA
 Possible splices include Part Numbers
 D436-52 and D436-53
- (4) Select the part number for the smallest splice that will accommodate both ends.
 Example: D436-52 for three AWG 22 to one AWG 16.

Table 209. CMA (Circular Mill Area) Limits of Splices

SPlice		CMA RANGE OF BARREL		MAXIMUM NUMBER OF WIRES	
PART NUMBER	COLOR	MINIMUM	MAXIMUM	END 1	END 2
D436-36	RED	304	1510	2	2
D436-37	BLUE	779	2680	2	2
D436-38	YELLOW	1900	6755	2	2
D436-0110	RED	304	1510	6 *	2
D436-52	BLUE	779	2680	6 *	2
D436-53	YELLOW	1900	6755	6 *	2

* Maximum number of 2 wires per hole in a 3 wire guide sealing insert.

7. Environment Resistant Splices for Shielded Cable

- A. Refer to Table 210 for splice information.

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B. Tools used with permanent crimp environmental resistant splices.

NOTE: The following tools are (or equivalent) are required.

- (1) Heat gun part number CV5000 and reflector part number TG135 are available through Raychem Corp.. V06090
- (2) Crimp tool part number AD1377 is available through Raychem Corp.. V06090

C. Installation of environment resistant splices for shielded cable

NOTE: The braided solder sleeve, splice sleeve and crimp barrel referred to in the following instructions are all part of the D150-01XX kit. Refer to Table 210.

- (1) Cut shielded cable at area to be spliced.
- (2) Slide braided solder sleeve over one end of the cable.
- (3) Remove cable jacket and shield.
 - (a) For single conductor shielded cable, remove cable jacket and shield 0.700 inches from both ends of the cable.
 - (b) For multiconductor shielded cable, remove cable jacket and shield 1.825 inches from both ends of the cable.
- (4) Remove cable jacket so as to expose 0.375 inches of shield on both ends of the cable.
- (5) Splice wires. Accomplish the following instructions for each wire in the cable.
 - (a) For multiconductor shielded cable, cut each wire 0.675 inches from the end of the shield at one end of the cable. Stagger wire cuts as follows;

For 2 conductor cable, cut one wire at one end of the cable and the second wire at the opposite end of the cable.

For 3 conductor cable, cut two wires at one end of the cable and the third wire at the opposite end of the cable.
 - (b) Strip insulation 0.275 inches from both ends of the wire.
 - (c) Slide the splice sleeve onto one end of the wire.
 - (d) Insert both ends of the wire into the crimp barrel and crimp.
 - (e) Center the splice sleeve over the crimp barrel and apply heat until the sealing rings melt and flow along the wire.
- (6) Install braided solder sleeve.
 - (a) Slide the braided solder sleeve over the wire splice(s).
 - (b) Starting at the center of the braided solder sleeve and working toward the ends, apply heat until the solder melts and the insulating sleeve shrinks.
 - (c) Apply sufficient heat to the area of the cable shield to ensure a good solder joint between the braided solder sleeve and the cable shield.
 - (d) Apply heat to the ends of the braided solder sleeve until rings melt and flow along the cable jacket.
 - (e) After installing the braided solder sleeve, the braided solder sleeve must not be cut or split. Shield strands must not extend through the braided solder sleeve.

Table 210. Environmental Resistant Shielded Cable Splices

NUMBER OF CONDUCTORS	WIRE SIZE (AWG)	PART NUMBER *
1 (Shielded Single)	20 - 26	D150-0168
	16 - 20	D150-0169
	12 - 16	D150-0170

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Table 210. Environmental Resistant Shielded Cable Splices (continued)

NUMBER OF CONDUCTORS	WIRE SIZE (AWG)	PART NUMBER *
2 (Shielded Pair)	20 - 26	D150-0174
	16 - 18	D150-0175
	14	D150-0176
	12	D150-0177
3 (Shielded Triple)	24 - 26	D150-0178
	20 - 22	D150-0179
	16 - 18	D150-0180
	12 - 14	D150-0181

* Raychem Corp. V06090

8. Terminals - General

- A. The crimped impression shall be centered on the portion of the barrel intended to grip the conductor.
- B. The wire shall be inserted into the barrel the full length of the barrel.
- C. The wire shall not protrude beyond the end of the barrel more than 0.05 inch and shall not interfere with installation of washers, nuts, or screws.
- D. The following terminals are used on the engine starter/generator: For 16 gage wires used on starter/generator terminals A and D, use MS20659-104. For 16 and 20 gage wires used on starter/generator terminal E, use AMP 50848 (both wires are inserted into one terminal).

9. Standard Insulated Terminals

- A. On standard insulated terminals, the insulation shall be fully within the insulation grip.
- B. Refer to Table 211 for standard insulated terminal information.

Table 211. Standard Insulated Terminals

WIRE SIZE (AWG)	COLOR	STUD SIZE	PART NUMBER
22-18	RED	4	MS25036-148
22-18	RED	6	MS25036-102
22-18	RED	8	MS25036-149
22-18	RED	10	MS25036-103
22-18	RED	1/4	MS25036-150
22-18	RED	5/16	MS25036-104
22-18	RED	3/8	MS25036-105
16-14	BLUE	4	MS25036-152
16-14	BLUE	6	MS25036-106
16-14	BLUE	6	MS25036-107
16-14	BLUE	8	MS25036-153

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Table 211. Standard Insulated Terminals (continued)

WIRE SIZE (AWG)	COLOR	STUD SIZE	PART NUMBER
16-14	BLUE	10	MS25036-108
16-14	BLUE	1/4	MS25036-154
16-14	BLUE	5/16	MS25036-109
16-14	BLUE	3/8	MS25036-110
12-10	YELLOW	6	MS25036-111
12-10	YELLOW	8	MS25036-156
12-10	YELLOW	10	MS25036-112
12-10	YELLOW	1/4	MS25036-157
12-10	YELLOW	5/16	MS25036-113
12-10	YELLOW	3/8	MS25036-114
8	RED	10	MS25036-115
8	RED	1/4	MS25036-116
8	RED	5/16	MS25036-117
8	RED	3/8	MS25036-118
6	BLUE	10	MS25036-119
6	BLUE	1/4	MS25036-120
6	BLUE	5/16	MS25036-121
6	BLUE	3/8	MS25036-122
4	YELLOW	10	323052 *
4	YELLOW	1/4	MS25036-123
4	YELLOW	5/16	MS25036-124
4	YELLOW	3/8	MS25036-125
2	RED	1/4	MS25036-126
2	RED	5/16	2-328942-1 *
2	RED	3/8	MS25036-127

* AMP Inc. V00779

10. Insulation Restricting Terminals

- A. On insulation restricting terminals, the insulation shall be bottomed-out against the restrictor fully within the insulation grip.
- B. Refer to Table 212 for insulation restricting terminal information.

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Table 212. Insulation Restricting Terminals

WIRE SIZE (AWG)	INSU- LATING SLEEVE COLOR	IDENT COLOR CODE	STUD SIZE	LOOSE PIECE * PART NUMBER
22	RED	GREEN	4	52273
22	RED	GREEN	6	51863-2
22	RED	GREEN	8	1-320551-2
22	RED	GREEN	10	2-36153-3
22	RED	GREEN	1/4	2-320571-3
22	RED	GREEN	5/16	2-320572-2
22	RED	GREEN	3/8	2-320573-1
20	RED	RED	4	52273-1
20	RED	RED	6	51863-3
20	RED	RED	8	1-320551-3
20	RED	RED	10	2-36153-4
20	RED	RED	1/4	2-320571-4
20	RED	RED	5/16	2-320572-3
20	RED	RED	3/8	2-320573-2
18	RED	WHITE	4	52273-2
18	RED	WHITE	6	51863-4
18	RED	WHITE	8	1-320551-4
18	RED	WHITE	10	2-36153-5
18	RED	WHITE	1/4	2-320571-5
18	RED	WHITE	5/16	2-320572-4
18	RED	WHITE	3/8	2-320573-3
16	BLUE	BLUE	6	51864-6
16	BLUE	BLUE	8	1-51864-0
16	BLUE	BLUE	10	51864-7
16	BLUE	BLUE	1/4	2-320563-3
16	BLUE	BLUE	5/16	2-320575-2
16	BLUE	BLUE	3/8	2-320564-1
14	BLUE	GREEN	6	51864-8
14	BLUE	GREEN	8	1-51864-1
14	BLUE	GREEN	10	51864-9
14	BLUE	GREEN	1/4	2-320563-4
14	BLUE	GREEN	5/16	2-320575-3

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Table 212. Insulation Restricting Terminals (continued)

WIRE SIZE (AWG)	INSU- LATING SLEEVE COLOR	IDENT COLOR CODE	STUD SIZE	LOOSE PIECE * PART NUMBER
14	BLUE	GREEN	3/8	2-320564-2
12	YELLOW	YELLOW	6	2-36161-5
12	YELLOW	YELLOW	8	2-320568-2
12	YELLOW	YELLOW	10	2-36161-3
12	YELLOW	YELLOW	1/4	2-320569-5
12	YELLOW	YELLOW	5/16	2-320576-2
12	YELLOW	YELLOW	3/8	2-320577-1
10	YELLOW	BROWN	6	2-36161-6
10	YELLOW	BROWN	8	2-320568-3
10	YELLOW	BROWN	10	2-36161-4
10	YELLOW	BROWN	1/4	2-320569-6
10	YELLOW	BROWN	5/16	2-320576-3
10	YELLOW	BROWN	3/8	2-320577-2

* AMP Inc. V00779

11. Flag Terminals

- A. For standard flag terminals refer to Table 213. For terminals used on fuel quantity probes in the fuel cell refer to Table 214.

Table 213. Standard Flag Terminals

WIRE SIZE (AWG)	STUD SIZE	PART NUMBER
8	8	MS25189-1
8	10	MS25189-2
8	1/4	MS25189-3
8	5/16	MS25189-4
8	3/8	MS25189-5
8	1/2	MS25189-6
6	10	MS25189-7
6	1/4	MS25189-8
6	5/16	MS25189-9
6	3/8	MS25189-10
6	1/2	MS25189-11
4	10	MS25189-12
4	1/4	MS25189-13

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Table 213. Standard Flag Terminals (continued)

WIRE SIZE (AWG)	STUD SIZE	PART NUMBER
4	5/16	MS25189-14
4	3/8	MS25189-15
4	1/2	MS25189-16
2	10	MS25189-17
2	1/4	MS25189-18
2	5/16	MS25189-19
2	3/8	MS25189-20
2	7/16	MS25189-21
2	1/2	MS25189-22

NOTE: The flag terminals listed in Table 214 are for use in fuel cells.

Table 214. Fuel Quantity Probe Flag Terminals

NAME	PART NUMBER	MANUFACTURER
#6 Terminal	36195	AMP Inc. V00779
#8 Terminal	34117	AMP Inc. V00779
#10 Terminal	34118	AMP Inc. V00779
Crimper	WT111M	Thomas and Betts
#6 Terminal	AB51	Thomas and Betts
#8 Terminal	AB52	Thomas and Betts
#10 Terminal	AB53	Thomas and Betts

12. CHECKING TERMINALS AND SPLICES

A. Electrical Resistance.

- (1) Properly installed terminals and splices shall offer no more resistance across the terminal than an equivalent length of wire of the same gage to which the terminal is attached.

B. Tension Load Testing.

- (1) To test crimping tools used for installing terminals and splices, a sample wire and terminal or splice should withstand the tension loads in Table 215.

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CAUTION: TENSION LOADS ARE FOR A TEST SAMPLE. DO NOT PERFORM TENSION LOAD TEST ON WIRING INSTALLED IN AN AIRPLANE.

Table 215. Minimum Tension Load for Installed Terminals and Splices

ALUMINUM WIRE AND TERMINALS

WIRE SIZE	8	6	4	2	1	0	00	000	0000
LOAD IN POUNDS	130	200	300	500	700	900	1100	1300	1500

OTHER TYPE WIRE AND TERMINALS

WIRE SIZE	24	22	20	18	16	14	12	10	8	6	4	2	0
LOAD IN POUNDS	10	15	19	38	50	70	110	15	220	300	400	550	700

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HEAT SHRINKABLE TUBING - MAINTENANCE PRACTICES

1. General

- A. Heat shrink tubing may be used to cover splices, terminals and short sections of wire where the insulation has been damaged.
- B. Some types of shrink tubing are coated inside with sealant, which melts when the tube shrinks, to provide moisture resistant seal to prevent corrosion.
- C. Heat shrink tubing shrinks to approximately one-half diameter when heated to approximately 250°F for a few seconds.

2. Tools and Equipment

- A. A heat gun part number CV5600 (or equivalent) is required and is available through Raychem Corp. V06090

3. Use of Shrink Tubing

- A. Place shrink tubing on wire away from splice or terminal area.
- B. Install splice or terminal in normal way.
- C. Slide shrink tubing over splice or terminal as required.
- D. Heat shrink tubing with heat gun until tubing has shrunk firmly around splice or terminal.

**CAUTION: PROTECT ADJACENT AREAS FROM HEAT AS HEAT GUN
PRODUCES IN EXCESS OF 250°F AIRFLOW.**

4. Heat Shrink tubing

- A. Heat shrink tubing with sealant is available through AMP Inc.. V00779
Part number 54081-1 can be used for wire diameters of 0.18 thru 0.3 inches.
Part number 54021-1 can be used for wire diameters of 0.26 thru 0.6 inches.
- B. Heat Shrink tubing without sealant (Mil-I-23053/5) is available through Raychem Corp. V06090 Class 1 tubing is flame resistant and class 3 tubing is highly flame resistant. Refer to Table 201 to determine the correct base part number, then refer to Table 202 to determine the correct color code.

Table 201. Class 1 and Class 3 Tubing

PART NUMBER	AS SUPPLIED ID MINIMUM	ID MAXIMUM (AFTER SHRINKAGE)
Class 1		
M23053/5-101-*	0.046	0.023
M23053/5-102-*	0.063	0.031
M23053/5-103-*	0.093	0.046
M23053/5-104-*	0.125	0.062
M23053/5-105-*	0.187	0.093
M23053/5-106-*	0.250	0.125
M23053/5-107-*	0.375	0.187
M23053/5-108-*	0.500	0.250
M23053/5-109-*	0.750	0.375

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Table 201. Class 1 and Class 3 Tubing (continued)

PART NUMBER	AS SUPPLIED ID MINIMUM	ID MAXIMUM (AFTER SHRINKAGE)
M23053/5-110-*	1.000	0.500
M23053/5-111-*	1.500	0.750
M23053/5-112-*	2.000	1.000
M23053/5-113-*	3.000	1.500
M23053/5-114-*	4.000	2.000
Class 3		
M23053/5-301-*	0.046	0.023
M23053/5-302-*	0.063	0.031
M23053/5-303-*	0.093	0.046
M23053/5-304-*	0.125	0.062
M23053/5-305-*	0.187	0.093
M23053/5-306-*	0.250	0.125
M23053/5-307-*	0.375	0.187
M23053/5-308-*	0.500	0.250
M23053/5-309-*	0.750	0.375
M23053/5-310-*	1.000	0.500
M23053/5-311-*	1.500	0.750

* The asterisk in the part number shall be replaced by color code designations.

Table 202. Color for Class 1 and 3 Tubing

Designator	Color	Designator	Color
0	Black	5	Green
1	Brown	6	Blue
2	Red	7	Violet (Purple)
3	Orange	8	Gray (Slate)
4	Yellow	9	White

5. End Caps

- A. End caps should be used to terminate a wire or coax cable when not in use. Table 203 lists part numbers for end caps available through Raychem Corp.V06090

Table 203. End Caps

SIZE	PART NUMBER
0.75 long	TC4001
1.0 long	TC4003
1.125 long	TC4005

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RESISTORS - MAINTENANCE PRACTICES

1. General

- A. This section provides a chart for determining the value of resistors, and shows some typical part numbers and how to determine the value from the part number.
- B. When a resistor burns out, the cause frequently will be a malfunction in some other part of the circuit. Check for shorted wires or other malfunction that could cause excessive current.
- C. Color codes for resistors. Refer to Figure 201.
- D. Part number value guide.
 - (1) CM3527 is 0.5 watt. CM3526 is 1 watt. These are Cessna engineering standards which are followed by a dash number for the complete part number.
 - (a) The first number after the dash is the first digit.
 - (b) The second number after the dash is the second digit.
 - (c) The third number after the dash is the number of zeros.
 - (d) The fourth letter is the tolerance: G = plus or minus 5 percent S = plus or minus 10 percent.

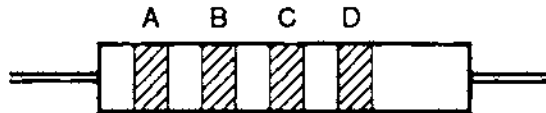
EXAMPLE: CM3527-430G is 43 ohms, one-half watt, plus or minus 5 percent.

- (e) For values less than 10 ohms, R is used in place of the second number and represents a decimal for the value.

Example: CM3527- 2R7G is 2.7 ohms, one-half watt, plus or minus 5 percent.

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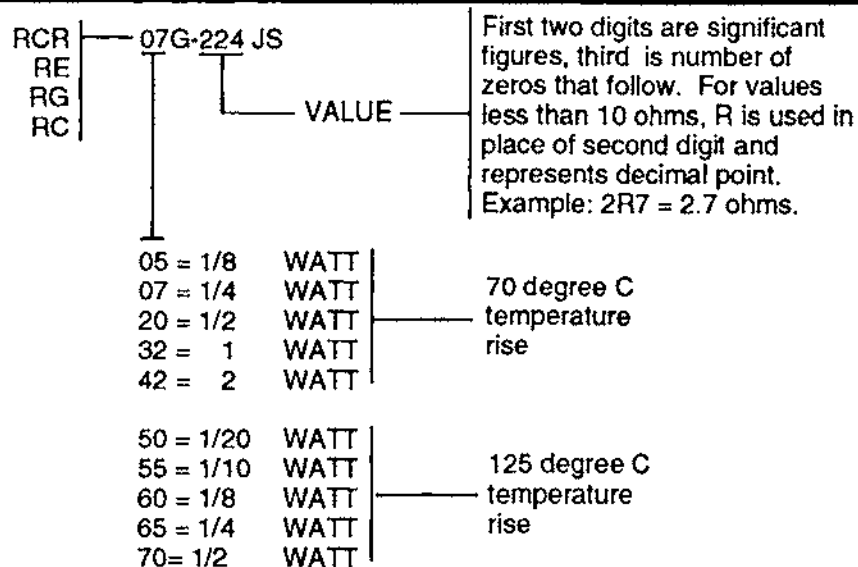
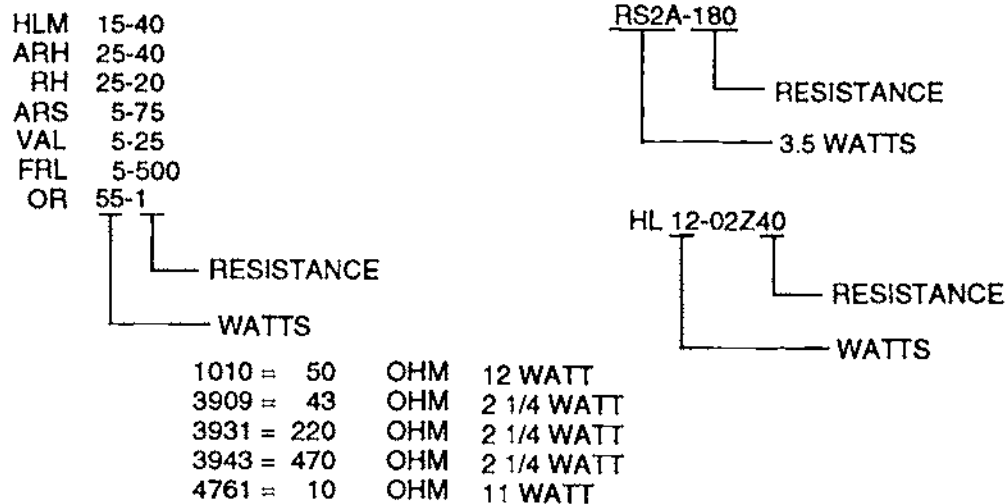
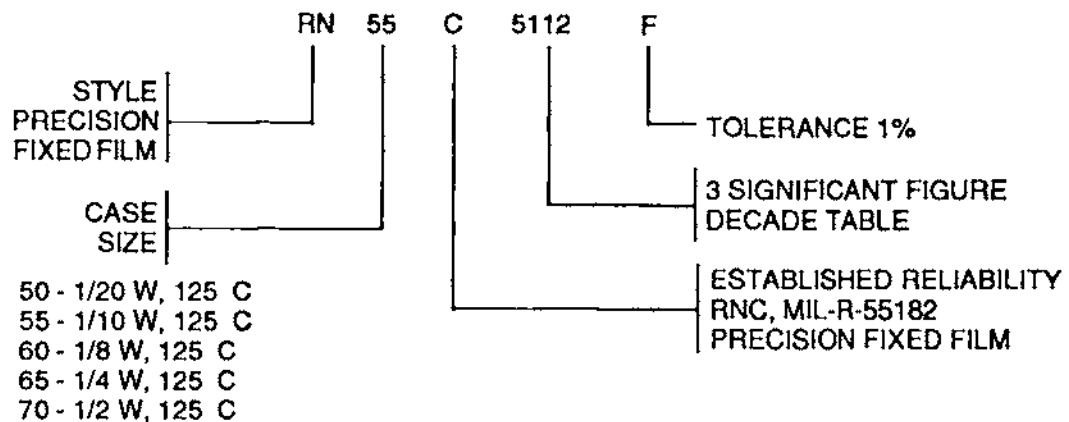
Tool, Pin and Insert Application Table

COLOR	FIRST DIGIT A	SECOND DIGIT B	MULTIPLIER C	TOLERANCE D
BLACK	0	0	1	
BROWN	1	1	10	
RED	2	2	100	
ORANGE	3	3	1,000	
YELLOW	4	4	10,000	
GREEN	5	5	100,000	
BLUE	6	6	1,000,000	
VIOLET	7	7	10,000,000	
GRAY	8	8	100,000,000	
WHITE	9	9	1,000,000,000	
GOLD			0.1	+5, - 5 Percent
SILVER			0.01	+10, - 10 Percent
NO COLOR				+20, - 20 Percent

Resistor Part Numbers
 Figure 201 (Sheet 1)

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Resistor Part Numbers
 Figure 201 (Sheet 2)

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TORQUE VALUES FOR THREADED FASTENER - MAINTENANCE PRACTICES

1. General

- A. These torque values are for electrical current carrying fasteners.
- B. Threads should be free of dust, metal filings and other material.
- C. Lubricants should not be added to any bolt.

2. Torque Values

- A. All threaded electrical current carrying fasteners for relay terminals, shunt terminals, fuse limiter mount block terminals, and bus bar attaching hardware should be torqued per Table 201.

Table 201. Threaded Current Carrying Fasteners

FASTENER DIAMETER	TORQUE IN INCH-POUNDS
3/16	20-30
1/4	40-60
5/16	80-100
3/8	105-125
1/2	130-150

- B. All threaded fasteners at airframe ground terminals should be torqued per Table 202.

Table 202. Threaded Ground Fasteners

FASTENER DIAMETER	TORQUE IN INCH-POUNDS
5/16	130-150
3/8	160-190

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SEALING OF ELECTRICAL CONNECTORS - MAINTENANCE PRACTICES

1. General

- A. This section describes procedures for sealing electrical connectors where protection from moisture is required.

2. Tools and Equipment

- A. The materials (or equivalent) listed in Table 201 are required.

Table 201. Tools and Equipment

NAME	NUMBER	MANUFACTURER	USE
Sealant	Silastic 738	Dow Corning 3901 S. Saginaw Road Midland, MI 48640	Potting connectors.
Cleaning solvent	Mozel Number 18	Mozel Chemical Prod. Co. 4003 Park Ave. St. Louis, MO 63110	Cleaning.
Cleaning solvent	Methyl n-propyl ketone	Commercially available	Cleaning.
Parting agent	MS-122 fluorocarbon	Miller-Stephenson Chemical Co., Inc. George Washington Highway P.O. Box 950 Danbury, CT 06810	For separation.
Parting agent	Resin- Release-N	General Mills, Inc. 9200 Wayzata Blvd. P.O. Box 1113 Minneapolis, MN 55440	For separation.
Etching supplies	Tetra-Etch	W.L. Gore and Associates 555 Paper Mill Road Newark, DE 19711	For etching.
Cheesecloth, Lint-free		Commercially available	For applying solvent.

3. Cleaning

- A. All surfaces to which sealant or primer is to be applied should be cleaned and dried immediately prior to sealant application. Remove all dust, lint, chips and shavings.
- B. Cleaning shall be accomplished by scrubbing the surfaces with a brush or cheesecloth moistened with solvent. It is essential that only clean cloths and clean solvent be used in the cleaning operations.

4. Etching

- A. All areas of insulation materials which contain fluorine, such as, Teflon or Kevlar, to which sealant is to adhere, should be cleaned per paragraph 3, and then etched in accordance with the manufacturer's instructions and recleaned before sealing.

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5. Sealant Application

- A. Before application of sealant, check all wires to make sure they are properly attached and in the correct position.
- B. After sealant is applied, joints should not be flexed until sealant is tack-free.
 - (1) At 77°F, sealant will require 20 minutes to be tack-free.
 - (2) Seventy-two hours is required to cure sealant thickness of one-eighth inch or thicker.
- C. Carefully insert the nozzle into the center of the wires. Inject the sealant keeping the nozzle slightly below the surface of the sealant.
 - (1) The injection shall be done slowly to allow the sealant to flow between the wires as it rises. Entrapped air may be released by vibration or lightly tapping the receptacle on a firm surface.
 - (2) Do not damage connector contacts.
- D. When the nozzle cannot be inserted between the wires because of spacing, insert the nozzle to one side of the wires and as near to the center as possible without forcing.
- E. Application continues until the mold is filled.
 - (1) Backshells should be filled to a minimum height of 0.25 inch above the top of the longest contact or the highest shield termination.
 - (2) Complete filling of backshell is preferred.
- F. Entrapment of air within sealants must be avoided in all cases. Air bubbles act as reservoirs for moisture buildup which may lead to short circuits.

CHAPTER

21

**AIR
CONDITIONING**

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<u>CHAPTER</u> <u>SECTION</u> <u>SUBJECT</u>	<u>NUMBER</u> <u>OF</u> <u>PAGES</u>	<u>DATE</u>
21-Title	1	
21-List of Effective Pages	1	Jan 20/2006
21-Record of Temporary Revisions	1	Jan 20/2006
21-Contents	1	Jan 20/2006
21-20-00	Figure 01	2 Jan 20/2006 Deleted
	Figure 02	2 Jan 20/2006 Deleted
	Figure 03	2 Jan 20/2006 Deleted
21-20-01	Figure 01	2 Jan 20/2006
	Figure 02	2 Jan 20/2006
	Figure 03	2 Jan 20/2006

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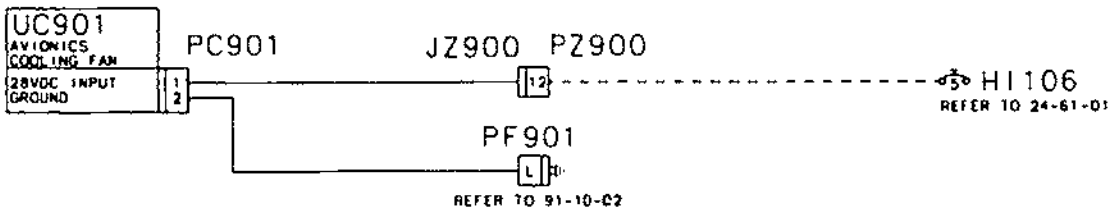
RECORD OF REVISIONS

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WIRING DIAGRAM MANUAL

<u>SUBJECT</u>	<u>CHAPTER/ SECTION/ SUBJECT</u>	<u>FIGURE</u>	<u>EFFECTIVITY</u> <u>START</u> <u>END</u>
AVIONICS COOLING FAN	21-20-01	01	
AVIONICS COOLING FAN	21-20-01	02	
AVIONICS COOLING FAN	21-20-01	03	

- NOTES:
- 1. ALL WIRE 22 GAUGE.
 - CONNECTOR SUPPLIED WITH COOLING FAN.



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AVIONICS COOLING FAN
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

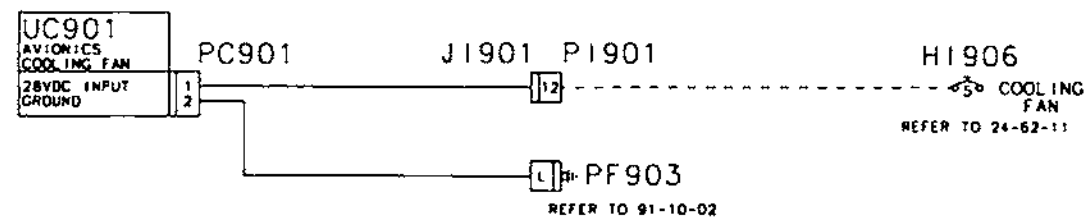
MODEL 172

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FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
			1 2 3 4 5 6 7		
01			AVIONICS COOLING FAN 17280001 THRU 17280003 STANDARD, NAV I, NAV II		
	HI106	S1360-5L	CIRCUIT BREAKER AVIONICS FAN		01 R
	JZ900	S2350-3	CONNECTOR (ZONE 220)		01 R
-		S2353-4	PINS		ARR
-		S2353-5	PINS		ARR
	PC901	03-06-1023	CONNECTOR AVIONICS COOLING FAN (ZONE 120)	V27264	01 R
-		S2216-4	SOCKET		ARR
	PF901	S2526-1	CONNECTOR GROUND		01 R
-		S2099-4	CONTACT		ARR
	PZ900	S2349-1	CONNECTOR WING LEVELER DISCONNECT (ZONE 220)		01 R
-		S2099-3	CONTACTS		ARR
-		S2099-4	CONTACTS		ARR
	UC901	4000014-002	COOLING FAN (ZONE 610)		01 R

ITEM NOT ILLUSTRATED

- NOTES:
- 1. ALL WIRE 22 GAUGE.
 - CONNECTOR SUPPLIED WITH COOLING FAN.



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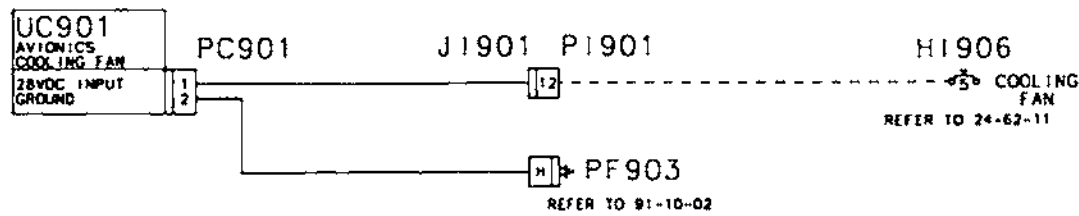
AVIONICS COOLING FAN
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY
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WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES		1 2 3 4 5 6 7		FROM TO	PER ASSY
02			AVIONICS COOLING FAN 17280004 THRU 17280983 172S8001 THRU 172S8703 STANDARD, NAV I, NAV II, NAV II W/HSI		
HI906	1610-128-050A7		CIRCUIT BREAKER AVIONICS FAN (ZONE 224)	V76374	01
JI901	S2350-3		CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01
-	S2353-5		.. PIN		AR
PC901	03-06-1023		CONNECTOR AVIONICS COOLING FAN (ZONE 120)	V27264	01
-	S2216-4		.. SOCKET		AR
PF903	SK2701		CONNECTOR (ZONE 221)	V28198	01
-	FC116N2		.. CONTACT	V28198	AR
-	FC120N2		.. CONTACT		AR
PI901	S2349-1		CONNECTOR AVIONICS CIRCUIT BREAKER PANEL (ZONE 224) .		01
-	S2099-3		.. CONTACT		AR
-	S2099-4		.. CONTACT		AR
UC901	4000014-002		COOLING FAN (ZONE 610)		01

- ITEM NOT ILLUSTRATED

NOTES:
1. ALL WIRE 22 GAUGE.



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AVIONICS COOLING FAN
Figure 03 (Sheet 1)

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FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
			1 2 3 4 5 6 7		
03			AVIONICS COOLING FAN		
			17280984 & ON		
			172S8704 & ON		
			STANDARD, NAV I, NAV I W/ADF, NAV II, NAV II W/ADF, NAVII		
			W/HSI, NAV II W/ADF/HSI, NAV II W/HSI/MFD		
HI906	1610-128-050A7		CIRCUIT BREAKER AVIONICS FAN (ZONE 224)	V76374	01 R
JI901	S2350-3		CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE		01 R
			220)		
-	S2353-5		PIN		AR R
PC901	03-06-1023		CONNECTOR AVIONICS COOLING FAN (ZONE 120)	V27264	01 R
-	S2216-4		SOCKET		AR R
PF903	SK2701		CONNECTOR (ZONE 221)	V28198	01 R
-	FC116N2		CONTACT	V28198	AR R
-	FC120N2		CONTACT		AR R
PI901	S2349-1		CONNECTOR AVIONICS CIRCUIT BREAKER PANEL (ZONE 224) .		01 R
-	S2099-3		CONTACT		AR R
-	S2099-4		CONTACT		AR R
UC901	4000014-002		COOLING FAN (ZONE 610)		01 R

- ITEM NOT ILLUSTRATED

CHAPTER

22

AUTO FLIGHT

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<u>CHAPTER SECTION SUBJECT</u>	<u>NUMBER OF PAGES</u>	<u>DATE</u>
22-Title	1	
22-List of Effective Pages	1	Jan 1/2007
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22-Contents	1	Jan 1/2007
22-10-01	Figure 01	2 Jan 20/2006
	Figure 02	2 Jan 20/2006
	Figure 03	2 Jan 20/2006
	Figure 04	2 Jan 20/2006
22-10-02	Figure 01	2 Jan 20/2006
	Figure 02	2 Jan 20/2006
	Figure 03	2 Jan 20/2006
22-10-30	Figure 01	4 Jan 20/2006
22-10-31	Figure 01	4 Jan 20/2006
22-10-32	Figure 01	4 Jan 20/2006
22-10-33	Figure 01	4 Jan 20/2006
22-10-40	Figure 01	4 Jan 20/2006
22-10-41	Figure 01	4 Jan 20/2006
22-10-42	Figure 01	4 Jan 20/2006
22-10-43	Figure 01	4 Jan 20/2006
22-10-44	Figure 01	4 Jan 20/2006
22-10-45	Figure 01	6 Jan 20/2006
22-10-46	Figure 01	6 Jan 1/2007
22-10-47	Figure 01	6 Jan 1/2007 Added

CESSNA AIRCRAFT COMPANY MODEL 172 WIRING DIAGRAM MANUAL

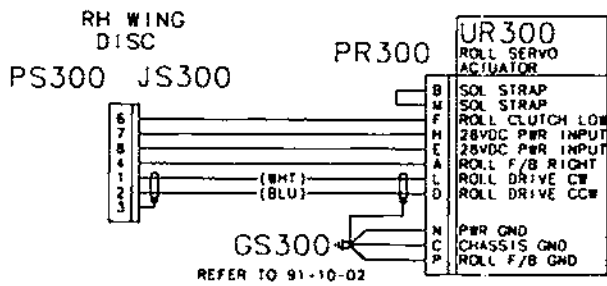
RECORD OF REVISIONS

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CESSNA AIRCRAFT COMPANY
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<u>SUBJECT</u>	<u>CHAPTER/ SECTION/ SUBJECT</u>	<u>FIGURE</u>	<u>EFFECTIVITY START END</u>
ROLL SERVO ACTUATOR	22-10-01	01	
ROLL SERVO ACTUATOR	22-10-01	02	
ROLL SERVO ACTUATOR	22-10-01	03	
ROLL SERVO ACTUATOR	22-10-01	04	
WING LEVELER	22-10-02	01	
WING LEVELER	22-10-02	02	
WING LEVELER	22-10-02	03	
SINGLE AXIS AUTOPILOT	22-10-30	01	
SINGLE AXIS AUTOPILOT	22-10-31	01	
SINGLE AXIS AUTOPILOT	22-10-32	01	
SINGLE AXIS AUTOPILOT	22-10-33	01	
DUAL AXIS AUTOPILOT	22-10-40	01	
DUAL AXIS AUTOPILOT	22-10-41	01	
DUAL AXIS AUTOPILOT	22-10-42	01	
DUAL AXIS AUTOPILOT	22-10-43	01	
DUAL AXIS AUTOPILOT	22-10-44	01	
DUAL AXIS AUTOPILOT	22-10-45	01	
DUAL AXIS AUTOPILOT	22-10-46	01	
DUAL AXIS AUTOPILOT	22-10-47	01	

NOTES:
1 ALL WIRE 22 AWG, EXCEPT AS NOTED.



ROLL SERVO ACTUATOR
Figure 01 (Sheet 1)

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CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

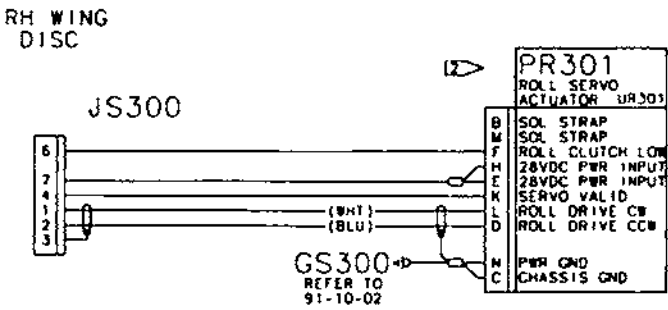
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
01			ROLL SERVO ACTUATOR		
			17280001 THRU 17280003		
GS300	3910276-2		GROUND STUD (ZONE 610)		01
JS300	S1641-9		CONNECTOR RIGHT WING DISCONNECT (ZONE 210)		01
-	S1636-1		SOCKET		AR
PR300	030-2000-00		CONNECTOR ROLL SERVO ACTUATOR (ZONE 620)	V22373	01
-	030-1008-00		LEVER	V22373	01
-	030-1009-00		HOOD	V22373	01
PS300	S1640-9		CONNECTOR ROLL SERVO ACTUATOR (ZONE 610)		01
-	S1635-1		CONTACT		AR
UR300			ACTUATOR ROLL SERVO		RF

- ITEM NOT ILLUSTRATED

Figure 01

Page 1

NOTES:
1. ALL WIRE 22 AWG, EXCEPT AS NOTED.
2. PART OF ALLIED SIGNAL INSTL KIT 050-00398-0000.
3. THE DIFFERENCE BETWEEN DASH NUMBERS IS THE LENGTH OF THE CABLE ASSEMBLY AS DEFINED ON THE AIRCRAFT WIRE ROUTING DRAWING.



- ① CABLE ASSY
- ② CABLE ASSY
- ③ CABLE ASSY

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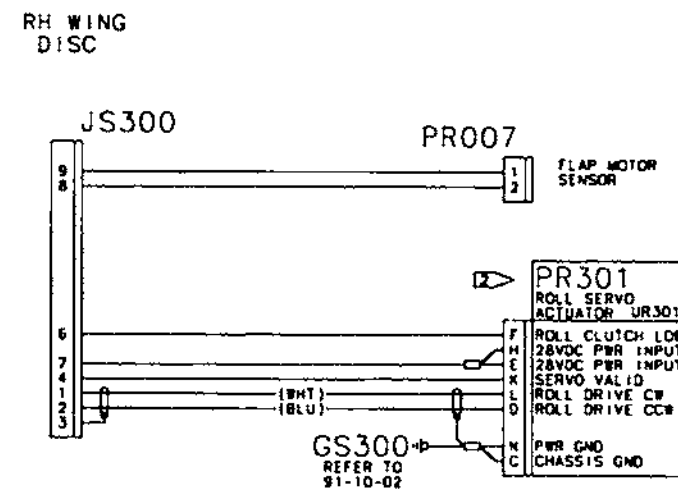
ROLL SERVO ACTUATOR
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
		1234567			
02			ROLL SERVO ACTUATOR		
			17280004 THRU 17280830		
			172S8001 THRU 172S8347		
GS300	3910276-2		GROUND STUD (ZONE 610)		01
JS300	S1641-9		CONNECTOR RIGHT WING DISCONNECT (ZONE 210)		01
-	S1636-1		SOCKET		AR
PR301	030-03248-0000		CONNECTOR ROLL SERVO ACTUATOR (ZONE 610)		01
-	050-00398-0000		INSTALLATION KIT	V22373	01
UR301			ACTUATOR ROLL SERVO		RF

- ITEM NOT ILLUSTRATED

NOTES:
 1. ALL WIRE 22 AWG, EXCEPT AS NOTED.
 2. PART OF ALLIED SIGNAL INSTL KIT 050-00398-0000.
 3. THE DIFFERENCE BETWEEN DASH NUMBERS IS THE
 LENGTH OF THE CABLE ASSEMBLY AS DEFINED ON THE
 AIRCRAFT WIRE ROUTING DRAWING.



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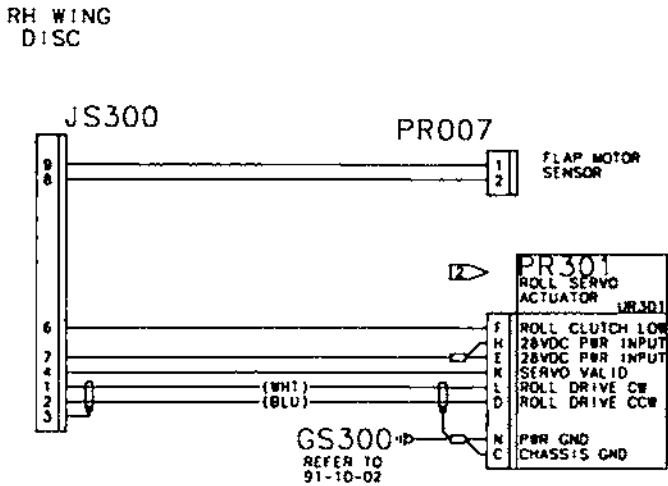
ROLL SERVO ACTUATOR
 Figure 03 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
		1234567			
03			ROLL SERVO ACTUATOR		
			17280831 THRU 17280983		
			172S8348 THRU 172S8703		
GS300	3910276-2		GROUND STUD (ZONE 610)		01
JS300	S1641-9		CONNECTOR RIGHT WING DISCONNECT (ZONE 210)		01
-	S1636-1		SOCKET		AR
PR007	S1638-1		CONNECTOR AVIONICS FLAP ACTUATOR DISCONNECT (ZONE 610)		01
-	S1636-1		CONTACT		AR
PR301	030-03248-0000		CONNECTOR ROLL SERVO ACTUATOR (ZONE 610)		01
-	050-00398-0000		INSTALLATION KIT	V22373	01
UR301			ACTUATOR ROLL SERVO		RF

- ITEM NOT ILLUSTRATED

NOTES:
1. ALL WIRE 22 AWG, EXCEPT AS NOTED.
2. PART OF ALLIED SIGNAL INSTL KIT 050-00398-0000.
3. THE DIFFERENCE BETWEEN DASH NUMBERS IS THE LENGTH OF THE CABLE ASSEMBLY AS DEFINED ON THE AIRCRAFT WIRE ROUTING DRAWING.



- ① CABLE ASSY - 172 ROLL SERVO
- ② CABLE ASSY - 182 ROLL SERVO
- ③ CABLE ASSY - 206 ROLL SERVO

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ROLL SERVO ACTUATOR
Figure 04 (Sheet 1)

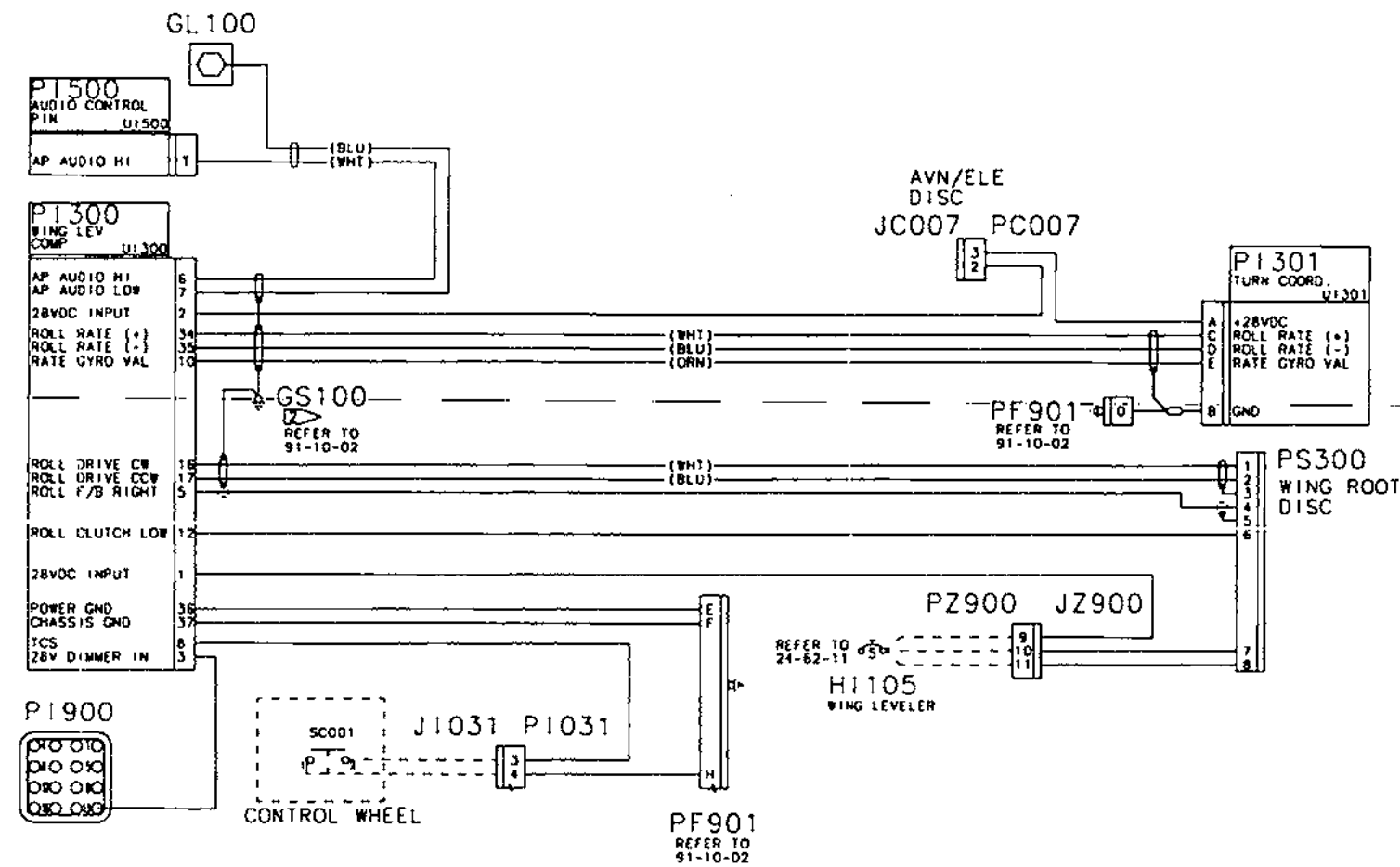
CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
		1 2 3 4 5 6 7		
04		ROLL SERVO ACTUATOR		
		17280984 & ON		
		172S8704 & ON		
GS300	3910276-2	GROUND STUD (ZONE 610)		01
JS300	S1641-9	CONNECTOR RIGHT WING DISCONNECT (ZONE 210)		01
-	S1636-1	SOCKET		AR
PR007	S1638-1	CONNECTOR AVIONICS FLAP ACTUATOR DISCONNECT (ZONE 610)		01
-	S1636-1	CONTACT		AR
PR301	030-03248-0000	CONNECTOR ROLL SERVO ACTUATOR (ZONE 610)		01
-	050-00398-0000	INSTALLATION KIT	V22373	01
UR301		ACTUATOR ROLL SERVO		RF

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

NOTES:
1 ALL WIRE 22 AWG. EXCEPT AS NOTED.
2 GND STUD IS LOCATED ON THE BACK OF THE WING LEVELER COMPUTER RACK.



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WING LEVELER
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

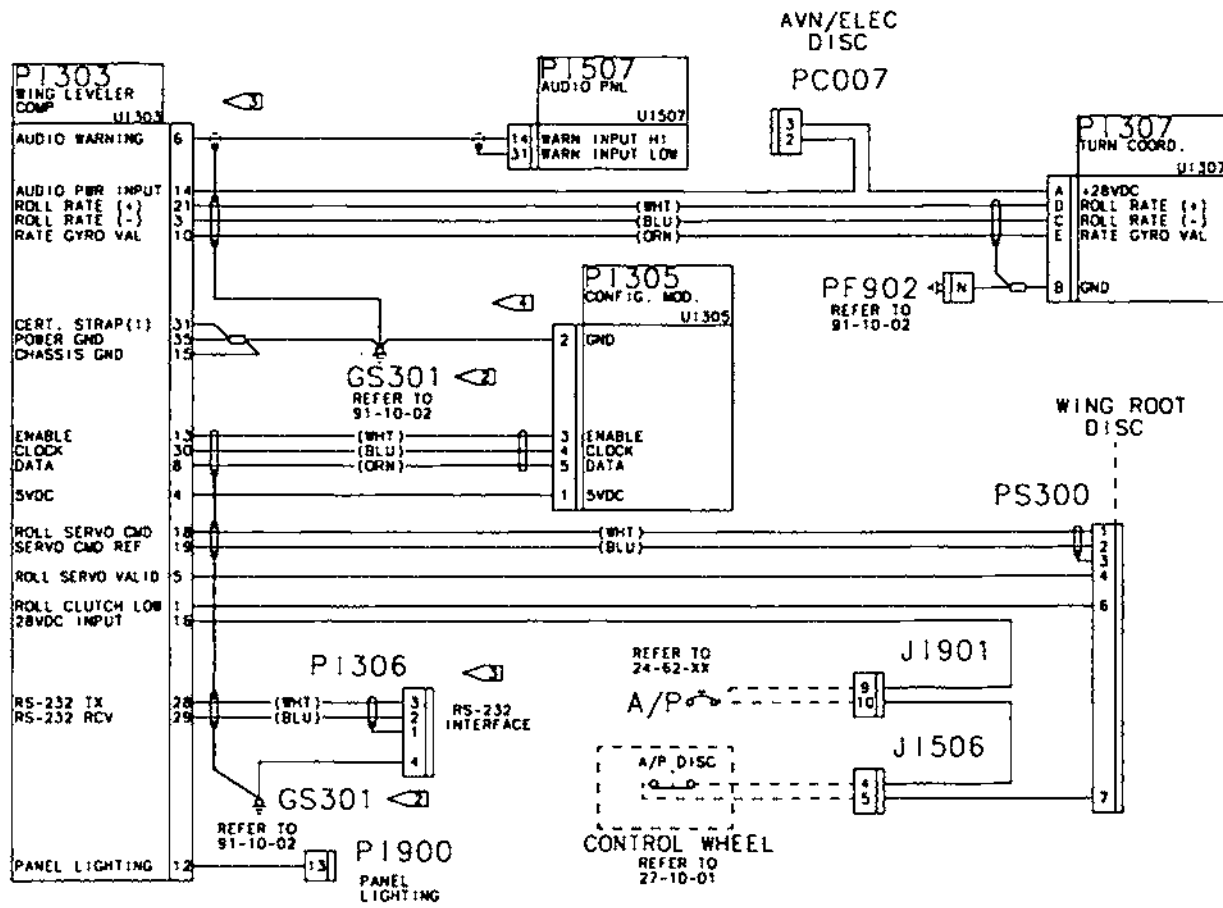
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
01			WING LEVELER		
			17280001 THRU 17280003		
			STANDARD, NAV I		
	GL100	008-0041-00	GROUND	V22373	01 R
	GS100		GROUND STUD		RF R
	HI105	S1360-5L	CIRCUIT BREAKER WING LEVELER		01
	JC007	S1641-1	CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 224)		01
		S1636-1	PINS		AR
	J1031		CONNECTOR		RF R
	JZ900	S2350-3	CONNECTOR (ZONE 220)		01
		S2353-4	PINS		AR
		S2353-5	PINS		AR
	PC007	S1640-9	CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220)		01
		S1635-1	PIN		AR
	PF901	S2526-1	CONNECTOR GROUND		01
		S2099-4	CONTACT		AR
	PI031		CONNECTOR		RF R
		S1636-1	CONTACT		02 R
	PI300	030-01175-0000	CONNECTOR WING LEVELER COMPUTER DISCONNECT (ZONE 225)		01
	PI301	MS3106F14S-5S	CONNECTOR TURN COORDINATOR (ZONE 220)		01
	PI500	030-1094-58	PANEL AUDIO (ZONE 225)	V22373	01
		030-1107-46	PIN	V22373	AR
	PI900	S3070-9	CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01
		LMD6106P	BUSSING MODULE	V49367	01
		LMS01T-TL	SPLICE CONNECTOR	V49367	01
		S2353-5	PIN		AR
	PS300	S1640-9	CONNECTOR ROLL SERVO ACTUATOR (ZONE 610)		01
		S1635-1	CONTACT		AR
	PZ900	S2349-1	CONNECTOR WING LEVELER DISCONNECT (ZONE 220)		01
		S2099-3	CONTACTS		AR
		S2099-4	CONTACTS		AR
	UI300		COMPUTER WING LEVELER		RF
	UI301		GAGE TURN COORDINATOR		RF
	UI500		PANEL AUDIO		RF

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

- NOTES:
- 1 ALL WIRE 22 AWG, EXCEPT AS NOTED.
 - 2 GND STUD IS LOCATED ON THE BACK OF THE WING LEVELER COMPUTER RACK.
 - 3 PART OF ALLIED SIGNAL INSTL KIT 050-03375-0000.
 - 4 PART OF ALLIED SIGNAL KIT 050-03245-0000.



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WING LEVELER
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
02			WING LEVELER		
			17280004 THRU 17280830		
			172S8001 THRU 172S8347		
			STANDARD, NAV I		
GS301	3910276-2		GROUND STUD WING LEVELER COMPUTER (ZONE 225)		01
J1506	S1641-6		CONNECTOR PILOT'S CONTROL WHEEL DISCONNECT (ZONE 220)		01
	S1636-1		SOCKET		AR
J1901	S2350-3		CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01
	S2353-5		PIN		AR
PC007	S1640-9		CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220).		01
	S1635-1		PIN		AR
PF902	SK2701		CONNECTOR GROUND (ZONE 221)	V28198	01
	FC116N2		CONTACT		AR
	FC120N2		CONTACT	V28198	AR
PI303	030-01175-0000		CONNECTOR WING LEVELER COMPUTER (ZONE 225)		01
	050-03375-0001		PART OF ALLIED SIGNAL KIT 050-03375-0001		
PI305	030-01171-0000		CONNECTOR KIT		01
			CONNECTOR CONFIGURATION MODULE DISCONNECT (ZONE 220)	V22373	01
	050-03245-0000		PART OF ALLIED SIGNAL KIT 050-03245-0000		
PI306	033-00230-0000		CONNECTOR KIT	V22373	01
			CONNECTOR RS-232 INTERFACE (ZONE 120)		01
	050-03375-0000		PART OF ALLIED SIGNAL KIT 050-03375-0001		
PI307	97-4106A14S-5S		CONNECTOR KIT		01
	97-3057-1007-1		CONNECTOR TURN COORDINATOR DISCONNECT (ZONE 220).	V77820	01
	9755-1622S-4		BACKSHELL	V77820	01
PI507	050-03392-0000		SOCKET	V77820	AR
PI900	S3070-9		CONNECTOR KIT AUDIO PANEL (ZONE 225)		01
	LMD6106P		CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01
	LMS01T-TL		BUSSING MODULE	V49367	01
	S2353-5		SPLICE CONNECTOR	V49367	01
PS300	S1640-9		PIN		AR
	S1635-1		CONNECTOR ROLL SERVO ACTUATOR (ZONE 610).		01
			CONTACT		AR
UI303			COMPUTER AUTO PILOT (ZONE 225)		RF
UI305			MODULE CONFIGURATION (ZONE 211)		RF
UI307			TURN COORDINATOR		RF
UI507	066-01155-0101		PANEL AUDIO (ZONE 225)	V22373 80001 80601	01
	066-01155-0201		ALTERNATE FOR 066-01155-0101	V22373	01
UI507	066-01155-0201		PANEL AUDIO (ZONE 225)	V22373 80602 80720	01
				8001 8189	
UI507	S3100-160		PANEL AUDIO (ZONE 225)	80721 80983	01
				8190 8703	

- ITEM NOT ILLUSTRATED

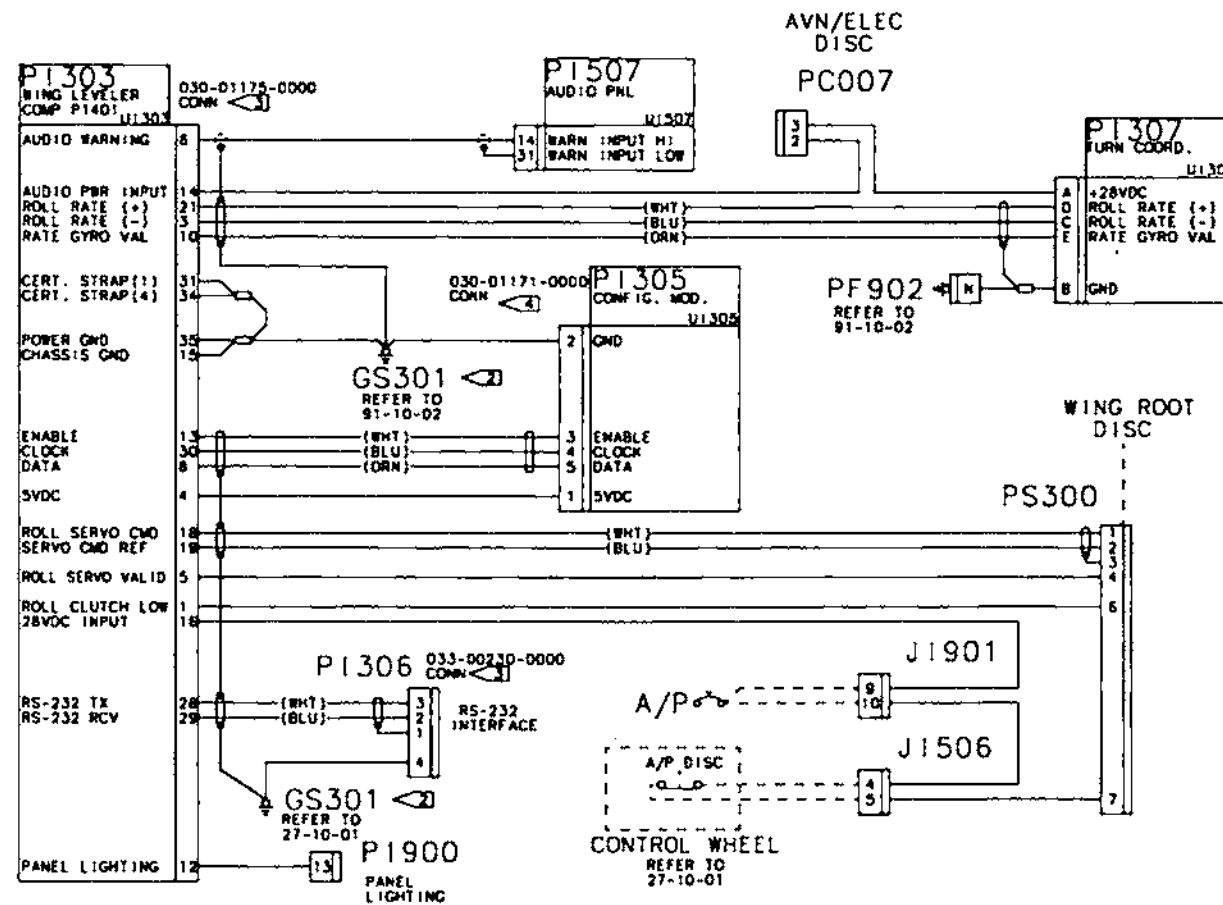
Figure 02

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

NOTES:

- 1 ALL WIRE 22 AWG. EXCEPT AS NOTED.
- 2 GND STUD IS LOCATED ON THE BACK OF THE WING LEVELER COMPUTER RACK.
- 3 PART OF ALLIED SIGNAL INSTL KIT 050-03375-0000.
- 4 PART OF ALLIED SIGNAL KIT 050-03245-0000.



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WING LEVELER
 Figure 03 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
			1 2 3 4 5 6 7		ASSY
03			WING LEVELER		
			17280831 THRU 17280983		
			172S8348 THRU 172S8703		
			STANDARD, NAV I		
GS301	3910276-2		GROUND STUD WING LEVELER COMPUTER (ZONE 225)		01
J1506	S1641-6		CONNECTOR PILOT'S CONTROL WHEEL DISCONNECT (ZONE 220)		01
-	S1636-1		SOCKET		AR
J1901	S2350-3		CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01
-	S2353-5		PIN		AR
PC007	S1640-9		CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220).		01
-	S1635-1		PIN		AR
PF902	SK2701		CONNECTOR GROUND (ZONE 221)	V28198	01
-	FC116N2		CONTACT		AR
-	FC120N2		CONTACT	V28198	AR
PI303	030-01175-0000		CONNECTOR WING LEVELER COMPUTER (ZONE 225)		01
-	050-03375-0001		PART OF ALLIED SIGNAL KIT 050-03375-0001		
PI305	030-01171-0000		CONNECTOR KIT		01
-			CONNECTOR CONFIGURATION MODULE DISCONNECT (ZONE 220)	V22373	01
-	050-03245-0000		PART OF ALLIED SIGNAL KIT 050-03245-0000		
PI306	033-00230-0000		CONNECTOR KIT	V22373	01
-			CONNECTOR RS-232 INTERFACE (ZONE 120)		01
-	050-03375-0000		PART OF ALLIED SIGNAL KIT 050-03375-0001		
PI307	97-4106A14S-5S		CONNECTOR KIT		01
-	97-3057-1007-1		CONNECTOR TURN COORDINATOR DISCONNECT (ZONE 220).	V77820	01
-	9755-1622S-4		BACKSHELL	V77820	01
PI507	050-03392-0000		SOCKET	V77820	AR
PI900	S3070-9		CONNECTOR KIT AUDIO PANEL (ZONE 225)		01
-	LMD6106P		CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01
-	LMS01T-TL		BUSSING MODULE	V49367	01
-	S2353-5		SPLICE CONNECTOR	V49367	01
-	S1640-9		PIN		AR
PS300	S1635-1		CONNECTOR ROLL SERVO ACTUATOR (ZONE 610)		01
-			CONTACT		AR
UI303			COMPUTER AUTO PILOT (ZONE 225)		RF
UI305			MODULE CONFIGURATION (ZONE 211)		RF
UI307			TURN COORDINATOR		RF
UI507	S3100-160		PANEL AUDIO (ZONE 225)	80721 80983 8190 8703	01

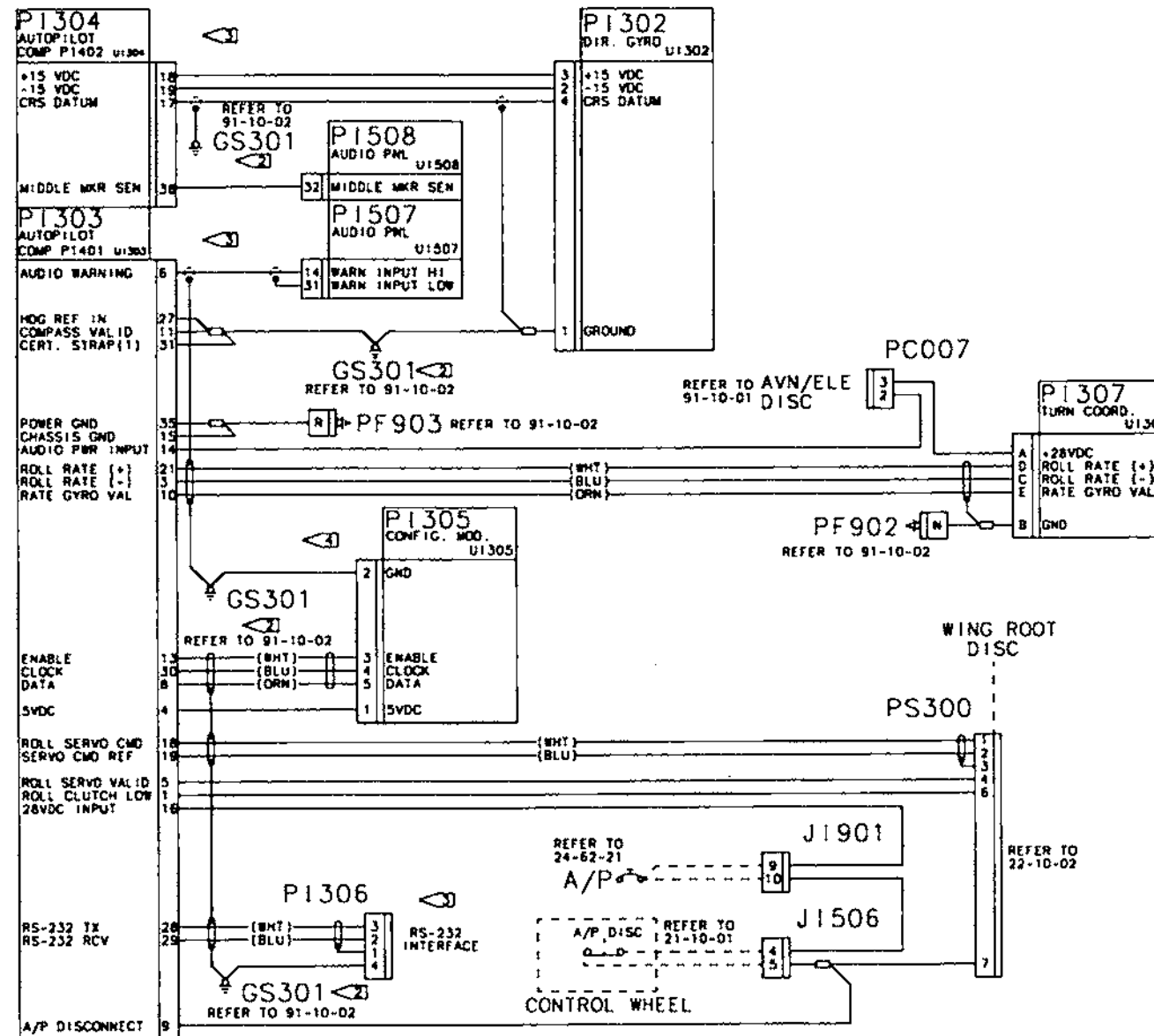
- ITEM NOT ILLUSTRATED

Figure 03

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

- NOTES:
 1 ALL WIRE 22 AWG, EXCEPT AS NOTED.
 2 GND STUD IS LOCATED ON THE BACK OF THE AUTOPILOT COMPUTER RACK.
 3 PART OF ALLIED SIGNAL INSTL KIT 050-03375-0000.
 4 PART OF ALLIED SIGNAL KIT 050-03245-0000.



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SINGLE AXIS AUTOPILOT
 Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
01			SINGLE AXIS AUTOPILOT		
			17280001 THRU 17280830		
			172S8001 THRU 172S8347		
			NAV II		
	GS301	3910276-2	GROUND STUD WING LEVELER COMPUTER (ZONE 225)		01
	J1506	S1641-6	CONNECTOR PILOT'S CONTROL WHEEL DISCONNECT (ZONE 220)		01
		S1636-1	SOCKET		AR
	J1901	S2350-3	CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01
		S2353-5	PIN		AR
	PC007	S1640-9	CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220)		01
		S1635-1	PIN		AR
	PF902	SK2701	CONNECTOR GROUND (ZONE 221)	V28198	01
		FC116N2	CONTACT		AR
		FC120N2	CONTACT	V28198	AR
	PF903	SK2701	CONNECTOR (ZONE 221)	V28198	01
		FC116N2	CONTACT	V28198	AR
		FC120N2	CONTACT		AR
	PI302	D01PB406NT-837	CONNECTOR DIRECTIONAL GYRO DISCONNECT (ZONE 220)	V50541	01
		YSK006-11AH	SOCKET	V50541	AR
	PI303	030-01175-0000	CONNECTOR WING LEVELER COMPUTER (ZONE 225)		01
			PART OF ALLIED SIGNAL KIT 050-03375-0001		
		050-03375-0001	CONNECTOR KIT		01
	PI304	030-01176-0000	CONNECTOR AUTOPILOT COMPUTER DISCONNECT (ZONE 225)		01
			PART OF ALLIED SIGNAL KIT 050-03375-0001		
		050-03375-0000	CONNECTOR KIT		01
	PI305	030-01171-0000	CONNECTOR CONFIGURATION MODULE DISCONNECT (ZONE 220)	V22373	01 R
			PART OF ALLIED SIGNAL KIT 050-03245-0000		
		050-03245-0000	CONNECTOR KIT	V22373	01 R
	PI306	033-00230-0000	CONNECTOR RS-232 INTERFACE (ZONE 120)		01
			PART OF ALLIED SIGNAL KIT 050-03375-0001		
		050-03375-0000	CONNECTOR KIT		01
	PI307	97-4106A14S-5S	CONNECTOR TURN COORDINATOR DISCONNECT (ZONE 220)	V77820	01
		97-3057-1007-1	BACKSHELL	V77820	01
		9755-1622S-4	SOCKET	V77820	AR
	PI507	050-03392-0000	CONNECTOR KIT AUDIO PANEL (ZONE 225)		01
	PI508	050-03392-0000	CONNECTOR KIT AUDIO PANEL (ZONE 225)		01
	PS300	S1640-9	CONNECTOR ROLL SERVO ACTUATOR (ZONE 610)		01
		S1635-1	CONTACT		AR
	UI302	S3330-1	GYRO DIRECTIONAL (ZONE 220)		01
	UI303		COMPUTER AUTO PILOT (ZONE 225)		RF
	UI304		COMPUTER AUTO PILOT (ZONE 225)		RF
	UI305		MODULE CONFIGURATION (ZONE 211)		RF
	UI307		TURN COORDINATOR		RF
	UI507	066-01155-0101	PANEL AUDIO (ZONE 225)	V22373 80001 80601	01
		066-01155-0201	ALTERNATE FOR 066-01155-0101	V22373	01
	UI507	066-01155-0201	PANEL AUDIO (ZONE 225)	V22373 80602 80720	01
				8001 8189	
	UI507	S3100-160	PANEL AUDIO (ZONE 225)	80721 80983	01
				8190 8703	
	UI508		PANEL AUDIO		RF

- ITEM NOT ILLUSTRATED

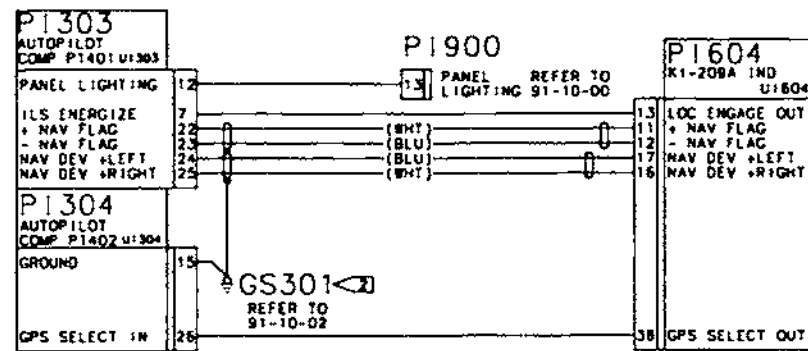
Figure 01

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

NOTES:

- 1 ALL WIRE 22 AWG, EXCEPT AS NOTED.
 2 GND STUD IS LOCATED ON THE BACK OF THE AUTOPILOT COMPUTER RACK.



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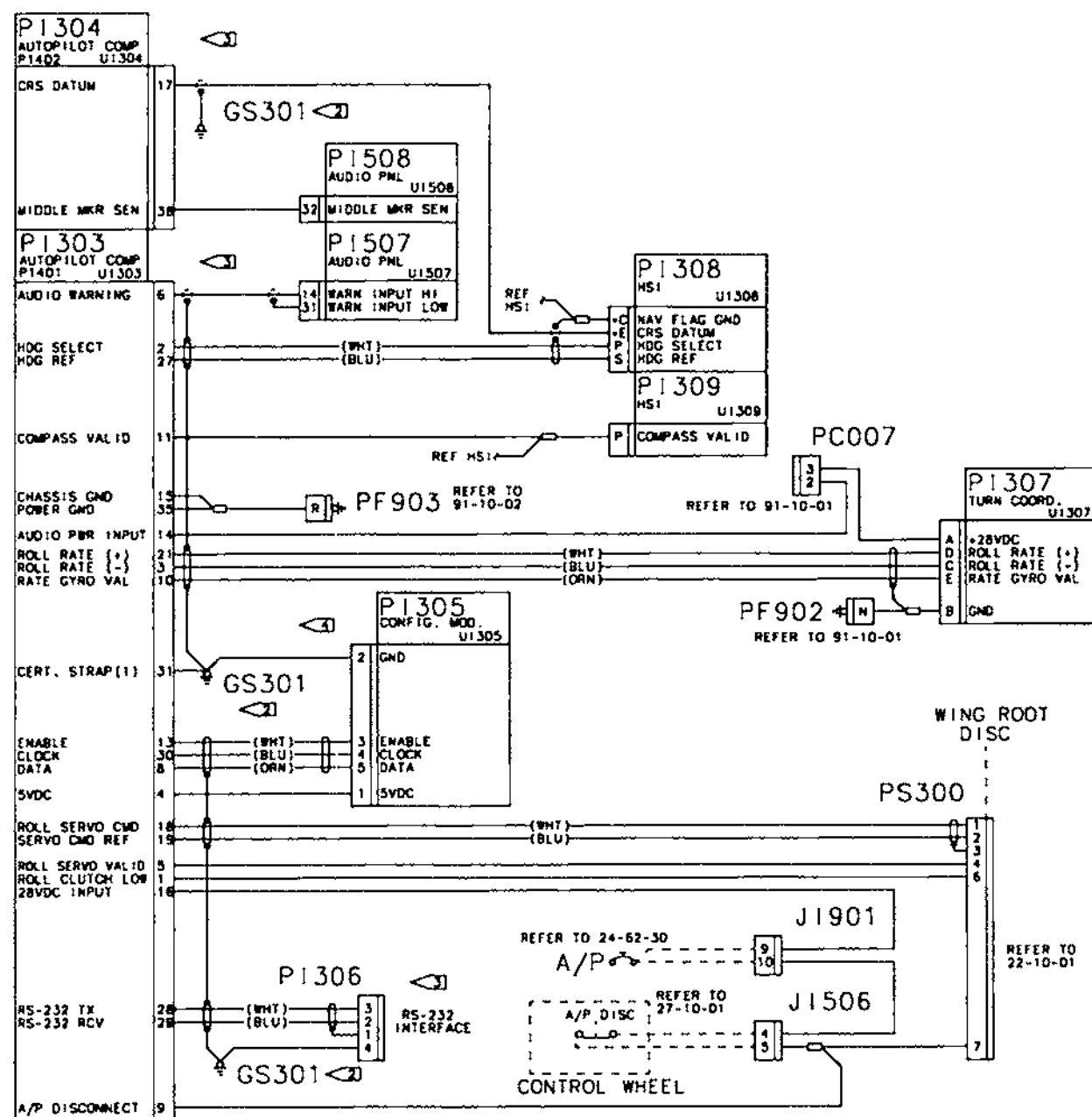
SINGLE AXIS AUTOPILOT
 Figure 01 (Sheet 2)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
		1 2 3 4 5 6 7		
01		SINGLE AXIS AUTOPILOT 17280001 THRU 17280830 172S8001 THRU 172S8347 NAV II		
GS301	3910276-2	GROUND STUD WING LEVELER COMPUTER (ZONE 225)		01
PI303	030-01175-0000	CONNECTOR WING LEVELER COMPUTER (ZONE 225)		01
	050-03375-0001	PART OF ALLIED SIGNAL KIT 050-03375-0001		
		CONNECTOR KIT		01
PI304	030-01176-0000	CONNECTOR AUTOPILOT COMPUTER DISCONNECT (ZONE 225)		01
		PART OF ALLIED SIGNAL KIT 050-03375-0001		
	050-03375-0000	CONNECTOR KIT		01
PI604	030-01176-0000	CONNECTOR KI209A INDICATOR DISCONNECT (ZONE 220)		01
	050-01550-0001	CONNECTOR KIT		01
PI900	S3070-9	CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01
	LMD6106P	BUSSING MODULE	V49367	01
	LMS01T-TL	SPLICE CONNECTOR	V49367	01
	S2353-5	PIN		AR
UI303		COMPUTER AUTO PILOT (ZONE 225)		RF
UI304		COMPUTER AUTO PILOT (ZONE 225)		RF
UI604	S3100-158	INDICATOR KI-209A (ZONE 210)	80780 & ON 8262 & ON	01

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL



NOTES:

- 1 ALL WIRE 22 AWG, EXCEPT AS NOTED.
- 2 GND STUD IS LOCATED ON THE BACK OF THE AUTOPILOT COMPUTER RACK.
- 3 PART OF ALLIED SIGNAL INSTL KIT 050-03375-0000.
- 4 PART OF ALLIED SIGNAL KIT 050-03245-0000.

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SINGLE AXIS AUTOPILOT
 Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

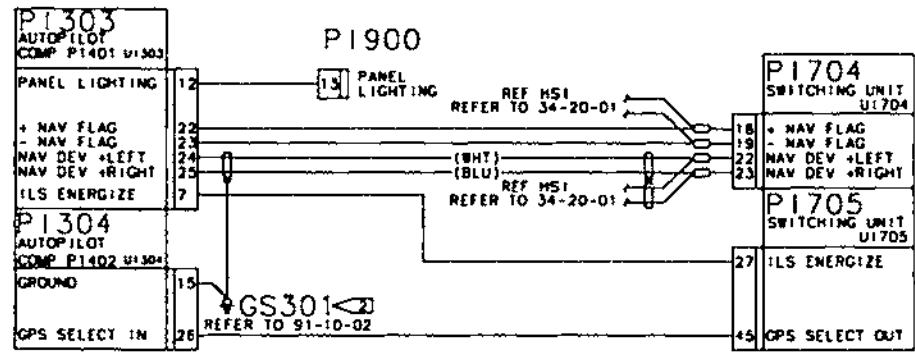
MODEL 172

WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
		1 2 3 4 5 6 7		
01		SINGLE AXIS AUTOPILOT		
		17280694 THRU 17280830		
		172S8113 HTRU 172S8347		
		NAV II W/HSI		
GS301	3910276-2	GROUND STUD WING LEVELER COMPUTER (ZONE 225)		01
J1506	S1641-6	CONNECTOR PILOT'S CONTROL WHEEL DISCONNECT (ZONE 220)		01
-	S1636-1	SOCKET		AR
J1901	S2350-3	CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01
-	S2353-5	PIN		AR
PC007	S1640-9	CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220)		01
-	S1635-1	PIN		AR
PF902	SK2701	CONNECTOR GROUND (ZONE 221)	V28198	01
-	FC116N2	CONTACT		AR
-	FC120N2	CONTACT	V28198	AR
PF903	SK2701	CONNECTOR (ZONE 221)	V28198	01
-	FC116N2	CONTACT	V28198	AR
-	FC120N2	CONTACT		AR
PI303	030-01175-0000	CONNECTOR WING LEVELER COMPUTER (ZONE 225)		01
-	050-03375-0001	PART OF ALLIED SIGNAL KIT 050-03375-0001		01
PI304	030-01176-0000	CONNECTOR KIT		01
-	050-03375-0000	CONNECTOR AUTOPILOT COMPUTER DISCONNECT (ZONE 225)		01
-	050-03375-0000	PART OF ALLIED SIGNAL KIT 050-03375-0001		01
PI305	030-01171-0000	CONNECTOR KIT		01
-	050-03245-0000	CONNECTOR CONFIGURATION MODULE DISCONNECT (ZONE 220)	V22373	01
-	050-03245-0000	PART OF ALLIED SIGNAL KIT 050-03245-0000		01
PI306	033-00230-0000	CONNECTOR KIT	V22373	01
-	050-03375-0000	CONNECTOR RS-232 INTERFACE (ZONE 120)		01
-	97-4106A14S-5S	PART OF ALLIED SIGNAL KIT 050-03375-0001		01
PI307	97-3057-1007-1	CONNECTOR KIT		01
-	9755-1622S-4	CONNECTOR TURN COORDINATOR DISCONNECT (ZONE 220)	V77820	01
-	030-02153-0000	BACKSHELL	V77820	01
PI308	050-01344-0002	SOCKET	V77820	AR
-	S2800-216	CONNECTOR HORIZONTAL SITUATION INDICATOR (ZONE 220)		01
-	030-02178-0000	CONNECTOR KIT		01
PI309	050-01344-0002	BACKSHELL		01
-	S2800-216	CONNECTOR HORIZONTAL SITUATION INDICATOR (ZONE 220)		01
PI507	050-03392-0000	CONNECTOR KIT		01
PI508	050-03392-0000	CONNECTOR KIT AUDIO PANEL (ZONE 225)		01
PS300	S1640-9	CONNECTOR KIT AUDIO PANEL (ZONE 225)		01
-	S1635-1	CONNECTOR ROLL SERVO ACTUATOR (ZONE 610)		01
UI303		CONTACT		AR
UI304		COMPUTER AUTO PILOT (ZONE 225)		RF
UI305		COMPUTER AUTO PILOT (ZONE 225)		RF
UI307		MODULE CONFIGURATION (ZONE 211)		RF
UI308	066-03046-0007	TURN COORDINATOR		RF
UI309	066-3046-07	INDICATOR HSI		01
UI507	066-01155-0201	INDICATOR HSI	V22373	01
		PANEL AUDIO (ZONE 225)	V22373	01
UI507	S3100-160	PANEL AUDIO (ZONE 225)	80602 80720 8001 8189 80721 80983 8190 8703	01
UI507	066-01176-0101	PANEL AUDIO (ZONE 225)	V22373 80984 & ON 8704 & ON	01
UI508		PANEL AUDIO		RF

- ITEM NOT ILLUSTRATED

NOTES:
1 ALL WIRE 22 AWG, EXCEPT AS NOTED.
2 GND STUD IS LOCATED ON THE BACK OF THE AUTOPILOT COMPUTER RACK.



3924112A2

SINGLE AXIS AUTOPILOT
Figure 01 (Sheet 2)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

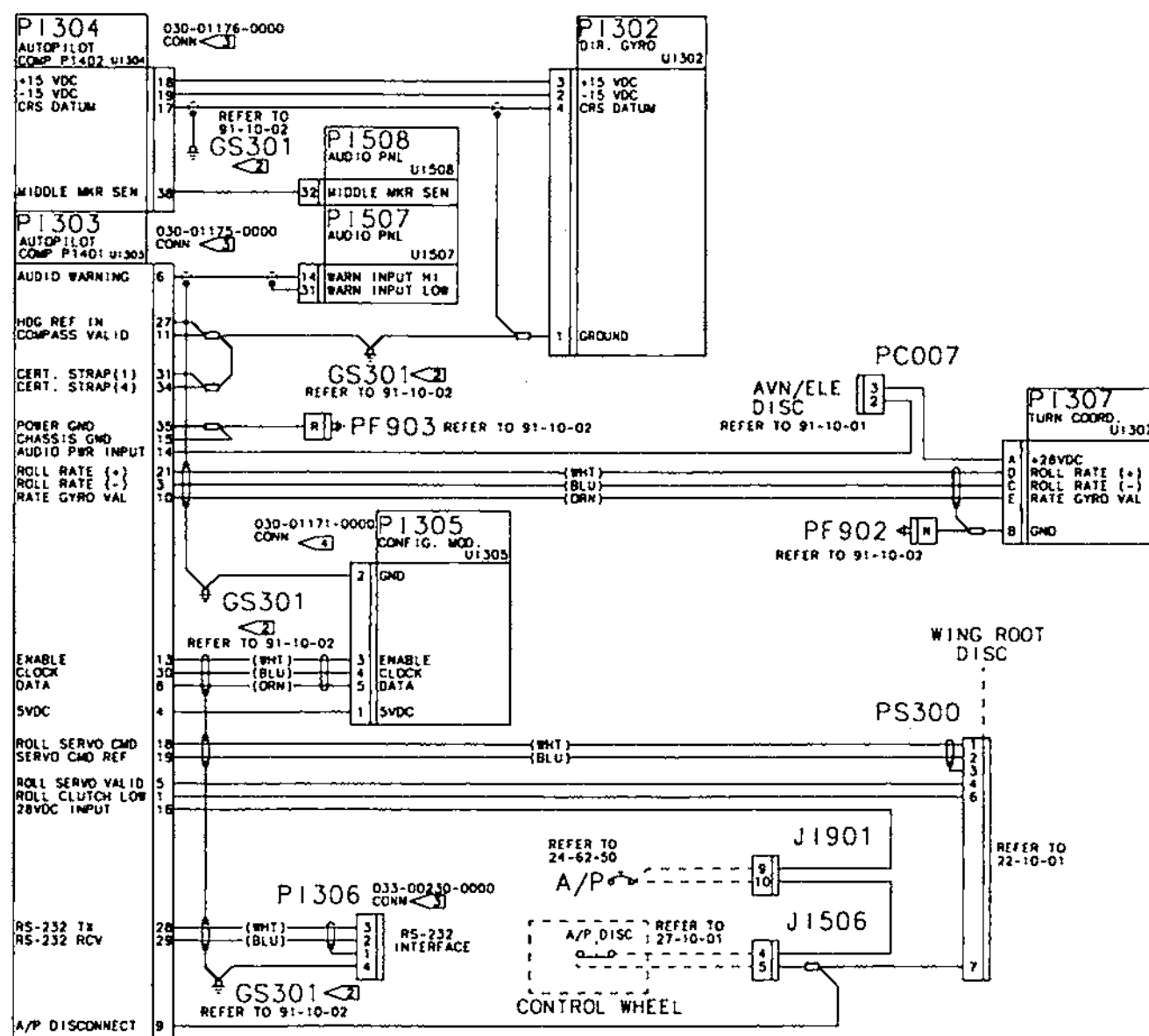
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
01			SINGLE AXIS AUTOPILOT 17280694 THRU 17280830 172S8113 THRU 172S8347 NAV II W/HSI		
	GS301	3910276-2	GROUND STUD WING LEVELER COMPUTER (ZONE 225)		01
	PI303	030-01175-0000	CONNECTOR WING LEVELER COMPUTER (ZONE 225)		01
		050-03375-0001	PART OF ALLIED SIGNAL KIT 050-03375-0001		
	PI304	030-01176-0000	CONNECTOR KIT		01
			CONNECTOR AUTOPILOT COMPUTER DISCONNECT (ZONE 225)		01
		050-03375-0000	PART OF ALLIED SIGNAL KIT 050-03375-0001		
	PI704	RD50F10JVL0	CONNECTOR KIT		01
			CONNECTOR RELAY SWITCHING UNIT (ZONE 221)	V26198 80694 & ON	01
	PI705	RD50M10JVL0	CONNECTOR RELAY SWITCHING UNIT (ZONE 221)	V29198 8113 & ON	01
				8113 & ON	
	PI900	S3070-9	CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01
		LMD6106P	BUSSING MODULE	V49367	01
		LMS01T-TL	SPLICE CONNECTOR	V49367	01
		S2353-5	PIN		AR
	UI303		COMPUTER AUTO PILOT (ZONE 225)		RF
	UI304		COMPUTER AUTO PILOT (ZONE 225)		RF
	UI704		SWITCHING UNIT		RF
	UI705		SWITCHING UNIT		RF

• ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

NOTES:

- 1 ALL WIRE 22 AWG. EXCEPT AS NOTED.
- 2 GND STUD IS LOCATED ON THE BACK OF THE AUTOPILOT COMPUTER RACK.
- 3 PART OF ALLIED SIGNAL INSTL KIT 050-03375-0000.
- 4 PART OF ALLIED SIGNAL KIT 050-03245-0000.



3924122A1

SINGLE AXIS AUTOPILOT
 Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

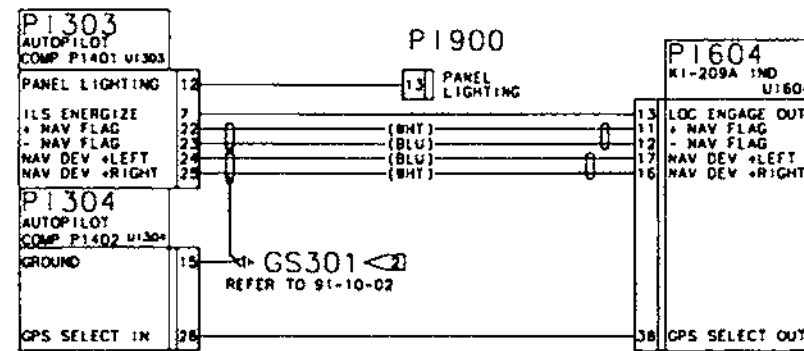
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
01			SINGLE AXIS AUTOPILOT		
			17280831 THRU 17280983		
			172S8348 THRU 172S8703		
			NAV II		
	GS301	3910276-2	GROUND STUD WING LEVELER COMPUTER (ZONE 225)		01
	J1506	S1641-6	CONNECTOR PILOT'S CONTROL WHEEL DISCONNECT (ZONE 220)		01
		S1635-1	SOCKET		AR
	J1901	S2350-3	CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01
		S2353-5	PIN		AR
	PC007	S1640-9	CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220)		01
		S1635-1	PIN		AR
	PF902	SK2701	CONNECTOR GROUND (ZONE 221)	V28198	01
		FC116N2	CONTACT		AR
		FC120N2	CONTACT	V28198	AR
	PF903	SK2701	CONNECTOR (ZONE 221)	V28198	01
		FC116N2	CONTACT	V28198	AR
		FC120N2	CONTACT		AR
	PI302	D01PB406NT-837	CONNECTOR DIRECTIONAL GYRO DISCONNECT (ZONE 220)	V50541	01
		YSK006-11AH	SOCKET	V50541	AR
	PI303	030-01175-0000	CONNECTOR WING LEVELER COMPUTER (ZONE 225)		01
		050-03375-0001	PART OF ALLIED SIGNAL KIT 050-03375-0001		
	PI304	030-01176-0000	CONNECTOR KIT		01
			CONNECTOR AUTOPILOT COMPUTER DISCONNECT (ZONE 225)		01
		050-03375-0000	PART OF ALLIED SIGNAL KIT 050-03375-0001		
	PI305	030-01171-0000	CONNECTOR KIT		01
			CONNECTOR CONFIGURATION MODULE DISCONNECT (ZONE 220)	V22373	01
		050-03245-0000	PART OF ALLIED SIGNAL KIT 050-03245-0000		
	PI306	033-00230-0000	CONNECTOR KIT	V22373	01
			CONNECTOR RS-232 INTERFACE (ZONE 120)		01
		050-03375-0000	PART OF ALLIED SIGNAL KIT 050-03375-0001		
	PI307	97-4106A14S-5S	CONNECTOR KIT		01
		97-3057-1007-1	CONNECTOR TURN COORDINATOR DISCONNECT (ZONE 220)	V77820	01
		9755-1622S-4	BACKSHELL	V77820	01
			SOCKET	V77820	AR
	PI507	050-03392-0000	CONNECTOR KIT AUDIO PANEL (ZONE 225)		01
	PI508	050-03392-0000	CONNECTOR KIT AUDIO PANEL (ZONE 225)		01
	PS300	S1640-9	CONNECTOR ROLL SERVO ACTUATOR (ZONE 610)		01
		S1635-1	CONTACT		AR
	UI302	S3330-1	GYRO DIRECTIONAL (ZONE 220)		01
	UI303		COMPUTER AUTO PILOT (ZONE 225)		RF
	UI304		COMPUTER AUTO PILOT (ZONE 225)		RF
	UI305		MODULE CONFIGURATION (ZONE 211)		RF
	UI307		TURN COORDINATOR		RF
	UI507	S3100-160	PANEL AUDIO (ZONE 225)	80721 80983	01
				8190 8703	
	UI507	066-01176-0101	PANEL AUDIO (ZONE 225)	V22373 80984 & ON	01
				8704 & ON	
	UI508		PANEL AUDIO		RF

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

NOTES:
 1 ALL WIRE 22 AWG, EXCEPT AS NOTED.
 2 GND STUD IS LOCATED ON THE BACK OF THE AUTOPILOT COMPUTER RACK.



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SINGLE AXIS AUTOPILOT
 Figure 01 (Sheet 2)

CESSNA AIRCRAFT COMPANY

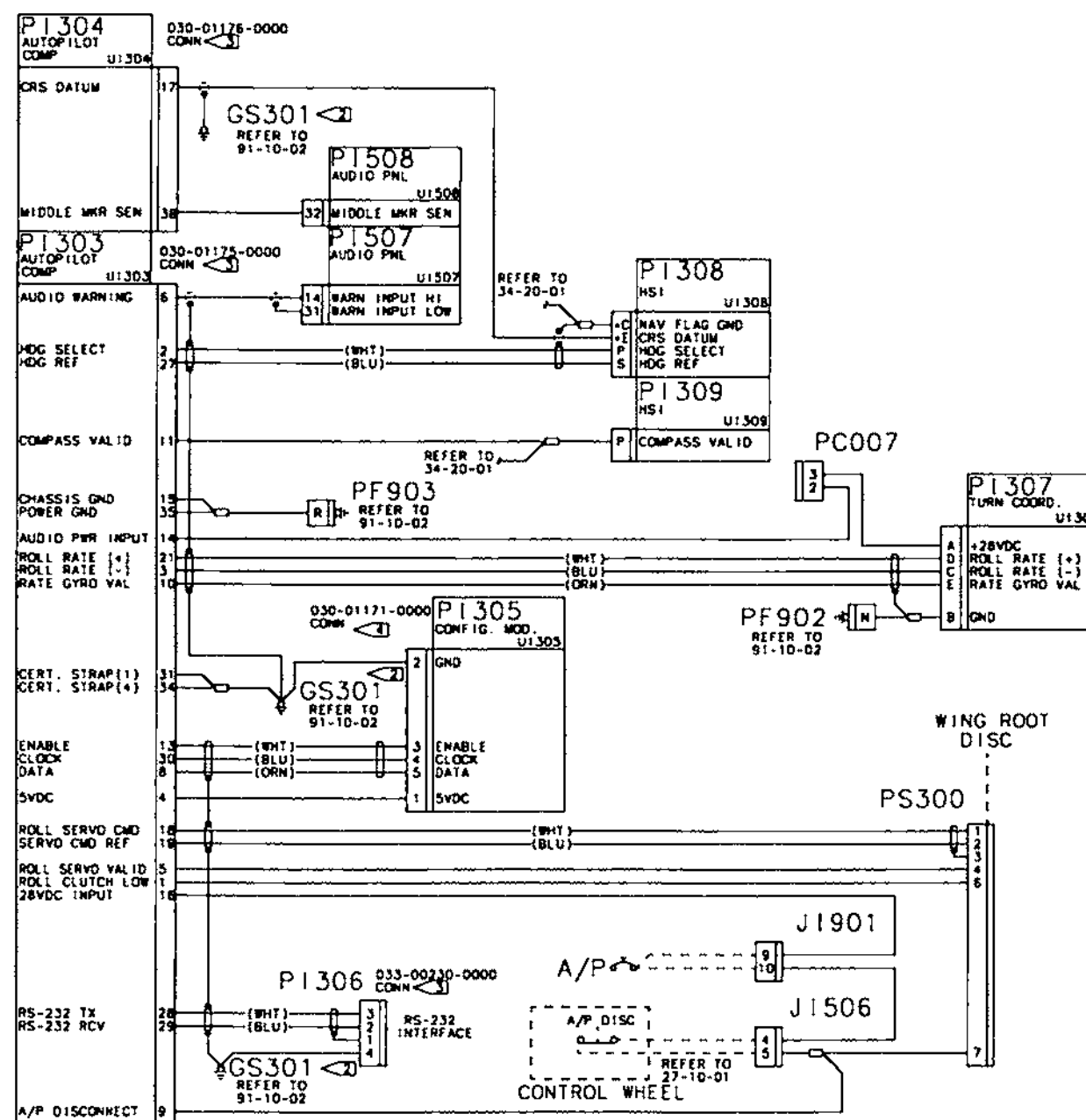
MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
		1234567			
01			SINGLE AXIS AUTOPILOT		
			17280831 THRU 17280983		
			172S8348 THRU 172S8703		
			NAV II		
GS301		3910276-2	GROUND STUD WING LEVELER COMPUTER (ZONE 225)		01
PI303		030-01175-0000	CONNECTOR WING LEVELER COMPUTER (ZONE 225)		01
			PART OF ALLIED SIGNAL KIT 050-03375-0001		
		050-03375-0001	CONNECTOR KIT		01
PI304		030-01176-0000	CONNECTOR AUTOPILOT COMPUTER DISCONNECT (ZONE 225)		01
			PART OF ALLIED SIGNAL KIT 050-03375-0001		
		050-03375-0000	CONNECTOR KIT		01
PI604		030-01176-0000	CONNECTOR KI209A INDICATOR DISCONNECT (ZONE 220)		01
		050-01550-0001	CONNECTOR KIT		01
PI900		S3070-9	CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01
		LMD6106P	BUSSING MODULE	V49367	01
		LMS01T-TL	SPLICE CONNECTOR	V49367	01
		S2353-5	PIN		AR
UI303			COMPUTER AUTO PILOT (ZONE 225)		RF
UI304			COMPUTER AUTO PILOT (ZONE 225)		RF
UI604		S3100-158	INDICATOR KI-209A (ZONE 210)	80780 & ON 8262 & ON	01

ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL



NOTES:

- 1 ALL WIRE 22 AWG, EXCEPT AS NOTED.
- 2 GND STUD IS LOCATED ON THE BACK OF THE AUTOPILOT COMPUTER RACK.
- 3 PART OF ALLIED SIGNAL INSTL KIT 050-03375-0000.
- 4 PART OF ALLIED SIGNAL KIT 050-03245-0000.

3924123A1

SINGLE AXIS AUTOPILOT
 Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
	DES			FROM TO	PER ASSY
01			SINGLE AXIS AUTOPILOT		
			17280831 THRU 17280983		
			172S8348 THRU 172S8703		
			NAV II W/HSI		
	GS301	3910276-2	GROUND STUD WING LEVELER COMPUTER (ZONE 225)		01
	J1506	S1641-6	CONNECTOR PILOT'S CONTROL WHEEL DISCONNECT (ZONE 220)		01
		S1636-1	SOCKET		AR
	J1901	S2350-3	CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01
		S2353-5	PIN		AR
	PC007	S1640-9	CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220)		01
		S1635-1	PIN		AR
	PF902	SK2701	CONNECTOR GROUND (ZONE 221)	V28198	01
		FC116N2	CONTACT		AR
		FC120N2	CONTACT	V28198	AR
	PF903	SK2701	CONNECTOR (ZONE 221)	V28198	01
		FC116N2	CONTACT	V28198	AR
		FC120N2	CONTACT	V28198	AR
	PI303	030-01175-0000	CONNECTOR WING LEVELER COMPUTER (ZONE 225)		01
			PART OF ALLIED SIGNAL KIT 050-03375-0001		
		050-03375-0001	CONNECTOR KIT		01
	PI304	030-01176-0000	CONNECTOR AUTOPILOT COMPUTER DISCONNECT (ZONE 225)		01
			PART OF ALLIED SIGNAL KIT 050-03375-0001		
		050-03375-0000	CONNECTOR KIT		01
	PI305	030-01171-0000	CONNECTOR CONFIGURATION MODULE DISCONNECT (ZONE 220)	V22373	01
			PART OF ALLIED SIGNAL KIT 050-03245-0000		
		050-03245-0000	CONNECTOR KIT	V22373	01
	PI306	033-00230-0000	CONNECTOR RS-232 INTERFACE (ZONE 120)		01
			PART OF ALLIED SIGNAL KIT 050-03375-0001		
		050-03375-0000	CONNECTOR KIT		01
	PI307	97-4106A14S-5S	CONNECTOR TURN COORDINATOR DISCONNECT (ZONE 220)	V77820	01
		97-3057-1007-1	BACKSHELL	V77820	01
		9755-1622S-4	SOCKET	V77820	AR
	PI308	030-02153-0000	CONNECTOR HORIZONTAL SITUATION INDICATOR (ZONE 220)		01
		050-01344-0002	CONNECTOR KIT		01
		S2800-216	BACKSHELL		01
	PI309	030-02178-0000	CONNECTOR HORIZONTAL SITUATION INDICATOR (ZONE 220)		01
		050-01344-0002	CONNECTOR KIT		01
		S2800-216	BACKSHELL		01
	PI507	050-03392-0000	CONNECTOR KIT AUDIO PANEL (ZONE 225)		01
	PI508	050-03392-0000	CONNECTOR KIT AUDIO PANEL (ZONE 225)		01
	PS300	S1640-9	CONNECTOR ROLL SERVO ACTUATOR (ZONE 610)		01
		S1635-1	CONTACT		AR
	UI303		COMPUTER AUTO PILOT (ZONE 225)		RF
	UI304		COMPUTER AUTO PILOT (ZONE 225)		RF
	UI305		MODULE CONFIGURATION (ZONE 211)		RF
	UI307		TURN COORDINATOR		RF
	UI308	066-03046-0007	INDICATOR HSI		01
	UI309	066-3046-07	INDICATOR HSI	V22373	01
	UI507	S3100-160	PANEL AUDIO (ZONE 225)	80721 80983	01
				8190 8703	
	UI507	066-01176-0101	PANEL AUDIO (ZONE 225)	V22373 80984 & ON	01
				8704 & ON	
	UI508		PANEL AUDIO		RF

- ITEM NOT ILLUSTRATED

Figure 01

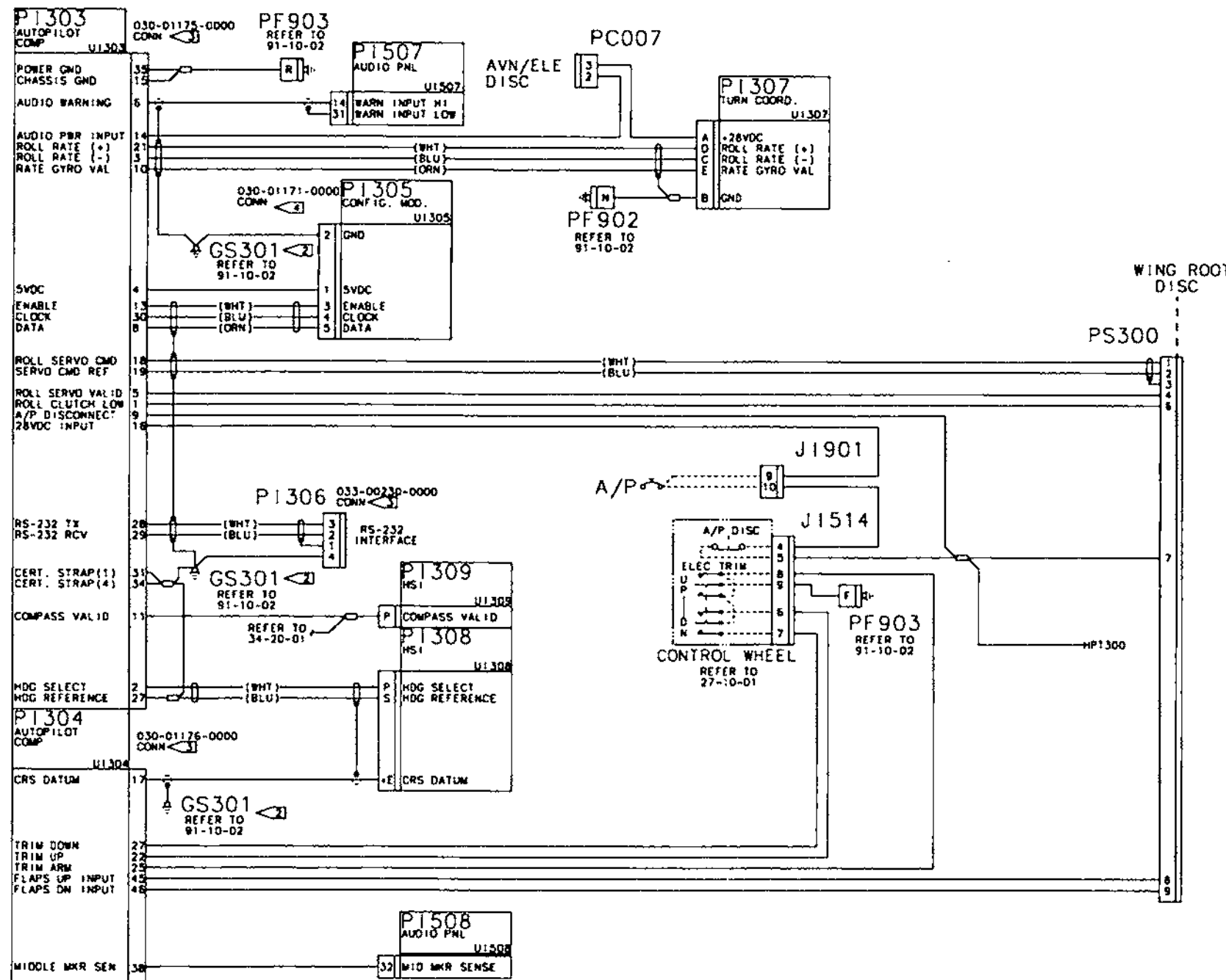
Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
		1 2 3 4 5 6 7		
01		SINGLE AXIS AUTOPILOT 17280831 THRU 17280983 172S8348 THRU 172S8703 NAV II W/HSI		
GS301	3910276-2	GROUND STUD WING LEVELER COMPUTER (ZONE 225)		01
PI303	030-01175-0000	CONNECTOR WING LEVELER COMPUTER (ZONE 225)		01
	050-03375-0001	PART OF ALLIED SIGNAL KIT 050-03375-0001		
PI304	030-01176-0000	CONNECTOR KIT		01
		CONNECTOR AUTOPILOT COMPUTER DISCONNECT (ZONE 225)		01
	050-03375-0000	PART OF ALLIED SIGNAL KIT 050-03375-0001		
PI704	RD50F10JVL0	CONNECTOR RELAY SWITCHING UNIT (ZONE 221)	V28198 80694 & ON 8113 & ON	01
PI705	RD50M10JVL0	CONNECTOR RELAY SWITCHING UNIT (ZONE 221)	V29198 80694 & ON 8113 & ON	01
PI900	S3070-9	CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01
-	LMD6106P	BUSSING MODULE	V49367	01
-	LMS01T-TL	SPLICE CONNECTOR	V49367	01
-	S2353-5	PIN		AR
UI303		COMPUTER AUTO PILOT (ZONE 225)		RF
UI304		COMPUTER AUTO PILOT (ZONE 225)		RF
UI704		SWITCHING UNIT		RF
UI705		SWITCHING UNIT		RF

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL



- NOTES:**
- 1 ALL WIRE 22 AWG. EXCEPT AS NOTED.
 - 2 GND STUD IS LOCATED ON THE BACK OF THE AUTOPILOT COMPUTER RACK.
 - 3 PART OF ALLIED SIGNAL INSTL KIT 050-03375-0001.
 - 4 PART OF ALLIED SIGNAL KIT 050-03245-0000.
 - 5 GND STUD IS LOCATED ON THE PITCH SERVO MOUNTING RACK.
 - 6 PART OF ALLIED SIGNAL INSTL KIT 050-00398-0000(2 REQ)
 - 7 GND STUD IS LOCATED ON THE PITCH TRIM SERVO MOUNTING RACK.

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DUAL AXIS AUTOPILOT
 Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

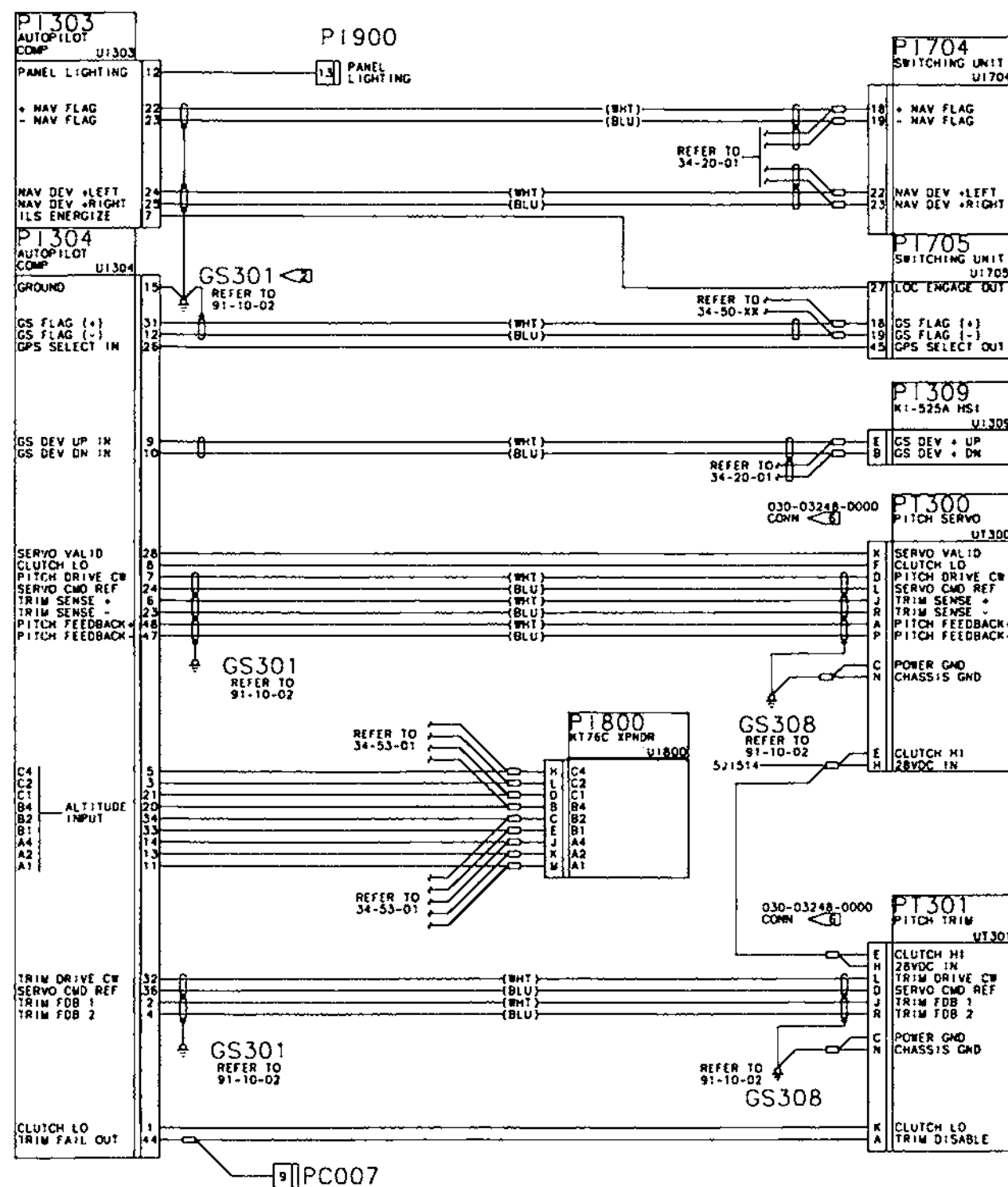
MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
		1 2 3 4 5 6 7			
01			DUAL AXIS AUTOPILOT		
			172S8348 THRU 172S8703		
			NAV II W/HSI		
GS301	3910276-2		GROUND STUD WING LEVELER COMPUTER (ZONE 225)		01
JI514	S1641-9		CONNECTOR PILOT'S CONTROL WHEEL DISCONNECT (ZONE 222)		01
	S1536-1		SOCKET		AR
JI901	S2350-3		CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01
	S2353-5		PIN		AR
PC007	S1640-9		CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220)		01
	S1635-1		PIN		AR
PF902	SK2701		CONNECTOR GROUND (ZONE 221) V28198		01
	FC116N2		CONTACT		AR
	FC120N2		CONTACT	V28198	AR
PF903	SK2701		CONNECTOR (ZONE 221) V28198		01
	FC116N2		CONTACT	V28198	AR
	FC120N2		CONTACT	V28198	AR
PI303	030-01175-0000		CONNECTOR WING LEVELER COMPUTER (ZONE 225)		01
			PART OF ALLIED SIGNAL KIT 050-03375-0001		
	050-03375-0001		CONNECTOR KIT		01
PI304	030-01176-0000		CONNECTOR AUTOPILOT COMPUTER DISCONNECT (ZONE 225)		01
			PART OF ALLIED SIGNAL KIT 050-03375-0001		
	050-03375-0000		CONNECTOR KIT		01
PI305	030-01171-0000		CONNECTOR CONFIGURATION MODULE DISCONNECT (ZONE 220) V22373		01
			PART OF ALLIED SIGNAL KIT 050-03245-0000		
	050-03245-0000		CONNECTOR KIT	V22373	01
PI306	033-00230-0000		CONNECTOR RS-232 INTERFACE (ZONE 120)		01
			PART OF ALLIED SIGNAL KIT 050-03375-0001		
	050-03375-0000		CONNECTOR KIT		01
PI307	97-4106A14S-5S		CONNECTOR TURN COORDINATOR DISCONNECT (ZONE 220) V77820		01
	97-3057-1007-1		BACKSHELL	V77820	01
	9755-1622S-4		SOCKET	V77820	AR
PI308	030-02153-0000		CONNECTOR HORIZONTAL SITUATION INDICATOR (ZONE 220)		01
	050-01344-0002		CONNECTOR KIT		01
	S2800-216		BACKSHELL		01
PI309	030-02178-0000		CONNECTOR HORIZONTAL SITUATION INDICATOR (ZONE 220)		01
	050-01344-0002		CONNECTOR KIT		01
	S2800-216		BACKSHELL		01
PI507	050-03392-0000		CONNECTOR KIT AUDIO PANEL (ZONE 225)		01
PI508	050-03392-0000		CONNECTOR KIT AUDIO PANEL (ZONE 225)		01
PS300	S1640-9		CONNECTOR ROLL SERVO ACTUATOR (ZONE 610)		01
	S1635-1		CONTACT		AR
UI303			COMPUTER AUTO PILOT (ZONE 225)		RF
UI304			COMPUTER AUTO PILOT (ZONE 225)		RF
UI305			MODULE CONFIGURATION (ZONE 211)		RF
UI307			TURN COORDINATOR		RF
UI308	066-03046-0007		INDICATOR HSI		01
UI309	066-3046-07		INDICATOR HSI V22373		01
UI507	066-01155-0201		PANEL AUDIO (ZONE 225) V22373	80602 80720	01
				8001 8189	
UI507	S3100-160		PANEL AUDIO (ZONE 225)	80721 80983	01
				8190 8703	
UI508			PANEL AUDIO		RF

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL



NOTES:

- 1 ALL WIRE 22 AWG. EXCEPT AS NOTED.
- 2 GND STUD IS LOCATED ON THE BACK OF THE AUTOPILOT COMPUTER RACK.
- 3 PART OF ALLIED SIGNAL INSTL KIT 050-03375-0001.
- 4 PART OF ALLIED SIGNAL KIT 050-03245-0000.
- 5 GND STUD IS LOCATED ON THE PITCH SERVO MOUNTING RACK.
- 6 PART OF ALLIED SIGNAL INSTL KIT 050-00398-0000(2 RED)
- 7 GND STUD IS LOCATED ON THE PITCH TRIM SERVO MOUNTING RACK.

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DUAL AXIS AUTOPILOT
 Figure 01 (Sheet 2)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

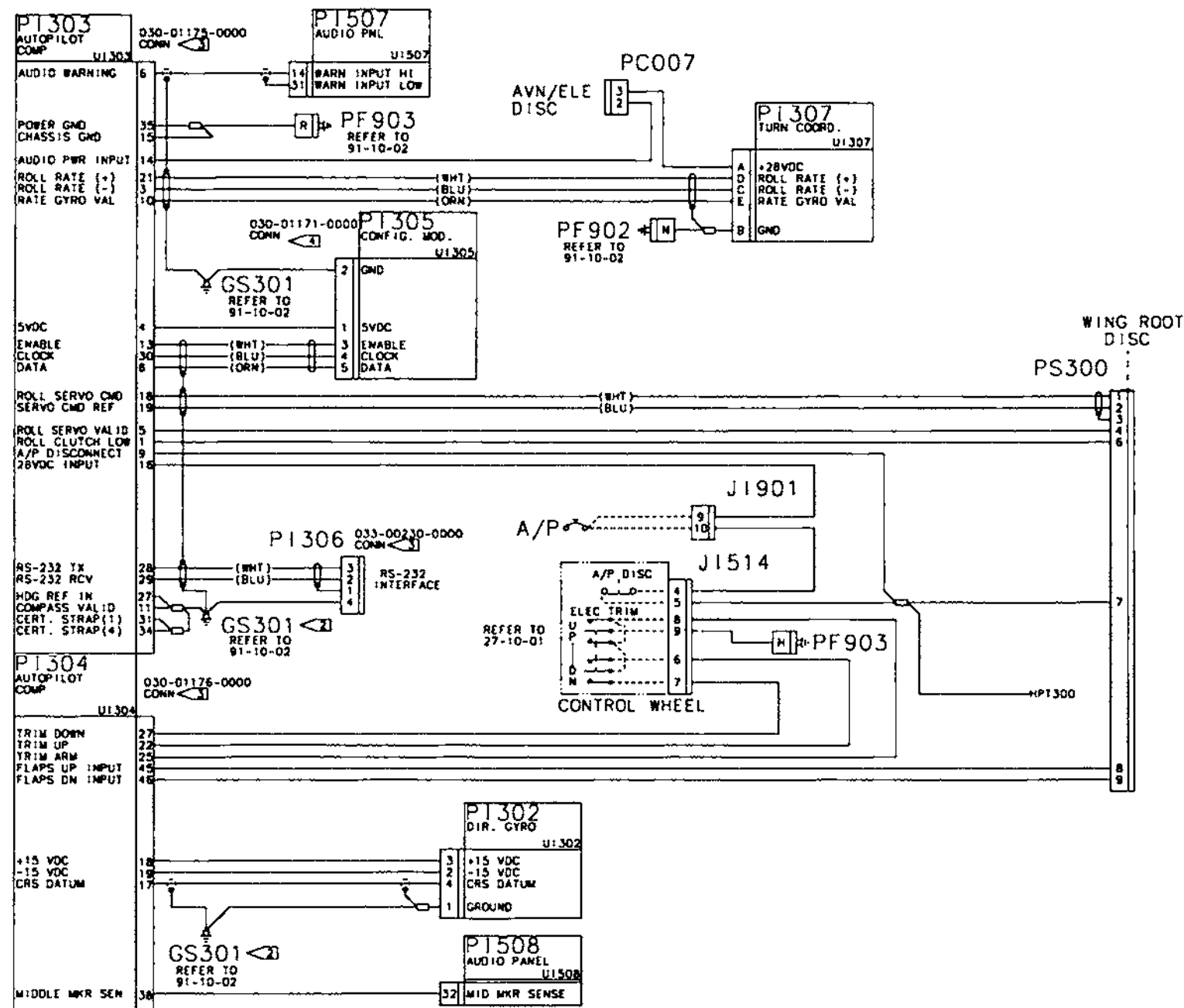
FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
		1 2 3 4 5 6 7		
01		DUAL AXIS AUTOPILOT 172S8348 THRU 172S8703 NAV II W/HSI		
GS301	3910276-2	GROUND STUD WING LEVELER COMPUTER (ZONE 225)		01
GS308	3910276-2	GROUND STUD (ZONE 211)		01
PC007	S1640-9	CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220).		01
	S1635-1	PIN		AR
PI303	030-01175-0000	CONNECTOR WING LEVELER COMPUTER (ZONE 225)		01
	050-03375-0001	PART OF ALLIED SIGNAL KIT 050-03375-0001		
PI304	030-01176-0000	CONNECTOR KIT		01
		CONNECTOR AUTOPILOT COMPUTER DISCONNECT (ZONE 225)		01
	050-03375-0000	PART OF ALLIED SIGNAL KIT 050-03375-0001		
		CONNECTOR KIT		01
PI309	030-02178-0000	CONNECTOR HORIZONTAL SITUATION INDICATOR (ZONE 220) .		01
	050-01344-0002	CONNECTOR KIT		01
	S2800-216	BACKSHELL		01
PI704	RD50F10JVL0	CONNECTOR RELAY SWITCHING UNIT (ZONE 221)	V28198 80694 & ON	01
			8113 & ON	
PI705	RD50M10JVL0	CONNECTOR RELAY SWITCHING UNIT (ZONE 221)	V29198 80694 & ON	01
			8113 & ON	
PI800	030-01094-0002	CONNECTOR TRANSPONDER DISCONNECT (ZONE 225)		01
	050-01577-0001	CONNECTOR KIT		01
PI900	S3070-9	CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01
	LMD6106P	BUSSING MODULE	V49367	01
	LMS01T-TL	SPLICE CONNECTOR	V49367	01
	S2353-5	PIN		AR
PT300	030-03248-0000	CONNECTOR PITCH TRIM ACTUATOR (ZONE 310)		01
	050-00398-0000	PART OF ALLIED SIGNAL KIT 050-00398-0000		
PT301	030-03248-0000	CONNECTOR KIT		02
		CONNECTOR PITCH TRIM ACTUATOR (ZONE 310)		01
	050-00398-0000	PART OF ALLIED SIGNAL KIT 050-00398-0000		
		CONNECTOR KIT		02
UI303		COMPUTER AUTO PILOT (ZONE 225)		RF
UI304		COMPUTER AUTO PILOT (ZONE 225)		RF
UI309	066-3046-07	INDICATOR HSI	V22373	01
UI704		SWITCHING UNIT		RF
UI705		SWITCHING UNIT		RF
UI800	066-01156-0101	TRANSPONDER KT-76C (ZONE 225)		01
UT300	065-00178-2200	ACTUATOR PITCH TRIM (ZONE 310)	8348 8422	01
UT300	S3100-180	ACTUATOR PITCH SERVO (ZONE 310)	80888 81110	01
			8423 9068	
UT301	065-00180-0400	ACTUATOR PITCH TRIM (ZONE 310)	V22373 80984 & ON	01
			8348 8422	
UT301	S3100-180	ACTUATOR PITCH TRIM (ZONE 310)	80888 81110	01
			8423 9068	

• ITEM NOT ILLUSTRATED

Figure 01

Page 3

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL



NOTES:

1. ALL WIRE 22 AWG, EXCEPT AS NOTED.
2. GND STUD IS LOCATED ON THE BACK OF THE AUTOPILOT COMPUTER RACK.
3. PART OF ALLIED SIGNAL INSTL KIT 050-03375-0001.
4. PART OF ALLIED SIGNAL KIT 050-03245-0000.
5. GND STUD IS LOCATED ON THE PITCH SERVO MOUNTING RACK.
6. PART OF ALLIED SIGNAL INSTL KIT 050-00398-0000(2 REQ)

3924126_1

DUAL AXIS AUTOPILOT
 Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

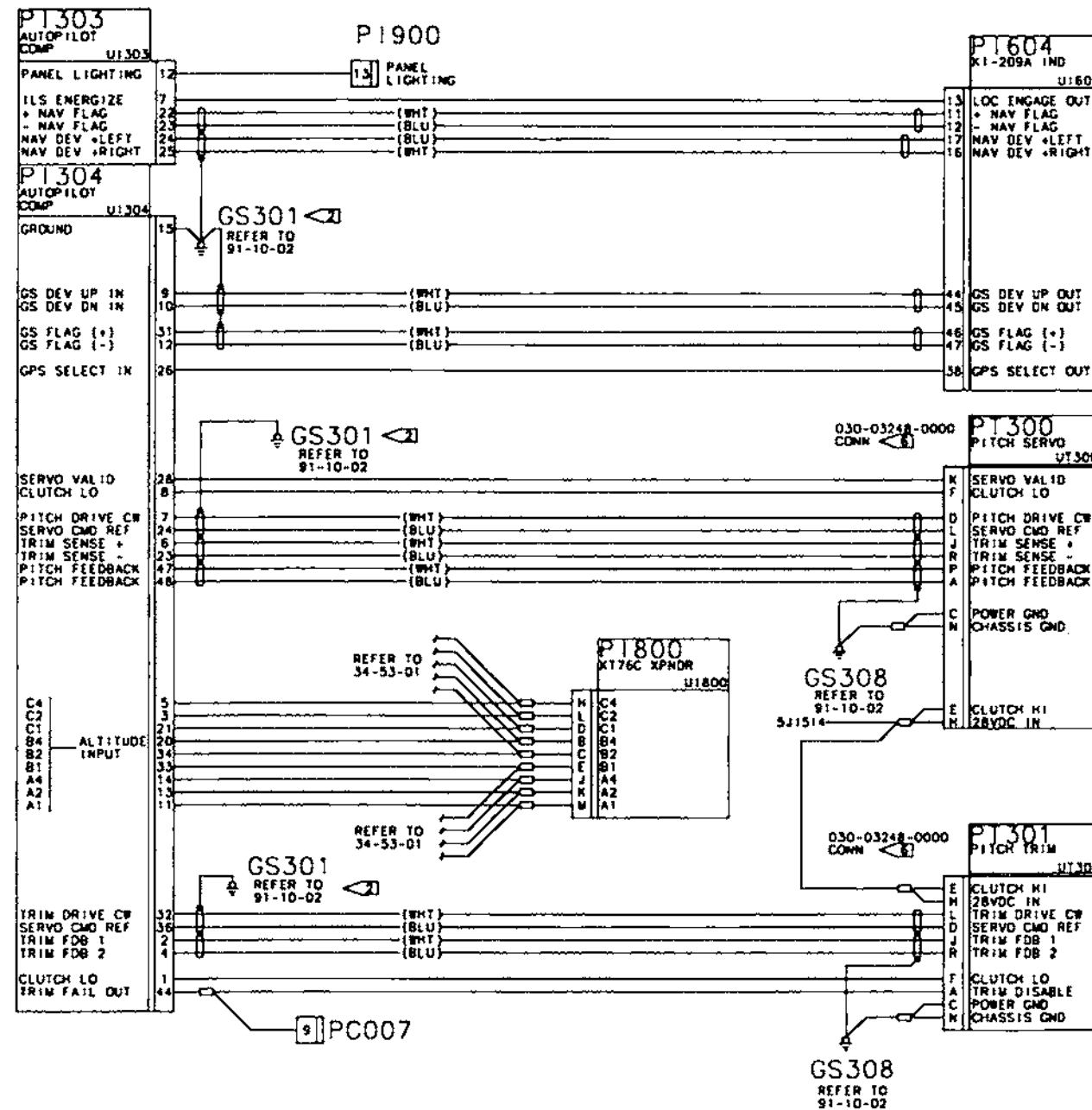
MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES			1 2 3 4 5 6 7	FROM TO	PER ASSY
01			DUAL AXIS AUTOPILOT		
			172S8348 THRU 172S8703		
			NAV II		
GS301	3910276-2		GROUND STUD WING LEVELER COMPUTER (ZONE 225)		01
J1514	S1641-9		CONNECTOR PILOT'S CONTROL WHEEL DISCONNECT (ZONE 222)		01
	S1636-1		SOCKET		AR
J1901	S2350-3		CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01
	S2353-5		PIN		AR
PC007	S1640-9		CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220)		01
	S1635-1		PIN		AR
PF902	SK2701		CONNECTOR GROUND (ZONE 221) V28198		01
	FC116N2		CONTACT		AR
	FC120N2		CONTACT		AR
PF903	SK2701		CONNECTOR (ZONE 221) V28198		01
	FC116N2		CONTACT		AR
	FC120N2		CONTACT		AR
PI302	D01PB406NT-837		CONNECTOR DIRECTIONAL GYRO DISCONNECT (ZONE 220) V50541		01
	YSK006-11AH		SOCKET		AR
PI303	030-01175-0000		CONNECTOR WING LEVELER COMPUTER (ZONE 225) V50541		01
			PART OF ALLIED SIGNAL KIT 050-03375-0001		
	050-03375-0001		CONNECTOR KIT		01
PI304	030-01176-0000		CONNECTOR AUTOPILOT COMPUTER DISCONNECT (ZONE 225)		01
			PART OF ALLIED SIGNAL KIT 050-03375-0001		
	050-03375-0000		CONNECTOR KIT		01
PI305	030-01171-0000		CONNECTOR CONFIGURATION MODULE DISCONNECT (ZONE 220) V22373		01
			PART OF ALLIED SIGNAL KIT 050-03245-0000		
	050-03245-0000		CONNECTOR KIT		01
PI306	033-00230-0000		CONNECTOR RS-232 INTERFACE (ZONE 120) V22373		01
			PART OF ALLIED SIGNAL KIT 050-03375-0001		
	050-03375-0000		CONNECTOR KIT		01
PI307	97-4106A14S-5S		CONNECTOR TURN COORDINATOR DISCONNECT (ZONE 220) V77820		01
	97-3057-1007-1		BACKSHELL		01
	9755-1622S-4		SOCKET		AR
PI507	050-03392-0000		CONNECTOR KIT AUDIO PANEL (ZONE 225) V77820		01
PI508	050-03392-0000		CONNECTOR KIT AUDIO PANEL (ZONE 225)		01
PS300	S1640-9		CONNECTOR ROLL SERVO ACTUATOR (ZONE 610)		01
	S1635-1		CONTACT		AR
UI302	S3330-1		GYRO DIRECTIONAL (ZONE 220)		01
UI303			COMPUTER AUTO PILOT (ZONE 225)		RF
UI304			COMPUTER AUTO PILOT (ZONE 225)		RF
UI305			MODULE CONFIGURATION (ZONE 211)		RF
UI307			TURN COORDINATOR		RF
UI507	S3100-160		PANEL AUDIO (ZONE 225)	80721 80983	01
				8190 8703	
UI508			PANEL AUDIO		RF

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL



NOTES:

- 1 ALL WIRE 22 AWG, EXCEPT AS NOTED.
- 2 GND STUD IS LOCATED ON THE BACK OF THE AUTOPILOT COMPUTER RACK.
- 3 PART OF ALLIED SIGNAL INSTL KIT 050-03375-0001.
- 4 PART OF ALLIED SIGNAL KIT 050-03245-0000.
- 5 GND STUD IS LOCATED ON THE PITCH SERVO MOUNTING RACK.
- 6 PART OF ALLIED SIGNAL INSTL KIT 050-00398-0000(2 REQ)
- 7 GND STUD IS LOCATED ON THE PITCH TRIM SERVO MOUNTING RACK.

3924126_2

DUAL AXIS AUTOPILOT
 Figure 01 (Sheet 2)

CESSNA AIRCRAFT COMPANY

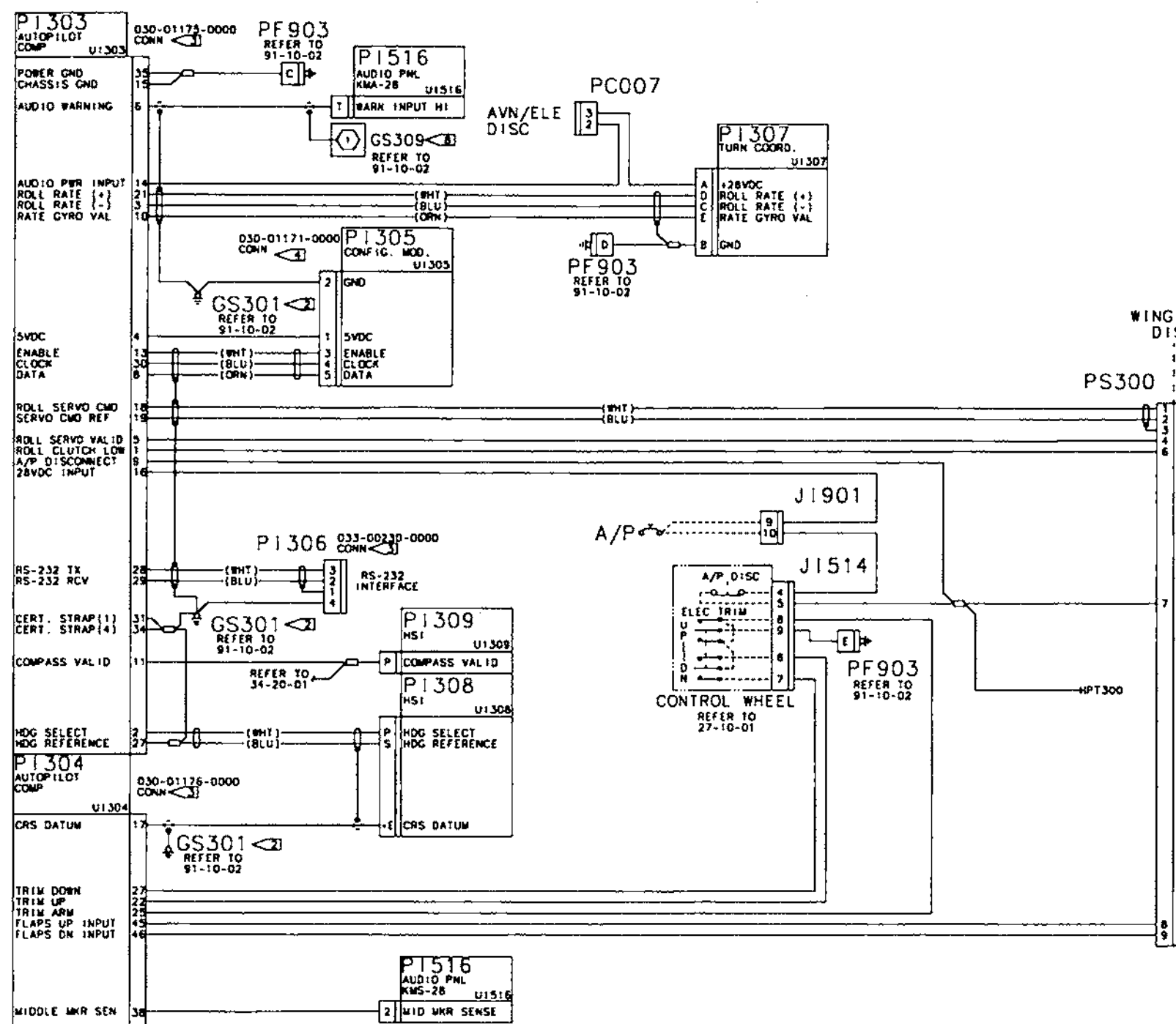
MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
			1 2 3 4 5 6 7		ASSY
01			DUAL AXIS AUTOPILOT		
			172S8348 THRU 172S8703		
			NAV II		
	GS301	3910276-2	. GROUND STUD WING LEVELER COMPUTER (ZONE 225)		01
	GS308	3910276-2	. GROUND STUD (ZONE 211)		01
	PC007	S1640-9	. CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220).		01
		S1635-1	. . PIN		AR
	PI303	030-01175-0000	. CONNECTOR WING LEVELER COMPUTER (ZONE 225)		01
			PART OF ALLIED SIGNAL KIT 050-03375-0001		
		050-03375-0001	CONNECTOR KIT		01
	PI304	030-01176-0000	. CONNECTOR AUTOPILOT COMPUTER DISCONNECT (ZONE		01
			225)		
			PART OF ALLIED SIGNAL KIT 050-03375-0001		
		050-03375-0000	CONNECTOR KIT		01
	PI604	030-01176-0000	. CONNECTOR KI209A INDICATOR DISCONNECT (ZONE 220)		01
		050-01550-0001	CONNECTOR KIT		01
	PI800	030-01094-0002	. CONNECTOR TRANSPONDER DISCONNECT (ZONE 225)		01
		050-01577-0001	CONNECTOR KIT		01
	PI900	S3070-9	. CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01
		LMD6106P	. . BUSSING MODULE	V49367	01
		LMS01T-TL	. . SPLICE CONNECTOR	V49367	01
		S2353-5	. . PIN		AR
	PT300	030-03248-0000	. CONNECTOR PITCH TRIM ACTUATOR (ZONE 310)		01
			PART OF ALLIED SIGNAL KIT 050-00398-0000		
		050-00398-0000	CONNECTOR KIT		02
	PT301	030-03248-0000	. CONNECTOR PITCH TRIM ACTUATOR (ZONE 310)		01
			PART OF ALLIED SIGNAL KIT 050-00398-0000		
		050-00398-0000	CONNECTOR KIT		02
	UI303		. COMPUTER AUTO PILOT (ZONE 225)		RF
	UI304		. COMPUTER AUTO PILOT (ZONE 225)		RF
	UI604	S3100-158	. INDICATOR KI-209A (ZONE 210)	80780 & ON	01
				8262 & ON	
	UI800	066-01156-0101	. TRANSPONDER KT-76C (ZONE 225)		01
	UT300	065-00178-2200	. ACTUATOR PITCH TRIM (ZONE 310)	8348 8422	01
	UT300	S3100-180	. ACTUATOR PITCH SERVO (ZONE 310)	80888 81110	01
				8423 9068	
	UT301	065-00180-0400	. ACTUATOR PITCH TRIM (ZONE 310)	V22373 80984 & ON	01
				8348 8422	
	UT301	S3100-180	. ACTUATOR PITCH TRIM (ZONE 310)	80888 81110	01
				8423 9068	

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL



- NOTES:**
- 1 ALL WIRE 22 AWG, EXCEPT AS NOTED.
 - 2 GND STUD IS LOCATED ON THE BACK OF THE AUTOPILOT COMPUTER RACK.
 - 3 PART OF ALLIED SIGNAL INSTL KIT 050-03375-0001.
 - 4 PART OF ALLIED SIGNAL KIT 050-03245-0000.
 - 5 GND STUD IS LOCATED ON THE PITCH SERVO MOUNTING RACK.
 - 6 PART OF ALLIED SIGNAL INSTL KIT 050-00398-0000(2 REQ)
 - 7 GND STUD IS LOCATED ON THE PITCH TRIM SERVO MOUNTING RACK.
 - 8 GND STUD IS LOCATED ON THE BACK OF THE AUDIO PANEL RACK

3924127_1

DUAL AXIS AUTOPILOT
 Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

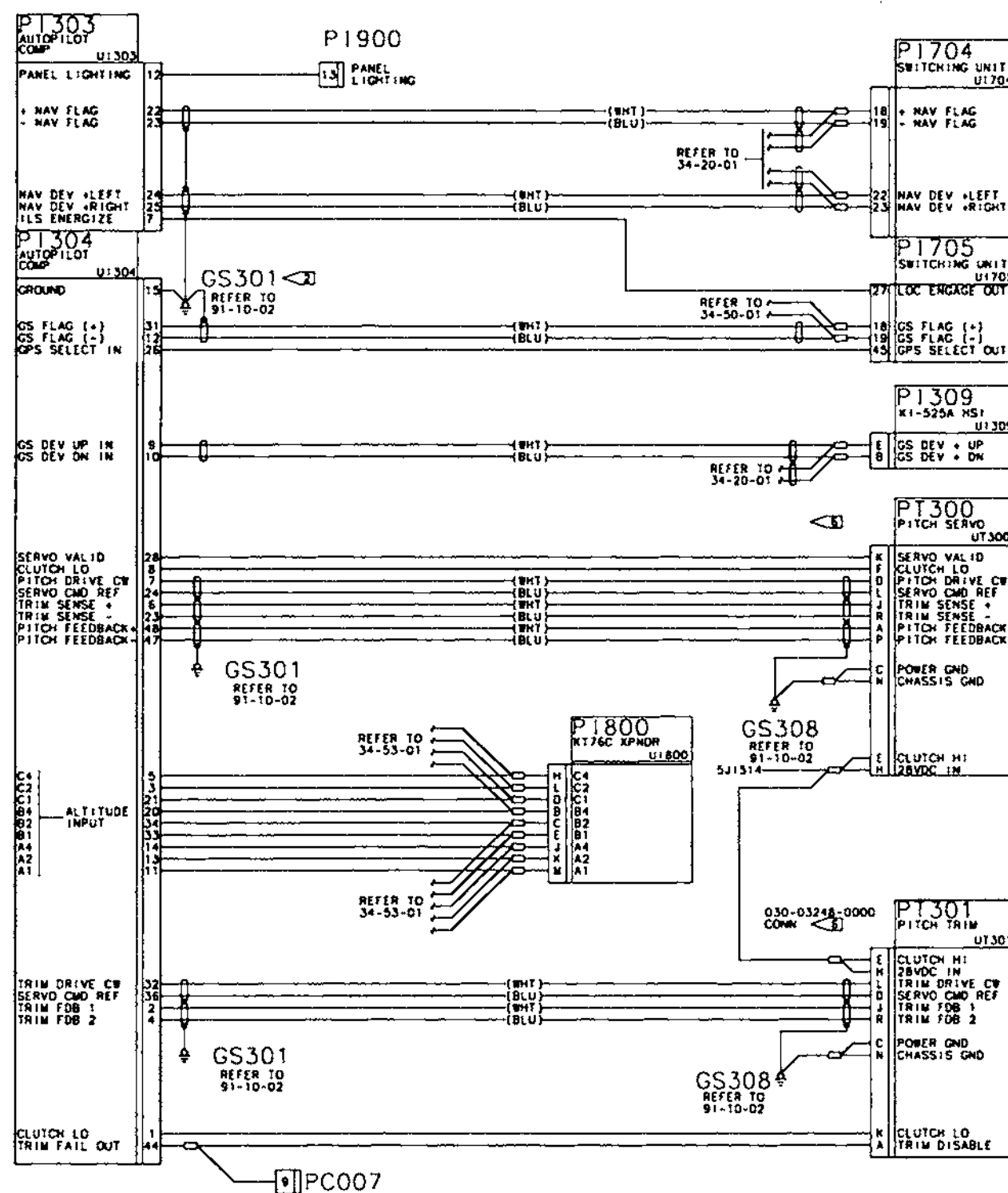
MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
		1 2 3 4 5 6 7			
01			DUAL AXIS AUTOPILOT		
			17280984 & ON		
			172S8703 & ON		
			NAV II W/HSI		
	GS301	3910276-2	. GROUND STUD WING LEVELER COMPUTER (ZONE 225)		01
	GS309	3910276-2	. GROUND STUD (ZONE 225)		01
	J1514	S1641-9	. CONNECTOR PILOT'S CONTROL WHEEL DISCONNECT (ZONE 222)		01
		S1636-1	. . SOCKET		AR
	J1901	S2350-3	. CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01
		S2353-5	. . PIN		AR
	PC007	S1640-9	. CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220).		01
		S1635-1	. . PIN		AR
	PF903	SK2701	. CONNECTOR (ZONE 221)	V28198	01
		FC116N2	. . CONTACT	V28198	AR
		FC120N2	. . CONTACT		AR
	PI303	030-01175-0000	. CONNECTOR WING LEVELER COMPUTER (ZONE 225)		01
			PART OF ALLIED SIGNAL KIT 050-03375-0001		
		050-03375-0001	. CONNECTOR KIT		01
	PI304	030-01176-0000	. CONNECTOR AUTOPILOT COMPUTER DISCONNECT (ZONE 225)		01
			PART OF ALLIED SIGNAL KIT 050-03375-0001		
		050-03375-0000	. CONNECTOR KIT		01
	PI305	030-01171-0000	. CONNECTOR CONFIGURATION MODULE DISCONNECT (ZONE 220)	V22373	01
			PART OF ALLIED SIGNAL KIT 050-03245-0000		
		050-03245-0000	. CONNECTOR KIT	V22373	01
	PI306	033-00230-0000	. CONNECTOR RS-232 INTERFACE (ZONE 120)		01
			PART OF ALLIED SIGNAL KIT 050-03375-0001		
		050-03375-0000	. CONNECTOR KIT		01
	PI307	97-4106A14S-5S	. CONNECTOR TURN COORDINATOR DISCONNECT (ZONE 220).	V77820	01
		97-3057-1007-1	. . BACKSHELL	V77820	01
		9755-1622S-4	. . SOCKET	V77820	AR
	PI308	030-02153-0000	. CONNECTOR HORIZONTAL SITUATION INDICATOR (ZONE 220)		01
		050-01344-0002	. CONNECTOR KIT		01
		S2800-216	. . BACKSHELL		01
	PI309	030-02178-0000	. CONNECTOR HORIZONTAL SITUATION INDICATOR (ZONE 220)		01
		050-01344-0002	. CONNECTOR KIT		01
		S2800-216	. . BACKSHELL		01
	PI516	030-01094-0058	. CONNECTOR AUDIO PANEL DISCONNECT (ZONE 225)		01
		050-03613-0001	. CONNECTOR KIT		01
	PS300	S1640-9	. CONNECTOR ROLL SERVO ACTUATOR (ZONE 610).		01
		S1635-1	. . CONTACT		AR
	UI303		. COMPUTER AUTO PILOT (ZONE 225)		RF
	UI304		. COMPUTER AUTO PILOT (ZONE 225)		RF
	UI305		. MODULE CONFIGURATION (ZONE 211)		RF
	UI307		. TURN COORDINATOR		RF
	UI308	066-03046-0007	. INDICATOR HSI		01
	UI309	066-3046-07	. INDICATOR HSI	V22373	01
	UI516	3910310-19	. AUDIO PANEL KMA-28	80984 & ON 8704 & ON	01

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL



NOTES:

1. ALL WIRE 22 AWG, EXCEPT AS NOTED.
2. GND STUD IS LOCATED ON THE BACK OF THE AUTOPILOT COMPUTER RACK.
3. PART OF ALLIED SIGNAL INSTL KIT 050-03375-0001.
4. PART OF ALLIED SIGNAL KIT 050-03245-0000.
5. GND STUD IS LOCATED ON THE PITCH SERVO MOUNTING RACK.
6. PART OF ALLIED SIGNAL INSTL KIT 050-00398-0000(2 REQ)
7. GND STUD IS LOCATED ON THE PITCH TRIM SERVO MOUNTING RACK.
8. GND STUD IS LOCATED ON THE BACK OF THE AUDIO PANEL RACK.

3924127_2

DUAL AXIS AUTOPILOT
 Figure 01 (Sheet 2)

CESSNA AIRCRAFT COMPANY

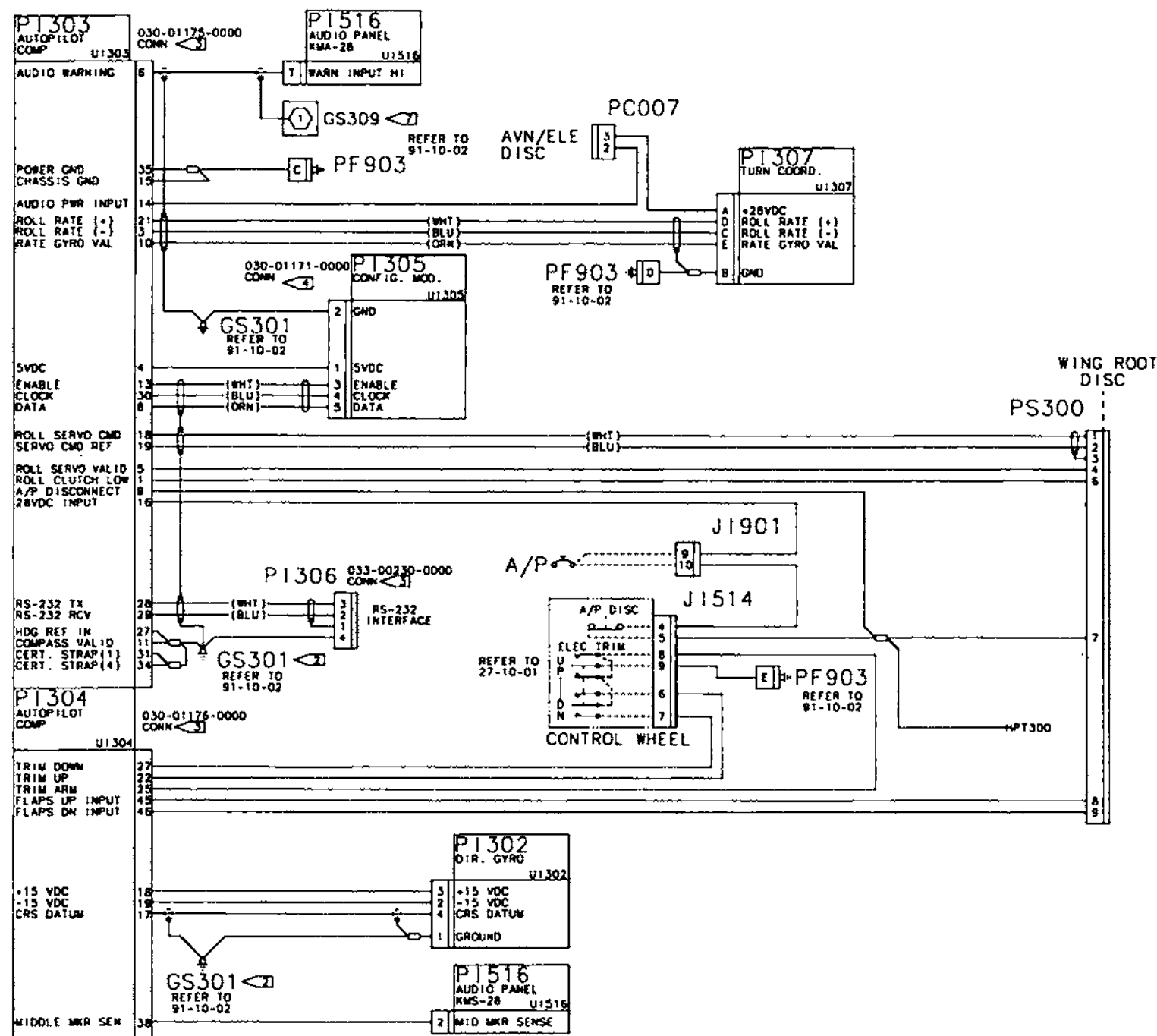
MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
01			DUAL AXIS AUTOPILOT		
			17280984 & ON		
			172S8703 & ON		
			NAV II W/HSI		
GS301	3910276-2		GROUND STUD WING LEVELER COMPUTER (ZONE 225)		01
GS308	3910276-2		GROUND STUD (ZONE 211)		01
PC007	S1640-9		CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220).		01
	S1635-1		. . . PIN		AR
PI303	030-01175-0000		CONNECTOR WING LEVELER COMPUTER (ZONE 225)		01
			PART OF ALLIED SIGNAL KIT 050-03375-0001		
	050-03375-0001		CONNECTOR KIT		01
PI304	030-01176-0000		CONNECTOR AUTOPILOT COMPUTER DISCONNECT (ZONE		01
			225)		
			PART OF ALLIED SIGNAL KIT 050-03375-0001		
	050-03375-0000		CONNECTOR KIT		01
PI309	030-02178-0000		CONNECTOR HORIZONTAL SITUATION INDICATOR (ZONE 220) .		01
	050-01344-0002		CONNECTOR KIT		01
	S2800-216		. . BACKSHELL		01
PI704	RD50F10JVL0		CONNECTOR RELAY SWITCHING UNIT (ZONE 221)	V28198 80694 & ON	01
				8113 & ON	
PI705	RD50M10JVL0		CONNECTOR RELAY SWITCHING UNIT (ZONE 221)	V28198 80694 & ON	01
				8113 & ON	
PI800	030-01094-0002		CONNECTOR TRANSPONDER DISCONNECT (ZONE 225)		01
	050-01577-0001		CONNECTOR KIT		01
PI900	S3070-9		CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01
	LMD6106P		. . BUSSING MODULE	V49367	01
	LMS01T-TL		. . SPLICE CONNECTOR	V49367	01
	S2353-5		. . PIN		AR
PT300	030-03248-0000		CONNECTOR PITCH TRIM ACTUATOR (ZONE 310)		01
			PART OF ALLIED SIGNAL KIT 050-00398-0000		
	050-00398-0000		CONNECTOR KIT		02
PT301	030-03248-0000		CONNECTOR PITCH TRIM ACTUATOR (ZONE 310)		01
			PART OF ALLIED SIGNAL KIT 050-00398-0000		
	050-00398-0000		CONNECTOR KIT		02
UI303			COMPUTER AUTO PILOT (ZONE 225)		RF
UI304			COMPUTER AUTO PILOT (ZONE 225)		RF
UI309	066-3046-07		INDICATOR HSI	V22373	01
UI704			SWITCHING UNIT		RF
UI705			SWITCHING UNIT		RF
UI800	066-01156-0101		TRANSPONDER KT-76C (ZONE 225)		01
UT300	S3100-180		ACTUATOR PITCH SERVO (ZONE 310)	80888 81110	01
				8423 9068	
UT300	S3100-253		ACTUATOR PITCH SERVO (ZONE 310)	81111 & ON	01
				9069 & ON	
UT301	S3100-253		ACTUATOR PITCH TRIM (ZONE 310)	81111 & ON	01
				9069 & ON	

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL



NOTES:

1. ALL WIRE 22 AWG, EXCEPT AS NOTED.
2. GND STUD IS LOCATED ON THE BACK OF THE AUTOPILOT COMPUTER RACK.
3. PART OF ALLIED SIGNAL INSTL KIT 050-03375-0001.
4. PART OF ALLIED SIGNAL KIT 050-03245-0000.
5. GND STUD IS LOCATED ON THE PITCH SERVO MOUNTING RACK.
6. PART OF ALLIED SIGNAL INSTL KIT 050-00398-0000(2 REQ)
7. GND STUD IS LOCATED ON THE BACK OF THE AUDIO PANEL RACK.

3924130A1

DUAL AXIS AUTOPILOT
 Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

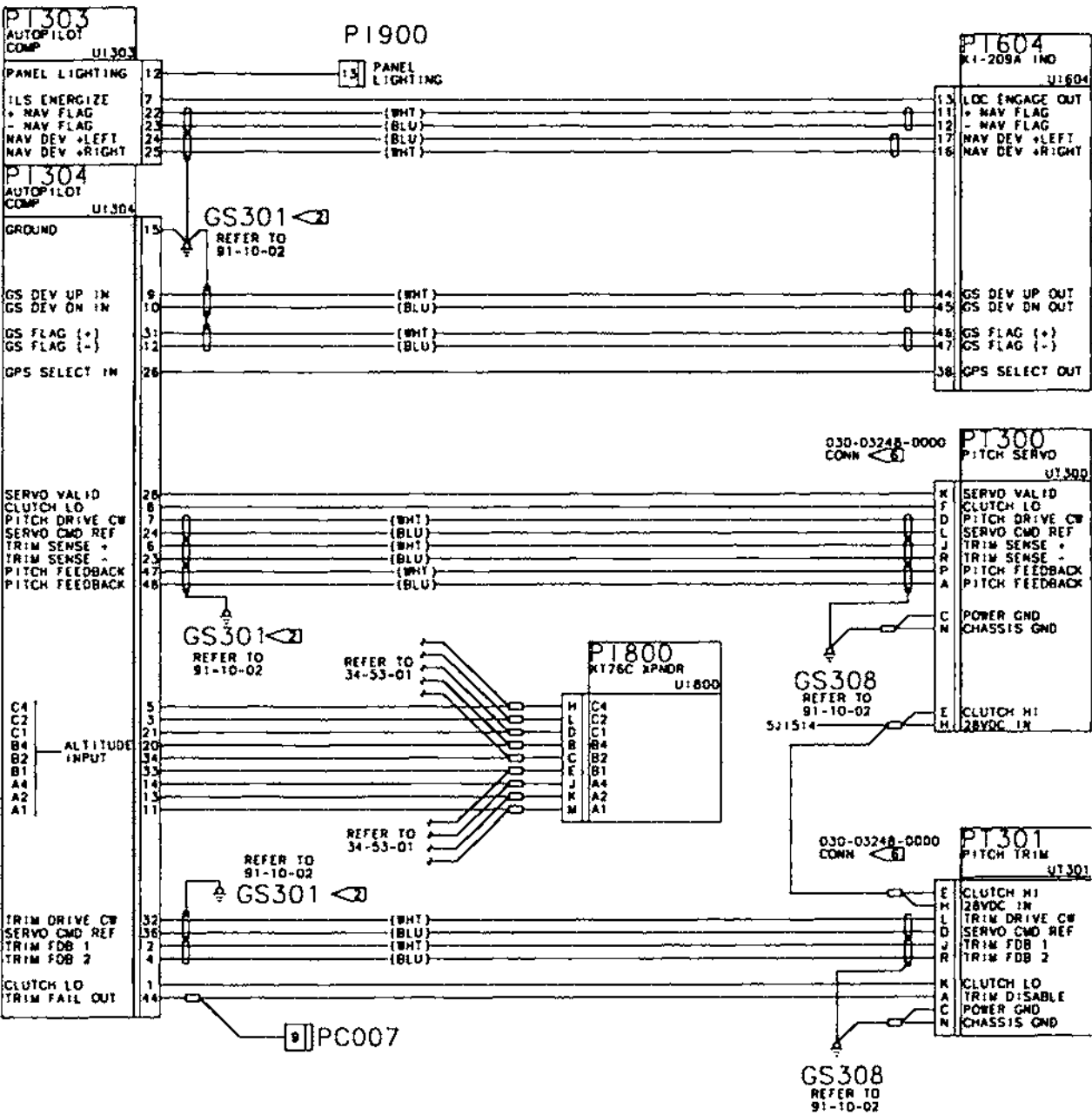
MODEL 172

WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
		1 2 3 4 5 6 7		
01		DUAL AXIS AUTOPILOT 17280984 THRU 17281173 172S8704 THRU 172S9422 NAV II		
GS301	3910276-2	GROUND STUD WING LEVELER COMPUTER (ZONE 225)		01
GS309	3910276-2	GROUND STUD (ZONE 225)		01
JIS14	S1641-9	CONNECTOR PILOT'S CONTROL WHEEL DISCONNECT (ZONE 222)		01
-	S1636-1	SOCKET		AR
J1901	S2350-3	CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01
-	S2353-5	PIN		AR
PC007	S1640-9	CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220).		01
-	S1635-1	PIN		AR
PF903	SK2701	CONNECTOR (ZONE 221).	V28198	01
-	FC116N2	CONTACT	V28198	AR
-	FC120N2	CONTACT		AR
PI302	D01PB406NT-837	CONNECTOR DIRECTIONAL GYRO DISCONNECT (ZONE 220)	V50541	01
-	YSK006-11AH	SOCKET	V50541	AR
PI303	030-01175-0000	CONNECTOR WING LEVELER COMPUTER (ZONE 225)		01
-	050-03375-0001	PART OF ALLIED SIGNAL KIT 050-03375-0001		
PI304	030-01176-0000	CONNECTOR KIT		01
-	050-03375-0000	CONNECTOR AUTOPILOT COMPUTER DISCONNECT (ZONE 225)		01
-	050-03375-0000	PART OF ALLIED SIGNAL KIT 050-03375-0001		
PI305	030-01171-0000	CONNECTOR KIT		01
-	050-03375-0000	CONNECTOR CONFIGURATION MODULE DISCONNECT (ZONE 220)	V22373	01
-	050-03245-0000	PART OF ALLIED SIGNAL KIT 050-03245-0000		
PI306	033-00230-0000	CONNECTOR KIT	V22373	01
-	050-03375-0000	CONNECTOR RS-232 INTERFACE (ZONE 120)		01
-	97-4106A14S-5S	PART OF ALLIED SIGNAL KIT 050-03375-0001		
PI307	97-3057-1007-1	CONNECTOR KIT		01
-	9755-1622S-4	CONNECTOR TURN COORDINATOR DISCONNECT (ZONE 220).	V77820	01
-	030-01094-0058	BACKSHELL	V77820	01
PI516	050-03613-0001	SOCKET	V77820	AR
-	050-03613-0001	CONNECTOR AUDIO PANEL DISCONNECT (ZONE 225)		01
PS300	S1640-9	CONNECTOR KIT		01
-	S1635-1	CONNECTOR ROLL SERVO ACTUATOR (ZONE 610).		01
-	S3330-1	CONTACT		AR
UI302		GYRO DIRECTIONAL (ZONE 220)		01
UI303		COMPUTER AUTO PILOT (ZONE 225)		RF
UI304		COMPUTER AUTO PILOT (ZONE 225)		RF
UI305		MODULE CONFIGURATION (ZONE 211).		RF
UI307		TURN COORDINATOR		RF
UI516	3910310-19	AUDIO PANEL KMA-28	80984 & ON 8704 & ON	01

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



NOTES:

- 1 ALL WIRE 22 AWG, EXCEPT AS NOTED.
- 2 GND STUD IS LOCATED ON THE BACK OF THE AUTOPILOT COMPUTER RACK.
- 3 PART OF ALLIED SIGNAL INSTL KIT 050-03375-0001.
- 4 PART OF ALLIED SIGNAL KIT 050-03245-0000.
- 5 GND STUD IS LOCATED ON THE PITCH SERVO MOUNTING RACK.
- 6 PART OF ALLIED SIGNAL INSTL KIT 050-00398-0000(2 REQ)
- 7 GND STUD IS LOCATED ON THE BACK OF THE AUDIO PANEL RACK.

3924130A2

DUAL AXIS AUTOPILOT
Figure 01 (Sheet 2)

CESSNA AIRCRAFT COMPANY

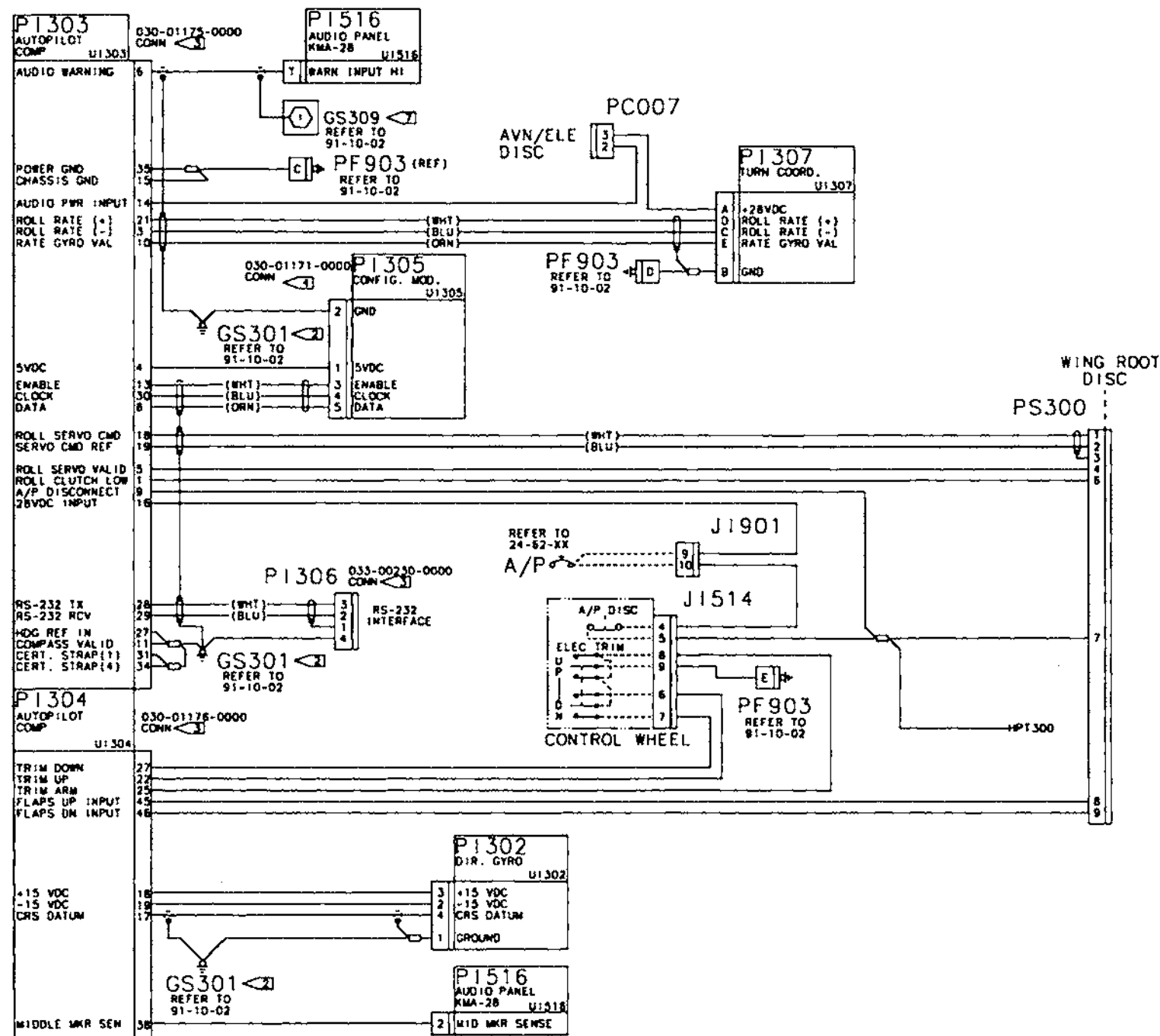
MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
			1 2 3 4 5 6 7		ASSY
01			DUAL AXIS AUTOPILOT		
			17280984 THRU 17281173		
			172S8704 THRU 172S9422		
			NAV II		
	GS301	3910276-2	GROUND STUD WING LEVELER COMPUTER (ZONE 225)		01
	GS308	3910276-2	GROUND STUD (ZONE 211)		01
	PC007	S1640-9	CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220)		01
		S1635-1	PIN		AR
	PI303	030-01175-0000	CONNECTOR WING LEVELER COMPUTER (ZONE 225)		01
			PART OF ALLIED SIGNAL KIT 050-03375-0001		
		050-03375-0001	CONNECTOR KIT		01
	PI304	030-01176-0000	CONNECTOR AUTOPILOT COMPUTER DISCONNECT (ZONE 225)		01
			PART OF ALLIED SIGNAL KIT 050-03375-0001		
		050-03375-0000	CONNECTOR KIT		01
	PI604	030-01176-0000	CONNECTOR KI209A INDICATOR DISCONNECT (ZONE 220)		01
		050-01550-0001	CONNECTOR KIT		01
	PI800	030-01094-0002	CONNECTOR TRANSPONDER DISCONNECT (ZONE 225)		01
		050-01577-0001	CONNECTOR KIT		01
	PI900	S3070-9	CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01
		LMD6106P	BUSSING MODULE	V49367	01
		LMS01T-TL	SPLICE CONNECTOR	V49367	01
		S2353-5	PIN		AR
	PT300	030-03248-0000	CONNECTOR PITCH TRIM ACTUATOR (ZONE 310)		01
			PART OF ALLIED SIGNAL KIT 050-00398-0000		
		050-00398-0000	CONNECTOR KIT		02
	PT301	030-03248-0000	CONNECTOR PITCH TRIM ACTUATOR (ZONE 310)		01
			PART OF ALLIED SIGNAL KIT 050-00398-0000		
		050-00398-0000	CONNECTOR KIT		02
	UI303		COMPUTER AUTO PILOT (ZONE 225)		RF
	UI304		COMPUTER AUTO PILOT (ZONE 225)		RF
	UI604	S3100-158	INDICATOR KI-209A (ZONE 210)	80780 & ON 8262 & ON	01
	UI800	066-01156-0101	TRANSPONDER KT-76C (ZONE 225)		01
	UT300	S3100-180	ACTUATOR PITCH SERVO (ZONE 310)	80888 81110 8423 9068	01
	UT300	S3100-253	ACTUATOR PITCH SERVO (ZONE 310)	81111 & ON 9069 & ON	01
	UT301	S3100-253	ACTUATOR PITCH TRIM (ZONE 310)	81111 & ON 9069 & ON	01

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL



NOTES:

- 1 ALL WIRE 22 AWG, EXCEPT AS NOTED.
- 2 GND STUD IS LOCATED ON THE BACK OF THE AUTOPILOT COMPUTER RACK.
- 3 PART OF ALLIED SIGNAL INSTL KIT 050-03375-0001.
- 4 PART OF ALLIED SIGNAL KIT 050-03245-0000.
- 5 GND STUD IS LOCATED ON THE PITCH SERVO MOUNTING RACK.
- 6 PART OF ALLIED SIGNAL INSTL KIT 050-00398-0000 (2 REQ)
- 7 GND STUD IS LOCATED ON THE BACK OF THE AUDIO PANEL RACK.
- 8 SPLICE IS LOCATED CLOSE TO P1701.

3924143_1

DUAL AXIS AUTOPILOT
 Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

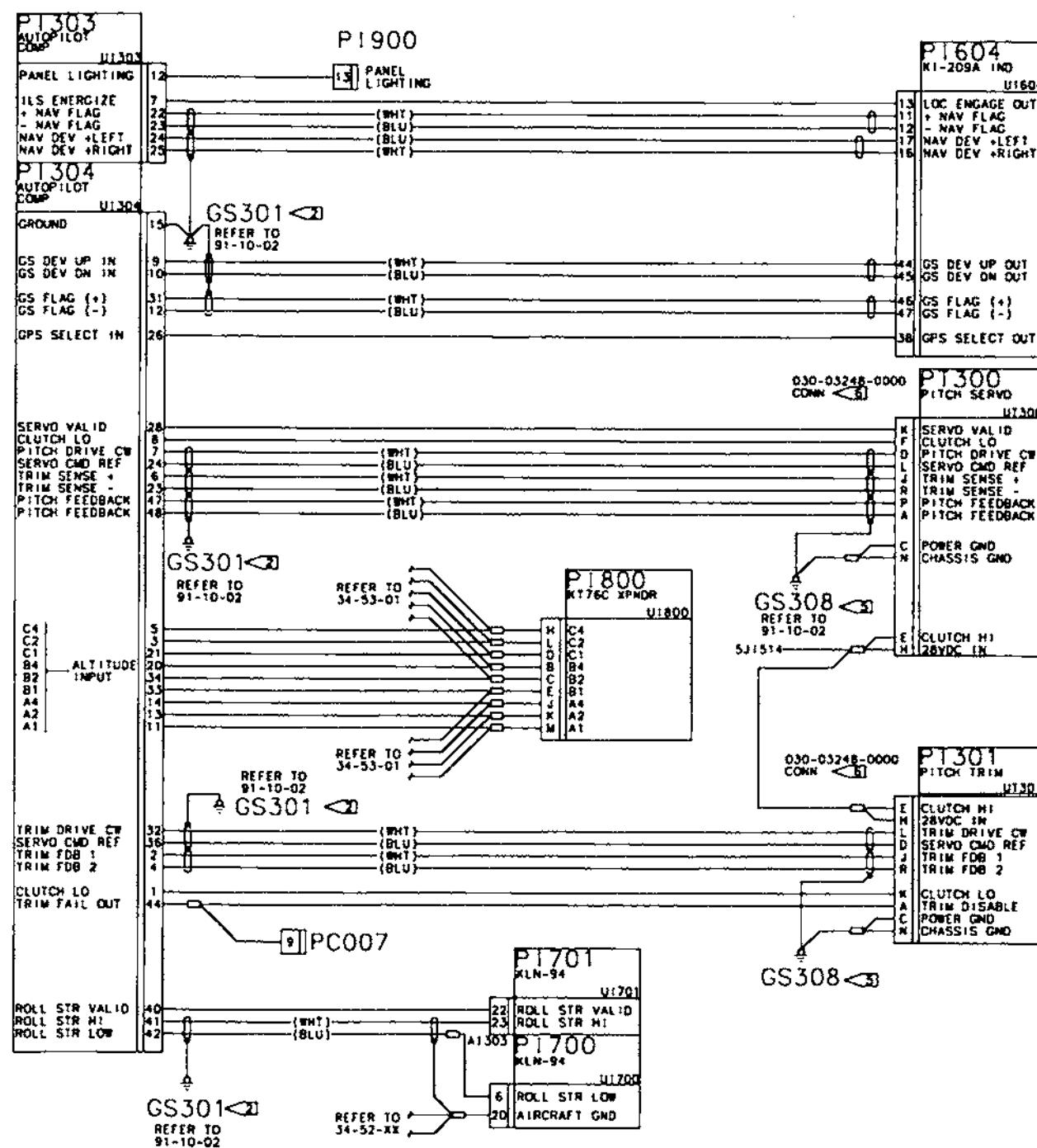
MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
			1 2 3 4 5 6 7		ASSY
01			DUAL AXIS AUTOPILOT		
			17281174 & ON		
			172S9423 & ON		
			NAV II		
	GS301	3910276-2	GROUND STUD WING LEVELER COMPUTER (ZONE 225)		01 R
	GS309	3910276-2	GROUND STUD (ZONE 225)		01 R
	JI514	S1641-9	CONNECTOR PILOT'S CONTROL WHEEL DISCONNECT (ZONE 222)		01 R
	-	S1636-1	SOCKET		AR R
	JI901	S2350-3	CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01 R
	-	S2353-5	PIN		AR R
	PC007	S1640-9	CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220)		01 R
	-	S1635-1	PIN		AR R
	PF903	SK2701	CONNECTOR (ZONE 221)	V28198	01 R
	-	FC116N2	CONTACT	V28198	AR R
	-	FC120N2	CONTACT		AR R
	PI302	D01PB406NT-837	CONNECTOR DIRECTIONAL GYRO DISCONNECT (ZONE 220)	V50541	01 R
	-	YSK006-11AH	SOCKET	V50541	AR R
	PI303	030-01175-0000	CONNECTOR WING LEVELER COMPUTER (ZONE 225)		01 R
	-	050-03375-0001	PART OF ALLIED SIGNAL KIT 050-03375-0001		
	PI304	030-01176-0000	CONNECTOR KIT		01 R
	-	050-03375-0000	CONNECTOR AUTOPILOT COMPUTER DISCONNECT (ZONE 225)		01 R
	-	050-03375-0000	PART OF ALLIED SIGNAL KIT 050-03375-0001		
	PI305	030-01171-0000	CONNECTOR KIT		01 R
	-	050-03375-0000	CONNECTOR CONFIGURATION MODULE DISCONNECT (ZONE 220)	V22373	01 R
	-	050-03245-0000	PART OF ALLIED SIGNAL KIT 050-03245-0000		
	PI306	033-00230-0000	CONNECTOR KIT	V22373	01 R
	-	050-03375-0000	CONNECTOR RS-232 INTERFACE (ZONE 120)		01 R
	-	050-03375-0000	PART OF ALLIED SIGNAL KIT 050-03375-0001		
	PI307	97-4106A14S-5S	CONNECTOR KIT		01 R
	-	97-3057-1007-1	CONNECTOR TURN COORDINATOR DISCONNECT (ZONE 220)	V77820	01 R
	-	9755-1622S-4	BACKSHELL	V77820	01 R
	PI516	030-01094-0058	SOCKET	V77820	AR R
	-	050-03613-0001	CONNECTOR AUDIO PANEL DISCONNECT (ZONE 225)		01 R
	PS300	S1640-9	CONNECTOR KIT		01 R
	-	S1635-1	CONNECTOR ROLL SERVO ACTUATOR (ZONE 610)		01 R
	-	S3330-1	CONTACT		AR R
	UI302		GYRO DIRECTIONAL (ZONE 220)		01 R
	UI303		COMPUTER AUTO PILOT (ZONE 225)		RF R
	UI304		COMPUTER AUTO PILOT (ZONE 225)		RF R
	UI305		MODULE CONFIGURATION (ZONE 211)		RF R
	UI307		TURN COORDINATOR		RF R
	UI516	3910310-19	AUDIO PANEL KMA-28	80984 & ON 8704 & ON	01 R

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL



3924143_2

DUAL AXIS AUTOPILOT
 Figure 01 (Sheet 2)

CESSNA AIRCRAFT COMPANY

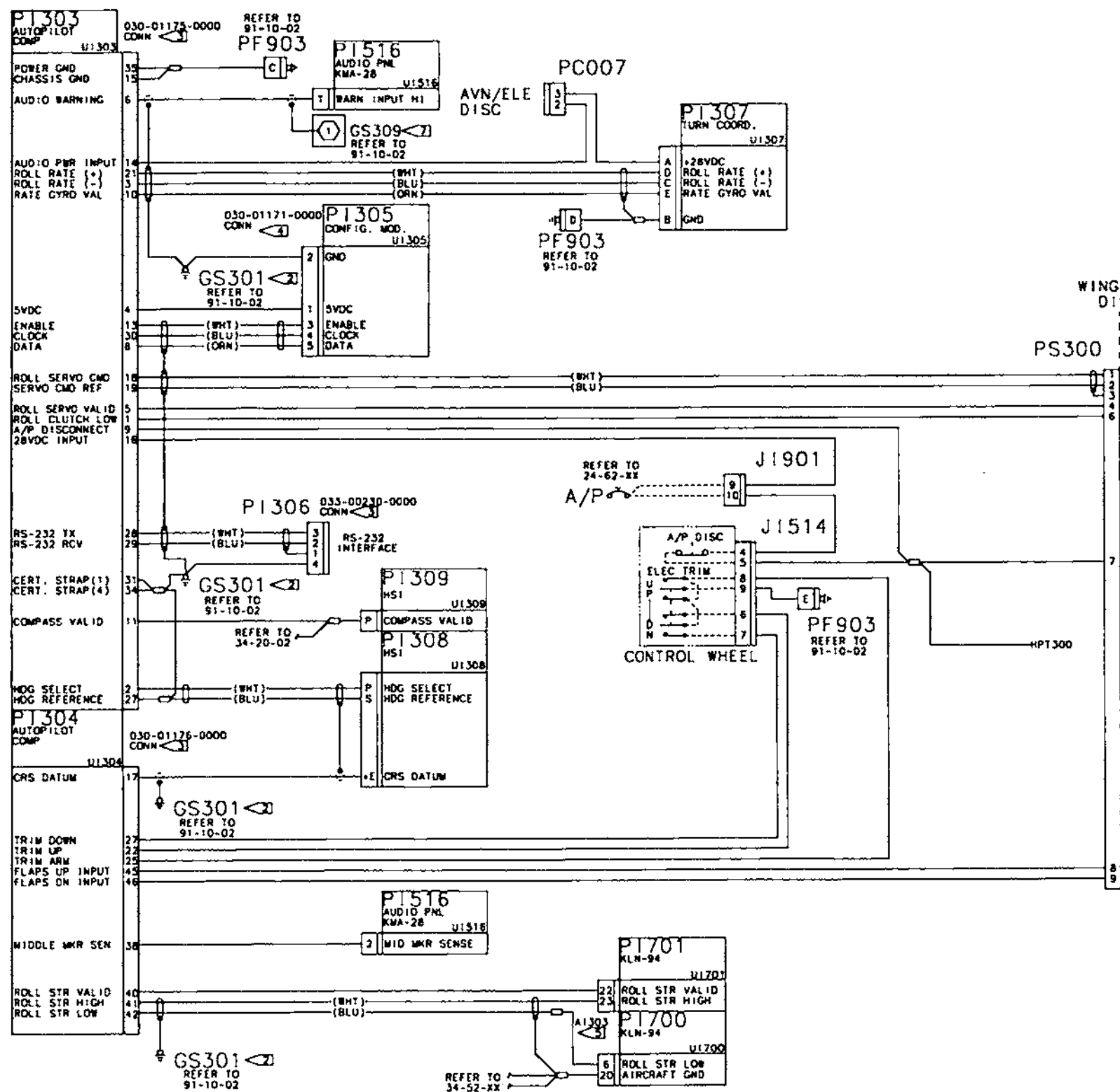
MODEL 172

WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
		1 2 3 4 5 6 7		
01		DUAL AXIS AUTOPILOT		
		17281174 & ON		
		172S9423 & ON		
		NAV II		
GS301	3910276-2	GROUND STUD WING LEVELER COMPUTER (ZONE 225)		01 R
GS308	3910276-2	GROUND STUD (ZONE 211)		01 R
PC007	S1640-9	CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220).		01 R
	S1635-1	PIN		AR R
PI303	030-01175-0000	CONNECTOR WING LEVELER COMPUTER (ZONE 225)		01 R
		PART OF ALLIED SIGNAL KIT 050-03375-0001		
	050-03375-0001	CONNECTOR KIT		01 R
PI304	030-01176-0000	CONNECTOR AUTOPILOT COMPUTER DISCONNECT (ZONE 225)		01 R
		PART OF ALLIED SIGNAL KIT 050-03375-0001		
	050-03375-0000	CONNECTOR KIT		01 R
PI604	030-01176-0000	CONNECTOR KI209A INDICATOR DISCONNECT (ZONE 220)		01 R
	050-01550-0001	CONNECTOR KIT		01 R
PI700	030-03271-0000	CONNECTOR KLN-89B GPS RECEIVER DISCONNECT (ZONE 225)		01 R
	050-03321-0000	CONNECTOR KIT		01 R
PI701	030-03272-0000	CONNECTOR GPS RECEIVER (ZONE 225)		01 R
PI800	030-01094-0002	CONNECTOR TRANSPONDER DISCONNECT (ZONE 225)		01 R
	050-01577-0001	CONNECTOR KIT		01 R
PI900	S3070-9	CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01 R
	LMD6106P	BUSSING MODULE	V49367	01 R
	LMS01T-TL	SPLICE CONNECTOR	V49367	01 R
	S2353-5	PIN		AR R
PT300	030-03248-0000	CONNECTOR PITCH TRIM ACTUATOR (ZONE 310)		01 R
		PART OF ALLIED SIGNAL KIT 050-00398-0000		
	050-00398-0000	CONNECTOR KIT		02 R
PT301	030-03248-0000	CONNECTOR PITCH TRIM ACTUATOR (ZONE 310)		01 R
		PART OF ALLIED SIGNAL KIT 050-00398-0000		
	050-00398-0000	CONNECTOR KIT		02 R
UI303		COMPUTER AUTO PILOT (ZONE 225)		RF R
UI304		COMPUTER AUTO PILOT (ZONE 225)		RF R
UI604	S3100-158	INDICATOR KI-209A (ZONE 210)	80780 & ON	01 R
			8262 & ON	
UI700	069-01034-0101	RECEIVER GPS (ZONE 225)	V22373 80984 & ON	01 R
			8704 & ON	
UI701	069-01034-0101	RECEIVER GPS (ZONE 225)	V22373 80978 & ON	01 R
			8704 & ON	
UI800	066-01156-0101	TRANSPONDER KT-76C (ZONE 225)		01 R
UT300	S3100-253	ACTUATOR PITCH SERVO (ZONE 310)	81111 & ON	01 R
			9069 & ON	
UT301	S3100-253	ACTUATOR PITCH TRIM (ZONE 310)	81111 & ON	01 R
			9069 & ON	

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



NOTES:

- 1 ALL WIRE 22 AWG. EXCEPT AS NOTED.
- 2 GND STUD IS LOCATED ON THE BACK OF THE AUTOPILOT COMPUTER RACK.
- 3 PART OF ALLIED SIGNAL INSTL KIT 050-03375-0001.
- 4 PART OF ALLIED SIGNAL KIT 050-03245-0000.
- 5 SPLICE IS LOCATED CLOSE TO PI701.
- 6 PART OF ALLIED SIGNAL INSTL KIT 050-00396-0000(2 REQ)
- 7 GND STUD IS LOCATED ON THE BACK OF THE AUDIO PANEL RACK

3924144_1

DUAL AXIS AUTOPILOT
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

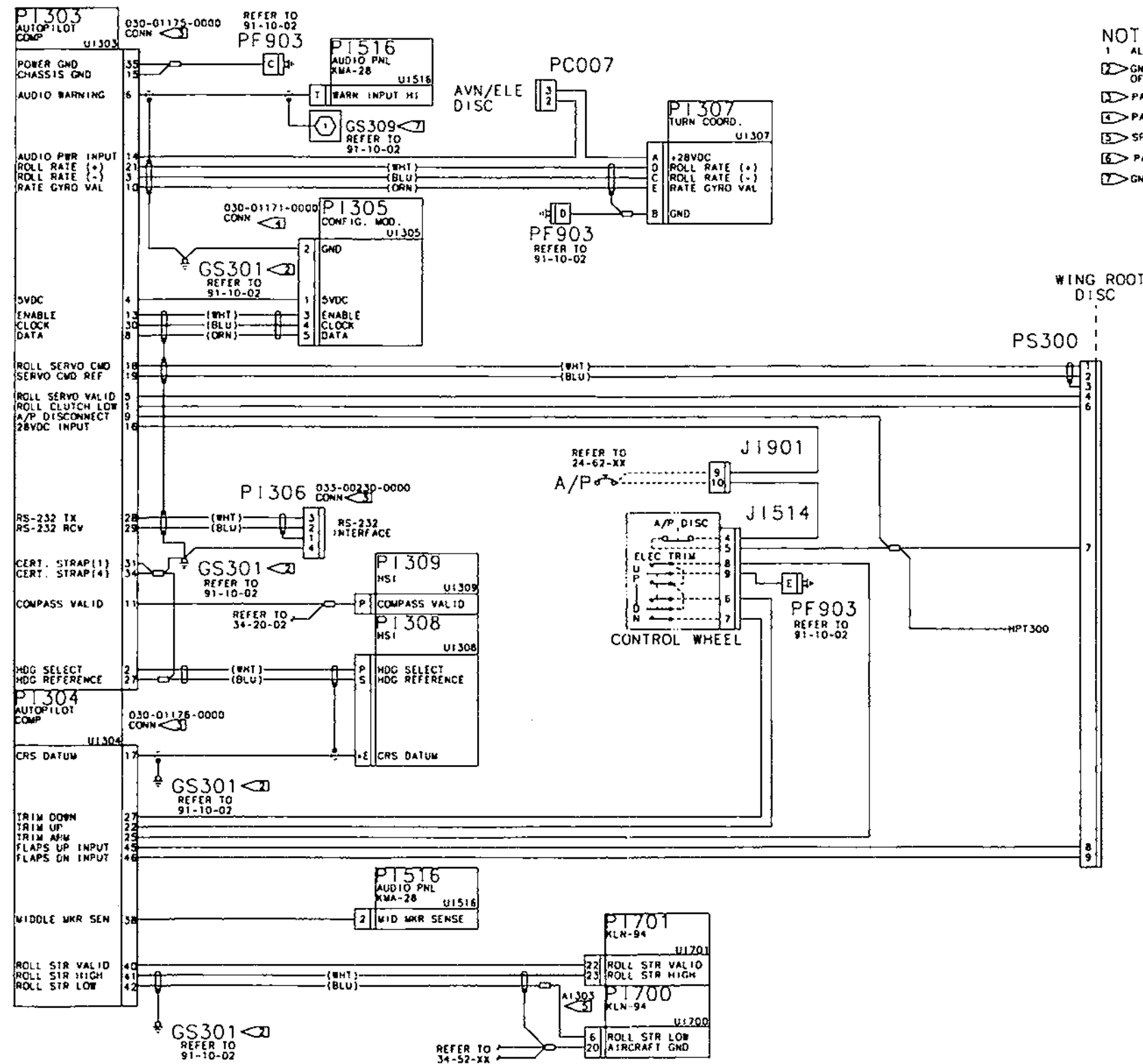
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
01			DUAL AXIS AUTOPILOT		
			17281174 THRU 17281200		
			172S9423 THRU 172S9568		
			NAV II W/HSI, ADF, MFD		
			17281201 & ON		
			172S9569 & ON		
			NAV II W/HSI, MFD, ADF, FIS		
	AI303		SPLICE		RF R
	GS301	3910276-2	GROUND STUD WING LEVELER COMPUTER (ZONE 225)		01 R
	GS309	3910276-2	GROUND STUD (ZONE 225)		01 R
	J1514	S1641-9	CONNECTOR PILOT'S CONTROL WHEEL DISCONNECT (ZONE 222)		01 R
		S1636-1	SOCKET		AR R
	J1901	S2350-3	CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01 R
		S2353-5	PIN		AR R
	PC007	S1640-9	CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220)		01 R
		S1635-1	PIN		AR R
	PF903	SK2701	CONNECTOR (ZONE 221)	V28198	01 R
		FC116N2	CONTACT	V28198	AR R
		FC120N2	CONTACT		AR R
	PI303	030-01175-0000	CONNECTOR WING LEVELER COMPUTER (ZONE 225)		01 R
		050-03375-0001	PART OF ALLIED SIGNAL KIT 050-03375-0001		
	PI304	030-01176-0000	CONNECTOR KIT		01 R
			CONNECTOR AUTOPILOT COMPUTER DISCONNECT (ZONE 225)		01 R
		050-03375-0000	PART OF ALLIED SIGNAL KIT 050-03375-0001		
	PI305	030-01171-0000	CONNECTOR KIT		01 R
			CONNECTOR CONFIGURATION MODULE DISCONNECT (ZONE 220)	V22373	01 R
		050-03245-0000	PART OF ALLIED SIGNAL KIT 050-03245-0000		
	PI306	033-00230-0000	CONNECTOR KIT	V22373	01 R
			CONNECTOR RS-232 INTERFACE (ZONE 120)		01 R
		050-03375-0000	PART OF ALLIED SIGNAL KIT 050-03375-0001		
	PI307	97-4106A14S-5S	CONNECTOR KIT		01 R
		97-3057-1007-1	CONNECTOR TURN COORDINATOR DISCONNECT (ZONE 220)	V77820	01 R
		9755-1622S-4	BACKSHELL	V77820	01 R
	PI308	030-02153-0000	SOCKET	V77820	AR R
		050-01344-0002	CONNECTOR HORIZONTAL SITUATION INDICATOR (ZONE 220)		01 R
		S2800-216	CONNECTOR KIT		01 R
	PI309	030-02178-0000	BACKSHELL		01 R
		050-01344-0002	CONNECTOR HORIZONTAL SITUATION INDICATOR (ZONE 220)		01 R
		S2800-216	CONNECTOR KIT		01 R
	PI516	030-01094-0058	BACKSHELL		01 R
		050-03613-0001	CONNECTOR AUDIO PANEL DISCONNECT (ZONE 225)		01 R
	PI700	030-03271-0000	CONNECTOR KIT		01 R
			CONNECTOR KLN-89B GPS RECEIVER DISCONNECT (ZONE 225)		01 R
		050-03321-0000	CONNECTOR KIT		01 R
	PI701	030-03272-0000	CONNECTOR GPS RECEIVER (ZONE 225)		01 R
	PS300	S1640-9	CONNECTOR ROLL SERVO ACTUATOR (ZONE 610)		01 R
		S1635-1	CONTACT		AR R
	UI303		COMPUTER AUTO PILOT (ZONE 225)		RF R
	UI304		COMPUTER AUTO PILOT (ZONE 225)		RF R
	UI305		MODULE CONFIGURATION (ZONE 211)		RF R
	UI307		TURN COORDINATOR		RF R
	UI308	066-03046-0007	INDICATOR HSI		01 R
	UI309	066-3046-07	INDICATOR HSI	V22373	01 R
	UI516	3910310-19	AUDIO PANEL KMA-28	80984 & ON	01 R
				8704 & ON	
	UI700	069-01034-0101	RECEIVER GPS (ZONE 225)	V22373	01 R
				80984 & ON	
				8704 & ON	

- ITEM NOT ILLUSTRATED

Figure 01

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL



NOTES:

- 1 ALL WIRE 22 AWG, EXCEPT AS NOTED.
- 2 GND STUD IS LOCATED ON THE BACK OF THE AUTOPILOT COMPUTER RACK.
- 3 PART OF ALLIED SIGNAL INSTL KIT 050-03375-0001.
- 4 PART OF ALLIED SIGNAL KIT 050-03245-0000.
- 5 SPLICE IS LOCATED CLOSE TO PI701.
- 6 PART OF ALLIED SIGNAL INSTL KIT 050-00396-0000(2 REQ)
- 7 GND STUD IS LOCATED ON THE BACK OF THE AUDIO PANEL RACK.

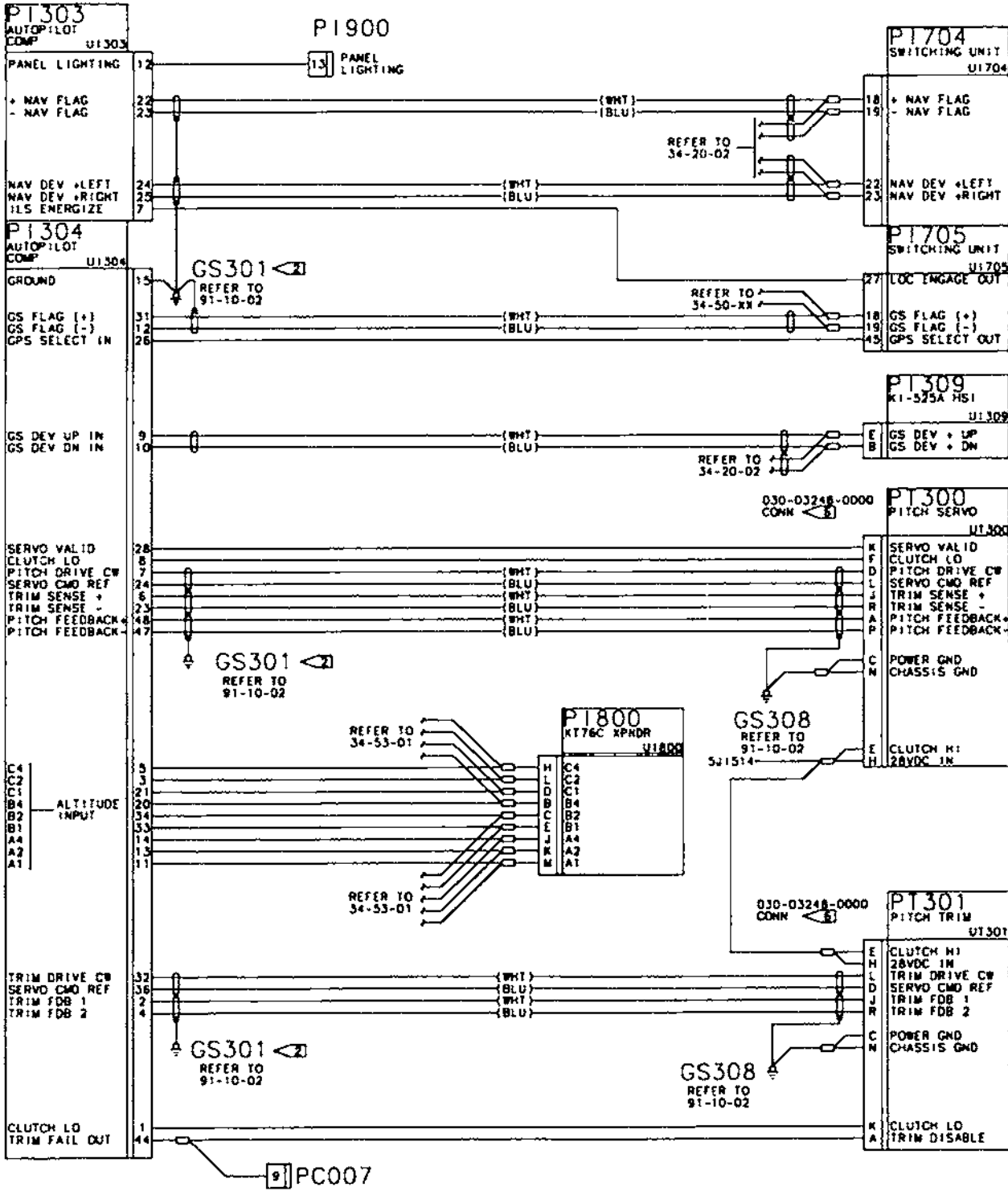
DUAL AXIS AUTOPILOT
 Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	1234567 NOMENCLATURE	EFFECTIVITY		UNITS PER ASSY
			FROM	TO	
UI701	066-01148-1111	RECEIVER GPS (ZONE 225)	80001 8001	80977 8703	01 R

· ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



- NOTES:
1. ALL WIRE 22 AWG, EXCEPT AS NOTED.
 2. GND STUD IS LOCATED ON THE BACK OF THE AUTOPILOT COMPUTER RACK.
 3. PART OF ALLIED SIGNAL INSTL KIT 050-03375-0001.
 4. PART OF ALLIED SIGNAL KIT 050-03245-0000.
 5. SPLICE IS LOCATED CLOSE TO P1701.
 6. PART OF ALLIED SIGNAL INSTL KIT 050-00398-0000 (2 REQ).
 7. GND STUD IS LOCATED ON THE BACK OF THE AUDIO PANEL RACK.

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DUAL AXIS AUTOPILOT
Figure 01 (Sheet 2)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

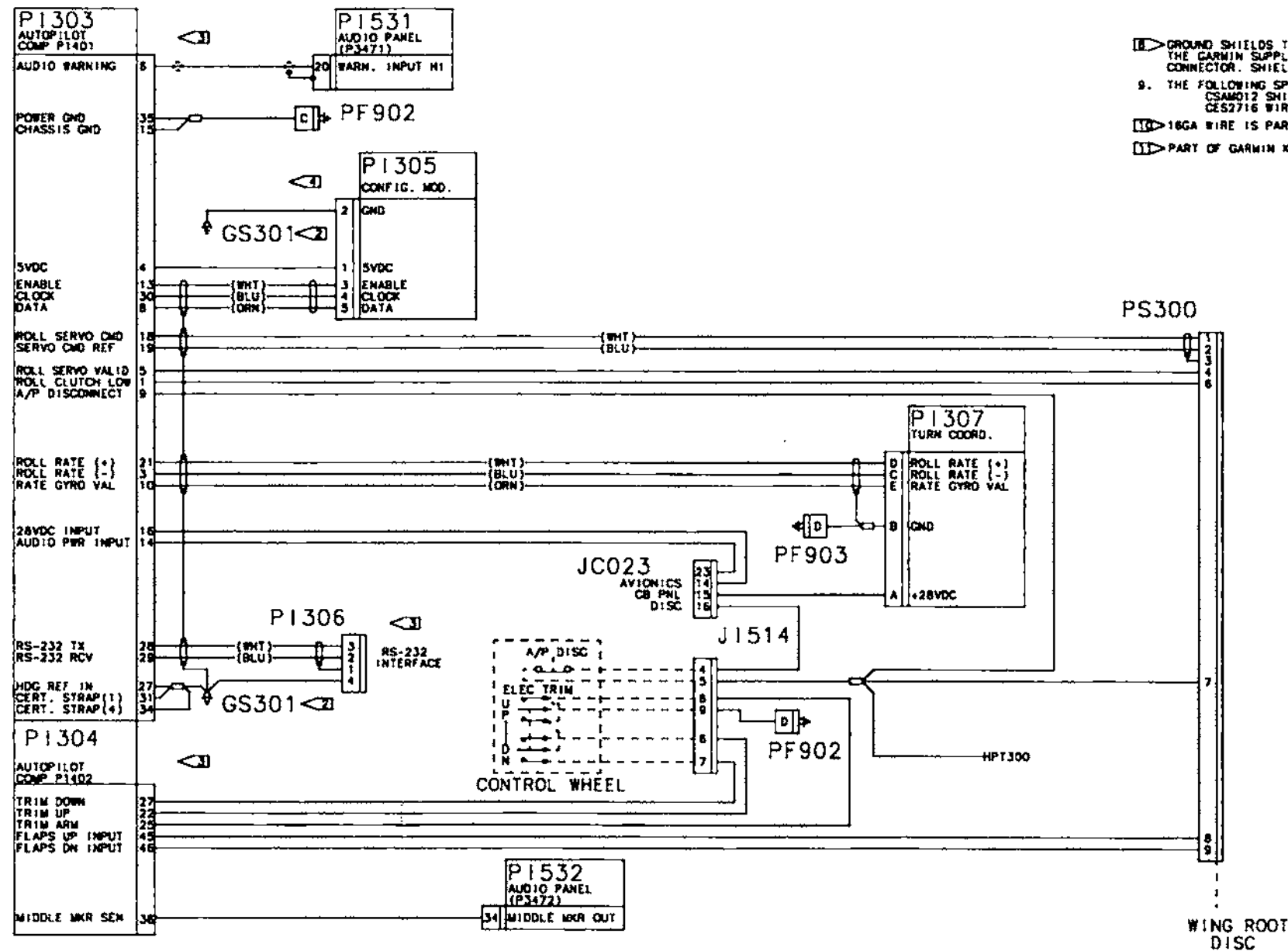
FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
		1234567		
01		DUAL AXIS AUTOPILOT 17281174 THRU 17281200 172S9423 THRU 172S9568 NAV II W/HSI, ADF, MFD 17281201 & ON 172S9569 & ON NAV II W/HSI, MFD, ADF, FIS		
GS301	3910276-2	GROUND STUD WING LEVELER COMPUTER (ZONE 225)		01 R
GS308	3910276-2	GROUND STUD (ZONE 211)		01 R
PC007	S1640-9	CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220)		01 R
-	S1635-1	PIN		ARR
PI303	030-01175-0000	CONNECTOR WING LEVELER COMPUTER (ZONE 225)		01 R
-	050-03375-0001	PART OF ALLIED SIGNAL KIT 050-03375-0001		
PI304	030-01176-0000	CONNECTOR KIT		01 R
-	030-01176-0000	CONNECTOR AUTOPILOT COMPUTER DISCONNECT (ZONE 225)		01 R
-	050-03375-0000	PART OF ALLIED SIGNAL KIT 050-03375-0001		
PI309	030-02178-0000	CONNECTOR KIT		01 R
-	030-02178-0000	CONNECTOR HORIZONTAL SITUATION INDICATOR (ZONE 220)		01 R
-	050-01344-0002	CONNECTOR KIT		01 R
-	S2800-216	BACKSHELL		01 R
PI704	RD50F10JVL0	CONNECTOR RELAY SWITCHING UNIT (ZONE 221)	V28198 80694 & ON	01 R
PI705	RD50M10JVL0	CONNECTOR RELAY SWITCHING UNIT (ZONE 221)	8113 & ON	01 R
PI800	030-01094-0002	CONNECTOR RELAY SWITCHING UNIT (ZONE 221)	V28198 80694 & ON	01 R
-	050-01577-0001	CONNECTOR KIT	8113 & ON	01 R
PI900	S3070-9	CONNECTOR TRANSPOUNDER DISCONNECT (ZONE 225)		01 R
-	LMD6106P	CONNECTOR KIT		01 R
-	LMS01T-TL	CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01 R
-	S2353-5	BUSSING MODULE	V49367	01 R
PT300	030-03248-0000	SPLICE CONNECTOR	V49367	01 R
-	050-00398-0000	PIN		ARR
PT301	030-03248-0000	CONNECTOR PITCH TRIM ACTUATOR (ZONE 310)		01 R
-	050-00398-0000	PART OF ALLIED SIGNAL KIT 050-00398-0000		
UI303	066-3046-07	CONNECTOR KIT		02 R
UI304		CONNECTOR KIT		01 R
UI309		COMPUTER AUTO PILOT (ZONE 225)		RF R
UI704		COMPUTER AUTO PILOT (ZONE 225)		RF R
UI705		INDICATOR HSI	V22373	01 R
UI800	066-01156-0101	SWITCHING UNIT		RF R
UT300	S3100-253	SWITCHING UNIT		RF R
UT301	S3100-253	TRANSPOUNDER KT-76C (ZONE 225)		01 R
-		ACTUATOR PITCH SERVO (ZONE 310)	81111 & ON	01 R
-			9069 & ON	
-			81111 & ON	01 R
-			9069 & ON	

- ITEM NOT ILLUSTRATED

Figure 01

Page 5

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL



NOTES:

- 1 ALL WIRE 22 AWG. UNLESS OTHERWISE NOTED.
- 2 GND STUD IS LOCATED ON THE BACK OF THE AUTOPILOT COMPUTER RACK.
- 3 PART OF ALLIED SIGNAL INSTL KIT 050-03373-0001.
- 4 PART OF ALLIED SIGNAL KIT 050-03245-0000.
- 5 PART OF ALLIED SIGNAL INSTL KIT 050-00398-0000(2 REQ)
- 6 GROUND SHIELDS TO THE BACKSHELL OF THE CONNECTOR USING THE GARMIN SUPPLIED GROUNDING WIRES FASTENED TO THE CONNECTOR. SHIELD WIRES SHOULD BE NO LONGER THAN 3".
9. THE FOLLOWING SPECS ARE PART OF THIS DRAWING: CSAM012 SHIELDED CABLE INSTALLATION. CES2716 WIRE TERMINATIONS.
- 10 16GA WIRE IS PART OF GARMIN TERMINATED WIRE GROUP.
- 11 PART OF GARMIN KIT 011-01000-00 (REF).

DUAL AXIS AUTOPILOT
 Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

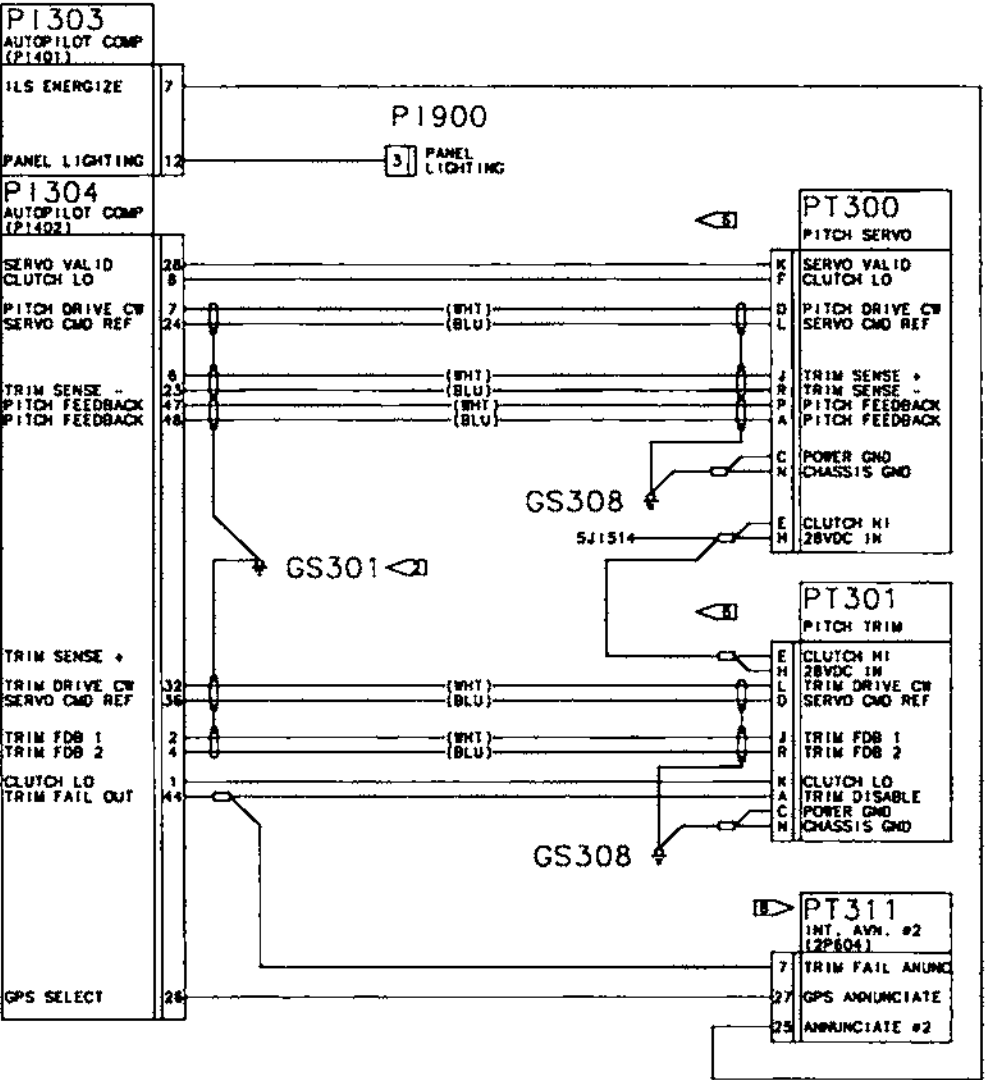
MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
01			DUAL AXIS AUTOPILOT 17281241 THRU 17281356 172S9810 THRU 172S10431 WITH NAV III AVIONICS		
GS301	3910276-2		GROUND STUD WING LEVELER COMPUTER (ZONE 225)		01
JC023	S2350-10		CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)	81241 & ON 9810 & ON	01
	S2353-5		. . . PIN		AR
J1514	S1641-9		CONNECTOR PILOT'S CONTROL WHEEL DISCONNECT (ZONE 222)		01
	S1636-1		. . . SOCKET		AR
PF902	SK2701		CONNECTOR GROUND (ZONE 221)	V28198	01
	FC116N2		. . . CONTACT		AR
	FC120N2		. . . CONTACT	V28198	AR
PF903	SK2701		CONNECTOR (ZONE 221)	V28198	01
	FC116N2		. . . CONTACT	V28198	AR
	FC120N2		. . . CONTACT		AR
PI303	030-01175-0000		CONNECTOR WING LEVELER COMPUTER (ZONE 225)		01
	050-03375-0001		PART OF ALLIED SIGNAL KIT 050-03375-0001		
PI304	030-01176-0000		CONNECTOR KIT		01
			CONNECTOR AUTOPILOT COMPUTER DISCONNECT (ZONE 225)		01
	050-03375-0000		PART OF ALLIED SIGNAL KIT 050-03375-0001		
PI305	030-01171-0000		CONNECTOR KIT		01
			CONNECTOR CONFIGURATION MODULE DISCONNECT (ZONE 220)	V22373	01
	050-03245-0000		PART OF ALLIED SIGNAL KIT 050-03245-0000		
PI306	033-00230-0000		CONNECTOR KIT	V22373	01
			CONNECTOR RS-232 INTERFACE (ZONE 120)		01
	050-03375-0000		PART OF ALLIED SIGNAL KIT 050-03375-0001		
PI307	97-4106A14S-5S		CONNECTOR KIT		01
	97-3057-1007-1		CONNECTOR TURN COORDINATOR DISCONNECT (ZONE 220)	V77820	01
	9755-1622S-4		. . . BACKSHELL	V77820	01
PI531			. . . SOCKET	V77820	AR
			CONNECTOR AUDIO PANEL		RF
			PART OF GARMIN KIT 011-00813-00	81241 & ON 9810 & ON	
PI532			CONNECTOR AUDIO PANEL		RF
			PART OF GARMIN KIT 011-00813-00	81241 & ON 9810 & ON	
PS300	S1640-9		CONNECTOR ROLL SERVO ACTUATOR (ZONE 610)		01
	S1635-1		. . . CONTACT		AR

ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



NOTES:

1. ALL WIRE 22 AWG, UNLESS OTHERWISE NOTED.
2. GND STUD IS LOCATED ON THE BACK OF THE AUTOPILOT COMPUTER RACK.
3. PART OF ALLIED SIGNAL INSTL KIT 050-03375-0001.
4. PART OF ALLIED SIGNAL KIT 050-03245-0000.
5. PART OF ALLIED SIGNAL INSTL KIT 050-00398-0000 (2 REQ)
6. GROUND SHIELDS TO THE BACKSHELL OF THE CONNECTOR USING THE GARMIN SUPPLIED GROUNDING WIRES FASTENED TO THE CONNECTOR. SHIELD WIRES SHOULD BE NO LONGER THAN 3".
9. THE FOLLOWING SPECS ARE PART OF THIS DRAWING:
CSAM012 SHIELDED CABLE INSTALLATION.
CES2716 WIRE TERMINATIONS.
10. 18GA WIRE IS PART OF GARMIN TERMINATED WIRE GROUP.
11. PART OF GARMIN KIT 011-01000-00 (REF).

DUAL AXIS AUTOPILOT
Figure 01 (Sheet 2)

CESSNA AIRCRAFT COMPANY

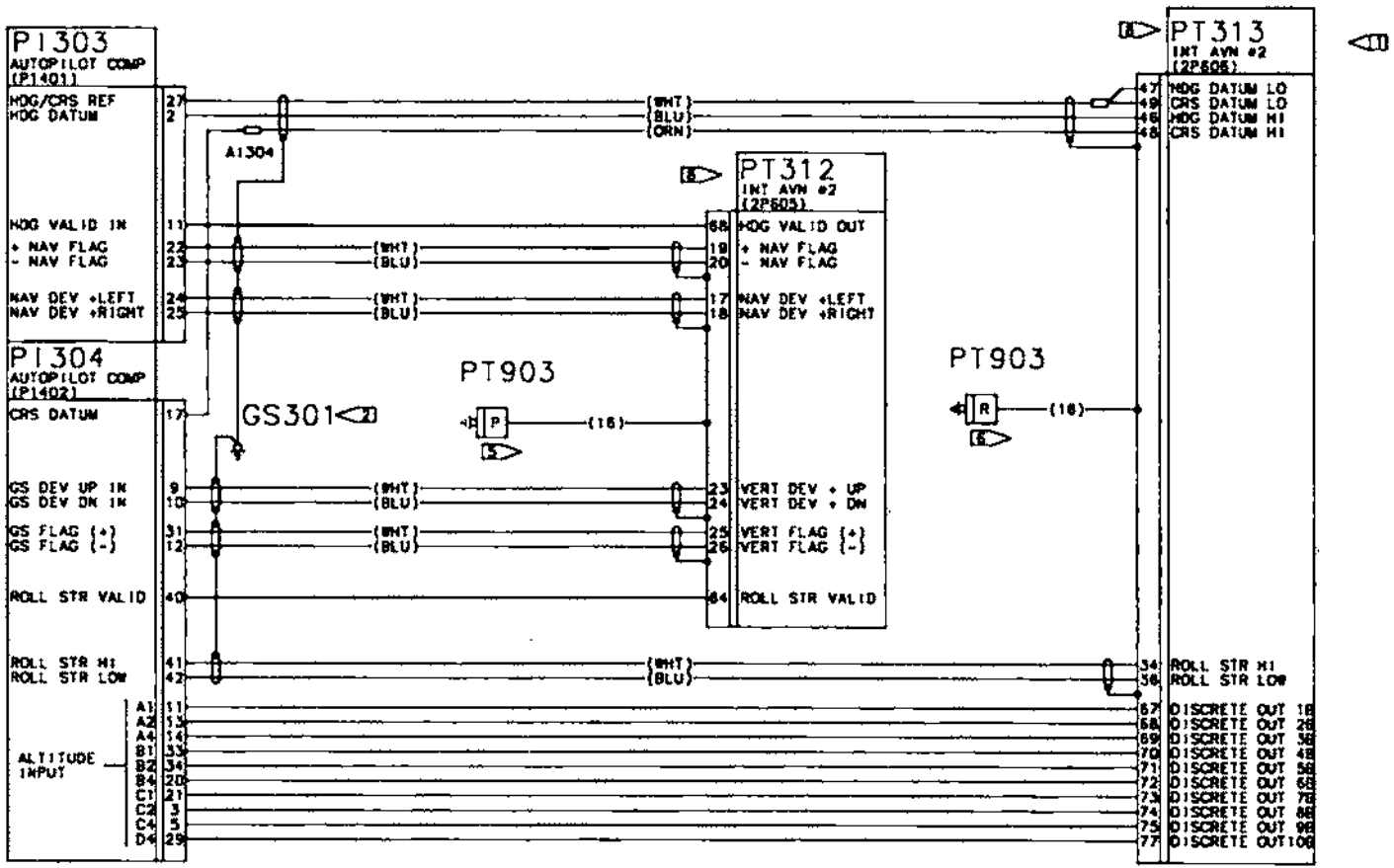
MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
	DES			FROM TO	PER
					ASSY
01			DUAL AXIS AUTOPILOT		
			17281241 THRU 17281356		
			172S9810 THRU 172S10431		
			WITH NAV III AVIONICS		
GS301		3910276-2	. GROUND STUD WING LEVELER COMPUTER (ZONE 225)		01
GS308		3910276-2	. GROUND STUD (ZONE 211)		01
PI303		030-01175-0000	. CONNECTOR WING LEVELER COMPUTER (ZONE 225)		01
			PART OF ALLIED SIGNAL KIT 050-03375-0001		
-		050-03375-0001	CONNECTOR KIT		01
PI304		030-01176-0000	. CONNECTOR AUTOPILOT COMPUTER DISCONNECT (ZONE		01
			225)		
			PART OF ALLIED SIGNAL KIT 050-03375-0001		
-		050-03375-0000	CONNECTOR KIT		01
PI900		S3070-9	. CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01
-		LMD6106P	. . BUSSING MODULE	V49367	01
-		LMS01T-TL	. . SPLICE CONNECTOR	V49367	01
-		S2353-5	. . PIN		AR
PT300		030-03248-0000	. CONNECTOR PITCH TRIM ACTUATOR (ZONE 310)		01
			PART OF ALLIED SIGNAL KIT 050-00398-0000		
-		050-00398-0000	CONNECTOR KIT		02
PT301		030-03248-0000	. CONNECTOR PITCH TRIM ACTUATOR (ZONE 310)		01
			PART OF ALLIED SIGNAL KIT 050-00398-0000		
-		050-00398-0000	CONNECTOR KIT		02
PT311		330-00185-44	. CONNECTOR INTEGRATED AVIONICS BOX 2		01
			PART OF GARMIN KIT 011-01000-00		

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



- NOTES:
- 1. ALL WIRE 22 AWG, UNLESS OTHERWISE NOTED.
 - 2. GND STUD IS LOCATED ON THE BACK OF THE AUTOPILOT COMPUTER RACK.
 - 3. PART OF ALLIED SIGNAL INSTL KIT 050-03375-0001.
 - 4. PART OF ALLIED SIGNAL KIT 050-03245-0000.
 - 5. PART OF ALLIED SIGNAL INSTL KIT 050-00398-0000(2 REQ)
 - 6. GROUND SHIELDS TO THE BACKSHELL OF THE CONNECTOR USING THE GARMIN SUPPLIED GROUNDING WIRES FASTENED TO THE CONNECTOR. SHIELD WIRES SHOULD BE NO LONGER THAN 3".
 - 9. THE FOLLOWING SPECS ARE PART OF THIS DRAWING:
CSAM012 SHIELDED CABLE INSTALLATION.
CES2716 WIRE TERMINATIONS.
 - 10. 16GA WIRE IS PART OF GARMIN TERMINATED WIRE GROUP.
 - 11. PART OF GARMIN KIT 011-01000-00 (REF).

DUAL AXIS AUTOPILOT
Figure 01 (Sheet 3)

392415383

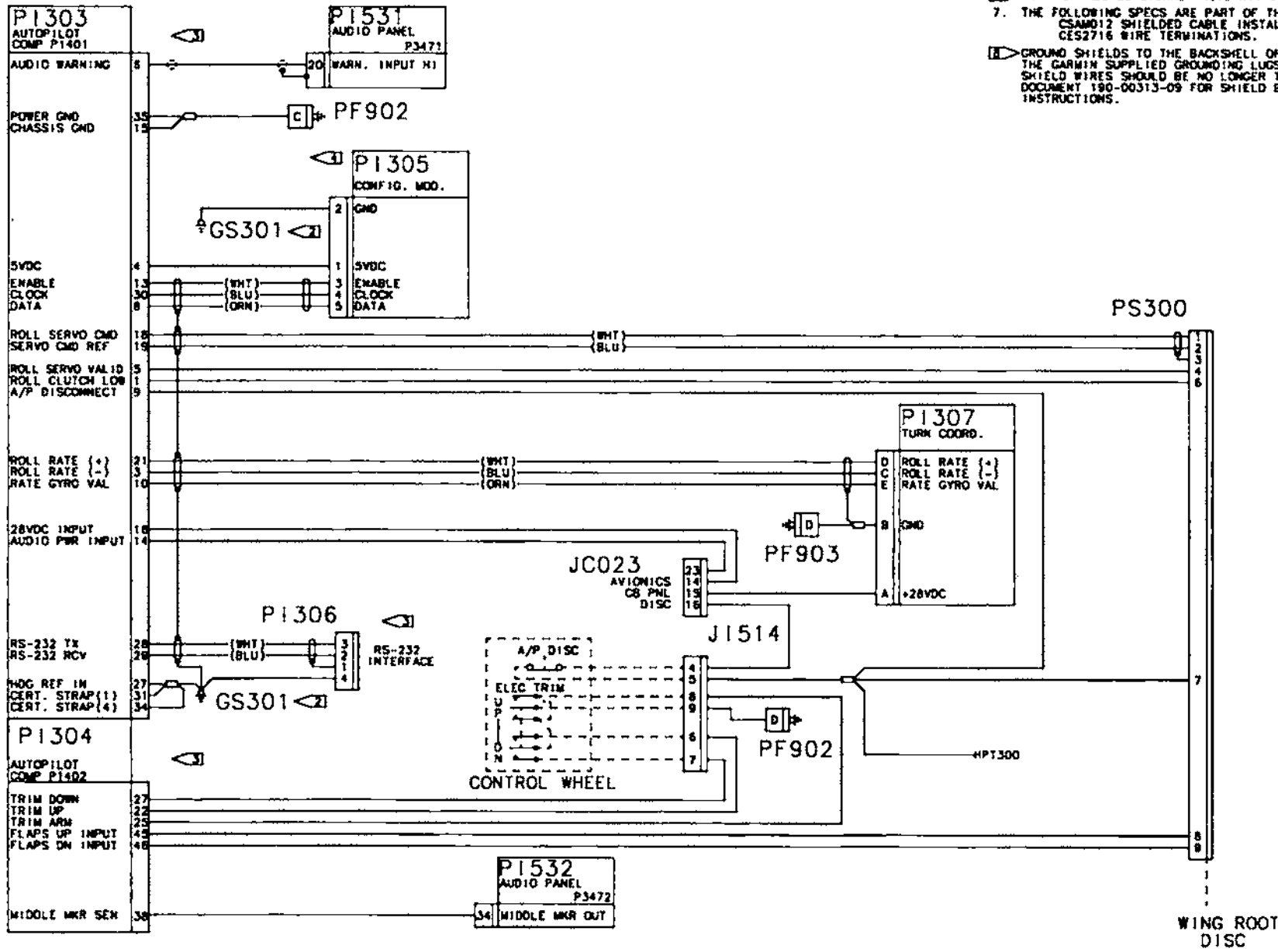
CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
01			DUAL AXIS AUTOPILOT		
			17281241 THRU 17281356		
			172S9810 THRU 172S10431		
			WITH NAV III AVIONICS		
GS301	3910276-2		GROUND STUD WING LEVELER COMPUTER (ZONE 225)		01
PI303	030-01175-0000		CONNECTOR WING LEVELER COMPUTER (ZONE 225)		01
	050-03375-0001		PART OF ALLIED SIGNAL KIT 050-03375-0001		
			CONNECTOR KIT		01
PI304	030-01176-0000		CONNECTOR AUTOPILOT COMPUTER DISCONNECT (ZONE		01
			225)		
	050-03375-0000		PART OF ALLIED SIGNAL KIT 050-03375-0001		
			CONNECTOR KIT		01
PT312	330-00185-78		CONNECTOR INTEGRATED AVIONICS BOX 2	81272 & ON	01 R
			PART OF GARMIN KIT 011-01000-00	10102 & ON	
PT313	330-00185-78		CONNECTOR INTEGRATED AVIONICS BOX 2	81241 & ON	01
			PART OF GARMIN KIT 011-01000-00	9810 & ON	
PT903	SK2701		CONNECTOR GROUND	81241 81356	01
				9810 10431	
-	FC116N2		.. CONTACT		AR
-	FC120N2		.. CONTACT		AR

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

- NOTES:
- 1. ALL WIRE 22 AWG, UNLESS OTHERWISE NOTED.
 - 2. GND STUD IS LOCATED ON THE BACK OF THE AUTOPILOT COMPUTER RACK.
 - 3. PART OF ALLIED SIGNAL INSTL KIT 050-03375-0001.
 - 4. PART OF ALLIED SIGNAL KIT 050-03245-0000.
 - 5. PART OF GARMIN KIT 011-01000-01 (REF).
 - 6. PART OF ALLIED SIGNAL INSTL KIT 050-00398-0000(2 REQ)
 - 7. THE FOLLOWING SPECS ARE PART OF THIS DRAWING:
CSAM012 SHIELDED CABLE INSTALLATION.
CES2716 WIRE TERMINATIONS.
 - 8. GROUND SHIELDS TO THE BACKSHELL OF THE CONNECTOR USING THE GARMIN SUPPLIED GROUNDING LUGS ON THE CONNECTOR. SHIELD WIRES SHOULD BE NO LONGER THAN 3". REFER TO GARMIN DOCUMENT 190-00313-09 FOR SHIELD BLOCK INSTALLATION INSTRUCTIONS.



3924158_1

DUAL AXIS AUTOPILOT
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

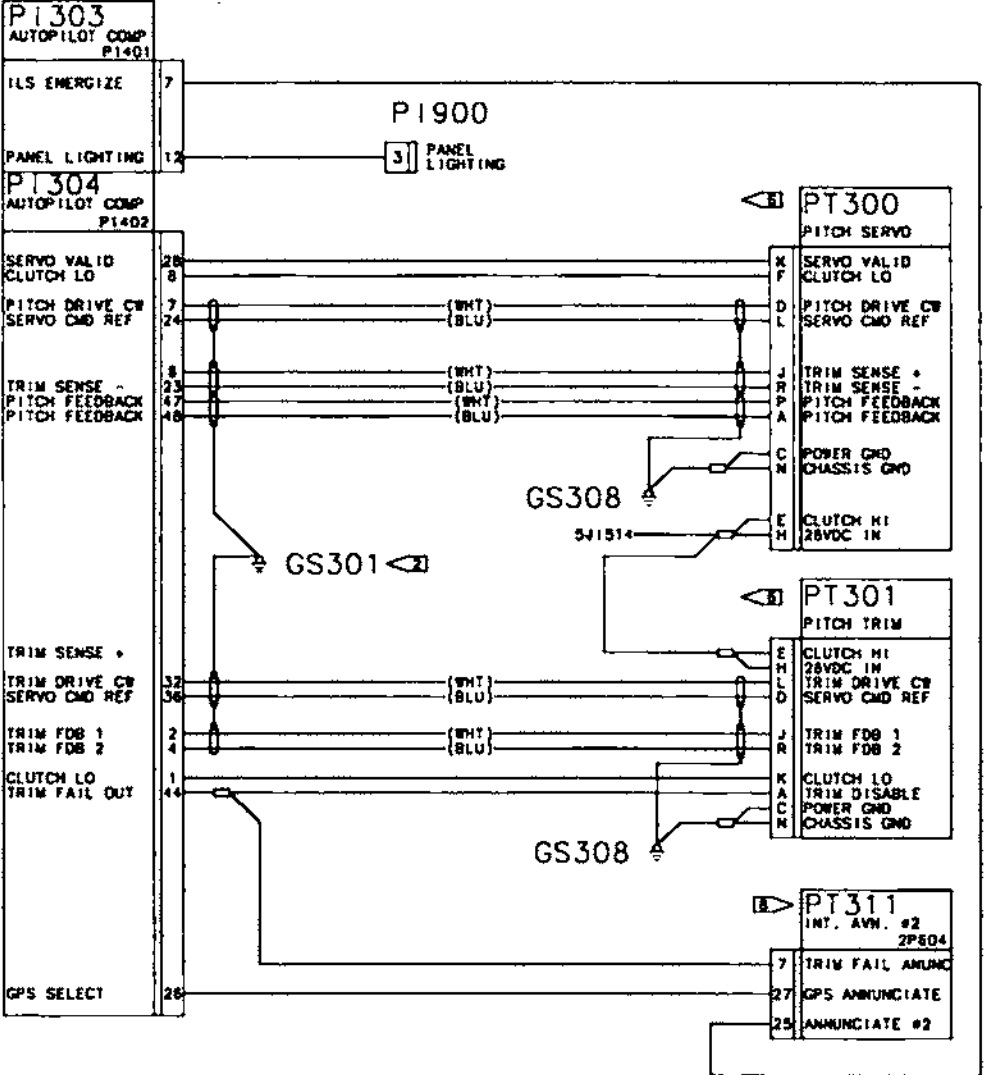
MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
01			DUAL AXIS AUTOPILOT		
			172B1357 & ON		
			172S10432 & ON		
			WITH NAV III AVIONICS		
GS301	3910276-2		GROUND STUD WING LEVELER COMPUTER (ZONE 225)		01 R
JC023	S2350-10		CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)	81241 & ON 9810 & ON	01 R
-	S2353-5		.. PIN		AR R
J1514	S1641-9		CONNECTOR PILOT'S CONTROL WHEEL DISCONNECT (ZONE 222)		01 R
-	S1636-1		.. SOCKET		AR R
PF902	SK2701		CONNECTOR GROUND (ZONE 221)	V28198	01 R
-	FC116N2		.. CONTACT		AR R
-	FC120N2		.. CONTACT	V28198	AR R
PF903	SK2701		CONNECTOR (ZONE 221)	V28198	01 R
-	FC116N2		.. CONTACT	V28198	AR R
-	FC120N2		.. CONTACT		AR R
PI303	030-01175-0000		CONNECTOR WING LEVELER COMPUTER (ZONE 225)		01 R
-	050-03375-0001		PART OF ALLIED SIGNAL KIT 050-03375-0001		
PI304	030-01176-0000		CONNECTOR KIT		01 R
-	050-03375-0000		CONNECTOR AUTOPILOT COMPUTER DISCONNECT (ZONE 225)		01 R
-	050-03375-0000		PART OF ALLIED SIGNAL KIT 050-03375-0001		
PI305	030-01171-0000		CONNECTOR KIT		01 R
-	050-03245-0000		CONNECTOR CONFIGURATION MODULE DISCONNECT (ZONE 220)	V22373	01 R
-	033-00230-0000		PART OF ALLIED SIGNAL KIT 050-03245-0000		
PI306	050-03375-0000		CONNECTOR KIT	V22373	01 R
-	050-03375-0000		CONNECTOR RS-232 INTERFACE (ZONE 120)		01 R
-	97-4106A14S-5S		PART OF ALLIED SIGNAL KIT 050-03375-0001		
PI307	97-3057-1007-1		CONNECTOR KIT		01 R
-	9755-1622S-4		CONNECTOR TURN COORDINATOR DISCONNECT (ZONE 220)	V77820	01 R
-			.. BACKSHELL	V77820	01 R
PI531			.. SOCKET	V77820	AR R
-			CONNECTOR AUDIO PANEL	81241 & ON 9810 & ON	RF R
-			PART OF GARMIN KIT 011-00813-00		
PI532			CONNECTOR AUDIO PANEL	81241 & ON 9810 & ON	RF R
-			PART OF GARMIN KIT 011-00813-00		
PS300	S1640-9		CONNECTOR ROLL SERVO ACTUATOR (ZONE 610)		01 R
-	S1635-1		.. CONTACT		AR R

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



- NOTES:
- 1 ALL WIRE 22 AWG, UNLESS OTHERWISE NOTED.
 - 2 GND STUD IS LOCATED ON THE BACK OF THE AUTOPILOT COMPUTER RACK.
 - 3 PART OF ALLIED SIGNAL INSTL KIT 050-03375-0001.
 - 4 PART OF ALLIED SIGNAL KIT 050-03245-0000.
 - 5 PART OF GARMIN KIT 011-01000-01 (REF).
 - 6 PART OF ALLIED SIGNAL INSTL KIT 050-00398-0000(2 REQ)
 - 7. THE FOLLOWING SPECS ARE PART OF THIS DRAWING:
CSAM012 SHIELDED CABLE INSTALLATION.
CES2716 WIRE TERMINATIONS.
 - 8 GROUND SHIELDS TO THE BACKSHELL OF THE CONNECTOR USING THE GARMIN SUPPLIED GROUNDING LUGS ON THE CONNECTOR. SHIELD WIRES SHOULD BE NO LONGER THAN 3". REFER TO GARMIN DOCUMENT 180-00313-09 FOR SHIELD BLOCK INSTALLATION INSTRUCTIONS.

DUAL AXIS AUTOPILOT
Figure 01 (Sheet 2)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

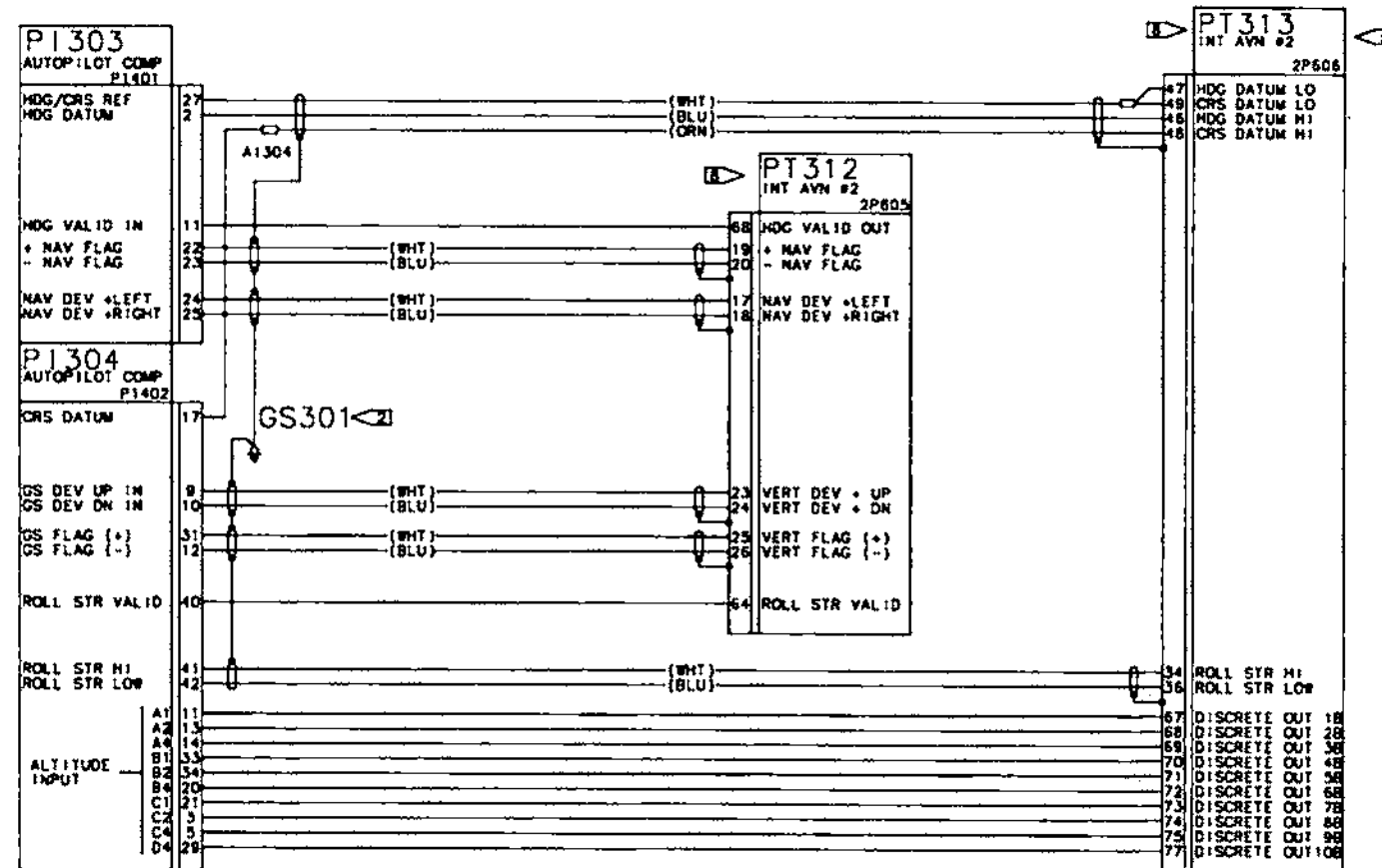
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
	DES			FROM TO	PER ASSY
01			DUAL AXIS AUTOPILOT		
			17281357 & ON		
			172S10432 & ON		
			WITH NAV III AVIONICS		
	GS301	3910276-2	. GROUND STUD WING LEVELER COMPUTER (ZONE 225)		01 R
	GS308	3910276-2	. GROUND STUD (ZONE 211)		01 R
	PI303	030-01175-0000	. CONNECTOR WING LEVELER COMPUTER (ZONE 225)		01 R
			PART OF ALLIED SIGNAL KIT 050-03375-0001		
		050-03375-0001	CONNECTOR KIT		01 R
	PI304	030-01176-0000	. CONNECTOR AUTOPILOT COMPUTER DISCONNECT (ZONE 225)		01 R
			PART OF ALLIED SIGNAL KIT 050-03375-0001		
		050-03375-0000	CONNECTOR KIT		01 R
	PI900	S3070-9	. CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01 R
		LMD6106P	. . BUSSING MODULE	V49367	01 R
		LMS01T-TL	. . SPLICE CONNECTOR	V49367	01 R
		S2353-5	. . PIN		ARR
	PT300	030-03248-0000	. CONNECTOR PITCH TRIM ACTUATOR (ZONE 310)		01 R
			PART OF ALLIED SIGNAL KIT 050-00398-0000		
		050-00398-0000	CONNECTOR KIT		02 R
	PT301	030-03248-0000	. CONNECTOR PITCH TRIM ACTUATOR (ZONE 310)		01 R
			PART OF ALLIED SIGNAL KIT 050-00398-0000		
		050-00398-0000	CONNECTOR KIT		02 R
	PT311	330-00185-44	. CONNECTOR INTEGRATED AVIONICS BOX 2		01 R
			PART OF GARMIN KIT 011-01000-00		

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

NOTES:

1. ALL WIRE 22 AWG, UNLESS OTHERWISE NOTED.
2. GND STUD IS LOCATED ON THE BACK OF THE AUTOPILOT COMPUTER RACK.
3. PART OF ALLIED SIGNAL INSTL KIT 050-03375-0001.
4. PART OF ALLIED SIGNAL KIT 050-03245-0000.
5. PART OF GARMIN KIT 011-01000-01 (REF).
6. PART OF ALLIED SIGNAL INSTL KIT 050-00398-0000(2 REQ).
7. THE FOLLOWING SPECS ARE PART OF THIS DRAWING:
 CSAM012 SHIELDED CABLE INSTALLATION.
 CES2716 WIRE TERMINATIONS.
8. GROUND SHIELDS TO THE BACKSHELL OF THE CONNECTOR USING THE GARMIN SUPPLIED GROUNDING LUGS ON THE CONNECTOR. SHIELD WIRES SHOULD BE NO LONGER THAN 3". REFER TO GARMIN DOCUMENT 190-00313-09 FOR SHIELD BLOCK INSTALLATION INSTRUCTIONS.



3924158_3

DUAL AXIS AUTOPILOT
 Figure 01 (Sheet 3)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
01			DUAL AXIS AUTOPILOT		
			172B1357 & ON		
			172S10432 & ON		
			WITH NAV III AVIONICS		
GS301	3910276-2		GROUND STUD WING LEVELER COMPUTER (ZONE 225)		01 R
PI303	030-01175-0000		CONNECTOR WING LEVELER COMPUTER (ZONE 225)		01 R
	050-03375-0001		PART OF ALLIED SIGNAL KIT 050-03375-0001		
-	PI304	030-01176-0000	CONNECTOR KIT		01 R
			CONNECTOR AUTOPILOT COMPUTER DISCONNECT (ZONE		01 R
			225)		
	050-03375-0000		PART OF ALLIED SIGNAL KIT 050-03375-0001		
-	PT312	330-00185-78	CONNECTOR KIT		01 R
			CONNECTOR INTEGRATED AVIONICS BOX 2	81272 & ON	01 R
			PART OF GARMIN KIT 011-01000-00	10102 & ON	
PT313	330-00185-78		CONNECTOR INTEGRATED AVIONICS BOX 2	81241 & ON	01 R
			PART OF GARMIN KIT 011-01000-00	9810 & ON	

- ITEM NOT ILLUSTRATED

CHAPTER

23

COMMUNICATIONS

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

<u>CHAPTER SECTION SUBJECT</u>		<u>NUMBER OF PAGES</u>	<u>DATE</u>
23-Title		1	
23-List of Effective Pages		1	Jan 1/2007
23-Record of Revisions		1	
23-Contents		1	Jan 1/2007
23-00-00		1	Jan 20/2006
23-20-01	Figure 01	2	Jan 20/2006
23-21-01	Figure 01	2	Jan 1/2007
	Figure 02	2	Jan 1/2007 Added
23-50-10	Figure 01	2	Jan 20/2006
	Figure 02	4	Jan 20/2006
	Figure 03	4	Jan 20/2006
	Figure 04	4	Jan 20/2006
23-50-20	Figure 01	4	Jan 20/2006
	Figure 02	2	Jan 20/2006
	Figure 03	4	Jan 20/2006
23-50-21	Figure 01	2	Jan 20/2006
	Figure 02	4	Jan 20/2006
	Figure 03	4	Jan 20/2006
23-50-22	Figure 01	4	Jan 20/2006
23-50-24	Figure 01	4	Jan 1/2007
	Figure 02	4	Jan 1/2007 Added
	Figure 03	4	Jan 1/2007 Added
23-50-25	Figure 01	2	Jan 1/2007
	Figure 02	2	Jan 1/2007 Added

CESSNA AIRCRAFT COMPANY MODEL 172 WIRING DIAGRAM MANUAL

RECORD OF REVISIONS

[illegible]

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

<u>SUBJECT</u>	<u>CHAPTER/ SECTION/ SUBJECT</u>	<u>FIGURE</u>	<u>EFFECTIVITY</u> <u>START</u> <u>END</u>
COMMUNICATIONS - GENERAL	23-00-00		
GDL-69 DATA LINK PROVISIONS	23-20-01	01	
GDL-69A FIS	23-21-01	01	
GDL-69A FIS	23-21-01	02	
AUDIO SYSTEM	23-50-10	01	
AUDIO SYSTEM	23-50-10	02	
AUDIO SYSTEM	23-50-10	03	
AUDIO SYSTEM	23-50-10	04	
AUDIO SYSTEM	23-50-20	01	
AUDIO SYSTEM	23-50-20	02	
AUDIO SYSTEM	23-50-20	03	
AUDIO SYSTEM	23-50-21	01	
AUDIO SYSTEM	23-50-21	02	
AUDIO SYSTEM	23-50-21	03	
AUDIO SYSTEM	23-50-22	01	
AUDIO SYSTEM	23-50-24	01	
AUDIO SYSTEM	23-50-24	02	
AUDIO SYSTEM	23-50-24	03	
INTEGRATED AVIONICS	23-50-25	01	
INTEGRATED AVIONICS	23-50-25	02	

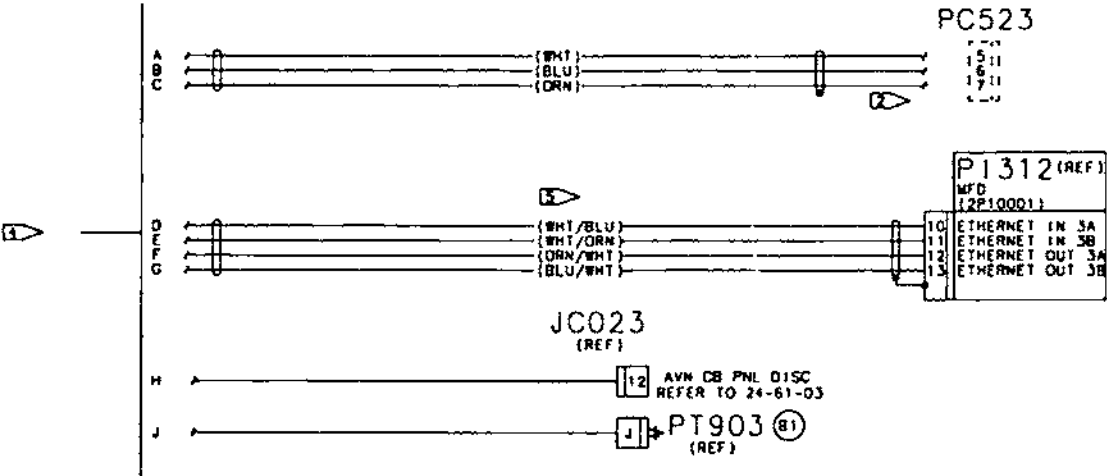
CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

COMMUNICATIONS - GENERAL

1. **General**

- I A. Refer to Chapter 34 for Comm #1 and Comm #2.

- NOTES:
- 1. ALL WIRE 22AWG UNLESS OTHERWISE NOTED.
 - 2. ROUTE THESE WIRES ADJACENT TO PC522 LOCATED IN THE PEDISTAL.
 - 3. THE FOLLOWING SPECS ARE PART OF THIS DRAWING:
CSAM012 SHIELDED CABLE INSTALLATION.
CES2716 WIRE TERMINATIONS.
 - 4. ROUTE WIRES ADJACENT TO THE TRANSPONDER PLUS 12".
CAP AND STOW ALL WIRES FOR FUTURE EQUIPMENT INSTALLATION.
 - 5. USE 392404 CABLE.



3927123B1

GDL-69 DATA LINK PROVISIONS
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

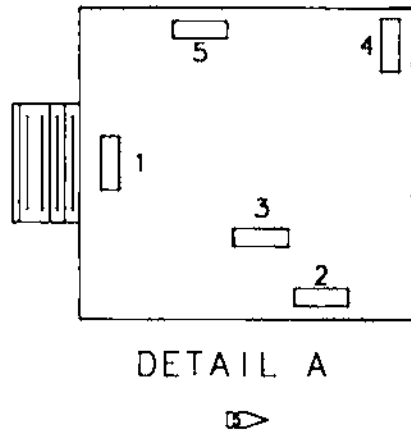
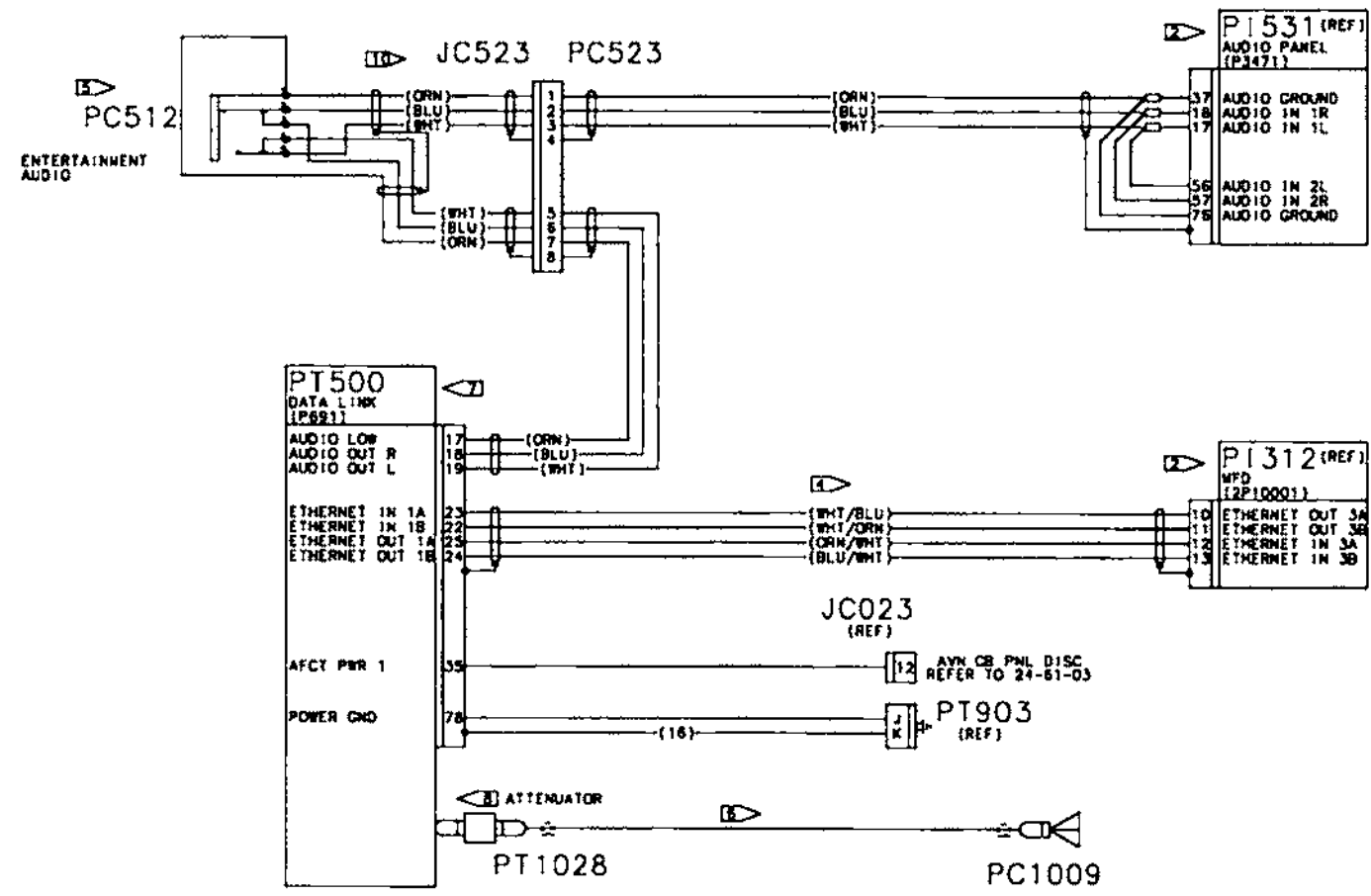
FIG REF DES	PART NUMBER	NOMENCLATURE						EFFECTIVITY		UNITS PER ASSY
		1	2	3	4	5	6	FROM	TO	
01		GDL-69 DATA LINK PROVISIONS								
		17281241 & ON								
		172S9810 & ON								
JC023	S2350-10	CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)						81241	& ON	01 R
								9810	& ON	
-	S2353-5	.. PIN								ARR
PC523	S3556-6	CONNECTOR						81241	& ON	01 R
								9810	& ON	
-	S3556-24	.. SOCKET								ARR
PI312	011-00820-00	CONNECTOR KIT (ZONE 225)						81241	& ON	01 R
								9810	& ON	
PT903	SK2701	CONNECTOR GROUND						81241	& ON	01 R
								9810	& ON	
-	FC116N2	.. CONTACT								ARR
-	FC120N2	.. CONTACT								ARR

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

NOTES:

1. ALL WIRE 22AWG UNLESS OTHERWISE NOTED.
2. GROUND SHIELDS TO THE BACKSHELL OF THE CONNECTOR USING THE GARMIN SUPPLIED GROUNDING BLOCK ON THE CONNECTOR. SHIELD WIRES MUST BE NO LONGER THAN 3".
3. THE FOLLOWING SPECS ARE PART OF THIS DRAWING:
CSAM012 SHIELDED CABLE INSTALLATION.
CES2716 WIRE TERMINATIONS.
4. USE 392404 CABLE.
5. DETAIL A SHOWS THE PHYSICAL LOCATION OF THE CONTACTS ON PC512.
6. CONNECTORS PT1028 AND PC1009 ARE PART OF ECS CABLE 500-96273-00.
7. PART OF GARMIN CONNECTOR KIT 011-00997-01.
8. INSTALL THE 50FFW-007-TNC ATTENUATOR DIRECTLY TO THE FIS RECEIVER.
9. 16 GAUGE WIRE IS PART OF GRAMIN TERMINATED WIRE GROUP.
10. THE WIRE LENGTH BETWEEN PC512 AND JC523 SHOULD BE 10" +/- 0.3".



3927125_1

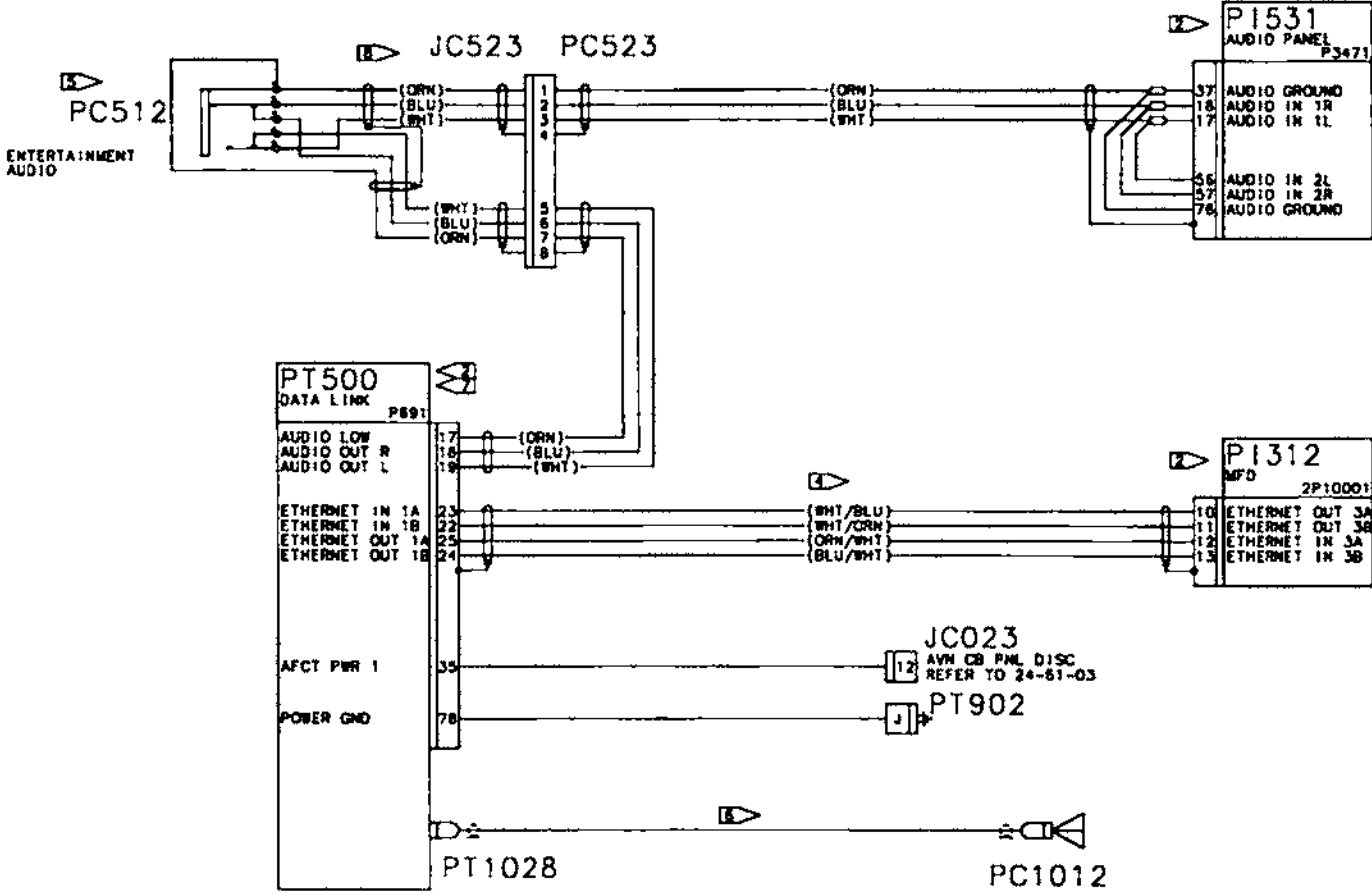
GDL-69A FIS
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
		1 2 3 4 5 6 7		
01		GDL-69A FIS 17281241 THRU 81356 172S9810 THRU 172S10431 WITH NAV III AVIONICS		
JC023	S2350-10	CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)	81241 & ON 9810 & ON	01
-	S2353-5	. . . PIN		AR
JC523	S3556-13	CONNECTOR	81241 & ON 9810 & ON	01
-	S3556-21	. . . PIN		AR
PC1009		CONNECTOR COAX, PART OF ECS CABLE 500-96273-00	81241 & ON 9810 & ON	RF
PC512	35RAPC4BH3	JACK ENTERTAINMENT AUDIO (ZONE 211)	V82389 80984 & ON 8704 & ON	01
PC523	S3556-6	CONNECTOR	81241 & ON 9810 & ON	01
-	S3556-24	. . . SOCKET		AR
PI312	011-00820-00	CONNECTOR KIT (ZONE 225)	81241 & ON 9810 & ON	01
PI531		CONNECTOR AUDIO PANEL	81241 & ON 9810 & ON	RF
PT1028		PART OF GARMIN KIT 011-00813-00 CONNECTOR COAX, PART OF ECS CABLE 500-96273-00	81241 & ON 9810 & ON	RF
PT500	011-00997-00	CONNECTOR KIT	81241 & ON 9810 & ON	01
PT903	SK2701	CONNECTOR GROUND	81241 81356 9810 10431	01
-	FC116N2	. . . CONTACT		AR
-	FC120N2	. . . CONTACT		AR

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



NOTES:

1. ALL WIRE 22AWG UNLESS OTHERWISE NOTED.
2. GROUND SHIELDS TO THE BACKSHELL OF THE CONNECTOR USING THE GARMIN SUPPLIED GROUNDING LUGS ON THE CONNECTOR. SHIELD WIRES SHOULD BE NO LONGER THAN 3". REFER TO GARMIN DOCUMENT 190-00313-09 FOR SHIELD BLOCK INSTALLATION INSTRUCTIONS.
3. THE FOLLOWING SPECS ARE PART OF THIS DRAWING:
CSAM012 SHIELDED CABLE INSTALLATION.
CES2718 WIRE TERMINATIONS.
4. USE 922204 CABLE.
5. DETAIL A SHOWS THE PHYSICAL LOCATION OF THE CONTACTS ON PC512.
6. CONNECTORS PT1028 AND PC1012 ARE PART OF ECS CABLE 500-10846-01. THE END OF THE CABLE THAT ATTACHES TO THE ANTENNA HAS A RED BAND ON IT.
7. PART OF GARMIN CONNECTOR KIT 011-00997-01.
8. THE WIRE LENGTH BETWEEN PC512 AND JC523 SHOULD BE 10" +/- 0.5".

3927134..1

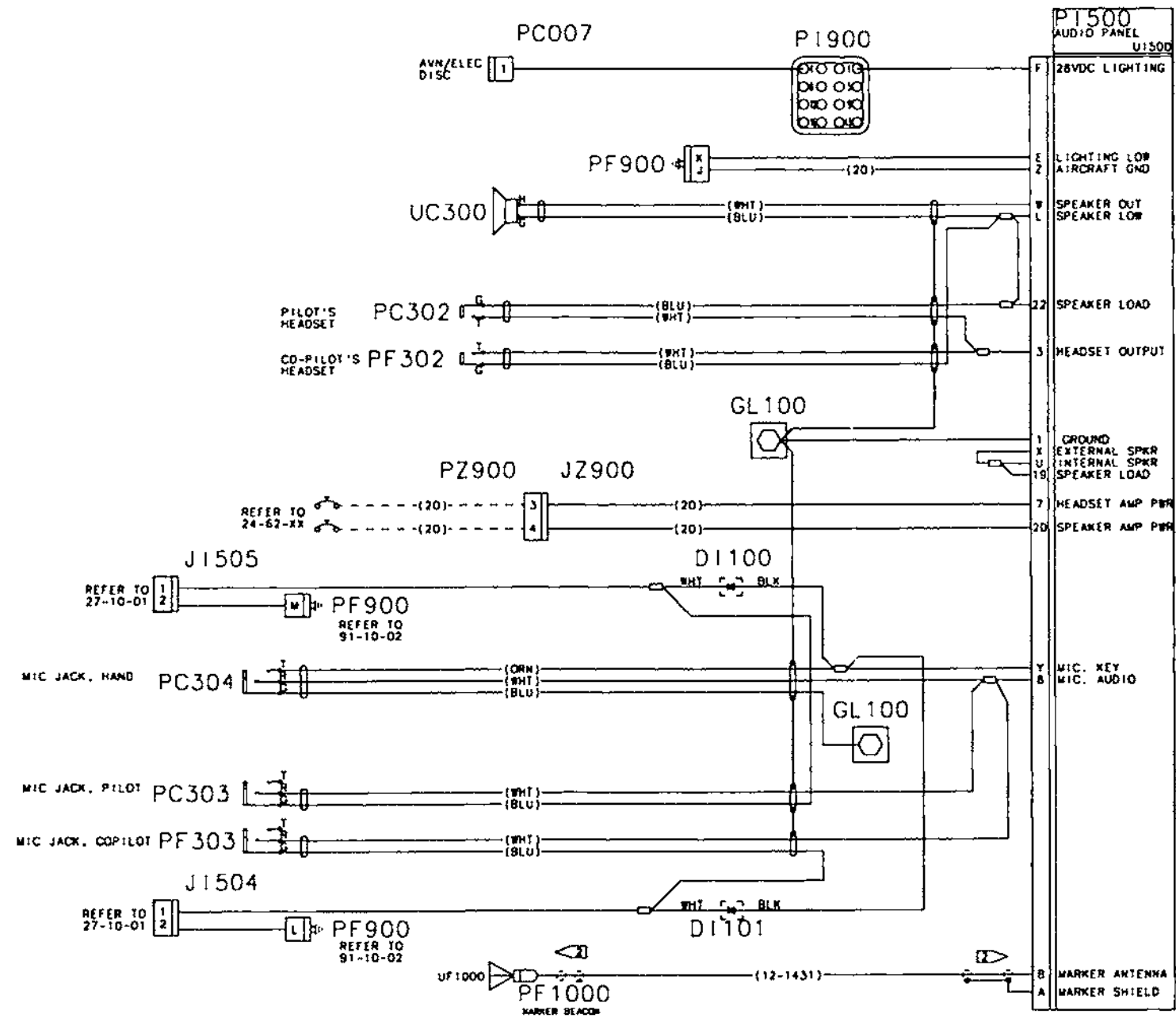
CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES		1 2 3 4 5 6 7		FROM TO	PER ASSY
02			GDL-69A FIS 17281357 & ON 172S10432 & ON WITH NAV III AVIONICS		
JC023	S2350-10		CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)	81241 & ON 9810 & ON	01 R
-	S2353-5		. . . PIN		AR R
JC523	S3556-13		CONNECTOR	81241 & ON 9810 & ON	01 R
-	S3556-21		. . . PIN		AR R
PC1012			CONNECTOR		RF R
PC512	35RAPC4BH3		JACK ENTERTAINMENT AUDIO (ZONE 211)	V82389 80984 & ON 8704 & ON	01 R
PC523	S3556-6		CONNECTOR	81241 & ON 9810 & ON	01 R
-	S3556-24		. . . SOCKET		AR R
PI312	011-00820-00		CONNECTOR KIT (ZONE 225)	81241 & ON 9810 & ON	01 R
PI531			CONNECTOR AUDIO PANEL	81241 & ON	RF R
PT1028			PART OF GARMIN KIT 011-00813-00 CONNECTOR COAX, PART OF ECS CABLE 500-96273-00	9810 & ON 81241 & ON	RF R
PT500	011-00997-00		CONNECTOR KIT	9810 & ON 81241 & ON	01 R
PT902	SK2701		CONNECTOR GROUND	81241 & ON 9810 & ON	01 R
-	FC120N2		. . . CONTACT		AR R

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

NOTES:
1. ALL WIRE 22GAUGE UNLESS OTHERWISE NOTED.
2. OUTER SHIELD TO BE UNGROUNDED AT PF1000. BOTH
INNER AND OUTER SHIELD TO BE GROUNDED TO
SHELL OF PT500.



3921108C1

AUDIO SYSTEM
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

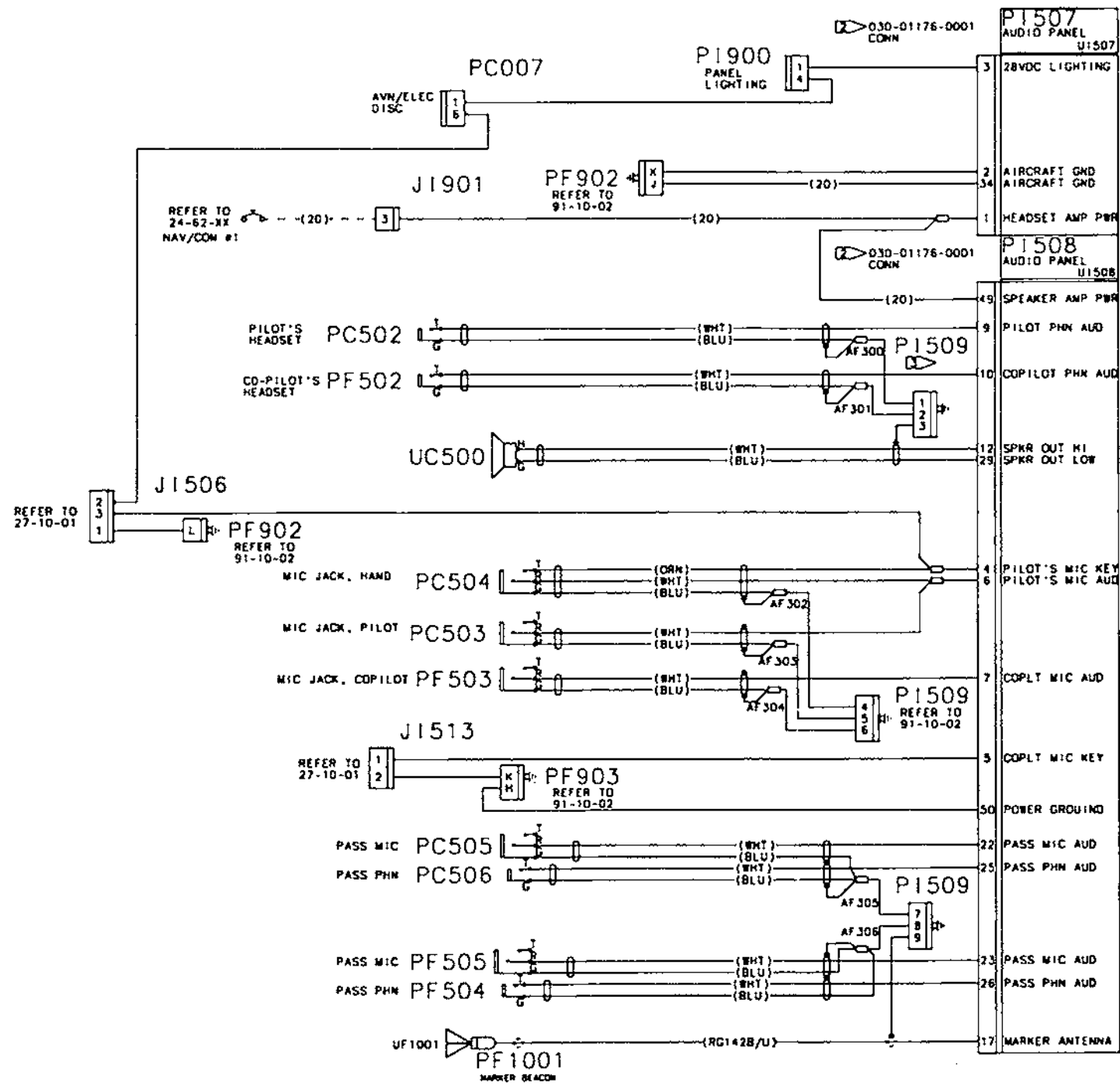
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
01			AUDIO SYSTEM		
			17280001 THRU 17280003		
			STANDARD		
	DI100	S3106-4	. DIODE		01
	DI101	S3106-4	. DIODE		01
	GL100	008-0041-00	. GROUND	V22373	01
	J1504	S2035-2	. CONNECTOR COPILOT'S CONTROL WHEEL (ZONE 221)		01
		S1636-1	. SOCKET		AR
	J1505	S1638-5	. CONNECTOR PILOT'S CONTROL WHEEL DISCONNECT (ZONE 220)		01
		S1636-1	. SOCKET		AR
	JZ900	S2350-3	. CONNECTOR (ZONE 220)		01
		S2353-4	. PINS		AR
		S2353-5	. PINS		AR
	PC007	S1640-9	. CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220)		01
		S1635-1	. PIN		AR
	PC302	S1612-1	. JACK PILOT'S HEADSET (ZONE 211)		01
	PC303	S1102-1	. JACK PILOT'S MIC (ZONE 211)		01
	PC304	S1102-1	. JACK PILOT'S HAND MIC (ZONE 211)		01
	PF1000	331178	. CONNECTOR MARKER BEACON ANTENNA (ZONE 310)	V00779 80001 80003	01
	PF302	S1612-1	. JACK CO-PILOT'S HEADSET (ZONE 211)		01
	PF303	S1102-1	. JACK CO-PILOT'S MIC (ZONE 211)		01
	PF900	S2526-1	. CONNECTOR GROUND (ZONE 221)		01
		203618-1	. SCREW	V00779	02
		S2099-4	. CONTACT		04
	PI500	030-1094-58	. PANEL AUDIO (ZONE 225)	V22373	01
		030-1107-46	. PIN	V22373	AR
	PI900	S3070-9	. CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01
		LMD6106P	. BUSSING MODULE	V49367	01
		LMS01T-TL	. SPLICE CONNECTOR	V49367	01
		S2353-5	. PIN		AR
	PZ900	S2349-1	. CONNECTOR WING LEVELER DISCONNECT (ZONE 220)		01
		S2099-3	. CONTACTS		AR
		S2099-4	. CONTACTS		AR
	UC300	C596504-0101	. SPEAKER AUDIO PANEL (ZONE 211)		01
		S1829-1	. TERMINAL		02
	UF1000	CI102	. ANTENNA MARKER BEACON		01
	UI500		. PANEL AUDIO		RF

- ITEM NOT ILLUSTRATED

Figure 01

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



NOTES:
1. ALL WIRE 22GAUGE UNLESS OTHERWISE NOTED.
2. PART OF ALLIED SIGNAL INSTALLATION KIT 030-03392-0000.
3. P1509 CONNECTOR IS P/N 030-01094-0004

392111481

AUDIO SYSTEM
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

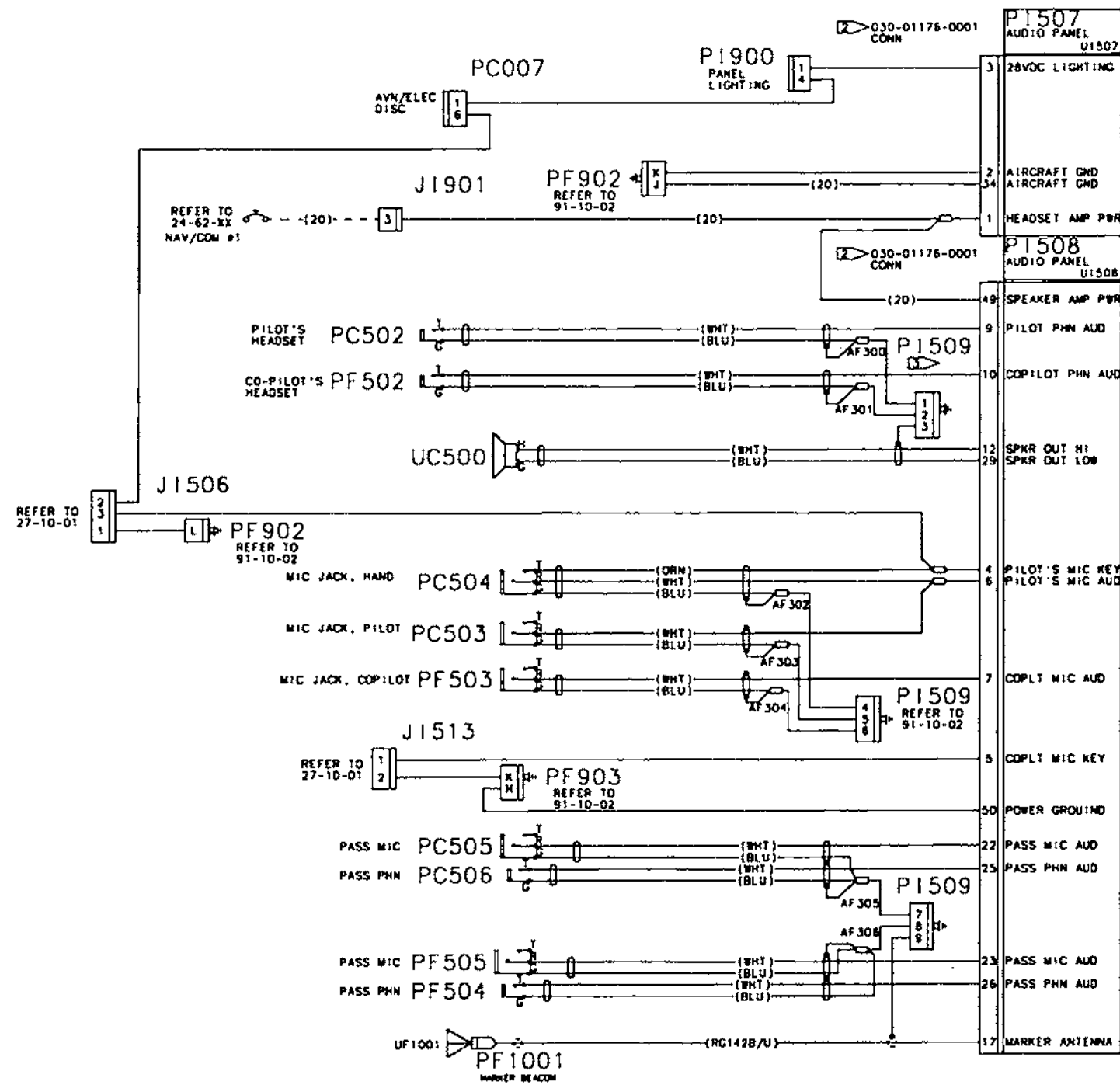
FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
		1 2 3 4 5 6 7		
02		AUDIO SYSTEM		
		17280004 THRU 17280983		
		172S8001 THRU 172S8703		
		STANDARD		
	AF300	. SPLICE		RF R
	AF301	. SPLICE		RF R
	AF302	. SPLICE		RF R
	AF303	. SPLICE		RF R
	AF304	. SPLICE		RF R
	AF305	. SPLICE		RF R
	AF306	. SPLICE		RF R
	J1506	S1641-6 . CONNECTOR PILOT'S CONTROL WHEEL DISCONNECT (ZONE 220)		01
		. SOCKET		AR
	J1513	S1636-1 . CONNECTOR COPILOT'S CONTROL WHEEL DISCONNECT (ZONE 221)		01
		S1641-6 . SOCKET		AR
	J1901	S1636-1 . CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01
		S2350-3 . PIN		AR
	PC007	S2353-5 . CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220).		01
		S1640-9 . PIN		AR
	PC502	S1635-1 . JACK PILOT'S HEADSET (ZONE 211)	80001 80983	01
		S1612-1	8001 8703	
	PC503	S1102-1 . JACK PILOT'S MIC (ZONE 211)	80001 80983	01
			8001 8703	
	PC504	S1102-1 . JACK HAND MIC (ZONE 220)	80001 80983	01
			8001 8703	
	PC505	S1102-1 . JACK PASSENGER MIC (ZONE 211)	80001 80983	01
			8001 8703	
	PC506	S1612-1 . JACK PASSENGER PHONE (ZONE 211)	80001 80983	01
			8001 8703	
	PF1001	UG88C/U . CONNECTOR MARKER BEACON ANTENNA DISCONNECT (ZONE 310)	80004 81097	01
			8001 9062	
	PF502	S1612-1 . JACK CO-PILOT'S HEADSET (ZONE 211)	80001 80983	01
			8001 8703	
	PF503	S1102-1 . JACK CO-PILOT'S MIC (ZONE 211)	80001 80983	01
			8001 8703	
	PF504	S1612-1 . JACK PASSENGER PHONE (ZONE 211)	80001 80983	01
			8001 8703	
	PF505	S1102-1 . JACK PASSENGER MIC (ZONE 211)	80001 80983	01
			8001 8703	
	PF902	SK2701 . CONNECTOR GROUND (ZONE 221)	V28198	01
		FC116N2 . CONTACT		AR
		FC120N2 . CONTACT	V28198	AR
	PF903	SK2701 . CONNECTOR (ZONE 221)	V28198	01
		FC116N2 . CONTACT	V28198	AR
		FC120N2 . CONTACT		AR
	PI507	050-03392-0000 . CONNECTOR KIT AUDIO PANEL (ZONE 225)		01
	PI508	050-03392-0000 . CONNECTOR KIT AUDIO PANEL (ZONE 225)		01
	PI509	030-01094-0004 . CONNECTOR AUDIO PANEL (ZONE 225)	V22373	01
	PI900	S3070-9 . CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01
		LMD6106P . BUSSING MODULE	V49367	01
		LMS01T-TL . SPLICE CONNECTOR	V49367	01
		S2353-5 . PIN		AR
	UC500	C596504-0101 . SPEAKER (ZONE 211)		01
		S1829-1 . TERMINAL		02
	UF1001	CI102 . ANTENNA MARKER BEACON (ZONE 310)		01
	UI507	066-01155-0101 . PANEL AUDIO (ZONE 225)	V22373 80001 80601	01
		066-01155-0201 . ALTERNATE FOR 066-01155-0101	V22373	01
	UI507	066-01155-0201 . PANEL AUDIO (ZONE 225)	V22373 80602 80720	01
			8001 8189	
	UI507	S3100-160 . PANEL AUDIO (ZONE 225)	80721 80983	01
			8190 8703	

- ITEM NOT ILLUSTRATED

Figure 02

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



NOTES:
1. ALL WIRE 22GAUGE UNLESS OTHERWISE NOTED.
2. PART OF ALLIED SIGNAL INSTALLATION KIT 030-03392-0000.
3. P1509 CONNECTOR IS P/N 030-01094-0004

3921114B1

AUDIO SYSTEM
Figure 02 (Sheet 1)

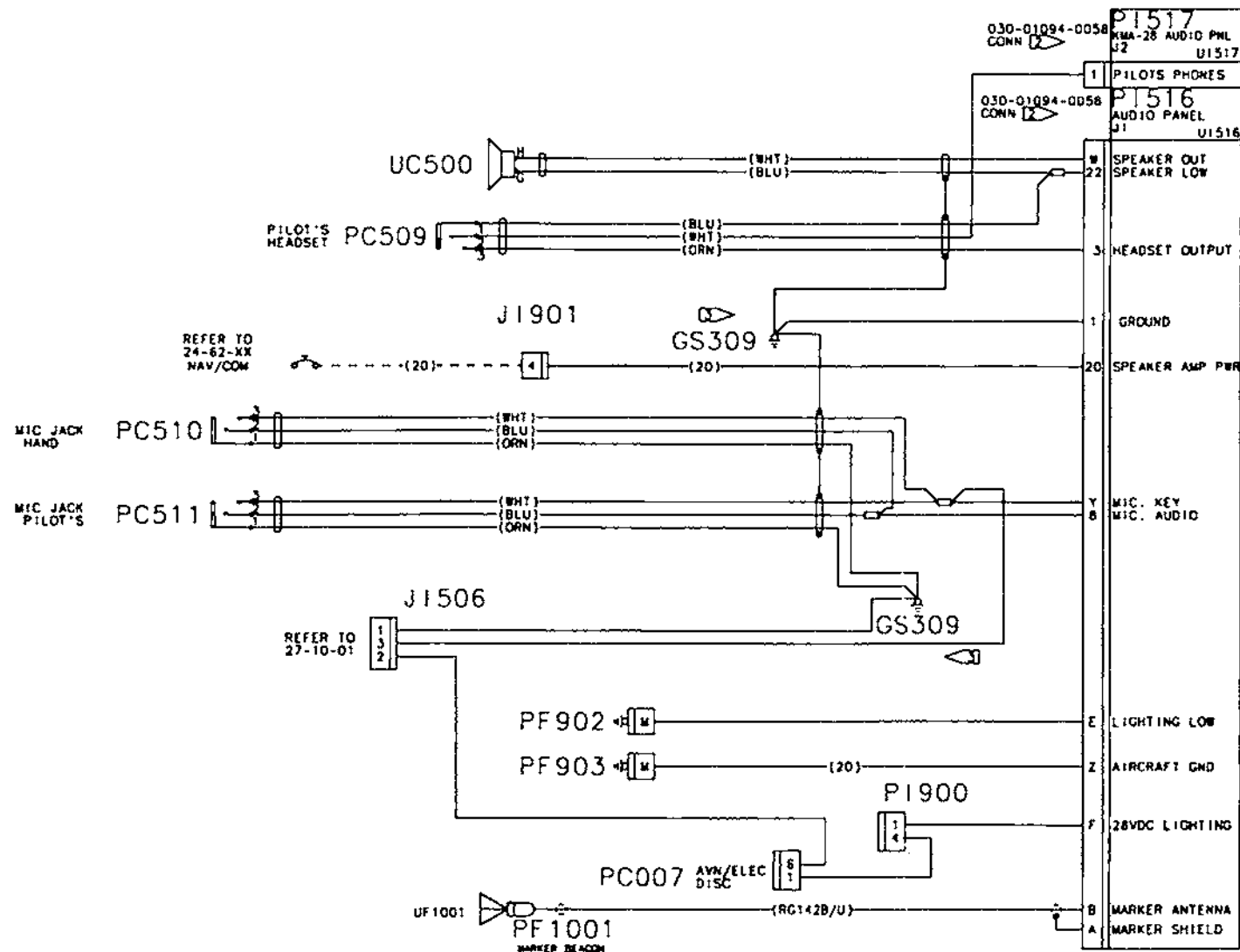
CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
	1234567			
UI508		PANEL AUDIO		RF

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

- NOTES:
- 1. ALL WIRE 22GAUGE UNLESS OTHERWISE NOTED.
 - 2. CONNECTOR PART OF ALLIED SIGNAL INSTALLATION KIT 050-03613-0001
 - 3. GROUND STUDS ARE LOCATED ON THE BACK OF THE KWA-28 MOUNTING RACK.
 - 4. REFER TO DETAIL A FOR PINS ON ENTERTAINMENT JACK.



3921144A1

AUDIO SYSTEM
Figure 03 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

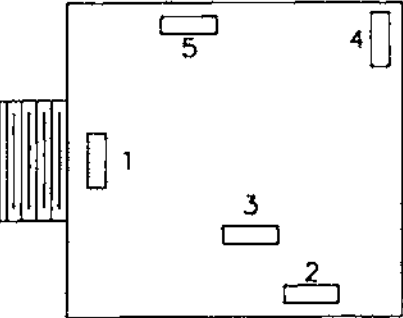
FIG REF DES	PART NUMBER	1 2 3 4 5 6 7	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
03			AUDIO SYSTEM		
			17280984 THRU 17281097		
			172S8704 THRU 172S9062		
			STANDARD, NAV I, NAV I W/ADF		
GS309	3910276-2		GROUND STUD (ZONE 225)		01
J1506	S1641-6		CONNECTOR PILOT'S CONTROL WHEEL DISCONNECT (ZONE 220)		01
-	S1636-1		SOCKET		AR
J1901	S2350-3		CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01
-	S2353-5		PIN		AR
PC007	S1640-9		CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220)		01
-	S1635-1		PIN		AR
PC509	N112B		JACK PILOT'S HEADSET (ZONE 211)	V82389 80984 & ON	01
				8704 & ON	
PC510	MNS112B		JACK HAND MIC (ZONE 211)	V82389 80984 & ON	01
				8704 & ON	
PC511	MNS112B		JACK PILOT'S MIC (ZONE 211)	V82389 80984 & ON	01
				8704 & ON	
PF1001	UG88C/U		CONNECTOR MARKER BEACON ANTENNA DISCONNECT (ZONE 310)	80004 81097	01
				8001 9062	
PF902	SK2701		CONNECTOR GROUND (ZONE 221)	V28198	01
-	FC116N2		CONTACT		AR
-	FC120N2		CONTACT	V28198	AR
PF903	SK2701		CONNECTOR (ZONE 221)	V28198	01
-	FC116N2		CONTACT	V28198	AR
-	FC120N2		CONTACT		AR
PI516	030-01094-0058		CONNECTOR AUDIO PANEL DISCONNECT (ZONE 225)		01
-	050-03613-0001		CONNECTOR KIT		01
PI517	030-01094-0058		CONNECTOR AUDIO PANEL DISCONNECT (ZONE 225)		01
-	050-03613-0001		CONNECTOR KIT		01
PI900	S3070-9		CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01
-	LMD6106P		BUSSING MODULE	V49367	01
-	LMS01T-TL		SPLICE CONNECTOR	V49367	01
-	S2353-5		PIN		AR
UC500	C596504-0101		SPEAKER (ZONE 211)		01
-	S1829-1		TERMINAL		02
UF1001	CI102		ANTENNA MARKER BEACON (ZONE 310)		01
UI516	3910310-19		AUDIO PANEL KMA-28	80984 & ON	01
				8704 & ON	
UI517			AUDIO PANEL		RF

- ITEM NOT ILLUSTRATED

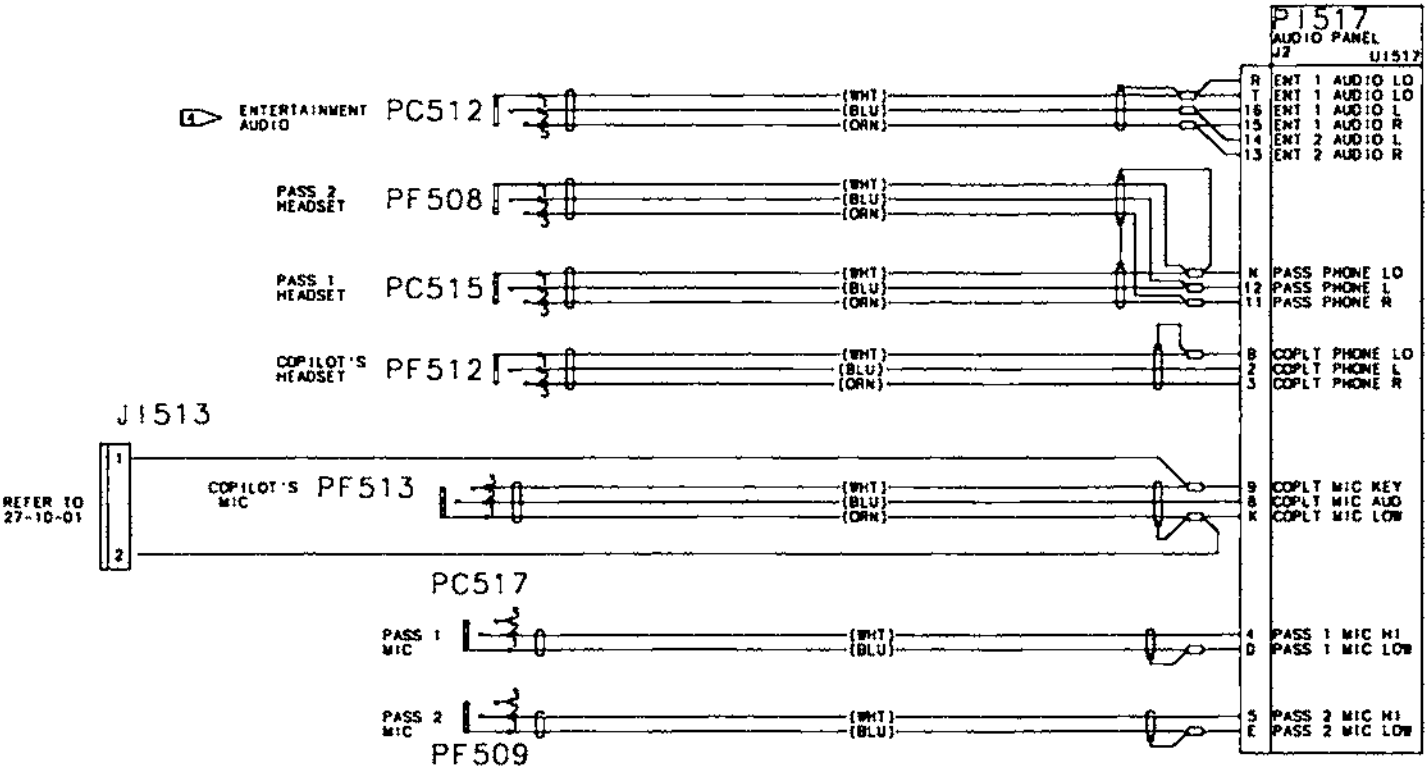
Figure 03

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



DETAIL A



- NOTES:
- 1. ALL WIRE 22GAUGE UNLESS OTHERWISE NOTED.
 - 2. CONNECTOR PART OF ALLIED SIGNAL INSTALLATION KIT 050-03613-0001
 - 3. GROUND STUDS ARE LOCATED ON THE BACK OF THE KMA-28 MOUNTING RACK.
 - 4. REFER TO DETAIL A FOR PINS ON ENTERTAINMENT JACK.

AUDIO SYSTEM
Figure 03 (Sheet 2)

3921144A2

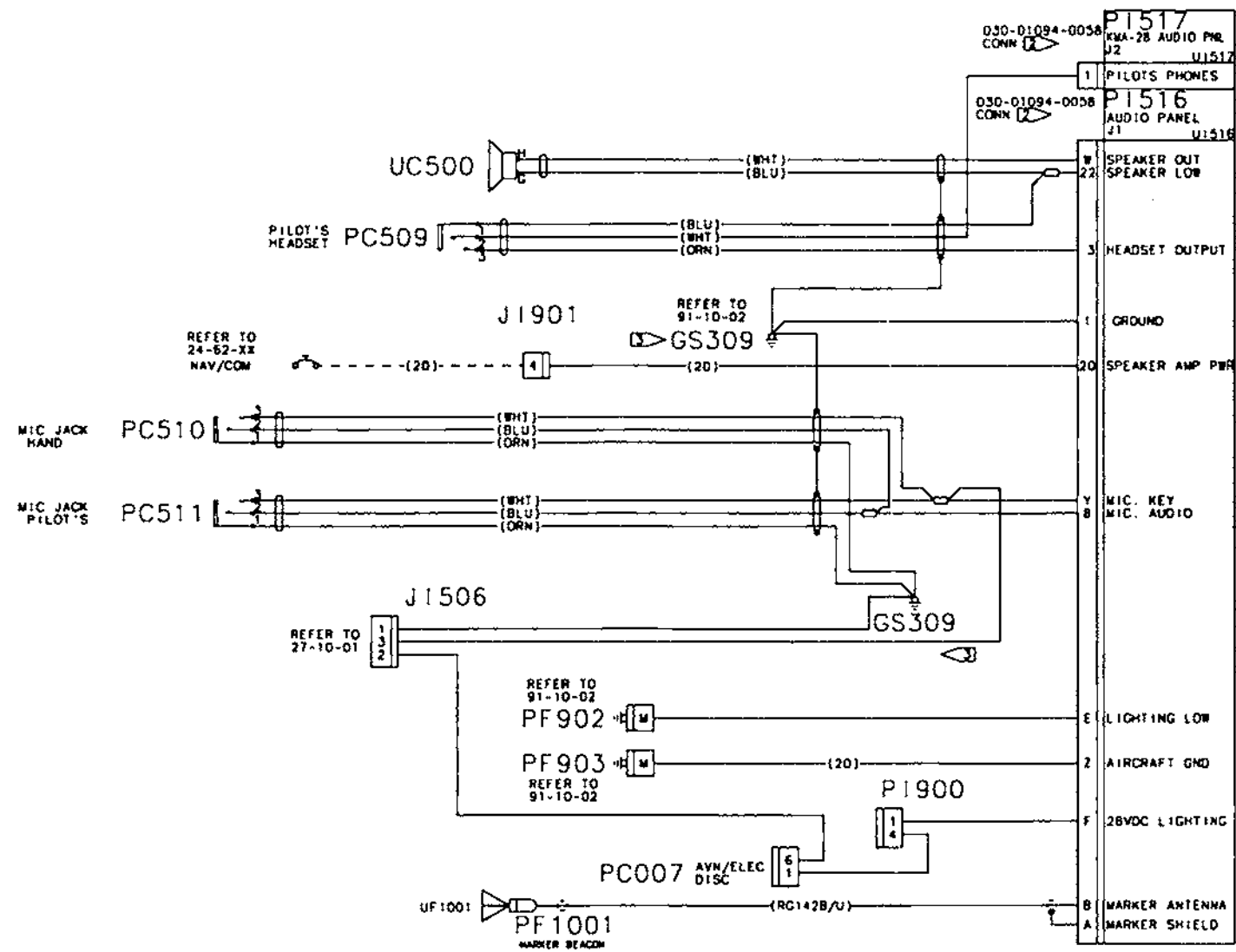
CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
		1 2 3 4 5 6 7		
03		AUDIO SYSTEM 17280984 THRU 17281097 172S8704 THRU 172S9062 STANDARD, NAV I, NAV I W/ADF CONNECTOR COPILOT'S CONTROL WHEEL DISCONNECT (ZONE 221)		01 R
J1513	S1641-6	SOCKET		AR R
PC512	S1636-1 35RAPC4BH3	JACK ENTERTAINMENT AUDIO (ZONE 211)	V82389 80984 & ON 8704 & ON	01
PC515	N112B	JACK PASSENGER 1 HEADSET (ZONE 211)	V82389 80984 & ON 8704 & ON	01
PC517	MNS112B	JACK PASSENGER 1 MIC (ZONE 211)	V82389 80984 & ON 8704 & ON	01
PF508	N112B	JACK PASSENGER HEADSET (ZONE 211)	V82389 80984 & ON 8704 & ON	01
PF509	MNS112B	JACK PASSENGER 2 MIC (ZONE 211)	V82389 80984 & ON 8704 & ON	01
PF512	N112B	JACK COPILOT'S HEADSET (ZONE 211)	V82389 80984 & ON 8704 & ON	01
PF513	MNS112B	JACK COPILOT'S MIC (ZONE 211)	V82389 80984 & ON 8704 & ON	01 R
PI517	030-01094-0058	CONNECTOR AUDIO PANEL DISCONNECT (ZONE 225)		01
UI517	050-03613-0001	CONNECTOR KIT		01
		AUDIO PANEL		RF

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

- NOTES:
- 1. ALL WIRE 22GAUGE UNLESS OTHERWISE NOTED.
 - 2. CONNECTOR PART OF KMA-28 INSTALLATION KIT 050-03613-0001
 - 3. GROUND STUDS ARE LOCATED ON THE BACK OF THE KMA-28 MOUNTING RACK.



3921148_1

AUDIO SYSTEM
Figure 04 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

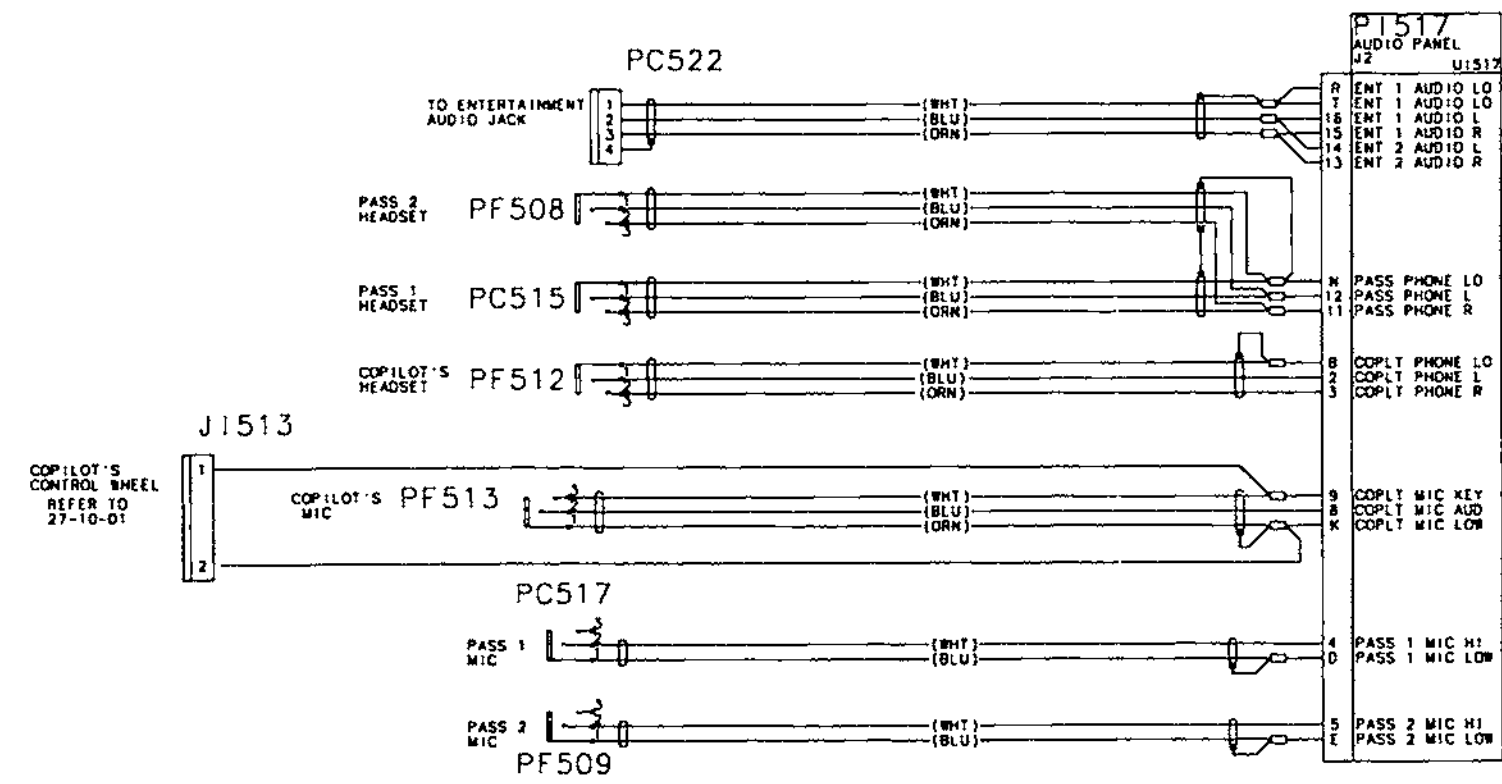
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
04			AUDIO SYSTEM		
			17281098 & ON		
			172S9063 & ON		
			STANDARD, NAV I, NAV I W/ADF		
GS309	3910276-2		GROUND STUD (ZONE 225)		01
J1506	S1641-6		CONNECTOR PILOT'S CONTROL WHEEL DISCONNECT (ZONE 220)		01
	S1636-1		SOCKET		AR
J1901	S2350-3		CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01
	S2353-5		PIN		AR
PC007	S1640-9		CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220)		01
	S1635-1		PIN		AR
PC509	N112B		JACK PILOT'S HEADSET (ZONE 211)	V82389 80984 & ON	01
				8704 & ON	
PC510	MNS112B		JACK HAND MIC (ZONE 211)	V82389 80984 & ON	01
				8704 & ON	
PC511	MNS112B		JACK PILOT'S MIC (ZONE 211)	V82389 80984 & ON	01
				8704 & ON	
PF1001	S3284-1		CONNECTOR MARKER BEACON ANTENNA DISCONNECT (ZONE 310)	81098 & ON	01
				9063 & ON	
PF902	SK2701		CONNECTOR GROUND (ZONE 221)	V28198	01
	FC116N2		CONTACT		AR
	FC120N2		CONTACT	V28198	AR
PF903	SK2701		CONNECTOR (ZONE 221)	V28198	01
	FC116N2		CONTACT	V28198	AR
	FC120N2		CONTACT		AR
PI516	030-01094-0058		CONNECTOR AUDIO PANEL DISCONNECT (ZONE 225)		01
	050-03613-0001		CONNECTOR KIT		01
PI517	030-01094-0058		CONNECTOR AUDIO PANEL DISCONNECT (ZONE 225)		01
	050-03613-0001		CONNECTOR KIT		01
PI900	S3070-9		CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01
	LMD6106P		BUSSING MODULE	V49367	01
	LMS01T-TL		SPLICE CONNECTOR	V49367	01
	S2353-5		PIN		AR
UC500	C596504-0101		SPEAKER (ZONE 211)		01
	S1829-1		TERMINAL		02
UF1001	CI102		ANTENNA MARKER BEACON (ZONE 310)		01 R
UI516	3910310-19		AUDIO PANEL KMA-28	80984 & ON	01
				8704 & ON	
UI517			AUDIO PANEL		RF

- ITEM NOT ILLUSTRATED

Figure 04

Page 1



3921148_2

AUDIO SYSTEM
Figure 04 (Sheet 2)

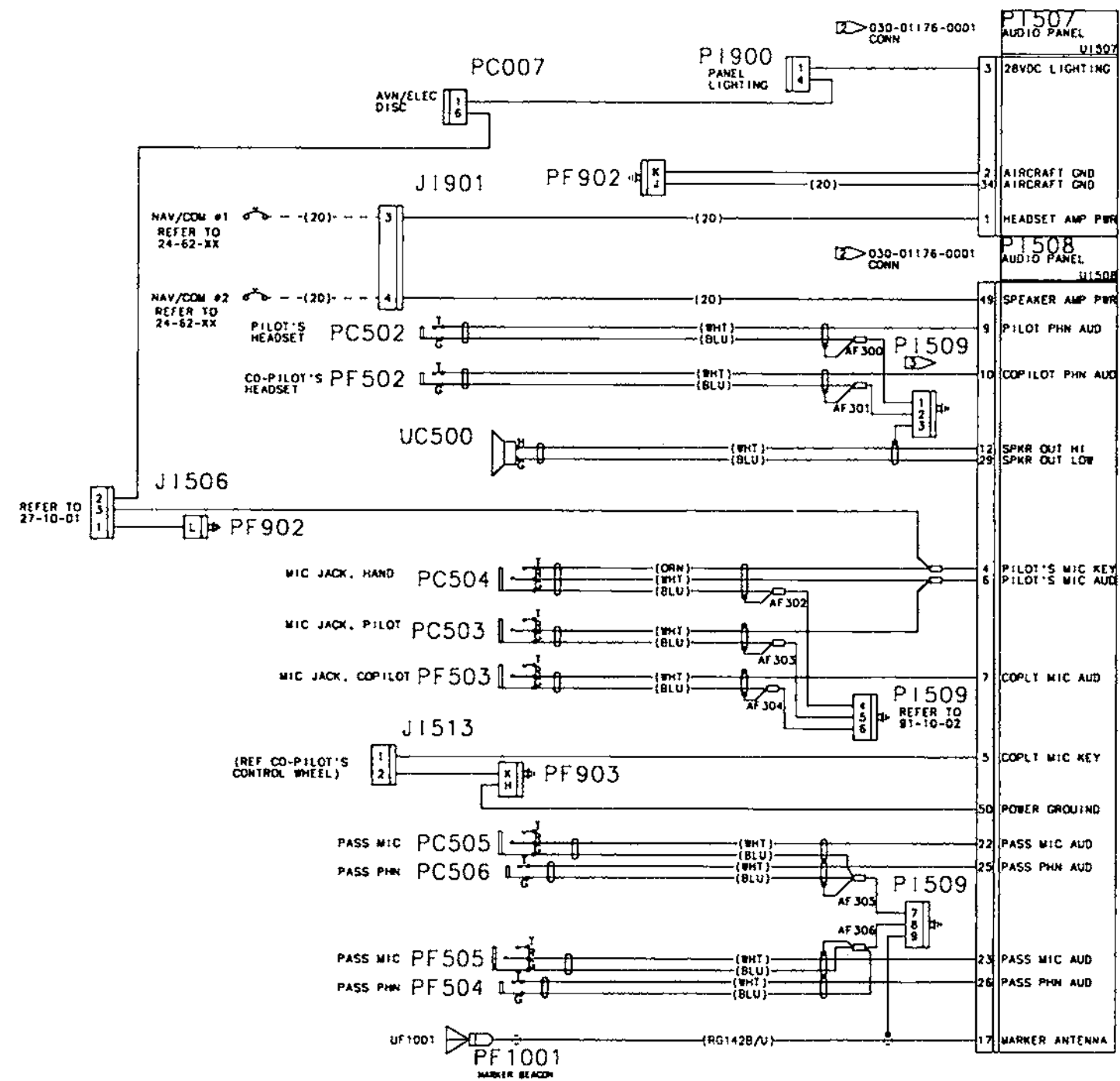
CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES		1 2 3 4 5 6 7		FROM TO	PER ASSY
04			AUDIO SYSTEM		
			17281098 & ON		
			172S9063 & ON		
			STANDARD, NAV I, NAV I W/ADF		
	J1513	S1641-6	CONNECTOR COPILOT'S CONTROL WHEEL DISCONNECT (ZONE 221)		01
		S1636-1	SOCKET		AR
	PC515	N112B	JACK PASSENGER 1 HEADSET (ZONE 211)	V82389 80984 & ON	01
				8704 & ON	
	PC517	MNS112B	JACK PASSENGER 1 MIC (ZONE 211)	V82389 80984 & ON	01
				8704 & ON	
	PC522	S3556-4	CONNECTOR ENTERTAINMENT AUDIO JACK (ZONE 211)	81098 & ON	01
				9063 & ON	
		S3556-24	SOCKET		AR
	PF508	N112B	JACK PASSENGER HEADSET (ZONE 211)	V82389 80984 & ON	01
				8704 & ON	
	PF509	MNS112B	JACK PASSENGER 2 MIC (ZONE 211)	V82389 80984 & ON	01
				8704 & ON	
	PF512	N112B	JACK COPILOT'S HEADSET (ZONE 211)	V82389 80984 & ON	01
				8704 & ON	
	PF513	MNS112B	JACK COPILOT'S MIC (ZONE 211)	V82389 80984 & ON	01 R
				8704 & ON	
	PI517	030-01094-0058	CONNECTOR AUDIO PANEL DISCONNECT (ZONE 225)		01
		050-03613-0001	CONNECTOR KIT		01
	UI517		AUDIO PANEL		RF

- ITEM NOT ILLUSTRATED



NOTES:
1. ALL WIRE 22GAUGE UNLESS OTHERWISE NOTED.
2. PART OF ALLIED SIGNAL INSTALLATION KIT 030-03392-0000.
3. P1509 CONNECTOR IS P/M 030-01094-0004

3921109B1

AUDIO SYSTEM
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

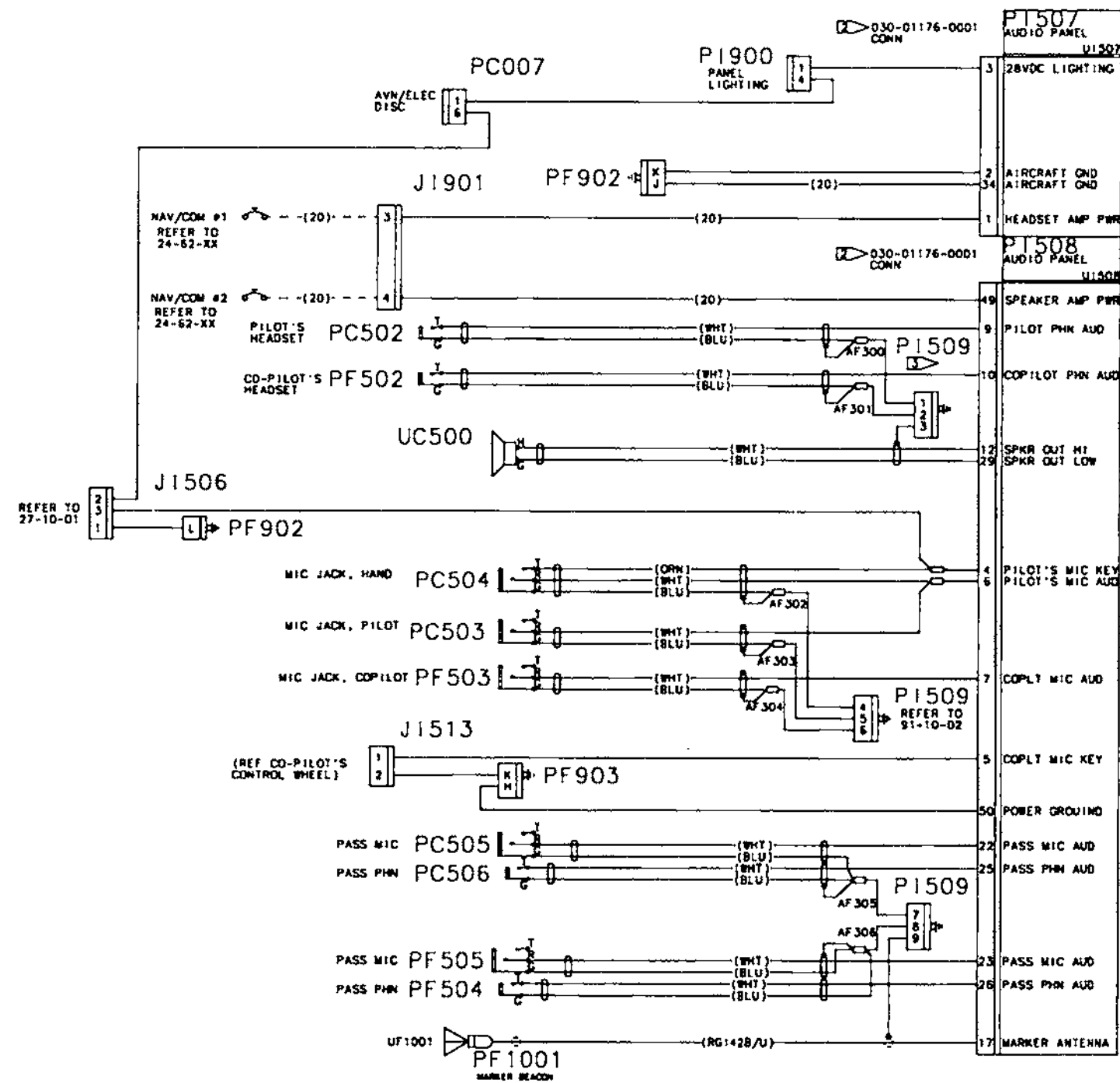
FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
		1 2 3 4 5 6 7		
01		AUDIO SYSTEM		
		17280001 THRU 17280830		
		172S8001 THRU 172S8347		
		NAV I, NAV II W/HSI		
		17280694 THRU 17280830		
		172S8113 THRU 172S8347		
AF300		. SPLICE		RF R
AF301		. SPLICE		RF R
AF302		. SPLICE		RF R
AF303		. SPLICE		RF R
AF304		. SPLICE		RF R
AF305		. SPLICE		RF R
AF306		. SPLICE		RF R
J1506	S1641-6	. CONNECTOR PILOT'S CONTROL WHEEL DISCONNECT (ZONE 220)		01
	S1636-1	. . SOCKET		AR
J1513	S1641-6	. CONNECTOR COPILOT'S CONTROL WHEEL DISCONNECT (ZONE 221)		01
	S1636-1	. . SOCKET		AR
J1901	S2350-3	. CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01
	S2353-5	. . PIN		AR
PC007	S1640-9	. CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220).		01
	S1635-1	. . PIN		AR
PC502	S1612-1	. JACK PILOT'S HEADSET (ZONE 211)	80001 80983	01
			8001 8703	
PC503	S1102-1	. JACK PILOT'S MIC (ZONE 211)	80001 80983	01
			8001 8703	
PC504	S1102-1	. JACK HAND MIC (ZONE 220)	80001 80983	01
			8001 8703	
PC505	S1102-1	. JACK PASSENGER MIC (ZONE 211)	80001 80983	01
			8001 8703	
PC506	S1612-1	. JACK PASSENGER PHONE (ZONE 211)	80001 80983	01
			8001 8703	
PF1001	UG88C/U	. CONNECTOR MARKER BEACON ANTENNA DISCONNECT (ZONE 310)	80004 81097	01
			8001 9062	
PF502	S1612-1	. JACK CO-PILOT'S HEADSET (ZONE 211)	80001 80983	01
			8001 8703	
PF503	S1102-1	. JACK CO-PILOT'S MIC (ZONE 211)	80001 80983	01
			8001 8703	
PF504	S1612-1	. JACK PASSENGER PHONE (ZONE 211)	80001 80983	01
			8001 8703	
PF505	S1102-1	. JACK PASSENGER MIC (ZONE 211)	80001 80983	01
			8001 8703	
PF902	SK2701	. CONNECTOR GROUND (ZONE 221)	V28198	01
	FC116N2	. . CONTACT		AR
	FC120N2	. . CONTACT	V28198	AR
PF903	SK2701	. CONNECTOR (ZONE 221)	V28198	01
	FC116N2	. . CONTACT	V28198	AR
	FC120N2	. . CONTACT		AR
PI507	050-03392-0000	. CONNECTOR KIT AUDIO PANEL (ZONE 225)		01
PI508	050-03392-0000	. CONNECTOR KIT AUDIO PANEL (ZONE 225)		01
PI509	030-01094-0004	. CONNECTOR AUDIO PANEL (ZONE 225)	V22373	01
PI900	S3070-9	. CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01
	LMD6106P	. . BUSSING MODULE	V49367	01
	LMS01T-TL	. . SPLICE CONNECTOR	V49367	01
	S2353-5	. . PIN		AR
UC500	C596504-0101	. SPEAKER (ZONE 211)		01
	S1829-1	. . TERMINAL		02
UF1001	CI102	. ANTENNA MARKER BEACON (ZONE 310)		01
UI507	066-01155-0101	. PANEL AUDIO (ZONE 225)	V22373 80001 80601	01
	066-01155-0201	. ALTERNATE FOR 066-01155-0101	V22373	01
UI507	066-01155-0201	. PANEL AUDIO (ZONE 225)	V22373 80602 80720	01
			8001 8189	

- ITEM NOT ILLUSTRATED

Figure 01

Page 1

NOTES:
1. ALL WIRE 22GAUGE UNLESS OTHERWISE NOTED.
2. PART OF ALLIED SIGNAL INSTALLATION KIT 030-03392-0000.
3. P1509 CONNECTOR IS P/M 030-01094-0004



392110981

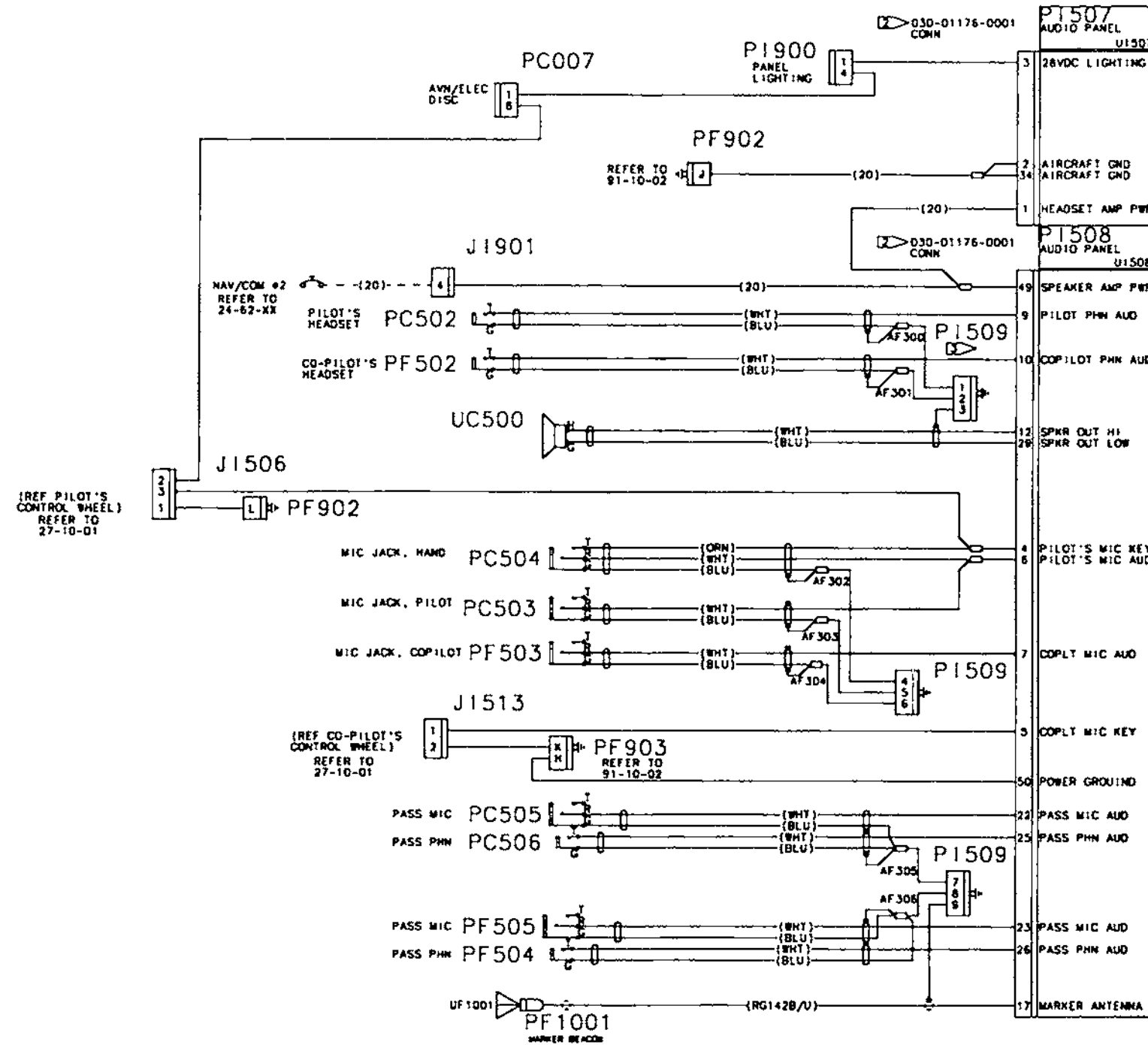
AUDIO SYSTEM
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
	DES	1 2 3 4 5 6 7		FROM TO	PER ASSY
	UI507	S3100-160	. PANEL AUDIO (ZONE 225)	80721 80983	01
	UI508		. PANEL AUDIO	8190 8703	RF

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



NOTES:
1 ALL WIRE 22GAUGE UNLESS OTHERWISE NOTED.
2 PART OF ALLIED SIGNAL INSTALLATION KIT 050-03392-0000.
3 P1509 CONNECTOR IS P/N 030-01094-0004

3921128_1

AUDIO SYSTEM
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

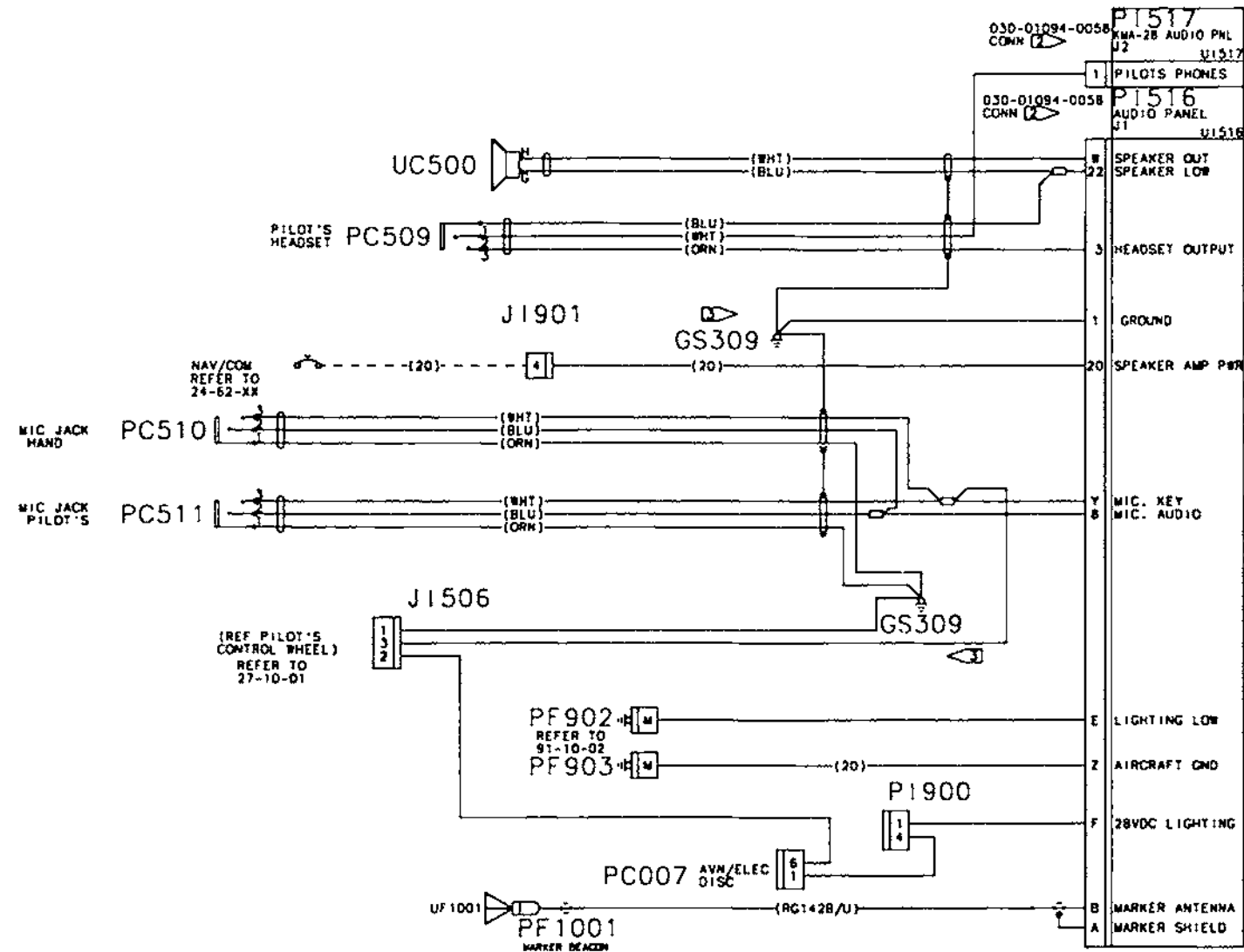
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES	DES			FROM TO	PER ASSY
		1234567			
02			AUDIO SYSTEM		
			17280831 THRU 17280983		
			172S8348 THRU 172S8703		
			NAV I, NAV II, NAV II W/HSI		
	AF300		. SPLICE		RF
	AF301		. SPLICE		RF
	AF302		. SPLICE		RF
	AF303		. SPLICE		RF
	AF304		. SPLICE		RF
	AF305		. SPLICE		RF
	AF306		. SPLICE		RF
	J1506	S1641-6	. CONNECTOR PILOT'S CONTROL WHEEL DISCONNECT (ZONE 220)		01
		S1636-1	. . SOCKET		AR
	J1513	S1641-6	. CONNECTOR COPILOT'S CONTROL WHEEL DISCONNECT (ZONE 221)		01
		S1636-1	. . SOCKET		AR
	J1901	S2350-3	. CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01
		S2353-5	. . PIN		AR
	PC007	S1640-9	. CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220)		01
		S1635-1	. . PIN		AR
	PC502	S1612-1	. JACK PILOT'S HEADSET (ZONE 211)	80001 80983	01
				8001 8703	
	PC503	S1102-1	. JACK PILOT'S MIC (ZONE 211)	80001 80983	01
				8001 8703	
	PC504	S1102-1	. JACK HAND MIC (ZONE 220)	80001 80983	01
				8001 8703	
	PC505	S1102-1	. JACK PASSENGER MIC (ZONE 211)	80001 80983	01
				8001 8703	
	PC506	S1612-1	. JACK PASSENGER PHONE (ZONE 211)	80001 80983	01
				8001 8703	
	PF1001	UG88C/U	. CONNECTOR MARKER BEACON ANTENNA DISCONNECT (ZONE 310)	80004 81097	01
				8001 9062	
	PF502	S1612-1	. JACK CO-PILOT'S HEADSET (ZONE 211)	80001 80983	01
				8001 8703	
	PF503	S1102-1	. JACK CO-PILOT'S MIC (ZONE 211)	80001 80983	01
				8001 8703	
	PF504	S1612-1	. JACK PASSENGER PHONE (ZONE 211)	80001 80983	01
				8001 8703	
	PF505	S1102-1	. JACK PASSENGER MIC (ZONE 211)	80001 80983	01
				8001 8703	
	PF902	SK2701	. CONNECTOR GROUND (ZONE 221)	V28198	01
		FC116N2	. . CONTACT		AR
		FC120N2	. . CONTACT	V28198	AR
	PF903	SK2701	. CONNECTOR (ZONE 221)	V28198	01
		FC116N2	. . CONTACT	V28198	AR
		FC120N2	. . CONTACT		AR
	PI507	050-03392-0000	. CONNECTOR KIT AUDIO PANEL (ZONE 225)		01
	PI508	050-03392-0000	. CONNECTOR KIT AUDIO PANEL (ZONE 225)		01
	PI509	030-01094-0004	. CONNECTOR AUDIO PANEL (ZONE 225)	V22373	01
	PI900	S3070-9	. CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01
		LMD6106P	. . BUSSING MODULE	V49367	01
		LMS01T-TL	. . SPLICE CONNECTOR	V49367	01
		S2353-5	. . PIN		AR
	UC500	C596504-0101	. SPEAKER (ZONE 211)		01
		S1829-1	. . TERMINAL		02
	UF1001	CI102	. ANTENNA MARKER BEACON (ZONE 310)		01
	UI507	S3100-160	. PANEL AUDIO (ZONE 225)	80721 80983	01
				8190 8703	
	UI508		. PANEL AUDIO		RF

- ITEM NOT ILLUSTRATED

Figure 02

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



- NOTES:
- 1. ALL WIRE 22GAUGE UNLESS OTHERWISE NOTED.
 - 2. CONNECTOR PART OF ALLIEDSIGNAL INSTALLATION KIT 050-03613-0001
 - 3. GROUND STUDS ARE LOCATED ON THE BACK OF THE KMA-28 MOUNTING RACK.
 - 4. REFER TO DETAIL A FOR PINS ON ENTERTAINMENT JACK.

AUDIO SYSTEM
Figure 03 (Sheet 1)

3921144A1

CESSNA AIRCRAFT COMPANY

MODEL 172

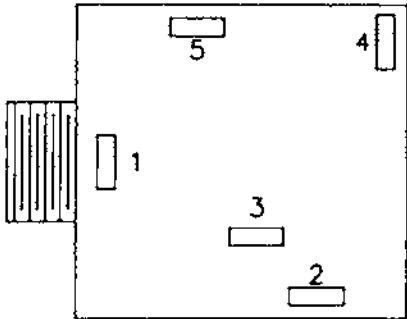
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
03			AUDIO SYSTEM		
			17280984 & ON		
			172SB704 & ON		
			STANDARD, NAV 1, NAV 1 W/ADF		
GS309	3910276-2		GROUND STUD (ZONE 225)		01
J1506	S1641-6		CONNECTOR PILOT'S CONTROL WHEEL DISCONNECT (ZONE		01
			220)		
-	S1636-1		SOCKET		AR
J1901	S2350-3		CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE		01
			220)		
-	S2353-5		PIN		AR
PC007	S1640-9		CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220).		01
-	S1635-1		PIN		AR
PC509	N112B		JACK PILOT'S HEADSET (ZONE 211)	V82389 80984 & ON	01
				8704 & ON	
PC510	MNS112B		JACK HAND MIC (ZONE 211)	V82389 80984 & ON	01
				8704 & ON	
PC511	MNS112B		JACK PILOT'S MIC (ZONE 211)	V82389 80984 & ON	01
				8704 & ON	
PF1001	UG88C/U		CONNECTOR MARKER BEACON ANTENNA DISCONNECT (ZONE	80004 81097	01
			310)	8001 9062	
PF1001	S3284-1		CONNECTOR MARKER BEACON ANTENNA DISCONNECT (ZONE	81098 & ON	01
			310)	9063 & ON	
PF902	SK2701		CONNECTOR GROUND (ZONE 221)	V28198	01
-	FC116N2		CONTACT		AR
-	FC120N2		CONTACT	V28198	AR
PF903	SK2701		CONNECTOR (ZONE 221)	V28198	01
-	FC116N2		CONTACT	V28198	AR
-	FC120N2		CONTACT	V28198	AR
PI516	030-01094-0058		CONNECTOR AUDIO PANEL DISCONNECT (ZONE 225)		01
-	050-03613-0001		CONNECTOR KIT		01
PI517	030-01094-0058		CONNECTOR AUDIO PANEL DISCONNECT (ZONE 225)		01
-	050-03613-0001		CONNECTOR KIT		01
PI900	S3070-9		CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01
-	LMD5106P		BUSSING MODULE	V49367	01
-	LMS01T-TL		SPLICE CONNECTOR	V49367	01
-	S2353-5		PIN		AR
UC500	C596504-0101		SPEAKER (ZONE 211)		01
-	S1829-1		TERMINAL		02
UF1001	CI102		ANTENNA MARKER BEACON (ZONE 310)		01
UI516	3910310-19		AUDIO PANEL KMA-28	80984 & ON	01
				8704 & ON	
UI517			AUDIO PANEL		RF

- ITEM NOT ILLUSTRATED

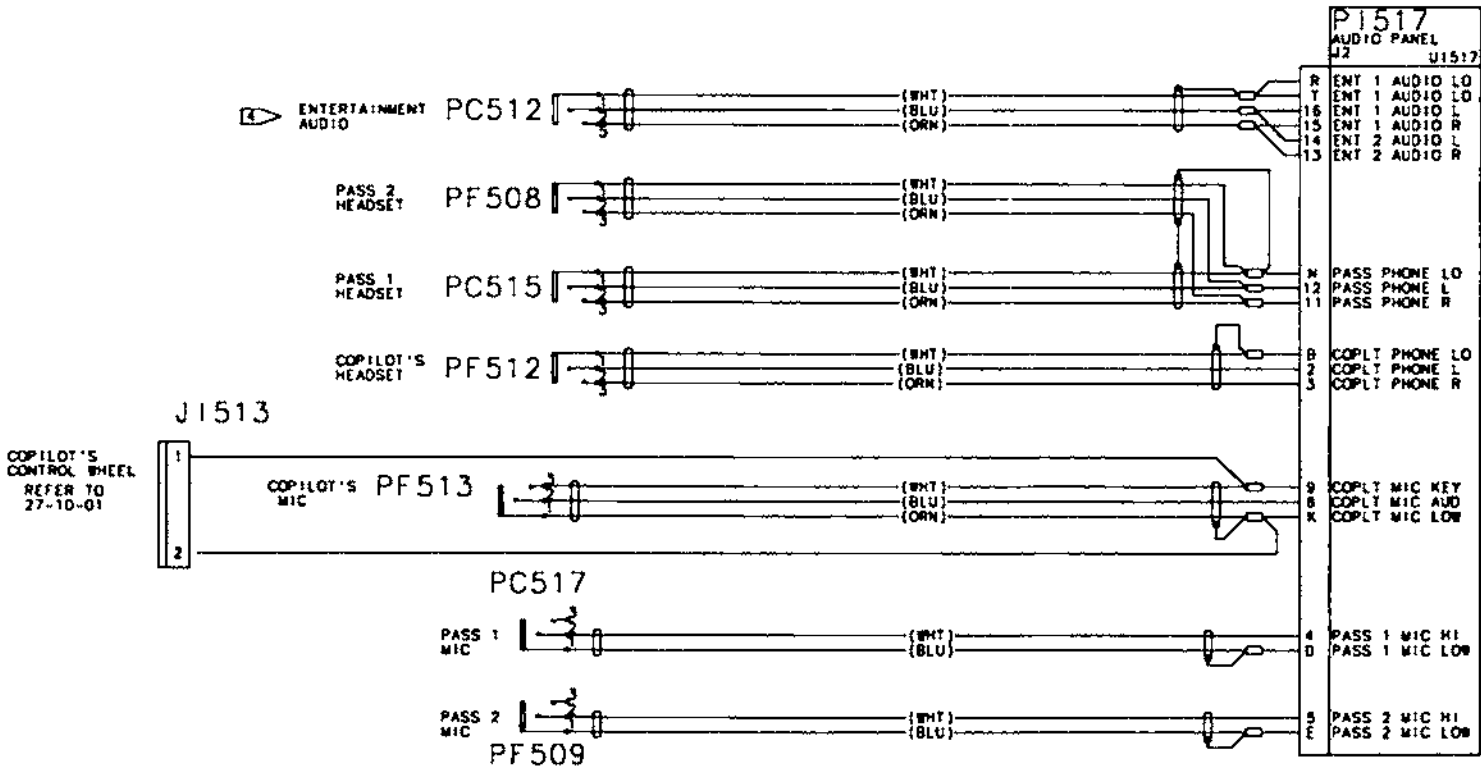
Figure 03

Page 1



DETAIL A

- NOTES:
- 1. ALL WIRE 22GAUGE UNLESS OTHERWISE NOTED.
 - 2. CONNECTOR PART OF ALLIED SIGNAL INSTALLATION KIT 050-03613-0001
 - 3. GROUND STUDS ARE LOCATED ON THE BACK OF THE RMA-28 MOUNTING RACK.
 - 4. REFER TO DETAIL A FOR PINS ON ENTERTAINMENT JACK.



3921144A2

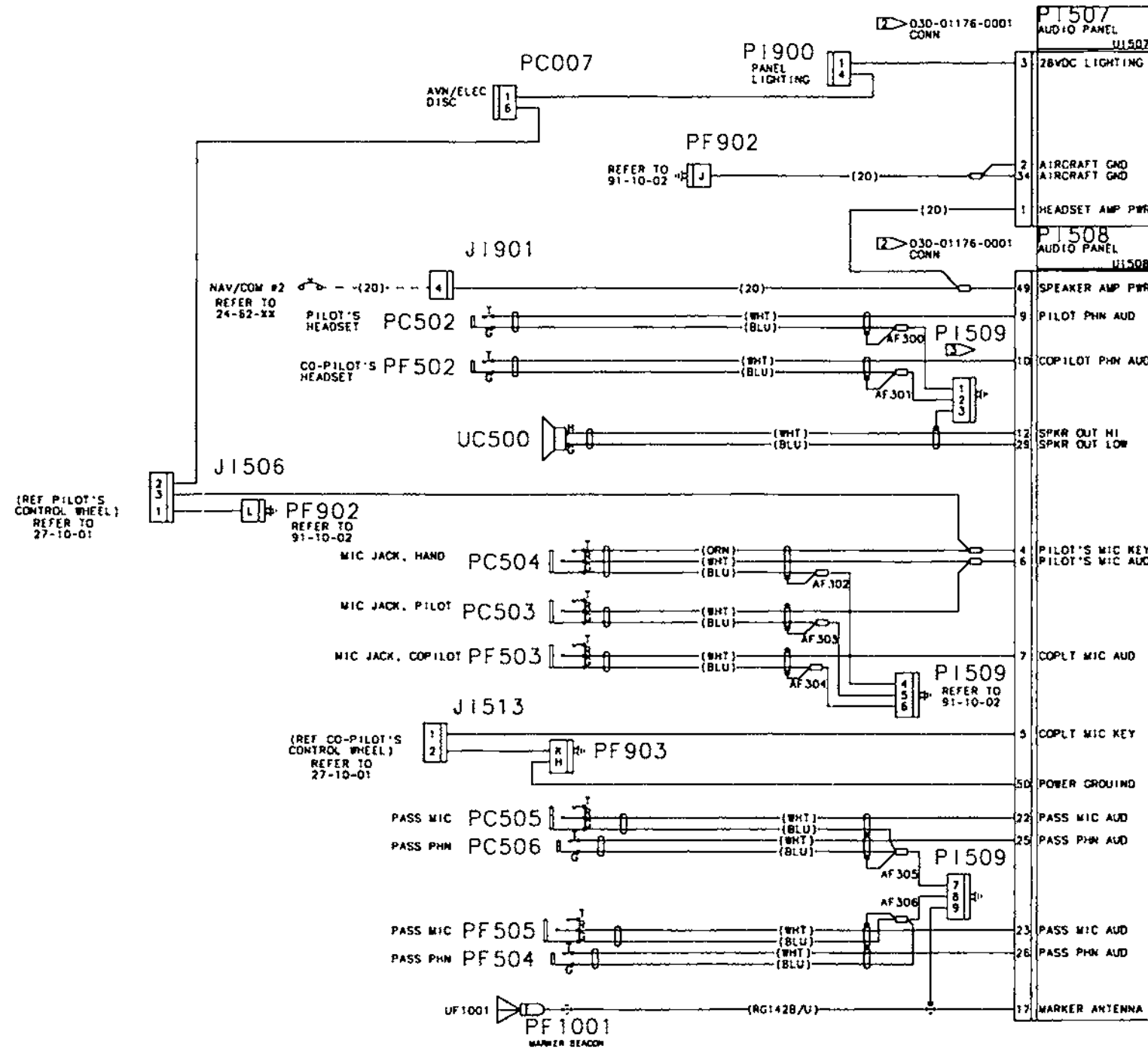
AUDIO SYSTEM
Figure 03 (Sheet 2)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES		1 2 3 4 5 6 7		FROM TO	PER ASSY
03			AUDIO SYSTEM		
			17280984 & ON		
			172S8704 & ON		
			STANDARD, NAV I, NAV I W/ADF		
J1513	S1641-6		CONNECTOR COPILOT'S CONTROL WHEEL DISCONNECT (ZONE 221)		01 R
	S1636-1		SOCKET		AR R
PC512	35RAPC4BH3		JACK ENTERTAINMENT AUDIO (ZONE 211)	V82389 80984 & ON	01
				8704 & ON	
PC516	N112B		JACK PASSENGER 1 HEADSET (ZONE 211)	V82389 80984 & ON	01
				8704 & ON	
PC517	MNS112B		JACK PASSENGER 1 MIC (ZONE 211)	V82389 80984 & ON	01
				8704 & ON	
PF508	N112B		JACK PASSENGER HEADSET (ZONE 211)	V82389 80984 & ON	01
				8704 & ON	
PF509	MNS112B		JACK PASSENGER 2 MIC (ZONE 211)	V82389 80984 & ON	01
				8704 & ON	
PF512	N112B		JACK COPILOT'S HEADSET (ZONE 211)	V82389 80984 & ON	01
				8704 & ON	
PF513	MNS112B		JACK COPILOT'S MIC (ZONE 211)	V82389 80984 & ON	01 R
				8704 & ON	
PI517	030-01094-0058		CONNECTOR AUDIO PANEL DISCONNECT (ZONE 225)		01
	050-03613-0001		CONNECTOR KIT		01
UI517			AUDIO PANEL		RF

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



NOTES:

1. ALL WIRE 22GAUGE UNLESS OTHERWISE NOTED.
PART OF ALLIED SIGNAL INSTALLATION KIT 050-03392-0000.
P1509 CONNECTOR IS P/N 030-01094-0004

3921128_1

AUDIO SYSTEM
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

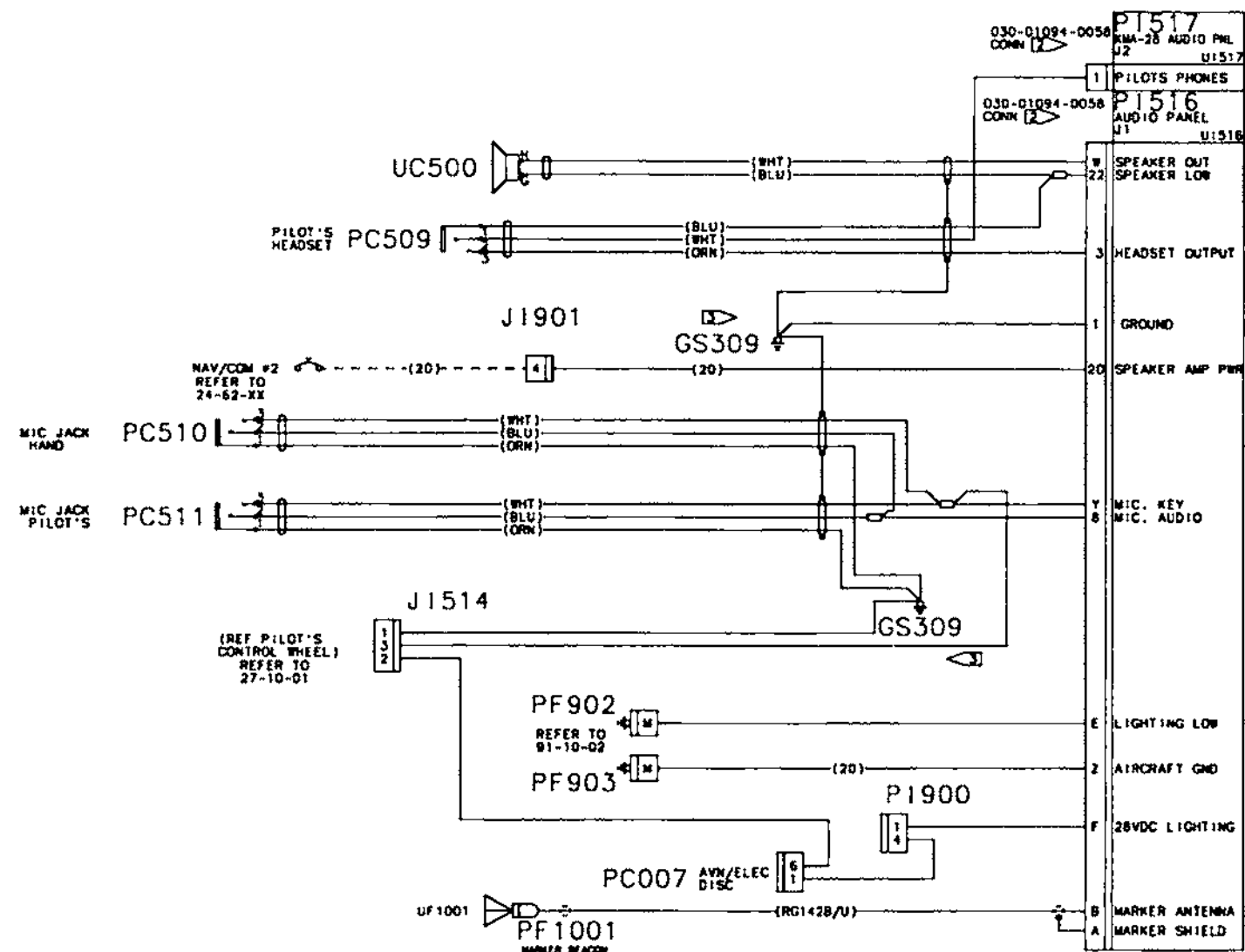
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
01			AUDIO SYSTEM		
			17280831 THRU 17280983		
			172S8348 THRU 172S8703		
			NAV I, NAV II, NAV II W/HSI		
	AF300		. SPLICE		RF
	AF301		. SPLICE		RF
	AF302		. SPLICE		RF
	AF303		. SPLICE		RF
	AF304		. SPLICE		RF
	AF305		. SPLICE		RF
	AF306		. SPLICE		RF
	J1506	S1641-6	. CONNECTOR PILOT'S CONTROL WHEEL DISCONNECT (ZONE 220)		01
		S1636-1	. SOCKET		AR
	J1513	S1641-6	. CONNECTOR COPILOT'S CONTROL WHEEL DISCONNECT (ZONE 221)		01
		S1636-1	. SOCKET		AR
	J1901	S2350-3	. CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01
		S2353-5	. PIN		AR
	PC007	S1640-9	. CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220)		01
		S1635-1	. PIN		AR
	PC502	S1612-1	. JACK PILOT'S HEADSET (ZONE 211)	80001 80983	01
				8001 8703	
	PC503	S1102-1	. JACK PILOT'S MIC (ZONE 211)	80001 80983	01
				8001 8703	
	PC504	S1102-1	. JACK HAND MIC (ZONE 220)	80001 80983	01
				8001 8703	
	PC505	S1102-1	. JACK PASSENGER MIC (ZONE 211)	80001 80983	01
				8001 8703	
	PC506	S1612-1	. JACK PASSENGER PHONE (ZONE 211)	80001 80983	01
				8001 8703	
	PF1001	UG88C/U	. CONNECTOR MARKER BEACON ANTENNA DISCONNECT (ZONE 310)	80004 81097	01
				8001 9062	
	PF502	S1612-1	. JACK CO-PILOT'S HEADSET (ZONE 211)	80001 80983	01
				8001 8703	
	PF503	S1102-1	. JACK CO-PILOT'S MIC (ZONE 211)	80001 80983	01
				8001 8703	
	PF504	S1612-1	. JACK PASSENGER PHONE (ZONE 211)	80001 80983	01
				8001 8703	
	PF505	S1102-1	. JACK PASSENGER MIC (ZONE 211)	80001 80983	01
				8001 8703	
	PF902	SK2701	. CONNECTOR GROUND (ZONE 221)	V28198	01
		FC116N2	. CONTACT		AR
		FC120N2	. CONTACT	V28198	AR
	PF903	SK2701	. CONNECTOR (ZONE 221)	V28198	01
		FC116N2	. CONTACT	V28198	AR
		FC120N2	. CONTACT		AR
	PI507	050-03392-0000	. CONNECTOR KIT AUDIO PANEL (ZONE 225)		01
	PI508	050-03392-0000	. CONNECTOR KIT AUDIO PANEL (ZONE 225)		01
	PI509	030-01094-0004	. CONNECTOR AUDIO PANEL (ZONE 225)	V22373	01
	PI900	S3070-9	. CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01
		LMD6106P	. BUSSING MODULE	V49367	01
		LMS01T-TL	. SPLICE CONNECTOR	V49367	01
		S2353-5	. PIN		AR
	UC500	C596504-0101	. SPEAKER (ZONE 211)		01
		S1829-1	. TERMINAL		02
	UF1001	C1102	. ANTENNA MARKER BEACON (ZONE 310)		01
	UI507	S3100-160	. PANEL AUDIO (ZONE 225)	80721 80983	01
				8190 8703	
	UI508		. PANEL AUDIO		RF

- ITEM NOT ILLUSTRATED

Figure 01

Page 1

- NOTES:
- 1. ALL WIRE 22GAUGE UNLESS OTHERWISE NOTED.
 - 2. CONNECTOR PART OF ALLIED SIGNAL INSTALLATION KIT 030-03613-0001
 - 3. GROUND STUDS ARE LOCATED ON THE BACK OF THE KMA-28 MOUNTING RACK.
 - 4. REFER TO DETAIL A FOR PINS ON ENTERTAINMENT JACK.



3921135D1

AUDIO SYSTEM
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

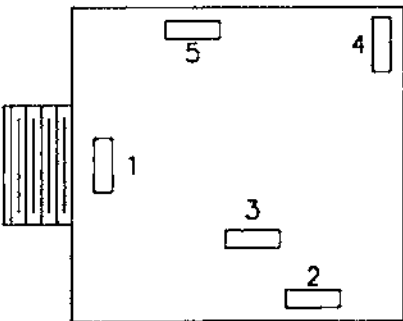
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
		1 2 3 4 5 6 7			
02			AUDIO SYSTEM		
			17280984 THRU 17281097		
			172S8704 THRU 172S9062		
			NAV II		
GS309	3910276-2		GROUND STUD (ZONE 225)		01
JI514	S1641-9		CONNECTOR PILOT'S CONTROL WHEEL DISCONNECT (ZONE 222)		01
-	S1636-1		SOCKET		AR
JI901	S2350-3		CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01
-	S2353-5		PIN		AR
PC007	S1640-9		CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220)		01
-	S1635-1		PIN		AR
PC509	N112B		JACK PILOT'S HEADSET (ZONE 211)	V82389 80984 & ON 8704 & ON	01
PC510	MNS112B		JACK HAND MIC (ZONE 211)	V82389 80984 & ON 8704 & ON	01
PC511	MNS112B		JACK PILOT'S MIC (ZONE 211)	V82389 80984 & ON 8704 & ON	01
PF1001	UG88C/U		CONNECTOR MARKER BEACON ANTENNA DISCONNECT (ZONE 310)	80004 81097 8001 9062	01
PF902	SK2701		CONNECTOR GROUND (ZONE 221)	V28198	01
-	FC116N2		CONTACT		AR
-	FC120N2		CONTACT	V28198	AR
PF903	SK2701		CONNECTOR (ZONE 221)	V28198	01
-	FC116N2		CONTACT	V28198	AR
-	FC120N2		CONTACT		AR
PI516	030-01094-0058		CONNECTOR AUDIO PANEL DISCONNECT (ZONE 225)		01
-	050-03613-0001		CONNECTOR KIT		01
PI517	030-01094-0058		CONNECTOR AUDIO PANEL DISCONNECT (ZONE 225)		01
-	050-03613-0001		CONNECTOR KIT		01
PI900	S3070-9		CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01
-	LMD6106P		BUSSING MODULE	V49367	01
-	LMS01T-TL		SPLICE CONNECTOR	V49367	01
-	S2353-5		PIN		AR
UC500	C596504-0101		SPEAKER (ZONE 211)		01
-	S1829-1		TERMINAL		02
UF1001	CI102		ANTENNA MARKER BEACON (ZONE 310)		01
UI516	3910310-19		AUDIO PANEL KMA-28	80984 & ON 8704 & ON	01
UI517			AUDIO PANEL		RF

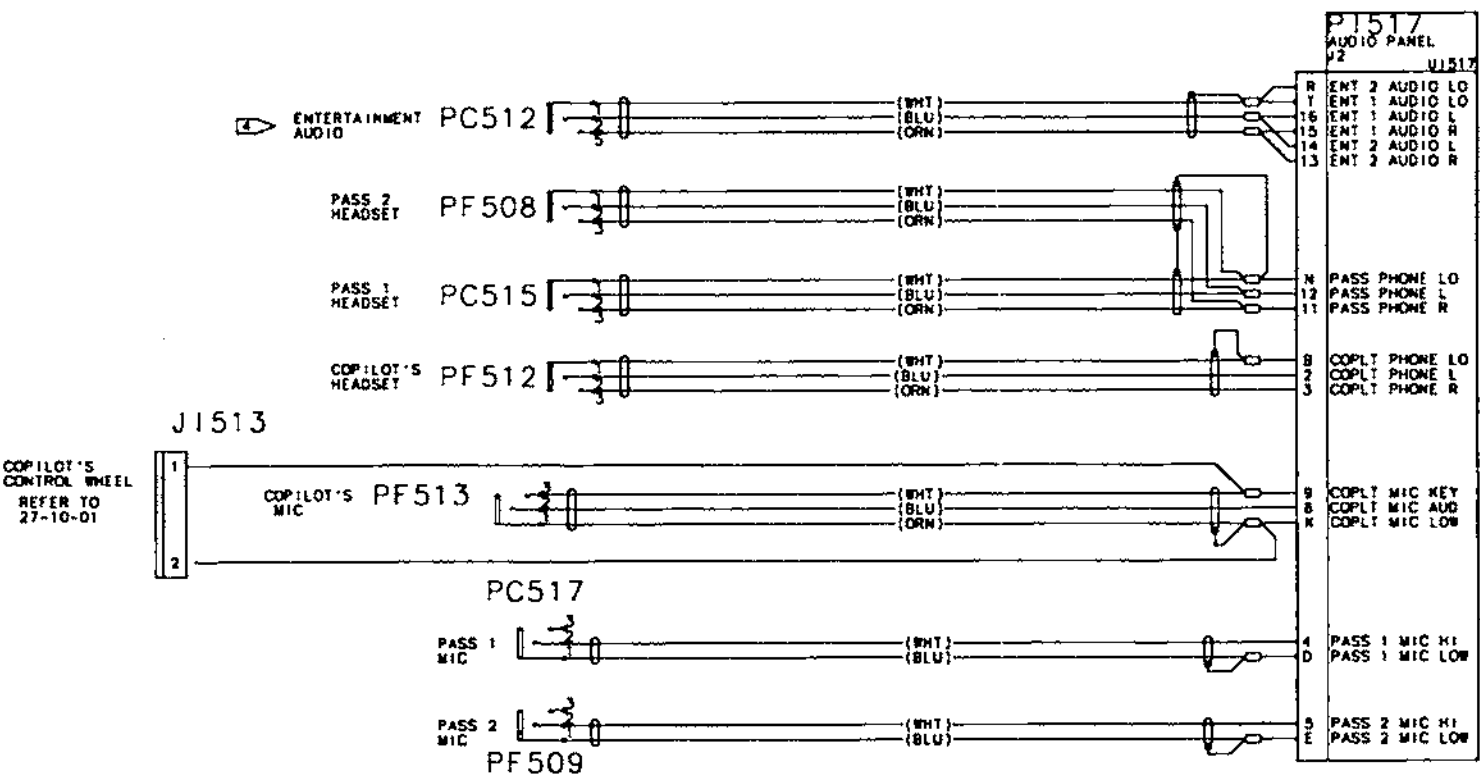
- ITEM NOT ILLUSTRATED

Figure 02

Page 1



DETAIL A



- NOTES:
- 1. ALL WIRE 22GAUGE UNLESS OTHERWISE NOTED.
 - 2. CONNECTOR PART OF ALLIEDSIGNAL INSTALLATION KIT 050-03613-0001
 - 3. GROUND STUDS ARE LOCATED ON THE BACK OF THE KMA-28 MOUNTING RACK.
 - 4. REFER TO DETAIL A FOR PINS ON ENTERTAINMENT JACK.

3921135A2

AUDIO SYSTEM
Figure 02 (Sheet 2)

CESSNA AIRCRAFT COMPANY

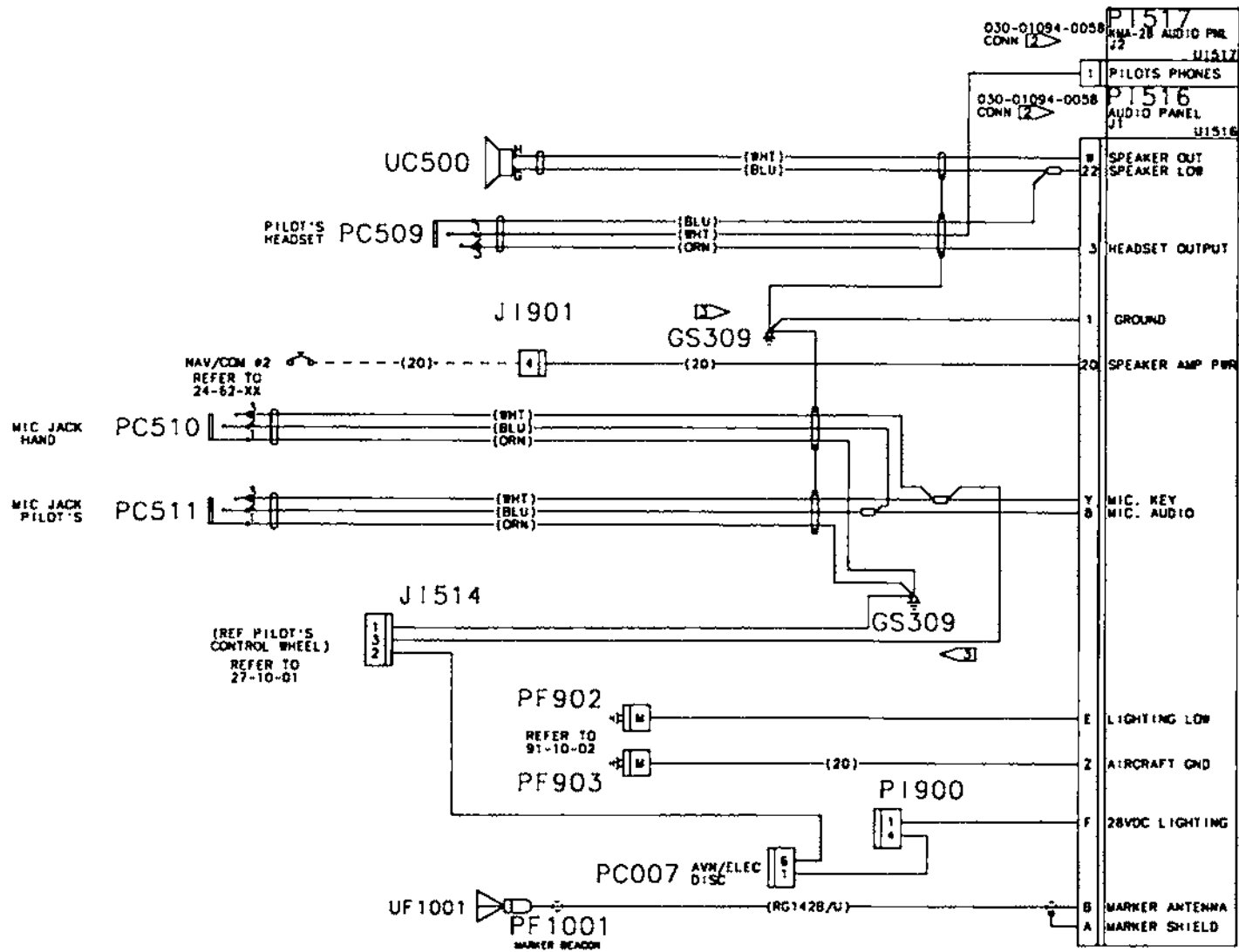
MODEL 172

WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
		1 2 3 4 5 6 7		
02		AUDIO SYSTEM 17280984 THRU 17281097 172S8704 THRU 172S9062 NAV II		
J1513	S1641-6	. CONNECTOR COPILOT'S CONTROL WHEEL DISCONNECT (ZONE 221)		01
-	S1636-1	. . SOCKET		AR
PC512	35RAPC4BH3	. JACK ENTERTAINMENT AUDIO (ZONE 211)	V82389 80984 & ON 8704 & ON	01
PC515	N112B	. JACK PASSENGER 1 HEADSET (ZONE 211)	V82389 80984 & ON 8704 & ON	01
PC517	MNS112B	. JACK PASSENGER 1 MIC (ZONE 211)	V82389 80984 & ON 8704 & ON	01
PF508	N112B	. JACK PASSENGER HEADSET (ZONE 211)	V82389 80984 & ON 8704 & ON	01
PF509	MNS112B	. JACK PASSENGER 2 MIC (ZONE 211)	V82389 80984 & ON 8704 & ON	01
PF512	N112B	. JACK COPILOT'S HEADSET (ZONE 211)	V82389 80984 & ON 8704 & ON	01
PF513	MNS112B	. JACK COPILOT'S MIC (ZONE 211)	V82389 80984 & ON 8704 & ON	01 R
PI517	030-01094-0058	. CONNECTOR AUDIO PANEL DISCONNECT (ZONE 225)		01
-	050-03613-0001	. CONNECTOR KIT		01
UI517		. AUDIO PANEL		RF

• ITEM NOT ILLUSTRATED

- NOTES:
- 1. ALL WIRE 22GAUGE UNLESS OTHERWISE NOTED.
 - 2. CONNECTOR PART OF ALLIED SIGNAL INSTALLATION KIT 050-03613-0001
 - 3. GROUND STUDS ARE LOCATED ON THE BACK OF THE KMA-28 MOUNTING RACK.



3921147_1

AUDIO SYSTEM
Figure 03 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

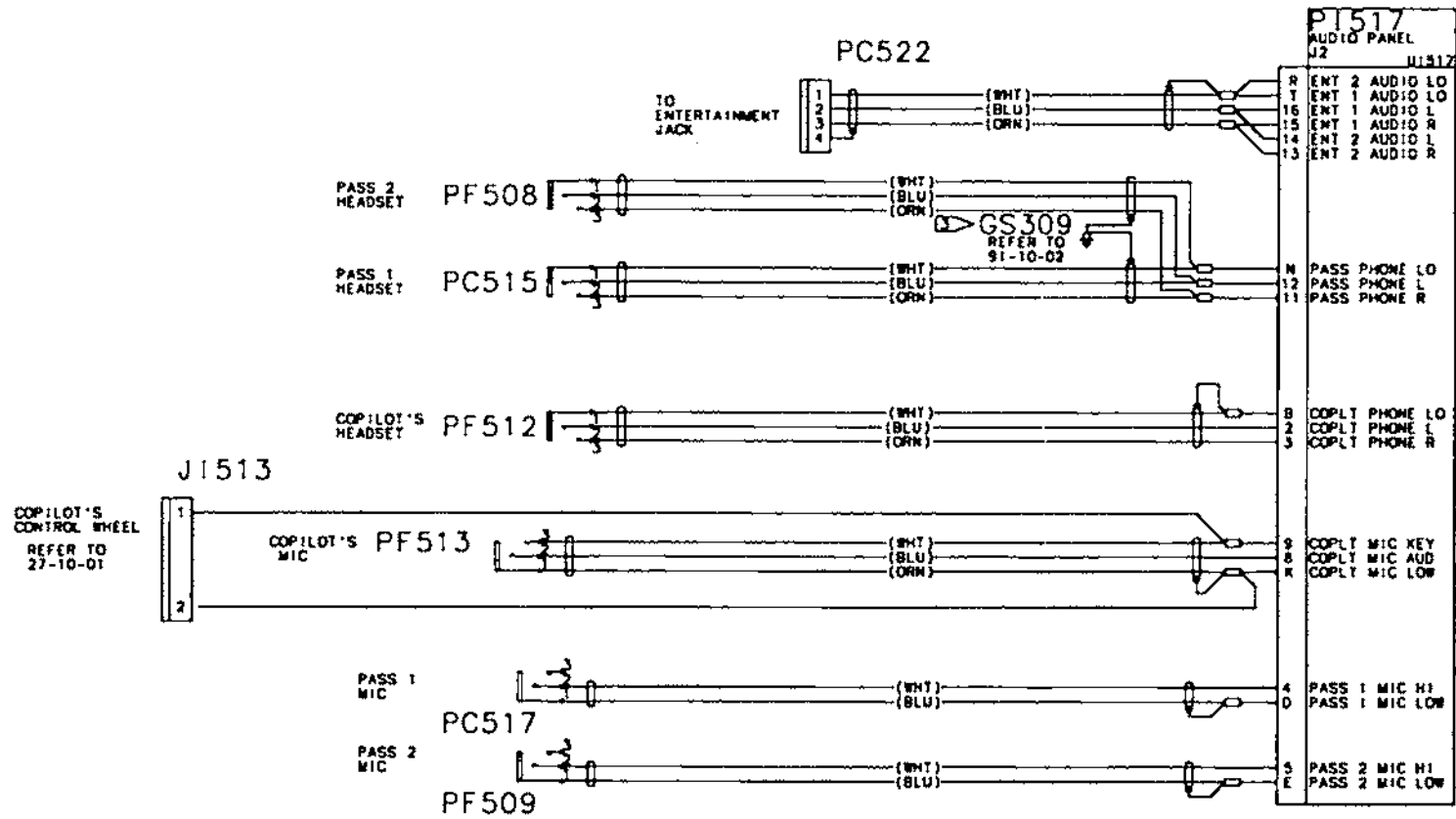
FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
		1 2 3 4 5 6 7		
03		AUDIO SYSTEM		
		17281098 & ON		
		172S9063 & ON		
GS309	3910276-2	. GROUND STUD (ZONE 225)		01 R
JI514	S1641-9	. CONNECTOR PILOT'S CONTROL WHEEL DISCONNECT (ZONE 222)		01 R
-	S1636-1	. . SOCKET		AR R
JI901	S2350-3	. CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01 R
-	S2353-5	. . PIN		AR R
PC007	S1640-9	. CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220).		01 R
-	S1635-1	. . PIN		AR R
PC509	N112B	. JACK PILOT'S HEADSET (ZONE 211)	V82389 80984 & ON	01 R
			8704 & ON	
PC510	MNS112B	. JACK HAND MIC (ZONE 211)	V82389 80984 & ON	01 R
			8704 & ON	
PC511	MNS112B	. JACK PILOT'S MIC (ZONE 211)	V82389 80984 & ON	01 R
			8704 & ON	
PF1001	S3284-1	. CONNECTOR MARKER BEACON ANTENNA DISCONNECT (ZONE 310)	81098 & ON	01 R
PF902	SK2701	. CONNECTOR GROUND (ZONE 221)	9063 & ON	
-	FC116N2	. . CONTACT	V28198	01 R
-	FC120N2	. . CONTACT	V28198	AR R
PF903	SK2701	. CONNECTOR (ZONE 221)	V28198	AR R
-	FC116N2	. . CONTACT	V28198	01 R
-	FC120N2	. . CONTACT		AR R
PI516	030-01094-0058	. CONNECTOR AUDIO PANEL DISCONNECT (ZONE 225)		AR R
-	050-03613-0001	. CONNECTOR KIT		01 R
PI517	030-01094-0058	. CONNECTOR AUDIO PANEL DISCONNECT (ZONE 225)		01 R
-	050-03613-0001	. CONNECTOR KIT		01 R
PI900	S3070-9	. CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01 R
-	LMD6106P	. . BUSSING MODULE	V49367	01 R
-	LMS01T-TL	. . SPLICE CONNECTOR	V49367	01 R
-	S2353-5	. . PIN		AR R
UC500	C596504-0101	. SPEAKER (ZONE 211)		01 R
-	S1829-1	. . TERMINAL		02 R
UF1001	CI102	. ANTENNA MARKER BEACON (ZONE 310)		01 R
UI516	3910310-19	. AUDIO PANEL KMA-28	80984 & ON	01 R
			8704 & ON	
UI517		. AUDIO PANEL		RF R

- ITEM NOT ILLUSTRATED

Figure 03

Page 1

- NOTES:
- 1. ALL WIRE 22GAUGE UNLESS OTHERWISE NOTED.
 - 2. CONNECTOR PART OF ALLIED SIGNAL INSTALLATION KIT Q50-03613-0001
 - 3. GROUND STUDS ARE LOCATED ON THE BACK OF THE KMA-25 MOUNTING RACK.



3921147_2

AUDIO SYSTEM
Figure 03 (Sheet 2)

CESSNA AIRCRAFT COMPANY

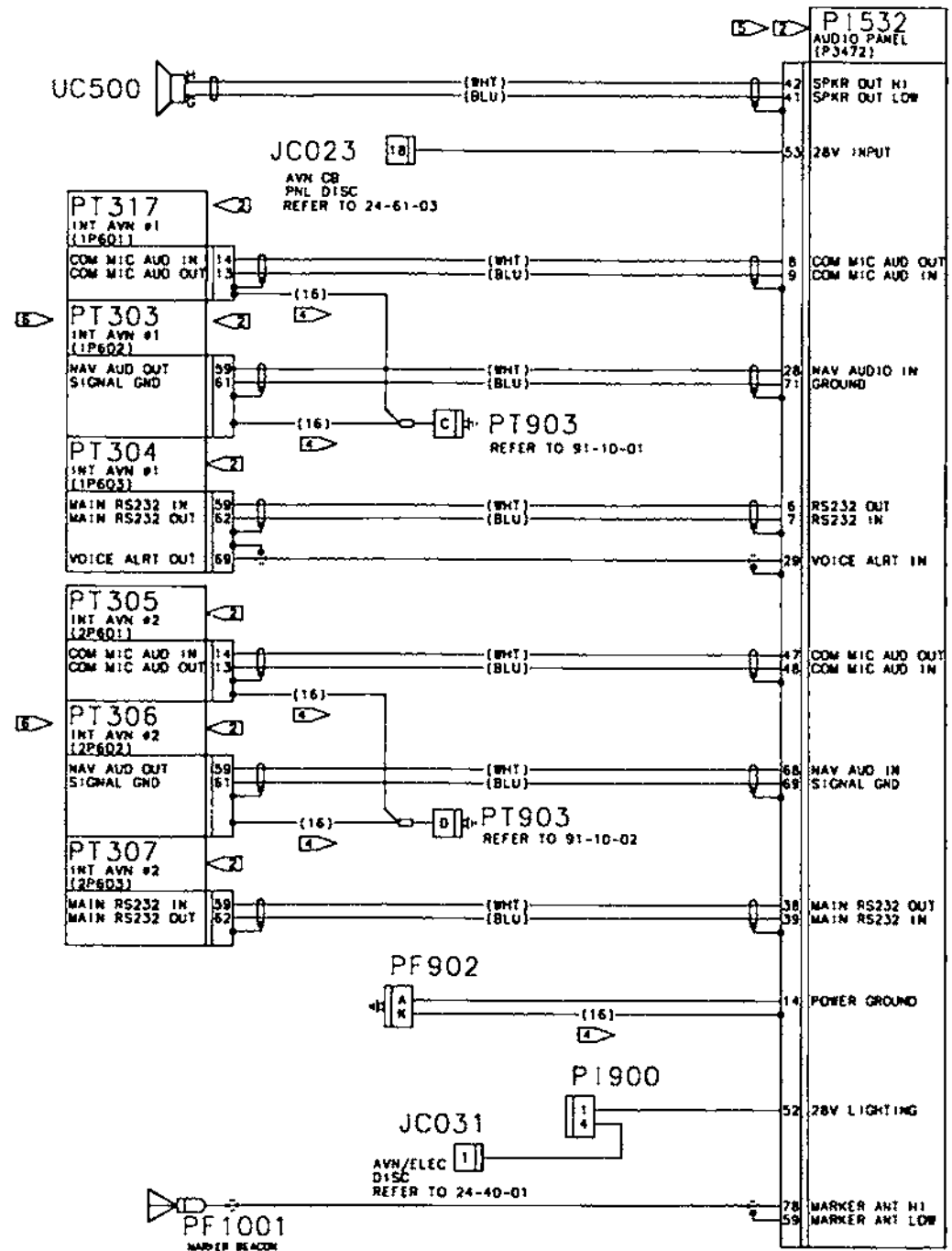
MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
	DES			FROM TO	PER ASSY
03			AUDIO SYSTEM		
			17281098 & ON		
			172S9063 & ON		
			NAV II		
GS309	3910276-2		. GROUND STUD (ZONE 225)		01 R
J1513	S1641-6		. CONNECTOR COPILOT'S CONTROL WHEEL DISCONNECT		01 R
			(ZONE 221)		
	S1636-1		. . SOCKET		ARR
PC515	N112B		. JACK PASSENGER 1 HEADSET (ZONE 211)	V82389 80984 & ON	01 R
				8704 & ON	
PC517	MNS112B		. JACK PASSENGER 1 MIC (ZONE 211)	V82389 80984 & ON	01 R
				8704 & ON	
PC522	S3556-4		. CONNECTOR ENTERTAINMENT AUDIO JACK (ZONE 211)	81098 & ON	01 R
				9063 & ON	
	S3556-24		. . SOCKET		ARR
PF508	N112B		. JACK PASSENGER HEADSET (ZONE 211)	V82389 80984 & ON	01 R
				8704 & ON	
PF509	MNS112B		. JACK PASSENGER 2 MIC (ZONE 211)	V82389 80984 & ON	01 R
				8704 & ON	
PF512	N112B		. JACK COPILOT'S HEADSET (ZONE 211)	V82389 80984 & ON	01 R
				8704 & ON	
PF513	MNS112B		. JACK COPILOT'S MIC (ZONE 211)	V82389 80984 & ON	01 R
				8704 & ON	
PI517	030-01094-0058		. CONNECTOR AUDIO PANEL DISCONNECT (ZONE 225)		01 R
	050-03613-0001		. CONNECTOR KIT		01 R
UI517			. AUDIO PANEL		RFR

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



NOTES:

1. ALL WIRE 22GAUGE UNLESS OTHERWISE NOTED.
2. GROUND SHIELDS TO THE BACKSHELL OF THE CONNECTOR USING THE GARMIN SUPPLIED GROUNDING WIRES FASTENED TO THE CONNECTOR. SHIELD WIRES SHOULD BE NO LONGER THAN 3".
3. THE FOLLOWING SPECS ARE PART OF THIS DRAWING:
CSAM012 SHIELDED CABLE INSTALLATION.
CES2716 WIRE TERMINATIONS.
4. 18GA WIRE IS PART OF GARMIN TERMINATED WIRE GROUP.
5. PART OF GARMIN KIT 011-00813-00.
6. PART OF GARMIN KIT 011-01000-00 (REF)

AUDIO SYSTEM
Figure 01 (Sheet 1)

3921159_1

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

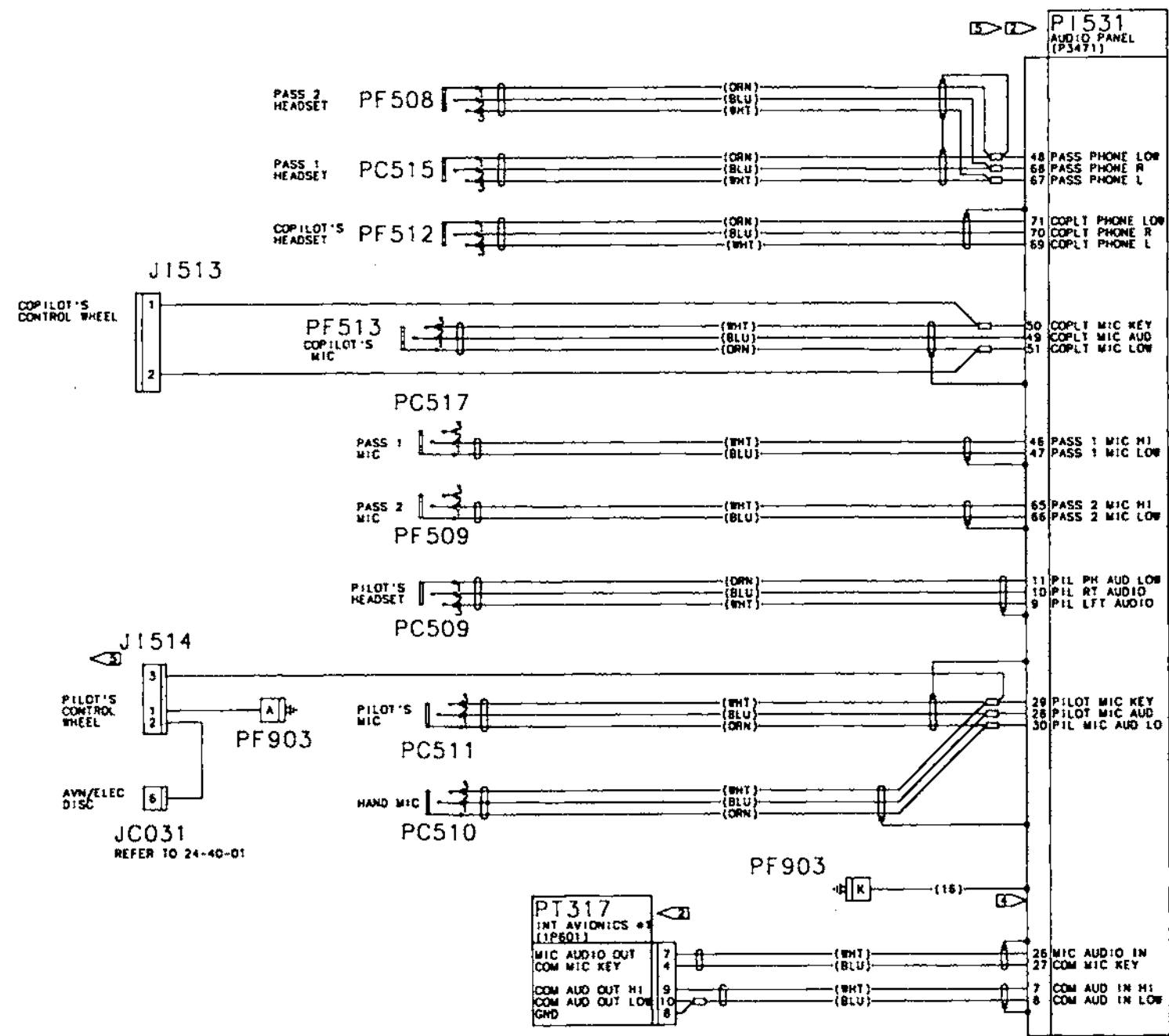
FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
01		AUDIO SYSTEM		
		17281241 & ON		
		172S9810 & ON		
		WITH NAV III AND FIS OPTION		
JC023	S2350-10	CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)	81241 & ON 9810 & ON	01 R
-	S2353-5	. . PIN		AR R
JC031	S2350-4	CONNECTOR ELEC/AVN DISC	81241 & ON 9810 & ON	01 R
-	S2353-5	. . CONTACT		AR R
PF1001	UG913A/U	CONNECTOR MARKER BEACON ANTENNA	81241 & ON 9810 & ON	01 R
PF902	SK2701	CONNECTOR GROUND (ZONE 221)	V28198	01 R
-	FC116N2	. . CONTACT		AR R
-	FC120N2	. . CONTACT	V28198	AR R
PI532		CONNECTOR AUDIO PANEL	81241 & ON	RF R
		PART OF GARMIN KIT 011-00813-00	9810 & ON	
PI900	S3070-9	CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01 R
-	LMD6106P	. . BUSSING MODULE	V49367	01 R
-	LMS01T-TL	. . SPLICE CONNECTOR	V49367	01 R
-	S2353-5	. . PIN		AR R
PT303	330-00185-62	CONNECTOR INTEGRATED AVIONICS BOX 1	81241 & ON 9810 & ON	01 R
		PART OF GARMIN KIT 011-01000-00		
PT304	330-00185-78	CONNECTOR INTEGRATED AVIONICS BOX 1	81241 & ON 9810 & ON	01 R
PT305	330-00185-44	CONNECTOR INTEGRATED AVIONICS BOX 2	81241 & ON 9810 & ON	01 R
		PART OF GARMIN KIT 011-01000-00		
PT306	330-00185-62	CONNECTOR INTEGRATED AVIONICS BOX 2	81241 & ON 9810 & ON	01 R
		PART OF GARMIN KIT 011-01000-00		
PT307	330-00185-78	CONNECTOR INTEGRATED AVIONICS BOX 2	81241 & ON 9810 & ON	01 R
PT317	330-00185-44	CONNECTOR INTEGRATED AVIONICS BOX 1	81241 & ON 9810 & ON	01 R
		PART OF GARMIN KIT 011-01000-00		
PT903	SK2701	CONNECTOR GROUND	81241 & ON 9810 & ON	01 R
-	FC116N2	. . CONTACT		AR R
-	FC120N2	. . CONTACT		AR R
UC500	C596504-0101	SPEAKER (ZONE 211)		01 R
-	S1829-1	. . TERMINAL		02 R

- ITEM NOT ILLUSTRATED

Figure 01

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



NOTES:

1. ALL WIRE 22GAUGE UNLESS OTHERWISE NOTED.
2. GROUND SHIELDS TO THE BACKSHELL OF THE CONNECTOR USING THE GARMIN SUPPLIED GROUNDING WIRES FASTENED TO THE CONNECTOR. SHIELD WIRES SHOULD BE NO LONGER THAN 3".
3. THE FOLLOWING SPECS ARE PART OF THIS DRAWING:
CSAM012 SHIELDED CABLE INSTALLATION.
CES2716 WIRE TERMINATIONS.
4. 16GA WIRE IS PART OF GARMIN TERMINATED WIRE GROUP.
5. PART OF GARMIN KIT 011-00813-00.
6. PART OF GARMIN KIT 011-01000-00 (REF)

3921159_2

AUDIO SYSTEM
Figure 01 (Sheet 2)

CESSNA AIRCRAFT COMPANY

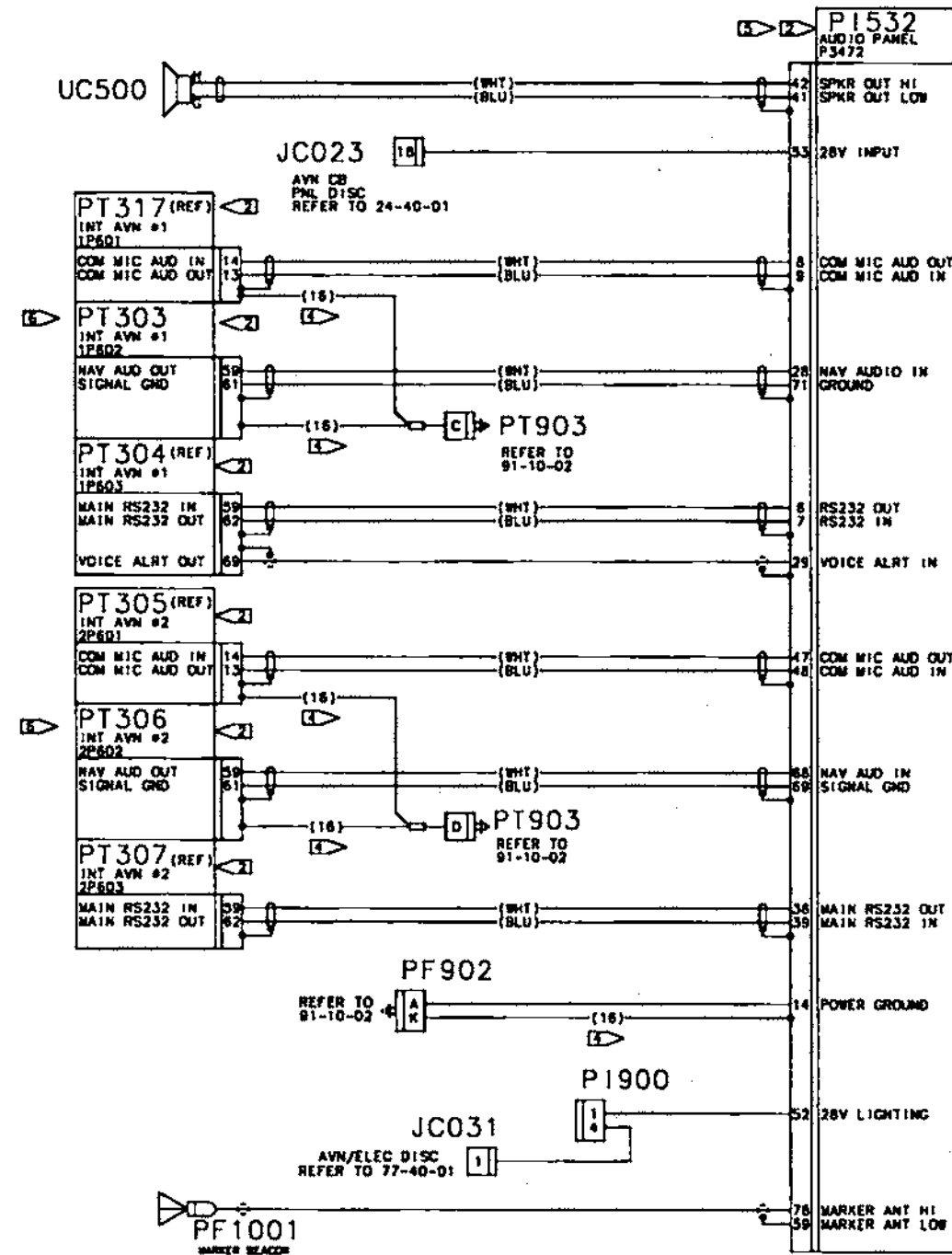
MODEL 172

WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
01		AUDIO SYSTEM 17281241 & ON 172S9810 & ON WITH NAV III AND FIS OPTION		
JC031	S2350-4	CONNECTOR ELEC/AVN DISC	81241 & ON 9810 & ON	01 R
JJ513	S2353-5 S2035-2	.. CONTACT CONNECTOR	81241 & ON 9810 & ON	ARR 01 R
JJ514	S1636-1 S1641-9	.. SOCKET CONNECTOR PILOT'S CONTROL WHEEL DISCONNECT (ZONE 222)		ARR 01 R
PC509	S1636-1 N112B	.. SOCKET JACK PILOT'S HEADSET (ZONE 211)	V82389 80984 & ON 8704 & ON	ARR 01 R
PC510	MNS112B	JACK HAND MIC (ZONE 211)	V82389 80984 & ON 8704 & ON	01 R
PC511	MNS112B	JACK PILOT'S MIC (ZONE 211)	V82389 80984 & ON 8704 & ON	01 R
PC515	N112B	JACK PASSENGER 1 HEADSET (ZONE 211)	V82389 80984 & ON 8704 & ON	01 R
PC517	MNS112B	JACK PASSENGER 1 MIC (ZONE 211)	V82389 80984 & ON 8704 & ON	01 R
PF508	N112B	JACK PASSENGER HEADSET (ZONE 211)	V82389 80984 & ON 8704 & ON	01 R
PF509	MNS112B	JACK PASSENGER 2 MIC (ZONE 211)	V82389 80984 & ON 8704 & ON	01 R
PF512	N112B	JACK COPILOT'S HEADSET (ZONE 211)	V82389 80984 & ON 8704 & ON	01 R
PF513	MNS112B	JACK COPILOT'S MIC (ZONE 211)	V82389 80984 & ON 8704 & ON	01 R
PF903	SK2701 FC116N2 FC120N2	CONNECTOR (ZONE 221)	V28198 V28198	01 R ARR ARR
PI531		CONNECTOR AUDIO PANEL	81241 & ON 9810 & ON	RR R
PT317	330-00185-44	PART OF GARMIN KIT 011-00813-00 CONNECTOR INTEGRATED AVIONICS BOX 1	81241 & ON 9810 & ON	01 R

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



- NOTES:
- 1. ALL WIRE 22GAUGE UNLESS OTHERWISE NOTED.
 - 2. GROUND SHIELDS TO THE BACKSHELL OF THE CONNECTOR USING THE GROUNDING WIRES FASTENED TO THE CONNECTOR. SHIELD WIRES SHOULD BE NO LONGER THAN 3".
 - 3. THE FOLLOWING SPECS ARE PART OF THIS DRAWING:
CSAM012 SHIELDED CABLE INSTALLATION.
CES2716 WIRE TERMINATIONS.
 - 4. 16GA WIRE IS PART OF GARMIN TERMINATED WIRE GROUP.
 - 5. PART OF GARMIN KIT 011-00813-00.
 - 6. PART OF GARMIN KIT 011-01000-00 (REF)

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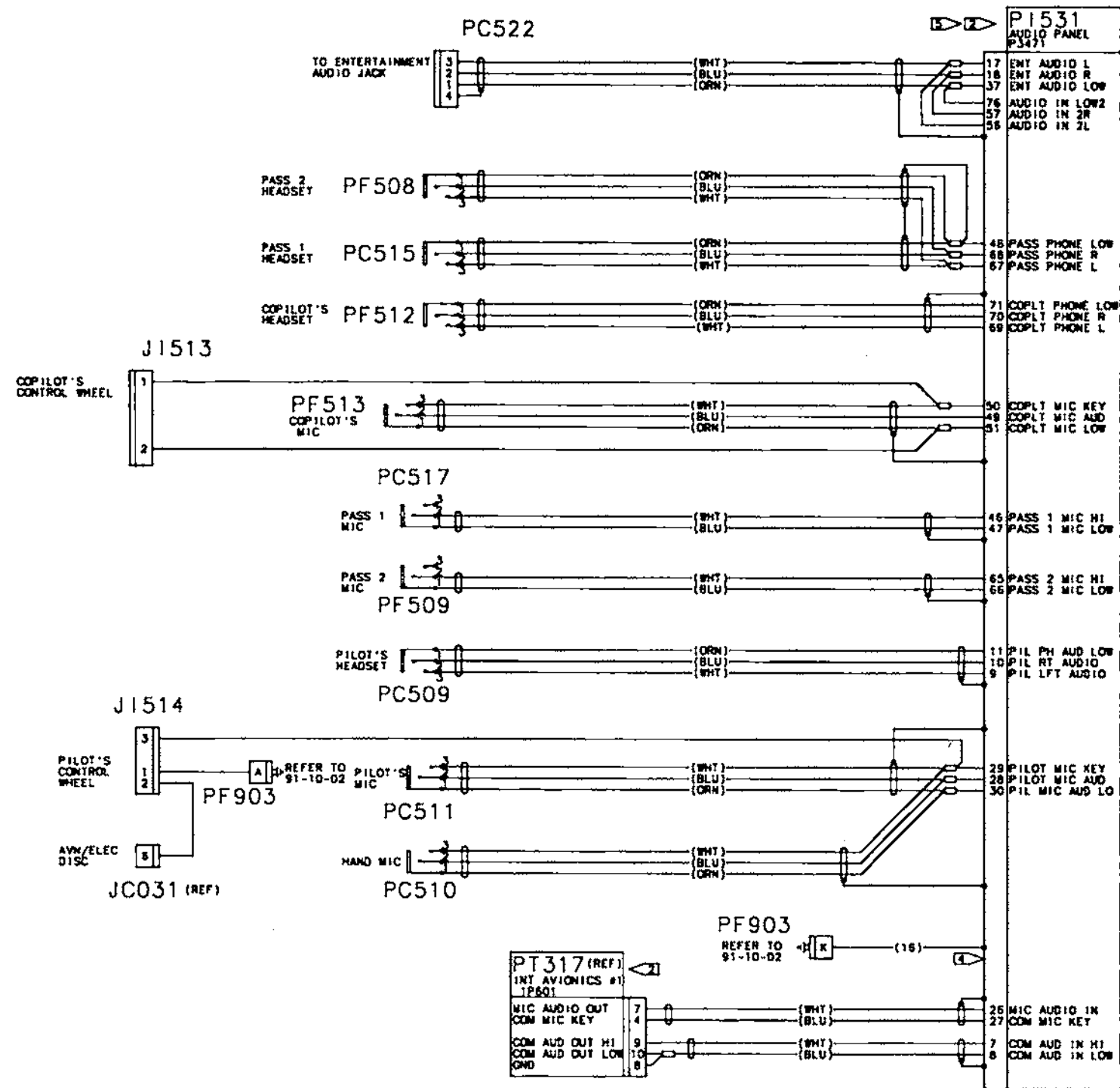
AUDIO SYSTEM
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
01			AUDIO SYSTEM		
			17281241 THRU 17281356		
			172S9810 THRU 172S10431		
			WITH NAV III OPTION		
JC023	S2350-10		CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)	81241 & ON	01
				9810 & ON	
JC031	S2353-5		PIN		AR
	S2350-4		CONNECTOR ELEC/AVN DISC	81241 & ON	01
				9810 & ON	
PF1001	S2353-5		CONTACT		AR
	UG913A/U		CONNECTOR MARKER BEACON ANTENNA	81241 & ON	01
				9810 & ON	
PF902	SK2701		CONNECTOR GROUND (ZONE 221)	V28198	01
	FC116N2		CONTACT		AR
	FC120N2		CONTACT	V28198	AR
PI532			CONNECTOR AUDIO PANEL	81241 & ON	RF
			PART OF GARMIN KIT 011-00813-00	9810 & ON	
PI900	S3070-9		CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01
	LMD6106P		BUSSING MODULE	V49367	01
	LMS01T-TL		SPLICE CONNECTOR	V49367	01
	S2353-5		PIN		AR
PT303	030-01094-0051		CONNECTOR NAVIGATION CONVERTER (ZONE 310)		01
	050-01555-0000		CONNECTOR KIT		01
PT304	330-00185-78		CONNECTOR INTEGRATED AVIONICS BOX 1	81241 & ON	01
				9810 & ON	
PT305	330-00185-44		CONNECTOR INTEGRATED AVIONICS BOX 2	81241 & ON	01
			PART OF GARMIN KIT 011-01000-00	9810 & ON	
PT306	330-00185-62		CONNECTOR INTEGRATED AVIONICS BOX 2	81241 & ON	01
			PART OF GARMIN KIT 011-01000-00	9810 & ON	
PT307	330-00185-78		CONNECTOR INTEGRATED AVIONICS BOX 2	81241 & ON	01
				9810 & ON	
PT317	330-00185-44		CONNECTOR INTEGRATED AVIONICS BOX 1	81241 & ON	01
			PART OF GARMIN KIT 011-01000-00	9810 & ON	
PT903	SK2701		CONNECTOR GROUND	81241 81356	01
				9810 10431	
	FC116N2		CONTACT		AR
	FC120N2		CONTACT		AR
UC500	C596504-0101		SPEAKER (ZONE 211)		01
	S1829-1		TERMINAL		02

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



NOTES:

1. ALL WIRE 22GAUGE UNLESS OTHERWISE NOTED.
2. GROUND SHIELDS TO THE BACKSHELL OF THE CONNECTOR USING THE GROUNDING WIRES FASTENED TO THE CONNECTOR. SHIELD WIRES SHOULD BE NO LONGER THAN 3".
3. THE FOLLOWING SPECS ARE PART OF THIS DRAWING:
CSAMD12 SHIELDED CABLE INSTALLATION.
CES2718 WIRE TERMINATIONS.
4. 16GA WIRE IS PART OF GARMIN TERMINATED WIRE GROUP.
5. PART OF GARMIN KIT 011-00813-00.
6. PART OF GARMIN KIT 011-01000-00 (REF)

AUDIO SYSTEM
Figure 01 (Sheet 2)

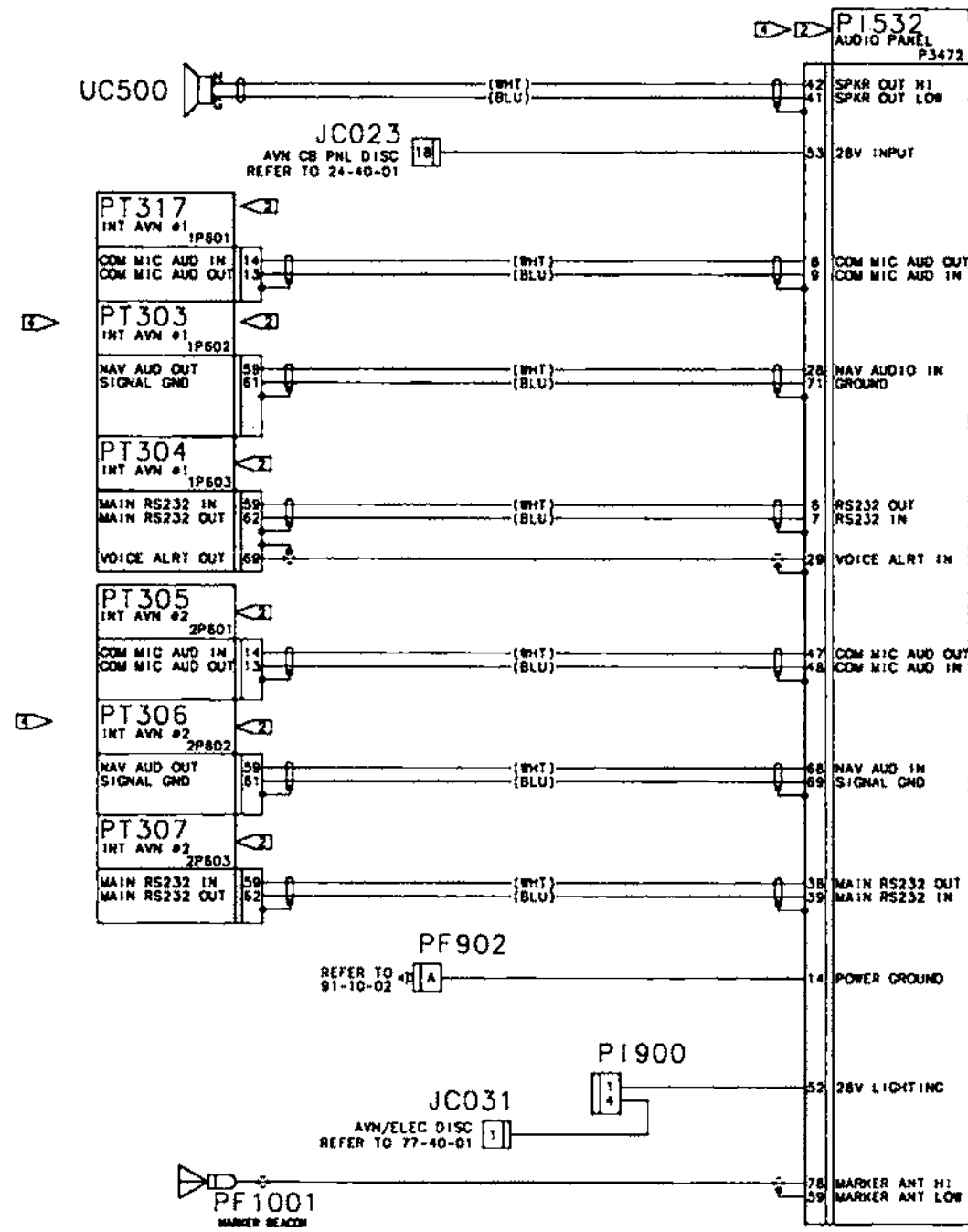
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CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
01			AUDIO SYSTEM 17281241 THRU 17281356 172S9810 THRU 172S10431 WITH NAV III OPTION		
JC031	S2350-4	CONNECTOR ELEC/AVN DISC	81241 & ON	01	
	S2353-5	CONTACT	9810 & ON	AR	
J1513	S2035-2	CONNECTOR	81241 & ON	01	
	S1636-1	SOCKET	9810 & ON	AR	
J1513	S1641-6	CONNECTOR COPILOT'S CONTROL WHEEL DISCONNECT (ZONE 221)		01	
	S1636-1	SOCKET		AR	
J1514	S1641-9	CONNECTOR PILOT'S CONTROL WHEEL DISCONNECT (ZONE 222)		01	
	S1636-1	SOCKET		AR	
PC509	N112B	JACK PILOT'S HEADSET (ZONE 211)	V82389 80984 & ON	01	
PC510	MNS112B	JACK HAND MIC (ZONE 211)	8704 & ON	01	
PC511	MNS112B	JACK PILOT'S MIC (ZONE 211)	V82389 80984 & ON	01	
PC515	N112B	JACK PASSENGER 1 HEADSET (ZONE 211)	8704 & ON	01	
PC517	MNS112B	JACK PASSENGER 1 MIC (ZONE 211)	V82389 80984 & ON	01	
PC522	S3556-4	CONNECTOR ENTERTAINMENT AUDIO JACK (ZONE 211)	8704 & ON	01	
	S3556-24	SOCKET	81098 81356		
PF508	N112B	JACK PASSENGER HEADSET (ZONE 211)	9063 10431	AR	
PF509	MNS112B	JACK PASSENGER 2 MIC (ZONE 211)	V82389 80984 & ON	01	
PF512	N112B	JACK COPILOT'S HEADSET (ZONE 211)	8704 & ON	01	
PF513	MNS112B	JACK COPILOT'S MIC (ZONE 211)	V82389 80984 & ON	01	
PF903	SK2701	CONNECTOR (ZONE 221)	V28198	01	
	FC116N2	CONTACT	V28198	AR	
	FC120N2	CONTACT		AR	
PI531		CONNECTOR AUDIO PANEL	81241 & ON	RF	
PT317	330-00185-44	PART OF GARMIN KIT 011-00813-00	9810 & ON		
		CONNECTOR INTEGRATED AVIONICS BOX 1	81241 & ON	01	
		PART OF GARMIN KIT 011-01000-00	9810 & ON		

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



NOTES:

1. ALL WIRE 22GAUGE UNLESS OTHERWISE NOTED.
2. GROUND SHIELDS TO THE BACKSHELL OF THE CONNECTOR USING THE GARMIN SUPPLIED GROUNDING LUGS ON THE CONNECTOR. SHIELD WIRES SHOULD BE NO LONGER THAN 3". REFER TO GARMIN DOCUMENT 180-00313-06 FOR SHIELD BLOCK INSTALLATION INSTRUCTIONS.
3. THE FOLLOWING SPECS ARE PART OF THIS DRAWING:
CSAM012 SHIELDED CABLE INSTALLATION.
CES2716 WIRE TERMINATIONS.

4. PART OF GARMIN KIT 011-00813-01.

AUDIO SYSTEM
Figure 02 (Sheet 1)

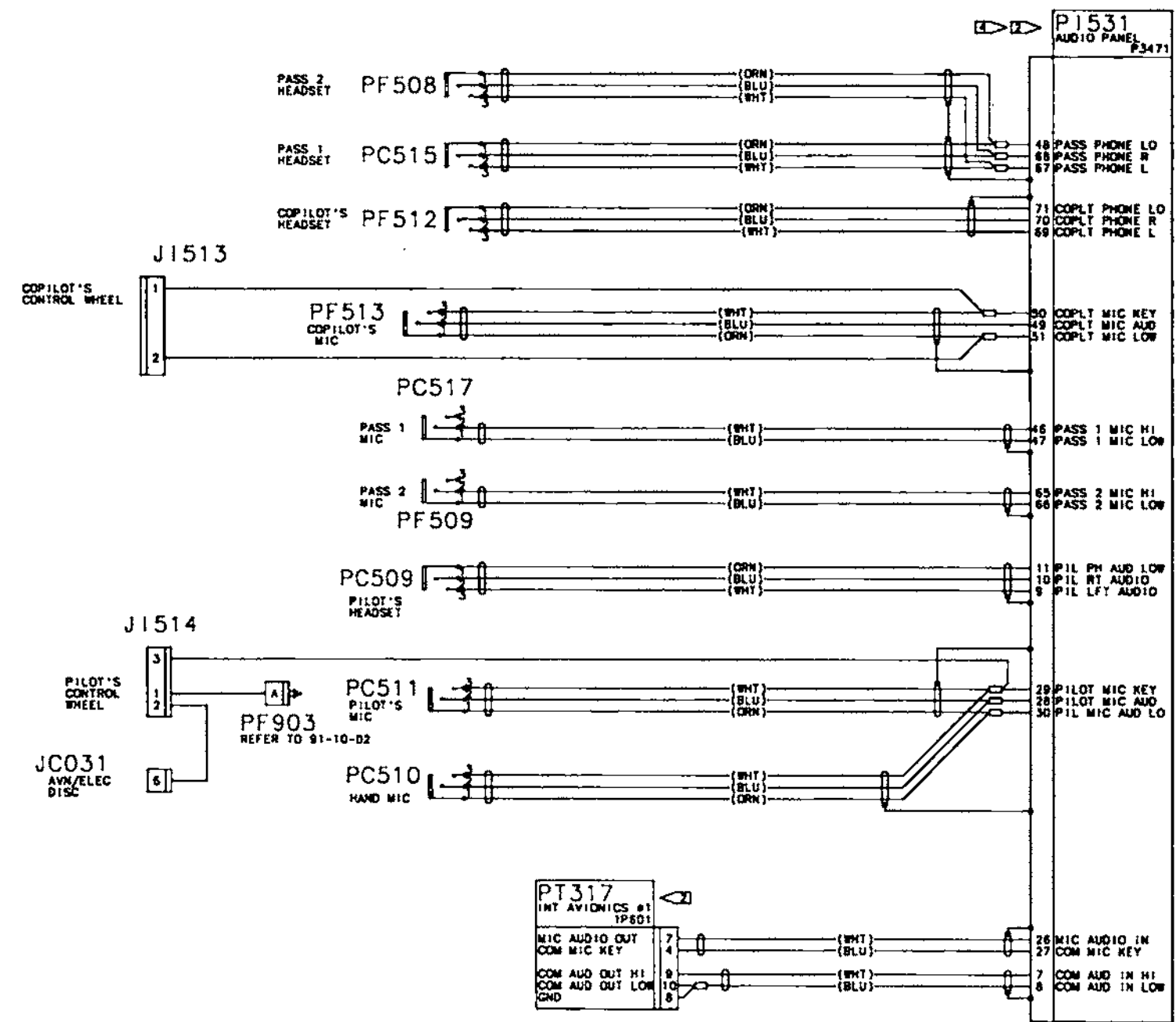
3921168A1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
02		AUDIO SYSTEM 17281357 & ON 172S10432 & ON WITH FIS & NAV III		
JC023	S2350-10	CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)	81241 & ON 9810 & ON	01 R
JC031	S2353-5 S2350-4	. . . PIN CONNECTOR ELEC/AVN DISC	81241 & ON 9810 & ON	AR R 01 R
PF1001	S2353-5 UG913A/U	. . CONTACT CONNECTOR MARKER BEACON ANTENNA	81241 & ON 9810 & ON	AR R 01 R
PF902	SK2701 FC116N2	. CONNECTOR GROUND (ZONE 221)	V28198	01 R
PI532	FC120N2	. . CONTACT . . CONTACT	V28198	AR R AR R
PI900	S3070-9	CONNECTOR AUDIO PANEL	81241 & ON 9810 & ON	RF R
	LMD6106P	PART OF GARMIN KIT 011-00813-00 CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01 R
	LMS01T-TL	. . BUSSING MODULE	V49367	01 R
	S2353-5	. . SPLICE CONNECTOR	V49367	01 R
PT303	030-01094-0051	. . PIN CONNECTOR NAVIGATION CONVERTER (ZONE 310)		AR R 01 R
PT304	050-01555-0000	CONNECTOR KIT		01 R
	330-00185-78	CONNECTOR INTEGRATED AVIONICS BOX 1	81241 & ON 9810 & ON	01 R
PT305	330-00185-44	CONNECTOR INTEGRATED AVIONICS BOX 2	81241 & ON 9810 & ON	01 R
PT306	330-00185-62	PART OF GARMIN KIT 011-01000-00 CONNECTOR INTEGRATED AVIONICS BOX 2	81241 & ON 9810 & ON	01 R
PT307	330-00185-78	PART OF GARMIN KIT 011-01000-00 CONNECTOR INTEGRATED AVIONICS BOX 2	81241 & ON 9810 & ON	01 R
PT317	330-00185-44	CONNECTOR INTEGRATED AVIONICS BOX 1	81241 & ON 9810 & ON	01 R
UC500	C596504-0101	PART OF GARMIN KIT 011-01000-00 SPEAKER (ZONE 211)		01 R
	S1829-1	. . TERMINAL		02 R

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



AUDIO SYSTEM
Figure 02 (Sheet 2)

3921168A2

CESSNA AIRCRAFT COMPANY

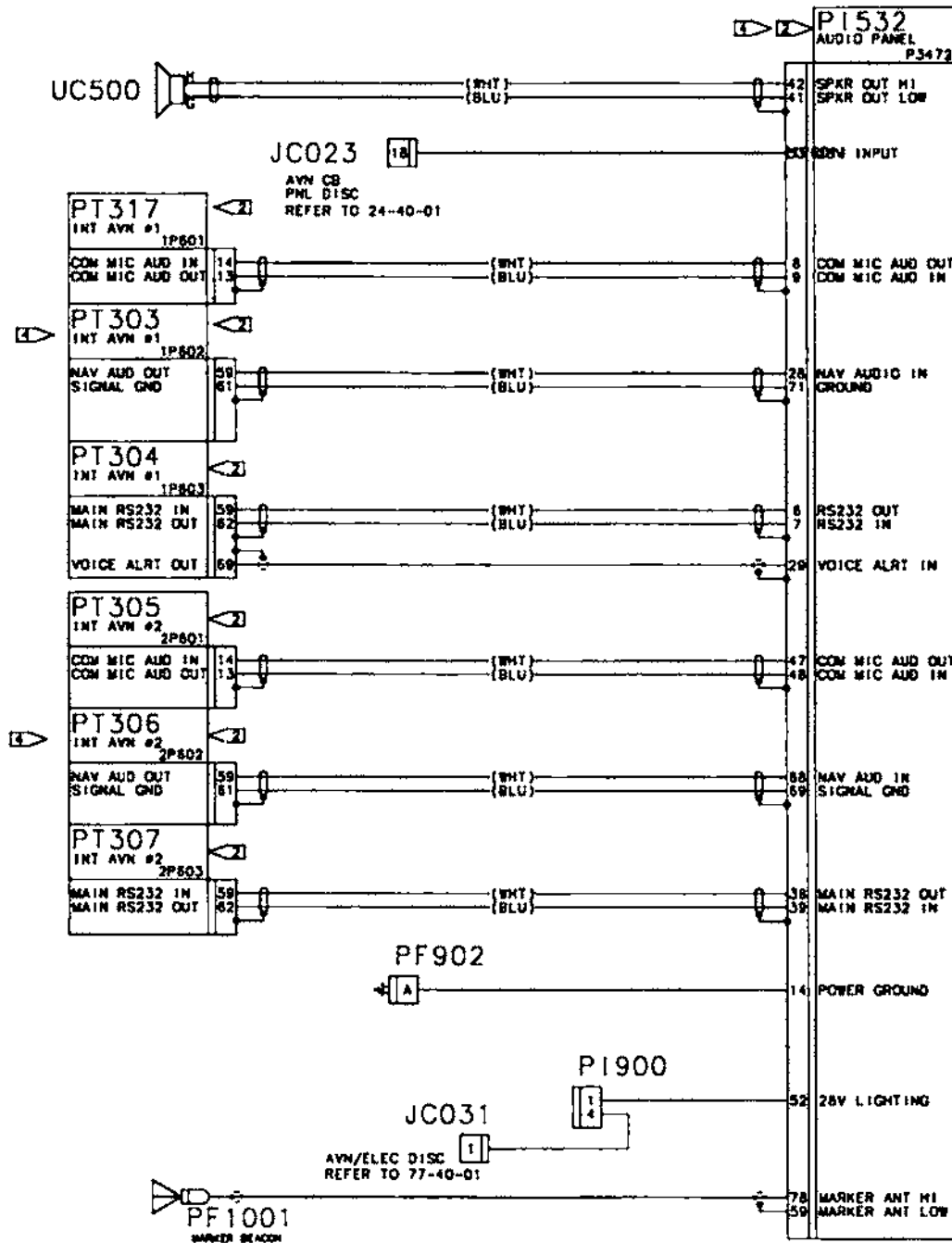
MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
02			AUDIO SYSTEM		
			17281357 & ON		
			172S10432 & ON		
			WITH FIS & NAV III		
JC031	S2350-4		CONNECTOR ELEC/AVN DISC	81241 & ON	01 R
				9810 & ON	
J1513	S2353-5		CONTACT		AR R
	S2035-2		CONNECTOR	81241 & ON	01 R
				9810 & ON	
J1513	S1636-1		SOCKET		AR R
	S1641-6		CONNECTOR COPILOT'S CONTROL WHEEL DISCONNECT		01 R
			(ZONE 221)		
J1514	S1636-1		SOCKET		AR R
	S1641-9		CONNECTOR PILOT'S CONTROL WHEEL DISCONNECT (ZONE		01 R
			222)		
PC509	S1636-1		SOCKET		AR R
	N112B		JACK PILOT'S HEADSET (ZONE 211)	V82389 80984 & ON	01 R
PC510	MNS112B		JACK HAND MIC (ZONE 211)	8704 & ON	
				V82389 80984 & ON	01 R
PC511	MNS112B		JACK PILOT'S MIC (ZONE 211)	8704 & ON	
				V82389 80984 & ON	01 R
PC515	N112B		JACK PASSENGER 1 HEADSET (ZONE 211)	8704 & ON	
				V82389 80984 & ON	01 R
PC517	MNS112B		JACK PASSENGER 1 MIC (ZONE 211)	8704 & ON	
				V82389 80984 & ON	01 R
PF508	N112B		JACK PASSENGER HEADSET (ZONE 211)	8704 & ON	
				V82389 80984 & ON	01 R
PF509	MNS112B		JACK PASSENGER 2 MIC (ZONE 211)	8704 & ON	
				V82389 80984 & ON	01 R
PF512	N112B		JACK COPILOT'S HEADSET (ZONE 211)	8704 & ON	
				V82389 80984 & ON	01 R
PF513	MNS112B		JACK COPILOT'S MIC (ZONE 211)	8704 & ON	
				V82389 80984 & ON	01 R
PF903	SK2701		CONNECTOR (ZONE 221)	V28198	01 R
	FC116N2		CONTACT	V28198	AR R
	FC120N2		CONTACT		AR R
PI531			CONNECTOR AUDIO PANEL	81241 & ON	RF R
			PART OF GARMIN KIT 011-00813-00	9810 & ON	
PT317	330-00185-44		CONNECTOR INTEGRATED AVIONICS BOX 1	81241 & ON	01 R
			PART OF GARMIN KIT 011-01000-00	9810 & ON	

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



NOTES:

1. ALL WIRE 22GAUGE UNLESS OTHERWISE NOTED.
2. GROUND SHIELDS TO THE BACKSHELL OF THE CONNECTOR USING THE GARMIN SUPPLIED GROUNDING LUGS ON THE CONNECTOR. SHIELD WIRES SHOULD BE NO LONGER THAN 3". REFER TO GARMIN DOCUMENT 190-00313-09 FOR SHIELD BLOCK INSTALLATION INSTRUCTIONS.
3. THE FOLLOWING SPECS ARE PART OF THIS DRAWING:
CSAM012 SHIELDED CABLE INSTALLATION,
CES2716 WIRE TERMINATIONS.
4. PART OF GARMIN KIT 011-00813-01.
5. LOCATE JC522 WITHIN 10 +/- 1 INCH OF PC512.

AUDIO SYSTEM
Figure 03 (Sheet 1)

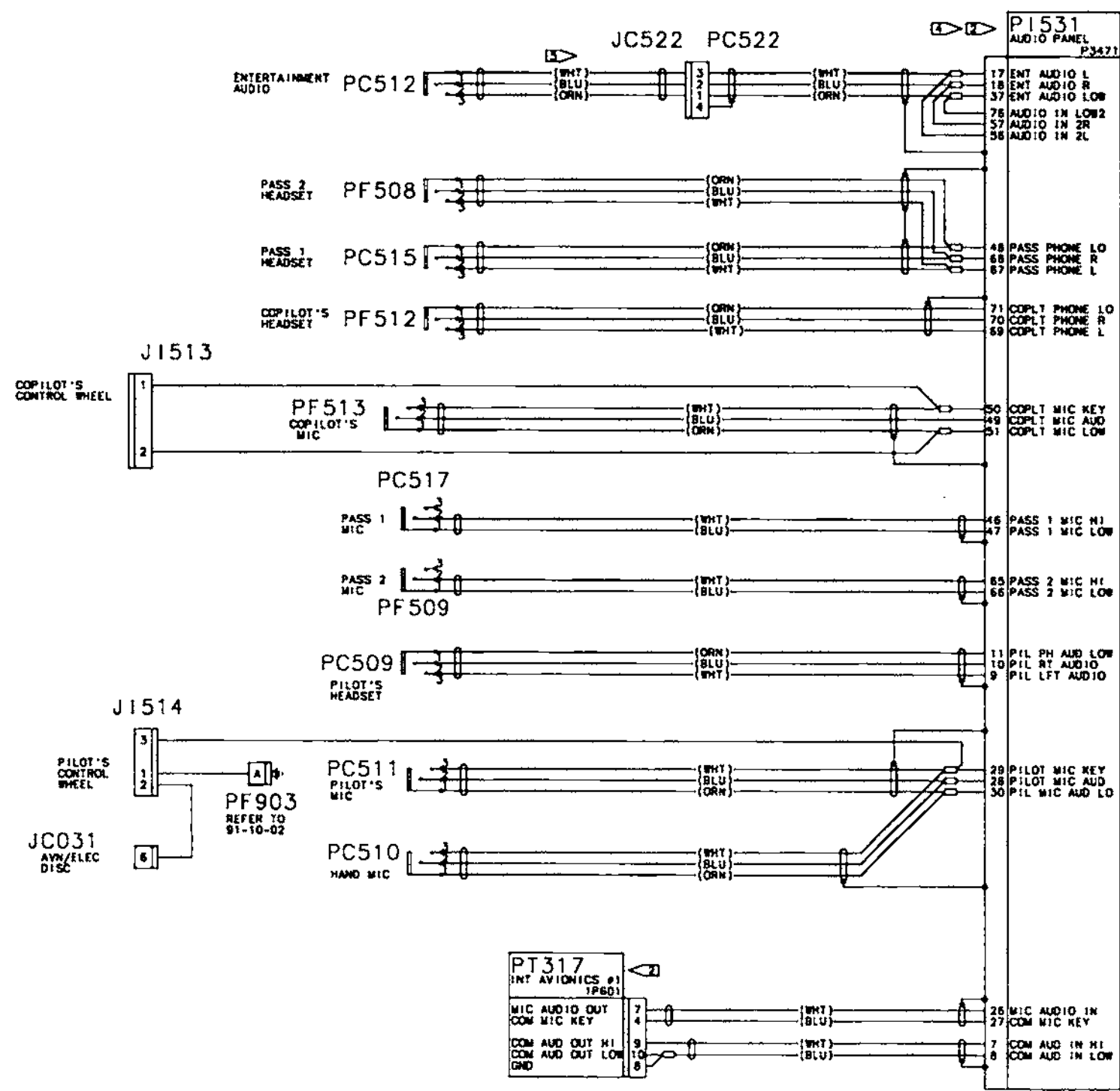
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CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
03		AUDIO SYSTEM 17281357 & ON 172S10432 & ON WITH NAV III AVIONICS		
JC023	S2350-10	CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)	81241 & ON 9810 & ON	01 R
JC031	S2353-5 S2350-4	. . PIN CONNECTOR ELEC/AVN DISC	81241 & ON 9810 & ON	AR R 01 R
PF1001	S2353-5 UG913A/U	. . CONTACT CONNECTOR MARKER BEACON ANTENNA	81241 & ON 9810 & ON	AR R 01 R
PF902	SK2701 FC116N2	CONNECTOR GROUND (ZONE 221)	V28198	01 R
PI532	FC120N2	. . CONTACT CONNECTOR AUDIO PANEL	V28198	AR R AR R
PI900	S3070-9	PART OF GARMIN KIT 011-00813-00 CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)	81241 & ON 9810 & ON	RF R 01 R
PT303	LMD6106P LMS01T-TL	. . BUSSING MODULE SPLICE CONNECTOR	V49367 V49367	01 R 01 R
PT304	S2353-5 030-01094-0051 050-01555-0000	. . PIN CONNECTOR NAVIGATION CONVERTER (ZONE 310) CONNECTOR KIT		AR R 01 R 01 R
PT305	330-00185-78	CONNECTOR INTEGRATED AVIONICS BOX 1	81241 & ON 9810 & ON	01 R
PT306	330-00185-44	CONNECTOR INTEGRATED AVIONICS BOX 2 PART OF GARMIN KIT 011-01000-00	81241 & ON 9810 & ON	01 R
PT307	330-00185-62	CONNECTOR INTEGRATED AVIONICS BOX 2 PART OF GARMIN KIT 011-01000-00	81241 & ON 9810 & ON	01 R
PT317	330-00185-78	CONNECTOR INTEGRATED AVIONICS BOX 2	81241 & ON 9810 & ON	01 R
UC500	330-00185-44	CONNECTOR INTEGRATED AVIONICS BOX 1 PART OF GARMIN KIT 011-01000-00	81241 & ON 9810 & ON	01 R
	C596504-0101 S1829-1	SPEAKER (ZONE 211) TERMINAL		01 R 02 R

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



- NOTES:
- 1. ALL WIRE 22GAUGE UNLESS OTHERWISE NOTED.
 - 2. GROUND SHIELDS TO THE BACKSHELL OF THE CONNECTOR USING THE GARMIN SUPPLIED GROUNDING LUGS ON THE CONNECTOR. SHIELD WIRES SHOULD BE NO LONGER THAN 3\"/>

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AUDIO SYSTEM
Figure 03 (Sheet 2)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

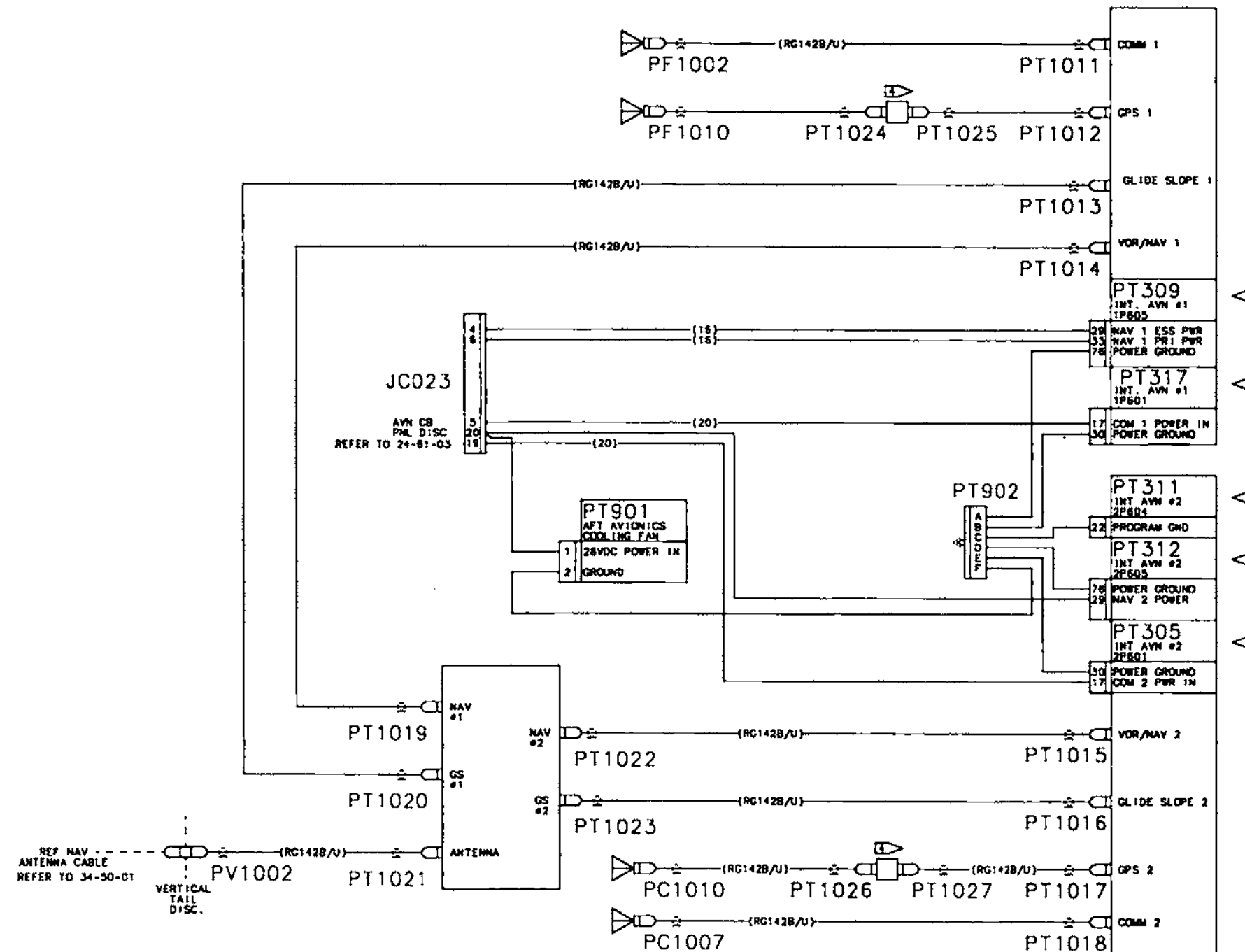
FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
03		AUDIO SYSTEM 17281357 & ON 172S10432 & ON WITH NAV III AVIONICS		
JC031	S2350-4	CONNECTOR ELEC/AVN DISC	81241 & ON 9810 & ON	01 R
JC522	S2353-5 S3556-21	CONTACT CONNECTOR	81357 & ON 10432 & ON	ARR 01 R
J1513	S3556-21 S2035-2	PIN CONNECTOR	81241 & ON 9810 & ON	ARR 01 R
J1513	S1636-1 S1641-6	SOCKET CONNECTOR COPILOT'S CONTROL WHEEL DISCONNECT (ZONE 221)		ARR 01 R
J1514	S1636-1 S1641-9	SOCKET CONNECTOR PILOT'S CONTROL WHEEL DISCONNECT (ZONE 222)		ARR 01 R
PC509	S1636-1 N112B	SOCKET JACK PILOT'S HEADSET (ZONE 211)	V82389 80984 & ON 8704 & ON	ARR 01 R
PC510	MNS112B	JACK HAND MIC (ZONE 211)	V82389 80984 & ON 8704 & ON	01 R
PC511	MNS112B	JACK PILOT'S MIC (ZONE 211)	V82389 80984 & ON 8704 & ON	01 R
PC512	35RAPC4BH3	JACK ENTERTAINMENT AUDIO (ZONE 211)	V82389 80984 & ON 8704 & ON	01 R
PC515	N112B	JACK PASSENGER 1 HEADSET (ZONE 211)	V82389 80984 & ON 8704 & ON	01 R
PC517	MNS112B	JACK PASSENGER 1 MIC (ZONE 211)	V82389 80984 & ON 8704 & ON	01 R
PC522	S3556-4	CONNECTOR ENTERTAINMENT AUDIO JACK (ZONE 211)	81098 81356 9063 10431	01 R
PF508	S3556-24 N112B	SOCKET JACK PASSENGER HEADSET (ZONE 211)	V82389 80984 & ON 8704 & ON	ARR 01 R
PF509	MNS112B	JACK PASSENGER 2 MIC (ZONE 211)	V82389 80984 & ON 8704 & ON	01 R
PF512	N112B	JACK COPILOT'S HEADSET (ZONE 211)	V82389 80984 & ON 8704 & ON	01 R
PF513	MNS112B	JACK COPILOT'S MIC (ZONE 211)	V82389 80984 & ON 8704 & ON	01 R
PF903	SK2701 FC116N2 FC120N2	CONNECTOR (ZONE 221) CONTACT CONTACT	V28198 V28198	01 R ARR ARR
PI531		CONNECTOR AUDIO PANEL PART OF GARMIN KIT 011-00813-00	81241 & ON 9810 & ON	RF R
PT317	330-00185-44	CONNECTOR INTEGRATED AVIONICS BOX 1 PART OF GARMIN KIT 011-01000-00	81241 & ON 9810 & ON	01 R

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

NOTES:

1. ALL WIRE 22GAUGE UNLESS OTHERWISE NOTED.
2. THE FOLLOWING SPECS ARE PART OF THIS DRAWING:
 CS44012 SHIELDED CABLE INSTALLATION.
 CES2716 WIRE TERMINATIONS.
- ③ PART OF GARMIN CONNECTOR KIT 011-01000-00 (2).
- ④ INSTALL THE C1511 ATTENUATOR WITHIN 6" OF THE GIA-83 BOX.



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INTEGRATED AVIONICS
 Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

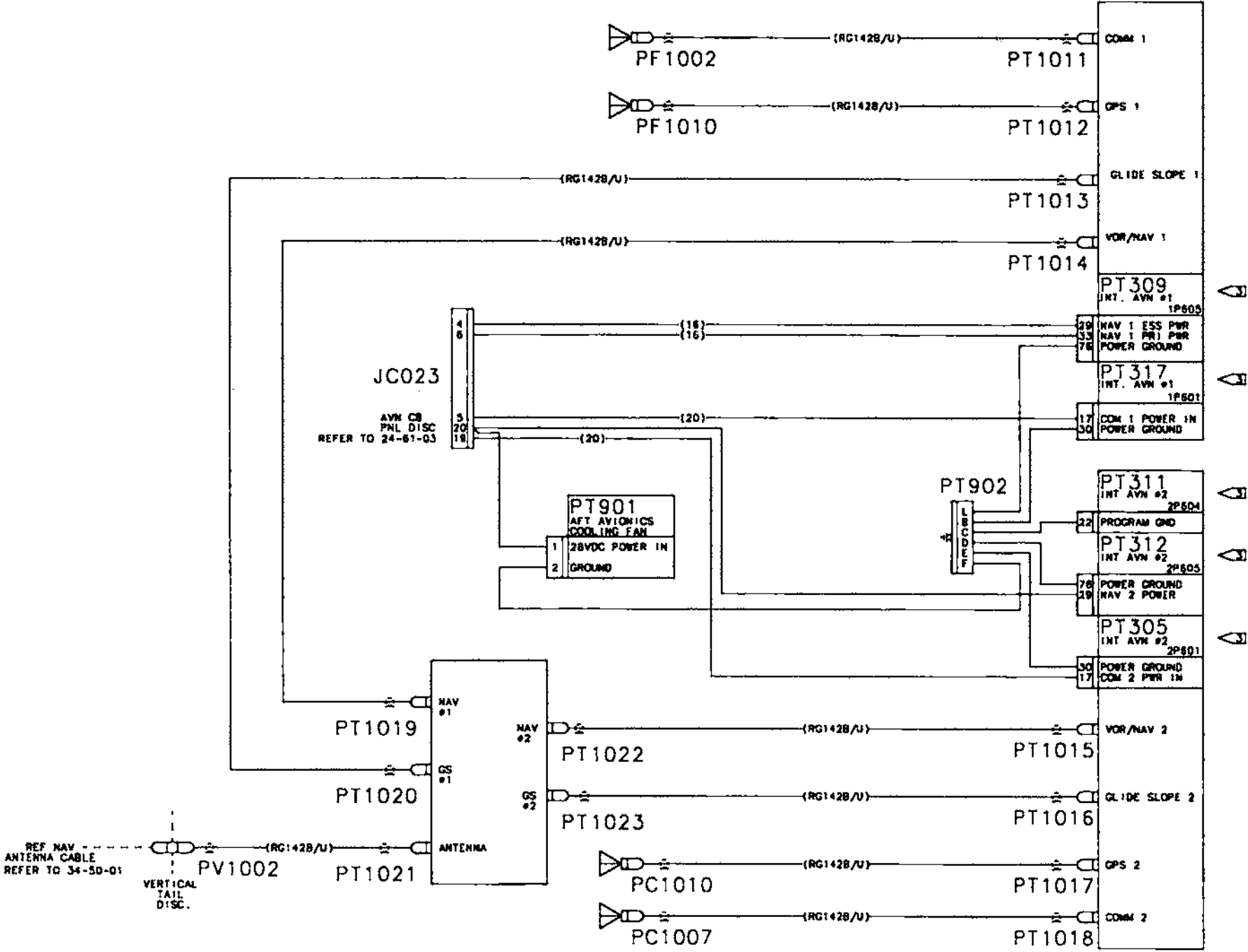
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
		1 2 3 4 5 6 7			
01			INTEGRATED AVIONICS		
			17281241 THRU 17281356		
			172S9810 THRU 172S10431		
			WITH NAV III OPTION		
JC023	S2350-10		CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)	81241 & ON 9810 & ON	01
-	S2353-5		. . PIN		AR
PC1007	UG913A/U		CONNECTOR COMM #2 ANTENNA COAX DISCONNECT (ZONE 340)		01
PC1010	225559-2		CONNECTOR GPS ANTENNA #1	V00779	01
PF1002	UG913A/U		CONNECTOR COMM #1 ANTENNA COAX DISCONNECT (ZONE 210)		01
PF1010	225559-2		CONNECTOR	V00779	01
PT1011	S3284-1		CONNECTOR INTEGRATED AVIONICS BOX 1		01
PT1012	S3284-1		CONNECTOR INTEGRATED AVIONICS BOX 1		01
PT1013	S3284-1		CONNECTOR INTEGRATED AVIONICS BOX 1		01
PT1014	S3284-1		CONNECTOR INTEGRATED AVIONICS BOX 1		01
PT1015	S3284-1		CONNECTOR INTEGRATED AVIONICS BOX 2		01
PT1016	S3284-1		CONNECTOR INTEGRATED AVIONICS BOX 2		01
PT1017	S3284-1		CONNECTOR INTEGRATED AVIONICS BOX 2		01
PT1018	S3284-1		CONNECTOR INTEGRATED AVIONICS BOX 2		01
PT1019	S3284-1		CONNECTOR		01
PT1020	S3284-1		CONNECTOR		01
PT1021	225555-6		CONNECTOR	V00779	01
PT1022	S3284-1		CONNECTOR		01
PT1023	S3284-1		CONNECTOR		01
PT1024	225555-6		CONNECTOR	V00779 81241 81356 9810 10431	01
PT1025	225555-6		CONNECTOR	V00779 81241 81356 9810 10431	01
PT1026	225555-6		CONNECTOR	V00779 81241 81356 9810 10431	01
PT1027	225555-6		CONNECTOR	V00779 81241 81356 9810 10431	01
PT305	330-00185-44		CONNECTOR INTEGRATED AVIONICS BOX 2	81241 & ON	01
PT309	330-00185-78		PART OF GARMIN KIT 011-01000-00	9810 & ON	
PT311	330-00185-44		CONNECTOR INTEGRATED AVIONICS BOX 2		01
PT312	330-00185-78		PART OF GARMIN KIT 011-01000-00		
PT317	330-00185-44		CONNECTOR INTEGRATED AVIONICS BOX 2	81272 & ON 10102 & ON	01
PT901	03-06-1023		CONNECTOR INTEGRATED AVIONICS BOX 1	81241 & ON	01
PT902	S2216-4		PART OF GARMIN KIT 011-01000-00	9810 & ON	
PT902	SK2701		CONNECTOR		01
-	FC120N2		. . SOCKET		02
PV1002	UG88C/U		CONNECTOR GROUND	81241 & ON 9810 & ON	01
-	S3284-1		. . CONTACT		AR
			CONNECTOR VERTICAL TAIL COAX DISCONNECT (ZONE 340) . .		01
			ALTERNATE FOR UG88C/U		01

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

- NOTES:
- 1. ALL WIRE 22GAUGE UNLESS OTHERWISE NOTED.
 - 2. THE FOLLOWING SPECS ARE PART OF THIS DRAWING:
CSAMD12 SHIELDED CABLE INSTALLATION.
CES2716 WIRE TERMINATIONS.
- PART OF GARMIN CONNECTOR KIT 011-01000-01 (2).



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INTEGRATED AVIONICS
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
02			INTEGRATED AVIONICS		
			17281357 & ON		
			172S10432 & ON		
			WITH NAV III OPTION		
JC023	S2350-10		CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)	81241 & ON 9810 & ON	01 R
	S2353-5		. . . PIN		AR R
PC1007	UG913A/U		CONNECTOR COMM #2 ANTENNA COAX DISCONNECT (ZONE 340)		01 R
PC1010	225559-2		CONNECTOR GPS ANTENNA #1	V00779	01 R
PF1002	UG913A/U		CONNECTOR COMM #1 ANTENNA COAX DISCONNECT (ZONE 210)		01 R
PF1010	225559-2		CONNECTOR	V00779	01 R
PT1011	S3284-1		CONNECTOR INTEGRATED AVIONICS BOX 1		01 R
PT1012	S3284-1		CONNECTOR INTEGRATED AVIONICS BOX 1		01 R
PT1013	S3284-1		CONNECTOR INTEGRATED AVIONICS BOX 1		01 R
PT1014	S3284-1		CONNECTOR INTEGRATED AVIONICS BOX 1		01 R
PT1015	S3284-1		CONNECTOR INTEGRATED AVIONICS BOX 2		01 R
PT1016	S3284-1		CONNECTOR INTEGRATED AVIONICS BOX 2		01 R
PT1017	S3284-1		CONNECTOR INTEGRATED AVIONICS BOX 2		01 R
PT1018	S3284-1		CONNECTOR INTEGRATED AVIONICS BOX 2		01 R
PT1019	S3284-1		CONNECTOR		01 R
PT1020	S3284-1		CONNECTOR		01 R
PT1021	225555-6		CONNECTOR	V00779	01 R
PT1022	S3284-1		CONNECTOR		01 R
PT1023	S3284-1		CONNECTOR		01 R
PT305	330-00185-44		CONNECTOR INTEGRATED AVIONICS BOX 2	81241 & ON 9810 & ON	01 R
PT309	330-00185-78		PART OF GARMIN KIT 011-01000-00		
			CONNECTOR INTEGRATED AVIONICS BOX 1		01 R
PT311	330-00185-44		PART OF GARMIN KIT 011-01000-00		
			CONNECTOR INTEGRATED AVIONICS BOX 2		01 R
PT312	330-00185-78		PART OF GARMIN KIT 011-01000-00		
			CONNECTOR INTEGRATED AVIONICS BOX 2	81272 & ON 10102 & ON	01 R
PT317	330-00185-44		PART OF GARMIN KIT 011-01000-00		
			CONNECTOR INTEGRATED AVIONICS BOX 1	81241 & ON 9810 & ON	01 R
PT901	03-06-1023		PART OF GARMIN KIT 011-01000-00		
			CONNECTOR		01 R
PT902	S2216-4		. . . SOCKET		02 R
	SK2701		CONNECTOR GROUND	81241 & ON 9810 & ON	01 R
	FC120N2		. . . CONTACT		AR R
PV1002	UG88C/U		CONNECTOR VERTICAL TAIL COAX DISCONNECT (ZONE 340) . .		01 R
	S3284-1		ALTERNATE FOR UG88C/U		01 R

- ITEM NOT ILLUSTRATED

CHAPTER

24

**ELECTRICAL
POWER**

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

<u>CHAPTER SECTION SUBJECT</u>		<u>NUMBER OF PAGES</u>	<u>DATE</u>
24-Title		1	
24-List of Effective Pages		2	Jan 20/2006
24-Record of Revisions		1	
24-Contents		1	Jan 20/2006
24-20-00	Figure 01	2	Jan 20/2006 Deleted
	Figure 02	2	Jan 20/2006 Deleted
24-20-01	Figure 01	4	Jan 20/2006 Added
	Figure 02	4	Jan 20/2006 Added
	Figure 03	2	Jan 20/2006 Added
24-30-00	Figure 01	2	Jan 20/2006 Deleted
	Figure 02	2	Jan 20/2006 Deleted
24-30-01	Figure 01	4	Jan 20/2006 Added
	Figure 02	4	Jan 20/2006 Added
	Figure 03	4	Jan 20/2006 Added
24-40-01	Figure 01	2	Jan 20/2006 Added
	Figure 02	2	Jan 20/2006 Added
24-50-00	Figure 01	2	Jan 20/2006 Deleted
	Figure 02	2	Jan 20/2006 Deleted
24-50-01	Figure 01	2	Jan 20/2006 Added
	Figure 02	2	Jan 20/2006 Added
	Figure 03	2	Jan 20/2006 Added
	Figure 04	2	Jan 20/2006 Added
24-51-01	Figure 01	2	Jan 20/2006
24-61-01	Figure 01	2	Jan 20/2006
	Figure 02	2	Jan 20/2006
	Figure 03	2	Jan 20/2006
	Figure 04	2	Jan 20/2006 Deleted
24-61-02	Figure 01	2	Jan 20/2006
24-61-03	Figure 01	4	Jan 20/2006 Added
24-62-10	Figure 01	2	Jan 20/2006 Deleted
24-62-11	Figure 01	2	Jan 20/2006
	Figure 02	2	Jan 20/2006
	Figure 03	2	Jan 20/2006
24-62-20	Figure 01	2	Jan 20/2006
24-62-21	Figure 01	2	Jan 20/2006
24-62-22	Figure 01	2	Jan 20/2006
24-62-23	Figure 01	2	Jan 20/2006
24-62-24	Figure 01	2	Jan 20/2006
24-62-25	Figure 01	2	Jan 20/2006
24-62-26	Figure 01	2	Jan 20/2006
24-62-27	Figure 01	2	Jan 20/2006
24-62-28	Figure 01	2	Jan 20/2006
24-62-29	Figure 01	2	Jan 20/2006 Added
24-62-30	Figure 01	2	Jan 20/2006 Added
24-62-31	Figure 01	2	Jan 20/2006 Added
24-62-32	Figure 01	2	Jan 20/2006 Added
24-62-33	Figure 01	2	Jan 20/2006 Added

24 - EFFECTIVITIES

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

CHAPTER
SECTION
SUBJECT

NUMBER
OF
PAGES

DATE

24-62-34

Figure 01

2

Jan 20/2006 Added

24-62-35

Figure 01

2

Jan 20/2006 Added

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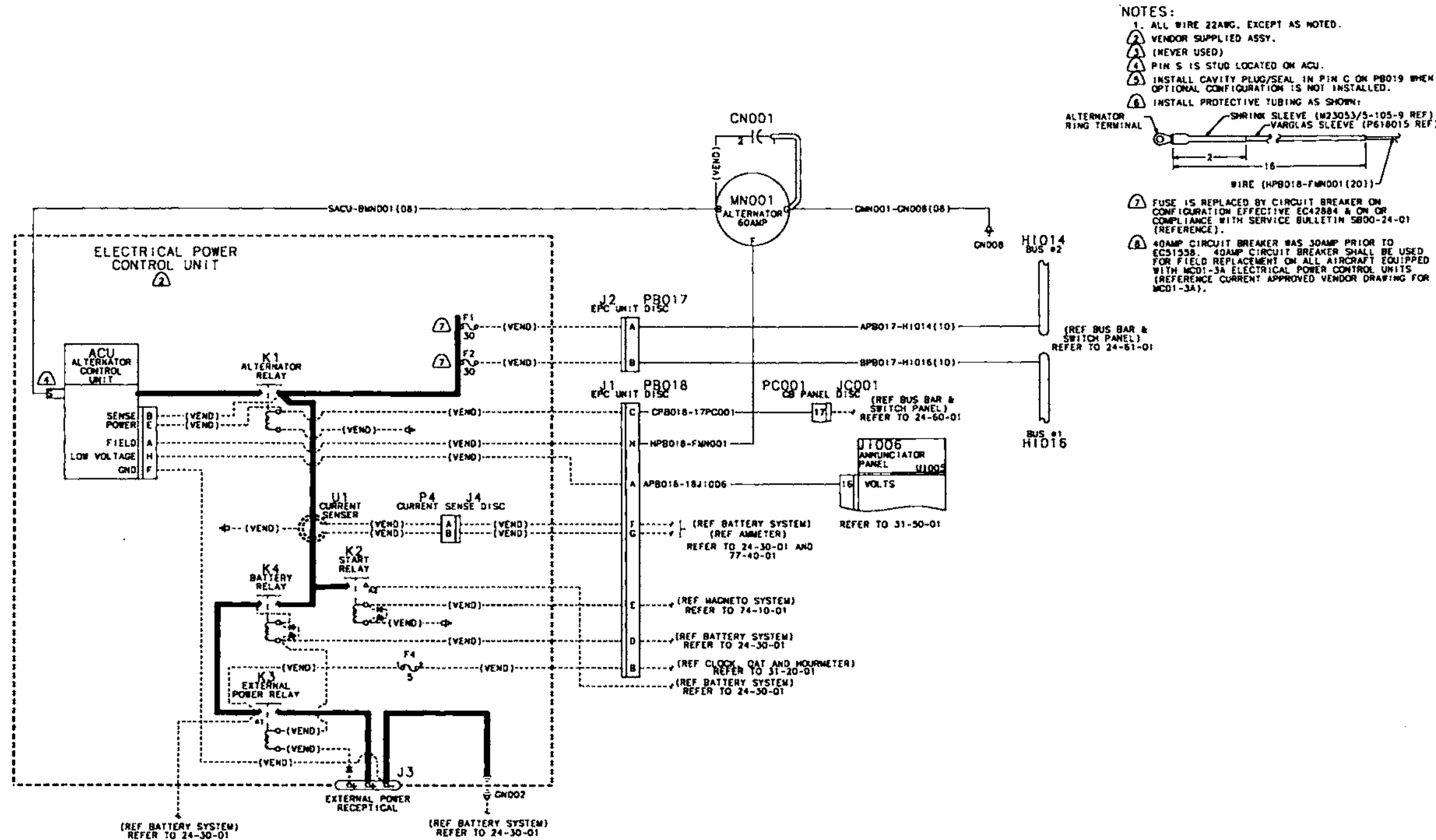
RECORD OF REVISIONS

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CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

<u>SUBJECT</u>	<u>CHAPTER/ SECTION/ SUBJECT</u>	<u>FIGURE</u>	<u>EFFECTIVITY</u> <u>START</u> <u>END</u>
ALTERNATOR SYSTEM	24-20-01	01	
ALTERNATOR SYSTEM	24-20-01	02	
ALTERNATOR SYSTEM	24-20-01	03	
BATTERY SYSTEM	24-30-01	01	
BATTERY SYSTEM	24-30-01	02	
BATTERY SYSTEM	24-30-01	03	
SWITCH PANEL	24-40-01	01	
SWITCH PANEL	24-40-01	02	
CABIN EQUIPMENT POWER INTERFACE	24-50-01	01	
CABIN EQUIPMENT POWER INTERFACE	24-50-01	02	
CABIN EQUIPMENT POWER INTERFACE	24-50-01	03	
CABIN EQUIPMENT POWER INTERFACE	24-50-01	04	
POWER CONVERTER	24-51-01	01	
BUS BAR AND SWITCH PANEL	24-61-01	01	
BUS BAR AND SWITCH PANEL	24-61-01	02	
BUS BAR AND SWITCH PANEL	24-61-01	03	
CIRCUIT BREAKER PANEL (OPT-SPLIT AVN SWITCH)	24-61-02	01	
CIRCUIT BREAKER PANEL	24-61-03	01	
AVIONICS CIRCUIT BREAKER PANEL	24-62-11	01	
AVIONICS CIRCUIT BREAKER PANEL	24-62-11	02	
AVIONICS CIRCUIT BREAKER PANEL	24-62-11	03	
AVIONICS CIRCUIT BREAKER PANEL	24-62-20	01	
AVIONICS CIRCUIT BREAKER PANEL	24-62-21	01	
AVIONICS CIRCUIT BREAKER PANEL	24-62-22	01	
AVIONICS CIRCUIT BREAKER PANEL	24-62-23	01	
AVIONICS CIRCUIT BREAKER PANEL	24-62-24	01	
AVIONICS CIRCUIT BREAKER PANEL	24-62-25	01	
AVIONICS CIRCUIT BREAKER PANEL	24-62-26	01	
AVIONICS CIRCUIT BREAKER PANEL	24-62-27	01	
AVIONICS CIRCUIT BREAKER PANEL	24-62-28	01	
AVIONICS CIRCUIT BREAKER PANEL	24-62-29	01	
AVIONICS CIRCUIT BREAKER PANEL	24-62-30	01	
AVIONICS CIRCUIT BREAKER PANEL	24-62-31	01	
AVIONICS CIRCUIT BREAKER PANEL	24-62-32	01	
AVIONICS CIRCUIT BREAKER PANEL	24-62-33	01	
AVIONICS CIRCUIT BREAKER PANEL	24-62-34	01	
AVIONICS CIRCUIT BREAKER PANEL	24-62-35	01	

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



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ALTERNATOR SYSTEM
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

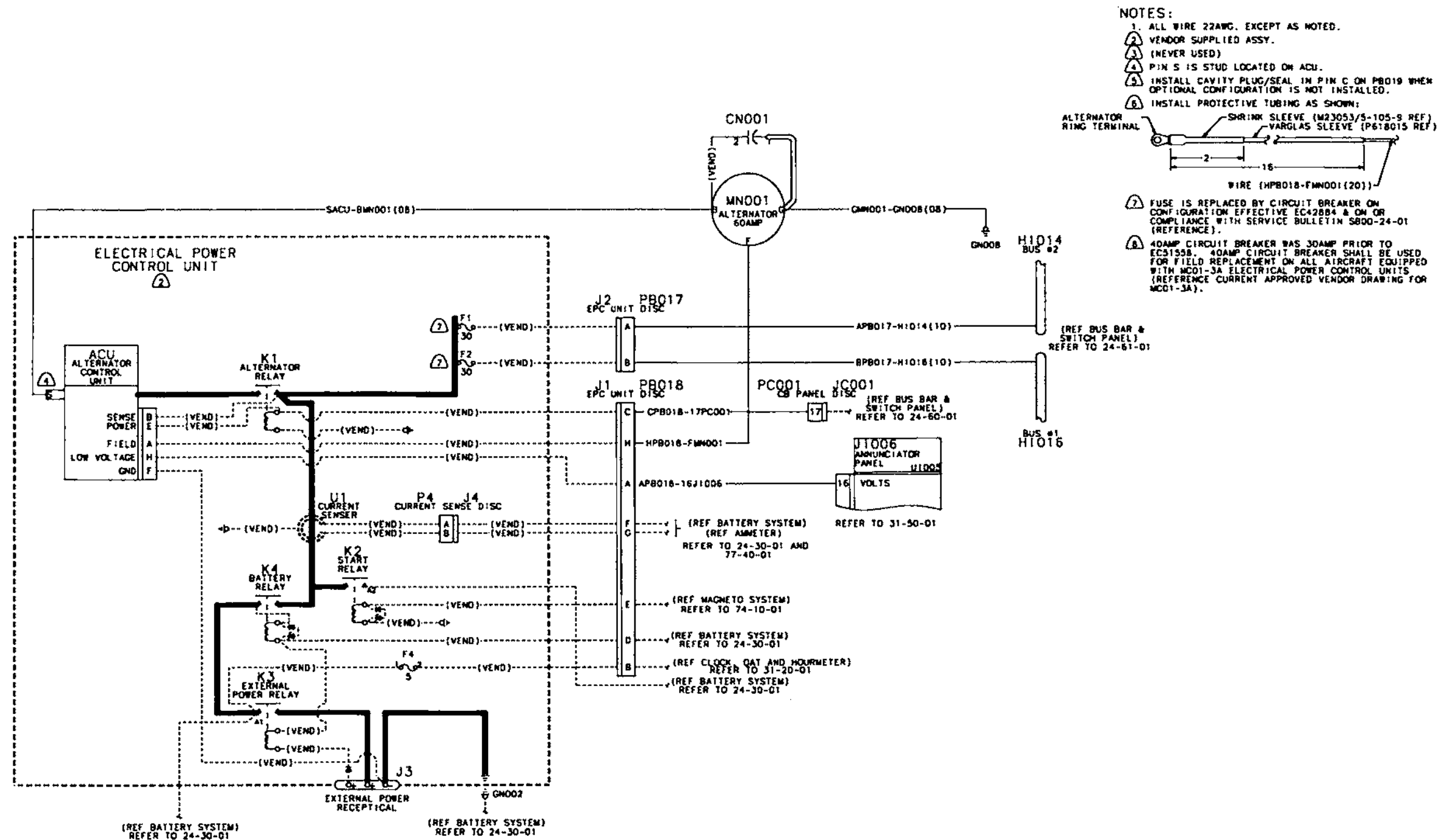
MODEL 172

WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
01		ALTERNATOR SYSTEM		
		17280001 THRU 17280983		
		172S8001 THRU 172S8703		
ACU	A2101	CONTROL UNIT ALTERNATOR (ZONE 121)	V65702	01 R
CN001	S1915-1	CAPACITOR ALTERNATOR (ZONE 120)	80001 80690	01 R
			8001 8049	
CN001	S1915-3	CAPACITOR ALTERNATOR (ZONE 120)	80691 & ON	01 R
			8050 & ON	
F1	ATC-30	FUSE POWER JUNCTION BOX (ZONE 121)	V65702 80001 80983	01 R
		NOT INCLUDING AIRPLANES INCORPORATING SB00-24-01	8001 8703	
F1	F53-0003	CIRCUIT BREAKER POWER JUNCTION BOX (ZONE 121)	V65702 80984 & ON	01 R
		ALSO INCLUDING AIRPLANES INCORPORATING SB00-24-01	8704 & ON	
F2	ATC-30	FUSE POWER JUNCTION BOX (ZONE 121)	V65702 80001 80983	01 R
		NOT INCLUDING AIRPLANES INCORPORATING SB00-24-01	8001 8703	
F2	F53-0003	CIRCUIT BREAKER POWER JUNCTION BOX (ZONE 224)	V65702 80984 & ON	01 R
		ALSO INCLUDING AIRPLANES INCORPORATING SB00-24-01	8704 & ON	
F4	AGC5	FUSE CLOCK (ZONE 121)	V65702	01 R
GN002		GROUND STUD (ZONE 120)	V65702	RF R
		SUPPLIED WITH VENDOR POWER JUNCTION BOX		
GN008	AN5-4A	GROUND STUD BOLT (ZONE 121)		01 R
	MS21043-5	NUT		01 R
	NAS1149D0516H	WASHER		01 R
J1		CONNECTOR POWER JUNCTION BOX (ZONE 121)		RF R
		SUPPLIED WITH VENDOR POWER JUNCTION BOX		
J2		CONNECTOR POWER JUNCTION BOX (ZONE 120)		RF R
		SUPPLIED WITH VENDOR POWER JUNCTION BOX		
J3		CONNECTOR EXTERNAL POWER RECEPTACLE (ZONE 121)		RF R
		SUPPLIED WITH VENDOR POWER JUNCTION BOX		
J4		CONNECTOR CURRENT SENSE DISCONNECT (ZONE 121)		RF R
		SUPPLIED WITH VENDOR POWER JUNCTION BOX		
JC001	S2349-5	CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01 R
	S2099-4	SOCKET		AR R
J1006	770585-1	CONNECTOR ANNUNCIATOR DISCONNECT (ZONE 225)	V00779	01 R
	170365-3	CONTACT	V00779	AR R
	S3556-26	CONTACT		01 R
K1		RELAY ALTERNATOR (ZONE 121)		RF R
		SUPPLIED WITH VENDOR POWER JUNCTION BOX		
K2		RELAY START (ZONE 120)	V00779	RF R
		SUPPLIED WITH VENDOR POWER JUNCTION BOX		
K3		RELAY EXTERNAL POWER (ZONE 121)	V00779	RF R
		SUPPLIED WITH VENDOR POWER JUNCTION BOX		
K4		RELAY BATTERY (ZONE 121)		RF R
		SUPPLIED WITH VENDOR POWER JUNCTION BOX		
MN001	9910591-5	ALTERNATOR 60 AMP (ZONE 120)	80001 80325	01 R
		AIRPLANES NOT INCORPORATING SB98-24-01		
MN001	9910591-11	ALTERNATOR 60 AMP (ZONE 120)	V00779 80326 & ON	01 R
		ALSO INCLUDING AIRPLANES INCORPORATING SB98-24-01	8001 & ON	
	S2114-1	NIPPLE		AR R
	S2114-2	NIPPLE		AR R
	TC218N1V02	INSULATOR CAP	VOMAS	01 R
	TC220N2V02	INSULATOR CAP	VOMAS	01 R
P4		CONNECTOR (ZONE 121)		RF R
		SUPPLIED WITH VENDOR POWER JUNCTION BOX		
PB017	S2800-275	CONNECTOR KIT JUNCTION BOX DISCONNECT (ZONE 121)		01 R
PB018	S2800-274	CONNECTOR KIT JUNCTION BOX DISCONNECT (ZONE 121)		01 R
PC001	S2350-10	CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01 R
	S2353-4	PIN		AR R
	S2353-5	PIN		AR R
U1		SENSOR CURRENT (ZONE 121)		RF R
		SUPPLIED WITH VENDOR POWER JUNCTION BOX		

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



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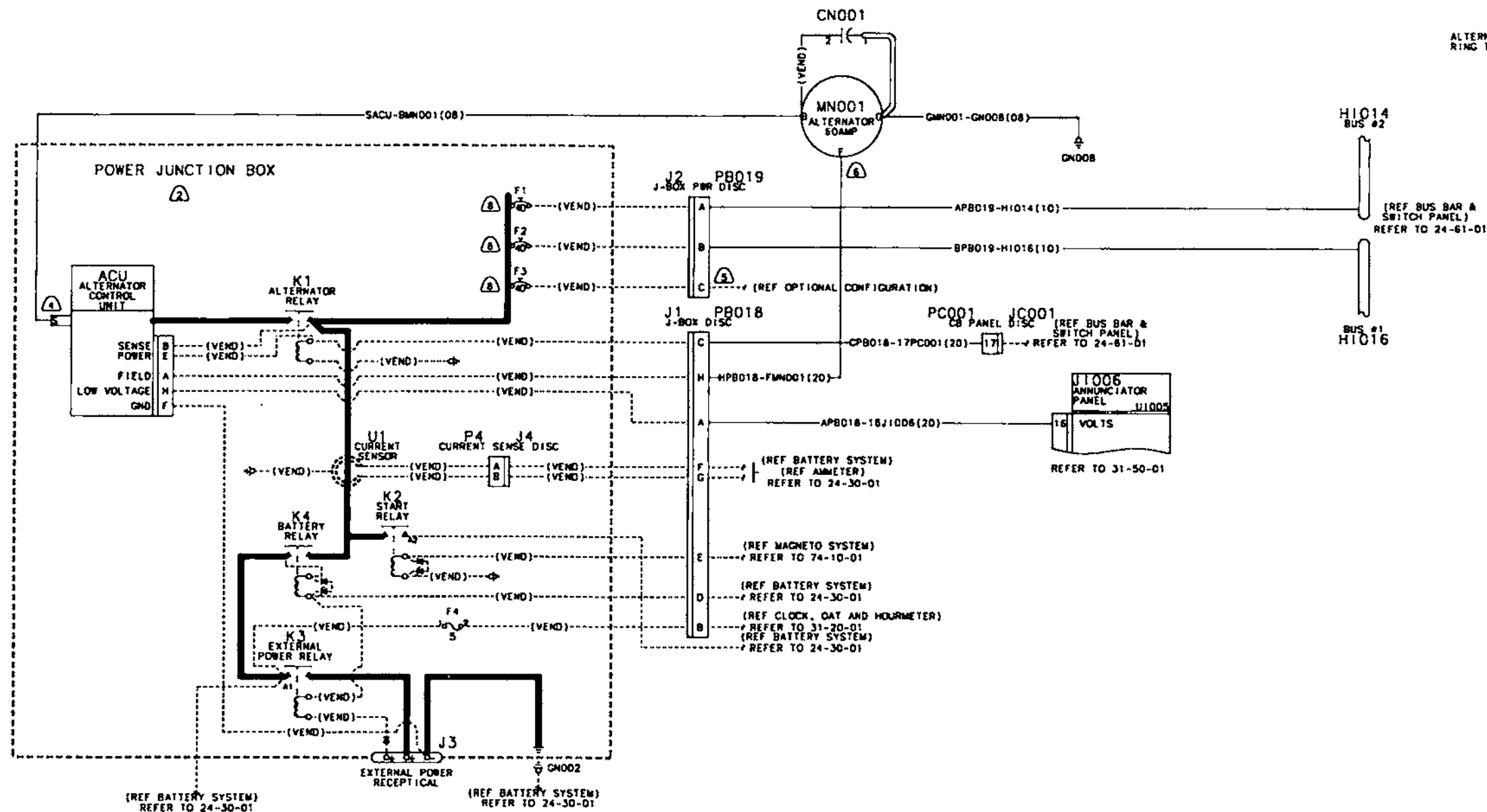
ALTERNATOR SYSTEM
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	1234567	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
UI005	CSEWCA-01	.	PANEL ANNUNCIATOR (ZONE 220)	V0GZF3 80001 80983 8001 8703	01 R

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



- NOTES:
- 1 ALL WIRE 22AWG, EXCEPT AS NOTED.
 - 2 VENDOR SUPPLIED ASSY.
 - 3 (NEVER USED)
 - 4 PIN S IS STUD LOCATED ON ACU.
 - 5 INSTALL CAVITY PLUG/SEAL IN PIN C ON PB019 WHEN OPTIONAL CONFIGURATION IS NOT INSTALLED.
 - 6 INSTALL PROTECTIVE TUBING AS SHOWN:
SHRINK SLEEVE (M23053/5-105-9 REF)
VARGLAS SLEEVE (P618015 REF)
WIRE (HPB018-FMND01(20))
 - 7 FUSE IS REPLACED BY CIRCUIT BREAKER ON CONFIGURATION EFFECTIVE EC42884 & ON OR COMPLIANCE WITH SERVICE BULLETIN SB00-24-01 (REFERENCE).
 - 8 40AMP CIRCUIT BREAKER WAS 30AMP PRIOR TO EC51558. 40AMP CIRCUIT BREAKER SHALL BE USED FOR FIELD REPLACEMENT ON ALL AIRCRAFT EQUIPPED WITH MCD1-3A ELECTRICAL POWER CONTROL UNITS (REFERENCE CURRENT APPROVED VENDOR DRAWING FOR MCD1-3A).
 - 9 SHUNT STYLE CURRENT SENSOR (REF U1) WAS HALL EFFECT STYLE CURRENT SENSOR PRIOR TO EC54175.

ALTERNATOR SYSTEM
Figure 02 (Sheet 1)

0570510H2

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

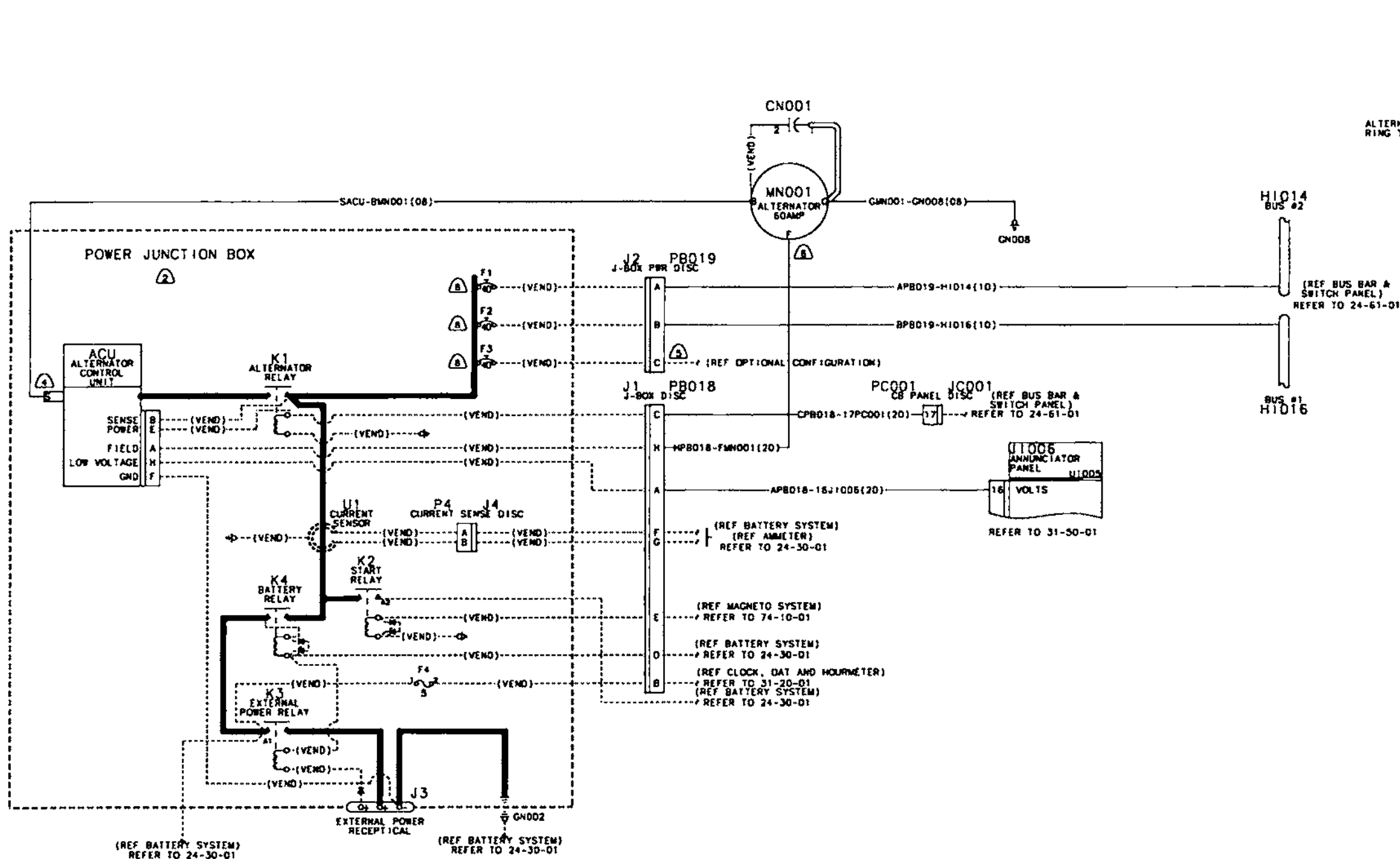
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
02			ALTERNATOR SYSTEM		
			17280984 & ON		
			172S8704 & ON		
			WITHOUT NAV III OPTION		
ACU	A2101		CONTROL UNIT ALTERNATOR (ZONE 121)	V65702	01 R
CN001	S1915-1		CAPACITOR ALTERNATOR (ZONE 120)	80001 80690	01 R
				8001 8049	
F1	ATC-30		FUSE POWER JUNCTION BOX (ZONE 121)	V65702 80001 80983	01 R
			NOT INCLUDING AIRPLANES INCORPORATING SB00-24-01	8001 8703	
F1	F53-0003		CIRCUIT BREAKER POWER JUNCTION BOX (ZONE 121)	V65702 80984 & ON	01 R
			ALSO INCLUDING AIRPLANES INCORPORATING SB00-24-01	8704 & ON	
F2	ATC-30		FUSE POWER JUNCTION BOX (ZONE 121)	V65702 80001 80983	01 R
			NOT INCLUDING AIRPLANES INCORPORATING SB00-24-01	8001 8703	
F2	F53-0003		CIRCUIT BREAKER POWER JUNCTION BOX (ZONE 224)	V65702 80984 & ON	01 R
			ALSO INCLUDING AIRPLANES INCORPORATING SB00-24-01	8704 & ON	
F3	F53-0003		CIRCUIT BREAKER POWER JUNCTION BOX (ZONE 224)	V65702 80984 & ON	01 R
			ALSO INCLUDING AIRPLANES INCORPORATING SB00-24-01	8704 & ON	
F4	AGC5		FUSE CLOCK (ZONE 121)	V65702	01 R
GN002			GROUND STUD (ZONE 120)	V65702	RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		
GN008	AN5-4A		GROUND STUD BOLT (ZONE 121)		01 R
	MS21043-5		NUT		01 R
	NAS1149D0516H		WASHER		01 R
J1			CONNECTOR POWER JUNCTION BOX (ZONE 121)		RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		
J2			CONNECTOR POWER JUNCTION BOX (ZONE 120)		RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		
J3			CONNECTOR EXTERNAL POWER RECEPTACLE (ZONE 121)		RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		
J4			CONNECTOR CURRENT SENSE DISCONNECT (ZONE 121)		RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		
JC001	S2349-5		CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01 R
	S2099-4		SOCKET		AR R
J1006	770585-1		CONNECTOR ANNUNCIATOR DISCONNECT (ZONE 225)	V00779	01 R
	170365-3		CONTACT	V00779	AR R
	S3556-26		CONTACT		01 R
K1			RELAY ALTERNATOR (ZONE 121)		RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		
K2			RELAY START (ZONE 120)	V00779	RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		
K3			RELAY EXTERNAL POWER (ZONE 121)	V00779	RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		
K4			RELAY BATTERY (ZONE 121)		RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		
MN001	9910591-11		ALTERNATOR 60 AMP (ZONE 120)	V00779 80326 & ON	01 R
			ALSO INCLUDING AIRPLANES INCORPORATING SB98-24-01	8001 & ON	
	S2114-1		NIPPLE		AR R
	S2114-2		NIPPLE		AR R
	TC218N1V02		INSULATOR CAP	VOMAS	01 R
	TC220N2V02		INSULATOR CAP	VOMAS	01 R
P4			CONNECTOR (ZONE 121)		RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		
PB018	S2800-274		CONNECTOR KIT JUNCTION BOX DISCONNECT (ZONE 121)		01 R
PB019	KTKSAD10280X3		CONNECTOR KIT JUNCTION BOX DISCONNECT (ZONE 121)	V1F242	01 R
PC001	S2350-10		CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01 R
	S2353-4		PIN		AR R
	S2353-5		PIN		AR R
U1			SENSOR CURRENT (ZONE 121)		RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		

- ITEM NOT ILLUSTRATED

Figure 02

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



- NOTES:
- 1. ALL WIRE 22AWG, EXCEPT AS NOTED.
 - 2. VENDOR SUPPLIED ASSY.
 - 3. (NEVER USED)
 - 4. PIN 5 IS STUD LOCATED ON ACU.
 - 5. INSTALL CAVITY PLUG/SEAL IN PIN C ON PB019 WHEN OPTIONAL CONFIGURATION IS NOT INSTALLED.
 - 6. INSTALL PROTECTIVE TUBING AS SHOWN:
ALTERNATOR RING TERMINAL
SHRINK SLEEVE (W23053/5-105-9 REF)
VARGLAS SLEEVE (P618015 REF)
WIRE (HPB018-FM001(20))
 - 7. FUSE IS REPLACED BY CIRCUIT BREAKER ON CONFIGURATION EFFECTIVE EC42884 & ON OR COMPLIANCE WITH SERVICE BULLETIN SB00-24-01 (REFERENCE).
 - 8. 40AMP CIRCUIT BREAKER WAS 30AMP PRIOR TO EC51538. 40AMP CIRCUIT BREAKER SHALL BE USED FOR FIELD REPLACEMENT ON ALL AIRCRAFT EQUIPPED WITH W001-3A ELECTRICAL POWER CONTROL UNITS (REFERENCE CURRENT APPROVED VENDOR DRAWING FOR W001-3A).
 - 9. SHUNT STYLE CURRENT SENSOR (REF U1) WAS HALL EFFECT STYLE CURRENT SENSOR PRIOR TO EC34175.

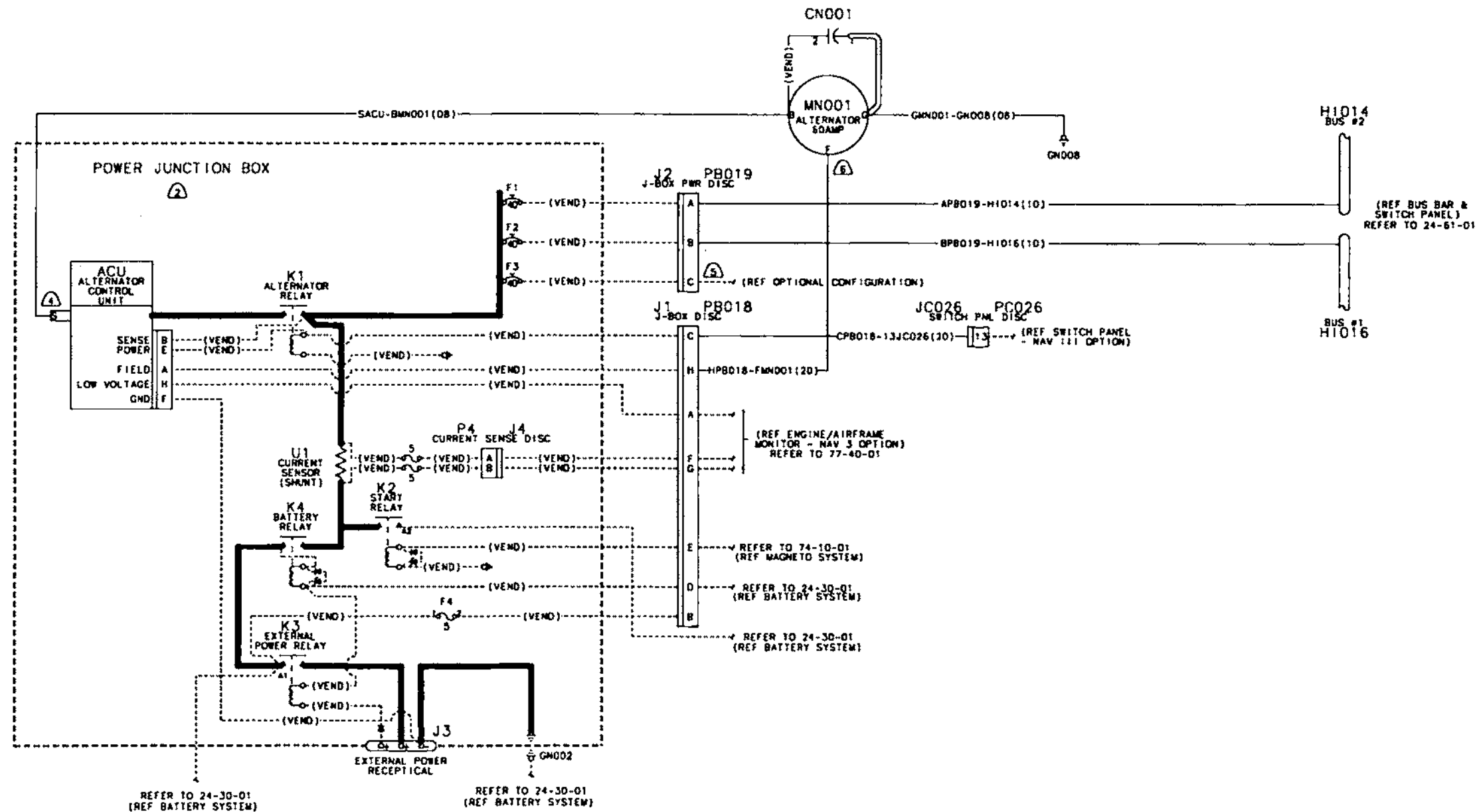
ALTERNATOR SYSTEM
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	1 2 3 4 5 6 7	NOMENCLATURE	EFFECTIVITY		UNITS PER ASSY
				FROM	TO	
UI005	CSEWCA-01		PANEL ANNUNCIATOR (ZONE 220)	V0GZF3 80001 8001	80983 8703	01 R

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



- NOTES:**
1. ALL WIRE 22AWG, EXCEPT AS NOTED.
 2. WIRE SUPPLIED ASSY.
 3. (NEVER USED)
 4. PIN 5 IS STUD LOCATED ON ACU.
 5. INSTALL CAVITY PLUG/SEAL IN PIN C ON PBO18 WHEN OPTIONAL CONFIGURATION IS NOT INSTALLED.
 6. INSTALL PROTECTIVE TUBING AS SHOWN:
-
- The diagram shows a wire assembly with a terminal on the left. A dimension line indicates a length of 2 units from the terminal to the start of a shrink sleeve. The shrink sleeve is labeled 'SHRINK SLEEVE (M23053/5-105-9 REF)'. Following the shrink sleeve is a section labeled 'VARGLAS SLEEVE (P618015 REF)'. A dimension line indicates a length of 16 units for the Varglas sleeve section. The entire assembly is labeled 'WIRE (MPB018-FM001(20))'.
7. FUSE IS REPLACED BY CIRCUIT BREAKER ON CONFIGURATION EFFECTIVE EC42884 & ON OR COMPLIANCE WITH SERVICE BULLETIN 5800-24-01 (REFERENCE).
 8. 40AMP CIRCUIT BREAKER WAS 30AMP PRIOR TO EC51558. 40AMP CIRCUIT BREAKER SHALL BE USED FOR FIELD REPLACEMENT ON ALL AIRCRAFT EQUIPPED WITH MCO1-3A ELECTRICAL POWER CONTROL UNITS (REFERENCE CURRENT APPROVED VENDOR DRAWING FOR MCO1-3A).
 9. SHUNT STYLE CURRENT SENSOR (REF U1) WAS HALL EFFECT STYLE CURRENT SENSOR PRIOR TO EC54175.

ALTERNATOR SYSTEM
Figure 03 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

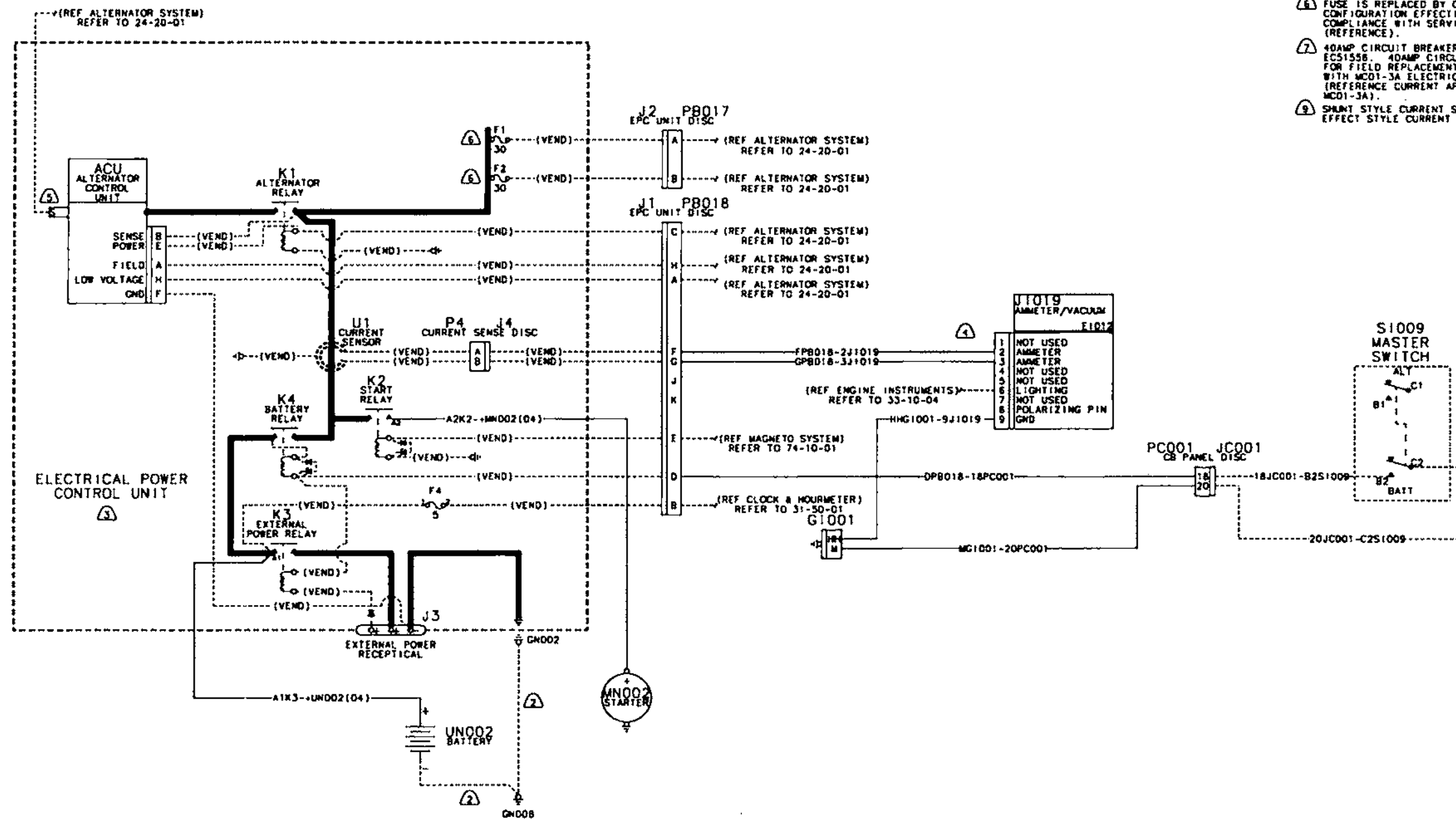
FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
		1 2 3 4 5 6 7		
03		ALTERNATOR SYSTEM		
		17281241 & ON		
		172S9810 & ON		
		WITH NAV III OPTION		
ACU	A2101	CONTROL UNIT ALTERNATOR (ZONE 121)	V65702	01 R
CN001	S1915-1	CAPACITOR ALTERNATOR (ZONE 120)	80001 80690	01 R
			8001 8049	
F1	F53-0003	CIRCUIT BREAKER POWER JUNCTION BOX (ZONE 121)	V65702	01 R
		ALSO INCLUDING AIRPLANES INCORPORATING SB00-24-01	80984 & ON	
F2	F53-0003	CIRCUIT BREAKER POWER JUNCTION BOX (ZONE 224)	V65702	01 R
		ALSO INCLUDING AIRPLANES INCORPORATING SB00-24-01	8704 & ON	
F3	F53-0003	CIRCUIT BREAKER POWER JUNCTION BOX (ZONE 224)	V65702	01 R
		ALSO INCLUDING AIRPLANES INCORPORATING SB00-24-01	80984 & ON	
			8704 & ON	
F4	AGC5	FUSE CLOCK (ZONE 121)	V65702	01 R
GN002		GROUND STUD (ZONE 120)	V65702	RF R
		SUPPLIED WITH VENDOR POWER JUNCTION BOX		
GN008	AN5-4A	GROUND STUD BOLT (ZONE 121)		01 R
	MS21043-5	NUT		01 R
	NAS1149D0516H	WASHER		01 R
J1		CONNECTOR POWER JUNCTION BOX (ZONE 121)		RF R
		SUPPLIED WITH VENDOR POWER JUNCTION BOX		
J2		CONNECTOR POWER JUNCTION BOX (ZONE 120)		RF R
		SUPPLIED WITH VENDOR POWER JUNCTION BOX		
J3		CONNECTOR EXTERNAL POWER RECEPTACLE (ZONE 121)		RF R
		SUPPLIED WITH VENDOR POWER JUNCTION BOX		
J4		CONNECTOR CURRENT SENSE DISCONNECT (ZONE 121)		RF R
		SUPPLIED WITH VENDOR POWER JUNCTION BOX		
JC026	S2350-3	CONNECTOR SWITCH PANEL DISCONNECT (ZONE 224)	81241 & ON	01 R
			9810 & ON	
	S2353-4	PIN		AR R
	S2353-5	PIN		AR R
K1		RELAY ALTERNATOR (ZONE 121)		RF R
		SUPPLIED WITH VENDOR POWER JUNCTION BOX		
K2		RELAY START (ZONE 120)	V00779	RF R
		SUPPLIED WITH VENDOR POWER JUNCTION BOX		
K3		RELAY EXTERNAL POWER (ZONE 121)	V00779	RF R
		SUPPLIED WITH VENDOR POWER JUNCTION BOX		
K4		RELAY BATTERY (ZONE 121)		RF R
		SUPPLIED WITH VENDOR POWER JUNCTION BOX		
MN001	9910591-11	ALTERNATOR 60 AMP (ZONE 120)	V00779 80326 & ON	01 R
		ALSO INCLUDING AIRPLANES INCORPORATING SB98-24-01	8001 & ON	
	S2114-1	NIPPLE		AR R
	S2114-2	NIPPLE		AR R
	TC218N1V02	INSULATOR CAP	VOMAS	01 R
	TC220N2V02	INSULATOR CAP	VOMAS	01 R
P4		CONNECTOR (ZONE 121)		RF R
		SUPPLIED WITH VENDOR POWER JUNCTION BOX		
PB018	S2800-274	CONNECTOR KIT JUNCTION BOX DISCONNECT (ZONE 121)		01 R
PB019	KTKSAD10280X3	CONNECTOR KIT JUNCTION BOX DISCONNECT (ZONE 121)	V1F242	01 R
PC026	S2349-1	CONNECTOR SWITCH PANEL (ZONE 224)	81241 & ON	01 R
			9810 & ON	
	S2099-13	SOCKET		AR R
U1		SENSOR CURRENT (ZONE 121)		RF R
		SUPPLIED WITH VENDOR POWER JUNCTION BOX		

- ITEM NOT ILLUSTRATED

Figure 03

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



NOTES:

1. ALL WIRE 22AWG, EXCEPT AS NOTED
2. GROUND STRAP (REF FUSELAGE WIRE ROUTING)
3. VENDOR SUPPLIED ASSY
4. INSTALL POLARIZING PIN INTO PIN 8 OF J1019
5. PIN 5 IS STUD LOCATED ON ACU.
6. FUSE IS REPLACED BY CIRCUIT BREAKER ON CONFIGURATION EFFECTIVE EC42884 & ON OR COMPLIANCE WITH SERVICE BULLETIN SB00-24-01 (REFERENCE).
7. 40AMP CIRCUIT BREAKER WAS 30AMP PRIOR TO EC51558. 40AMP CIRCUIT BREAKER SHALL BE USED FOR FIELD REPLACEMENT ON ALL AIRCRAFT EQUIPPED WITH MCD1-3A ELECTRICAL POWER CONTROL UNITS (REFERENCE CURRENT APPROVED VENDOR DRAWING FOR MCD1-3A).
8. SHUNT STYLE CURRENT SENSOR (REF U1) WAS HALL EFFECT STYLE CURRENT SENSOR PRIOR TO EC54175.

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BATTERY SYSTEM
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

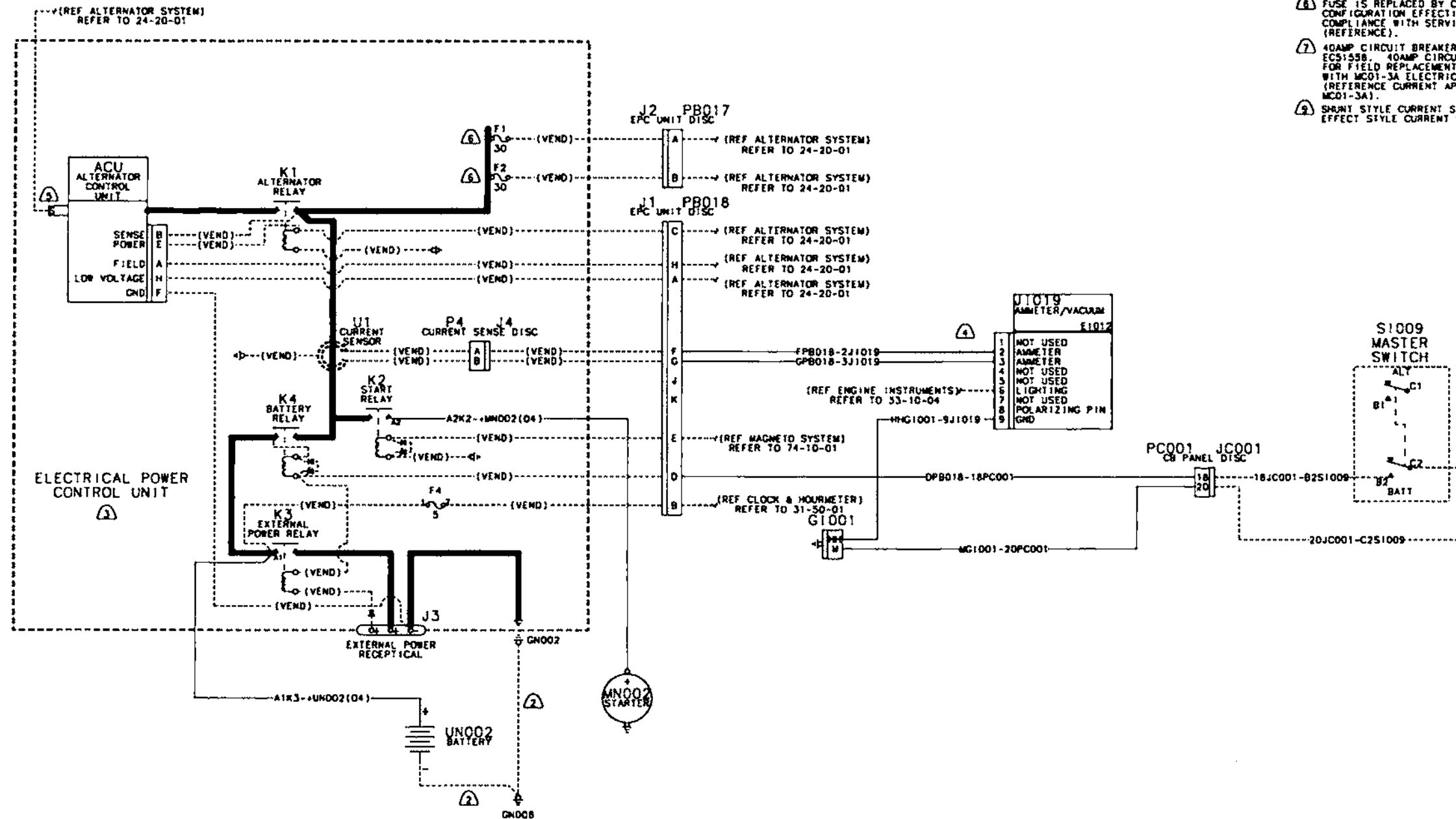
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
		1234567			
01			BATTERY SYSTEM		
			17280001 THRU 17280983		
			172S8001 THRU 172S8703		
ACU	A2101		CONTROL UNIT ALTERNATOR (ZONE 121)	V65702	01 R
E1012	S3280-1		INDICATOR AMMETER/VACUUM (ZONE 220)		01 R
F1	ATC-30		FUSE POWER JUNCTION BOX (ZONE 121)	V65702	01 R
			NOT INCLUDING AIRPLANES INCORPORATING SB00-24-01	80001 80983	
F1	F53-0003		CIRCUIT BREAKER POWER JUNCTION BOX (ZONE 121)	V65702	01 R
			ALSO INCLUDING AIRPLANES INCORPORATING SB00-24-01	80984 & ON	
F2	ATC-30		FUSE POWER JUNCTION BOX (ZONE 121)	V65702	01 R
			NOT INCLUDING AIRPLANES INCORPORATING SB00-24-01	80001 80983	
F4	AGC5		FUSE CLOCK (ZONE 121)	V65702	01 R
GI001	S2527-1		CONNECTOR GROUND (ZONE 211)	80001 80883	01 R
				8001 8402	
-	203618-1		JACK SCREW		ARR
-	AN340-3		NUT		ARR
-	S2527-3		CLAMP		01 R
-	S2099-4		SOCKET	80001 81142	ARR
GI001	200838-2		CONNECTOR GROUND (ZONE 211)	V00779 80884 & ON	01 R
				8403 & ON	
-	201846-1		CLAMP KIT		01 R
-	203618-1		JACK SCREW		ARR
-	AN340-3		NUT		ARR
-	S2099-4		SOCKET	80001 81142	ARR
-	S2099-3		CONTACT	81143 & ON	ARR
GN002			GROUND STUD (ZONE 120)	V65702	RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		
GN008	AN5-4A		GROUND STUD BOLT (ZONE 121)		01 R
-	MS21043-5		NUT		01 R
-	NAS1149D0516H		WASHER		01 R
J1			CONNECTOR POWER JUNCTION BOX (ZONE 121)		RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		
J2			CONNECTOR POWER JUNCTION BOX (ZONE 120)		RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		
J3			CONNECTOR EXTERNAL POWER RECEPTACLE (ZONE 121)		RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		
J4			CONNECTOR CURRENT SENSE DISCONNECT (ZONE 121)		RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		
JC001	S2349-5		CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01 R
-	S2099-4		SOCKET		ARR
JI019	S2349-3		CONNECTOR AMMETER/VACUUM (ZONE 220)		01 R
-	S2099-4		SOCKET		ARR
-	S2414-1		KEYING PLUG		ARR
K1			RELAY ALTERNATOR (ZONE 121)		RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		
K2			RELAY START (ZONE 120)	V00779	RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		
K3			RELAY EXTERNAL POWER (ZONE 121)	V00779	RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		
K4			RELAY BATTERY (ZONE 121)		RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		
MN002	31B22207		STARTER (ZONE 120)	V65702	01 R
-	S1367-6-13		NIPPLE		01 R
P4			CONNECTOR (ZONE 121)		RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		
PB017	S2800-275		CONNECTOR KIT JUNCTION BOX DISCONNECT (ZONE 121)		01 R
PB018	S2800-274		CONNECTOR KIT JUNCTION BOX DISCONNECT (ZONE 121)		01 R
PC001	S2350-10		CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01 R
-	S2353-4		PIN		ARR
-	S2353-5		PIN		ARR
SI009	S3272-1-1		SWITCH MASTER (ZONE 224)		01 R
-	S1843-1		MOUNTING BEZEL		ARR

- ITEM NOT ILLUSTRATED

Figure 01

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



NOTES:

1. ALL WIRE 22AWG, EXCEPT AS NOTED
2. GROUND STRAP (REF FUSELAGE WIRE ROUTING)
3. VENDOR SUPPLIED ASSY
4. INSTALL POLARIZING PIN INTO PIN 8 OF J1019
5. PIN 5 IS STUD LOCATED ON ACU.
6. FUSE 15 REPLACED BY CIRCUIT BREAKER ON CONFIGURATION EFFECTIVE EC42884 & ON OR COMPLIANCE WITH SERVICE BULLETIN 5800-24-01 (REFERENCE).
7. 40AMP CIRCUIT BREAKER WAS 30AMP PRIOR TO EC51558. 40AMP CIRCUIT BREAKER SHALL BE USED FOR FIELD REPLACEMENT ON ALL AIRCRAFT EQUIPPED WITH MC01-3A ELECTRICAL POWER CONTROL UNITS (REFERENCE CURRENT APPROVED VENDOR DRAWING FOR MC01-3A).
8. SHUNT STYLE CURRENT SENSOR (REF U1) WAS HALL EFFECT STYLE CURRENT SENSOR PRIOR TO EC54175.

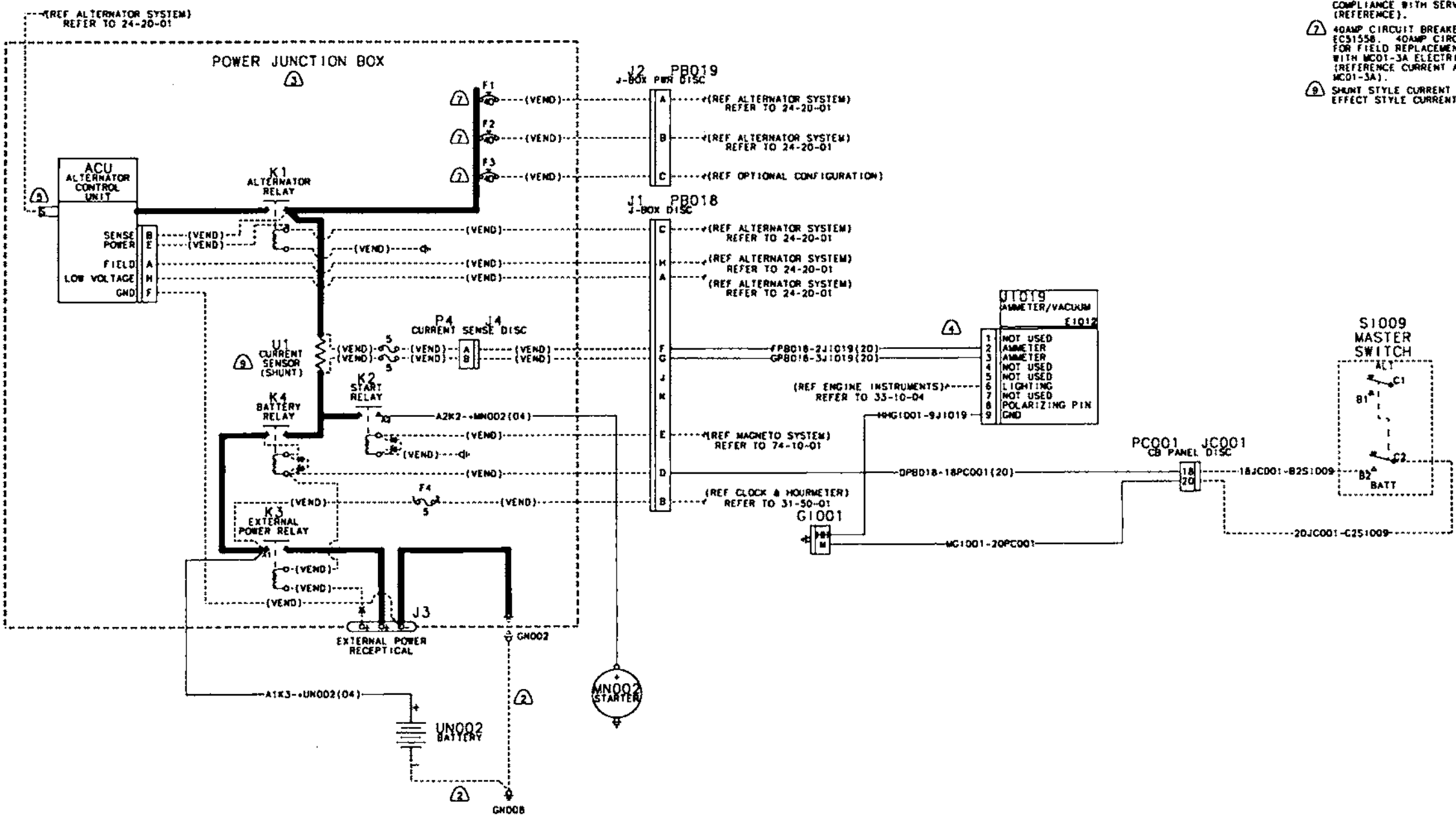
BATTERY SYSTEM
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
		1234567		
U1		. SENSOR CURRENT (ZONE 121)		RF R
		SUPPLIED WITH VENDOR POWER JUNCTION BOX		
UN002	S1367-6-13	. BATTERY (ZONE 120)		01 R

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



- NOTES:
1. ALL WIRE 22AWG, EXCEPT AS NOTED
 2. GROUND STRAP (REF FUSELAGE WIRE ROUTING)
 3. VENDOR SUPPLIED ASSY
 4. INSTALL POLARIZING PIN INTO PIN 8 OF J1019
 5. PIN 5 IS STUD LOCATED ON ACU.
 6. FUSE IS REPLACED BY CIRCUIT BREAKER ON CONFIGURATION EFFECTIVE ECA2884 & ON OR COMPLIANCE WITH SERVICE BULLETIN SB00-24-01 (REFERENCE).
 7. 40AMP CIRCUIT BREAKER WAS 30AMP PRIOR TO EC51558. 40AMP CIRCUIT BREAKER SHALL BE USED FOR FIELD REPLACEMENT ON ALL AIRCRAFT EQUIPPED WITH MCD1-3A ELECTRICAL POWER CONTROL UNITS (REFERENCE CURRENT APPROVED VENDOR DRAWING FOR MCD1-3A).
 8. SHUNT STYLE CURRENT SENSOR (REF U1) WAS HALL EFFECT STYLE CURRENT SENSOR PRIOR TO EC54175.

BATTERY SYSTEM
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

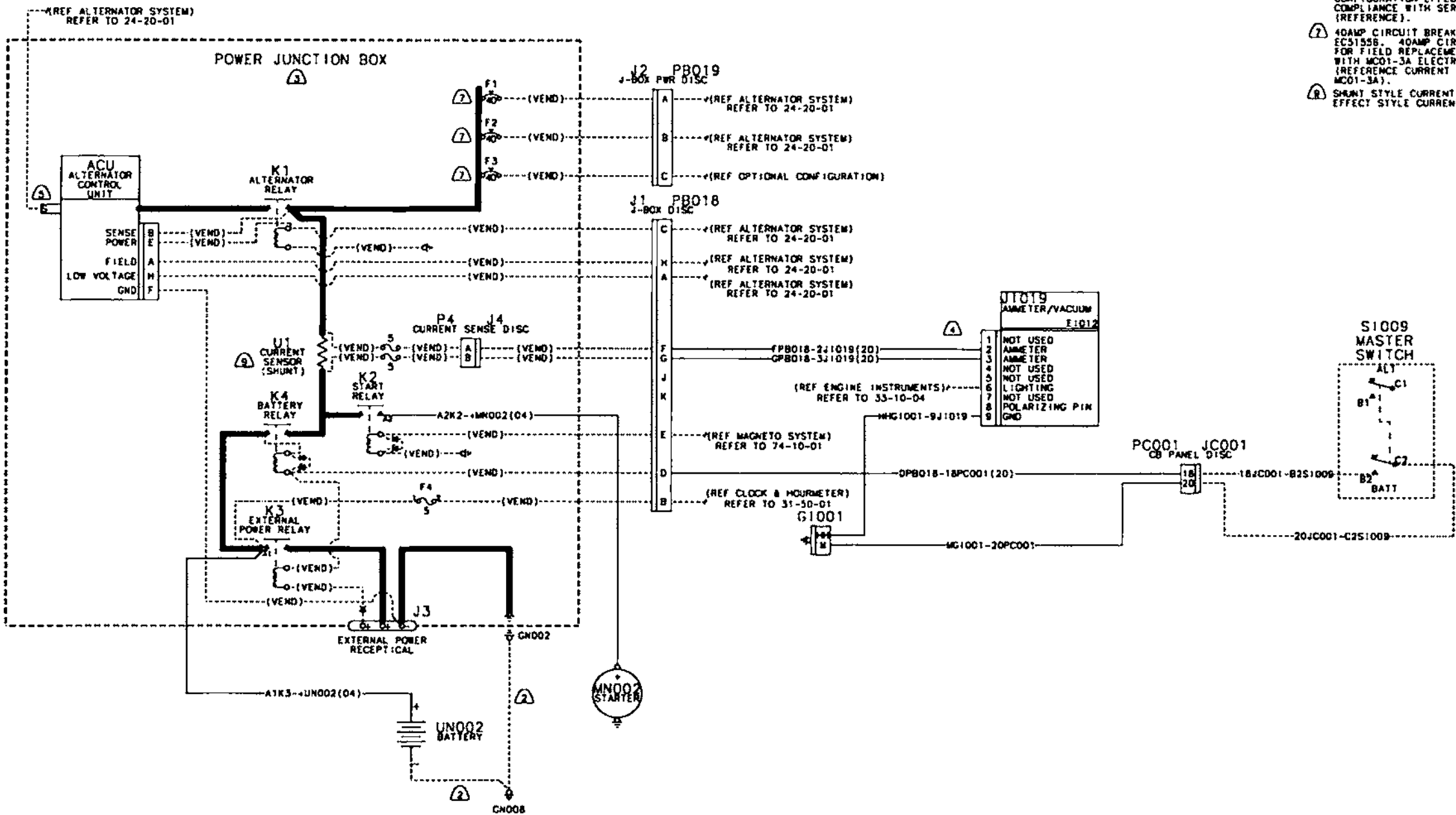
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
02			BATTERY SYSTEM		
			17280984 & ON		
			172S8704 & ON		
			WITHOUT NAV III OPTION		
ACU	A2101		CONTROL UNIT ALTERNATOR (ZONE 121)	V65702	01 R
EI012	S3280-1		INDICATOR AMMETER/VACUUM (ZONE 220)		01 R
F1	ATC-30		FUSE POWER JUNCTION BOX (ZONE 121)	V65702	01 R
			NOT INCLUDING AIRPLANES INCORPORATING SB00-24-01	80001 80983	
F1	F53-0003		CIRCUIT BREAKER POWER JUNCTION BOX (ZONE 121)	V65702	01 R
			ALSO INCLUDING AIRPLANES INCORPORATING SB00-24-01	8001 8703	
F2	F53-0003		CIRCUIT BREAKER POWER JUNCTION BOX (ZONE 224)	V65702	01 R
			ALSO INCLUDING AIRPLANES INCORPORATING SB00-24-01	80984 & ON	
F3	F53-0003		CIRCUIT BREAKER POWER JUNCTION BOX (ZONE 224)	V65702	01 R
			ALSO INCLUDING AIRPLANES INCORPORATING SB00-24-01	80984 & ON	
F4	AGC5		FUSE CLOCK (ZONE 121)	V65702	01 R
GI001	S2527-1		CONNECTOR GROUND (ZONE 211)	80001 80883	01 R
				8001 8402	
-	203618-1		JACK SCREW		AR R
-	AN340-3		NUT		AR R
-	S2527-3		CLAMP		01 R
-	S2099-4		SOCKET	80001 81142	AR R
GI001	200838-2		CONNECTOR GROUND (ZONE 211)	V00779	01 R
				80884 & ON	
-	201846-1		CLAMP KIT		01 R
-	203618-1		JACK SCREW		AR R
-	AN340-3		NUT		AR R
-	S2099-4		SOCKET	80001 81142	AR R
-	S2099-3		CONTACT	81143 & ON	AR R
GN002			GROUND STUD (ZONE 120)	V65702	RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		
GN008	AN5-4A		GROUND STUD BOLT (ZONE 121)		01 R
-	MS21043-5		NUT		01 R
-	NAS1149D0516H		WASHER		01 R
J1			CONNECTOR POWER JUNCTION BOX (ZONE 121)		RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		
J2			CONNECTOR POWER JUNCTION BOX (ZONE 120)		RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		
J3			CONNECTOR EXTERNAL POWER RECEPTACLE (ZONE 121)		RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		
J4			CONNECTOR CURRENT SENSE DISCONNECT (ZONE 121)		RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		
JC001	S2349-5		CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01 R
-	S2099-4		SOCKET		AR R
JI019	S2349-3		CONNECTOR AMMETER/VACUUM (ZONE 220)		01 R
-	S2099-4		SOCKET		AR R
-	S2414-1		KEYING PLUG		AR R
K1			RELAY ALTERNATOR (ZONE 121)		RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		
K2			RELAY START (ZONE 120)	V00779	RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		
K3			RELAY EXTERNAL POWER (ZONE 121)	V00779	RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		
K4			RELAY BATTERY (ZONE 121)		RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		
MN002	31B22207		STARTER (ZONE 120)	V65702	01 R
-	S1367-6-13		NIPPLE		01 R
P4			CONNECTOR (ZONE 121)		RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		
PB018	S2800-274		CONNECTOR KIT JUNCTION BOX DISCONNECT (ZONE 121)		01 R
PB019	KTKSAD10280X3		CONNECTOR KIT JUNCTION BOX DISCONNECT (ZONE 121)	V1F242	01 R

- ITEM NOT ILLUSTRATED

Figure 02

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



- NOTES:
- 1. ALL WIRE 22AWG, EXCEPT AS NOTED
 - 2. GROUND STRAP (REF FUSELAGE WIRE ROUTING)
 - 3. VENDOR SUPPLIED ASSY
 - 4. INSTALL POLARIZING PIN INTO PIN 8 OF J1019
 - 5. PIN 5 IS STUD LOCATED ON ACU.
 - 6. FUSE IS REPLACED BY CIRCUIT BREAKER ON CONFIGURATION EFFECTIVE EC42884 & ON OR COMPLIANCE WITH SERVICE BULLETIN SB00-24-01 (REFERENCE).
 - 7. 40AMP CIRCUIT BREAKER WAS 30AMP PRIOR TO EC51558. 40AMP CIRCUIT BREAKER SHALL BE USED FOR FIELD REPLACEMENT ON ALL AIRCRAFT EQUIPPED WITH MC01-3A ELECTRICAL POWER CONTROL UNITS (REFERENCE CURRENT APPROVED VENDOR DRAWING FOR MC01-3A).
 - 8. SHUNT STYLE CURRENT SENSOR (REF U1) WAS HALL EFFECT STYLE CURRENT SENSOR PRIOR TO EC54175.

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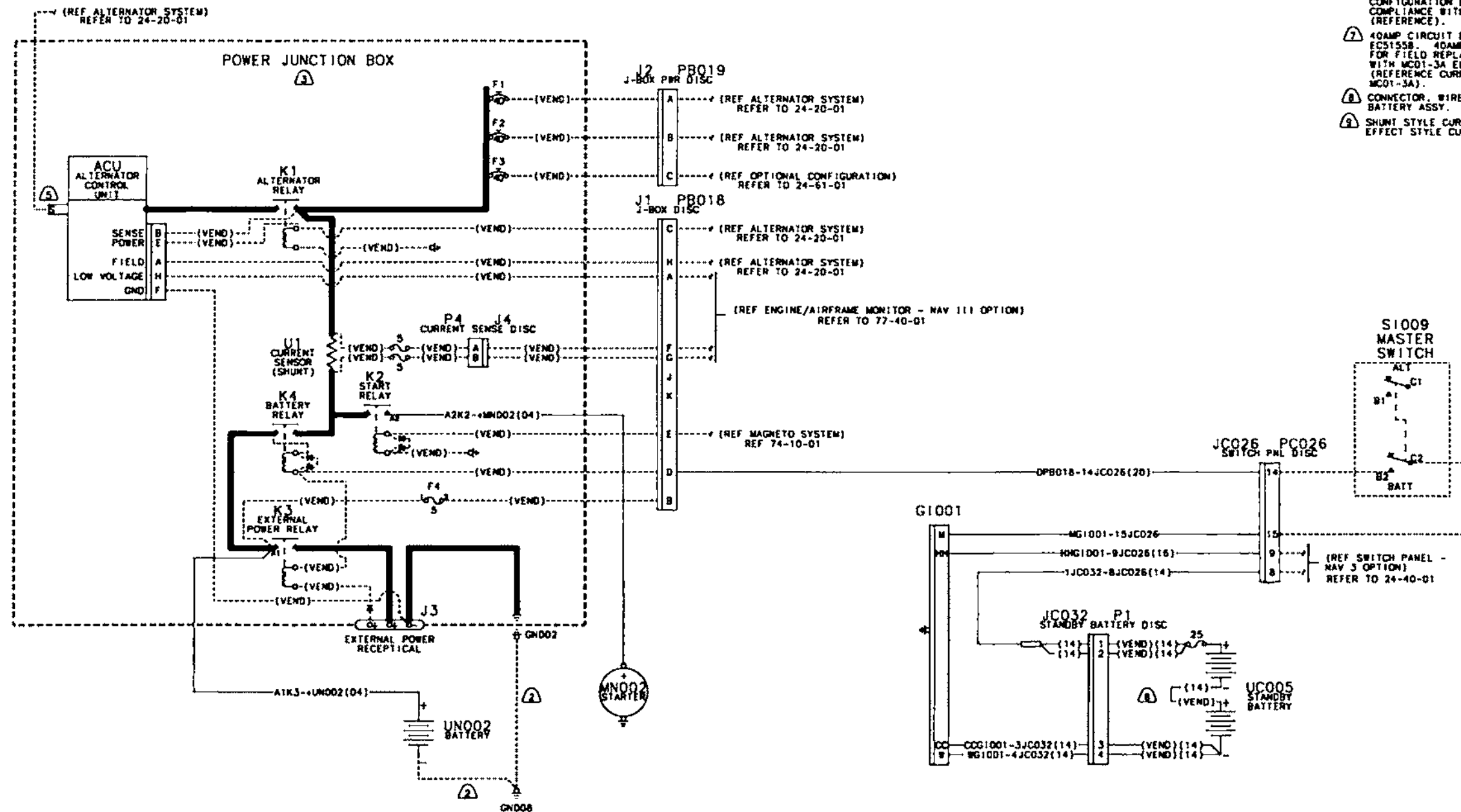
BATTERY SYSTEM
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES		1 2 3 4 5 6 7		FROM TO	PER ASSY
	PC001	S2350-10	. CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01 R
		S2353-4	. . PIN		AR R
		S2353-5	. . PIN		AR R
	SI009	S3272-1-1	. SWITCH MASTER (ZONE 224).		01 R
		S1843-1	. . MOUNTING BEZEL		AR R
	U1		. SENSOR CURRENT (ZONE 121)		RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		
	UN002	S1367-6-13	. BATTERY (ZONE 120)		01 R

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



NOTES:

1. ALL WIRE 22AWG, EXCEPT AS NOTED
2. GROUND STRAP (REF FUSELAGE WIRE ROUTING)
3. VENDOR SUPPLIED ASSY
4. INSTALL POLARIZING PIN INTO PIN 8 OF J1019
5. PIN 5 IS STUD LOCATED ON ACU.
6. FUSE IS REPLACED BY CIRCUIT BREAKER ON CONFIGURATION EFFECTIVE EC42884 & ON OR COMPLIANCE WITH SERVICE BULLETIN S800-24-01 (REFERENCE).
7. 40AMP CIRCUIT BREAKER WAS 30AMP PRIOR TO EC51558. 40AMP CIRCUIT BREAKER SHALL BE USED FOR FIELD REPLACEMENT ON ALL AIRCRAFT EQUIPPED WITH MCD1-3A ELECTRICAL POWER CONTROL UNITS (REFERENCE CURRENT APPROVED VENDOR DRAWING FOR MCD1-3A).
8. CONNECTOR, WIRE AND FUSE ARE PART OF STANDBY BATTERY ASSY.
9. SHUNT STYLE CURRENT SENSOR (REF U1) WAS HALL EFFECT STYLE CURRENT SENSOR PRIOR TO EC54175.

BATTERY SYSTEM
Figure 03 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

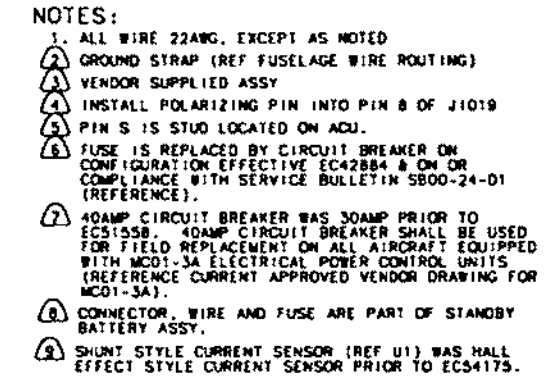
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
		1234567			
03			BATTERY SYSTEM		
			17281241 & ON		
			172S9810 & ON		
			WITH NAV III OPTION		
ACU	A2101		CONTROL UNIT ALTERNATOR (ZONE 121)	V65702	01 R
F1	ATC-30		FUSE POWER JUNCTION BOX (ZONE 121)	V65702 80001 80983	01 R
			NOT INCLUDING AIRPLANES INCORPORATING SB00-24-01	8001 8703	
F1	F53-0003		CIRCUIT BREAKER POWER JUNCTION BOX (ZONE 121)	V65702 80984 & ON	01 R
			ALSO INCLUDING AIRPLANES INCORPORATING SB00-24-01	8704 & ON	
F2	F53-0003		CIRCUIT BREAKER POWER JUNCTION BOX (ZONE 224)	V65702 80984 & ON	01 R
			ALSO INCLUDING AIRPLANES INCORPORATING SB00-24-01	8704 & ON	
F3	F53-0003		CIRCUIT BREAKER POWER JUNCTION BOX (ZONE 224)	V65702 80984 & ON	01 R
			ALSO INCLUDING AIRPLANES INCORPORATING SB00-24-01	8704 & ON	
F4	AGC5		FUSE CLOCK (ZONE 121)	V65702	01 R
GI001	200838-2		CONNECTOR GROUND (ZONE 211)	V00779 80884 & ON	01 R
				8403 & ON	
-	201846-1		CLAMP KIT		01 R
-	203618-1		JACK SCREW		AR R
-	AN340-3		NUT		AR R
-	S2099-4		SOCKET	80001 81142	AR R
-	S2099-3		CONTACT	81143 & ON	AR R
GN002			GROUND STUD (ZONE 120)	V65702	RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		
GN008	AN5-4A		GROUND STUD BOLT (ZONE 121)		01 R
-	MS21043-5		NUT		01 R
-	NAS1149D0516H		WASHER		01 R
J1			CONNECTOR POWER JUNCTION BOX (ZONE 121)		RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		
J2			CONNECTOR POWER JUNCTION BOX (ZONE 120)		RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		
J3			CONNECTOR EXTERNAL POWER RECEPTACLE (ZONE 121)		RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		
J4			CONNECTOR CURRENT SENSE DISCONNECT (ZONE 121)		RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		
JC026	S2350-3		CONNECTOR SWITCH PANEL DISCONNECT (ZONE 224)	81241 & ON	01 R
				9810 & ON	
-	S2353-4		PIN		AR R
-	S2353-5		PIN		AR R
JC032	S2351-5		RECEPTACLE		01 R
-	S2351-2		BACKSHELL		01 R
-	S2353-6		PIN		AR R
K1			RELAY ALTERNATOR (ZONE 121)		RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		
K2			RELAY START (ZONE 120)	V00779	RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		
K3			RELAY EXTERNAL POWER (ZONE 121)	V00779	RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		
K4			RELAY BATTERY (ZONE 121)		RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		
MN002	31B22207		STARTER (ZONE 120)	V65702	01 R
-	S1367-6-13		NIPPLE		01 R
P4			CONNECTOR (ZONE 121)		RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		
PB018	S2800-274		CONNECTOR KIT JUNCTION BOX DISCONNECT (ZONE 121)		01 R
PB019	KTKSAD10280X3		CONNECTOR KIT JUNCTION BOX DISCONNECT (ZONE 121)	V1F242	01 R
PC026	S2349-1		CONNECTOR SWITCH PANEL DISCONNECT (ZONE 224)	81241 & ON	01 R
				9810 & ON	
-	S2099-13		SOCKET		AR R
SI009	S3272-1-1		SWITCH MASTER (ZONE 224)		01 R
-	S1843-1		MOUNTING BEZEL		AR R
U1			SENSOR CURRENT (ZONE 121)		RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		

- ITEM NOT ILLUSTRATED

Figure 03

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



BATTERY SYSTEM
Figure 03 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
	DES			FROM TO	PER
			1 2 3 4 5 6 7		ASSY
UC005		AVT-200413	. BATTERY STANDBY.....	V0MBZ4	01 R
UN002		S1367-6-13	. BATTERY (ZONE 120)		01 R

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

NOTES:

- NOTES:
1. ALL WIRE 22AWG, UNLESS OTHERWISE NOTED.
 2. CAP AND STOP WIRE WHEN OPTION IS NOT INSTALLED.
 3. INSTALL PROTECTIVE TUBING OVER DIODE AS SHOWN:

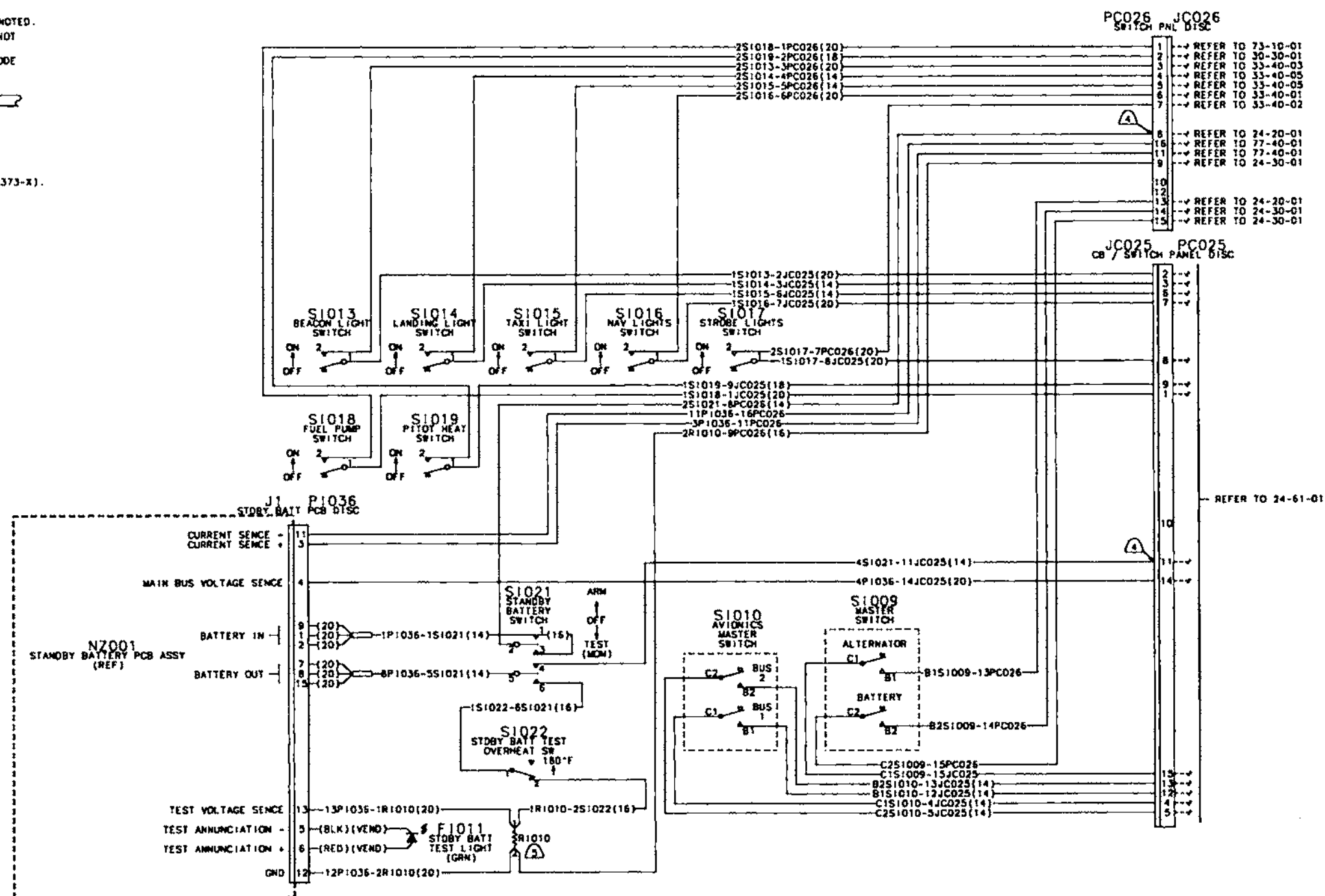


- 4 USE HIGH CURRENT CONTACTS (REF 53373-X).

- ROUTE ALL WIRES
CLEAR OF RIO10
RESISTOR BY AT
LEAST 0.5 INCH.
RESISTOR MAY GET
HOT.

- 5 FIS CIRCUIT BRKR.
WAS OPTIONAL PRIOR
TO EC59616. WIRE
2H1045-12PC023 WAS
"CAP AND STOP"
WHEN OPTION NOT
INSTALLED.

- 7 DME/ADF CIRCUIT
BREAKER WAS ADF
PRIOR TO EC55910.



077051913

SWITCH PANEL
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
01			SWITCH PANEL		
			17281241 THRU 17281272		
			172S9810 THRU 172S10102		
			WITH NAV III OPTION		
	FI011	S2800-679	LED STANDBY BATTERY TEST LIGHT (GREEN) (ZONE 220)		01 R
	J1		CONNECTOR PART OF NZ001 (ZONE 220).		RF R
	JC025	S2350-3	CONNECTOR		01 R
		S2353-4	. . . PIN		AR R
		S2353-5	. . . PIN		AR R
		S2353-6	. . . PIN		AR R
	JC026	S2350-3	CONNECTOR SWITCH PANEL DISCONNECT (ZONE 224)	81241 & ON 9810 & ON	01 R
		S2353-4	. . . PIN		AR R
		S2353-5	. . . PIN		AR R
	NZ001	6100192-000	BATTERY STANDBY. V33497		01 R
	PC025	S2349-1	CONNECTOR C/B SWITCH PANEL DISC (ZONE 224).	81241 & ON 9810 & ON	01 R
		S2099-13	. . . CONTACT		AR R
		S2099-3	. . . CONTACT		AR R
		S2099-4	. . . CONTACT		AR R
		S3373-2	. . . SOCKET		AR R
	PC026	S2349-1	CONNECTOR SWITCH PANEL (ZONE 224).	81241 & ON 9810 & ON	01 R
		S2099-13	. . . SOCKET		AR R
	PI036	RD15F00JVL0	CONNECTOR STANDBY BATTERY PCB DISCONNECT (ZONE 220) V28198		01 R
		FC6020D	. . . CONTACT V28198		AR R
	RI010		RESISTOR (ZONE 220).		RF R
	SI009	S3272-1-1	SWITCH MASTER (ZONE 224).		01 R
		S1843-1	. . . MOUNTING BEZEL		AR R
	SI010	S3443-1-1	SWITCH AVIONICS MASTER (ZONE 224).	80984 & ON 8704 & ON	01 R
	SI013	MS35058-22	SWITCH BEACON LIGHT (ZONE 220).		01 R
	SI014	MS35058-22	SWITCH LANDING LIGHT (ZONE 220)		01 R
	SI015	MS35058-22	SWITCH TAXI LIGHT (ZONE 220).		01 R
	SI016	MS35058-22	SWITCH NAVIGATION LIGHTS (ZONE 220).		01 R
	SI017	MS35058-22	SWITCH STROBE LIGHTS (ZONE 220).		01 R
	SI018	MS35058-22	SWITCH FUEL PUMP (ZONE 220)		01 R
	SI019	MS35058-22	SWITCH PITOT HEAT (ZONE 220)		01 R
	SI021	MS35059-31	SWITCH STANDBY BATTERY (ZONE 220)		01 R
	SI022	4344-184-226	THEMOSTAT STANDBY BATTERY TEST (ZONE 220)		01 R

- ITEM NOT ILLUSTRATED

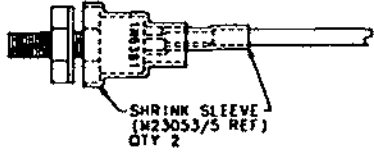
Figure 01

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

NOTES:

1. ALL WIRE 22AWG, UNLESS OTHERWISE NOTED.
2. CAP AND STOP WIRE WHEN OPTION IS NOT INSTALLED.
3. INSTALL PROTECTIVE TUBING OVER DIODE AS SHOWN:

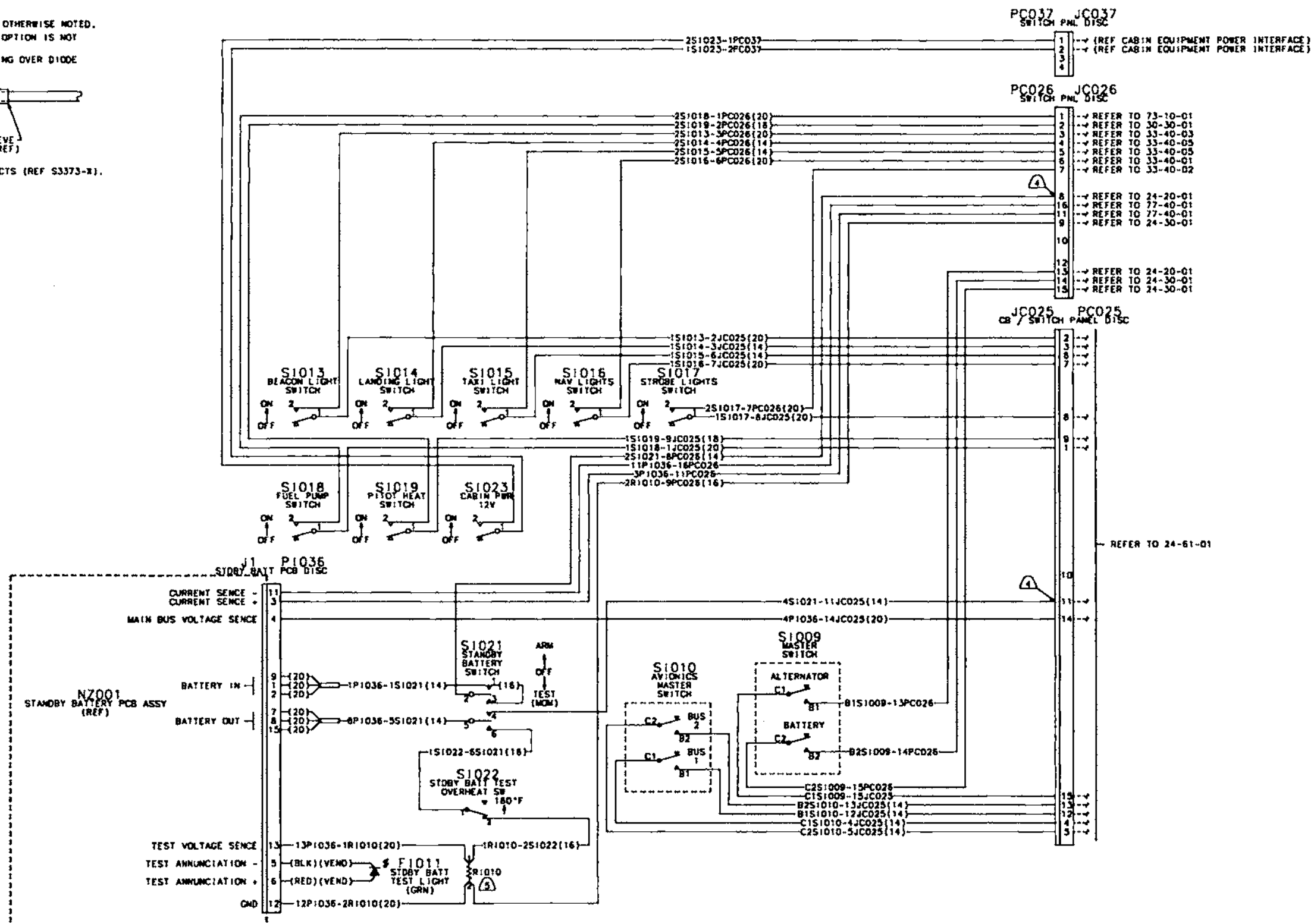


- ④ USE HIGH CURRENT CONTACTS (REF S3373-X).

- 5 ROUTE ALL WIRES
CLEAR OF R1010
RESISTOR BY AT
LEAST 0.5 INCH.
RESISTOR MAY GET
HOT.

- 5 F15 CIRCUIT BRKR.
WAS OPTIONAL PRIOR
TO EC55818. WIRE
2H1045-12PC023 WAS
"CAP AND STOW"
WHEN OPTION NOT
INSTALLED.

- ONE/ADF CIRCUIT
BREAKER WAS ADF
PRIOR TO EC55910.



077051915

SWITCH PANEL
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

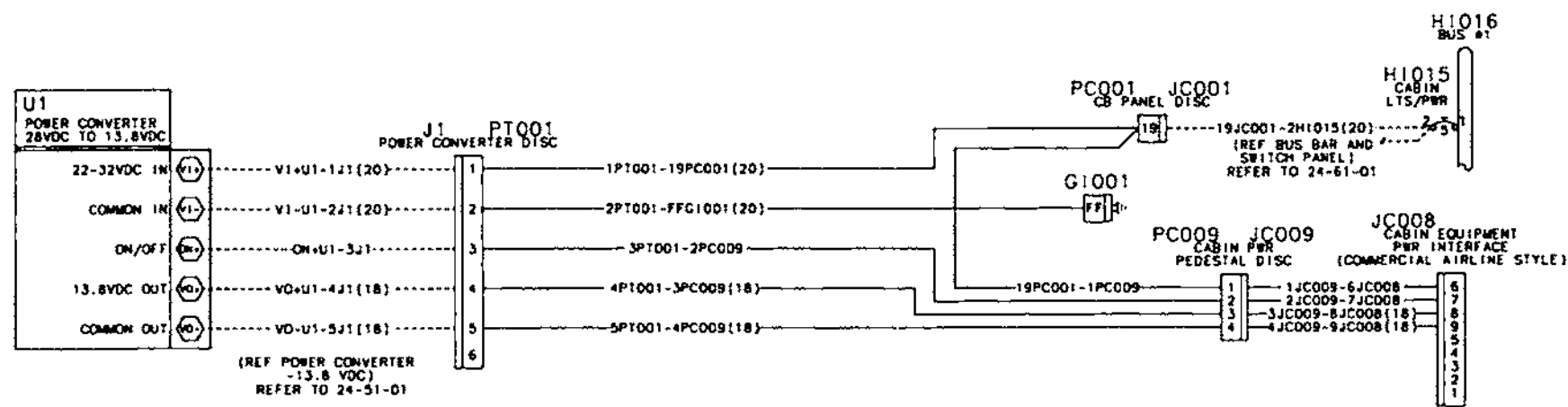
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
02			SWITCH PANEL		
			17281273 & ON		
			172S10103 & ON		
			WITH NAV III OPTION		
FI011	S2800-679		LED STANDBY BATTERY TEST LIGHT (GREEN) (ZONE 220)		01 R
J1			CONNECTOR PART OF NZ001 (ZONE 220)		RF R
JC025	S2350-3		CONNECTOR		01 R
	S2353-4		PIN		AR R
	S2353-5		PIN		AR R
	S2353-6		PIN		AR R
JC026	S2350-3		CONNECTOR SWITCH PANEL DISCONNECT (ZONE 224)	81241 & ON 9810 & ON	01 R
	S2353-4		PIN		AR R
	S2353-5		PIN		AR R
JC037	S2350-5		CONNECTOR SWITCH PANEL DISCONNECT (ZONE 224)	81273 & ON 10103 & ON	01 R
	S2353-5		PIN		AR R
NZ001	6100192-000		BATTERY STANDBY V33497		01 R
PC025	S2349-1		CONNECTOR C/B SWITCH PANEL DISC (ZONE 224)	81241 & ON 9810 & ON	01 R
	S2099-13		CONTACT		AR R
	S2099-3		CONTACT		AR R
	S2099-4		CONTACT		AR R
	S3373-2		SOCKET		AR R
PC026	S2349-1		CONNECTOR SWITCH PANEL (ZONE 224)	81241 & ON 9810 & ON	01 R
	S2099-13		SOCKET		AR R
PC037	S2349-2		CONNECTOR SWITCH PANEL DISCONNECT		01 R
	S2099-4		CONTACT		AR R
PI036	RD15F00JVL0		CONNECTOR STANDBY BATTERY PCB DISCONNECT (ZONE 220) V28198		01 R
	FC6020D		CONTACT V28198		AR R
RI010			RESISTOR (ZONE 220)		RF R
SI009	S3272-1-1		SWITCH MASTER (ZONE 224)		01 R
	S1843-1		MOUNTING BEZEL		AR R
SI010	S3443-1-1		SWITCH AVIONICS MASTER (ZONE 224)	80984 & ON 8704 & ON	01 R
SI013	MS35058-22		SWITCH BEACON LIGHT (ZONE 220)		01 R
SI014	MS35058-22		SWITCH LANDING LIGHT (ZONE 220)		01 R
SI015	MS35058-22		SWITCH TAXI LIGHT (ZONE 220)		01 R
SI016	MS35058-22		SWITCH NAVIGATION LIGHTS (ZONE 220)		01 R
SI017	MS35058-22		SWITCH STROBE LIGHTS (ZONE 220)		01 R
SI018	MS35058-22		SWITCH FUEL PUMP (ZONE 220)		01 R
SI019	MS35058-22		SWITCH PITOT HEAT (ZONE 220)		01 R
SI021	MS35059-31		SWITCH STANDBY BATTERY (ZONE 220)		01 R
SI022	4344-184-226		THEMOSTAT STANDBY BATTERY TEST (ZONE 220)		01 R
SI023	MS35058-22		SWITCH CABIN POWER (ZONE 220)		01 R

- ITEM NOT ILLUSTRATED

Figure 02

Page 1

NOTES:
1. ALL WIRE 22AWG, EXCEPT AS NOTED.



CABIN EQUIPMENT POWER INTERFACE
Figure 01 (Sheet 1)

0570516E1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

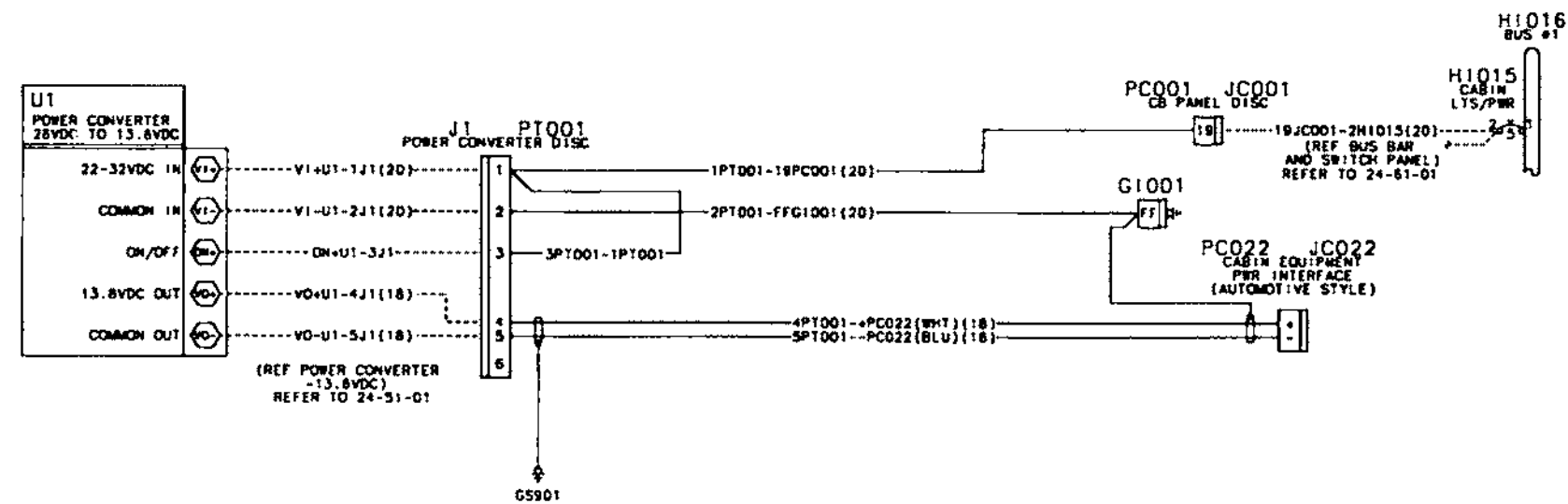
FIG REF DES	PART NUMBER	1 2 3 4 5 6 7	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
01			CABIN EQUIPMENT POWER INTERFACE 17280984 THRU 17281142 172S8704 THRU 172S9288		
GI001	200838-2		CONNECTOR GROUND (ZONE 211)	V00779 80884 & ON 8403 & ON	01 R
-	201846-1		CLAMP KIT		01 R
-	203618-1		JACK SCREW		ARR
-	AN340-3		NUT		ARR
-	S2099-4		SOCKET	80001 81142	ARR
-	S2099-3		CONTACT	81143 & ON	ARR
HI015	S1360-5L		CIRCUIT BREAKER CABIN LIGHTS POWER (ZONE 224)	80984 & ON 8704 & ON	01 R
J1	S2350-10		CONNECTOR POWER CONVERTER (ZONE 121)		01 R
JC001	S2349-5		CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01 R
-	S2099-4		SOCKET		ARR
JC008	D02EEBFRTAH-0022		CONNECTOR CABIN EQUIPMENT POWER INTERFACE (ZONE 224)	V50541	01 R
JC009	S1638-4		CONNECTOR CABIN POWER (ZONE 211)	80984 81142 8704 9288	01 R
-	S1635-1		PINS		ARR
PC001	S2350-10		CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01 R
-	S2353-4		PIN		ARR
-	S2353-5		PIN		ARR
PC009	S1638-6		CONNECTOR CABIN POWER INTERFACE PEDESTAL DISCONNECT (ZONE 211)		01 R
-	S1636-1		SOCKET		04 R
PT001	S1641-6		CONNECTOR POWER CONVERTER DISCONNECT (ZONE 310)		01 R
-	S1636-1		CONTACT		ARR
-	S1636-2		CONTACT		01 R
U1			SENSOR CURRENT (ZONE 121) SUPPLIED WITH VENDOR POWER JUNCTION BOX		RR R

- ITEM NOT ILLUSTRATED

Figure 01

Page 1

NOTES:
1. ALL WIRE 22AWG, EXCEPT AS NOTED.



0570516E2

CABIN EQUIPMENT POWER INTERFACE
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

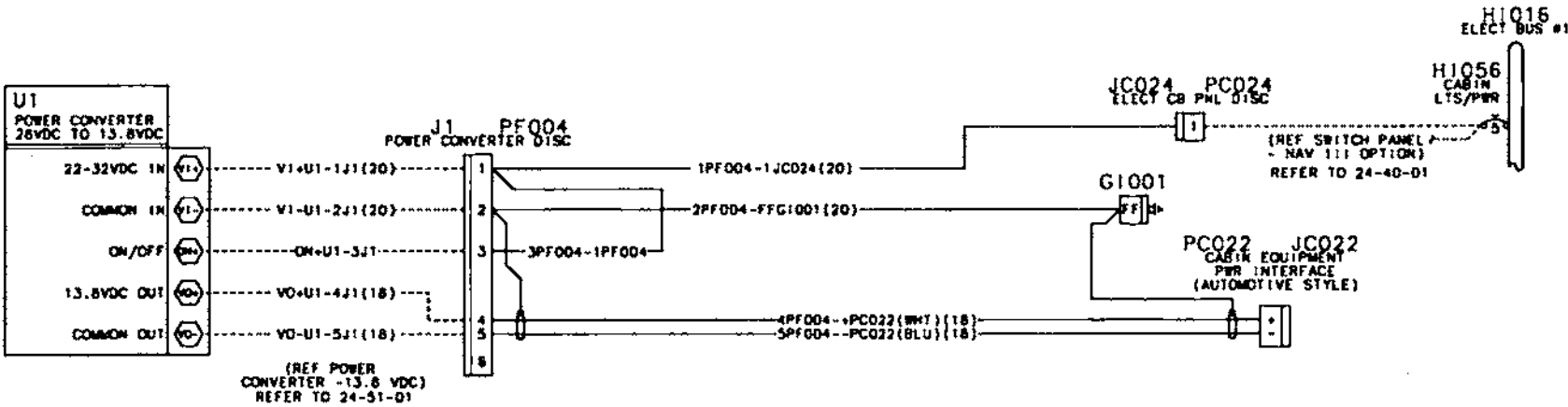
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
		1 2 3 4 5 6 7			
02			CABIN EQUIPMENT POWER INTERFACE		
			17281143 & ON		
			172S8704 & ON		
			WITHOUT NAV III OPTION		
	GI001	200838-2	CONNECTOR GROUND (ZONE 211)	V00779 80884 & ON	01 R
				8403 & ON	
-		201846-1	CLAMP KIT		01 R
-		203618-1	JACK SCREW		AR R
-		AN340-3	NUT		AR R
-		S2099-4	SOCKET	80001 81142	AR R
-		S2099-3	CONTACT	81143 & ON	AR R
GS901		3910276-2	GROUND STUD (ZONE 310)		01 R
HI015		S1360-5L	CIRCUIT BREAKER CABIN LIGHTS POWER (ZONE 224)	80984 & ON	01 R
				8704 & ON	
J1		S2350-10	CONNECTOR POWER CONVERTER (ZONE 121)		01 R
JC001		S2349-5	CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01 R
-		S2099-4	SOCKET		AR R
JC022			CONNECTOR CABIN EQUIPMENT POWER INTERFACE	81143 & ON	RF R
				9289 & ON	
PC001		S2350-10	CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01 R
-		S2353-4	PIN		AR R
-		S2353-5	PIN		AR R
PC022		1-160759-1	CONNECTOR	V00779	02 R
-		926522-1	HOUSING	V00779	01 R
PT001		S1641-6	CONNECTOR POWER CONVERTER DISCONNECT (ZONE 310)		01 R
-		S1636-1	CONTACT		AR R
-		S1636-2	CONTACT		01 R
U1			SENSOR CURRENT (ZONE 121)		RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		

- ITEM NOT ILLUSTRATED

Figure 02

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



0570516E3

CABIN EQUIPMENT POWER INTERFACE
Figure 03 (Sheet 1)

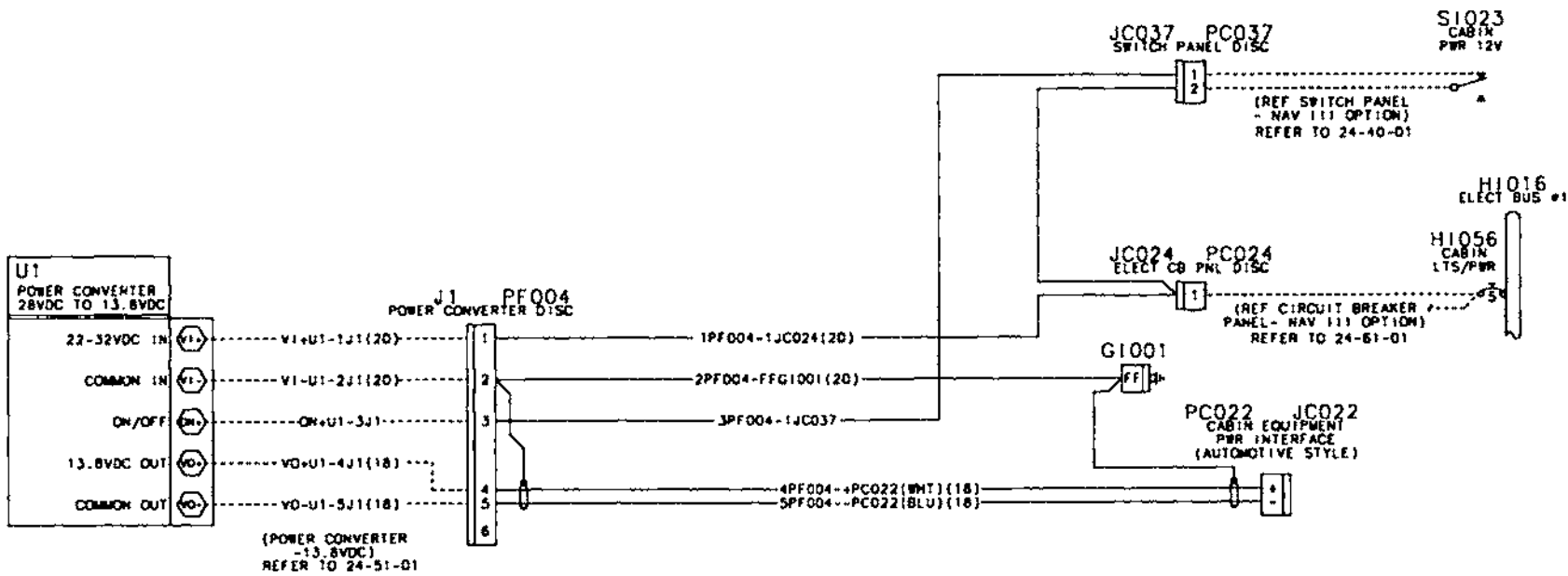
CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
03			CABIN EQUIPMENT POWER INTERFACE 17281241 THRU 81272 172S9810 & 10102 WITH NAV III OPTION		
	GI001	200838-2	. CONNECTOR GROUND (ZONE 211)	V00779 80884 & ON 8403 & ON	01 R
-		201846-1	. . CLAMP KIT		01 R
-		203618-1	. . JACK SCREW		AR R
-		AN340-3	. . NUT		AR R
-		S2099-4	. . SOCKET	80001 81142	AR R
-		S2099-3	. . CONTACT	81143 & ON	AR R
	HI056	S2899L5.0	. CIRCUIT BREAKER CABIN LIGHTS POWER (ZONE 224) WITH NAV III OPTION	81241 & ON 9810 & ON	01 R
	J1	S2350-10	. CONNECTOR POWER CONVERTER (ZONE 121)		01 R
	JC022		. CONNECTOR CABIN EQUIPMENT POWER INTERFACE	81143 & ON 9289 & ON	RF R
	JC024	S2350-3	. CONNECTOR (ZONE 224).	81241 & ON 9810 & ON	01 R
-		S2353-4	. . PIN		AR R
-		S2353-5	. . PIN		AR R
	PC022	1-160759-1	. CONNECTOR	V00779	02 R
-		926522-1	. . HOUSING	V00779	01 R
	PC024	S2349-3	. CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)	81241 & ON 9810 & ON	01 R
-		S2099-3	. . CONTACT		AR R
-		S2099-4	. . CONTACT		AR R
	PF004	S1641-6	. CONNECTOR		01 R
-		S1636-1	. . CONTACT		03 R
-		S1636-2	. . CONTACT		02 R
	U1		. SENSOR CURRENT (ZONE 121) SUPPLIED WITH VENDOR POWER JUNCTION BOX		RF R

- ITEM NOT ILLUSTRATED

Figure 03

Page 1



0570516E4

CABIN EQUIPMENT POWER INTERFACE
Figure 04 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES		1 2 3 4 5 6 7		FROM TO	PER ASSY
04			CABIN EQUIPMENT POWER INTERFACE		
			17281273 & ON		
			172S10103 & ON		
			WITH NAV III OPTION		
	GI001	200838-2	CONNECTOR GROUND (ZONE 211)	V00779 80884 & ON 8403 & ON	01 R
-		201846-1	CLAMP KIT		01 R
-		203618-1	JACK SCREW		AR R
-		AN340-3	NUT		AR R
-		S2099-4	SOCKET	80001 81142	AR R
-		S2099-3	CONTACT	81143 & ON	AR R
	HI056	S2899L5.0	CIRCUIT BREAKER CABIN LIGHTS POWER (ZONE 224)	81241 & ON	01 R
			WITH NAV III OPTION	9810 & ON	
	J1	S2350-10	CONNECTOR POWER CONVERTER (ZONE 121)		01 R
	JC022		CONNECTOR CABIN EQUIPMENT POWER INTERFACE	81143 & ON 9289 & ON	RF R
	JC024	S2350-3	CONNECTOR (ZONE 224).	81241 & ON 9810 & ON	01 R
-		S2353-4	PIN		AR R
-		S2353-5	PIN		AR R
	JC037	S2350-5	CONNECTOR SWITCH PANEL DISCONNECT (ZONE 224)	81273 & ON 10103 & ON	01 R
			WITH NAV III OPTION		
-		S2353-5	PIN		AR R
	PC022	1-160759-1	CONNECTOR	V00779	02 R
-		926522-1	HOUSING	V00779	01 R
	PC024	S2349-3	CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)	81241 & ON 9810 & ON	01 R
-		S2099-3	CONTACT		AR R
-		S2099-4	CONTACT		AR R
	PC037	S2349-2	CONNECTOR SWITCH PANEL DISCONNECT		01 R
-		S2099-4	CONTACT		AR R
	PF004	S1641-6	CONNECTOR		01 R
-		S1636-1	CONTACT		03 R
-		S1636-2	CONTACT		02 R
	SI023	MS35058-22	SWITCH CABIN POWER (ZONE 220)		01 R
	U1		SENSOR CURRENT (ZONE 121)		RF R
			SUPPLIED WITH VENDOR POWER JUNCTION BOX		

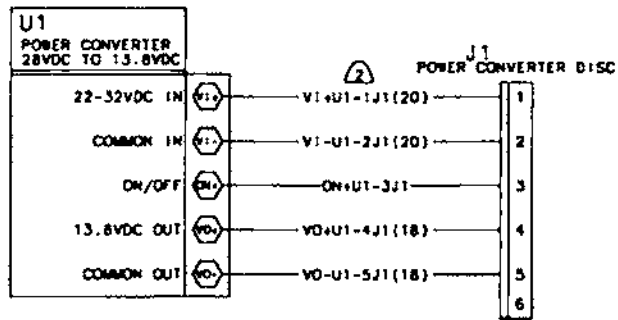
- ITEM NOT ILLUSTRATED

Figure 04

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

- NOTES:
- 1. ALL WIRE 22AWG, EXCEPT AS NOTED.
 - 2. WIRE BUNDLE LENGTH SHALL BE 6±1 INCH.



0570518_1

POWER CONVERTER
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

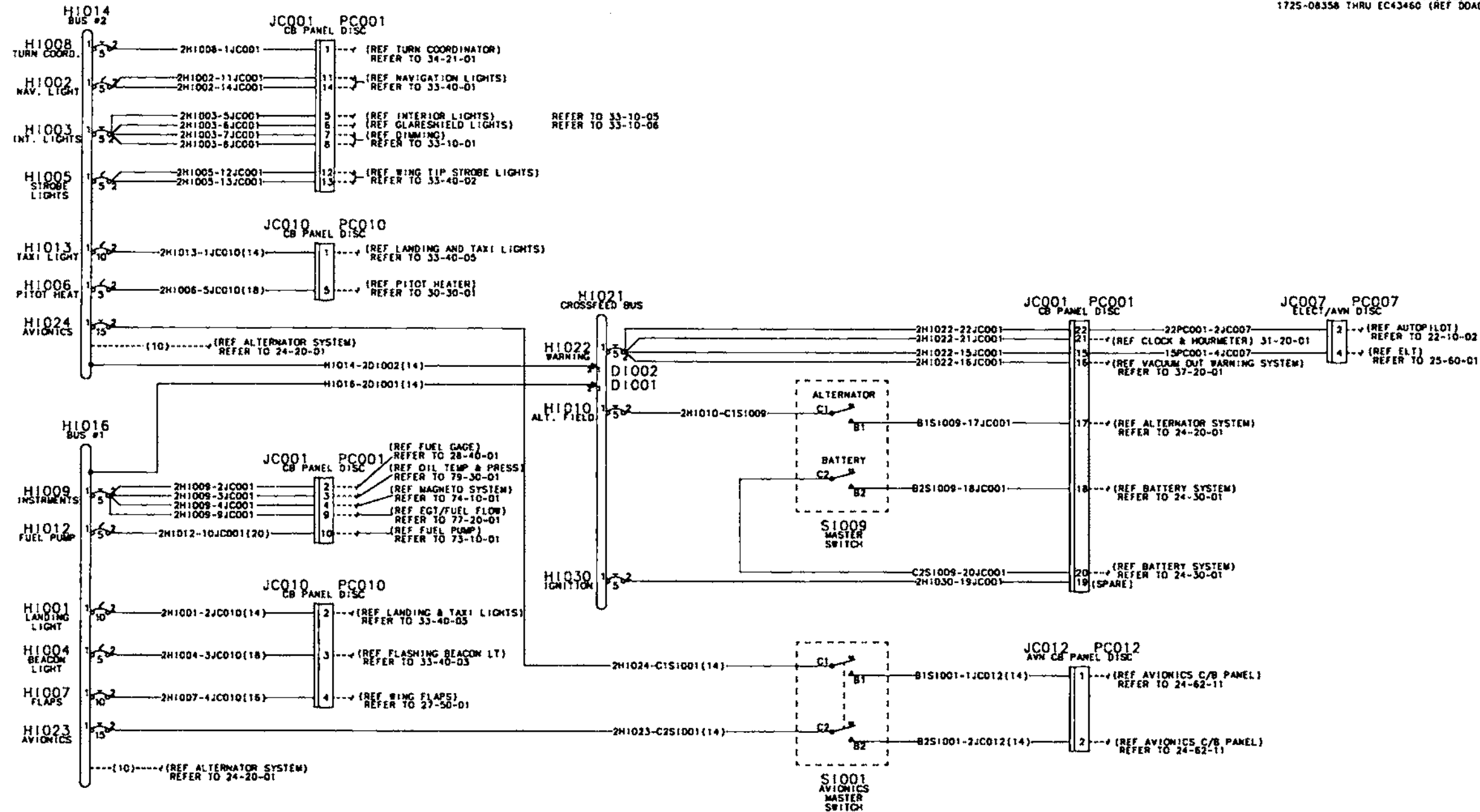
FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
		1 2 3 4 5 6 7		
01		POWER CONVERTER 17280984 & ON 172S8704 & ON		
J1	S2350-10	CONNECTOR POWER CONVERTER (ZONE 121)		01
U1		SENSOR CURRENT (ZONE 121)		RF
		SUPPLIED WITH VENDOR POWER JUNCTION BOX		

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

NOTES:

1. ALL WIRE 22AWG, UNLESS OTHERWISE NOTED.
2. CIRCUIT BREAKER H1003 LOCATED ON H1021 BUS INSTEAD OF H1014 BUS FOR AIRCRAFT 172-80834 THRU EC43460 AND 1725-08358 THRU EC43460 (REF DOA02486).



057051311

BUS BAR AND SWITCH PANEL
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
		1234567			
01			BUS BAR AND SWITCH PANEL		
			17280001 THRU 17280003		
	DI001	1N6391	. DIODE		01
	DI002	1N6391	. DIODE		01
	HI001	CM3589-10	. CIRCUIT BREAKER LANDING LIGHT (ZONE 224)		01
	HI002	CM3589-5	. CIRCUIT BREAKER NAVIGATION LIGHT (ZONE 224)		01
		S2122-1	. NUT		01
	HI003	S1360-5L	. CIRCUIT BREAKER INTERIOR LIGHTS (ZONE 224)		01
	HI004	CM3589-5	. CIRCUIT BREAKER BEACON LIGHT (ZONE 224)		01
	HI005	CM3589-5	. CIRCUIT BREAKER STROBE LIGHT (ZONE 224)		01
	HI006	CM3589-5	. CIRCUIT BREAKER PITOT HEAT (ZONE 224)		01 R
	HI007	S1360-10L	. CIRCUIT BREAKER FLAPS (ZONE 224)		01
	HI008	S1360-5L	. CIRCUIT BREAKER TURN COORDINATOR (ZONE 224)		01
	HI009	S1360-5L	. CIRCUIT BREAKER INSTRUMENTS (ZONE 224)		01
		MS35206-226	. SCREW		AR
		S2122-1	. NUT		AR
	HI010	S1360-5L	. CIRCUIT BREAKER ALTERNATOR FIELD (ZONE 224)		01
	HI012	CM3589-5	. CIRCUIT BREAKER FUEL PUMP (ZONE 224)		01
	HI013	CM3589-10	. CIRCUIT BREAKER TAXI LIGHT (ZONE 224)		01
	HI022	S1360-5L	. CIRCUIT BREAKER WARNING (ZONE 224)		01
	HI023	S1360-15L	. CIRCUIT BREAKER AVIONICS (ZONE 224)		01
	HI024	S1360-15L	. CIRCUIT BREAKER AVIONICS (ZONE 224)		01
	HI030	S1360-5L	. CIRCUIT BREAKER IGNITION (ZONE 224)	80001 80003	01
	JC001	S2349-5	. CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01
		S2099-4	. SOCKET		AR
	JC007	S1641-1	. CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 224)		01
		S1636-1	. PINS		AR
	JC010	S1641-6	. CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01
		S1636-2	. SOCKETS		AR
	JC012	S2035-2	. CONNECTOR AVIONICS CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01
		S1636-2	. SOCKETS		AR
	PC001	S2350-10	. CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01
		S2353-4	. PIN		AR
		S2353-5	. PIN		AR
	PC007	S1640-9	. CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220)		01
		S1635-1	. PIN		AR
	PC010	S1640-6	. CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01
		S1635-1	. PIN		AR
		S1635-2	. PIN		AR
	PC012	S2035-1	. CONNECTOR AVIONICS CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01 R
		S1635-2	. PIN		AR R
	SI001	S3271-1-1	. SWITCH AVIONICS MASTER (ZONE 224)	80001 80983 8001 8703	01
	SI009	S3272-1-1	. SWITCH MASTER (ZONE 224)		01
		S1843-1	. MOUNTING BEZEL		AR

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

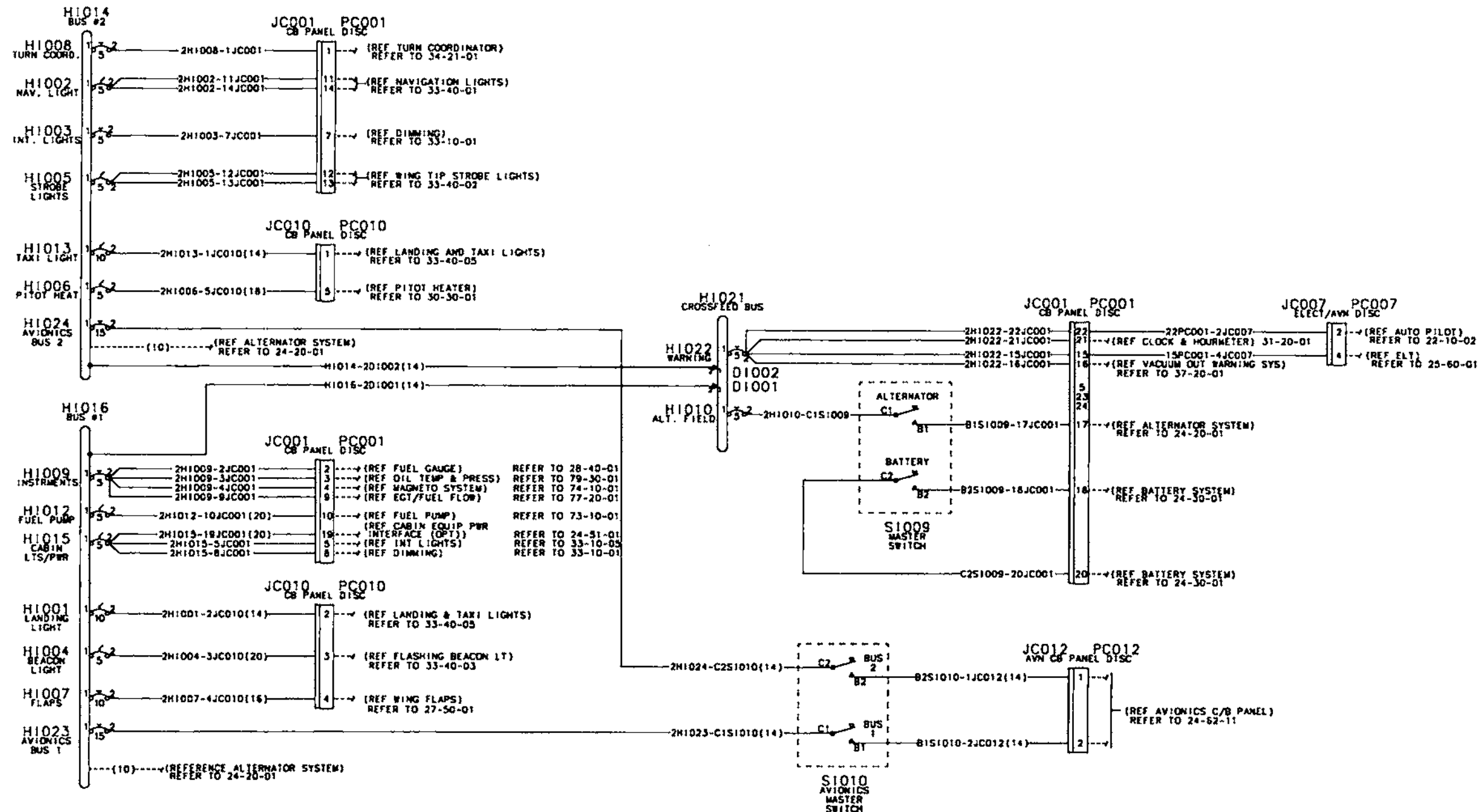
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
		1234567			
02			BUS BAR AND SWITCH PANEL		
			17280004 THRU 17280983		
			172S8001 THRU 172S8703		
	DI001	1N6391	. DIODE		01
	DI002	1N6391	. DIODE		01
	HI001	CM3589-10	. CIRCUIT BREAKER LANDING LIGHT (ZONE 224)		01
	HI002	CM3589-5	. CIRCUIT BREAKER NAVIGATION LIGHT (ZONE 224)		01
		S2122-1	. NUT		01
	HI003	S1360-5L	. CIRCUIT BREAKER INTERIOR LIGHTS (ZONE 224)		01
	HI004	CM3589-5	. CIRCUIT BREAKER BEACON LIGHT (ZONE 224)		01
	HI005	CM3589-5	. CIRCUIT BREAKER STROBE LIGHT (ZONE 224)		01
	HI006	CM3589-5	. CIRCUIT BREAKER PITOT HEAT (ZONE 224)		01
	HI007	S1360-10L	. CIRCUIT BREAKER FLAPS (ZONE 224)		01
	HI008	S1360-5L	. CIRCUIT BREAKER TURN COORDINATOR (ZONE 224)		01
	HI009	S1360-5L	. CIRCUIT BREAKER INSTRUMENTS (ZONE 224)		01
		MS35206-226	. SCREW		AR
		S2122-1	. NUT		AR
	HI010	S1360-5L	. CIRCUIT BREAKER ALTERNATOR FIELD (ZONE 224)		01
	HI012	CM3589-5	. CIRCUIT BREAKER FUEL PUMP (ZONE 224)		01
	HI013	CM3589-10	. CIRCUIT BREAKER TAXI LIGHT (ZONE 224)		01
	HI022	S1360-5L	. CIRCUIT BREAKER WARNING (ZONE 224)		01
	HI023	S1360-15L	. CIRCUIT BREAKER AVIONICS (ZONE 224)		01
	HI024	S1360-15L	. CIRCUIT BREAKER AVIONICS (ZONE 224)		01
	JC001	S2349-5	. CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01
		S2099-4	. SOCKET		AR
	JC007	S1641-1	. CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 224)		01
		S1636-1	. PINS		AR
	JC010	S1641-6	. CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01
		S1636-2	. SOCKETS		AR
	JC012	S2035-2	. CONNECTOR AVIONICS CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01
		S1636-2	. SOCKETS		AR
	PC001	S2350-10	. CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01
		S2353-4	. PIN		AR
		S2353-5	. PIN		AR
	PC007	S1640-9	. CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220)		01
		S1635-1	. PIN		AR
	PC010	S1640-6	. CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01
		S1635-1	. PIN		AR
		S1635-2	. PIN		AR
	PC012	S2035-1	. CONNECTOR AVIONICS CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01
		S1635-2	. PIN		AR
	SI001	S3271-1-1	. SWITCH AVIONICS MASTER (ZONE 224)	80001 80983	01
				8001 8703	
	SI009	S3272-1-1	. SWITCH MASTER (ZONE 224)		01
		S1843-1	. MOUNTING BEZEL		AR

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

NOTES:

1. ALL WIRE 22AWG, UNLESS OTHERWISE NOTED.
2. CIRCUIT BREAKER H1003 LOCATED ON H1021 BUS INSTEAD OF H1014 BUS FOR AIRCRAFT 172-80834 THRU EC43460 AND 172S-08358 THRU EC43460 (REF DDA02486).



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BUS BAR AND SWITCH PANEL
Figure 03 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
			1 2 3 4 5 6 7		
03			BUS BAR AND SWITCH PANEL		
			17280984 & ON		
			172S8704 & ON		
	DI001	1N6391	. DIODE		01
	DI002	1N6391	. DIODE		01
	HI001	CM3589-10	. CIRCUIT BREAKER LANDING LIGHT (ZONE 224)		01
	HI002	CM3589-5	. CIRCUIT BREAKER NAVIGATION LIGHT (ZONE 224)		01
		S2122-1	. NUT		01
	HI003	S1360-5L	. CIRCUIT BREAKER INTERIOR LIGHTS (ZONE 224)		01
	HI004	CM3589-5	. CIRCUIT BREAKER BEACON LIGHT (ZONE 224)		01
	HI005	CM3589-5	. CIRCUIT BREAKER STROBE LIGHT (ZONE 224)		01
	HI006	CM3589-5	. CIRCUIT BREAKER PITOT HEAT (ZONE 224)		01
	HI007	S1360-10L	. CIRCUIT BREAKER FLAPS (ZONE 224)		01
	HI008	S1360-5L	. CIRCUIT BREAKER TURN COORDINATOR (ZONE 224)		01
	HI009	S1360-5L	. CIRCUIT BREAKER INSTRUMENTS (ZONE 224)		01
		MS35206-226	. SCREW		AR
		S2122-1	. NUT		AR
	HI010	S1360-5L	. CIRCUIT BREAKER ALTERNATOR FIELD (ZONE 224)		01
	HI012	CM3589-5	. CIRCUIT BREAKER FUEL PUMP (ZONE 224)		01
	HI013	CM3589-10	. CIRCUIT BREAKER TAXI LIGHT (ZONE 224)		01
	HI015	S1360-5L	. CIRCUIT BREAKER CABIN LIGHTS POWER (ZONE 224)	80984 & ON 8704 & ON	01 R
	HI022	S1360-5L	. CIRCUIT BREAKER WARNING (ZONE 224)		01
	HI023	S1360-15L	. CIRCUIT BREAKER AVIONICS (ZONE 224)		01
	HI024	S1360-15L	. CIRCUIT BREAKER AVIONICS (ZONE 224)		01
	JC001	S2349-5	. CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01
		S2099-4	. SOCKET		AR
	JC007	S1641-1	. CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 224)		01
		S1636-1	. PINS		AR
	JC010	S1641-6	. CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01
		S1636-2	. SOCKETS		AR
	JC012	S2035-2	. CONNECTOR AVIONICS CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01
		S1636-2	. SOCKETS		AR
	PC001	S2350-10	. CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01
		S2353-4	. PIN		AR
		S2353-5	. PIN		AR
	PC007	S1640-9	. CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220)		01
		S1635-1	. PIN		AR
	PC010	S1640-6	. CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01
		S1635-1	. PIN		AR
		S1635-2	. PIN		AR
	PC012	S2035-1	. CONNECTOR AVIONICS CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01 R
		S1635-2	. PIN		AR R
	SI009	S3272-1-1	. SWITCH MASTER (ZONE 224)		01
		S1843-1	. MOUNTING BEZEL		AR
	SI010	S3443-1-1	. SWITCH AVIONICS MASTER (ZONE 224)	80984 & ON 8704 & ON	01

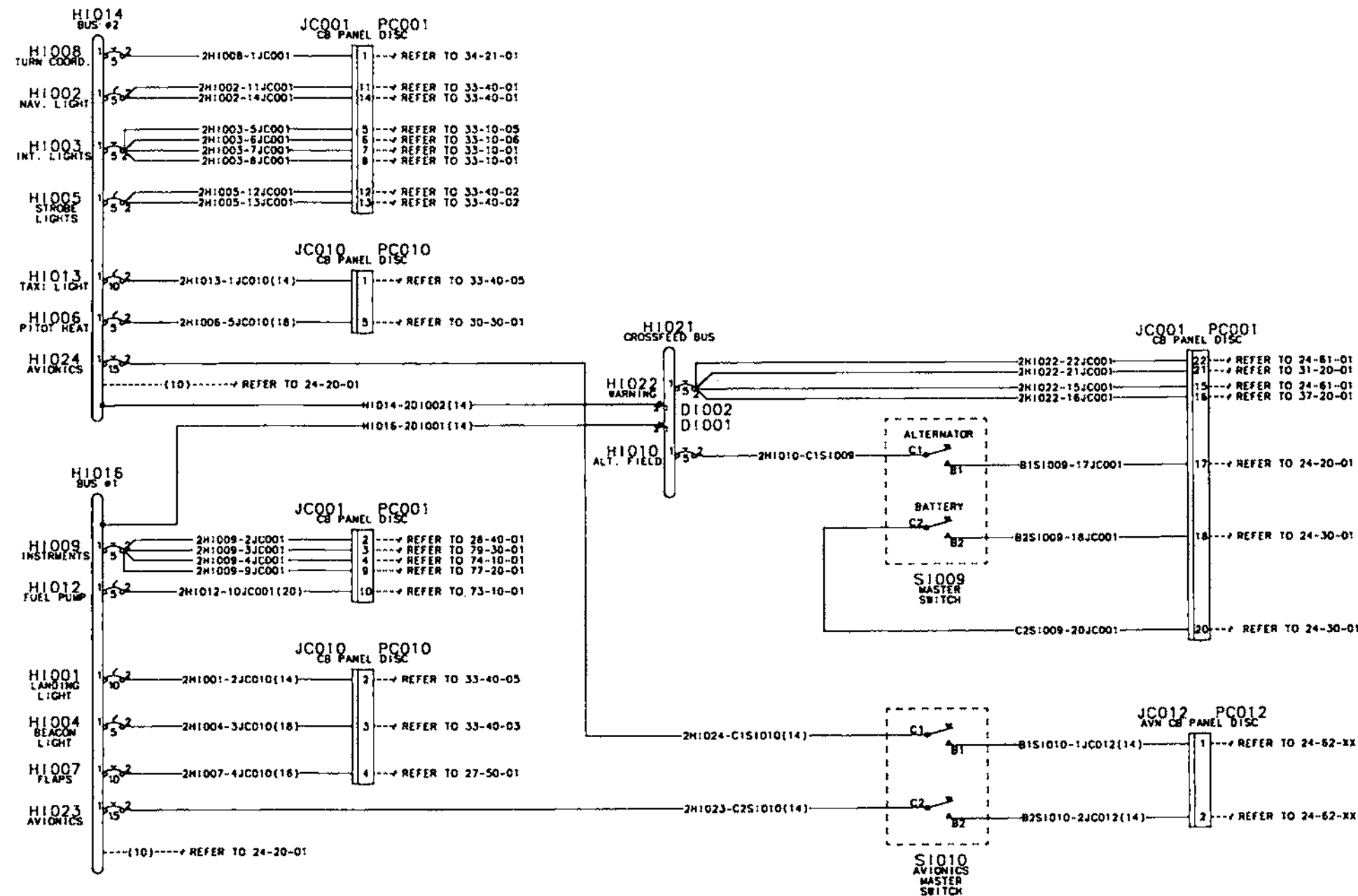
- ITEM NOT ILLUSTRATED

Figure 03

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

NOTES:
1. ALL WIRE 22AWG, UNLESS OTHERWISE NOTED.



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CIRCUIT BREAKER PANEL (OPT-SPLIT AVN SWITCH)
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

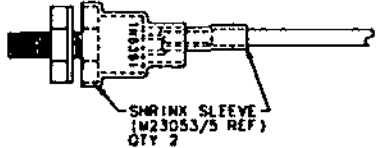
WIRING DIAGRAM MANUAL

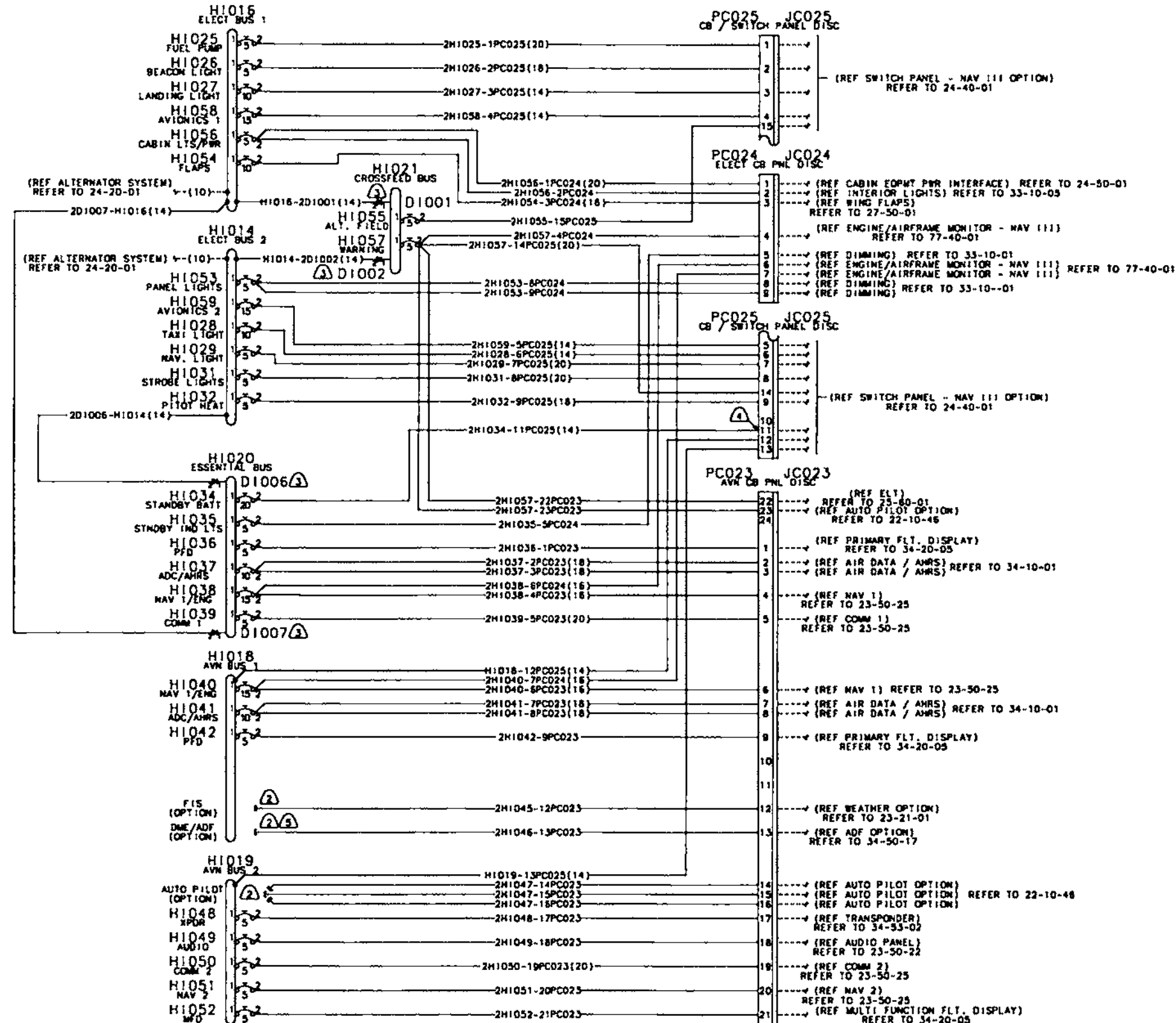
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
01			CIRCUIT BREAKER PANEL (OPT-SPLIT AVN SWITCH)		
			17280718 & ON		
			172S8118 & ON		
	DI001	1N6391	. DIODE		01
	DI002	1N6391	. DIODE		01
	HI001	CM3589-10	. CIRCUIT BREAKER LANDING LIGHT (ZONE 224)		01
	HI002	CM3589-5	. CIRCUIT BREAKER NAVIGATION LIGHT (ZONE 224)		01
		S2122-1	. . NUT		01
	HI003	S1360-5L	. CIRCUIT BREAKER INTERIOR LIGHTS (ZONE 224)		01
	HI004	CM3589-5	. CIRCUIT BREAKER BEACON LIGHT (ZONE 224)		01
	HI005	CM3589-5	. CIRCUIT BREAKER STROBE LIGHT (ZONE 224)		01
	HI006	CM3589-5	. CIRCUIT BREAKER PITOT HEAT (ZONE 224)		01
	HI007	S1360-10L	. CIRCUIT BREAKER FLAPS (ZONE 224)		01
	HI008	S1360-5L	. CIRCUIT BREAKER TURN COORDINATOR (ZONE 224)		01
	HI009	S1360-5L	. CIRCUIT BREAKER INSTRUMENTS (ZONE 224)		01
		MS35206-226	. . SCREW		AR
		S2122-1	. . NUT		AR
	HI010	S1360-5L	. CIRCUIT BREAKER ALTERNATOR FIELD (ZONE 224)		01
	HI012	CM3589-5	. CIRCUIT BREAKER FUEL PUMP (ZONE 224)		01
	HI013	CM3589-10	. CIRCUIT BREAKER TAXI LIGHT (ZONE 224)		01
	HI022	S1360-5L	. CIRCUIT BREAKER WARNING (ZONE 224)		01
	HI023	S1360-15L	. CIRCUIT BREAKER AVIONICS (ZONE 224)		01
	HI024	S1360-15L	. CIRCUIT BREAKER AVIONICS (ZONE 224)		01
	JC001	S2349-5	. CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01
		S2099-4	. . SOCKET		AR
	JC010	S1641-6	. CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01
		S1636-2	. . SOCKETS		AR
	JC012	S2035-2	. CONNECTOR AVIONICS CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01
		S1636-2	. . SOCKETS		AR
	PC001	S2350-10	. CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01
		S2353-4	. . PIN		AR
		S2353-5	. . PIN		AR
	PC010	S1640-6	. CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01
		S1635-1	. . PIN		AR
		S1635-2	. . PIN		AR
	PC012	S2035-1	. CONNECTOR AVIONICS CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01
		S1635-2	. . PIN		AR
	SI009	S3272-1-1	. SWITCH MASTER (ZONE 224)		01
		S1843-1	. . MOUNTING BEZEL		AR
	SI010	S3443-1-1	. SWITCH AVIONICS MASTER (ZONE 224)	80984 & ON 8704 & ON	01

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

NOTES:

1. ALL WIRE 22AWG. UNLESS OTHERWISE NOTED.
2. CAP AND STOP UNUSED OPTION WIRES NEAR CIRCUIT BREAKER LOCATION WHEN OPTION IS NOT INSTALLED.
3. INSTALL PROTECTIVE TUBING OVER DIODE AS SHOWN:

4. USE HIGH CURRENT CONTACTS (REF S3373-X).
5. DME/ADF CIRCUIT BRKR. OPTION WAS ADF PRIOR TO EC55910.



0570519A1

CIRCUIT BREAKER PANEL
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
01			CIRCUIT BREAKER PANEL		
			17281241 & ON		
			172S9810 & ON		
			WITH NAV III OPTION		
	DI001	1N6391	. DIODE		01 R
	DI002	1N6391	. DIODE		01 R
	DI006	1N6391	. DIODE (ZONE 224)		01 R
	DI007	1N6391	. DIODE (ZONE 224)		01 R
	HI025	S2899L5.0	. CIRCUIT BREAKER FUEL PUMP (ZONE 224)	81241 & ON	01 R
			WITH NAV III OPTION	9810 & ON	
	HI026	S2899L5.0	. CIRCUIT BREAKER BEACON LIGHT (ZONE 224)	81241 & ON	01 R
			WITH NAV III OPTION	9810 & ON	
	HI027	S2899L10.0	. CIRCUIT BREAKER LANDING LIGHT (ZONE 224)	81241 & ON	01 R
			WITH NAV III OPTION	9810 & ON	
	HI028	S2899L10.0	. CIRCUIT BREAKER TAXI LIGHT (ZONE 224)	81241 & ON	01 R
			WITH NAV III OPTION	9810 & ON	
	HI029	S2899L5.0	. CIRCUIT BREAKER NAV LIGHT (ZONE 224)	81241 & ON	01 R
			WITH NAV III OPTION	9810 & ON	
	HI031	S2899L5.0	. CIRCUIT BREAKER STROBE LIGHTS (ZONE 224)	81241 & ON	01 R
			WITH NAV III OPTION	9810 & ON	
	HI032	S2899L5.0	. CIRCUIT BREAKER PITOT HEAT (ZONE 224)	81241 & ON	01 R
			WITH NAV III OPTION	9810 & ON	
	HI034	S2899L20.0	. CIRCUIT BREAKER STANDBY BATTERY (ZONE 224)	81241 & ON	01 R
			WITH NAV III OPTION	9810 & ON	
	HI035	S2899L5.0	. CIRCUIT BREAKER STANDBY IND LIGHTS (ZONE 224)	81241 & ON	01 R
			WITH NAV III OPTION	9810 & ON	
	HI036	S2899L5.0	. CIRCUIT BREAKER PFD (ZONE 224)	81241 & ON	01 R
			WITH NAV III OPTION	9810 & ON	
	HI037	S2899L10.0	. CIRCUIT BREAKER ADC/AHRS (ZONE 224)	81241 & ON	01 R
			WITH NAV III OPTION	9810 & ON	
	HI038	S2899L15.0	. CIRCUIT BREAKER NAV 1/ENG (ZONE 224)	81241 & ON	01 R
			WITH NAV III OPTION	9810 & ON	
	HI039	S2899L5.0	. CIRCUIT BREAKER COMM 1 (ZONE 224)	81241 & ON	01 R
			WITH NAV III OPTION	9810 & ON	
	HI040	S2899L15.0	. CIRCUIT BREAKER NAV 1/ENG (ZONE 224)	81241 & ON	01 R
			WITH NAV III OPTION	9810 & ON	
	HI041	S2899L10.0	. CIRCUIT BREAKER ADC/AHRS (ZONE 224)	81241 & ON	01 R
			WITH NAV III OPTION	9810 & ON	
	HI042	S2899L5.0	. CIRCUIT BREAKER PFD (ZONE 224)	81241 & ON	01 R
			WITH NAV III OPTION	9810 & ON	
	HI048	S2899L5.0	. CIRCUIT BREAKER XPDR (ZONE 224)	81241 & ON	01 R
			WITH NAV III OPTION	9810 & ON	
	HI049	S2899L5.0	. CIRCUIT BREAKER AUDIO (ZONE 224)	81241 & ON	01 R
			WITH NAV III OPTION	9810 & ON	
	HI050	S2899L5.0	. CIRCUIT BREAKER COMM 2 (ZONE 244)	81241 & ON	01 R
			WITH NAV III OPTION	9810 & ON	

- ITEM NOT ILLUSTRATED

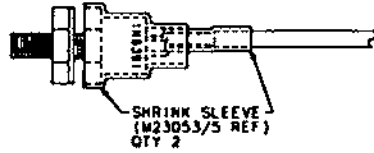
Figure 01

Page 1

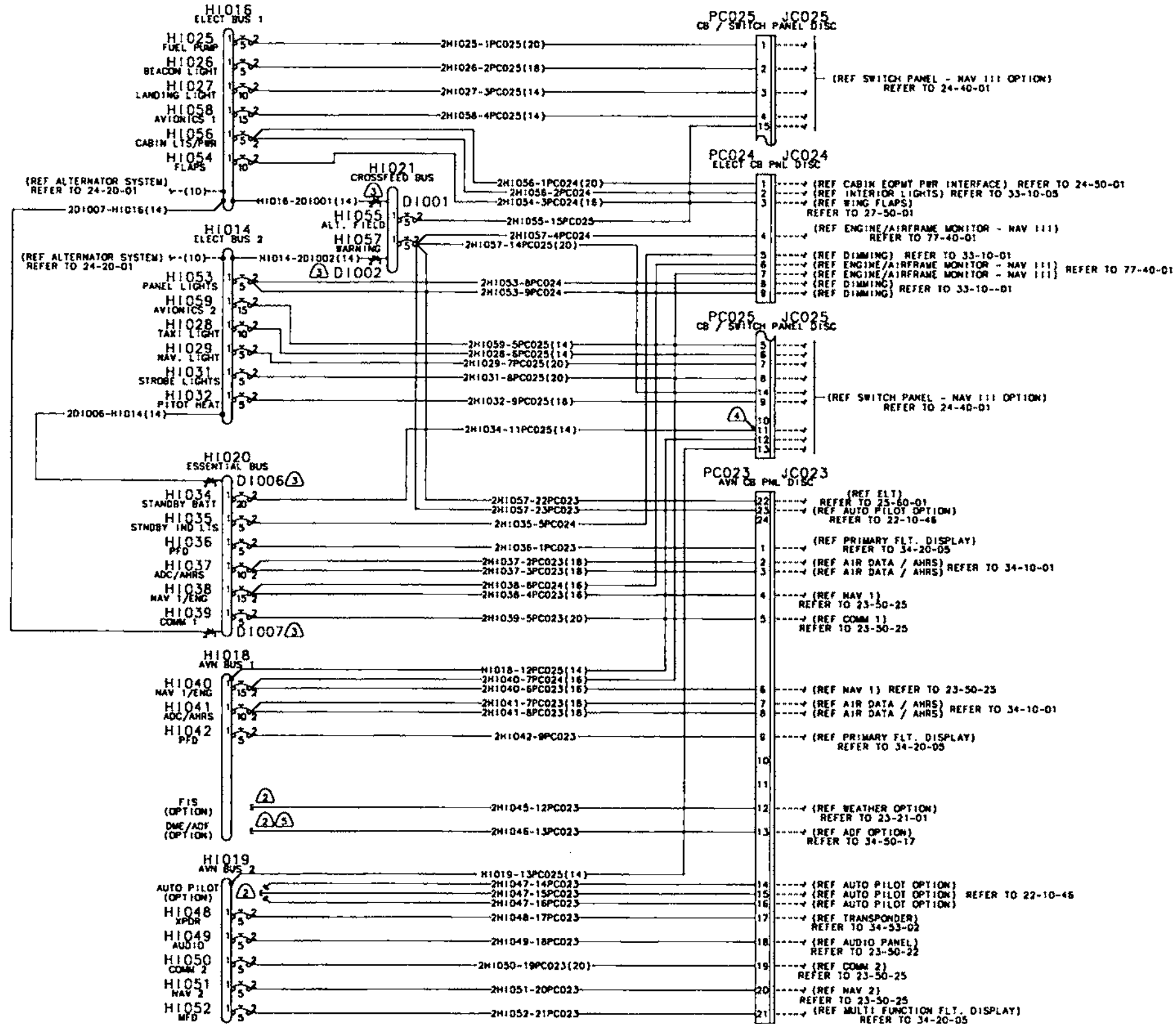
CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

NOTES:

1. ALL WIRE 22AWG, UNLESS OTHERWISE NOTED.
2. CAP AND STOP UNUSED OPTION WIRES NEAR CIRCUIT BREAKER LOCATION WHEN OPTION IS NOT INSTALLED.
3. INSTALL PROTECTIVE TUBING OVER DIODE AS SHOWN:



4. USE HIGH CURRENT CONTACTS (REF 53373-X).
5. DME/ADF CIRCUIT BRKR. OPTION WAS ADF PRIOR TO EC55910.



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CIRCUIT BREAKER PANEL
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

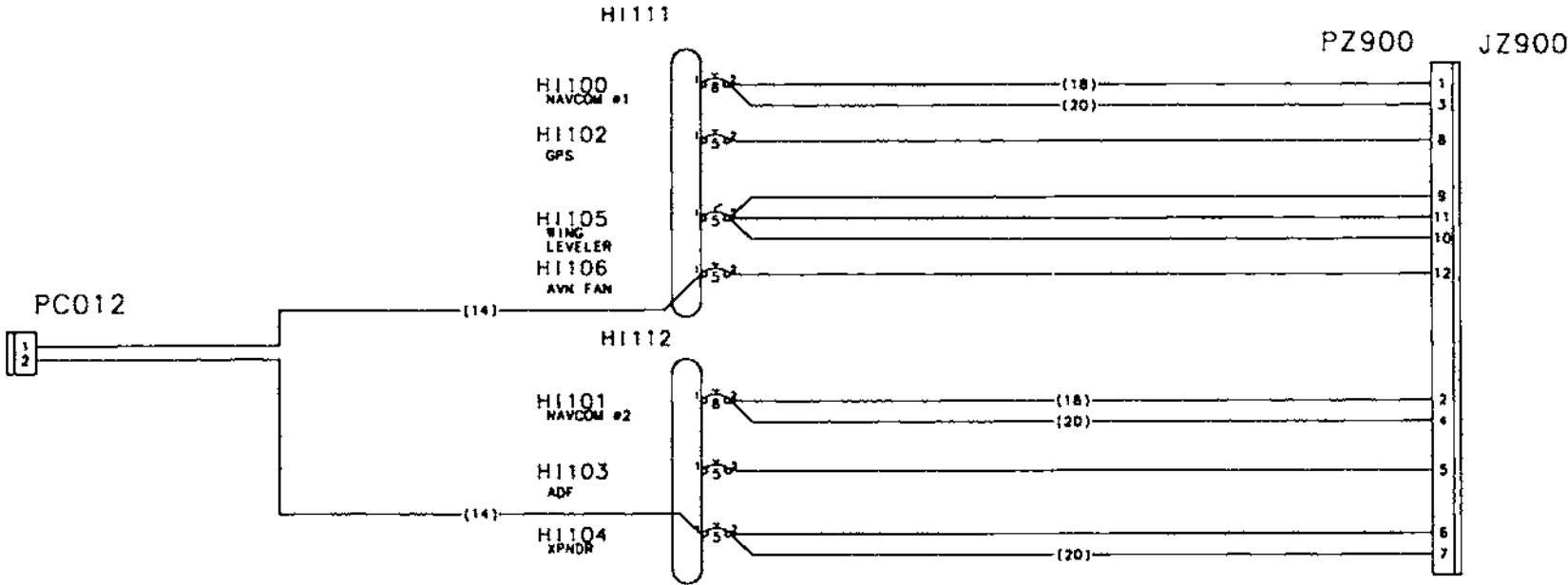
FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
		1 2 3 4 5 6 7		
HI051	S2899L5.0	. CIRCUIT BREAKER NAV 2 (ZONE 224)	81241 & ON	01 R
		WITH NAV III OPTION	9810 & ON	
HI052	S2899L5.0	. CIRCUIT BREAKER MFD (ZONE 224)	81241 & ON	01 R
		WITH NAV III OPTION	9810 & ON	
HI053	S2899L5.0	. CIRCUIT BREAKER PANEL LIGHTS (ZONE 224)	81241 & ON	01 R
		WITH NAV III OPTION	9810 & ON	
HI054	S2899L10.0	. CIRCUIT BREAKER FLAPS (ZONE 224)	81241 & ON	01 R
		WITH NAV III OPTION	9810 & ON	
HI055	S2899L5.0	. CIRCUIT BREAKER ALT FIELD (ZONE 224)	81241 & ON	01 R
		WITH NAV III OPTION	9810 & ON	
HI056	S2899L5.0	. CIRCUIT BREAKER CABIN LIGHTS POWER (ZONE 224)	81241 & ON	01 R
		WITH NAV III OPTION	9810 & ON	
HI057	S2899L5.0	. CIRCUIT BREAKER WARNING (ZONE 224)	81241 & ON	01 R
		WITH NAV III OPTION	9810 & ON	
HI058	S2899L15.0	. CIRCUIT BREAKER AVIONICS 1 (ZONE 224)	81241 & ON	01 R
		WITH NAV III OPTION	9810 & ON	
HI059	S2899L15.0	. CIRCUIT BREAKER AVIONICS 2 (ZONE 224)	81241 & ON	01 R
		WITH NAV III OPTION	9810 & ON	
JC023	S2350-10	. CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)	81241 & ON	01 R
			9810 & ON	
-	S2353-5	. . PIN		ARR
JC024	S2350-3	. CONNECTOR (ZONE 224)	81241 & ON	01 R
			9810 & ON	
-	S2353-4	. . PIN		ARR
-	S2353-5	. . PIN		ARR
JC025	S2350-3	. CONNECTOR		01 R
-	S2353-4	. . PIN		ARR
-	S2353-5	. . PIN		ARR
-	S2353-6	. . PIN		ARR
PC023	S2349-5	. CONNECTOR AVN CB PANEL DISC	81241 & ON	01 R
		WITH NAV III OPTION	9810 & ON	
-	S2099-3	. . CONTACT		ARR
-	S2099-4	. . CONTACT		ARR
PC024	S2349-3	. CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)	81241 & ON	01 R
			9810 & ON	
-	S2099-3	. . CONTACT		ARR
-	S2099-4	. . CONTACT		ARR
PC025	S2349-1	. CONNECTOR C/B SWITCH PANEL DISC (ZONE 224)	81241 & ON	01 R
			9810 & ON	
-	S2099-13	. . CONTACT		ARR
-	S2099-3	. . CONTACT		ARR
-	S2099-4	. . CONTACT		ARR
-	S3373-2	. . SOCKET		ARR

- ITEM NOT ILLUSTRATED

Figure 01

Page 3

NOTES:
1. ALL WIRE 22 GAUGE UNLESS OTHERWISE NOTED.



3929103A1

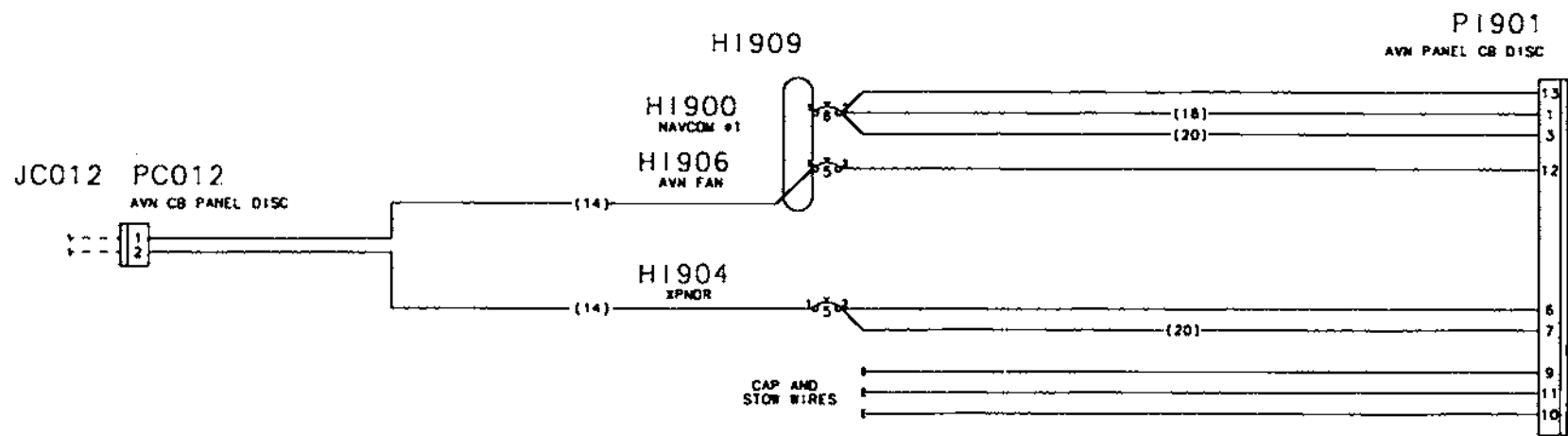
AVIONICS CIRCUIT BREAKER PANEL
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES		1 2 3 4 5 6 7		FROM TO	PER ASSY
01			AVIONICS CIRCUIT BREAKER PANEL 17280001 THRU 17280003 STANDARD		
	HI100	S1360-8L	. CIRCUIT BREAKER NAV/COMM #1 (ZONE 224)		01
	HI101	S1360-8L	. CIRCUIT BREAKER NAV/COMM #1 (ZONE 224)		01
	HI102	S1360-5L	. CIRCUIT BREAKER GPS		01
	HI103	S1360-5L	. CIRCUIT BREAKER ADF		01
	HI104	S1360-5L	. CIRCUIT BREAKER TRANSPONDER		01
	HI105	S1360-5L	. CIRCUIT BREAKER WING LEVELER		01
	HI106	S1360-5L	. CIRCUIT BREAKER AVIONICS FAN		01
	JZ900	S2350-3	. CONNECTOR (ZONE 220)		01
		S2353-4	. . PINS		AR
		S2353-5	. . PINS		AR
	PC012	S2035-1	. CONNECTOR AVIONICS CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01
		S1635-2	. . PIN		AR
	PZ900	S2349-1	. CONNECTOR WING LEVELER DISCONNECT (ZONE 220)		01
		S2099-3	. . CONTACTS		AR
		S2099-4	. . CONTACTS		AR

- ITEM NOT ILLUSTRATED

NOTES:
1. ALL WIRE 22 GAUGE UNLESS OTHERWISE NOTED.



AVIONICS CIRCUIT BREAKER PANEL
Figure 02 (Sheet 1)

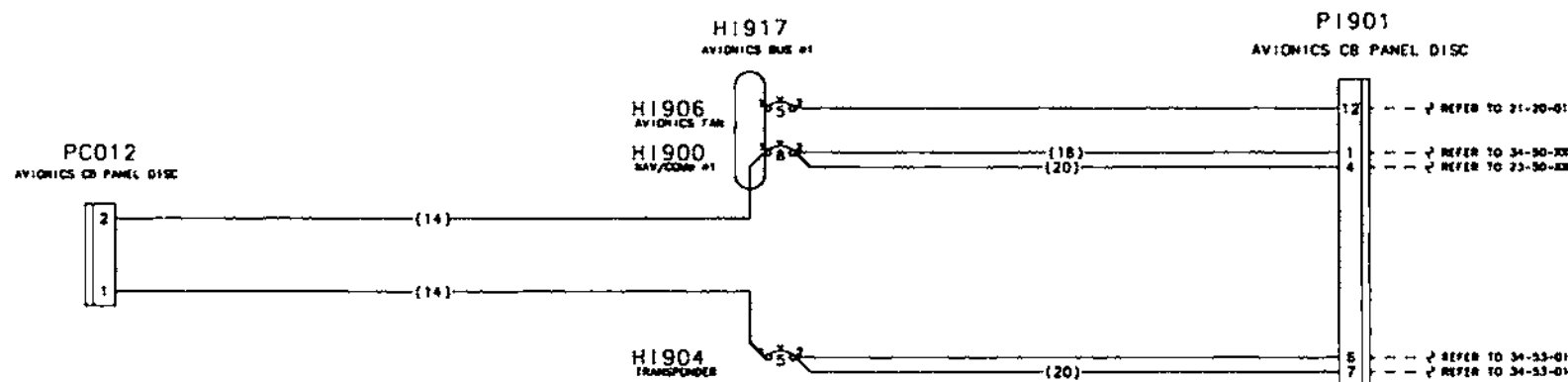
3929106_1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES		1 2 3 4 5 6 7		FROM TO	PER ASSY
02			AVIONICS CIRCUIT BREAKER PANEL 17280004 THRU 17280983 172S8001 THRU 172S8703 STANDARD		
	HI900	1610-128-080A7	. CIRCUIT BREAKER NAV/COMM #1 (ZONE 224)	V76374	01
	HI904	1610-128-050A7	. CIRCUIT BREAKER TRANSPONDER (ZONE 224)	V76374	01
	HI906	1610-128-050A7	. CIRCUIT BREAKER AVIONICS FAN (ZONE 224)	V76374	01
	JC012	S2035-2	. CONNECTOR AVIONICS CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01
	-	S1636-2	. . SOCKETS		AR
	PC012	S2035-1	. CONNECTOR AVIONICS CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01
	-	S1635-2	. . PIN		AR
	PI901	S2349-1	. CONNECTOR AVIONICS CIRCUIT BREAKER PANEL (ZONE 224) .		01
	-	S2099-3	. . CONTACT		AR
	-	S2099-4	. . CONTACT		AR

- ITEM NOT ILLUSTRATED

NOTES:
1. ALL WIRE 22 GAUGE UNLESS OTHERWISE NOTED.



AVIONICS CIRCUIT BREAKER PANEL
Figure 03 (Sheet 1)

3929124A1

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

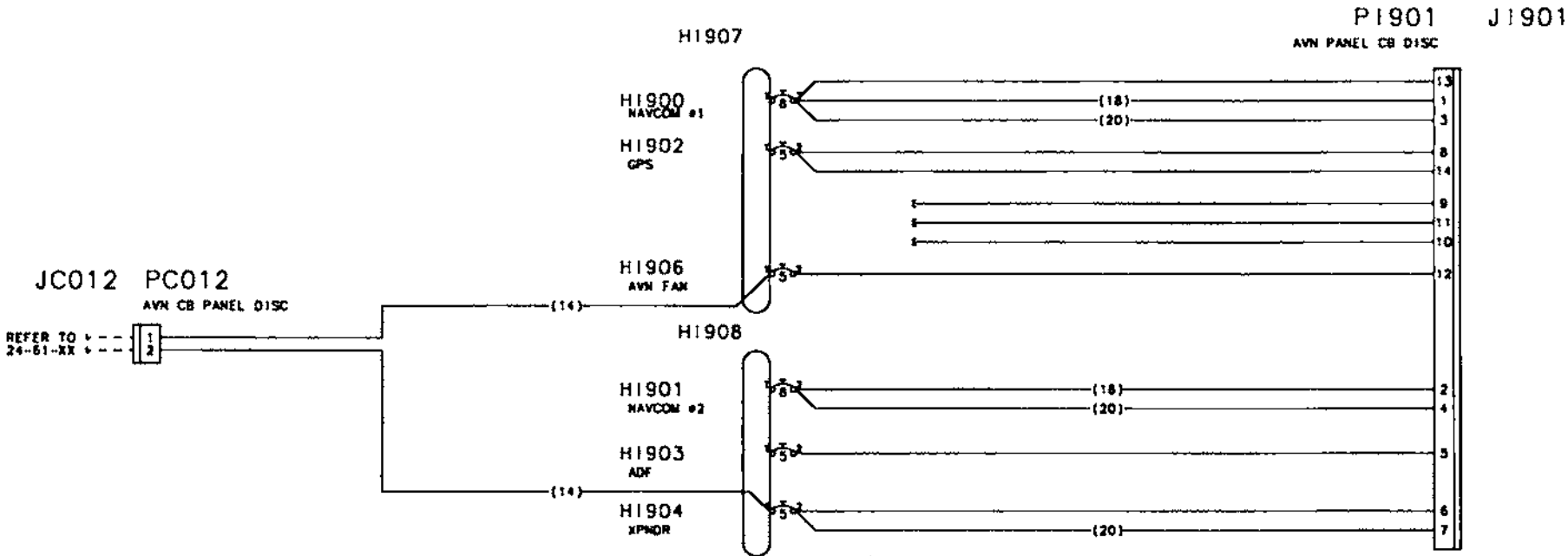
FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
		1 2 3 4 5 6 7		
03		AVIONICS CIRCUIT BREAKER PANEL		
		17280984 & ON		
		172S8704 & ON		
		STANDARD		
HI900	1610-128-080A7	. CIRCUIT BREAKER NAV/COMM #1 (ZONE 224)	V76374	01
HI904	1610-128-050A7	. CIRCUIT BREAKER TRANSPONDER (ZONE 224)	V76374	01
HI906	1610-128-050A7	. CIRCUIT BREAKER AVIONICS FAN (ZONE 224)	V76374	01
PC012	S2035-1	. CONNECTOR AVIONICS CIRCUIT BREAKER PANEL		01
		DISCONNECT (ZONE 224)		
-	S1835-2	. . PIN		AR
PI901	S2349-1	. CONNECTOR AVIONICS CIRCUIT BREAKER PANEL (ZONE 224) .		01
-	S2099-3	. . CONTACT		AR
-	S2099-4	. . CONTACT		AR

- ITEM NOT ILLUSTRATED

Figure 03

Page 1

NOTES:
1. ALL WIRE 22 GAUGE UNLESS OTHERWISE NOTED.



AVIONICS CIRCUIT BREAKER PANEL
Figure 01 (Sheet 1)

3929107_1

CESSNA AIRCRAFT COMPANY

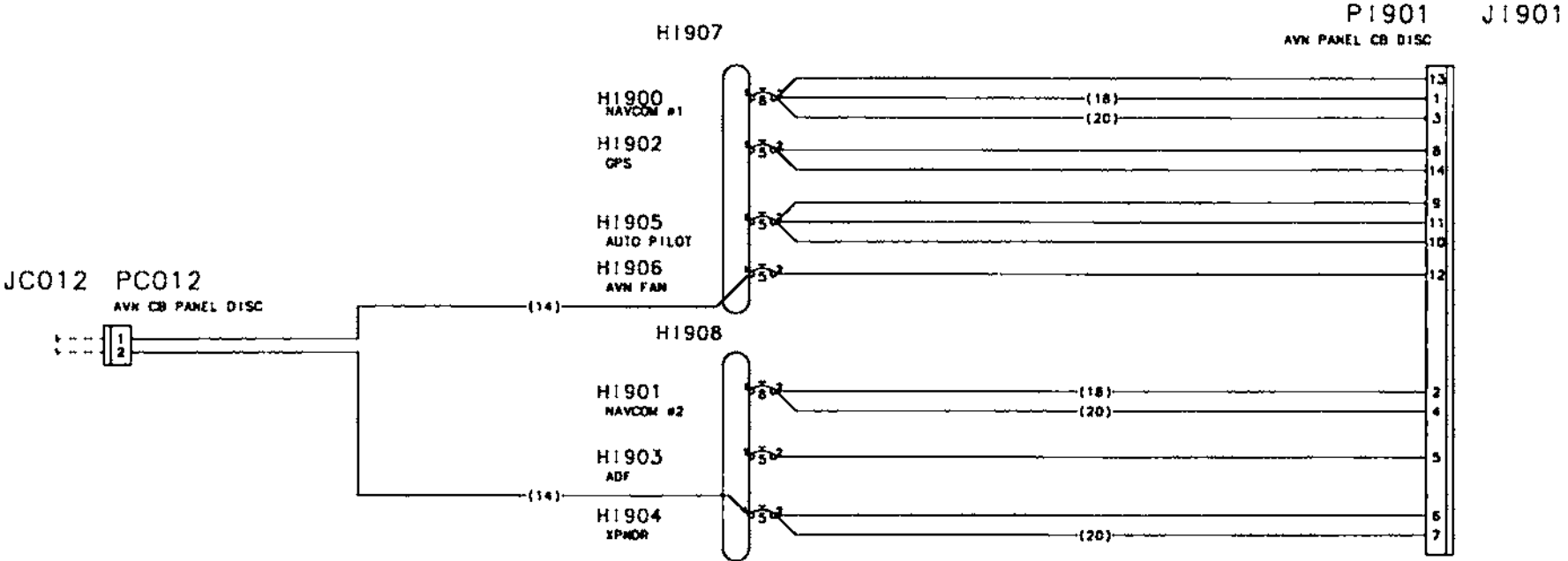
MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
	DES			FROM TO	PER ASSY
01			1234567		
			AVIONICS CIRCUIT BREAKER PANEL		
			17280004 THRU 17280983		
			172S8001 THRU 172S8703		
			NAV 1		
	HI900	1610-128-080A7	. CIRCUIT BREAKER NAV/COMM #1 (ZONE 224)	V76374	01 R
	HI901	1610-128-080A7	. CIRCUIT BREAKER NAV/COMM #2 (ZONE 224)	V76374	01 R
	HI902	1610-128-050A7	. CIRCUIT BREAKER GPS (ZONE 224)	V76374	01 R
	HI903	1610-128-050A7	. CIRCUIT BREAKER ADF #1 (ZONE 224)	V76374	01 R
	HI904	1610-128-050A7	. CIRCUIT BREAKER TRANSPONDER (ZONE 224)	V76374	01 R
	HI906	1610-128-050A7	. CIRCUIT BREAKER AVIONICS FAN (ZONE 224)	V76374	01 R
	JC012	S2035-2	. CONNECTOR AVIONICS CIRCUIT BREAKER PANEL		01 R
			DISCONNECT (ZONE 224)		
		S1636-2	. . SOCKETS		ARR
	J1901	S2350-3	. CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE		01 R
			220)		
		S2353-5	. . PIN		ARR
	PC012	S2035-1	. CONNECTOR AVIONICS CIRCUIT BREAKER PANEL		01 R
			DISCONNECT (ZONE 224)		
		S1635-2	. . PIN		ARR
	PI901	S2349-1	. CONNECTOR AVIONICS CIRCUIT BREAKER PANEL (ZONE 224) .		01 R
		S2099-3	. . CONTACT		ARR
		S2099-4	. . CONTACT		ARR

- ITEM NOT ILLUSTRATED

NOTES:
1. ALL WIRE 22 GAUGE UNLESS OTHERWISE NOTED.



AVIONICS CIRCUIT BREAKER PANEL
Figure 01 (Sheet 1)

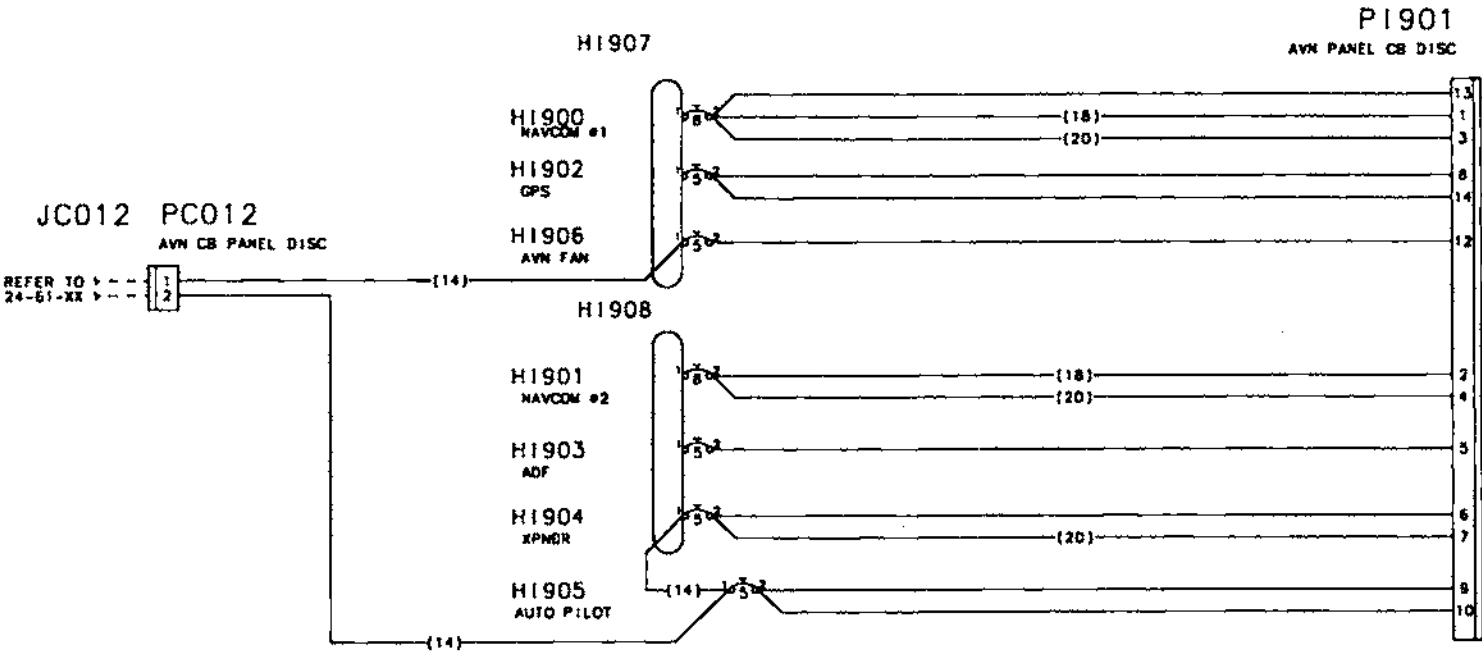
3929108_1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
		1234567			
01			AVIONICS CIRCUIT BREAKER PANEL		
			17280001 THRU 17280983		
			172S8001 THRU 172S8703		
			NAV II		
	HI900	1610-128-080A7	CIRCUIT BREAKER NAV/COMM #1 (ZONE 224)	V76374	01
	HI901	1610-128-080A7	CIRCUIT BREAKER NAV/COMM #2 (ZONE 224)	V76374	01
	HI902	1610-128-050A7	CIRCUIT BREAKER GPS (ZONE 224)	V76374	01
	HI903	1610-128-050A7	CIRCUIT BREAKER ADF #1 (ZONE 224)	V76374	01
	HI904	1610-128-050A7	CIRCUIT BREAKER TRANSPONDER (ZONE 224)	V76374	01
	HI905	1610-128-050A7	CIRCUIT BREAKER AUTOPILOT (ZONE 224)	V76374	01
	HI906	1610-128-050A7	CIRCUIT BREAKER AVIONICS FAN (ZONE 224)	V76374	01
	JC012	S2035-2	CONNECTOR AVIONICS CIRCUIT BREAKER PANEL		01
			DISCONNECT (ZONE 224)		
	-	S1636-2	SOCKETS		AR
	J1901	S2350-3	CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE		01
			220)		
	-	S2353-5	PIN		AR
	PC012	S2035-1	CONNECTOR AVIONICS CIRCUIT BREAKER PANEL		01
			DISCONNECT (ZONE 224)		
	-	S1635-2	PIN		AR
	P1901	S2349-1	CONNECTOR AVIONICS CIRCUIT BREAKER PANEL (ZONE 224) .		01
	-	S2099-3	CONTACT		AR
	-	S2099-4	CONTACT		AR

- ITEM NOT ILLUSTRATED

NOTES:
1. ALL WIRE 22 GAUGE UNLESS OTHERWISE NOTED.



AVIONICS CIRCUIT BREAKER PANEL
Figure 01 (Sheet 1)

3929112_1

CESSNA AIRCRAFT COMPANY

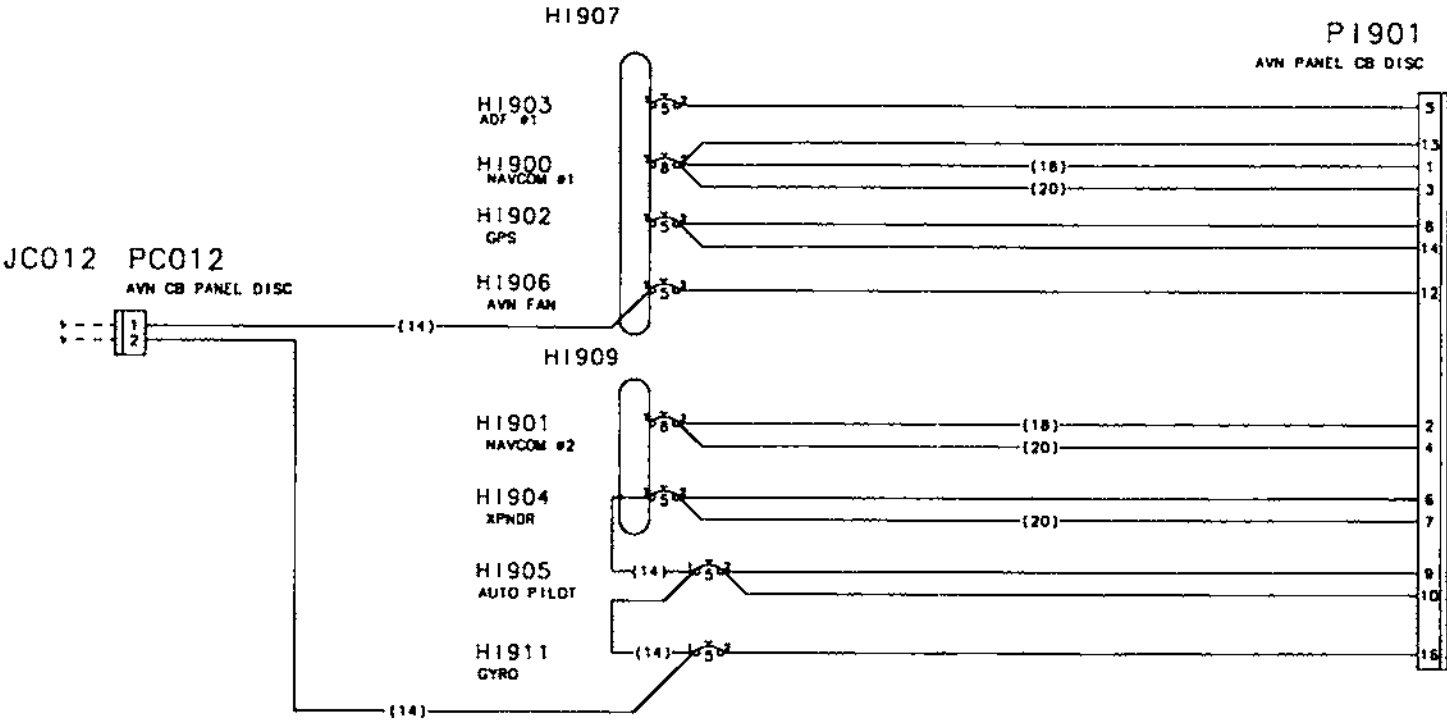
MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
		1 2 3 4 5 6 7			
01			AVIONICS CIRCUIT BREAKER PANEL 172S8348 THRU 172S8703		
	HI900	1610-128-080A7	. CIRCUIT BREAKER NAV/COMM #1 (ZONE 224)	V76374	01 R
	HI901	1610-128-080A7	. CIRCUIT BREAKER NAV/COMM #2 (ZONE 224)	V76374	01 R
	HI902	1610-128-050A7	. CIRCUIT BREAKER GPS (ZONE 224)	V76374	01 R
	HI903	1610-128-050A7	. CIRCUIT BREAKER ADF #1 (ZONE 224)	V76374	01 R
	HI904	1610-128-050A7	. CIRCUIT BREAKER TRANSPONDER (ZONE 224)	V76374	01 R
	HI905	1610-128-050A7	. CIRCUIT BREAKER AUTOPILOT (ZONE 224)	V76374	01 R
	HI906	1610-128-050A7	. CIRCUIT BREAKER AVIONICS FAN (ZONE 224)	V76374	01 R
	JC012	S2035-2	. CONNECTOR AVIONICS CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01 R
-		S1636-2	. . SOCKETS		ARR
	PC012	S2035-1	. CONNECTOR AVIONICS CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01 R
-		S1635-2	. . PIN		ARR
	PI901	S2349-1	. CONNECTOR AVIONICS CIRCUIT BREAKER PANEL (ZONE 224) .		01 R
-		S2099-3	. . CONTACT		ARR
-		S2099-4	. . CONTACT		ARR

- ITEM NOT ILLUSTRATED

NOTES:
1. ALL WIRE 22 GAUGE UNLESS OTHERWISE NOTED.



AVIONICS CIRCUIT BREAKER PANEL
Figure 01 (Sheet 1)

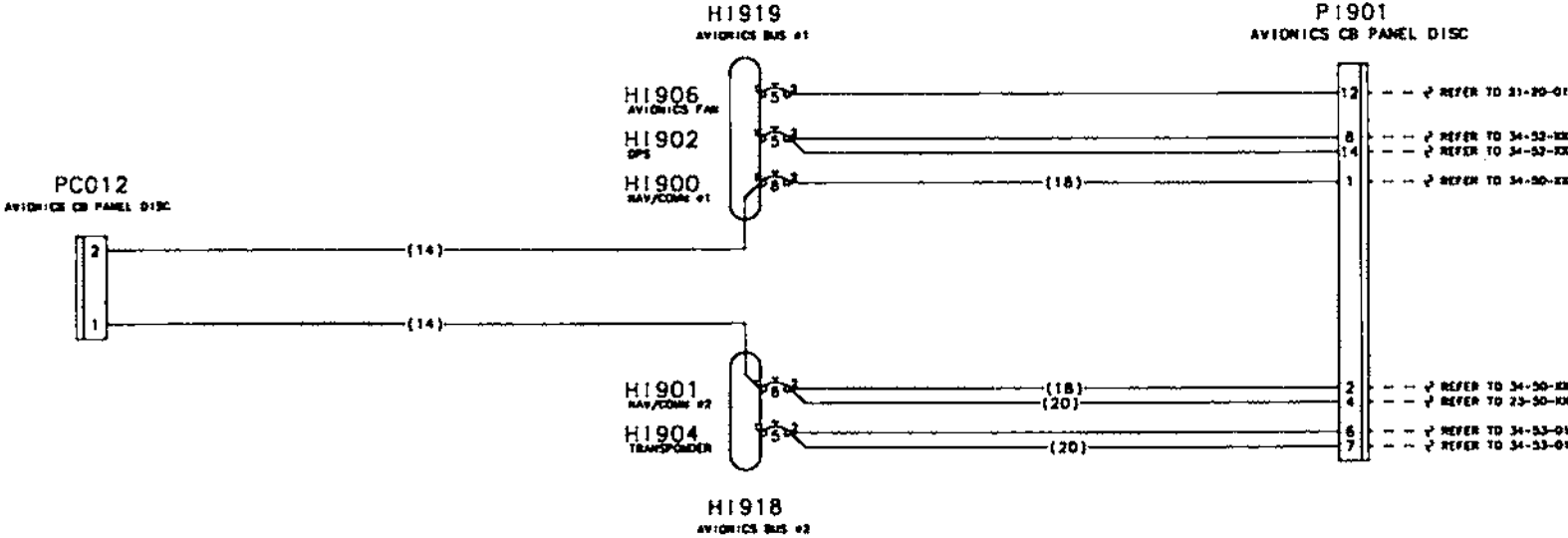
3929114_1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
01			1234567		
			AVIONICS CIRCUIT BREAKER PANEL		
			17280694 THRU 17280983		
			172S8113 THRU 172S8703		
			NAV II W/HSI		
HI900	1610-128-080A7		CIRCUIT BREAKER NAV/COMM #1 (ZONE 224)	V76374	01 R
HI901	1610-128-080A7		CIRCUIT BREAKER NAV/COMM #2 (ZONE 224)	V76374	01 R
HI902	1610-128-050A7		CIRCUIT BREAKER GPS (ZONE 224)	V76374	01 R
HI903	1610-128-050A7		CIRCUIT BREAKER ADF #1 (ZONE 224)	V76374	01 R
HI904	1610-128-050A7		CIRCUIT BREAKER TRANSPONDER (ZONE 224)	V76374	01 R
HI905	1610-128-050A7		CIRCUIT BREAKER AUTOPILOT (ZONE 224)	V76374	01 R
HI906	1610-128-050A7		CIRCUIT BREAKER AVIONICS FAN (ZONE 224)	V76374	01 R
HI911	1610-128-050A7		CIRCUIT BREAKER GYRO (ZONE 224)	V76374	01 R
JC012	S2035-2		CONNECTOR AVIONICS CIRCUIT BREAKER PANEL		01 R
			DISCONNECT (ZONE 224)		
-	S1636-2		SOCKETS		AR R
PC012	S2035-1		CONNECTOR AVIONICS CIRCUIT BREAKER PANEL		01 R
			DISCONNECT (ZONE 224)		
-	S1635-2		PIN		AR R
PI901	S2349-1		CONNECTOR AVIONICS CIRCUIT BREAKER PANEL (ZONE 224) .		01 R
-	S2099-3		CONTACT		AR R
-	S2099-4		CONTACT		AR R

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NOTES:
1. ALL WIRE 22 GAUGE UNLESS OTHERWISE NOTED.



3929125A1

AVIONICS CIRCUIT BREAKER PANEL
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

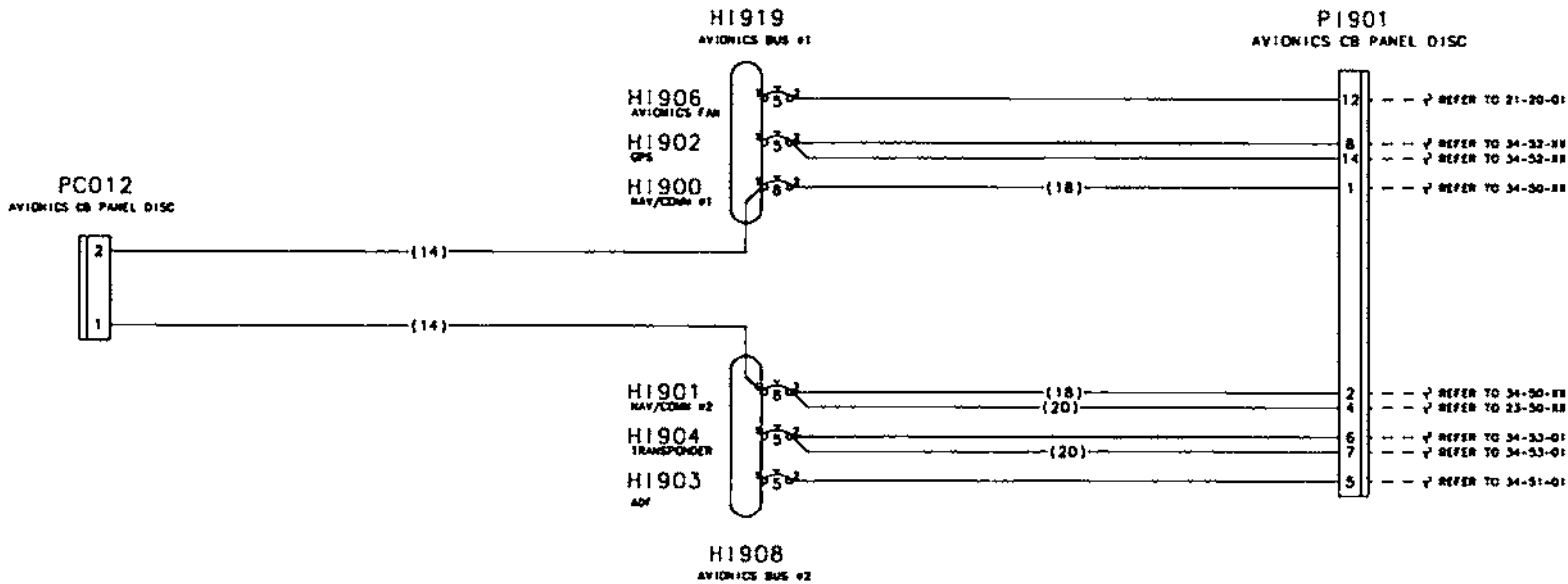
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
			1 2 3 4 5 6 7		
01			AVIONICS CIRCUIT BREAKER PANEL		
			17280984 & ON		
			172S8704 & ON		
			NAV I		
	H1900	1610-128-080A7	. CIRCUIT BREAKER NAV/COMM #1 (ZONE 224)	V76374	01 R
	H1901	1610-128-080A7	. CIRCUIT BREAKER NAV/COMM #2 (ZONE 224)	V76374	01 R
	H1902	1610-128-050A7	. CIRCUIT BREAKER GPS (ZONE 224)	V76374	01 R
	H1904	1610-128-050A7	. CIRCUIT BREAKER TRANSPONDER (ZONE 224)	V76374	01 R
	H1906	1610-128-050A7	. CIRCUIT BREAKER AVIONICS FAN (ZONE 224)	V76374	01 R
	PC012	S2035-1	. CONNECTOR AVIONICS CIRCUIT BREAKER PANEL		01 R
			DISCONNECT (ZONE 224)		
-		S1635-2	. . PIN		ARR
-	PI901	S2349-1	. CONNECTOR AVIONICS CIRCUIT BREAKER PANEL (ZONE 224) .		01 R
-		S2099-3	. . CONTACT		ARR
-		S2099-4	. . CONTACT		ARR

- ITEM NOT ILLUSTRATED

Figure 01

Page 1

NOTES:
1. ALL WIRE 22 GAUGE UNLESS OTHERWISE NOTED.



AVIONICS CIRCUIT BREAKER PANEL
Figure 01 (Sheet 1)

3929126A1

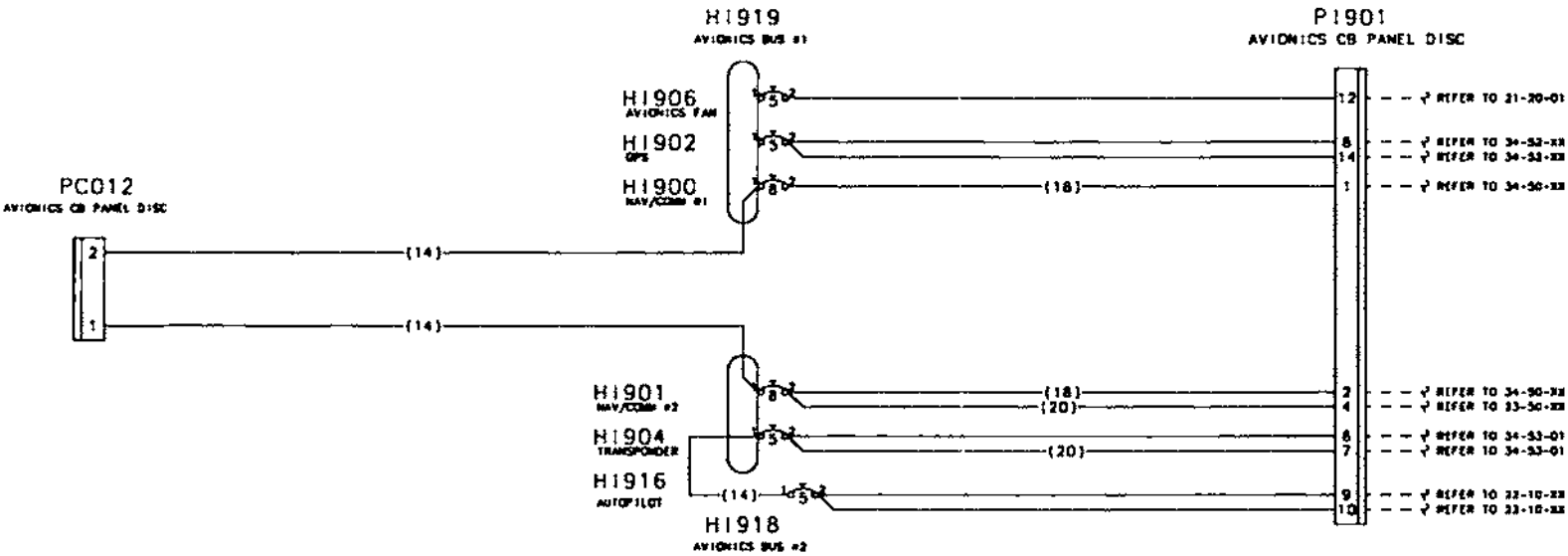
CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
		1 2 3 4 5 6 7			
01			AVIONICS CIRCUIT BREAKER PANEL		
			17280984 & ON		
			172S8704 & ON		
			NAV I W/ADF		
	HI900	1610-128-080A7	. CIRCUIT BREAKER NAV/COMM #1 (ZONE 224)	V76374	01 R
	HI901	1610-128-080A7	. CIRCUIT BREAKER NAV/COMM #2 (ZONE 224)	V76374	01 R
	HI902	1610-128-050A7	. CIRCUIT BREAKER GPS (ZONE 224)	V76374	01 R
	HI903	1610-128-050A7	. CIRCUIT BREAKER ADF #1 (ZONE 224)	V76374	01 R
	HI904	1610-128-050A7	. CIRCUIT BREAKER TRANSPONDER (ZONE 224)	V76374	01 R
	HI906	1610-128-050A7	. CIRCUIT BREAKER AVIONICS FAN (ZONE 224)	V76374	01 R
	PC012	S2035-1	. CONNECTOR AVIONICS CIRCUIT BREAKER PANEL		01 R
			DISCONNECT (ZONE 224)		
	-	S1635-2	. . PIN		ARR
	PI901	S2349-1	. CONNECTOR AVIONICS CIRCUIT BREAKER PANEL (ZONE 224) .		01 R
	-	S2099-3	. . CONTACT		ARR
	-	S2099-4	. . CONTACT		ARR

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

NOTES:
1. ALL WIRE 22 GAUGE UNLESS OTHERWISE NOTED.



3929127A1

AVIONICS CIRCUIT BREAKER PANEL
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

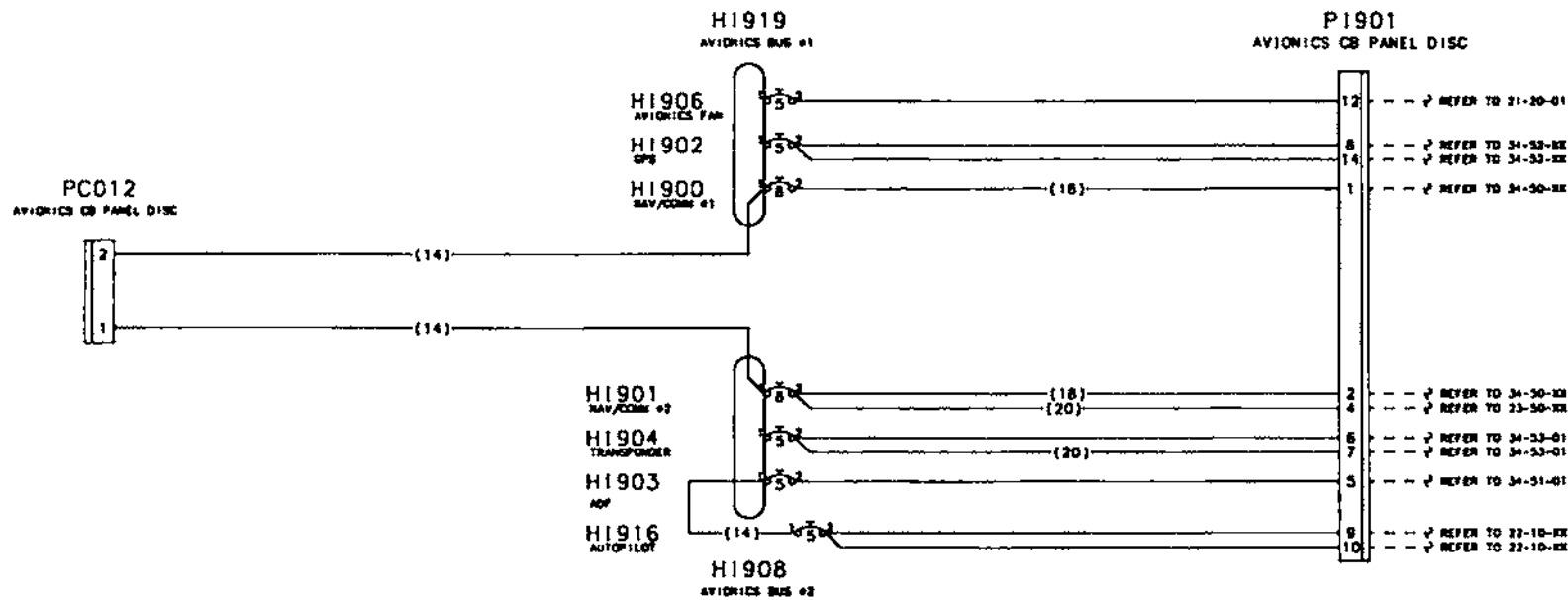
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
		1 2 3 4 5 6 7			
01			AVIONICS CIRCUIT BREAKER PANEL		
			17280984 & ON		
			172S8704 & ON		
			NAV II		
HI900	1610-128-080A7		. CIRCUIT BREAKER NAV/COMM #1 (ZONE 224)	V76374	01 R
HI901	1610-128-080A7		. CIRCUIT BREAKER NAV/COMM #2 (ZONE 224)	V76374	01 R
HI902	1610-128-050A7		. CIRCUIT BREAKER GPS (ZONE 224)	V76374	01 R
HI904	1610-128-050A7		. CIRCUIT BREAKER TRANSPONDER (ZONE 224)	V76374	01 R
HI906	1610-128-050A7		. CIRCUIT BREAKER AVIONICS FAN (ZONE 224)	V76374	01 R
HI916	MS26574-5		. CIRCUIT BREAKER AUTOPILOT (ZONE 224)		01 R
PC012	S2035-1		. CONNECTOR AVIONICS CIRCUIT BREAKER PANEL		01 R
			DISCONNECT (ZONE 224)		
-	S1635-2		. . PIN		AR R
PI901	S2349-1		. CONNECTOR AVIONICS CIRCUIT BREAKER PANEL (ZONE 224) .		01 R
-	S2099-3		. . CONTACT		AR R
-	S2099-4		. . CONTACT		AR R

- ITEM NOT ILLUSTRATED

Figure 01

Page 1

NOTES:
1. ALL WIRE 22 GAUGE UNLESS OTHERWISE NOTED.



3929128A1

AVIONICS CIRCUIT BREAKER PANEL
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
			1 2 3 4 5 6 7		
01			AVIONICS CIRCUIT BREAKER PANEL		
			17280984 & ON		
			172S8704 & ON		
			NAV 1 W/ADF		
HI900	1610-128-080A7		. CIRCUIT BREAKER NAV/COMM #1 (ZONE 224)	V76374	01 R
HI901	1610-128-080A7		. CIRCUIT BREAKER NAV/COMM #2 (ZONE 224)	V76374	01 R
HI902	1610-128-050A7		. CIRCUIT BREAKER GPS (ZONE 224)	V76374	01 R
HI903	1610-128-050A7		. CIRCUIT BREAKER ADF #1 (ZONE 224)	V76374	01 R
HI904	1610-128-050A7		. CIRCUIT BREAKER TRANSPONDER (ZONE 224)	V76374	01 R
HI906	1610-128-050A7		. CIRCUIT BREAKER AVIONICS FAN (ZONE 224)	V76374	01 R
HI916	MS26574-5		. CIRCUIT BREAKER AUTOPILOT (ZONE 224)		01 R
PC012	S2035-1		. CONNECTOR AVIONICS CIRCUIT BREAKER PANEL		01 R
			DISCONNECT (ZONE 224)		
-	S1635-2		. . PIN		AR R
PI901	S2349-1		. CONNECTOR AVIONICS CIRCUIT BREAKER PANEL (ZONE 224) .		01 R
-	S2099-3		. . CONTACT		AR R
-	S2099-4		. . CONTACT		AR R

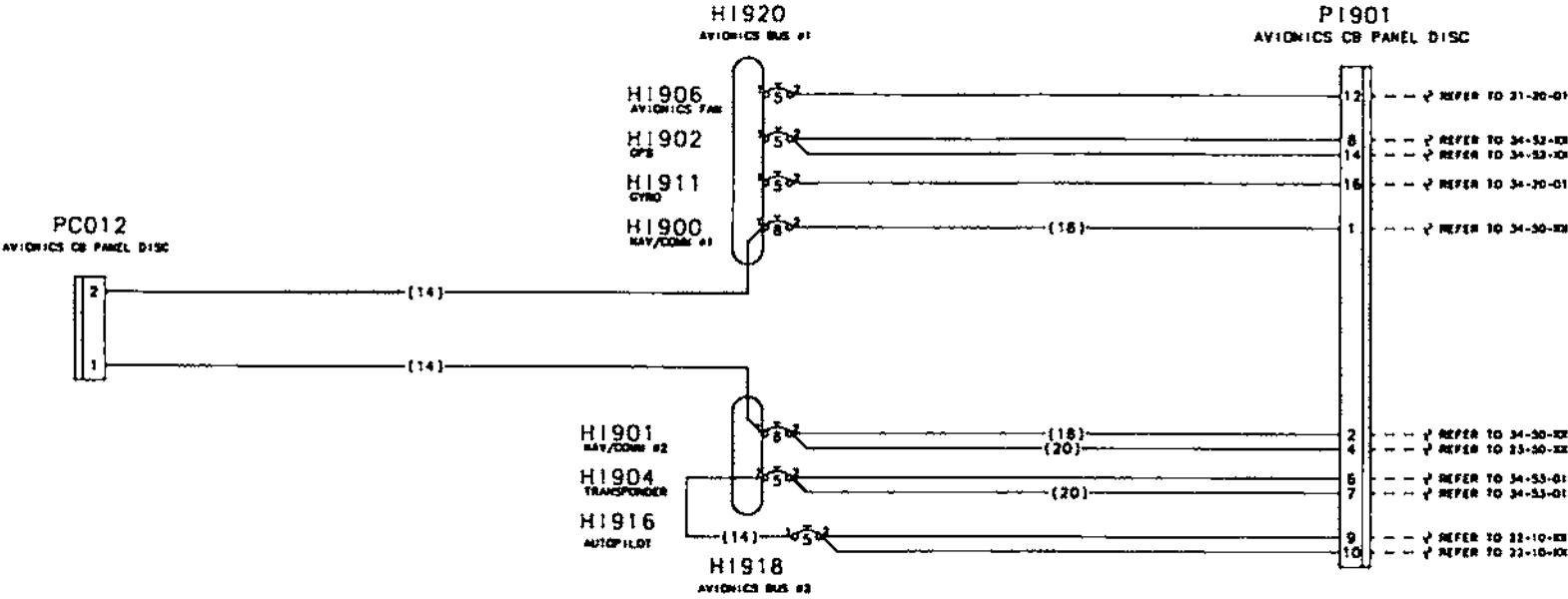
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Figure 01

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

NOTES:
1. ALL WIRE 22 GAUGE UNLESS OTHERWISE NOTED.



AVIONICS CIRCUIT BREAKER PANEL
Figure 01 (Sheet 1)

3929129A1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
		1234567			
01			AVIONICS CIRCUIT BREAKER PANEL		
			17280984 & ON		
			172S8704 & ON		
			NAV II W/HSI		
HI900	1610-128-080A7		. CIRCUIT BREAKER NAV/COMM #1 (ZONE 224)	V76374	01 R
HI901	1610-128-080A7		. CIRCUIT BREAKER NAV/COMM #2 (ZONE 224)	V76374	01 R
HI902	1610-128-050A7		. CIRCUIT BREAKER GPS (ZONE 224)	V76374	01 R
HI904	1610-128-050A7		. CIRCUIT BREAKER TRANSPONDER (ZONE 224)	V76374	01 R
HI906	1610-128-050A7		. CIRCUIT BREAKER AVIONICS FAN (ZONE 224)	V76374	01 R
HI911	1610-128-050A7		. CIRCUIT BREAKER GYRO (ZONE 224)	V76374	01 R
HI916	MS26574-5		. CIRCUIT BREAKER AUTOPILOT (ZONE 224)		01 R
PC012	S2035-1		. CONNECTOR AVIONICS CIRCUIT BREAKER PANEL		01 R
			DISCONNECT (ZONE 224)		
-	S1635-2		. . PIN		ARR
PI901	S2349-1		. CONNECTOR AVIONICS CIRCUIT BREAKER PANEL (ZONE 224) .		01 R
-	S2099-3		. . CONTACT		ARR
-	S2099-4		. . CONTACT		ARR

• ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY

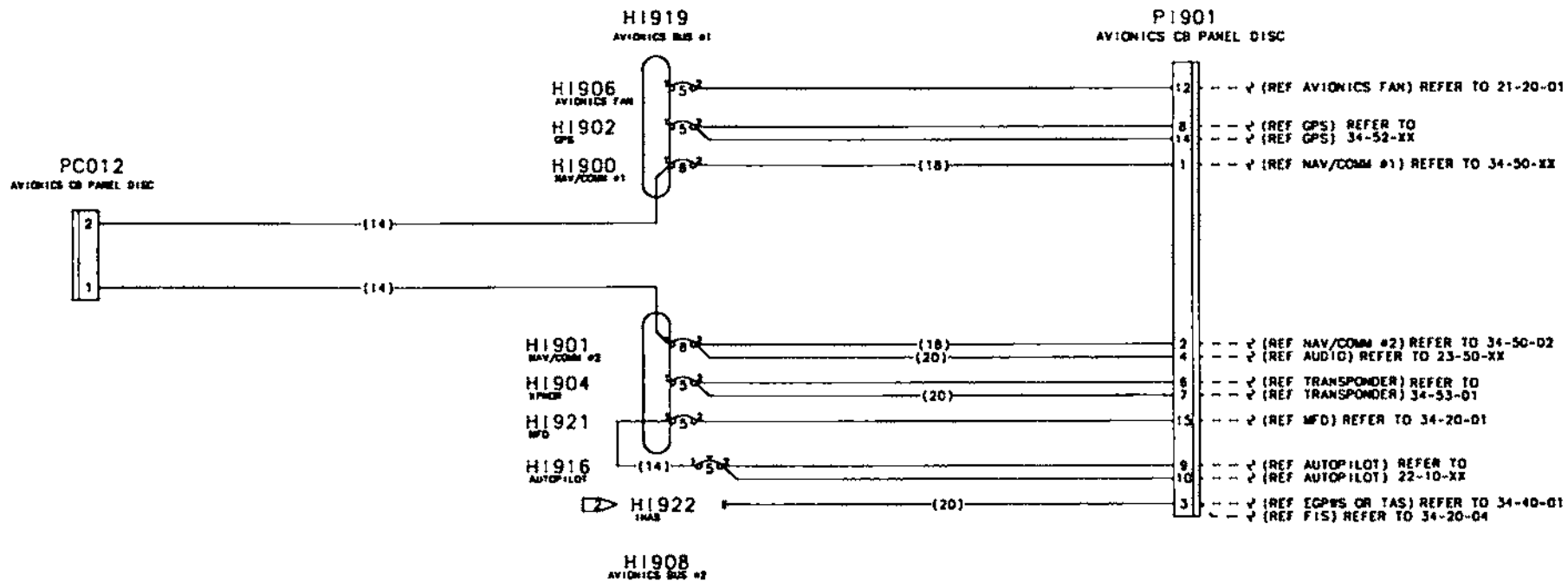
MODEL 172

WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
		1 2 3 4 5 6 7		
01		AVIONICS CIRCUIT BREAKER PANEL		
		172B0984 & ON		
		172S8704 & ON		
		NAV II W/HSI, ADF		
HI900	1610-128-080A7	. CIRCUIT BREAKER NAV/COMM #1 (ZONE 224)	V76374	01 R
HI901	1610-128-080A7	. CIRCUIT BREAKER NAV/COMM #2 (ZONE 224)	V76374	01 R
HI902	1610-128-050A7	. CIRCUIT BREAKER GPS (ZONE 224)	V76374	01 R
HI903	1610-128-050A7	. CIRCUIT BREAKER ADF #1 (ZONE 224)	V76374	01 R
HI904	1610-128-050A7	. CIRCUIT BREAKER TRANSPONDER (ZONE 224)	V76374	01 R
HI906	1610-128-050A7	. CIRCUIT BREAKER AVIONICS FAN (ZONE 224)	V76374	01 R
HI911	1610-128-050A7	. CIRCUIT BREAKER GYRO (ZONE 224)	V76374	01 R
HI916	MS26574-5	. CIRCUIT BREAKER AUTOPILOT (ZONE 224)		01 R
PC012	S2035-1	. CONNECTOR AVIONICS CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01 R
-	S1635-2	. . PIN		ARR
P1901	S2349-1	. CONNECTOR AVIONICS CIRCUIT BREAKER PANEL (ZONE 224) .		01 R
-	S2099-3	. . CONTACT		ARR
-	S2099-4	. . CONTACT		ARR

- ITEM NOT ILLUSTRATED

NOTES:
1. ALL WIRE 22 GAUGE UNLESS OTHERWISE NOTED.
2. CAP AND STOW WIRE NEAR H1906.



AVIONICS CIRCUIT BREAKER PANEL
Figure 01 (Sheet 1)

3929134A1

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

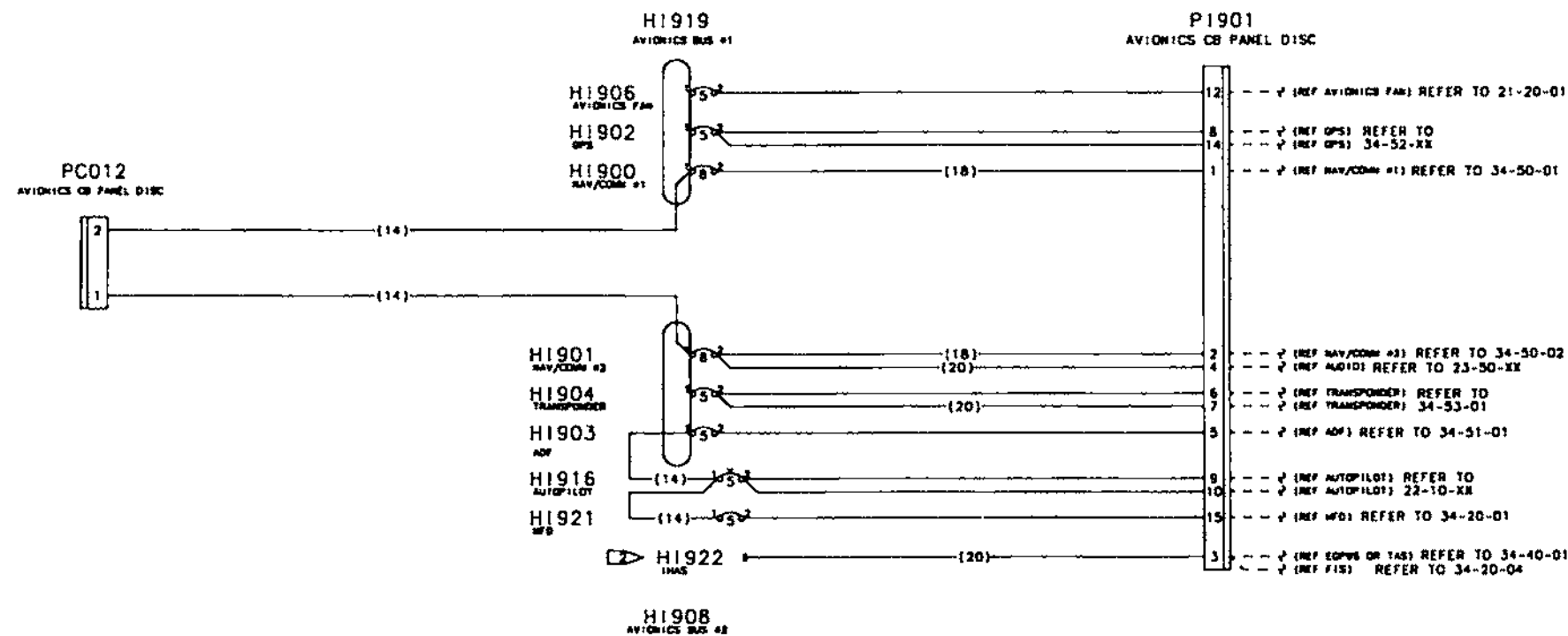
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
		1 2 3 4 5 6 7			
01			AVIONICS CIRCUIT BREAKER PANEL		
			17281098 & ON		
			172S9063 & ON		
			NAV II W/MFD		
	H1900	1610-128-080A7	. CIRCUIT BREAKER NAV/COMM #1 (ZONE 224)	V76374	01 R
	H1901	1610-128-080A7	. CIRCUIT BREAKER NAV/COMM #2 (ZONE 224)	V76374	01 R
	H1902	1610-128-050A7	. CIRCUIT BREAKER GPS (ZONE 224)	V76374	01 R
	H1904	1610-128-050A7	. CIRCUIT BREAKER TRANSPONDER (ZONE 224)	V76374	01 R
	H1906	1610-128-050A7	. CIRCUIT BREAKER AVIONICS FAN (ZONE 224)	V76374	01 R
	H1916	MS26574-5	. CIRCUIT BREAKER AUTOPILOT (ZONE 224)		01 R
	H1921	1610-128-050A7	. CIRCUIT BREAKER MFD		01 R
	H1922	1610-128-050A7	. CIRCUIT BREAKER IHAS		01 R
	PC012	S2035-1	. CONNECTOR AVIONICS CIRCUIT BREAKER PANEL		01 R
			DISCONNECT (ZONE 224)		
-		S1635-2	. . PIN		AR R
-	PI901	S2349-1	. CONNECTOR AVIONICS CIRCUIT BREAKER PANEL (ZONE 224) .		01 R
-		S2099-3	. . CONTACT		AR R
-		S2099-4	. . CONTACT		AR R

- ITEM NOT ILLUSTRATED

Figure 01

Page 1

NOTES:
1. ALL WIRE 22 GAUGE UNLESS OTHERWISE NOTED.
CAP AND STOW WIRE NEAR H1906.



3929135_1

AVIONICS CIRCUIT BREAKER PANEL
Figure 01 (Sheet 1)

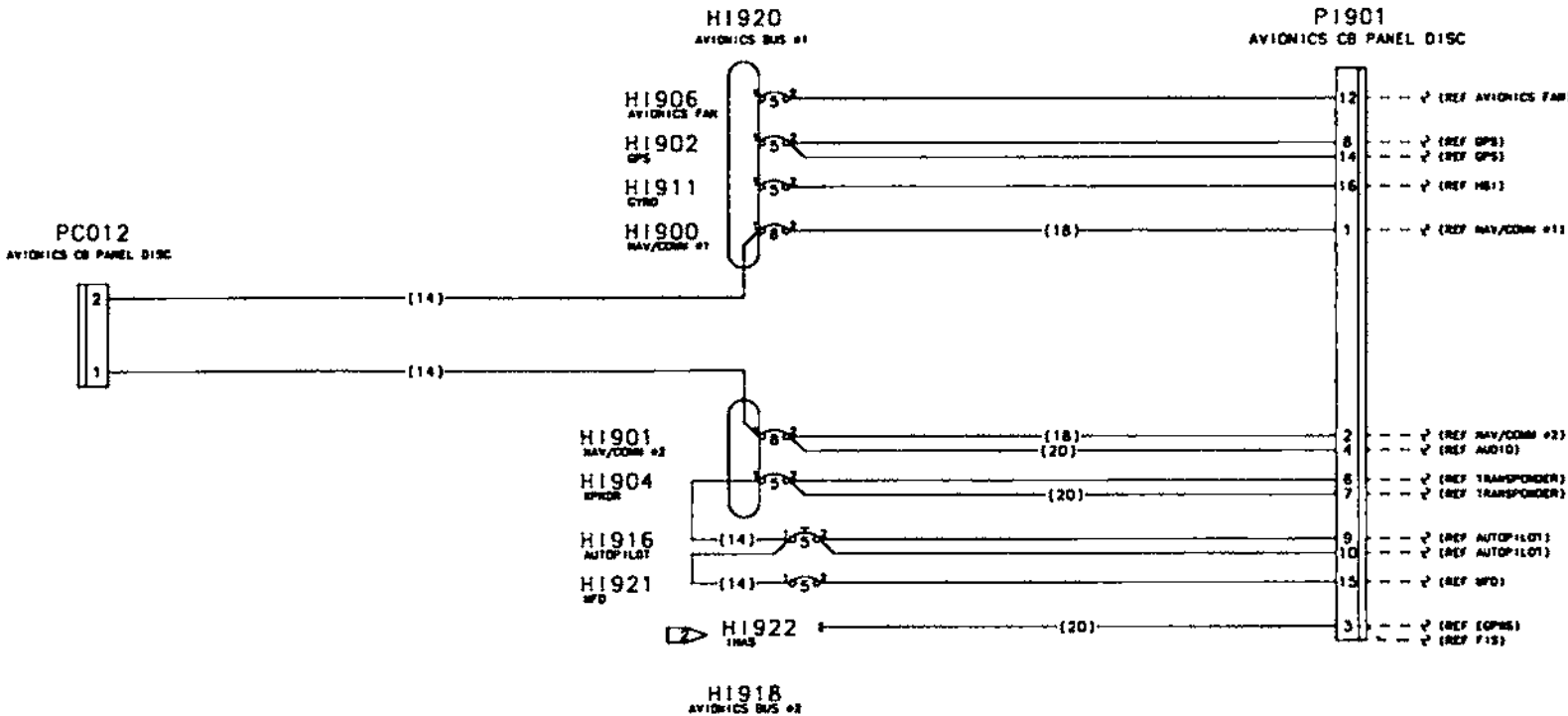
CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
		1 2 3 4 5 6 7			
01			AVIONICS CIRCUIT BREAKER PANEL		
			17281098 & ON		
			172S9063 & ON		
			NAV II W ADF, MFD		
H1900	1610-128-080A7		CIRCUIT BREAKER NAV/COMM #1 (ZONE 224)	V76374	01 R
H1901	1610-128-080A7		CIRCUIT BREAKER NAV/COMM #2 (ZONE 224)	V76374	01 R
H1902	1610-128-050A7		CIRCUIT BREAKER GPS (ZONE 224)	V76374	01 R
H1903	1610-128-050A7		CIRCUIT BREAKER ADF #1 (ZONE 224)	V76374	01 R
H1904	1610-128-050A7		CIRCUIT BREAKER TRANSPONDER (ZONE 224)	V76374	01 R
H1906	1610-128-050A7		CIRCUIT BREAKER AVIONICS FAN (ZONE 224)	V76374	01 R
H1916	MS26574-5		CIRCUIT BREAKER AUTOPILOT (ZONE 224)		01 R
H1921	1610-128-050A7		CIRCUIT BREAKER MFD		01 R
H1922	1610-128-050A7		CIRCUIT BREAKER IHAS		01 R
PC012	S2035-1		CONNECTOR AVIONICS CIRCUIT BREAKER PANEL		01 R
			DISCONNECT (ZONE 224)		
-	S1635-2		. . PIN		ARR
P1901	S2349-1		CONNECTOR AVIONICS CIRCUIT BREAKER PANEL (ZONE 224) .		01 R
-	S2099-3		. . CONTACT		ARR
-	S2099-4		. . CONTACT		ARR

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

NOTES:
1. ALL WIRE 22 GAUGE UNLESS OTHERWISE NOTED.
CAP AND STOW WIRE NEAR H1906.



AVIONICS CIRCUIT BREAKER PANEL
Figure 01 (Sheet 1)

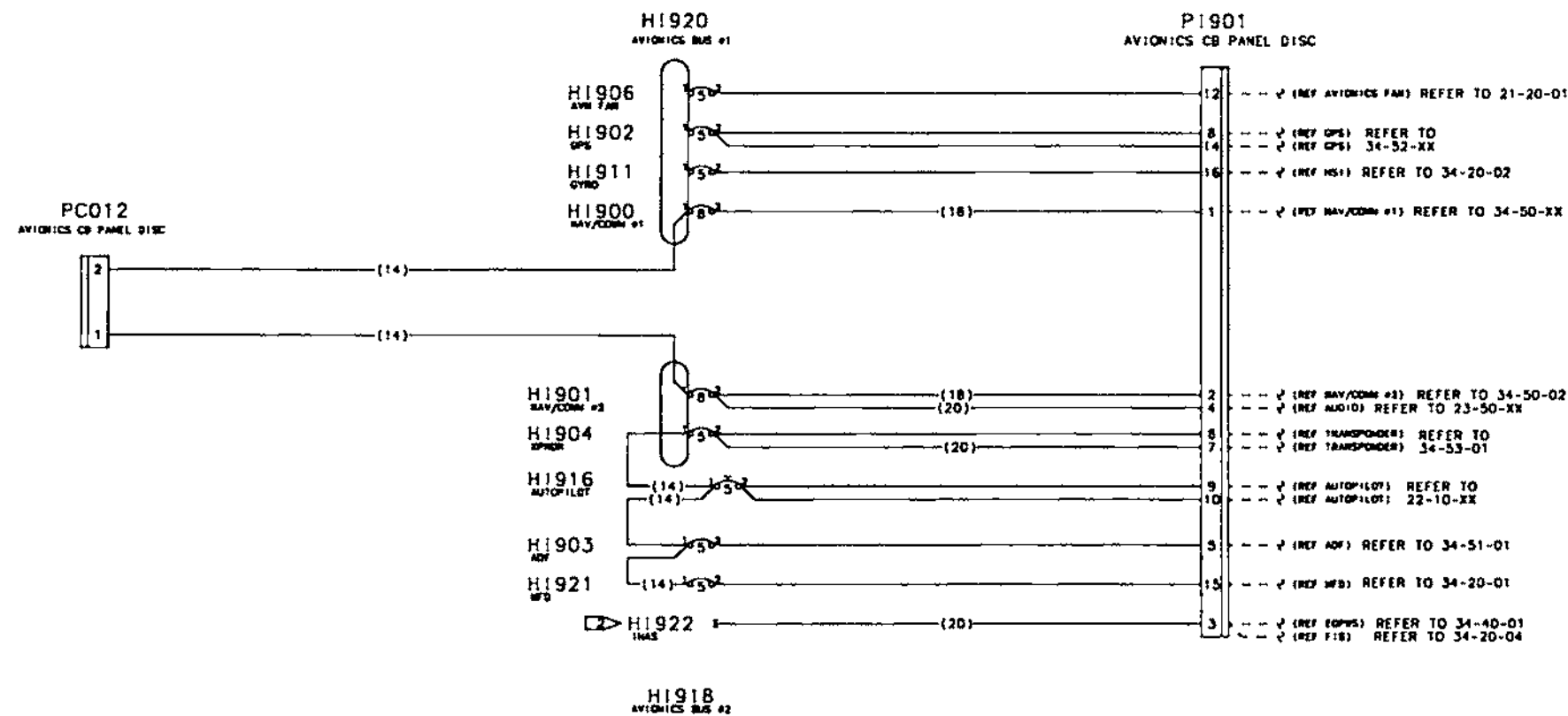
3929136_1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
		1 2 3 4 5 6 7			
01			AVIONICS CIRCUIT BREAKER PANEL		
			17281098 & ON		
			172S9063 & ON		
			NAV II W/HSI, MFD		
	HI900	1610-128-080A7	. CIRCUIT BREAKER NAV/COMM #1 (ZONE 224)	V76374	01 R
	HI901	1610-128-080A7	. CIRCUIT BREAKER NAV/COMM #2 (ZONE 224)	V76374	01 R
	HI902	1610-128-050A7	. CIRCUIT BREAKER GPS (ZONE 224)	V76374	01 R
	HI904	1610-128-050A7	. CIRCUIT BREAKER TRANSPONDER (ZONE 224)	V76374	01 R
	HI906	1610-128-050A7	. CIRCUIT BREAKER AVIONICS FAN (ZONE 224)	V76374	01 R
	HI911	1610-128-050A7	. CIRCUIT BREAKER GYRO (ZONE 224)	V76374	01 R
	HI916	MS26574-5	. CIRCUIT BREAKER AUTOPILOT (ZONE 224)		01 R
	HI921	1610-128-050A7	. CIRCUIT BREAKER MFD		01 R
	HI922	1610-128-050A7	. CIRCUIT BREAKER IHAS		01 R
	PC012	S2035-1	. CONNECTOR AVIONICS CIRCUIT BREAKER PANEL		01 R
			DISCONNECT (ZONE 224)		
-		S1635-2	. . PIN		ARR
-	PI901	S2349-1	. CONNECTOR AVIONICS CIRCUIT BREAKER PANEL (ZONE 224) .		01 R
-		S2099-3	. . CONTACT		ARR
-		S2099-4	. . CONTACT		ARR

- ITEM NOT ILLUSTRATED

NOTES:
1. ALL WIRE 22 GAUGE UNLESS OTHERWISE NOTED.
CAP AND STOW WIRE NEAR H1906.



AVIONICS CIRCUIT BREAKER PANEL
Figure 01 (Sheet 1)

3929137_1

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

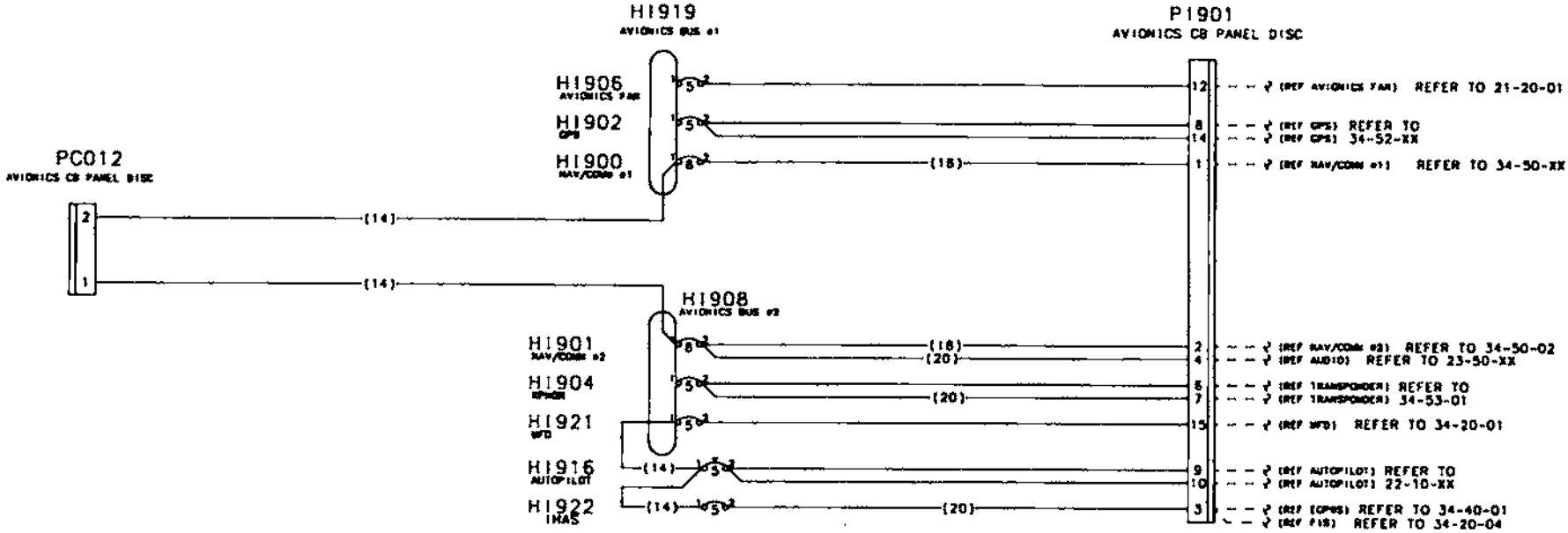
FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
		1234567		
01		AVIONICS CIRCUIT BREAKER PANEL		
		17281098 & ON		
		172S9063 & ON		
		NAV II W/HSI, MFD, ADF		
HI900	1610-128-080A7	CIRCUIT BREAKER NAV/COMM #1 (ZONE 224)	V76374	01 R
HI901	1610-128-080A7	CIRCUIT BREAKER NAV/COMM #2 (ZONE 224)	V76374	01 R
HI902	1610-128-050A7	CIRCUIT BREAKER GPS (ZONE 224)	V76374	01 R
HI903	1610-128-050A7	CIRCUIT BREAKER ADF #1 (ZONE 224)	V76374	01 R
HI904	1610-128-050A7	CIRCUIT BREAKER TRANSPONDER (ZONE 224)	V76374	01 R
HI906	1610-128-050A7	CIRCUIT BREAKER AVIONICS FAN (ZONE 224)	V76374	01 R
HI911	1610-128-050A7	CIRCUIT BREAKER GYRO (ZONE 224)	V76374	01 R
HI916	MS26574-5	CIRCUIT BREAKER AUTOPILOT (ZONE 224)		01 R
HI921	1610-128-050A7	CIRCUIT BREAKER MFD		01 R
HI922	1610-128-050A7	CIRCUIT BREAKER IHAS		01 R
PC012	S2035-1	CONNECTOR AVIONICS CIRCUIT BREAKER PANEL		01 R
		DISCONNECT (ZONE 224)		
-	S1635-2	. . PIN		ARR
PI901	S2349-1	CONNECTOR AVIONICS CIRCUIT BREAKER PANEL (ZONE 224) .		01 R
-	S2099-3	. . CONTACT		ARR
-	S2099-4	. . CONTACT		ARR

- ITEM NOT ILLUSTRATED

Figure 01

Page 1

NOTES:
1. ALL WIRE 22 GAUGE UNLESS OTHERWISE NOTED.



AVIONICS CIRCUIT BREAKER PANEL
Figure 01 (Sheet 1)

3929149_1

CESSNA AIRCRAFT COMPANY

MODEL 172

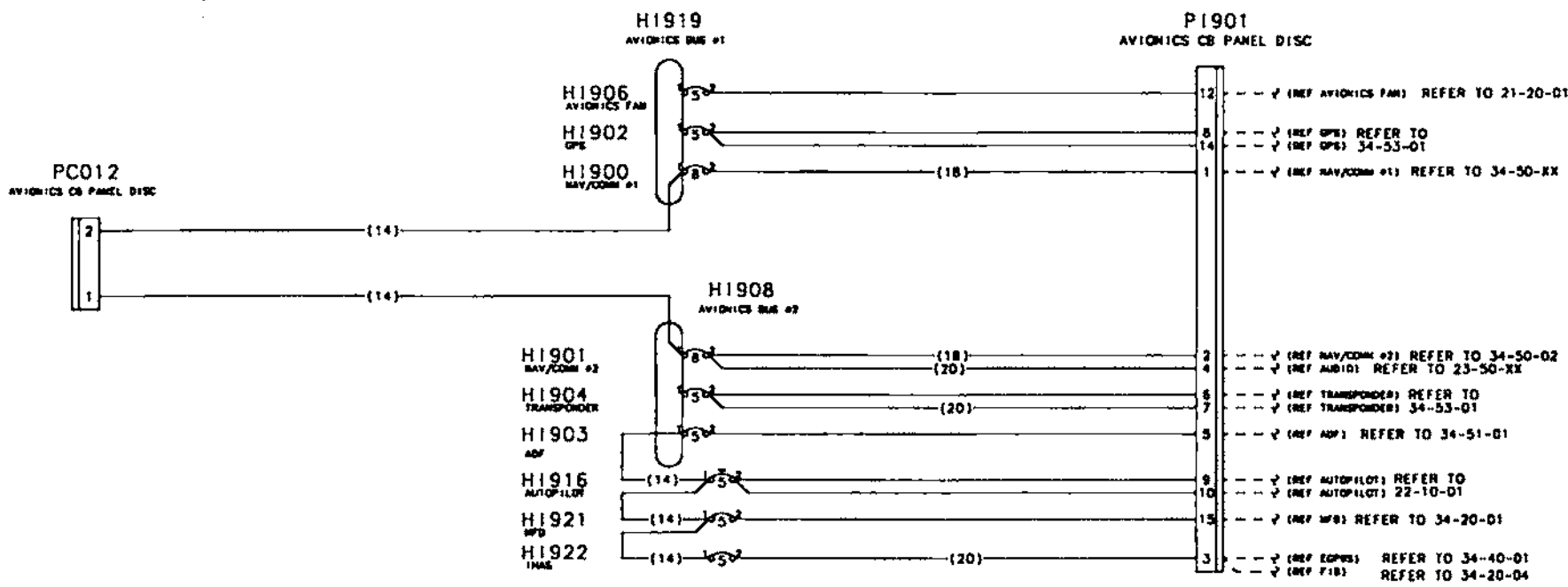
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
01			AVIONICS CIRCUIT BREAKER PANEL		
			17281201 & ON		
			172S9569 & ON		
			NAV II W/MFD		
HI900	1610-128-080A7		. CIRCUIT BREAKER NAV/COMM #1 (ZONE 224)	V76374	01 R
HI901	1610-128-080A7		. CIRCUIT BREAKER NAV/COMM #2 (ZONE 224)	V76374	01 R
HI902	1610-128-050A7		. CIRCUIT BREAKER GPS (ZONE 224)	V76374	01 R
HI904	1610-128-050A7		. CIRCUIT BREAKER TRANSPONDER (ZONE 224)	V76374	01 R
HI906	1610-128-050A7		. CIRCUIT BREAKER AVIONICS FAN (ZONE 224)	V76374	01 R
HI916	MS26574-5		. CIRCUIT BREAKER AUTOPILOT (ZONE 224)		01 R
HI921	1610-128-050A7		. CIRCUIT BREAKER MFD		01 R
HI922	1610-128-050A7		. CIRCUIT BREAKER IHAS		01 R
PC012	S2035-1		. CONNECTOR AVIONICS CIRCUIT BREAKER PANEL		01 R
			DISCONNECT (ZONE 224)		
-	S1635-2		. . PIN		AR R
PI901	S2349-1		. CONNECTOR AVIONICS CIRCUIT BREAKER PANEL (ZONE 224) .		01 R
-	S2099-3		. . CONTACT		AR R
-	S2099-4		. . CONTACT		AR R

- ITEM NOT ILLUSTRATED

Figure 01
Page 1

NOTES:
1. ALL WIRE 22 GAUGE UNLESS OTHERWISE NOTED.



3929150_1

AVIONICS CIRCUIT BREAKER PANEL
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
			1234567		
01			AVIONICS CIRCUIT BREAKER PANEL		
			17281201 & ON		
			172S9569 & ON		
	HI900	1610-128-080A7	. CIRCUIT BREAKER NAV/COMM #1 (ZONE 224)	V76374	01 R
	HI901	1610-128-080A7	. CIRCUIT BREAKER NAV/COMM #2 (ZONE 224)	V76374	01 R
	HI902	1610-128-050A7	. CIRCUIT BREAKER GPS (ZONE 224)	V76374	01 R
	HI903	1610-128-050A7	. CIRCUIT BREAKER ADF #1 (ZONE 224)	V76374	01 R
	HI904	1610-128-050A7	. CIRCUIT BREAKER TRANSPONDER (ZONE 224)	V76374	01 R
	HI906	1610-128-050A7	. CIRCUIT BREAKER AVIONICS FAN (ZONE 224)	V76374	01 R
	HI916	MS26574-5	. CIRCUIT BREAKER AUTOPILOT (ZONE 224)		01 R
	HI921	1610-128-050A7	. CIRCUIT BREAKER MFD		01 R
	HI922	1610-128-050A7	. CIRCUIT BREAKER IHAS		01 R
	PC012	S2035-1	. CONNECTOR AVIONICS CIRCUIT BREAKER PANEL		01 R
			DISCONNECT (ZONE 224)		
-		S1635-2	. . PIN		AR R
-	PI901	S2349-1	. CONNECTOR AVIONICS CIRCUIT BREAKER PANEL (ZONE 224) .		01 R
-		S2099-3	. . CONTACT		AR R
-		S2099-4	. . CONTACT		AR R

- ITEM NOT ILLUSTRATED

CHAPTER

25

**EQUIPMENT/
FURNISHINGS**

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

<u>CHAPTER SECTION SUBJECT</u>	<u>NUMBER OF PAGES</u>	<u>DATE</u>
25-Title	1	
25-List of Effective Pages	1	Jan 1/2007
25-Record of Revisions	1	
25-Contents	1	Jan 1/2007
25-60-01	Figure 01	2 Jan 20/2006
	Figure 02	2 Jan 20/2006
	Figure 03	2 Jan 20/2006
	Figure 04	2 Jan 20/2006
	Figure 05	2 Jan 20/2006
25-60-02	Figure 01	2 Jan 1/2007 Added
25-60-03	Figure 01	2 Jan 1/2007 Added
25-60-04	Figure 01	2 Jan 1/2007 Added
25-60-05	Figure 01	2 Jan 1/2007 Added
25-60-06	Figure 01	2 Jan 1/2007 Added

RECORD OF REVISIONS

[illegible]

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

<u>SUBJECT</u>	<u>CHAPTER/ SECTION/ SUBJECT</u>	<u>FIGURE</u>	<u>EFFECTIVITY</u> <u>START</u> <u>END</u>
EMERGENCY LOCATOR TRANSMITTER	25-60-01	01	
EMERGENCY LOCATOR TRANSMITTER	25-60-01	02	
EMERGENCY LOCATOR TRANSMITTER	25-60-01	03	
EMERGENCY LOCATOR TRANSMITTER	25-60-01	04	
EMERGENCY LOCATOR TRANSMITTER	25-60-01	05	
ARTEX C406-N ELT - STANDARD, NAV I, NAV II	25-60-02	01	
ARTEX C406-N ELT ADAPTER HARNESS - STANDARD, NAV I, NAV II	25-60-03	01	
ARTEX C406-N ELT PROVISIONS - WITH NAV III	25-60-04	01	
ARTEX C406-N ELT ADAPTER HARNESS - WITH NAV III	25-60-05	01	
ARTEX C406-N ELT - WITH NAV III	25-60-06	01	

NOTES:

THE SWITCH/INDICATOR IS SUPPLIED WITH THE ELT SYSTEM. IT COMES WITH A 1/4 WATT RESISTOR MOUNTED ON IT. REFER TO THE SKETCH BELOW FOR PIN NUMBERS:

1

2

3

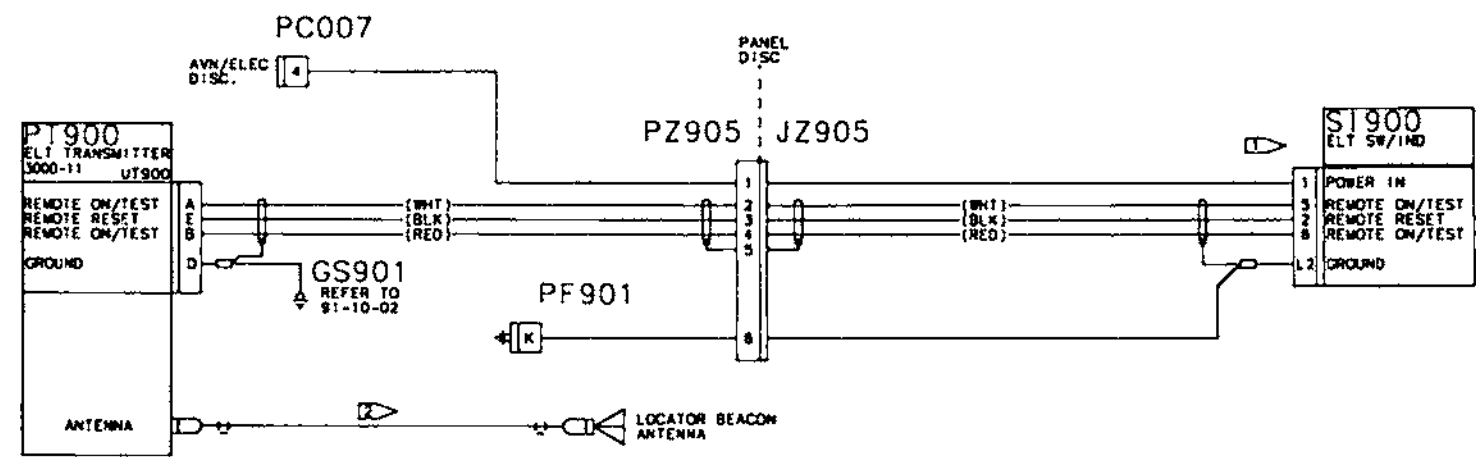
4

5

6

THE ANTENNA AND CABLE ARE SUPPLIED WITH THE ELT TRANSMITTER.

3. ALL WIRE 22AWG UNLESS OTHERWISE NOTED.



3929102_1

EMERGENCY LOCATOR TRANSMITTER
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
01			EMERGENCY LOCATOR TRANSMITTER		
			17280001 THRU 17280003		
	GS901	3910276-2	. GROUND STUD (ZONE 310)		01 R
	JZ905	LMD-4001-P	. CONNECTOR INSTRUMENT PANEL DISCONNECT (ZONE 221)	V49367 80001 81097	01 R
				8001 9062	
-		LMD-4020-96LD	. . PIN	V49367	AR R
	PC007	S1640-9	. CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220).		01 R
-		S1635-1	. . PIN		AR R
	PF901	S2526-1	. CONNECTOR GROUND		01 R
-		S2099-4	. . CONTACT		AR R
	PT900		. CONNECTOR ELT TRANSMITTER DISCONNECT (ZONE 310)		RF R
	PZ905	LMD-4001-S	. CONNECTOR SWITCH/INDICATOR PANEL DISCONNECT (ZONE 221)	V49367 80001 81097	01 R
				8001 9062	
-		LMD-4120-96LD	. . SOCKET	V49367	AR R
-		LMS01T-TL	. . SPLICE CONNECTOR	V49367	01 R
	SI900	3929110-2	. INDICATOR ELT SWITCH (ZONE 221).	80001 80983	01 R
				8001 8703	
	UT900	3000-11	. TRANSMITTER ELT (ZONE 310)		01 R

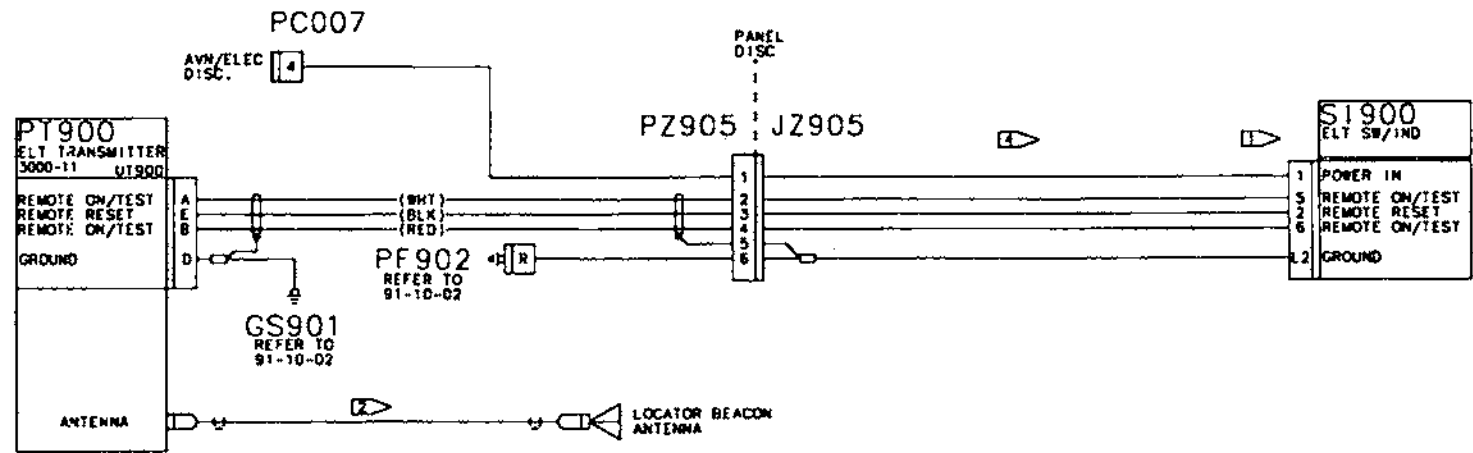
- ITEM NOT ILLUSTRATED

Figure 01

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

- NOTES:
- 1 THE SWITCH/INDICATOR IS SUPPLIED WITH THE ELT SYSTEM. IT COMES WITH A 1/4 WATT RESISTOR MOUNTED ON IT. REFER TO THE SKETCH BELOW FOR PIN NUMBERS:
-
- 2 THE ANTENNA AND CABLE ARE SUPPLIED WITH THE ELT TRANSMITTER.
 - 3. ALL WIRE 22AWG UNLESS OTHERWISE NOTED.
 - 4 THE WIRE LENGTH FROM THE BACK OF JZ905 & S1900 TO BE 2.5' +/- 0.5'.



392911081

EMERGENCY LOCATOR TRANSMITTER
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

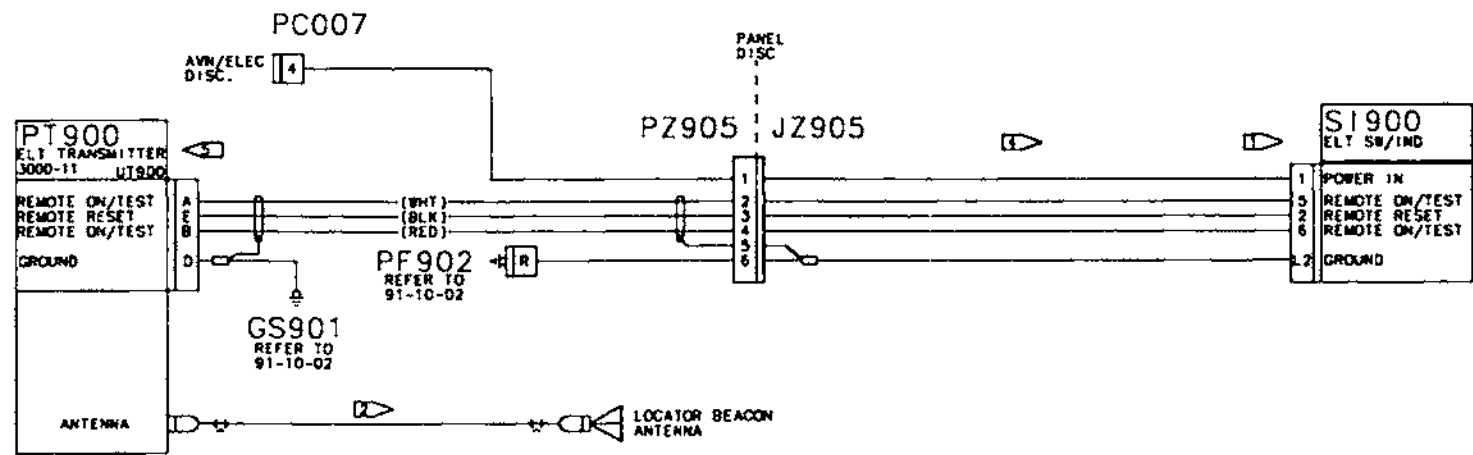
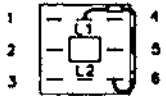
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
02			EMERGENCY LOCATOR TRANSMITTER		
			17280004 THRU 17280983		
			172S8001 THRU 172S8703		
			STANDARD, NAV I, NAV II		
GS901	3910276-2		GROUND STUD (ZONE 310)		01 R
JZ905	LMD-4001-P		CONNECTOR INSTRUMENT PANEL DISCONNECT (ZONE 221)	V49367 80001 81097	01 R
				8001 9062	
-	LMD-4020-96LD		. . . PIN	V49367	AR R
PC007	S1640-9		CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220).		01 R
-	S1635-1		. . . PIN		AR R
PF902	SK2701		CONNECTOR GROUND (ZONE 221)	V28198	01 R
-	FC116N2		. . . CONTACT		AR R
-	FC120N2		. . . CONTACT	V28198	AR R
PT900			CONNECTOR ELT TRANSMITTER DISCONNECT (ZONE 310).		RF R
PZ905	LMD-4001-S		CONNECTOR SWITCH/INDICATOR PANEL DISCONNECT (ZONE 221)	V49367 80001 81097	01 R
				8001 9062	
-	LMD-4120-96LD		. . . SOCKET	V49367	AR R
-	LMS01T-TL		. . . SPLICE CONNECTOR	V49367	01 R
SI900	3929110-2		INDICATOR ELT SWITCH (ZONE 221).	80001 80983	01 R
				8001 8703	
UT900	3000-11		TRANSMITTER ELT (ZONE 310)		01 R

- ITEM NOT ILLUSTRATED

Figure 02

Page 1

- NOTES:
- 1 THE SWITCH/INDICATOR IS SUPPLIED WITH THE ELT SYSTEM. IT COMES WITH A 1/4 WATT RESISTOR MOUNTED ON IT. REFER TO THE SKETCH BELOW FOR PIN NUMBERS:
 - 2 THE ANTENNA AND CABLE ARE SUPPLIED WITH THE ELT TRANSMITTER.
 - 3. ALL WIRE 22AWG UNLESS OTHERWISE NOTED.
 - 4 THE WIRE LENGTH FROM THE BACK OF JZ905 & S1900 TO BE 2.5' +/- 0.5'.



3929123A1

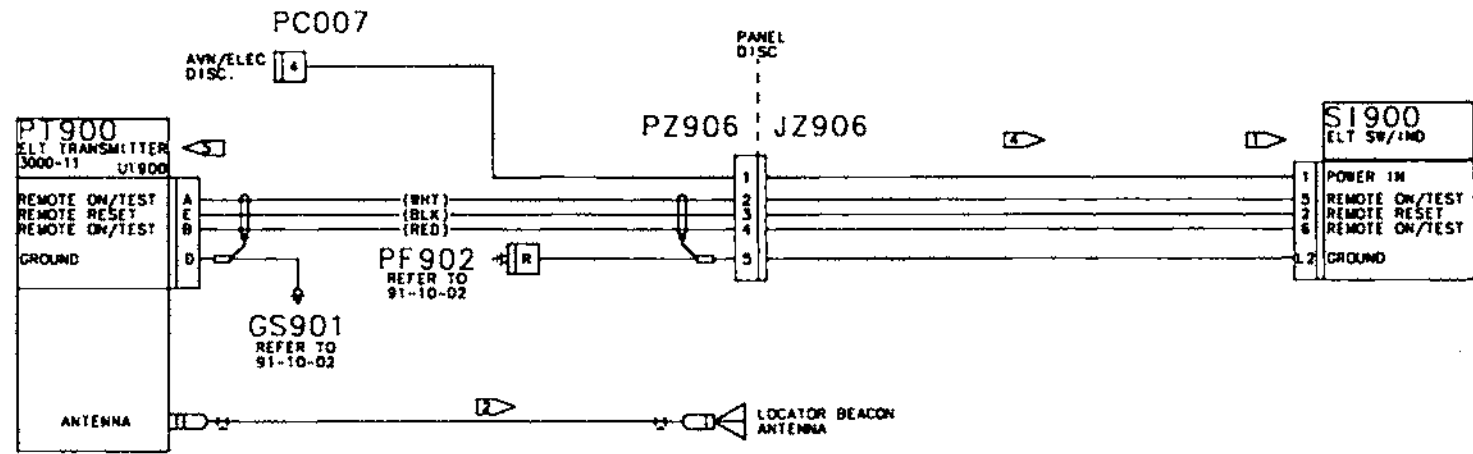
EMERGENCY LOCATOR TRANSMITTER
Figure 03 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
03			EMERGENCY LOCATOR TRANSMITTER		
			17280984 THRU 17281097		
			172S8704 THRU 172SS9062		
			STANDARD, NAV I, NAV I W/ADF		
	GS901	3910276-2	GROUND STUD (ZONE 310)		01 R
	JZ905	LMD-4001-P	CONNECTOR INSTRUMENT PANEL DISCONNECT (ZONE 221)	V49367 80001 81097	01 R
				8001 9062	
		LMD-4020-96LD	. . . PIN	V49367	AR R
	PC007	S1640-9	CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220).		01 R
		S1635-1	. . . PIN		AR R
	PF902	SK2701	CONNECTOR GROUND (ZONE 221)	V28198	01 R
		FC116N2	. . . CONTACT		AR R
		FC120N2	. . . CONTACT	V28198	AR R
	PT900		CONNECTOR ELT TRANSMITTER DISCONNECT (ZONE 310).		RF R
	PZ905	LMD-4001-S	CONNECTOR SWITCH/INDICATOR PANEL DISCONNECT (ZONE 221)	V49367 80001 81097	01 R
				8001 9062	
		LMD-4120-96LD	. . . SOCKET	V49367	AR R
		LMS01T-TL	. . . SPLICE CONNECTOR	V49367	01 R
	S1900	3929123-2	SWITCH ELT (ZONE 221)	80984 81097	01 R
				8704 9062	
	UT900	3000-11	TRANSMITTER ELT (ZONE 310)		01 R

- ITEM NOT ILLUSTRATED

- NOTES:
- 1 THE SWITCH/INDICATOR IS SUPPLIED WITH THE ELT SYSTEM. IT COMES WITH A 1/4 WATT RESISTOR MOUNTED ON IT. REFER TO THE SKETCH BELOW FOR PIN NUMBERS:
- A rectangular component with six pins. Pin 1 is at the top left, pin 2 at the bottom left, pin 3 at the bottom right, pin 4 at the top right, pin 5 is in the middle left, and pin 6 is in the middle right. A resistor is mounted on the component between pins 5 and 6.
- 2 THE ANTENNA AND CABLE ARE SUPPLIED WITH THE ELT TRANSMITTER.
 - 3. ALL WIRE 22AWG UNLESS OTHERWISE NOTED.
 - 4 THE WIRE LENGTH FROM THE BACK OF JZ905 & S1900 TO BE 2.5" +/- 0.5".



3929138_1

EMERGENCY LOCATOR TRANSMITTER
Figure 04 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

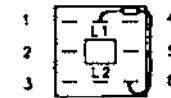
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
04			EMERGENCY LOCATOR TRANSMITTER		
			17281098 & ON		
			172S9063 & ON		
			STANDARD, NAV I, NAV I W/ADF		
	GS901	3910276-2	. GROUND STUD (ZONE 310)		01 R
	JZ906	S3556-12	. CONNECTOR ELT PANEL DISCONNECT (ZONE 220).	81098 & ON 9063 & ON	01 R
		S3556-21	. . . PIN		AR R
	PC007	S1640-9	. CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220).		01 R
		S1635-1	. . . PIN		AR R
	PF902	SK2701	. CONNECTOR GROUND (ZONE 221)	V28198	01 R
		FC116N2	. . . CONTACT		AR R
		FC120N2	. . . CONTACT	V28198	AR R
	PT900		. CONNECTOR ELT TRANSMITTER DISCONNECT (ZONE 310).		RF R
	PZ906	S3556-5	. CONNECTOR SWITCH/INDICATOR PANEL DISCONNECT (ZONE 221)		01 R
		S3556-25	. . . SOCKET		AR R
	SI900	3929138-2	. INDICATOR ELT SWITCH (ZONE 221).	81098 & ON 9063 & ON	01 R
	UT900	3000-11	. TRANSMITTER ELT (ZONE 310)		01 R

- ITEM NOT ILLUSTRATED

NOTES:

1 THE SWITCH/INDICATOR IS SUPPLIED WITH THE ELT SYSTEM.
IT COMES WITH A 1/4 WATT RESISTOR MOUNTED ON IT.
REFER TO THE SKETCH BELOW FOR PIN NUMBERS:

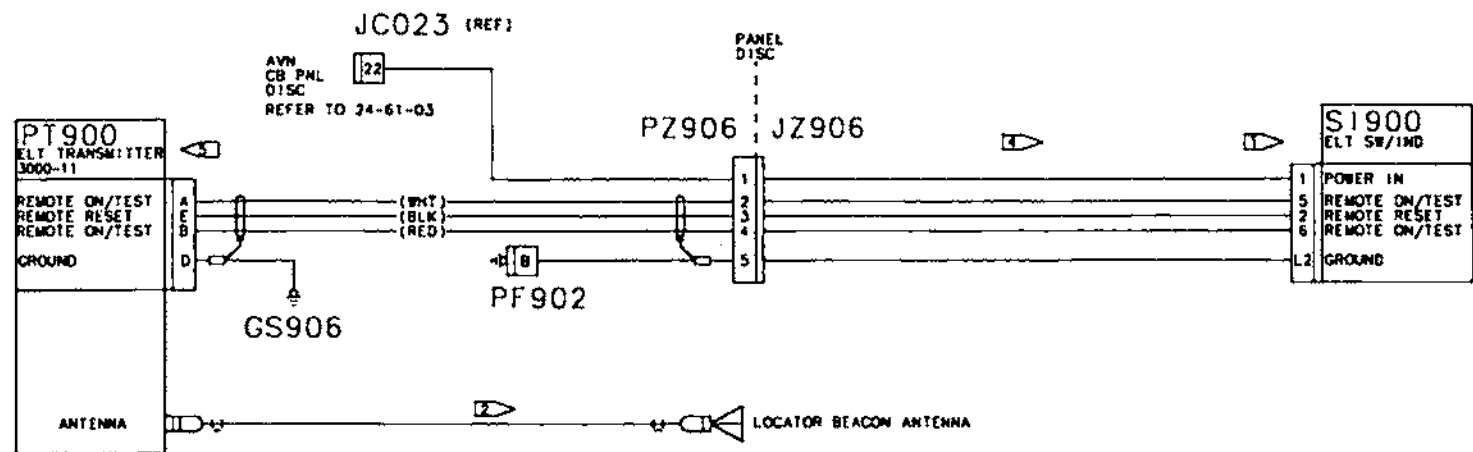


2 THE ANTENNA AND CABLE ARE SUPPLIED WITH THE ELT ANTENNA KIT.

3. ALL WIRE 22AWG UNLESS OTHERWISE NOTED.

4 THE WIRE LENGTH FROM THE BACK OF JZ906 & S1900 TO BE 2.5" +/- 0.5".

5 CONNECTOR SUPPLIED WITH ELT KIT.



3929151_1

EMERGENCY LOCATOR TRANSMITTER
Figure 05 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
			1 2 3 4 5 6 7		ASSY
05			EMERGENCY LOCATOR TRANSMITTER		
			17281241& ON		
			172S9810 & ON		
			WITH NAV III OPTION		
	GS906		GROUND		RF R
	JC023	S2350-10	CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)	81241 & ON	01 R
				9810 & ON	
		S2353-5	PIN		AR R
	JZ906	S3556-12	CONNECTOR ELT PANEL DISCONNECT (ZONE 220)	81098 & ON	01 R
				9063 & ON	
		S3556-21	PIN		AR R
	PF902	SK2701	CONNECTOR GROUND (ZONE 221)	V28198	01 R
		FC116N2	CONTACT		AR R
		FC120N2	CONTACT	V28198	AR R
	PT900		CONNECTOR ELT TRANSMITTER DISCONNECT (ZONE 310)		RF R
	PZ906	S3556-5	CONNECTOR SWITCH/INDICATOR PANEL DISCONNECT (ZONE 221)		01 R
		S3556-25	SOCKET		AR R
	SI900	3929138-2	INDICATOR ELT SWITCH (ZONE 221)	81098 & ON	01 R
				9063 & ON	

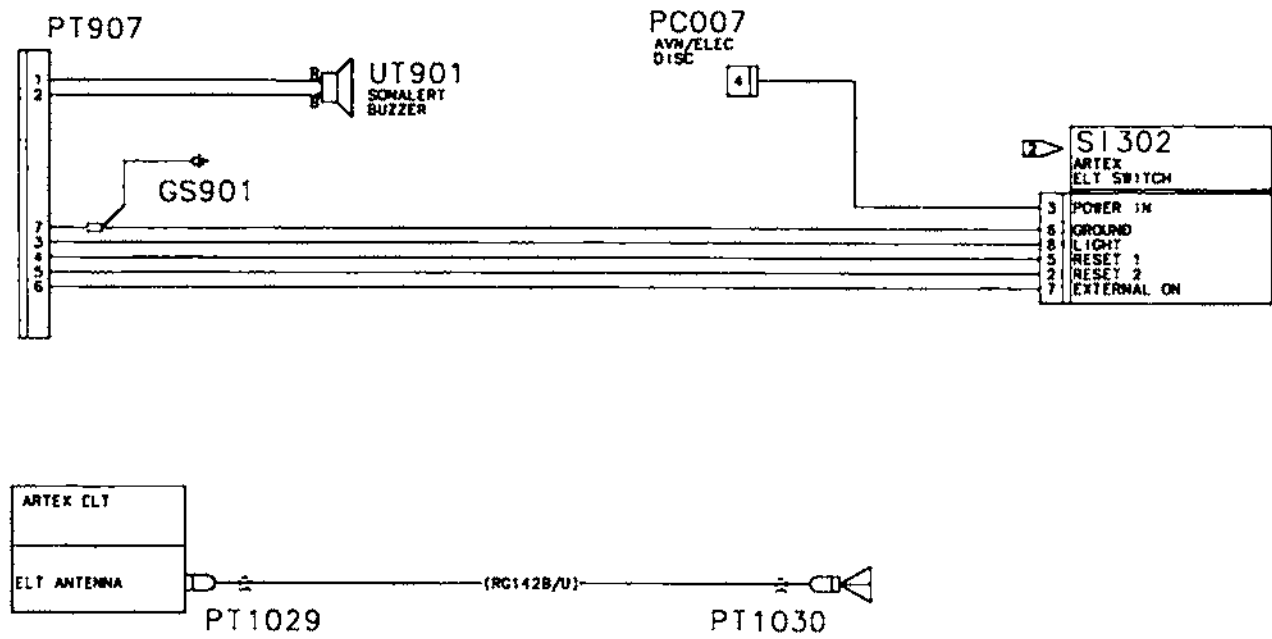
- ITEM NOT ILLUSTRATED

Figure 05

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

NOTES:
1 ALL WIRES 22 GAUGE UNLESS OTHERWISE SPECIFIED.
2 PART OF ARTEX ELT REMOTE SWITCH INSTL KIT 455-6196.



3929160A1

ARTEX C406-N ELT - STANDARD, NAV I, NAV II
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

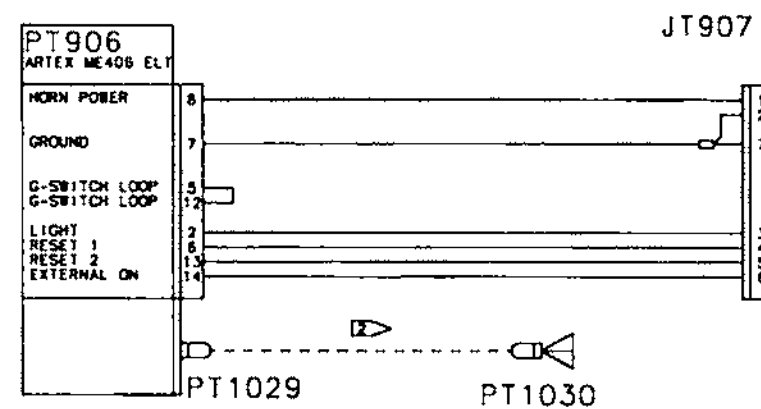
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
	DES			FROM TO	PER ASSY
		1 2 3 4 5 6 7			
01			ARTEX C406-N ELT - STANDARD, NAV I, NAV II		
			17281357 & ON		
			172S10432 & ON		
			ARTEX C406-N ELT ADAPTER HARNESS - STANDARD, NAV I,		
			NAV II		
	GS901	3910276-2	. GROUND STUD (ZONE 310)		01 R
	PC007	S1640-9	. CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220).		01 R
		S1635-1	. . PIN		AR R
	PT1029	UG88C/U	. CONNECTOR		01 R
	PT1030	UG913A/U	. CONNECTOR COAX		01 R
	PT907	S3070-9	. CONNECTOR		01 R
		LMS01T-TL	. . SPLICE CONNECTOR	V49367	01 R
	S1302	455-6196	. ELT REMOTE SWITCH INSTALLATION KIT	V60253	01 R
		151-5009	. . CONNECTOR	V60253	01 R
		151-6628	. . CONTACTS	V60253	06 R
	UT901		. BUZZER SONALERT		RF R

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

NOTES:

1. ALL WIRES ARE 22GA UNLESS OTHERWISE SPECIFIED.
2. ANTENNA CABLE INSTALLED AS PART OF ELT PROVISION INSTL.



ARTEX C406-N ELT ADAPTER HARNESS -
 STANDARD, NAV I, NAV II
 Figure 01 (Sheet 1)

3929155_1

CESSNA AIRCRAFT COMPANY

MODEL 172

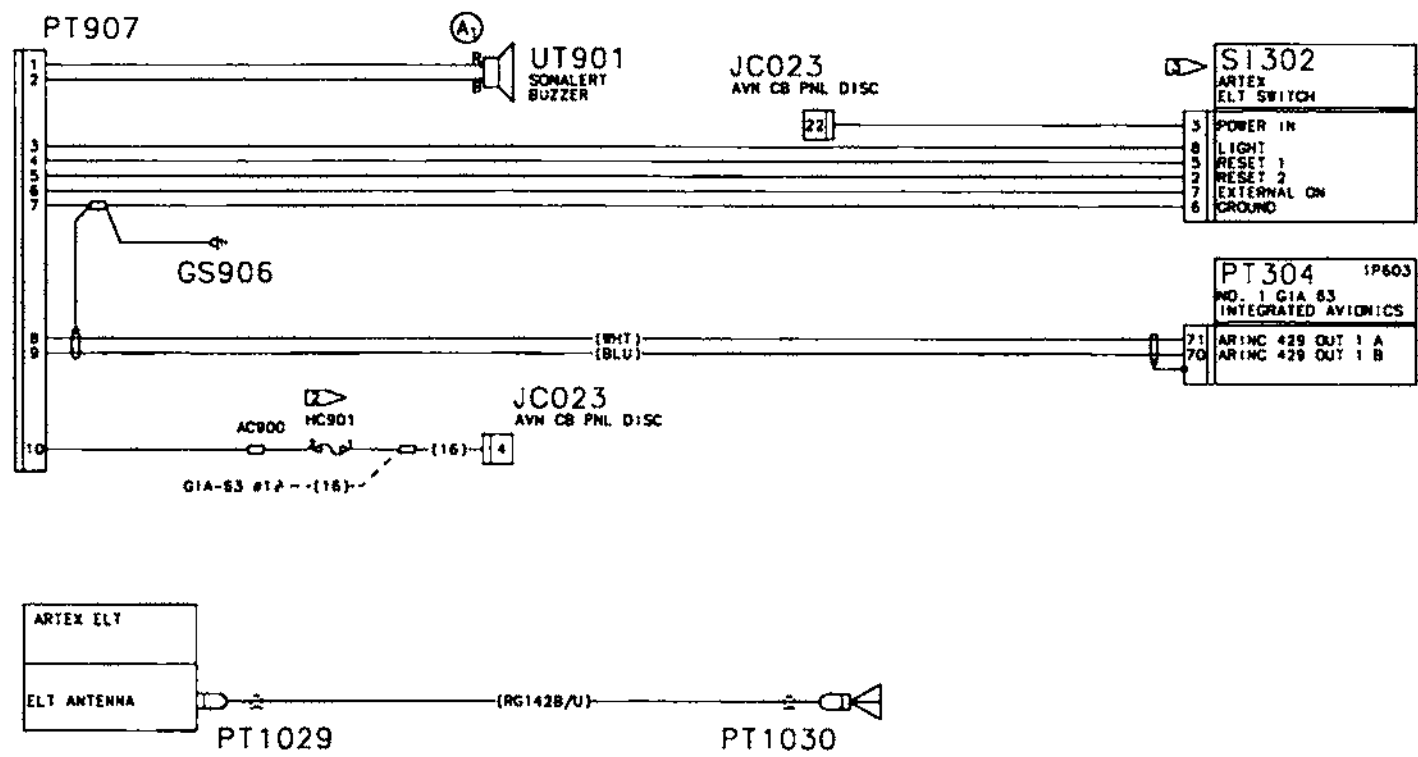
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
01			ARTEX C406-N ELT ADAPTER HARNESS - STANDARD, NAV I, NAV II 172B1357 & ON 172S10432 & ON STANDARD, NAV I, NAV II		
	JT907	S3070-10	. CONNECTOR KIT		01 R
	PT1029	UG88C/U	. CONNECTOR		01 R
	PT1030	UG913A/U	. CONNECTOR COAX		01 R
	PT906	S2340-15	. CONNECTOR ELT		01 R
		S2341-1	. . CONTACT		AR R
		S2492-2	. . CLIP ASSEMBLY		02 R

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

- NOTES:
- 1. ALL WIRES 22 GAUGE UNLESS OTHERWISE SPECIFIED.
 - 2. MAKE WIRE LENGTH FROM INC901 TO SPLICE AT JCO23, 2' ± .5.
 - 3. PART OF ARTEX ELT REMOTE SWITCH INSTL KIT 455-6196.



3929157A1

ARTEX C406-N ELT PROVISIONS - WITH NAV III
Figure 01 (Sheet 1)

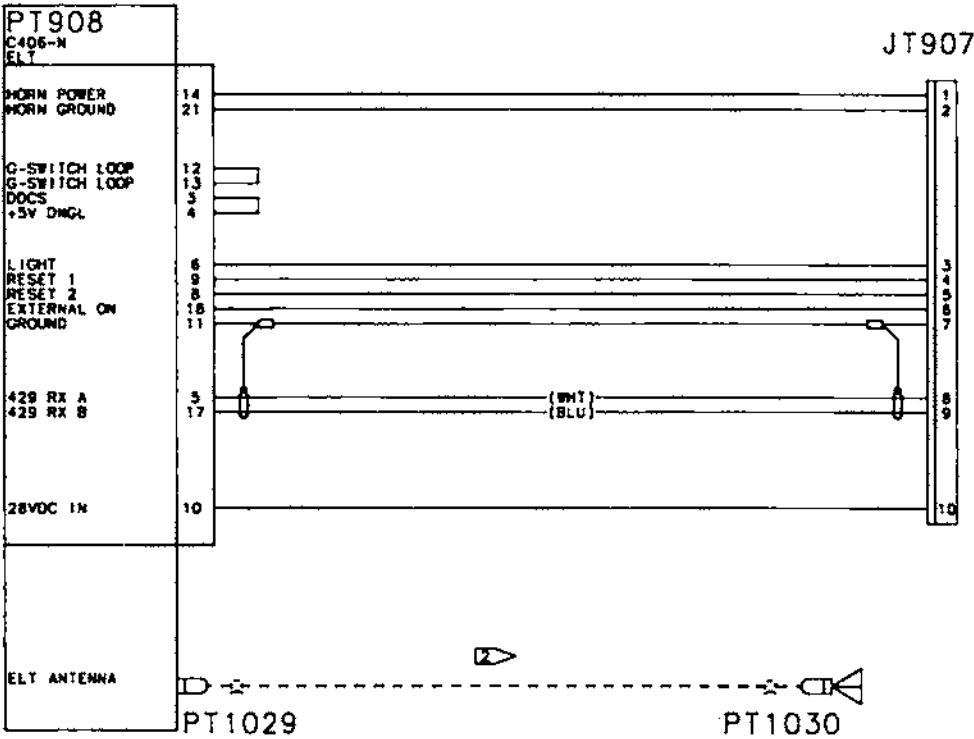
CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
01			ARTEX C406-N ELT PROVISIONS - WITH NAV III		
			17281357 & ON		
			172S10432 & ON		
			WITH NAV III		
	AC900		. SPICE		RF R
	GS906		. GROUND		RF R
	HC901	S3491-2	. FUSE ASSY		01 R
	JC023	S2350-10	. CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)	81241 & ON	01 R
				9810 & ON	
		S2353-5	. . PIN		AR R
	PT1029	UG88C/U	. CONNECTOR		01 R
	PT1030	UG913A/U	. CONNECTOR COAX		01 R
	PT304	330-00185-78	. CONNECTOR INTEGRATED AVIONICS BOX 1	81241 & ON	01 R
				9810 & ON	
	PT907	S3070-9	. CONNECTOR		01 R
		LMS01T-TL	. . SPICE CONNECTOR	V49367	01 R
	SI302	455-6196	. ELT REMOTE SWITCH INSTALLATION KIT	V60253	01 R
		151-5009	. . CONNECTOR	V60253	01 R
		151-6628	. . CONTACTS	V60253	06 R
	UT901		. BUZZER SONALERT		RF R

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

NOTES:
1. ALL WIRES 22 GAUGE UNLESS OTHERWISE SPECIFIED.
2. ANTENNA CABLE INSTALLED AS PART OF ELT PROVISIONS INTL.



ARTEX C406-N ELT ADAPTER HARNESS - WITH NAV III
Figure 01 (Sheet 1)

3929156_1

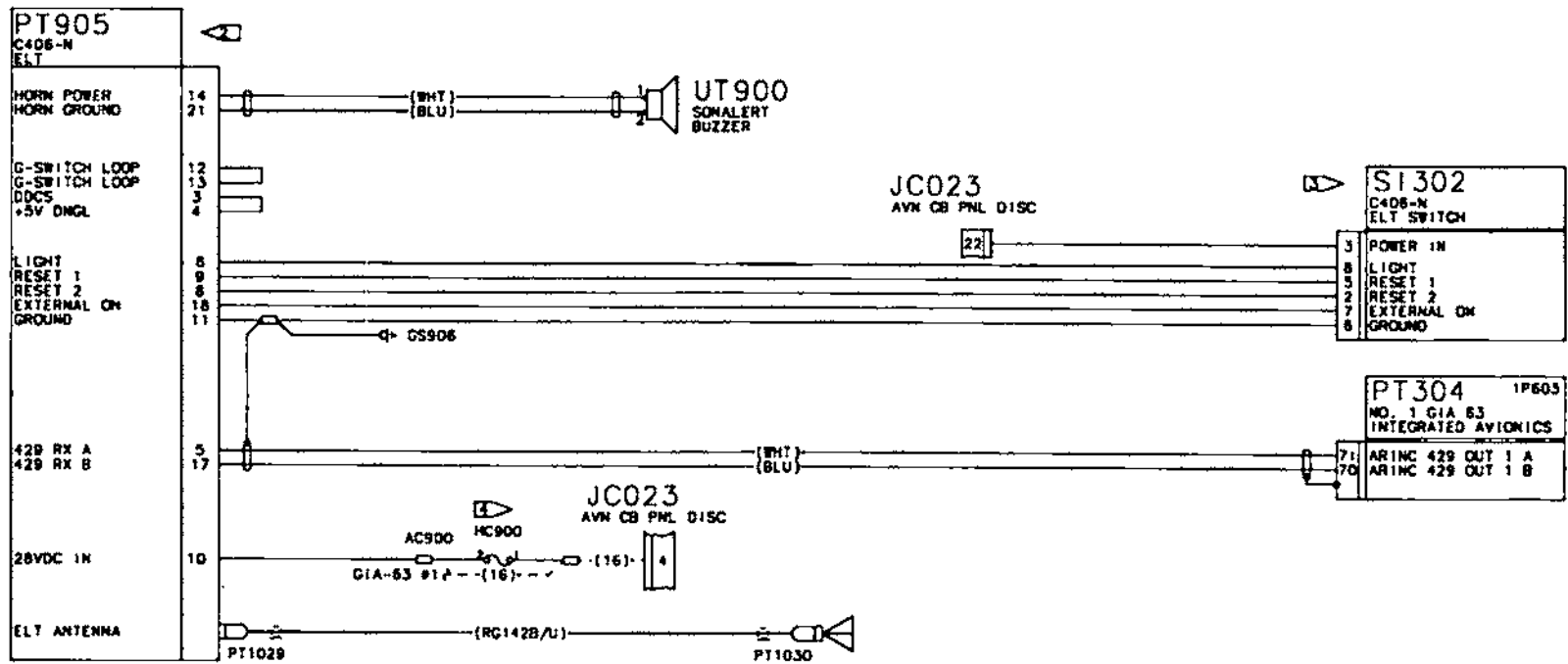
CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
		1 2 3 4 5 6 7		
01		ARTEX C406-N ELT ADAPTER HARNESS - WITH NAV III 172B1357 & ON 172S10432 & ON WITH NAV III		
JT907	S3070-10	. CONNECTOR KIT		01 R
PT1029	UG88C/U	. CONNECTOR		01 R
PT1030	UG913A/U	. CONNECTOR COAX		01 R
PT908	MS27473T12F35S	. CONNECTOR KIT		01 R
-	S3627-12	. . BACKSHELL BACKSHELL		01 R

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

- NOTES:
- 1. ALL WIRES 22 GAUGE UNLESS OTHERWISE SPECIFIED.
 - 2. PART OF ARTEX C406-N ELT INSTL KIT 455-7422.
 - 3. PART OF ARTEX C406-N ELT REMOTE SWITCH INSTL KIT 455-6196.
 - 4. MAKE WIRE LENGTH FROM 1HC900 TO SPLICE AT 4JC023 2" ± .5.



ARTEX C406-N ELT - WITH NAV III
Figure 01 (Sheet 1)

3925121_2

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
		1 2 3 4 5 6 7			
01			ARTEX C406-N ELT - WITH NAV III		
			17281334 & ON		
			172S10215 & ON		
			WITH NAV III		
	AC900		. SPLICE		RF R
	GS906		. GROUND		RF R
	HC900	S3491-1	. FUSE ASSY		01 R
	JC023	S2350-10	. CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)	81241 & ON	01 R
				9810 & ON	
		S2353-5	. PIN		AR R
	PT1029	UG88C/U	. CONNECTOR		01 R
	PT1030	UG913A/U	. CONNECTOR COAX		01 R
	PT304	330-00185-78	. CONNECTOR INTEGRATED AVIONICS BOX 1.	81241 & ON	01 R
				9810 & ON	
	PT905	151-5051	. CONNECTOR		01 R
			PART OF INSTL KIT 455-6196		
		151-6657	. CONTACTS		AR R
	SI302	455-6196	. ELT REMOTE SWITCH INSTALLATION KIT	V60253	01 R
		151-5009	. CONNECTOR	V60253	01 R
		151-6628	. CONTACTS	V60253	06 R
	UT900		. BUZZER SONALERT		RF R

- ITEM NOT ILLUSTRATED

CHAPTER

27

**FLIGHT
CONTROLS**

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

<u>CHAPTER SECTION SUBJECT</u>		<u>NUMBER OF PAGES</u>	<u>DATE</u>
27-Title		1	
27-List of Effective Pages		1	Jan 20/2006
27-Record of Revisions		1	
27-Contents		1	Jan 20/2006
27-10-01	Figure 01	2	Jan 20/2006
	Figure 02	2	Jan 20/2006
27-50-00	Figure 01	2	Jan 20/2006 Deleted
	Figure 02	2	Jan 20/2006 Deleted
27-50-01	Figure 01	2	Jan 20/2006 Added
	Figure 02	2	Jan 20/2006 Added
	Figure 03	2	Jan 20/2006 Added

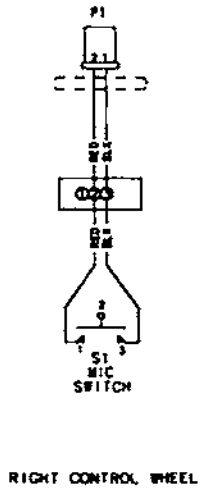
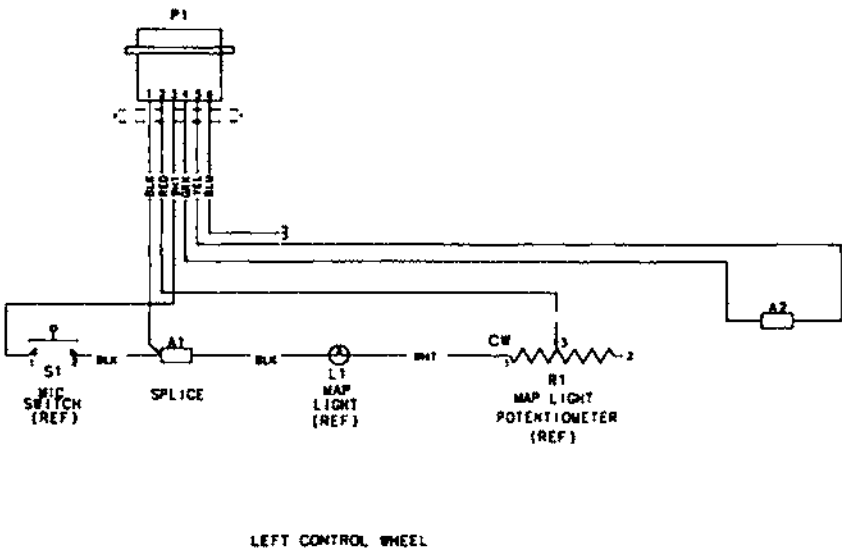
CESSNA AIRCRAFT COMPANY MODEL 172 WIRING DIAGRAM MANUAL

RECORD OF REVISIONS

[illegible]

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

<u>SUBJECT</u>	<u>CHAPTER/ SECTION/ SUBJECT</u>	<u>FIGURE</u>	<u>EFFECTIVITY</u> <u>START</u> <u>END</u>
CONTROL WHEELS	27-10-01	01	
CONTROL WHEELS	27-10-01	02	
FLAP CONTROL	27-50-01	01	
FLAP CONTROL	27-50-01	02	
FLAP CONTROL	27-50-01	03	



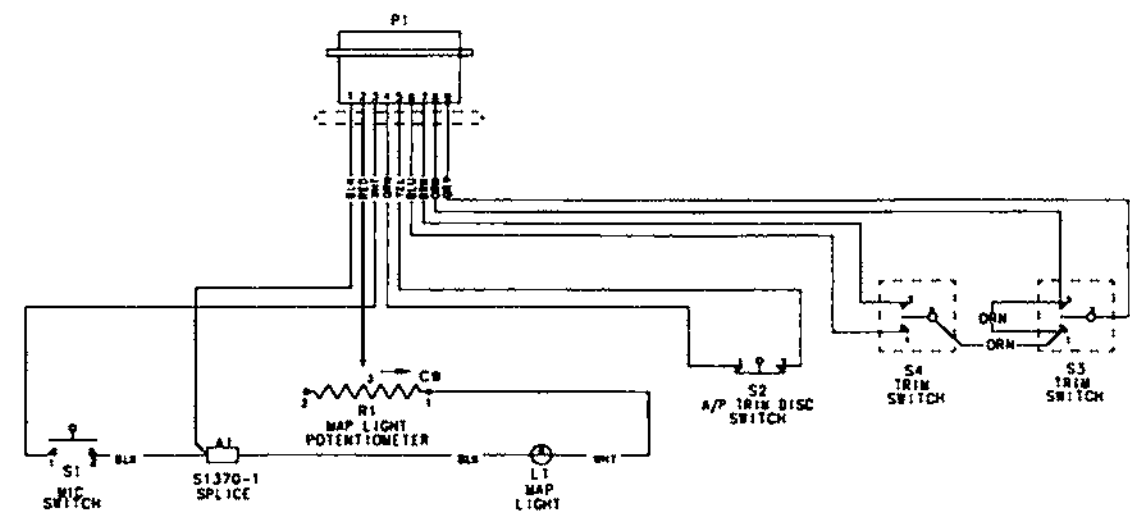
CONTROL WHEELS
Figure 01 (Sheet 1)

0560059M2
0560059M3

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
		1 2 3 4 5 6 7		
01		CONTROL WHEELS		
		17280001 THRU 17280830		
		172S8001 THRU 172S8347		
A1	S1370-1	. SPLICE (ZONE 211)		01
A2	S1370-0	. SPLICE (ZONE 211)		01
L1	S2521-1	. MAP LIGHT CONTROL WHEEL (ZONE 222)		01 R
-	24RB	. . LIGHT BULB		AR R
P1		. CONNECTOR SUPPLIED WITH VENDOR ASSEMBLY (ZONE		RF
		520/620)		
P1	S1640-9	. CONNECTOR (ZONE 222/223).		01
-	S1635-1	. . PIN		09
P1	S2035-2	. CONNECTOR (ZONE 222/223).		01
R1	S2619-1	. POTENTIOMETER RIGHT CONTROL WHEEL (ZONE 222)	80004 & ON	01
			8001 & ON	
R1	3852A162-152A	. POTENTIOMETER RIGHT CONTROL WHEEL (ZONE 222)	80001 80003	01 R
S1	S2870-1	. SWITCH CONTROL WHEEL MIC (ZONE 222/223)	80004 & ON	01
			8001 & ON	
S1	S1985-1	. SWITCH CONTROL WHEEL MIC (ZONE 222/223)	80001 80003	01

- ITEM NOT ILLUSTRATED



0560059M3

CONTROL WHEELS
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

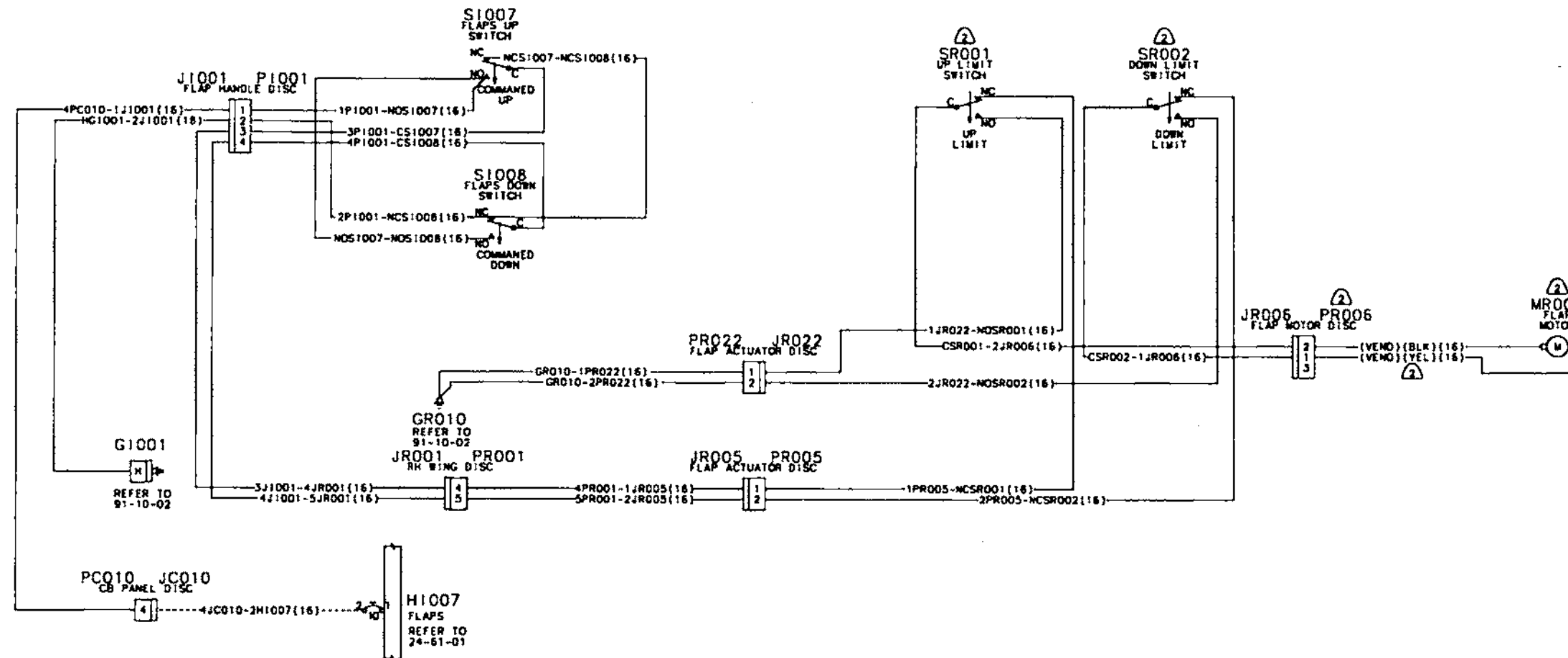
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES		1 2 3 4 5 6 7		FROM TO	PER ASSY
02			CONTROL WHEELS		
			17280831 & ON		
			172S8348 & ON		
A1	S1370-1		. SPLICE (ZONE 211)		01
L1	S2521-1		. MAP LIGHT CONTROL WHEEL (ZONE 222)		01
-	24RB		. . LIGHT BULB		AR
P1			. CONNECTOR SUPPLIED WITH VENDOR ASSEMBLY (ZONE 520/620)		RF
P1	S1640-9		. CONNECTOR (ZONE 222/223)		01
-	S1635-1		. . PIN		09
P1	S2035-2		. CONNECTOR (ZONE 222/223)		01
R1	S2619-1		. POTENTIOMETER RIGHT CONTROL WHEEL (ZONE 222)	80004 & ON	01 R
				8001 & ON	
S1	S2870-1		. SWITCH CONTROL WHEEL MIC (ZONE 222/223)	80004 & ON	01
				8001 & ON	
S2	S2870-4		. SWITCH AUTOPILOT TRIM DISCONNECT (ZONE 222)		01
S3	7105P4YZQE		. SWITCH CONTROL WHEEL TRIM (ZONE 222)	V09353 80831 & ON	01
				8348 & ON	
S4	7105P4YZQE		. SWITCH CONTROL WHEEL TRIM (ZONE 222)	V09353 80831 & ON	01
				8348 & ON	

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

NOTES:

1. ALL WIRE 22AWG, EXCEPT AS NOTED
- ② PART OF VENDOR ACTUATOR ASSY
- ③ REF 07705XX WING FLAPS-ELECTRIC WIRE DIAGRAM FOR FLAP MOTOR WIRE BUNDLE ASSY.



0570570E1

FLAP CONTROL
 Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
01			FLAP CONTROL		
			17280001 THRU 17280830		
			172S8001 THRU 172S8347		
	GI001	S2527-1	CONNECTOR GROUND (ZONE 211)	80001 80883	01 R
				8001 8402	
-		203618-1	JACK SCREW		AR R
-		AN340-3	NUT		AR R
-		S2527-3	CLAMP		01 R
-		S2099-4	SOCKET	80001 81142	AR R
GR010		0508001-2	GROUND STUD (ZONE 610)		01 R
HJ007		S1360-10L	CIRCUIT BREAKER FLAPS (ZONE 224)		01 R
JC010		S1641-6	CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01 R
-		S1636-2	SOCKETS		AR R
JJ001		S1638-5	CONNECTOR FLAP INDICATOR ASSEMBLY (ZONE 224)		01 R
-		S1636-2	SOCKETS		AR R
JR001		S1641-9	CONNECTOR (ZONE 610)		01 R
-		S1636-1	SOCKET		AR R
-		S1636-2	SOCKET		AR R
JR005		S2035-2	CONNECTOR FLAP ACTUATOR DISCONNECT (ZONE 610)		01 R
-		S1636-2	SOCKET		AR R
JR006		S1638-1	CONNECTOR FLAP MOTOR ASSY (ZONE 610)		01 R
-		S1636-2	SOCKET		AR R
JR022		S2035-2	CONNECTOR FLAP ACTUATOR ASSEMBLY (ZONE 610)		01 R
-		S1636-2	SOCKET		AR R
MR001		C301002-0110	FLAP MOTOR ASSEMBLY (ZONE 610)		01 R
PC010		S1640-6	CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01 R
-		S1635-1	PIN		AR R
-		S1635-2	PIN		AR R
PI001		S1638-4	CONNECTOR FLAP INDICATOR ASSEMBLY (ZONE 224)		01 R
-		S1635-2	PIN		AR R
PR001		S1640-9	CONNECTOR RIGHT WING DISCONNECT (ZONE 610)		01 R
-		S1635-1	CONTACT		AR R
-		S1635-2	CONTACT		AR R
PR005		S2035-1	CONNECTOR FLAP ACTUATOR ASSEMBLY (ZONE 610)		01 R
-		S1635-2	CONTACT		AR R
PR006		S1638-2	CONNECTOR FLAP MOTOR DISCONNECT (ZONE 610)		01 R
PR022		S2035-1	CONNECTOR FLAP ACTUATOR GROUND DISCONNECT (ZONE 610)		01 R
-		S1635-2	CONTACT		AR R
SI007		S1906-1	SWITCH FLAPS UP (ZONE 224)		01 R
SI008		S1906-1	SWITCH FLAPS DOWN		01 R
SR001		S1493-2	SWITCH FLAP ACTUATOR UP LIMIT (ZONE 610)		03 R
SR002		S1493-2	SWITCH FLAP ACTUATOR DOWN LIMIT (ZONE 610)		03 R

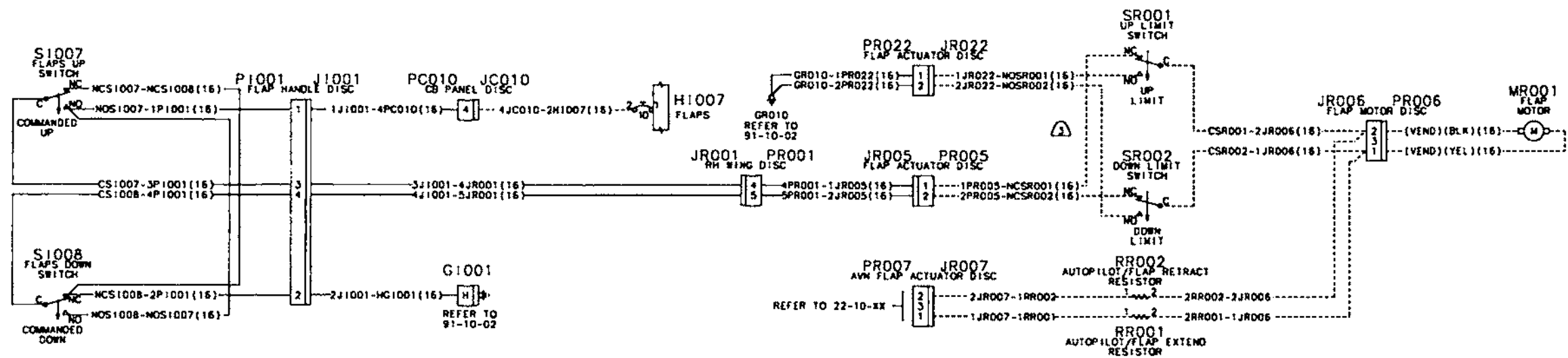
- ITEM NOT ILLUSTRATED

Figure 01

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

- NOTES:
- 1. ALL WIRE 22AWG, EXCEPT AS NOTED
 - ⚠ PART OF VENDOR ACTUATOR ASSY
 - ⚠ REF 07705XX WING FLAPS-ELECTRIC WIRE DIAGRAM FOR FLAP MOTOR WIRE BUNDLE ASSY.



0570570E2

FLAP CONTROL
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
02			FLAP CONTROL		
			17280831 & ON		
			172S8348 & ON		
			WITHOUT NAV III OPTION		
	GI001	S2527-1	CONNECTOR GROUND (ZONE 211)	80001 80883	01 R
				8001 8402	
-		203618-1	.. JACK SCREW		AR R
-		AN340-3	.. NUT		AR R
-		S2527-3	.. CLAMP		01 R
-		S2099-4	.. SOCKET	80001 81142	AR R
	GI001	200838-2	CONNECTOR GROUND (ZONE 211)	V00779 80884 & ON	01 R
				8403 & ON	
-		201846-1	.. CLAMP KIT		01 R
-		203618-1	.. JACK SCREW		AR R
-		AN340-3	.. NUT		AR R
-		S2099-4	.. SOCKET	80001 81142	AR R
-		S2099-3	.. CONTACT	81143 & ON	AR R
	GR010	0508001-2	GROUND STUD (ZONE 610)		01 R
	HI007	S1360-10L	CIRCUIT BREAKER FLAPS (ZONE 224)		01 R
	JC010	S1641-6	CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01 R
-		S1636-2	.. SOCKETS		AR R
	JH001	S1638-5	CONNECTOR FLAP INDICATOR ASSEMBLY (ZONE 224)		01 R
-		S1636-2	.. SOCKETS		AR R
	JR001	S1641-9	CONNECTOR (ZONE 610)		01 R
-		S1636-1	.. SOCKET		AR R
-		S1636-2	.. SOCKET		AR R
	JR005	S2035-2	CONNECTOR FLAP ACTUATOR DISCONNECT (ZONE 610)		01 R
-		S1636-2	.. SOCKET		AR R
	JR006	S1638-1	CONNECTOR FLAP MOTOR ASSY (ZONE 610)		01 R
-		S1636-2	.. SOCKET		AR R
	JR007	S1638-2	CONNECTOR AVIONICS FLAP ACTUATOR DISCONNECT (ZONE 610)	80831 & ON	01 R
				8348 & ON	
-		S1635-1	.. PIN		AR R
	JR022	S2035-2	CONNECTOR FLAP ACTUATOR ASSEMBLY (ZONE 610)		01 R
-		S1636-2	.. SOCKET		AR R
	MR001	C301002-0110	FLAP MOTOR ASSEMBLY (ZONE 610)		01 R
	PC010	S1640-6	CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01 R
-		S1635-1	.. PIN		AR R
-		S1635-2	.. PIN		AR R
	PI001	S1638-4	CONNECTOR FLAP INDICATOR ASSEMBLY (ZONE 224)		01 R
-		S1635-2	.. PIN		AR R
	PR001	S1640-9	CONNECTOR RIGHT WING DISCONNECT (ZONE 610)		01 R
-		S1635-1	.. CONTACT		AR R
-		S1635-2	.. CONTACT		AR R
	PR005	S2035-1	CONNECTOR FLAP ACTUATOR ASSEMBLY (ZONE 610)		01 R
-		S1635-2	.. CONTACT		AR R
	PR006	S1638-2	CONNECTOR FLAP MOTOR DISCONNECT (ZONE 610)		01 R
	PR007	S1638-1	CONNECTOR AVIONICS FLAP ACTUATOR DISCONNECT (ZONE 610)		01 R
-		S1636-1	.. CONTACT		AR R
	PR022	S2035-1	CONNECTOR FLAP ACTUATOR GROUND DISCONNECT (ZONE 610)		01 R
-		S1635-2	.. CONTACT		AR R
	RR001	CCF-551002F	RESISTOR AUTOPILOT/FLAP EXTEND	V91637	01 R
	RR002	CCF-551002F	RESISTOR AUTOPILOT/FLAP RETRACT	V91637	01 R
	SI007	S1906-1	SWITCH FLAPS UP (ZONE 224)		01 R
	SI008	S1906-1	SWITCH FLAPS DOWN		01 R
	SR001	S1493-2	SWITCH FLAP ACTUATOR UP LIMIT (ZONE 610)		03 R
	SR002	S1493-2	SWITCH FLAP ACTUATOR DOWN LIMIT (ZONE 610)		03 R

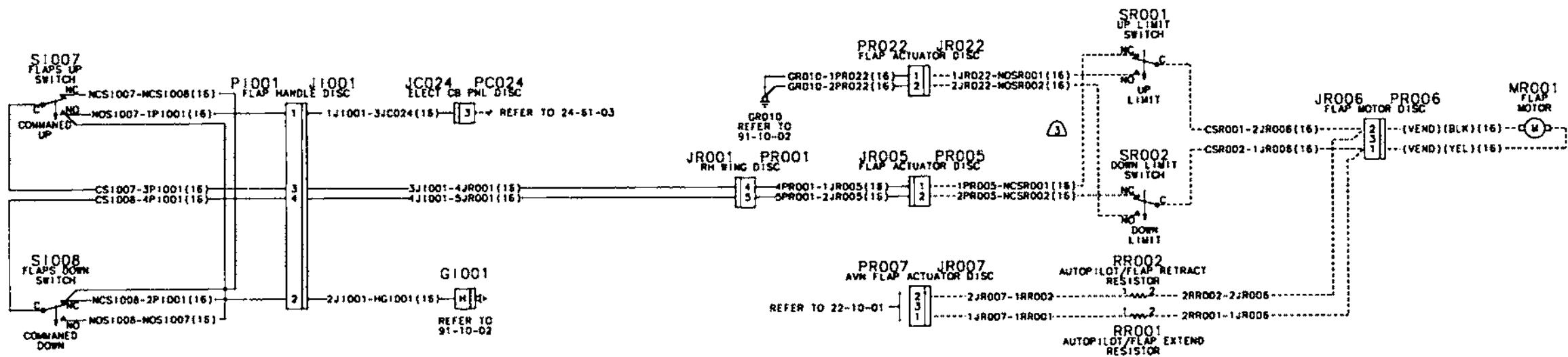
- ITEM NOT ILLUSTRATED

Figure 02

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

- NOTES:
- 1. ALL WIRE 22AWG, EXCEPT AS NOTED
 - 2. PART OF VENDOR ACTUATOR ASSY
 - 3. REF 07705XX WING FLAPS-ELECTRIC WIRE DIAGRAM FOR FLAP MOTOR WIRE BUNDLE ASSY.



0570570E3

FLAP CONTROL
Figure 03 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
			1 2 3 4 5 6 7		ASSY
03			FLAP CONTROL		
			17281241 & ON		
			172S9810 & ON		
			WITH NAV III OPTION		
	GI001	200838-2	CONNECTOR GROUND (ZONE 211)	V00779 80884 & ON	01 R
				8403 & ON	
-		201846-1	CLAMP KIT		01 R
-		203618-1	JACK SCREW		AR R
-		AN340-3	NUT		AR R
-		S2099-4	SOCKET	80001 81142	AR R
-		S2099-3	CONTACT	81143 & ON	AR R
	GR010	0508001-2	GROUND STUD (ZONE 610)		01 R
	JC024	S2350-3	CONNECTOR (ZONE 224)	81241 & ON	01 R
				9810 & ON	
-		S2353-4	PIN		AR R
-		S2353-5	PIN		AR R
	J1001	S1638-5	CONNECTOR FLAP INDICATOR ASSEMBLY (ZONE 224)		01 R
-		S1636-2	SOCKETS		AR R
	JR001	S1641-9	CONNECTOR (ZONE 610)		01 R
-		S1636-1	SOCKET		AR R
-		S1636-2	SOCKET		AR R
	JR005	S2035-2	CONNECTOR FLAP ACTUATOR DISCONNECT (ZONE 610)		01 R
-		S1636-2	SOCKET		AR R
	JR006	S1638-1	CONNECTOR FLAP MOTOR ASSY (ZONE 610)		01 R
-		S1636-2	SOCKET		AR R
	JR007	S1638-2	CONNECTOR AVIONICS FLAP ACTUATOR DISCONNECT (ZONE 610)	80831 & ON	01 R
				8348 & ON	
-		S1635-1	PIN		AR R
	JR022	S2035-2	CONNECTOR FLAP ACTUATOR ASSEMBLY (ZONE 610)		01 R
-		S1636-2	SOCKET		AR R
	MR001	C301002-0110	FLAP MOTOR ASSEMBLY (ZONE 610)		01 R
	PC024	S2349-3	CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)	81241 & ON	01 R
				9810 & ON	
-		S2099-3	CONTACT		AR R
-		S2099-4	CONTACT		AR R
	PI001	S1638-4	CONNECTOR FLAP INDICATOR ASSEMBLY (ZONE 224)		01 R
-		S1635-2	PIN		AR R
	PR001	S1640-9	CONNECTOR RIGHT WING DISCONNECT (ZONE 610)		01 R
-		S1635-1	CONTACT		AR R
-		S1635-2	CONTACT		AR R
	PR005	S2035-1	CONNECTOR FLAP ACTUATOR ASSEMBLY (ZONE 610)		01 R
-		S1635-2	CONTACT		AR R
	PR006	S1638-2	CONNECTOR FLAP MOTOR DISCONNECT (ZONE 610)		01 R
	PR007	S1638-1	CONNECTOR AVIONICS FLAP ACTUATOR DISCONNECT (ZONE 610)		01 R
-		S1636-1	CONTACT		AR R
	PR022	S2035-1	CONNECTOR FLAP ACTUATOR GROUND DISCONNECT (ZONE 610)		01 R
-		S1635-2	CONTACT		AR R
	RR001	CCF-551002F	RESISTOR AUTOPILOT/FLAP EXTEND	V91637	01 R
	RR002	CCF-551002F	RESISTOR AUTOPILOT/FLAP RETRACT	V91637	01 R
	SI007	S1906-1	SWITCH FLAPS UP (ZONE 224)		01 R
	SI008	S1906-1	SWITCH FLAPS DOWN		01 R
	SR001	S1493-2	SWITCH FLAP ACTUATOR UP LIMIT (ZONE 610)		03 R
	SR002	S1493-2	SWITCH FLAP ACTUATOR DOWN LIMIT (ZONE 610)		03 R

- ITEM NOT ILLUSTRATED

Figure 03

Page 1

CHAPTER

28

FUEL

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

<u>CHAPTER SECTION SUBJECT</u>	<u>NUMBER OF PAGES</u>	<u>DATE</u>
28-Title	1	
28-List of Effective Pages	1	Jan 20/2006
28-Record of Revisions	1	
28-Contents	1	Jan 20/2006
28-40-00	Figure 01	2 Jan 20/2006 Deleted
28-40-01	Figure 01	2 Jan 20/2006 Added
	Figure 02	2 Jan 20/2006 Added

CESSNA AIRCRAFT COMPANY MODEL 172 WIRING DIAGRAM MANUAL

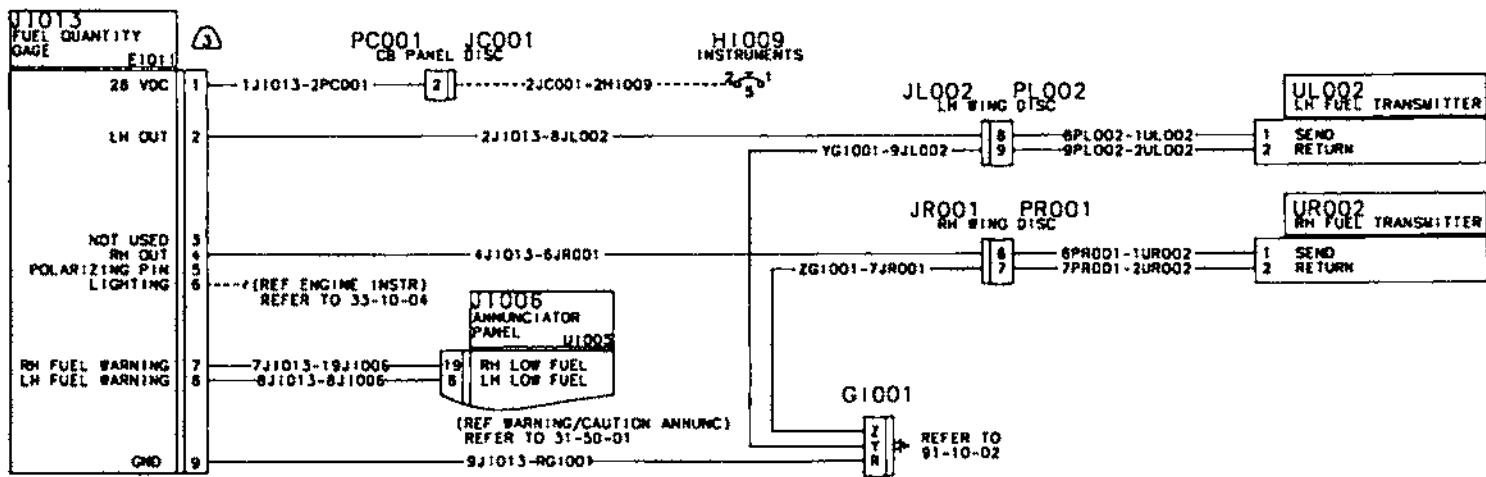
RECORD OF REVISIONS

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CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

<u>SUBJECT</u>	<u>CHAPTER/ SECTION/ SUBJECT</u>	<u>FIGURE</u>	<u>EFFECTIVITY</u> <u>START</u> <u>END</u>
FUEL QUANTITY	28-40-01	01	
FUEL QUANTITY	28-40-01	02	

- NOTES:
- 1. ALL WIRE 22AWG, UNLESS OTHERWISE NOTED.
 - 2. NEVER USED.
 - 3. INSTALL POLARIZING PIN INTO PIN 5 OF J1013.



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FUEL QUANTITY
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

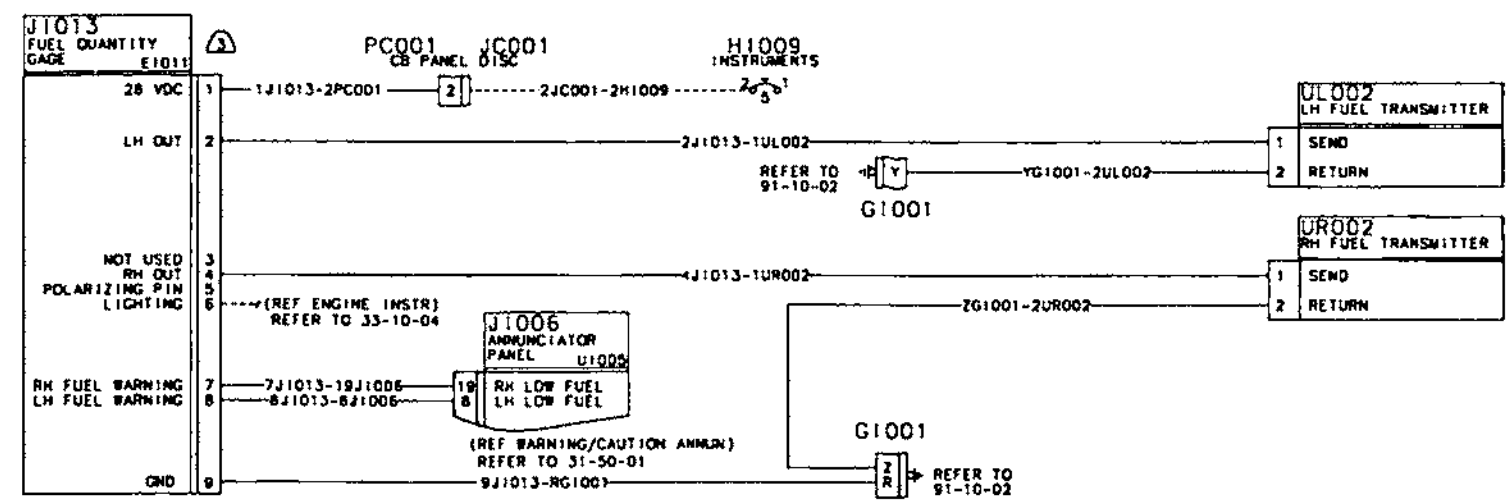
FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
		1 2 3 4 5 6 7		
01		FUEL QUANTITY		
		17280001 THRU 17281200		
		172S8001 THRU 172S9568		
EI011	S3281-2	INDICATOR FUEL QUANTITY (ZONE 220)		01 R
GI001	S2527-1	CONNECTOR GROUND (ZONE 211)	80001 80883 8001 8402	01 R
-	203618-1	JACK SCREW		AR R
-	AN340-3	NUT		AR R
-	S2527-3	CLAMP		01 R
-	S2099-4	SOCKET	80001 81142	AR R
GI001	200838-2	CONNECTOR GROUND (ZONE 211)	V00779 80884 & ON 8403 & ON	01 R
-	201846-1	CLAMP KIT		01 R
-	203618-1	JACK SCREW		AR R
-	AN340-3	NUT		AR R
-	S2099-4	SOCKET	80001 81142	AR R
-	S2099-3	CONTACT	81143 & ON	AR R
HI009	S1360-5L	CIRCUIT BREAKER INSTRUMENTS (ZONE 224)		01 R
-	MS35206-226	SCREW		AR R
-	S2122-1	NUT		AR R
JC001	S2349-5	CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01 R
-	S2099-4	SOCKET		AR R
JI006	770585-1	CONNECTOR ANNUNCIATOR DISCONNECT (ZONE 225)	V00779	01 R
-	170365-3	CONTACT	V00779	AR R
-	S3556-26	CONTACT		01 R
JI013	S2349-3	CONNECTOR FUEL QUANTITY INDICATOR (ZONE 220)		01 R
-	S2099-3	CONTACT		AR R
-	S2099-4	SOCKET		AR R
-	S2414-1	KEYING PLUG		AR R
JL002	S1641-9	CONNECTOR (ZONE 510)		01 R
-	S1636-1	SOCKET		AR R
-	S1636-2	SOCKET		AR R
JR001	S1641-9	CONNECTOR (ZONE 610)		01 R
-	S1636-1	SOCKET		AR R
-	S1636-2	SOCKET		AR R
PC001	S2350-10	CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01 R
-	S2353-4	PIN		AR R
-	S2353-5	PIN		AR R
PL002	S1640-9	CONNECTOR LEFT WING DISCONNECT (ZONE 510)		01 R
-	S1635-1	CONTACT		AR R
-	S1635-2	CONTACT		AR R
PR001	S1640-9	CONNECTOR RIGHT WING DISCONNECT (ZONE 610)		01 R
-	S1635-1	CONTACT		AR R
-	S1635-2	CONTACT		AR R
UI005	CSEWCA-01	PANEL ANNUNCIATOR (ZONE 220)	V0GZF3 80001 80983 8001 8703	01 R
UL002	S3331-2	TRANSMITTER FUEL QUANTITY (ZONE 510)		01 R
UR002	S3331-2	TRANSMITTER FUEL QUANTITY (ZONE 610)	80001 80958 8001 8615	01 R
UR002	S3594-1	TRANSMITTER FUEL QUANTITY (ZONE 610)	80959 & ON 8616 & ON	01 R

- ITEM NOT ILLUSTRATED

Figure 01

Page 1

- NOTES:
- 1. ALL WIRE 22AWG, UNLESS OTHERWISE NOTED.
 - 2. NEVER USED.
 - 3. INSTALL POLARIZING PIN INTO PIN 5 OF J1013.



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FUEL QUANTITY
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
02			FUEL QUANTITY		
			17281201 & ON		
			172S9569 & ON		
			WITHOUT NAV III OPTION		
EI011	S3281-2		INDICATOR FUEL QUANTITY (ZONE 220)		01 R
GI001	200838-2		CONNECTOR GROUND (ZONE 211)	V00779 80884 & ON	01 R
				8403 & ON	
-	201846-1		CLAMP KIT		01 R
-	203618-1		JACK SCREW		ARR
-	AN340-3		NUT		ARR
-	S2099-4		SOCKET	80001 81142	ARR
-	S2099-3		CONTACT	81143 & ON	ARR
HI009	S1360-5L		CIRCUIT BREAKER INSTRUMENTS (ZONE 224)		01 R
-	MS35206-226		SCREW		ARR
-	S2122-1		NUT		ARR
JC001	S2349-5		CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01 R
-	S2099-4		SOCKET		ARR
JI006	770585-1		CONNECTOR ANNUNCIATOR DISCONNECT (ZONE 225)	V00779	01 R
-	170365-3		CONTACT	V00779	ARR
-	S3556-26		CONTACT		01 R
JI013	S2349-3		CONNECTOR FUEL QUANTITY INDICATOR (ZONE 220)		01 R
-	S2099-3		CONTACT		ARR
-	S2099-4		SOCKET		ARR
-	S2414-1		KEYING PLUG		ARR
PC001	S2350-10		CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01 R
-	S2353-4		PIN		ARR
-	S2353-5		PIN		ARR
UI005	CSEWCA-01		PANEL ANNUNCIATOR (ZONE 220)	V0GZF3 80001 80983	01 R
				8001 8703	
UL002	S3331-2		TRANSMITTER FUEL QUANTITY (ZONE 510)		01 R
UR002	S3594-1		TRANSMITTER FUEL QUANTITY (ZONE 610)	80959 & ON	01 R
				8616 & ON	

- ITEM NOT ILLUSTRATED

Figure 02

Page 1

CHAPTER

30

**ICE AND RAIN
PROTECTION**

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

<u>CHAPTER SECTION SUBJECT</u>	<u>NUMBER OF PAGES</u>	<u>DATE</u>
30-Title	1	
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30-Contents	1	Jan 20/2006
30-30-00	Figure 01	2 Jan 20/2006 Deleted
30-30-01	Figure 01	2 Jan 20/2006 Added
	Figure 02	2 Jan 20/2006 Added

**CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL**

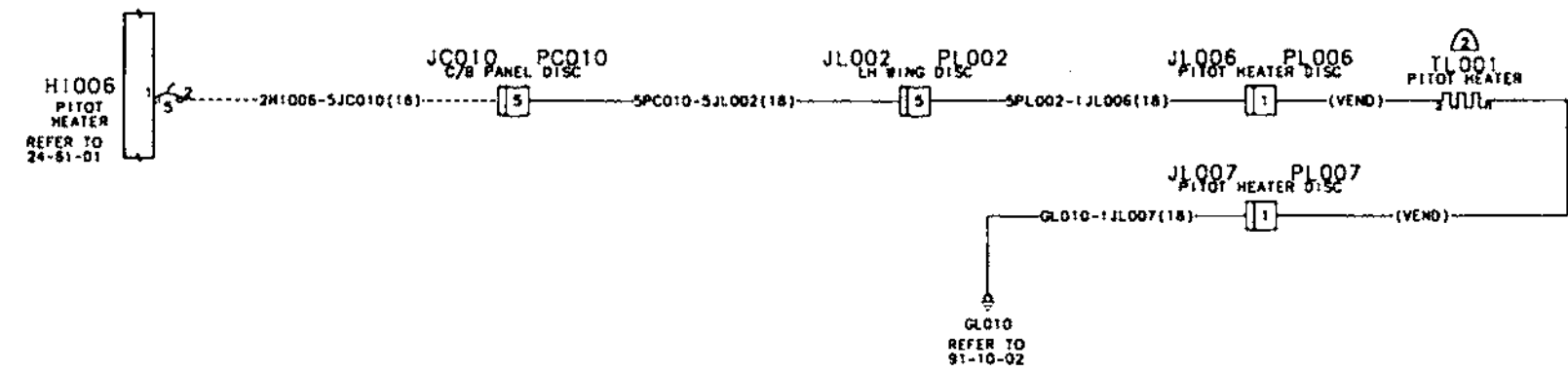
RECORD OF REVISIONS

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CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

<u>SUBJECT</u>	<u>CHAPTER/ SECTION/ SUBJECT</u>	<u>FIGURE</u>	<u>EFFECTIVITY</u>
			<u>START</u> <u>END</u>
PITOT HEATER	30-30-01	01	
PITOT HEATER	30-30-01	02	

NOTES:
1. ALL WIRE 22AWG, EXCEPT AS NOTED
2. VENDOR SUPPLIED ASSY.
POLARITY OF WIRES CAN BE REVERSED.



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PITOT HEATER
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

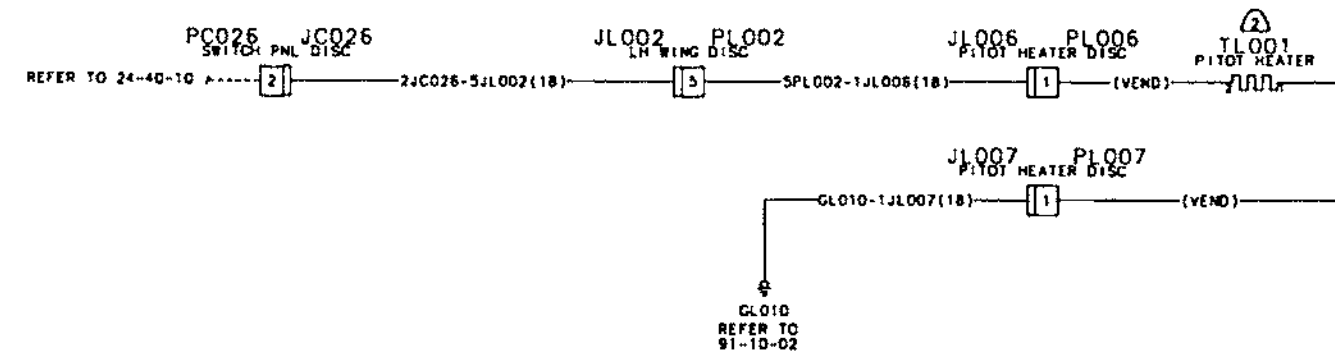
FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
		1 2 3 4 5 6 7		
01		PITOT HEATER 17280001 & ON 172S8001 & ON WITHOUT NAV III OPTION		
GL010	0508001-2	GROUND STUD (ZONE 510)	81234 & ON 9771 & ON	01 R
HI006	CM3589-5	CIRCUIT BREAKER PITOT HEAT (ZONE 224)		01 R
JC010	S1641-6	CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01 R
-	S1636-2	SOCKETS		AR R
JL002	S1641-9	CONNECTOR (ZONE 510).		01 R
-	S1636-1	SOCKET		AR R
-	S1636-2	SOCKET		AR R
JL006	S1637-2	CONNECTOR PITOT HEATER (ZONE 510)		01 R
-	S1636-1	SOCKET		AR R
JL007	S1637-2	CONNECTOR PITOT HEATER GROUND DISCONNECT (ZONE 510)		01 R
-	S1636-1	SOCKET		AR R
PC010	S1640-6	CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224).		01 R
-	S1635-1	PIN		AR R
-	S1635-2	PIN		AR R
PL002	S1640-9	CONNECTOR LEFT WING DISCONNECT (ZONE 510)		01 R
-	S1635-1	CONTACT		AR R
-	S1635-2	CONTACT		AR R
PL006	S1637-1	CONNECTOR PITOT HEATER DISCONNECT		01 R
PL007	S1637-1	CONNECTOR PITOT HEATER DISCONNECT (ZONE 510).		01 R
TL001	0721105-12	HEATER PITOT (ZONE 510)		01 R

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

NOTES:

1. ALL WIRE 22AWG, EXCEPT AS NOTED
- (2) VENDOR SUPPLIED ASSY
POLARITY OF WIRES CAN BE REVERSED.



0570560C1

PITOT HEATER
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
		1 2 3 4 5 6 7			
02			PITOT HEATER		
			17281241 & ON		
			172S9810 & ON		
			WITH NAV III OPTION		
	GL010	0508001-2	. GROUND STUD (ZONE 510)	81234 & ON	01 R
	JC026	S2350-3	. CONNECTOR SWITCH PANEL DISCONNECT (ZONE 224)	9771 & ON	01 R
		S2353-4	. . PIN	81241 & ON	01 R
		S2353-5	. . PIN	9810 & ON	01 R
	JL002	S1641-9	. CONNECTOR (ZONE 510).		ARR
		S1636-1	. . SOCKET		ARR
		S1636-2	. . SOCKET		ARR
	JL006	S1637-2	. CONNECTOR PITOT HEATER (ZONE 510)		ARR
		S1636-1	. . SOCKET		01 R
	JL007	S1637-2	. CONNECTOR PITOT HEATER GROUND DISCONNECT (ZONE 510)		ARR
		S1636-1	. . SOCKET		01 R
	PC026	S2349-1	. CONNECTOR SWITCH PANEL (ZONE 224).	81241 & ON	ARR
		S2099-13	. . SOCKET	9810 & ON	01 R
	PL002	S1640-9	. CONNECTOR LEFT WING DISCONNECT (ZONE 510)		ARR
		S1635-1	. . CONTACT		01 R
		S1635-2	. . CONTACT		ARR
	PL006	S1637-1	. CONNECTOR PITOT HEATER DISCONNECT		ARR
	PL007	S1637-1	. CONNECTOR PITOT HEATER DISCONNECT (ZONE 510).		01 R
	TL001	0721105-12	. HEATER PITOT (ZONE 510)		01 R

- ITEM NOT ILLUSTRATED

Figure 02

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CHAPTER

31

**INDICATING/
RECORDING
SYSTEMS**

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

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31-Title	1	
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31-Contents	1	Jan 1/2007
31-20-01	Figure 01 2	Jan 20/2006
	Figure 02 2	Jan 20/2006
	Figure 03 2	Jan 20/2006
	Figure 04 2	Jan 20/2006
	Figure 05 2	Jan 20/2006
31-50-01	Figure 01 2	Jan 20/2006
	Figure 02 2	Jan 20/2006
	Figure 03 2	Jan 20/2006
	Figure 04 2	Jan 20/2006
31-50-02	Figure 01 2	Jan 1/2007
	Figure 02 2	Jan 1/2007 Added

CESSNA AIRCRAFT COMPANY MODEL 172 WIRING DIAGRAM MANUAL

RECORD OF REVISIONS

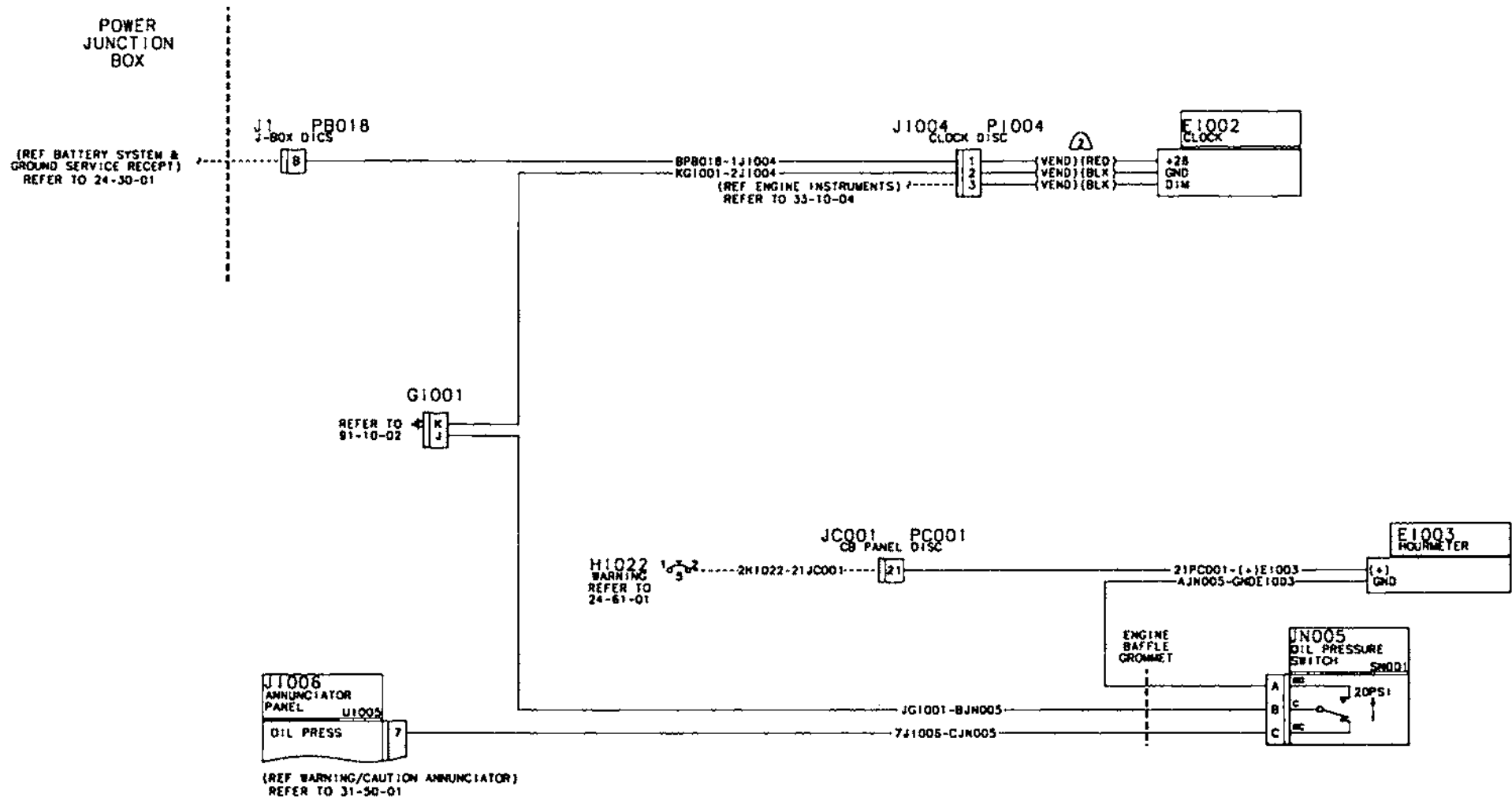
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CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

<u>SUBJECT</u>	<u>CHAPTER/ SECTION/ SUBJECT</u>	<u>FIGURE</u>	<u>EFFECTIVITY START END</u>
CLOCK, OAT AND HOURMETER	31-20-01	01	
CLOCK, OAT AND HOURMETER	31-20-01	02	
CLOCK, OAT AND HOURMETER	31-20-01	03	
CLOCK, OAT AND HOURMETER	31-20-01	04	
CLOCK, OAT AND HOURMETER	31-20-01	05	
ANNUNCIATOR PANEL	31-50-01	01	
ANNUNCIATOR PANEL	31-50-01	02	
ANNUNCIATOR PANEL	31-50-01	03	
ANNUNCIATOR PANEL	31-50-01	04	
CO DETECTOR	31-50-02	01	
CO DETECTOR	31-50-02	02	

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

- NOTES:
- 1. ALL WIRE 22AWG, EXCEPT AS NOTED.
 - 2. WIRE & CONNECTOR SUPPLIED WITH CLOCK.
 - 3. WIRES SUPPLIED WITH OAT PROBE ARE POLARITY SENSITIVE. DO NOT SWAP.



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CLOCK, OAT AND HOURMETER
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

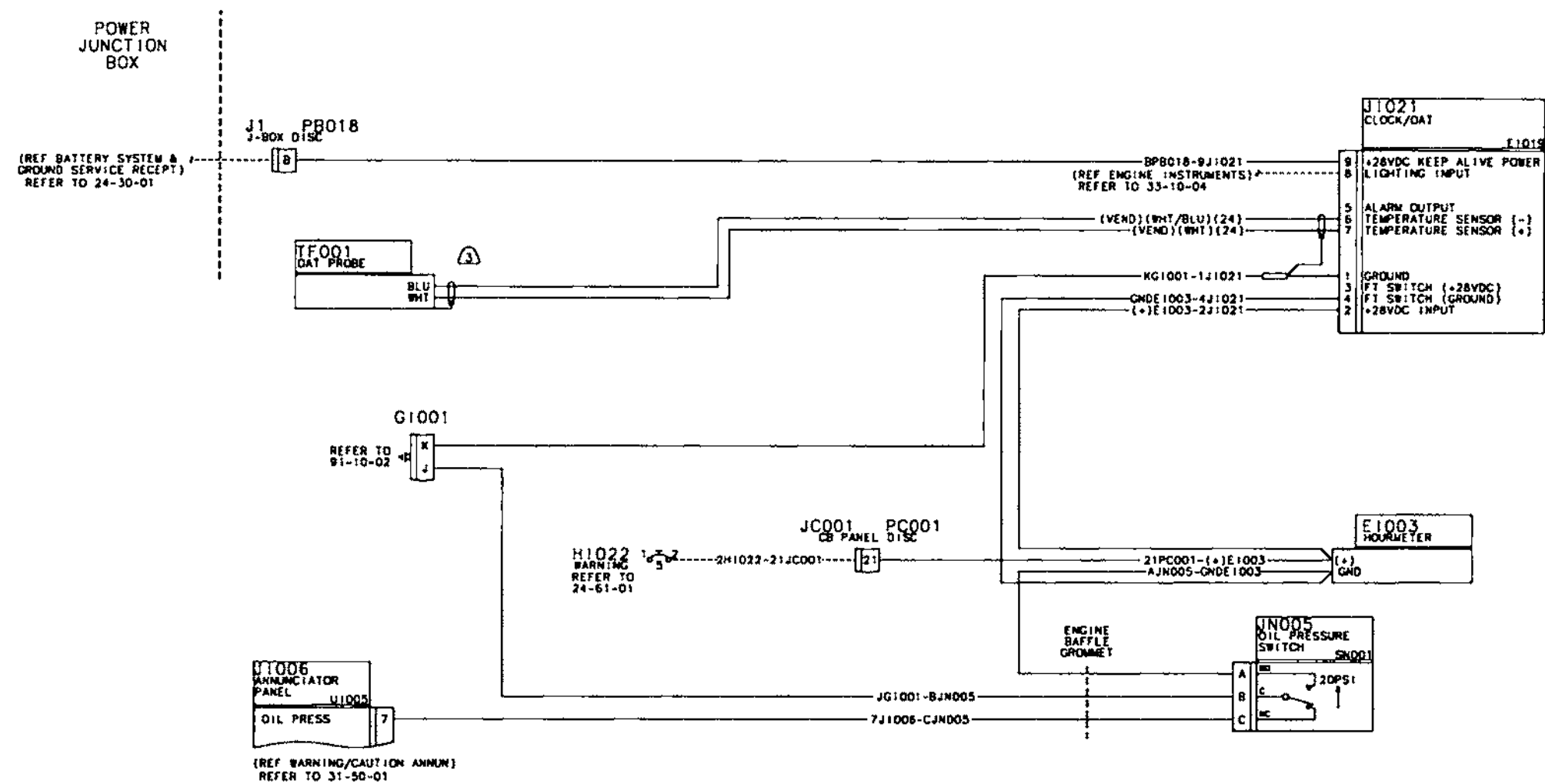
FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
		1 2 3 4 5 6 7		
01		CLOCK, OAT AND HOURMETER		
		17280001 THRU 17280300		
EI002	AT432000	INDICATOR CLOCK/OAT/VOLT (ZONE 220)	V65907	01 R
-	S3312-1	.. LIGHT ASSEMBLY		01 R
EI003	S1493-1	.. HOURMETER (ZONE 221)		01 R
GI001	S2527-1	.. CONNECTOR GROUND (ZONE 211)	80001 80883	01 R
			8001 8402	
-	203618-1	.. JACK SCREW		AR R
-	AN340-3	.. NUT		AR R
-	S2527-3	.. CLAMP		01 R
-	S2099-4	.. SOCKET	80001 81142	AR R
HI022	S1360-5L	.. CIRCUIT BREAKER WARNING (ZONE 224)		01 R
JC001	S2349-5	.. CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01 R
-	S2099-4	.. SOCKET		AR R
JI004	S1638-1	.. CONNECTOR (ZONE 220)	80001 80300	01 R
-	S1636-2	.. SOCKETS		AR R
JI006	770585-1	.. CONNECTOR ANNUNCIATOR DISCONNECT (ZONE 225)	V00779	01 R
-	170365-3	.. CONTACT	V00779	AR R
-	S3556-26	.. CONTACT		01 R
JN005	S2800-276	.. CONNECTOR KIT OIL PRESSURE SWITCH (ZONE 120)		01 R
PB018	S2800-274	.. CONNECTOR KIT JUNCTION BOX DISCONNECT (ZONE 121)		01 R
PC001	S2350-10	.. CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01 R
-	S2353-4	.. PIN		AR R
-	S2353-5	.. PIN		AR R
PI004	S1638-2	.. CONNECTOR CLOCK DISCONNECT	80001 80300	01 R
-	S1635-1	.. PIN		AR R
SN001	77041	.. SWITCH OIL PRESSURE (ZONE 120)	V74400 80001 80830	01 R
		AIRPLANES NOT INCORPORATING SB00-79-01	8001 8347	
UI005	CSEWCA-01	.. PANEL ANNUNCIATOR (ZONE 220)	V0GZF3 80001 80983	01 R
			8001 8703	

- ITEM NOT ILLUSTRATED

Figure 01
Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

- NOTES:
- 1. ALL WIRE 22AWG, EXCEPT AS NOTED.
 - 2. WIRE & CONNECTOR SUPPLIED WITH CLOCK.
 - 3. WIRES SUPPLIED WITH OAT PROBE ARE POLARITY SENSITIVE. DO NOT SWAP.



0570540J2

CLOCK, OAT AND HOURMETER
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
02			CLOCK, OAT AND HOURMETER		
			17280301 THRU 17280983		
			172S8001 THRU 172S8703		
	EI003	S1493-1	.. HOURMETER (ZONE 221)		01 R
	EI019	M803B-2-0/28V-B	.. INDICATOR CLOCK/OAT (ZONE 220)	V63B36 80301 81097	01 R
				81143 & ON	
	GI001	S2527-1	.. CONNECTOR GROUND (ZONE 211)	80001 80883	01 R
				8001 8402	
-		203618-1	.. JACK SCREW		AR R
-		AN340-3	.. NUT		AR R
-		S2527-3	.. CLAMP		01 R
-		S2099-4	.. SOCKET	80001 81142	AR R
	GI001	200838-2	.. CONNECTOR GROUND (ZONE 211)	V00779 80884 & ON	01 R
				8403 & ON	
-		201846-1	.. CLAMP KIT		01 R
-		203618-1	.. JACK SCREW		AR R
-		AN340-3	.. NUT		AR R
-		S2099-4	.. SOCKET	80001 81142	AR R
-		S2099-3	.. CONTACT	81143 & ON	AR R
	HI022	S1360-5L	.. CIRCUIT BREAKER WARNING (ZONE 224)		01 R
	JC001	S2349-5	.. CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01 R
-		S2099-4	.. SOCKET		AR R
	JI006	770585-1	.. CONNECTOR ANNUNCIATOR DISCONNECT (ZONE 225)	V00779	01 R
-		170365-3	.. CONTACT	V00779	AR R
-		S3556-26	.. CONTACT		01 R
	JI021	RD9F00JVL0	.. CONNECTOR CLOCK (ZONE 220)	V28198	01 R
-		FC6020D	.. CONTACT	V28198	AR R
	JN005	S2800-276	.. CONNECTOR KIT OIL PRESSURE SWITCH (ZONE 120)		01 R
	PB018	S2800-274	.. CONNECTOR KIT JUNCTION BOX DISCONNECT (ZONE 121)		01 R
	PC001	S2350-10	.. CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01 R
-		S2353-4	.. PIN		AR R
-		S2353-5	.. PIN		AR R
	SN001	77041	.. SWITCH OIL PRESSURE (ZONE 120)	V74400 80001 80830	01 R
			AIRPLANES NOT INCORPORATING SB00-79-01	8001 8347	
	SN001	83278	.. SWITCH OIL PRESSURE (ZONE 120)	V74400 80831 & ON	01 R
			ALSO INCLUDING AIRPLANES INCORPORATING SB00-79-01	8348 & ON	
	TF001	C307PRF-11	.. PROBE OUTSIDE AIR TEMPERATURE (ZONE 210)	V63131 80301 81097	01 R
				81143 & ON	
	TF001	C307PS	.. PROBE OUTSIDE AIR TEMPERATURE (ZONE 210)	80001 80300	01 R
	UI005	CSEWCA-01	.. PANEL ANNUNCIATOR (ZONE 220)	V0GZF3 80001 80983	01 R
				8001 8703	

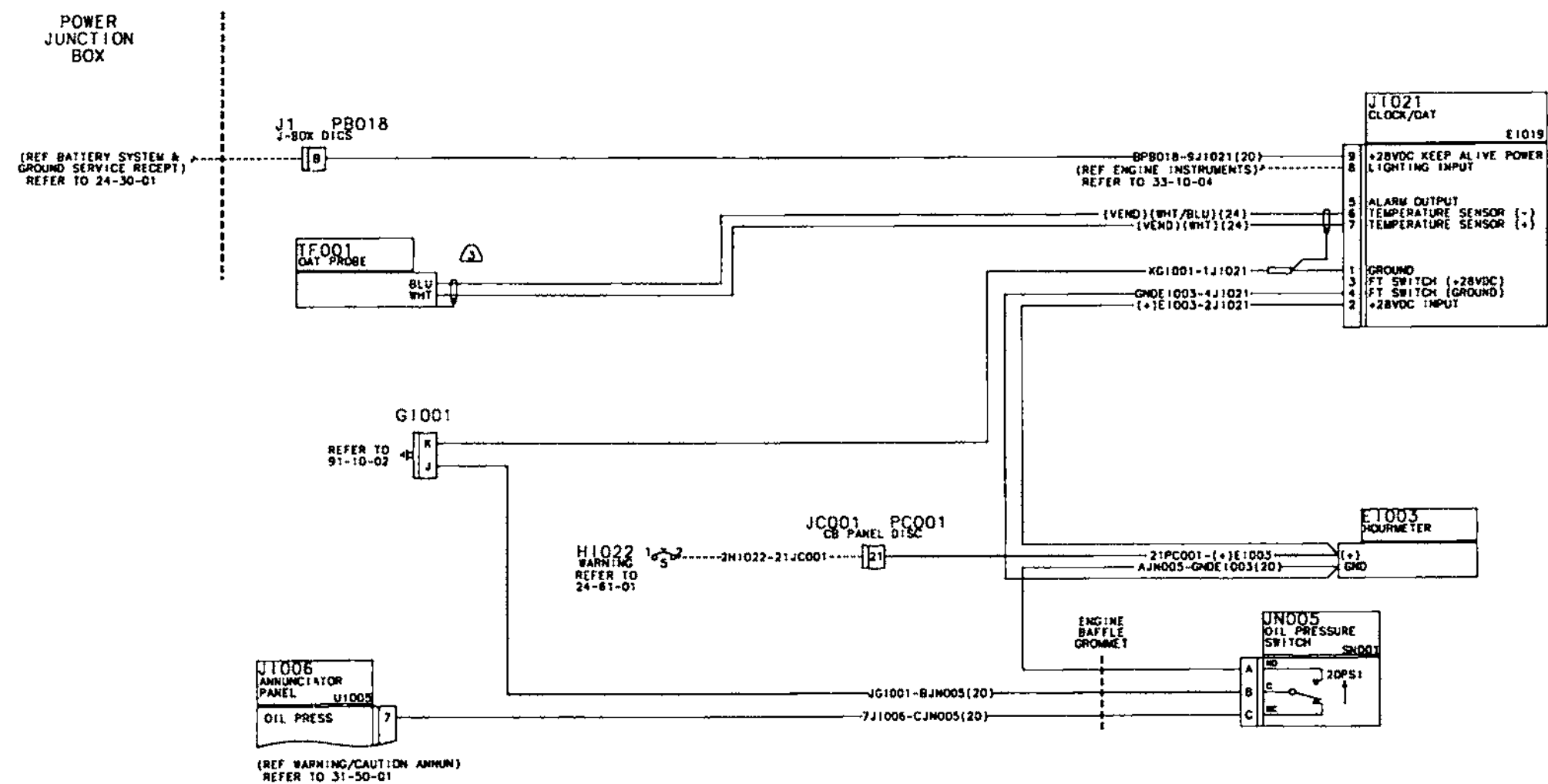
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Figure 02

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

- NOTES:
- 1. ALL WIRE 22AWG, EXCEPT AS NOTED.
 - 2. WIRE & CONNECTOR SUPPLIED WITH CLOCK.
 - 3. WIRES SUPPLIED WITH OAT PROBE ARE POLARITY SENSITIVE. DO NOT SWAP.



0570540J3

CLOCK, OAT AND HOURMETER
Figure 03 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
03			CLOCK, OAT AND HOURMETER 17280984 THRU 17281097 172S8704 THRU 172S9062		
	EI003	S1493-1	. HOURMETER (ZONE 221)		01 R
	EI019	M803B-2-0/28V-B	. INDICATOR CLOCK/OAT (ZONE 220)	V63836 80301 81097	01 R
				81143 & ON	
	GI001	200838-2	. CONNECTOR GROUND (ZONE 211)	V00779 80884 & ON	01 R
				8403 & ON	
-		201846-1	. . CLAMP KIT		01 R
-		203618-1	. . JACK SCREW		ARR
-		AN340-3	. . NUT		ARR
-		S2099-4	. . SOCKET	80001 81142	ARR
-		S2099-3	. . CONTACT	81143 & ON	ARR
	HI022	S1360-5L	. CIRCUIT BREAKER WARNING (ZONE 224)		01 R
	JC001	S2349-5	. CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01 R
-		S2099-4	. . SOCKET		ARR
	JI006	770585-1	. CONNECTOR ANNUNCIATOR DISCONNECT (ZONE 225)	V00779	01 R
-		170365-3	. . CONTACT	V00779	ARR
-		S3556-26	. . CONTACT		01 R
	JI021	RD9F00JVL0	. CONNECTOR CLOCK (ZONE 220)	V28198	01 R
-		FC6020D	. . CONTACT	V28198	ARR
	JN005	S2800-276	. CONNECTOR KIT OIL PRESSURE SWITCH (ZONE 120)		01 R
	PB018	S2800-274	. CONNECTOR KIT JUNCTION BOX DISCONNECT (ZONE 121)		01 R
	PC001	S2350-10	. CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01 R
-		S2353-4	. . PIN		ARR
-		S2353-5	. . PIN		ARR
	SN001	83278	. SWITCH OIL PRESSURE (ZONE 120)	V74400 80831 & ON	01 R
			ALSO INCLUDING AIRPLANES INCORPORATING SB00-79-01	8348 & ON	
	TF001	C307PRF-11	. PROBE OUTSIDE AIR TEMPERATURE (ZONE 210)	V63131 80301 81097	01 R
				81143 & ON	
	TF001	CNP-100-001	. PROBE OUTSIDE AIR TEMPERATURE (OAT) (ZONE 210)	V65907 81098 81142	01 R
	UI005	CSEWCA-01	. PANEL ANNUNCIATOR (ZONE 220)	V0GZF3 80001 80983	01 R
				8001 8703	

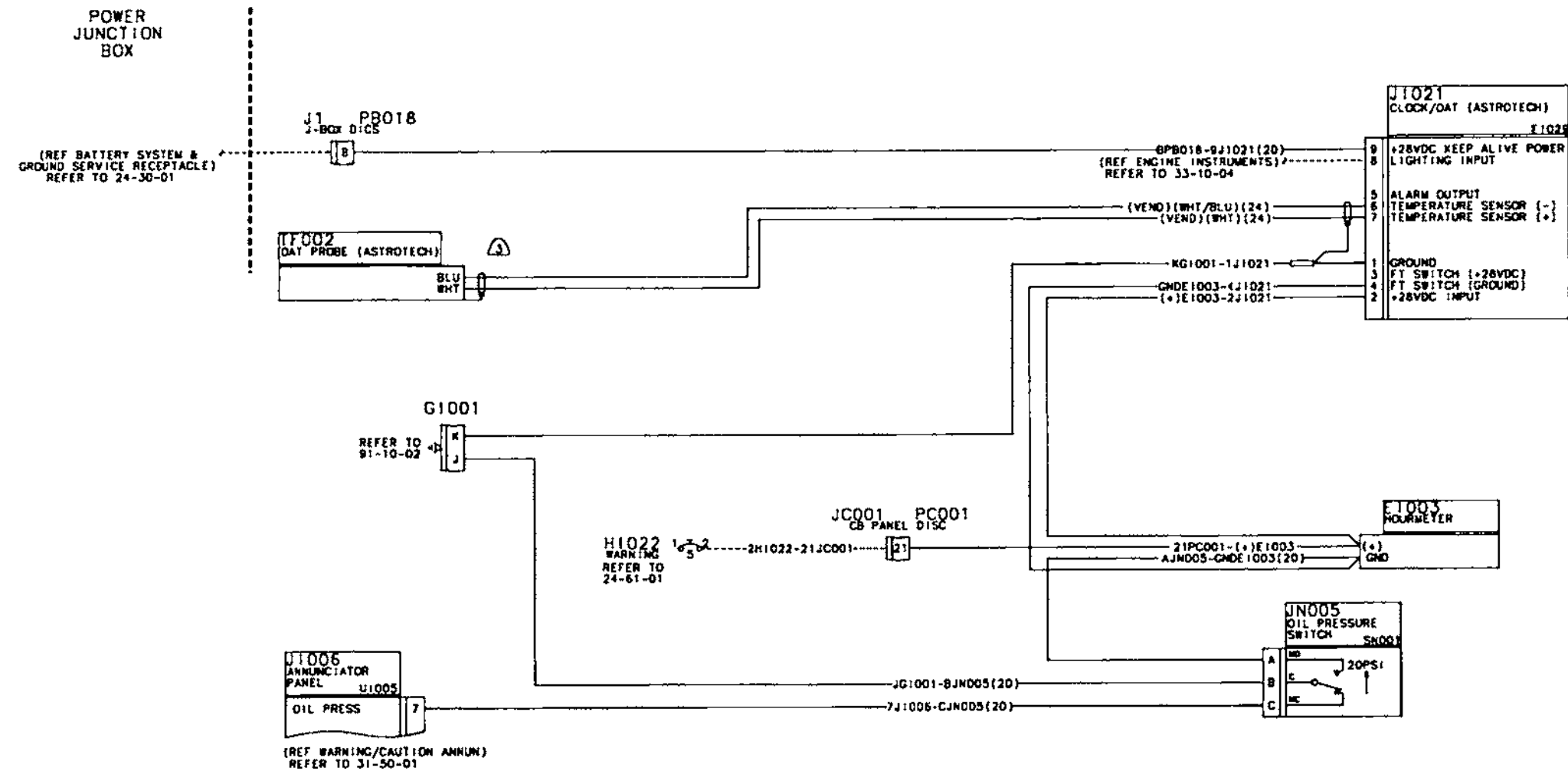
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Figure 03

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

- NOTES:
- 1. ALL WIRE 22AWG, EXCEPT AS NOTED.
 - 2. WIRE & CONNECTOR SUPPLIED WITH CLOCK.
 - 3. WIRES SUPPLIED WITH OAT PROBE ARE POLARITY SENSITIVE. DO NOT SWAP.



0570540J4

CLOCK, OAT AND HOURMETER
Figure 04 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
04			CLOCK, OAT AND HOURMETER 172B1098 THRU 172B1142 172S9063 THRU 172S9288		
	E1003	S1493-1	. HOURMETER (ZONE 221)		01 R
	E1029	AT432000	. INDICATOR CLOCK/OAT/VOLTAGE (ZONE 220)	V63836 81098 81142 9063 9288	01 R
	GI001	200838-2	. CONNECTOR GROUND (ZONE 211)	V00779 80884 & ON 8403 & ON	01 R
-		201846-1	. . CLAMP KIT		01 R
-		203618-1	. . JACK SCREW		ARR
-		AN340-3	. . NUT		ARR
-		S2099-4	. . SOCKET	80001 81142	ARR
-		S2099-3	. . CONTACT	81143 & ON	ARR
	HI022	S1360-5L	. CIRCUIT BREAKER WARNING (ZONE 224)		01 R
	JC001	S2349-5	. CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01 R
-		S2099-4	. . SOCKET		ARR
	JI006	770585-1	. CONNECTOR ANNUNCIATOR DISCONNECT (ZONE 225)	V00779	01 R
-		170365-3	. . CONTACT	V00779	ARR
-		S3556-26	. . CONTACT		01 R
	JI021	RD9F00JVL0	. CONNECTOR CLOCK (ZONE 220)	V28198	01 R
-		FC6020D	. . CONTACT	V28198	ARR
	JN005	S2800-276	. CONNECTOR KIT OIL PRESSURE SWITCH (ZONE 120)		01 R
	PB018	S2800-274	. CONNECTOR KIT JUNCTION BOX DISCONNECT (ZONE 121)		01 R
	PC001	S2350-10	. CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01 R
-		S2353-4	. . PIN		ARR
-		S2353-5	. . PIN		ARR
	SN001	83278	. SWITCH OIL PRESSURE (ZONE 120)	V74400 80831 & ON 8348 & ON	01 R
	TF002	CNP-100-001	. PROBE OUTSIDE AIR TEMPERATURE (ZONE 210)	V65907 81098 81142 9063 9288	01 R
	UI005	CSEWCA-01	. PANEL ANNUNCIATOR (ZONE 220)	V0GZF3 80001 80983 8001 8703	01 R

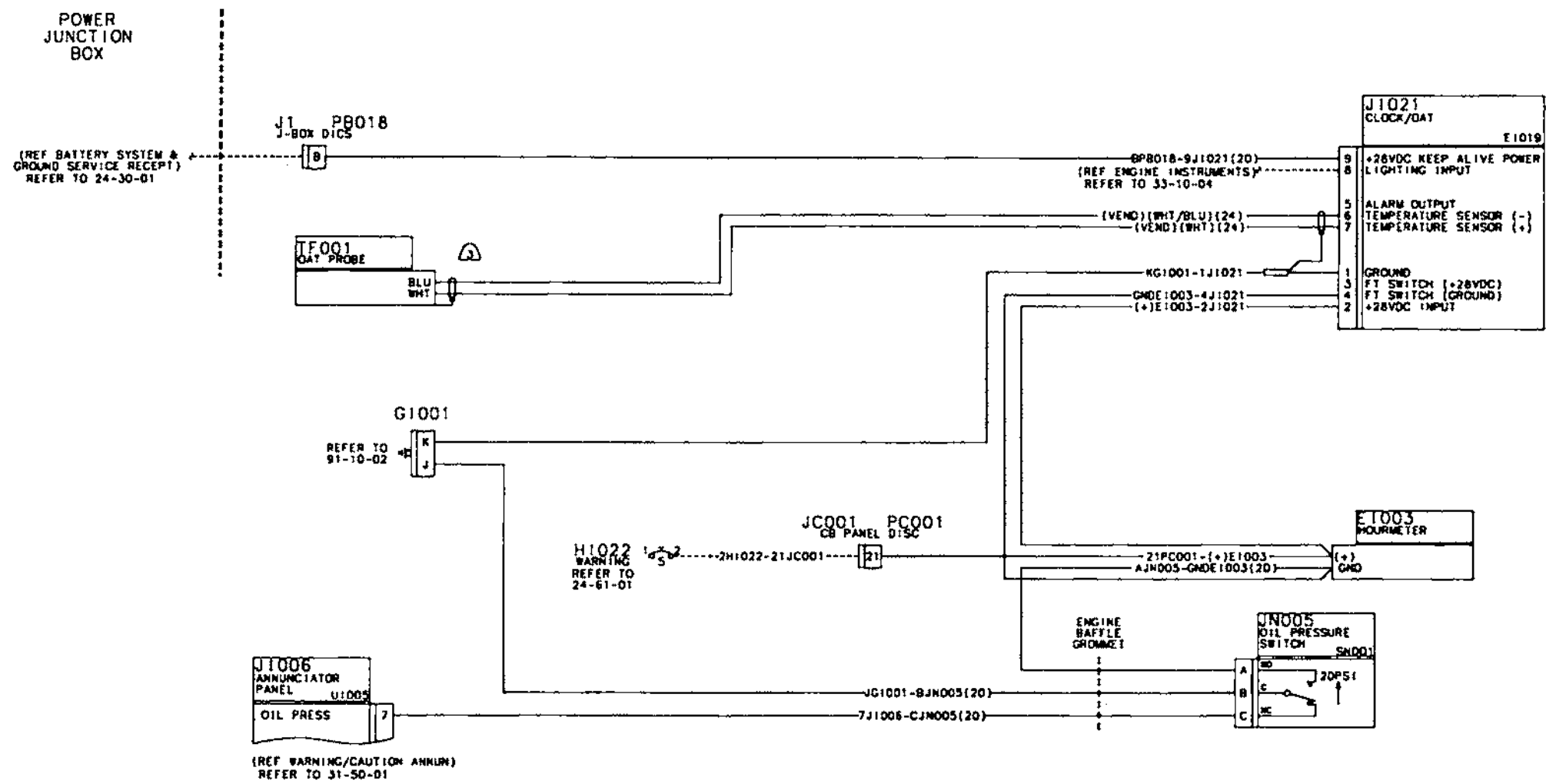
- ITEM NOT ILLUSTRATED

Figure 04

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

- NOTES:
- 1. ALL WIRE 22AWG, EXCEPT AS NOTED.
 - 2. WIRE & CONNECTOR SUPPLIED WITH CLOCK.
 - 3. WIRES SUPPLIED WITH OAT PROBE ARE POLARITY SENSITIVE. DO NOT SWAP.



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CLOCK, OAT AND HOURMETER
Figure 05 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

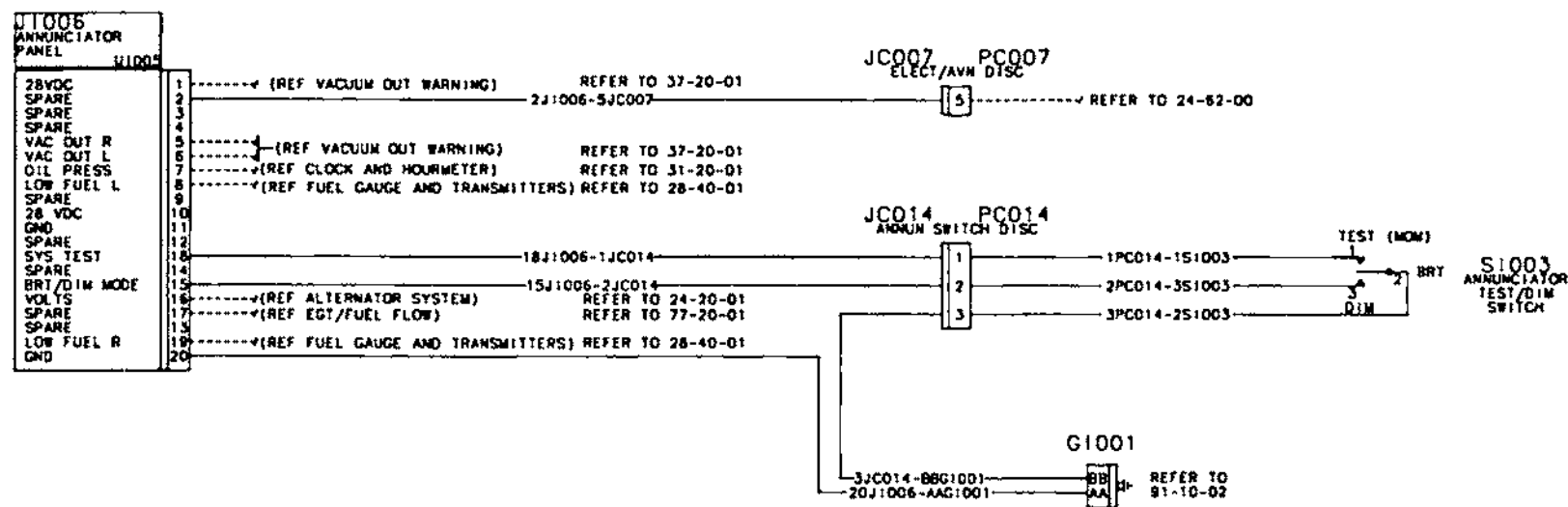
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
		1 2 3 4 5 6 7			ASSY
05			CLOCK, OAT AND HOURMETER 17281143 & ON 172S9289 & ON WITHOUT NAV III OPTION		
	EI003	S1493-1	. HOURMETER (ZONE 221)		01 R
	EI019	M803B-2-0/28V-B	. INDICATOR CLOCK/OAT (ZONE 220)	V63836 80301 81097 81143 & ON	01 R
	GI001	200838-2	. CONNECTOR GROUND (ZONE 211)	V00779 80884 & ON 8403 & ON	01 R
-		201846-1	. . CLAMP KIT		01 R
-		203618-1	. . JACK SCREW		AR R
-		AN340-3	. . NUT		AR R
-		S2099-4	. . SOCKET	80001 81142	AR R
-		S2099-3	. . CONTACT	81143 & ON	AR R
	HI022	S1360-5L	. CIRCUIT BREAKER WARNING (ZONE 224)		01 R
	J1		. CONNECTOR POWER JUNCTION BOX (ZONE 121)		RF R
	JC001	S2349-5	. SUPPLIED WITH VENDOR POWER JUNCTION BOX . CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01 R
-		S2099-4	. . SOCKET		AR R
	JI006	770585-1	. CONNECTOR ANNUNCIATOR DISCONNECT (ZONE 225)	V00779	01 R
-		170365-3	. . CONTACT	V00779	AR R
-		S3556-26	. . CONTACT		01 R
	JI021	RD9F00JVL0	. CONNECTOR CLOCK (ZONE 220)	V28198	01 R
-		FC6020D	. . CONTACT	V28198	AR R
	JN005	S2800-276	. CONNECTOR KIT OIL PRESSURE SWITCH (ZONE 120)		01 R
	PB018	S2800-274	. CONNECTOR KIT JUNCTION BOX DISCONNECT (ZONE 121)		01 R
	PC001	S2350-10	. CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01 R
-		S2353-4	. . PIN		AR R
-		S2353-5	. . PIN		AR R
	SN001	83278	. SWITCH OIL PRESSURE (ZONE 120)	V74400 80831 & ON 8348 & ON	01 R
	TF001	C307PRF-11	. ALSO INCLUDING AIRPLANES INCORPORATING SB00-79-01 . PROBE OUTSIDE AIR TEMPERATURE (ZONE 210)	V63131 80301 81097 81143 & ON	01 R
	UI005	CSEWCA-01	. PANEL ANNUNCIATOR (ZONE 220)	V0GZF3 80001 80983 8001 8703	01 R
	UI005	CSEWCA-03	. PANEL ANNUNCIATOR (ZONE 225)	V0GZF3 80984 & ON 8348 & ON	01 R
		S3294-4-8G1	. . SCREW		02 R

- ITEM NOT ILLUSTRATED

Figure 05

Page 1

NOTES:
1. ALL WIRE 22AWG, UNLESS OTHERWISE NOTED



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ANNUNCIATOR PANEL
Figure 01 (Sheet 1)

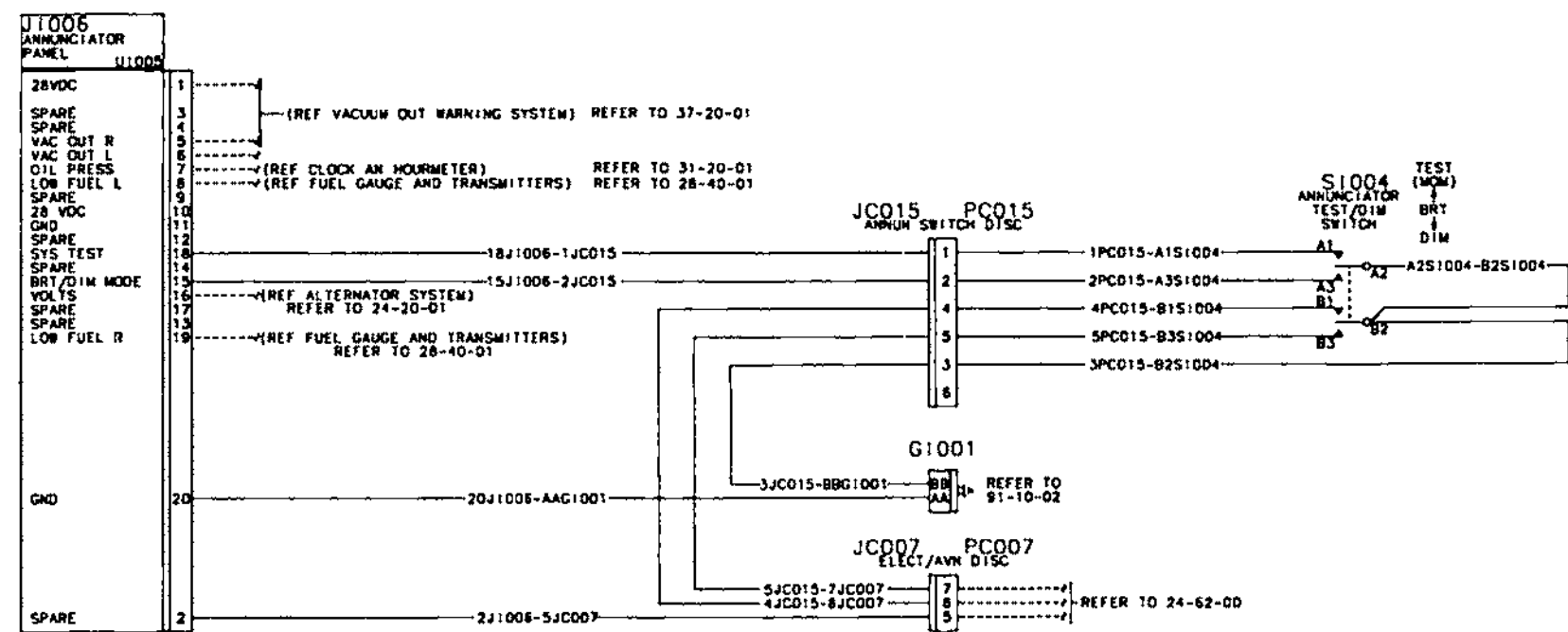
CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES		1 2 3 4 5 6 7		FROM TO	PER ASSY
01			ANNUNCIATOR PANEL 17280001 THRU 17280003		
	GI001	S2527-1	. CONNECTOR GROUND (ZONE 211)	80001 80883 8001 8402	01
-		203618-1	. . JACK SCREW		AR
-		AN340-3	. . NUT		AR
-		S2527-3	. . CLAMP		01
-		S2099-4	. . SOCKET	80001 81142	AR
	JC007	S1641-1	. CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 224).		01
-		S1636-1	. . PINS		AR
	JC014	S1638-1	. CONNECTOR ANNUNCIATOR TEST/DIM SWITCH DISCONNECT (ZONE 225)		01
-		S1636-4	. . SOCKETS		AR
	J1006	770585-1	. CONNECTOR ANNUNCIATOR DISCONNECT (ZONE 225)V00779		01
-		170365-3	. . CONTACT V00779		AR
-		S3556-26	. . CONTACT		01
	PC007	S1640-9	. CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220).		01
-		S1635-1	. . PIN		AR
	PC014	S1638-2	. CONNECTOR ANNUNCIATOR SWITCH DISCONNECT (ZONE 220)		01
-		S1635-1	. . PIN		AR
	SI003	S1695-5	. SWITCH ANNUNCIATOR TEST/DIM (ZONE 225)	80001 80003	01
	UI005	CSEWCA-01	. PANEL ANNUNCIATOR (ZONE 220)	V0GZF3 80001 80983 8001 8703	01

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

NOTES:
1. ALL WIRE 22AWG, UNLESS OTHERWISE NOTED.



0570581G2

ANNUNCIATOR PANEL
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
			1 2 3 4 5 6 7		ASSY
02			ANNUNCIATOR PANEL		
			17280004 THRU 17280830		
	GI001	S2527-1	. CONNECTOR GROUND (ZONE 211)	80001 80883	01
				8001 8402	
-		203618-1	. . JACK SCREW		AR
-		AN340-3	. . NUT		AR
-		S2527-3	. . CLAMP		01
-		S2099-4	. . SOCKET	80001 81142	AR
JC007		S1641-1	. CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 224).		01
-		S1636-1	. . PINS		AR
JC015		S1641-6	. CONNECTOR ANNUNCIATOR TEST/DIM SWITCH (ZONE 225) . . .		01
-		S1636-1	. . PINS		AR
JI006		770585-1	. CONNECTOR ANNUNCIATOR DISCONNECT (ZONE 225)V00779		01
-		170365-3	. . CONTACT	V00779	AR
-		S3556-26	. . CONTACT		01
PC007		S1640-9	. CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220).		01
-		S1635-1	. . PIN		AR
PC015		S1640-6	. CONNECTOR ANNUNCIATOR TEST/DIMMING (ZONE 225)		01
-		S1635-1	. . PIN		AR
-		S1635-2	. . PIN		AR
SI004		S1696-5	. SWITCH ANNUNCIATOR TEST/DIM (ZONE 225)	80004 80883	01
				8001 8402	
UI005	CSEWCA-01		. PANEL ANNUNCIATOR (ZONE 220)V0GZF3	80001 80983	01
				8001 8703	

- ITEM NOT ILLUSTRATED

Figure 02

Page 1

CESSNA AIRCRAFT COMPANY

MODEL 172

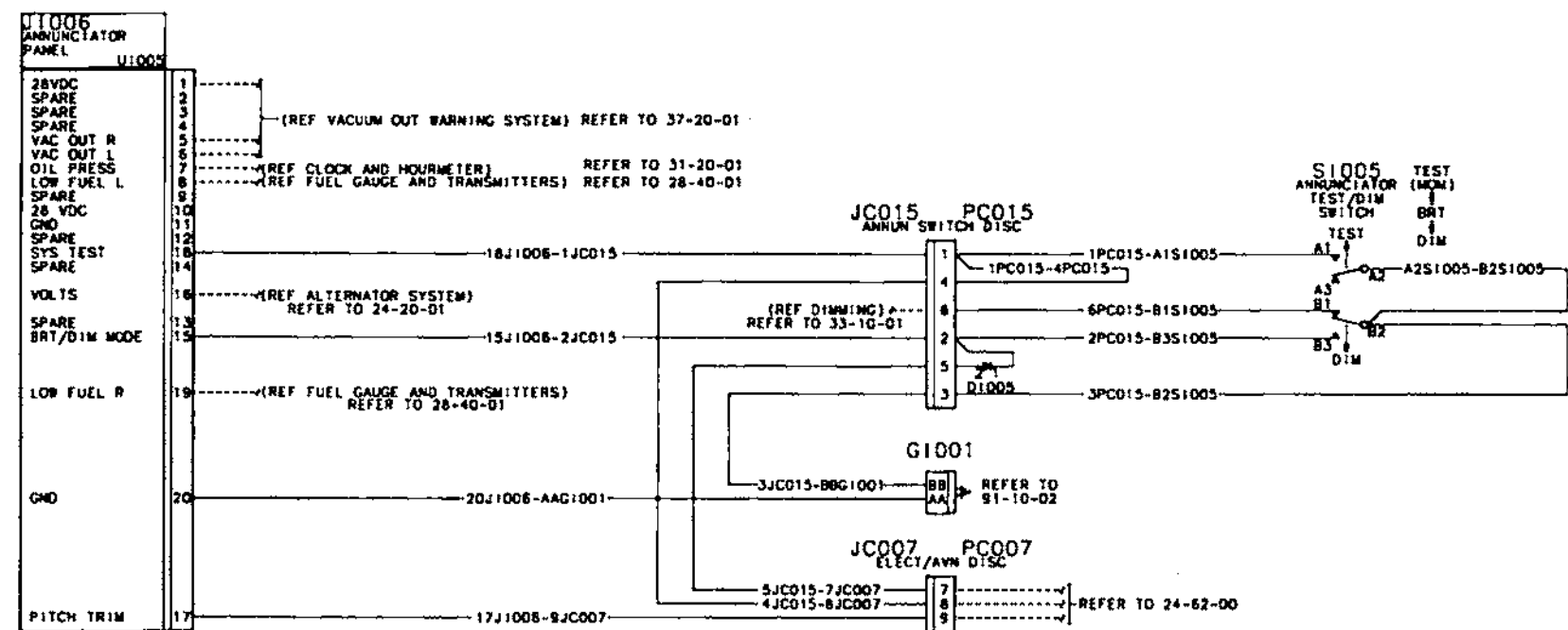
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES		1 2 3 4 5 6 7		FROM TO	PER ASSY
03			ANNUNCIATOR PANEL		
			17280831 THRU 17280883		
			172S8001 THRU 172S8402		
	GI001	S2527-1	. CONNECTOR GROUND (ZONE 211)	80001 80883	01
	-	203618-1	. . JACK SCREW	8001 8402	AR
	-	AN340-3	. . NUT		AR
	-	S2527-3	. . CLAMP		01
	-	S2099-4	. . SOCKET	80001 81142	AR
	JC007	S1641-1	. CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 224).		01
	-	S1636-1	. . PINS		AR
	JC015	S1641-6	. CONNECTOR ANNUNCIATOR TEST/DIM SWITCH (ZONE 225) . . .		01
	-	S1636-1	. . PINS		AR
	J1006	770585-1	. CONNECTOR ANNUNCIATOR DISCONNECT (ZONE 225)	V00779	01
	-	170365-3	. . CONTACT	V00779	AR
	-	S3556-26	. . CONTACT		01
	PC007	S1640-9	. CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220).		01
	-	S1635-1	. . PIN		AR
	PC015	S1640-6	. CONNECTOR ANNUNCIATOR TEST/DIMMING (ZONE 225)		01
	-	S1635-1	. . PIN		AR
	-	S1635-2	. . PIN		AR
	S1004	S1696-5	. SWITCH ANNUNCIATOR TEST/DIM (ZONE 225)	80004 80883	01
				8001 8402	
	UI005	CSEWCA-01	. PANEL ANNUNCIATOR (ZONE 220)	V0GZF3 80001 80983	01
				8001 8703	

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

NOTES:
1. ALL WIRE 22AWG, UNLESS OTHERWISE NOTED.



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ANNUNCIATOR PANEL
Figure 04 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
04			ANNUNCIATOR PANEL		
			17280884 & ON		
			172S8403 & ON		
			WITHOUT NAV III OPTION		
	DI005	1N4006	. DIODE (ZONE 220)	80884 & ON	01 R
				8403 & ON	
	GI001	200838-2	. CONNECTOR GROUND (ZONE 211)	80884 & ON	01
				8403 & ON	
-		201846-1	. . CLAMP KIT		01
-		203618-1	. . JACK SCREW		AR
-		AN340-3	. . NUT		AR
-		S2099-4	. . SOCKET	80001 81142	AR
-		S2099-3	. . CONTACT	81143 & ON	AR
JC007		S1641-1	. CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 224).		01
		S1636-1	. . PINS		AR
JC015		S1641-6	. CONNECTOR ANNUNCIATOR TEST/DIM SWITCH (ZONE 225) . . .		01
		S1636-1	. . PINS		AR
JI006		770585-1	. CONNECTOR ANNUNCIATOR DISCONNECT (ZONE 225)	V00779	01
-		170365-3	. . CONTACT	V00779	AR
-		S3556-26	. . CONTACT		01
PC007		S1640-9	. CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220).		01
-		S1635-1	. . PIN		AR
PC015		S1640-6	. CONNECTOR ANNUNCIATOR TEST/DIMMING (ZONE 225)		01
-		S1635-1	. . PIN		AR
-		S1635-2	. . PIN		AR
SI005		S1696-6	. SWITCH ANNUNCIATOR TEST/DIM (ZONE 220)	80884 & ON	01
				8403 & ON	
UI005		CSEWCA-01	. PANEL ANNUNCIATOR (ZONE 220)	V0GZF3 80001 80983	01 R
				8001 8703	
UI005		CSEWCA-03	. PANEL ANNUNCIATOR (ZONE 225)	V0GZF3 80984 & ON	01 R
				8348 & ON	
		S3294-4-8G1	. . SCREW		02 R

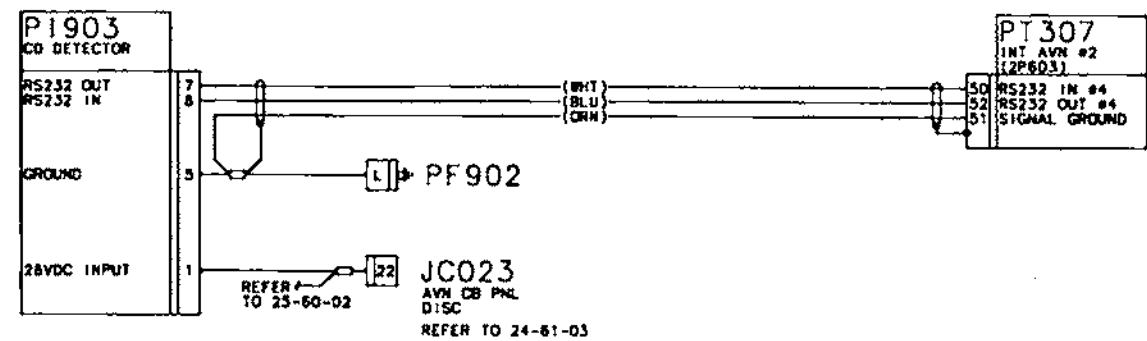
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Figure 04

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

NOTES:
ALL WIRES ARE 22GA UNLESS OTHERWISE SPECIFIED.



3929154A1

CO DETECTOR
Figure 01 (Sheet 1)

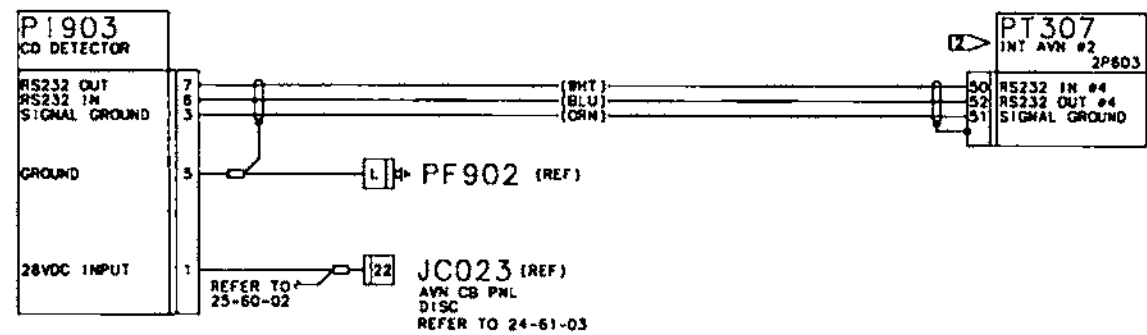
CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
01			CO DETECTOR 17281272 THRU 17281356 172S10102 THRU 172S10431		
JC023	S2350-10		. CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)	81241 & ON 9810 & ON	01
-	S2353-5		. . PIN		AR
PF902	SK2701		. CONNECTOR GROUND (ZONE 221)	V28198	01
-	FC116N2		. . CONTACT		AR
-	FC120N2		. . CONTACT	V28198	AR
PI903	205980-1		. RETAINER ASSEMBLY	V00779	01
-	S2340-9		. . HOUSING		01
-	S2341-1		. . SOCKET		01
PT307	330-00185-78		. CONNECTOR INTEGRATED AVIONICS BOX 2	81241 & ON 9810 & ON	01

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

- NOTES:
- ALL WIRES ARE 22GA UNLESS OTHERWISE SPECIFIED.
 - GROUND SHIELDS TO THE BACKSHELL OF THE CONNECTOR USING THE GARMIN SUPPLIED GROUNDING LUGS ON THE CONNECTOR. SHIELD WIRES SHOULD BE NO LONGER THAN 3". REFER TO GARMIN DOCUMENT 190-00313-09 FOR SHIELD BLOCK INSTALLATION INSTRUCTIONS.



CO DETECTOR
Figure 02 (Sheet 1)

3929159_1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
		1 2 3 4 5 6 7		
02		CO DETECTOR 17281357 & ON 172S10432 & ON		
JC023	S2350-10	. CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)	81241 & ON 9810 & ON	01 R
-	S2353-5	. . PIN		AR R
PF902	SK2701	. CONNECTOR GROUND (ZONE 221)	V28198	01 R
-	FC116N2	. . CONTACT		AR R
-	FC120N2	. . CONTACT	V28198	AR R
PI903	205980-1	. RETAINER ASSEMBLY	V00779	01 R
-	S2340-9	. . HOUSING		01 R
-	S2341-1	. . SOCKET		01 R
PT307	330-00185-78	. CONNECTOR INTEGRATED AVIONICS BOX 2.	81241 & ON 9810 & ON	01 R

- ITEM NOT ILLUSTRATED

CHAPTER

33

LIGHTS

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

<u>CHAPTER SECTION SUBJECT</u>	<u>NUMBER OF PAGES</u>	<u>DATE</u>
33-Title	1	
33-List of Effective Pages	1	Jan 1/2007
33-Record of Revisions	1	
33-Contents	1	Jan 20/2006
33-10-01	Figure 01	2 Jan 20/2006
	Figure 02	4 Jan 20/2006
	Figure 03	4 Jan 20/2006
	Figure 04	4 Jan 1/2007
33-10-02	Figure 01	2 Jan 20/2006
	Figure 02	2 Jan 20/2006
	Figure 03	2 Jan 20/2006
	Figure 04	2 Jan 20/2006
	Figure 05	2 Jan 20/2006
33-10-03	Figure 01	2 Jan 20/2006
	Figure 02	2 Jan 20/2006
33-10-04	Figure 01	2 Jan 20/2006
	Figure 02	2 Jan 20/2006
33-10-05	Figure 01	2 Jan 20/2006
	Figure 02	2 Jan 20/2006
	Figure 03	2 Jan 20/2006
	Figure 04	2 Jan 20/2006
	Figure 05	2 Jan 20/2006
33-10-06	Figure 01	2 Jan 20/2006
	Figure 02	2 Jan 20/2006
33-10-07	Figure 01	2 Jan 20/2006
33-10-08	Figure 01	2 Jan 20/2006
	Figure 02	2 Jan 20/2006
33-10-09	Figure 01	2 Jan 20/2006
33-40-01	Figure 01	2 Jan 20/2006
	Figure 02	2 Jan 20/2006
	Figure 03	2 Jan 20/2006
	Figure 04	2 Jan 20/2006
	Figure 05	2 Jan 20/2006
33-40-02	Figure 01	2 Jan 20/2006
	Figure 02	2 Jan 20/2006
	Figure 03	2 Jan 20/2006
	Figure 04	2 Jan 20/2006
33-40-03	Figure 01	2 Jan 20/2006
	Figure 02	2 Jan 20/2006
33-40-04	Figure 01	2 Jan 20/2006
	Figure 02	2 Jan 20/2006
	Figure 03	2 Jan 20/2006
33-40-05	Figure 01	2 Jan 20/2006
	Figure 02	2 Jan 20/2006
	Figure 03	2 Jan 20/2006

WIRING DIAGRAM MANUAL

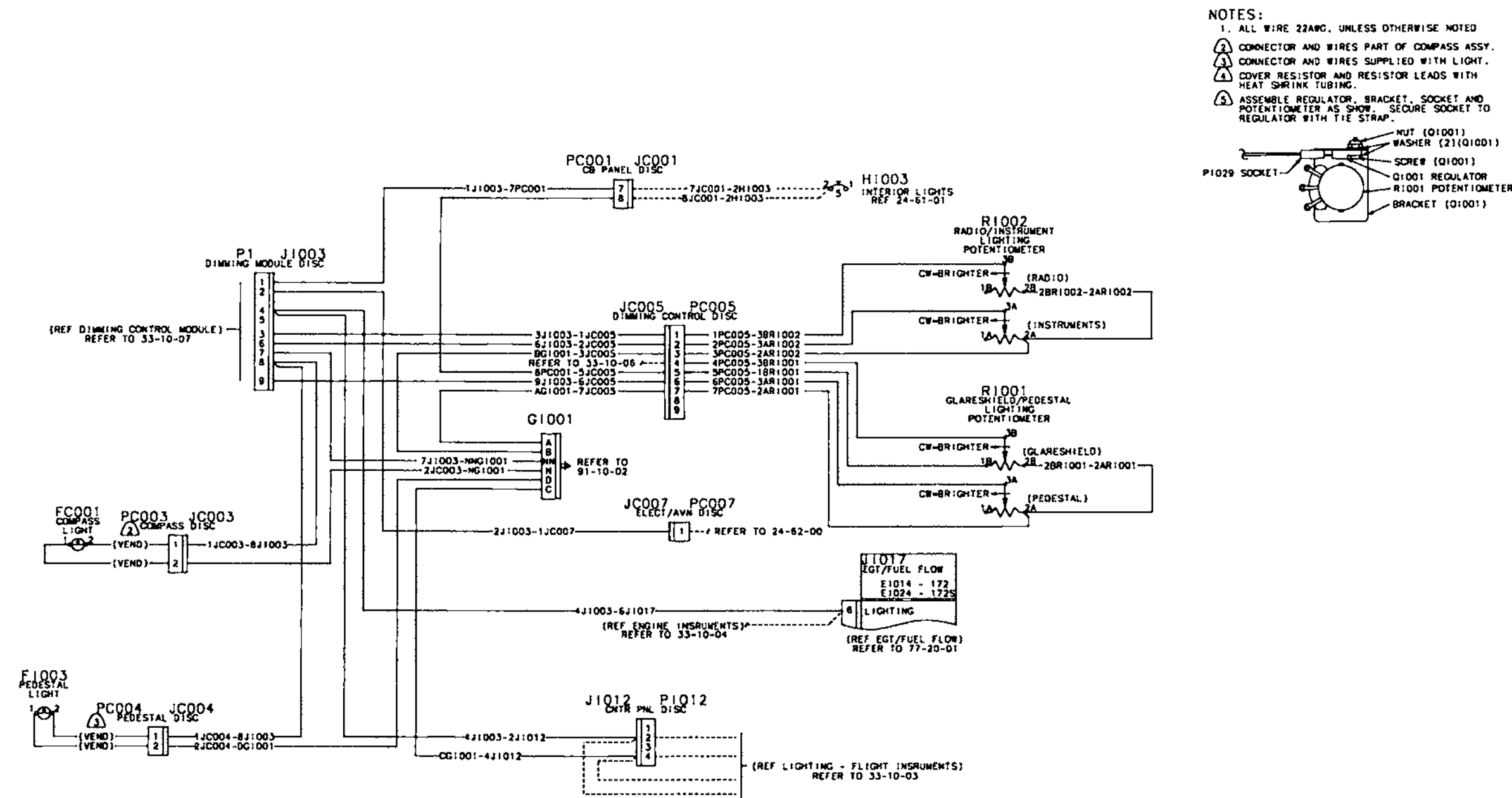
RECORD OF REVISIONS

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CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

<u>SUBJECT</u>	<u>CHAPTER/ SECTION/ SUBJECT</u>	<u>FIGURE</u>	<u>EFFECTIVITY</u> <u>START</u> <u>END</u>
INSTRUMENT DIMMING	33-10-01	01	
INSTRUMENT DIMMING	33-10-01	02	
INSTRUMENT DIMMING	33-10-01	03	
INSTRUMENT DIMMING	33-10-01	04	
MAP LIGHTS	33-10-02	01	
MAP LIGHTS	33-10-02	02	
MAP LIGHTS	33-10-02	03	
MAP LIGHTS	33-10-02	04	
MAP LIGHTS	33-10-02	05	
FLIGHT INSTRUMENT LIGHTING	33-10-03	01	
FLIGHT INSTRUMENT LIGHTING	33-10-03	02	
ENGINE INSTRUMENT LIGHTING	33-10-04	01	
ENGINE INSTRUMENT LIGHTING	33-10-04	02	
INTERIOR LIGHTING	33-10-05	01	
INTERIOR LIGHTING	33-10-05	02	
INTERIOR LIGHTING	33-10-05	03	
INTERIOR LIGHTING	33-10-05	04	
INTERIOR LIGHTING	33-10-05	05	
GLARESHIELD LIGHTING	33-10-06	01	
GLARESHIELD LIGHTING	33-10-06	02	
DIMMING CONTROL MODULE	33-10-07	01	
DIMMING CONTROL MODULE	33-10-08	01	
DIMMING CONTROL MODULE	33-10-08	02	
SECOND ALTIMETER OPTION LIGHTING	33-10-09	01	
NAVIGATION LIGHTS	33-40-01	01	
NAVIGATION LIGHTS	33-40-01	02	
NAVIGATION LIGHTS	33-40-01	03	
NAVIGATION LIGHTS	33-40-01	04	
NAVIGATION LIGHTS	33-40-01	05	
STROBE LIGHTS	33-40-02	01	
STROBE LIGHTS	33-40-02	02	
STROBE LIGHTS	33-40-02	03	
STROBE LIGHTS	33-40-02	04	
FLASHING BEACON	33-40-03	01	
FLASHING BEACON	33-40-03	02	
UNDER WING COURTESY LIGHTS	33-40-04	01	
UNDER WING COURTESY LIGHTS	33-40-04	02	
UNDER WING COURTESY LIGHTS	33-40-04	03	
LANDING AND TAXI LIGHTS	33-40-05	01	
LANDING AND TAXI LIGHTS	33-40-05	02	
LANDING AND TAXI LIGHTS	33-40-05	03	

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INSTRUMENT DIMMING
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

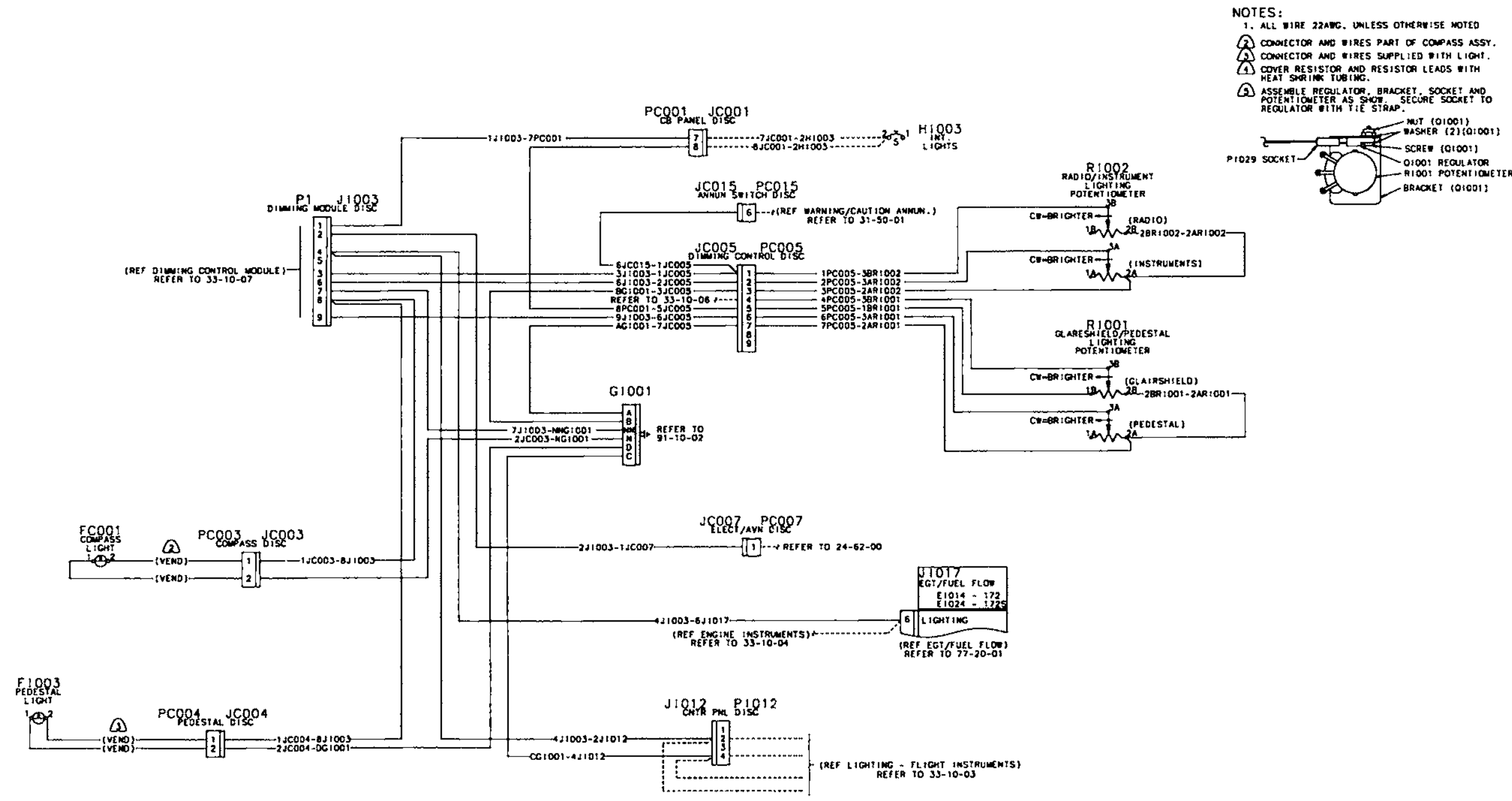
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
		1234567			
01			INSTRUMENT DIMMING		
			17280001 THRU 17280883		
			172S8001 THRU 172S8402		
	EI014	S3277-2	INDICATOR EGT/FUEL FLOW (ZONE 220)	80001 80906	01 R
-		S3277-6	ALTERNATE FOR S3277-2		01 R
-		S3484-6-14G1	SCREW		04 R
	EI024	S3277-4	INDICATOR EGT/FUEL FLOW (ZONE 220)	8001 8491	01 R
-	FC001	C660501-0103	LIGHT COMPASS (ZONE 220)		01
-		MS25237-327	LIGHT BULB		01
-	FI003	MS25231-1829	LIGHT PEDESTAL (ZONE 211)		01
-		S2524-1	SOCKET		01
-	GI001	S2527-1	CONNECTOR GROUND (ZONE 211)	80001 80883	01
-		203618-1	JACK SCREW	8001 8402	AR
-		AN340-3	NUT		AR
-		S2527-3	CLAMP		01
-		S2099-4	SOCKET	80001 81142	AR
	HI003	S1360-5L	CIRCUIT BREAKER INTERIOR LIGHTS (ZONE 224)		01
-	JC001	S2349-5	CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01
-		S2099-4	SOCKET		AR
-	JC003	S2035-2	CONNECTOR COMPASS LIGHT DISCONNECT (ZONE 225)		01
-		S1636-1	PINS		AR
-	JC004	S2035-2	CONNECTOR PEDESTAL LIGHT DISCONNECT (ZONE 224)		01
-		S1636-1	PINS		AR
-	JC005	S1641-9	CONNECTOR DIMMING CONTROL MODULE (ZONE 225)		01
-		S1636-1	PINS		AR
-	JC007	S1641-1	CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 224)		01
-		S1636-1	PINS		AR
-	JI003	S1641-9	CONNECTOR DIMMING CONTROL MODULE (ZONE 225)		01
-		S1636-1	PINS		AR
-		S1636-2	SOCKETS		AR
-	JI012	S1638-5	CONNECTOR CENTER INSTRUMENT PANEL DISCONNECT (ZONE 220)		01
-		S1636-2	SOCKETS		AR
-	JI017	S2349-3	CONNECTOR EGT/FUEL FLOW INDICATOR (ZONE 220)		01
-		S2099-3	CONTACT		AR
-		S2099-4	SOCKET		AR
-		S2414-1	KEYING PLUG		AR
-	P1	S1641-9	CONNECTOR (ZONE 225)		01
-		S1636-1	SOCKET		AR
-	PC001	S2350-10	CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01
-		S2353-4	PIN		AR
-		S2353-5	PIN		AR
-	PC003	S2035-1	CONNECTOR COMPASS		01
-	PC004	S2035-1	CONNECTOR PEDESTAL DISCONNECT	80001 80983	01
-				8001 8703	
-		S1635-1	PIN		AR
-	PC005	S1640-9	CONNECTOR DIMMING CONTROL MODULE DISCONNECT (ZONE 225)		01
-		S1635-1	PIN		AR
-		S1635-2	PIN		AR
-	PC007	S1640-9	CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220)		01
-		S1635-1	PIN		AR
-	PI012	S1638-4	CONNECTOR CENTER PANEL DISCONNECT (ZONE 225)		01
-		S1635-1	PIN		AR
-	RI001	S2091-9	RESISTOR DIMMING CONTROL VARIABLE (ZONE 225)		01
-	RI002	S2091-9	RESISTOR DIMMING CONTROL VARIABLE (ZONE 225)		01

- ITEM NOT ILLUSTRATED

Figure 01

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CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



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INSTRUMENT DIMMING
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

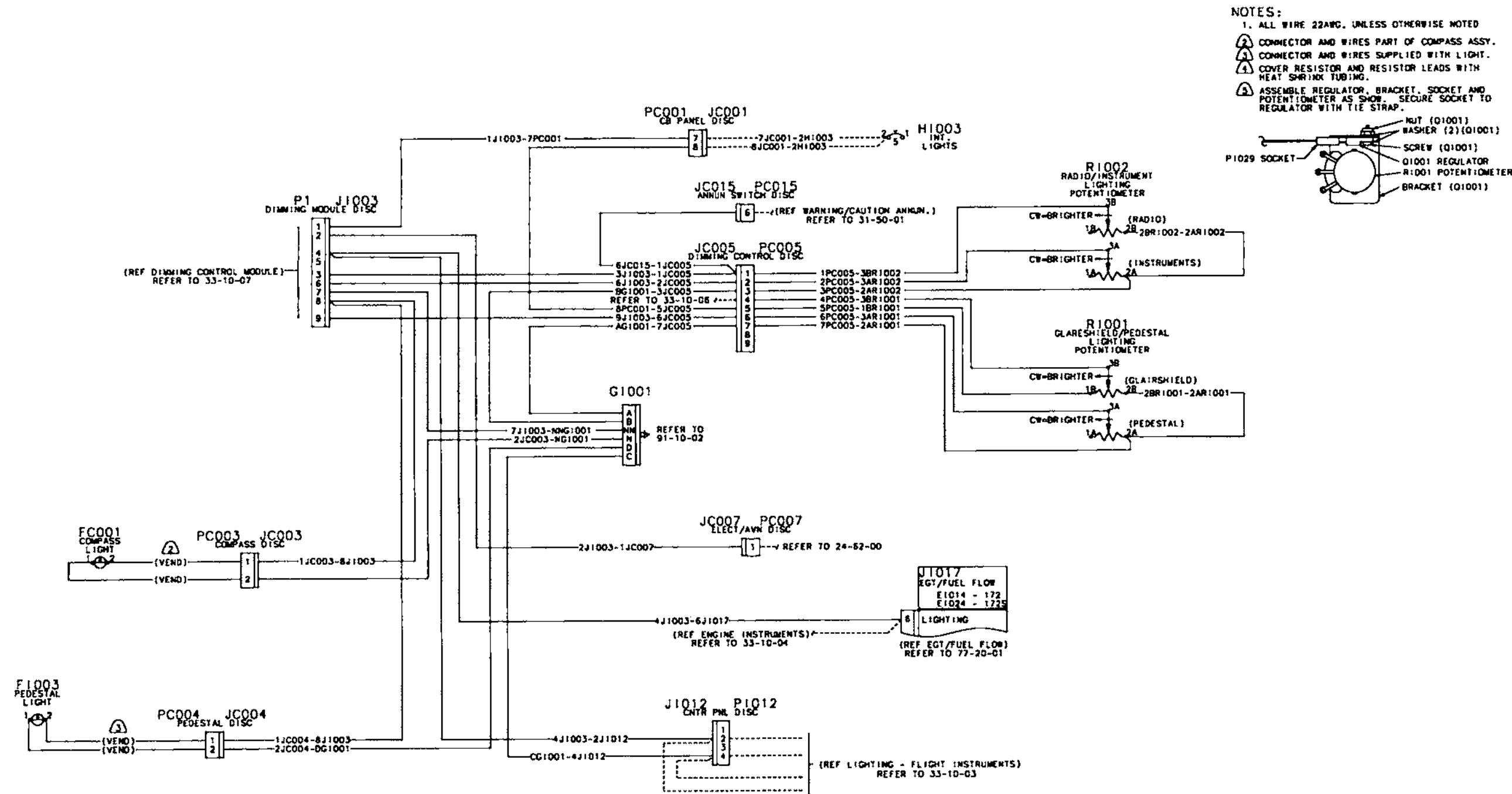
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
		1234567			ASSY
02			INSTRUMENT DIMMING		
			17280884 THRU 17280983		
			172S8403 THRU 172S8703		
	EI014	S3277-2	INDICATOR EGT/FUEL FLOW (ZONE 220)	80001 80906	01 R
		S3277-6	ALTERNATE FOR S3277-2		01 R
		S3484-6-14G1	SCREW		04 R
	EI014	S3277-6	INDICATOR EGT/FUEL FLOW (ZONE 220)	80907 & ON	01
	EI024	S3277-8	INDICATOR EGT/FUEL FLOW (ZONE 220)	8492 & ON	01 R
	EI024	S3277-4	INDICATOR EGT/FUEL FLOW (ZONE 220)	8001 8491	01 R
	FC001	C660501-0103	LIGHT COMPASS (ZONE 220)		01
		MS25237-327	LIGHT BULB		01
	FI003	MS25231-1829	LIGHT PEDESTAL (ZONE 211)		01
		S2524-1	SOCKET		01
	GI001	200838-2	CONNECTOR GROUND (ZONE 211)	V00779 80884 & ON	01
				8403 & ON	
		201846-1	CLAMP KIT		01
		203618-1	JACK SCREW		AR
		AN340-3	NUT		AR
		S2099-4	SOCKET	80001 81142	AR
		S2099-3	CONTACT	81143 & ON	AR
	HI003	S1360-5L	CIRCUIT BREAKER INTERIOR LIGHTS (ZONE 224)		01
	JC001	S2349-5	CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01
		S2099-4	SOCKET		AR
	JC003	S2035-2	CONNECTOR COMPASS LIGHT DISCONNECT (ZONE 225)		01
		S1636-1	PINS		AR
	JC004	S2035-2	CONNECTOR PEDESTAL LIGHT DISCONNECT (ZONE 224)		01
		S1636-1	PINS		AR
	JC005	S1641-9	CONNECTOR DIMMING CONTROL MODULE (ZONE 225)		01
		S1636-1	PINS		AR
	JC007	S1641-1	CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 224)		01
		S1636-1	PINS		AR
	JC015	S1641-6	CONNECTOR ANNUNCIATOR TEST/DIM SWITCH (ZONE 225)		01
		S1636-1	PINS		AR
	JI003	S1641-9	CONNECTOR DIMMING CONTROL MODULE (ZONE 225)		01
		S1636-1	PINS		AR
		S1636-2	SOCKETS		AR
	JI012	S1638-6	CONNECTOR CENTER INSTRUMENT PANEL DISCONNECT (ZONE 220)		01
	JI017	S2349-3	CONNECTOR EGT/FUEL FLOW INDICATOR (ZONE 220)		01
		S2099-3	CONTACT		AR
		S2099-4	SOCKET		AR
		S2414-1	KEYING PLUG		AR
	P1	S1641-9	CONNECTOR (ZONE 225)		01
		S1636-1	SOCKET		AR
	PC001	S2350-10	CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01
		S2353-4	PIN		AR
		S2353-5	PIN		AR
	PC003	S2035-1	CONNECTOR COMPASS		01
	PC004	S2035-1	CONNECTOR PEDESTAL DISCONNECT	80001 80983	01
				8001 8703	
		S1635-1	PIN		AR
	PC005	S1640-9	CONNECTOR DIMMING CONTROL MODULE DISCONNECT (ZONE 225)		01
		S1635-1	PIN		AR
		S1635-2	PIN		AR
	PC007	S1640-9	CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220)		01
		S1635-1	PIN		AR
	PC015	S1640-6	CONNECTOR ANNUNCIATOR TEST/DIMMING (ZONE 225)		01
		S1635-1	PIN		AR
		S1635-2	PIN		AR
	PI012	S1638-4	CONNECTOR CENTER PANEL DISCONNECT (ZONE 225)		01
		S1635-1	PIN		AR
	RI001	S2091-9	RESISTOR DIMMING CONTROL VARIABLE (ZONE 225)		01

- ITEM NOT ILLUSTRATED

Figure 02

Page 1

CESSNA AIRCRAFT COMPANY
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WIRING DIAGRAM MANUAL



INSTRUMENT DIMMING
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY

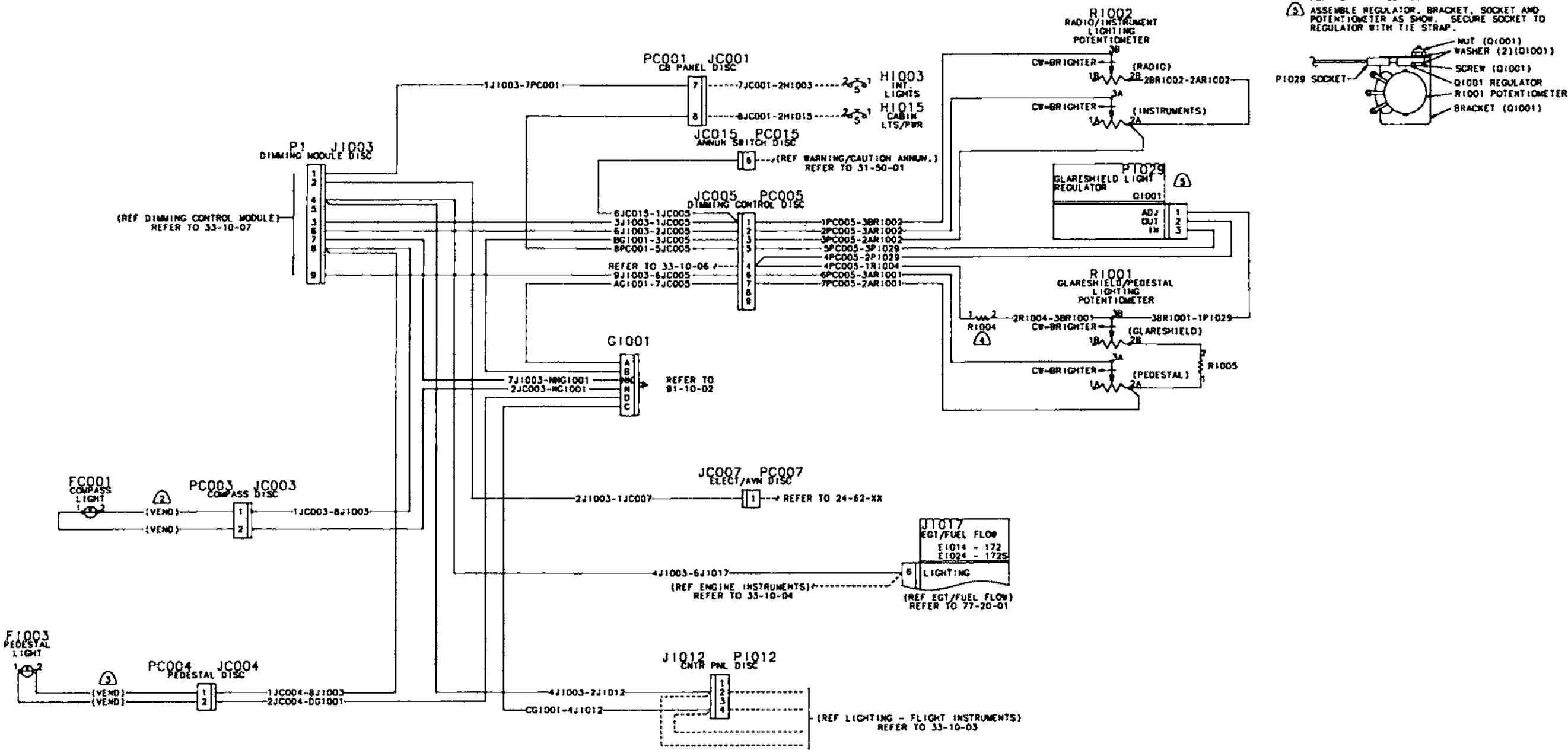
MODEL 172

WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
		1 2 3 4 5 6 7		
RI002	S2091-9	. RESISTOR DIMMING CONTROL VARIABLE (ZONE 225)		01

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
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WIRING DIAGRAM MANUAL



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INSTRUMENT DIMMING
Figure 03 (Sheet 1)

CESSNA AIRCRAFT COMPANY

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WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
03			INSTRUMENT DIMMING		
			17280984 & ON		
			172S8704 & ON		
			WITHOUT NAV III OPTION		
EI014	S3277-6		INDICATOR EGT/FUEL FLOW (ZONE 220)	80907 & ON	01
EI024	S3277-8		INDICATOR EGT/FUEL FLOW (ZONE 220)	8492 & ON	01 R
FC001	C660501-0103		LIGHT COMPASS (ZONE 220)		01
	MS25237-327		LIGHT BULB		01
FI003	MS25231-1829		LIGHT PEDESTAL (ZONE 211)		01
	S2524-1		SOCKET		01
GI001	200838-2		CONNECTOR GROUND (ZONE 211)	V00779 80884 & ON	01
				8403 & ON	
	201846-1		CLAMP KIT		01
	203618-1		JACK SCREW		AR
	AN340-3		NUT		AR
	S2099-4		SOCKET	80001 81142	AR
	S2099-3		CONTACT	81143 & ON	AR
HI003	S1360-5L		CIRCUIT BREAKER INTERIOR LIGHTS (ZONE 224)		01
HID15	S1360-5L		CIRCUIT BREAKER CABIN LIGHTS POWER (ZONE 224)	80984 & ON	01
				8704 & ON	
JC001	S2349-5		CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01
	S2099-4		SOCKET		AR
JC003	S2035-2		CONNECTOR COMPASS LIGHT DISCONNECT (ZONE 225)		01
	S1636-1		PINS		AR
JC004	S2035-2		CONNECTOR PEDESTAL LIGHT DISCONNECT (ZONE 224)		01
	S1636-1		PINS		AR
JC005	S1641-9		CONNECTOR DIMMING CONTROL MODULE (ZONE 225)		01
	S1636-1		PINS		AR
JC007	S1641-1		CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 224)		01
	S1636-1		PINS		AR
JC015	S1641-6		CONNECTOR ANNUNCIATOR TEST/DIM SWITCH (ZONE 225)		01
	S1636-1		PINS		AR
JI003	S1641-9		CONNECTOR DIMMING CONTROL MODULE (ZONE 225)		01
	S1636-1		PINS		AR
	S1636-2		SOCKETS		AR
JI012	S1638-6		CONNECTOR CENTER INSTRUMENT PANEL DISCONNECT (ZONE 220)		01
JI017	S2349-3		CONNECTOR EGT/FUEL FLOW INDICATOR (ZONE 220)		01
	S2099-3		CONTACT		AR
	S2099-4		SOCKET		AR
	S2414-1		KEYING PLUG		AR
P1	S1641-9		CONNECTOR (ZONE 225)		01
	S1636-1		SOCKET		AR
PC001	S2350-10		CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01
	S2353-4		PIN		AR
	S2353-5		PIN		AR
PC003	S2035-1		CONNECTOR COMPASS		01
PC004	S2035-1		CONNECTOR PEDESTAL DISCONNECT	80001 80983	01
				8001 8703	
	S1635-1		PIN		AR
PC005	S1640-9		CONNECTOR DIMMING CONTROL MODULE DISCONNECT (ZONE 225)		01
	S1635-1		PIN		AR
	S1635-2		PIN		AR
PC007	S1640-9		CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220)		01
	S1635-1		PIN		AR
PC015	S1640-6		CONNECTOR ANNUNCIATOR TEST/DIMMING (ZONE 225)		01
	S1635-1		PIN		AR
	S1635-2		PIN		AR
PI012	S1638-4		CONNECTOR CENTER PANEL DISCONNECT (ZONE 225)		01
	S1635-1		PIN		AR
PI029	08-50-0114		TERMINAL GLARESHIELD REGULATOR (ZONE 211)	V27264	03
	10-17-2032		SOCKET	V27264	AR

- ITEM NOT ILLUSTRATED

Figure 03

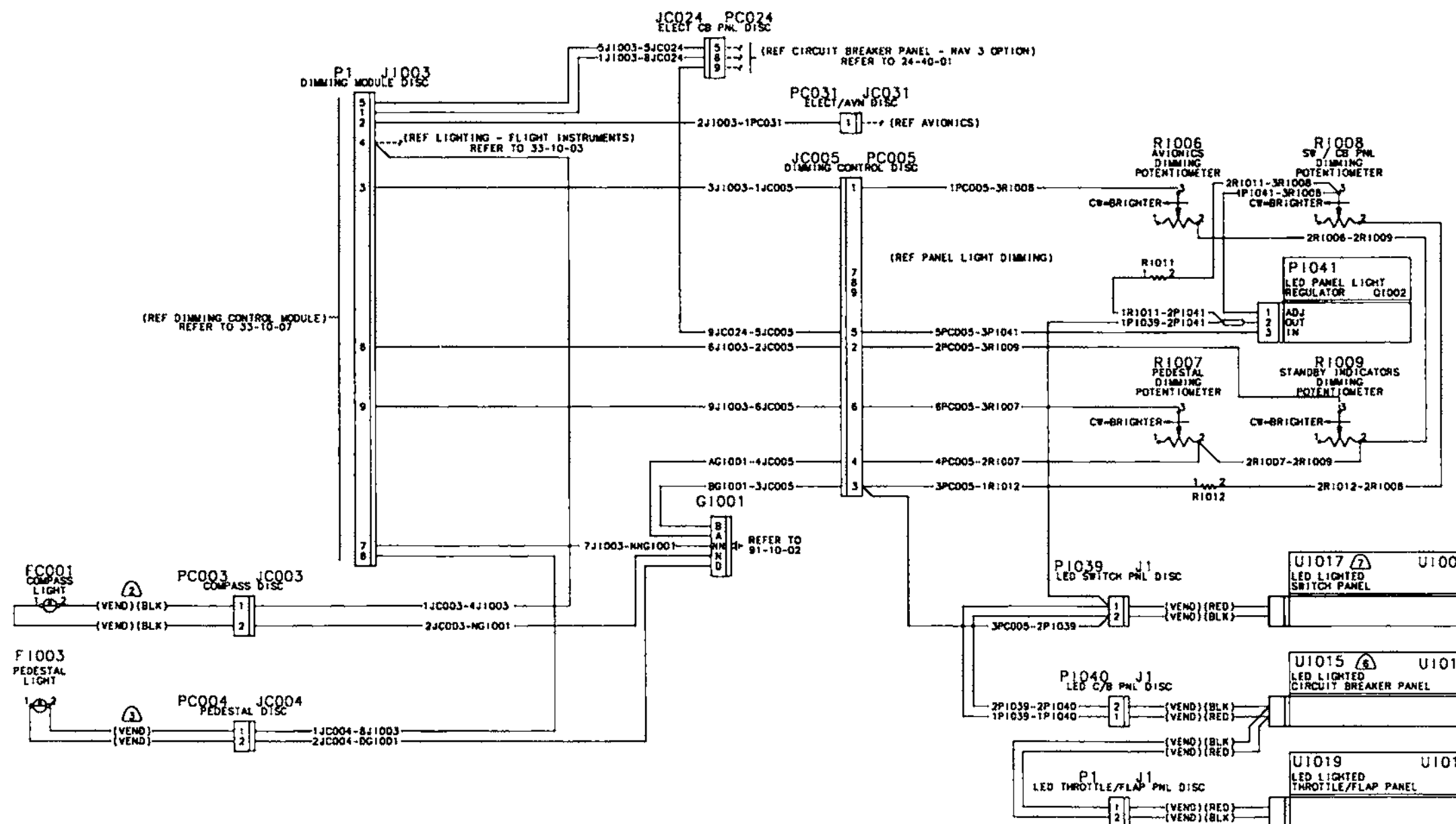
Page 1

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FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
		1 2 3 4 5 6 7		
Q1001	NJM317F	. REGULATOR GLARESHIELD LIGHT (ZONE 225)	VS5416	01 R
-	1218031-2	. . BRACKET		04 R
-	MS21044N04	. . NUT		01 R
-	MS35206-215	. . SCREW		01 R
-	NAS1149FN416P	. . WASHER		02 R
RI001	S2091-9	. RESISTOR DIMMING CONTROL VARIABLE (ZONE 225)		01
RI002	S2091-9	. RESISTOR DIMMING CONTROL VARIABLE (ZONE 225)		01
RI004	CCF-553740F	. RESISTOR DIMMING CONTROL (ZONE 225)	V91637	01
RI005	CCF-552611F	. RESISTOR DIMMING CONTROL (ZONE 225)	V91637	01

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
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NOTES:

1. ALL WIRE 22AWG, UNLESS OTHERWISE NOTED
 2. CONNECTOR AND WIRES PART OF COMPASS ASSY.
 3. CONNECTOR AND WIRES SUPPLIED WITH LIGHT.
 4. COVER RESISTOR AND RESISTOR LEADS WITH HEAT SHRINK TUBING.
 5. ASSEMBLE REGULATOR, BRACKET, SOCKET AND POTENTIOMETER AS SHOWN. SECURE SOCKET TO REGULATOR WITH TIE STRAP.
- P1029 SOCKET
 NUT (Q1001)
 WASHER (2)(Q1001)
 SCREW (Q1001)
 Q1001 REGULATOR
 R1001 POTENTIOMETER
 BRACKET (Q1001)
6. REF. DES. U1015 WAS U1010 PRIOR TO EC55910.
 7. REF. DES. U1017 WAS U1009 PRIOR TO EC56116.
 8. REF. DES. U1019 WAS U1014 PRIOR TO EC57701.

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INSTRUMENT DIMMING
 Figure 04 (Sheet 1)

CESSNA AIRCRAFT COMPANY

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WIRING DIAGRAM MANUAL

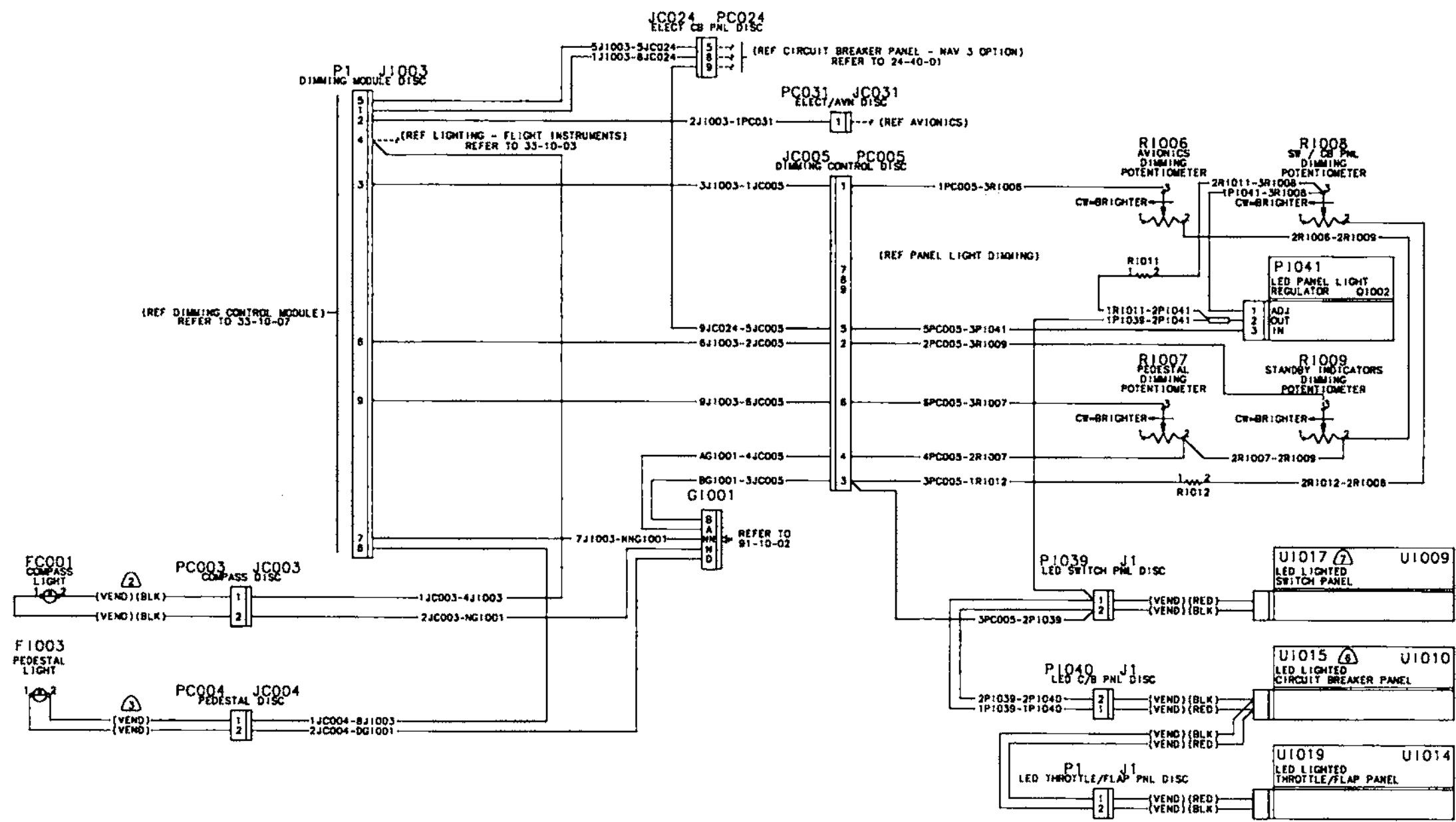
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
04			INSTRUMENT DIMMING		
			17281241 & ON		
			172S9810 & ON		
			WITH NAV III OPTION		
FC001	C660501-0103		.. LIGHT COMPASS (ZONE 220)		01
FI003	MS25237-327		.. LIGHT BULB		01
	MS25231-1829		.. LIGHT PEDESTAL (ZONE 211)		01
	S2524-1		.. SOCKET		01
GI001	200838-2		.. CONNECTOR GROUND (ZONE 211)	V00779 80884 & ON	01
				8403 & ON	
	201846-1		.. CLAMP KIT		01
	203618-1		.. JACK SCREW		AR
	AN340-3		.. NUT		AR
	S2099-4		.. SOCKET	80001 81142	AR
	S2099-3		.. CONTACT	81143 & ON	AR
JC003	S2035-2		.. CONNECTOR COMPASS LIGHT DISCONNECT (ZONE 225)		01
	S1636-1		.. PINS		AR
JC004	S2035-2		.. CONNECTOR PEDESTAL LIGHT DISCONNECT (ZONE 224)		01
	S1636-1		.. PINS		AR
JC005	S1641-9		.. CONNECTOR DIMMING CONTROL MODULE (ZONE 225)		01
	S1636-1		.. PINS		AR
JC024	S2350-3		.. CONNECTOR (ZONE 224)	81241 & ON	01
				9810 & ON	
	S2353-4		.. PIN		AR
	S2353-5		.. PIN		AR
JC031	S2350-4		.. CONNECTOR ELEC/AVN DISC	81241 & ON	01
				9810 & ON	
	S2353-5		.. CONTACT		AR
JI003	S1641-9		.. CONNECTOR DIMMING CONTROL MODULE (ZONE 225)		01
	S1636-1		.. PINS		AR
	S1636-2		.. SOCKETS		AR
P1	S1641-9		.. CONNECTOR (ZONE 225)		01
	S1636-1		.. SOCKET		AR
PC003	S2035-1		.. CONNECTOR COMPASS		01
PC004	S2035-1		.. CONNECTOR PEDESTAL DISCONNECT	80001 80983	01
				8001 8703	
	S1635-1		.. PIN		AR
PC005	S1640-9		.. CONNECTOR DIMMING CONTROL MODULE DISCONNECT (ZONE 225)		01
	S1635-1		.. PIN		AR
	S1635-2		.. PIN		AR
PC024	S2349-3		.. CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)	81241 & ON	01
				9810 & ON	
	S2099-3		.. CONTACT		AR
	S2099-4		.. CONTACT		AR
PC031	S2349-3		.. CONNECTOR AVN/ELEC DISC	81241 & ON	01
				9810 & ON	
	S2099-4		.. CONTACT		AR
PI039	S2035-2		.. CONNECTOR		01
	S1636-2		.. SOCKET		AR
PI040	S2035-2		.. CONNECTOR		01
	S1636-2		.. SOCKET		AR
PI041			.. CONNECTOR	V27264	RF
			.. SOCKET	V27264	
QI002	10-17-2032		.. REGULATOR ADJUSTABLE VOLTAGE		01
RI006	NJM317F		.. RESISTOR		01
RI007	S1904-5		.. RESISTOR		01
RI008	S1904-5		.. RESISTOR		01
RI009	S1904-5		.. RESISTOR		01
RI011	CCF-553740F		.. RESISTOR	V91637	01
RI012	CCF-552611F		.. RESISTOR	V91637	01
UI009	9910607-3		.. LED LIGHTED PANEL SWITCH (ZONE 220)	81241 81272	01
				9810 10102	
UI010	9910609-1		.. LED LIGHTED PANEL CIRCUIT BREAKER (ZONE 220)	81241 81271	01
				9810 10101	

- ITEM NOT ILLUSTRATED

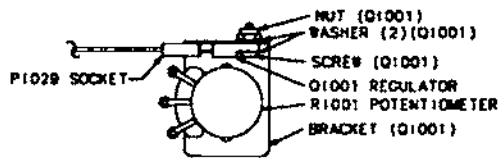
Figure 04

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



- NOTES:
- 1. ALL WIRE 22AWG, UNLESS OTHERWISE NOTED
 - 2. CONNECTOR AND WIRES PART OF COMPASS ASSY.
 - 3. CONNECTOR AND WIRES SUPPLIED WITH LIGHT.
 - 4. COVER RESISTOR AND RESISTOR LEADS WITH HEAT SHRINK TUBING.
 - 5. ASSEMBLE REGULATOR, BRACKET, SOCKET AND POTENTIOMETER AS SHOWN. SECURE SOCKET TO REGULATOR WITH TIE STRAP.
- REF. DES. U1015 WAS U1010 PRIOR TO EC55910.
REF. DES. U1017 WAS U1009 PRIOR TO EC56116.
REF. DES. U1019 WAS U1014 PRIOR TO EC57701.



INSTRUMENT DIMMING
Figure 04 (Sheet 1)

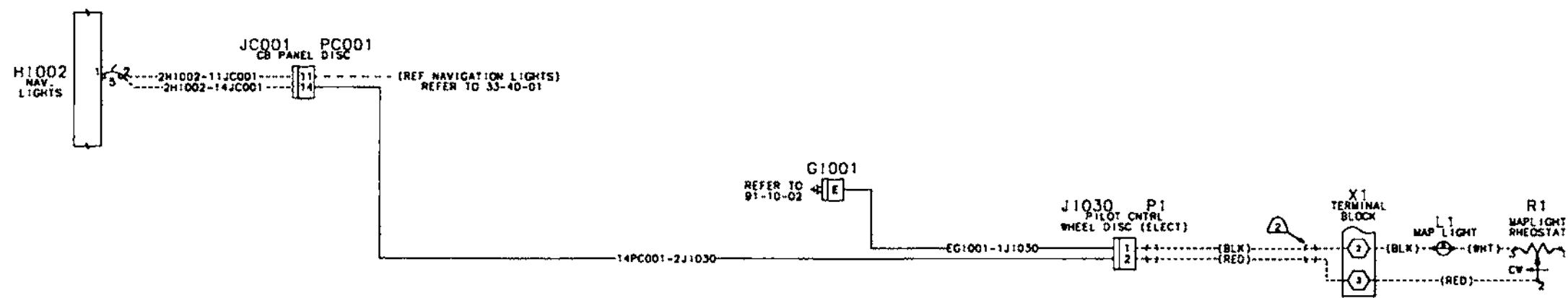
CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	1 2 3 4 5 6 7	NOMENCLATURE	EFFECTIVITY		UNITS PER ASSY
				FROM	TO	
UI014	9910610-1	.	LED LIGHTED PANEL THROTTLE/FLAP (ZONE 220)	81241	& ON	01
UI015	9910609-2	.	LED LIGHTED PANEL CIRCUIT BREAKER (ZONE 220).	9810	& ON	01
				81272	& ON	
UI017	9910607-5	.	LED LIGHTED PANEL SWITCH (ZONE 220).	10102	& ON	01
				81273	& ON	
UI019	9910610-2	.	LED LIGHTED PANEL THROTTLE/FLAP (ZONE 220)	10103	& ON	01 R
				81357	& ON	
				10432	& ON	

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

- NOTES:
- 1. ALL WIRE 22 AWG, EXCEPT AS NOTED
 - 2. PART OF COIL CORD (REF CONTROL WHEEL ASSY)
 - 3. WIRE, PIN (REF PY002), AND RING TERMINAL (REF GV001) SUPPLIED WITH LIGHT ASSY.
 - 4. WIRE, PIN & RING TERMINAL SUPPLIED WITH LIGHT ASSY.
 - 5. REF WING TIP ASSY FOR CONNECTOR CALLOUT.
 - 6. REF FUSELAGE WIRE ROUTING FOR CALLOUT OF CONNECTOR.
 - 7. REF DES J1506 CHANGES TO J1514 WITH NAVI1 PACKAGE.
 - 8. WIRE AND CONNECTOR SUPPLIED WITH LIGHT ASSY.



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MAP LIGHTS
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES		1 2 3 4 5 6 7		FROM TO	PER ASSY
01			MAP LIGHTS		
			17280001 THRU 17280003		
	GI001	S2527-1	. CONNECTOR GROUND (ZONE 211)	80001 80883	01 R
				8001 8402	
-		203618-1	. . JACK SCREW		AR R
-		AN340-3	. . NUT		AR R
-		S2527-3	. . CLAMP		01 R
-		S2099-4	. . SOCKET	80001 81142	AR R
	HI002	CM3589-5	. CIRCUIT BREAKER NAVIGATION LIGHT (ZONE 224)		01
-		S2122-1	. . NUT		01
	JC001	S2349-5	. CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01
-		S2099-4	. . SOCKET		AR
	JI030	S2035-2	. CONNECTOR		01 R
-		S1636-1	. . CONTACT		02 R
	L1	S2521-1	. MAP LIGHT CONTROL WHEEL (ZONE 222)		01
-		24RB	. . LIGHT BULB		AR
	P1		. CONNECTOR SUPPLIED WITH VENDOR ASSEMBLY (ZONE 520/620)		RF
	PC001	S2350-10	. CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01
-		S2353-4	. . PIN		AR
-		S2353-5	. . PIN		AR
	R1	S2619-1	. POTENTIOMETER RIGHT CONTROL WHEEL (ZONE 222)	80004 & ON	01
				8001 & ON	
	X1	0560059-4	. TERMINAL BLOCK (ZONE 222)	80001 80003	01 R
		329636	. . TERMINALS		05 R

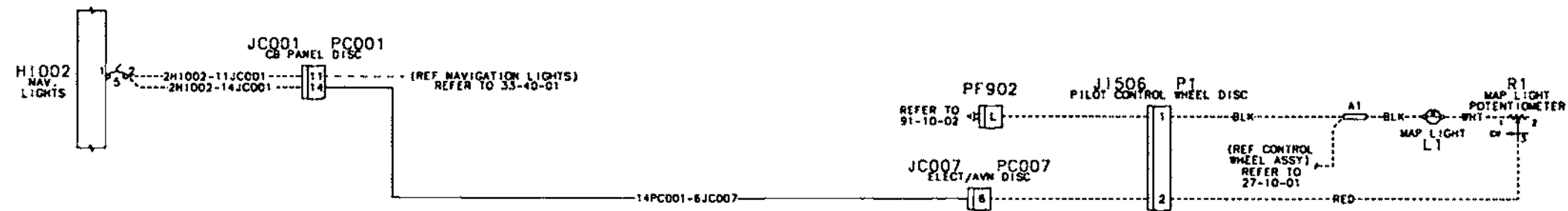
- ITEM NOT ILLUSTRATED

Figure 01
Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

NOTES:

1. ALL WIRE 22 AWG, EXCEPT AS NOTED
2. PART OF COIL CORD (REF CONTROL WHEEL ASSY)
3. WIRE, PIN (REF PV002), AND RING TERMINAL (REF GV001) SUPPLIED WITH LIGHT ASSY.
4. WIRE, PIN & RING TERMINAL SUPPLIED WITH LIGHT ASSY.
5. REF WING TIP ASSY FOR CONNECTOR CALLOUT.
6. REF FUSELAGE WIRE ROUTING FOR CALLOUT OF CONNECTOR.
7. REF DES J1506 CHANGES TO J1514 WITH NAV11 PACKAGE.
8. WIRE AND CONNECTOR SUPPLIED WITH LIGHT ASSY.



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MAP LIGHTS
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
			1 2 3 4 5 6 7		ASSY
02			MAP LIGHTS		
			17280004 THRU 17281200		
			172S8001 THRU 172S9568		
A1	S1370-1		 SPlice (ZONE 211)		01 R
HI002	CM3589-5		 CIRCUIT BREAKER NAVIGATION LIGHT (ZONE 224)		01 R
-	S2122-1		 NUT		01 R
JC001	S2349-5		 CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01 R
-	S2099-4		 SOCKET		AR R
JC007	S1641-1		 CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 224).		01 R
-	S1636-1		 PINS		AR R
J1506	S1641-6		 CONNECTOR PILOT'S CONTROL WHEEL DISCONNECT (ZONE 220)		01 R
-	S1636-1		 SOCKET		AR R
L1	S2521-1		 MAP LIGHT CONTROL WHEEL (ZONE 222)		01 R
-	24RB		 LIGHT BULB		AR R
P1			 CONNECTOR SUPPLIED WITH VENDOR ASSEMBLY (ZONE 520/620)		RF R
PC001	S2350-10		 CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01 R
-	S2353-4		 PIN		AR R
-	S2353-5		 PIN		AR R
PC007	S1640-9		 CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220).		01 R
-	S1635-1		 PIN		AR R
PF902	SK2701		 CONNECTOR GROUND (ZONE 221) V28198		01 R
-	FC116N2		 CONTACT		AR R
-	FC120N2		 CONTACT	V28198	AR R
R1	S2619-1		 POTENTIOMETER RIGHT CONTROL WHEEL (ZONE 222)	80004 & ON 8001 & ON	01 R

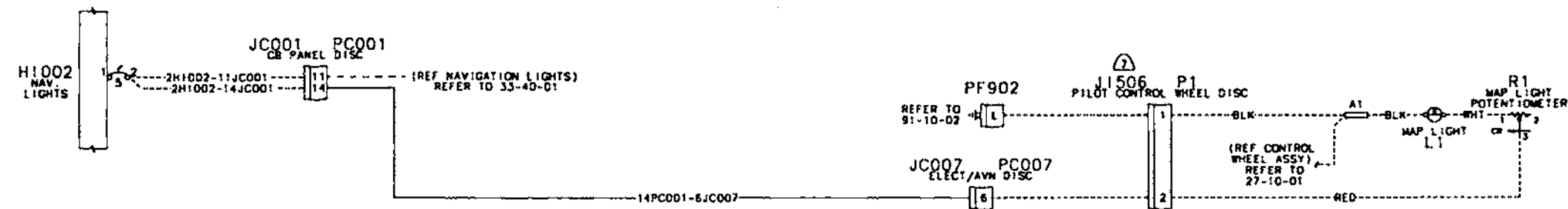
- ITEM NOT ILLUSTRATED

Figure 02

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

- NOTES:
- 1. ALL WIRE 22 AWG. EXCEPT AS NOTED
 - 2. PART OF COIL CORD (REF CONTROL WHEEL ASSY)
 - 3. WIRE, PIN (REF PV002), AND RING TERMINAL (REF GV001) SUPPLIED WITH LIGHT ASSY.
 - 4. WIRE, PIN & RING TERMINAL SUPPLIED WITH LIGHT ASSY.
 - 5. REF WING TIP ASSY FOR CONNECTOR CALLOUT.
 - 6. REF FUSELAGE WIRE ROUTING FOR CALLOUT OF CONNECTOR.
 - 7. REF DES J1506 CHANGES TO J1514 WITH NAVI1 PACKAGE.
 - 8. WIRE AND CONNECTOR SUPPLIED WITH LIGHT ASSY.



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MAP LIGHTS
Figure 03 (Sheet 1)

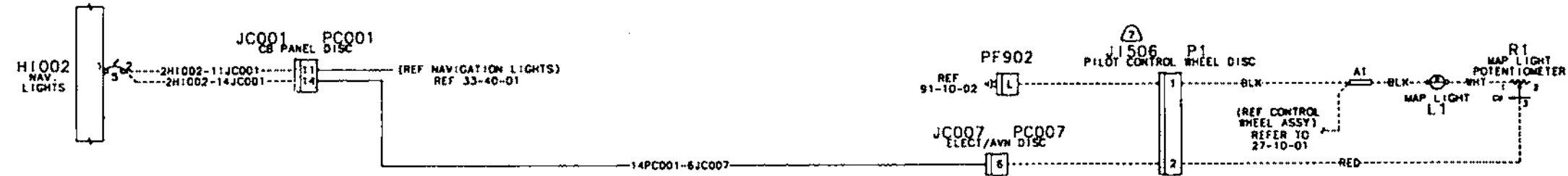
CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
		1 2 3 4 5 6 7		
03		MAP LIGHTS		
		17281201 THRU 17281233		
		172S9570 THRU 172S9770		
A1	S1370-1	. SPLICE (ZONE 211)		01 R
HI002	CM3589-5	. CIRCUIT BREAKER NAVIGATION LIGHT (ZONE 224)		01 R
-	S2122-1	. . NUT		01 R
JC001	S2349-5	. CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01 R
-	S2099-4	. . SOCKET		AR R
JC007	S1641-1	. CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 224).		01 R
-	S1636-1	. . PINS		AR R
J1506	S1641-6	. CONNECTOR PILOT'S CONTROL WHEEL DISCONNECT (ZONE 220)		01 R
-	S1636-1	. . SOCKET		AR R
L1	S2521-1	. MAP LIGHT CONTROL WHEEL (ZONE 222)		01 R
-	24RB	. . LIGHT BULB		AR R
P1		. CONNECTOR SUPPLIED WITH VENDOR ASSEMBLY (ZONE 520/620)		RF R
PC001	S2350-10	. CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01 R
-	S2353-4	. . PIN		AR R
-	S2353-5	. . PIN		AR R
PC007	S1640-9	. CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220).		01 R
-	S1635-1	. . PIN		AR R
PF902	SK2701	. CONNECTOR GROUND (ZONE 221) V28198		01 R
-	FC116N2	. . CONTACT		AR R
-	FC120N2	. . CONTACT	V28198	AR R
R1	S2619-1	. POTENTIOMETER RIGHT CONTROL WHEEL (ZONE 222)	80004 & ON 8001 & ON	01 R

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

- NOTES:
- 1. ALL WIRE 22 AWG, EXCEPT AS NOTED
 - 2. PART OF COIL CORD (REF CONTROL WHEEL ASSY)
 - 3. WIRE, PIN (REF PV002), AND RING TERMINAL (REF GV001) SUPPLIED WITH LIGHT ASSY.
 - 4. WIRE, PIN & RING TERMINAL SUPPLIED WITH LIGHT ASSY.
 - 5. REF WING TIP ASSY FOR CONNECTOR CALLOUT.
 - 6. REF FUSELAGE WIRE ROUTING FOR CALLOUT OF CONNECTOR.
 - 7. REF DES J1506 CHANGES TO J1514 WITH NAVII PACKAGE.
 - 8. WIRE AND CONNECTOR SUPPLIED WITH LIGHT ASSY.



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MAP LIGHTS
Figure 04 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

REF
DES

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
	DES			FROM TO	PER ASSY
04			MAP LIGHTS		
			17281234 & ON		
			172S9771 & ON		
			WITHOUT NAV III OPTION		
A1	S1370-1		. SPLICE (ZONE 211)		01 R
HI002	CM3589-5		. CIRCUIT BREAKER NAVIGATION LIGHT (ZONE 224)		01 R
-	S2122-1		. . NUT		01 R
JC001	S2349-5		. CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01 R
-	S2099-4		. . SOCKET		AR R
JC007	S1641-1		. CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 224)		01 R
-	S1636-1		. . PINS		AR R
J1506	S1641-6		. CONNECTOR PILOT'S CONTROL WHEEL DISCONNECT (ZONE 220)		01 R
-	S1636-1		. . SOCKET		AR R
L1	S2521-1		. MAP LIGHT CONTROL WHEEL (ZONE 222)		01 R
-	24RB		. . LIGHT BULB		AR R
P1			. CONNECTOR SUPPLIED WITH VENDOR ASSEMBLY (ZONE 520/620)		RF R
PC001	S2350-10		. CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01 R
-	S2353-4		. . PIN		AR R
-	S2353-5		. . PIN		AR R
PC007	S1640-9		. CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220)		01 R
-	S1635-1		. . PIN		AR R
PF902	SK2701		. CONNECTOR GROUND (ZONE 221)	V28198	01 R
-	FC116N2		. . CONTACT		AR R
-	FC120N2		. . CONTACT	V28198	AR R
R1	S2619-1		. POTENTIOMETER RIGHT CONTROL WHEEL (ZONE 222)	80004 & ON 8001 & ON	01 R

- ITEM NOT ILLUSTRATED

Figure 04

Page 1

- NOTES:
- 1. ALL WIRE 22 AWG, EXCEPT AS NOTED
 - 2. PART OF COIL CORD (REF CONTROL WHEEL ASSY)
 - 3. WIRE, PIN (REF PV002), AND RING TERMINAL (REF GV001) SUPPLIED WITH LIGHT ASSY.
 - 4. WIRE, PIN & RING TERMINAL SUPPLIED WITH LIGHT ASSY.
 - 5. REF WING TIP ASSY FOR CONNECTOR CALLOUT.
 - 6. REF FUSELAGE WIRE ROUTING FOR CALLOUT OF CONNECTOR.
 - 7. REF DES J1506 CHANGES TO J1514 WITH NAV11 PACKAGE.
 - 8. WIRE AND CONNECTOR SUPPLIED WITH LIGHT ASSY.



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MAP LIGHTS
Figure 05 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
		1 2 3 4 5 6 7			
05			MAP LIGHTS		
			17281241 & ON		
			172S9810 & ON		
			WITH NAV III OPTION		
A1	S1370-1		. SPLICE (ZONE 211)		01 R
JC026	S2350-3		. CONNECTOR SWITCH PANEL DISCONNECT (ZONE 224)	81241 & ON 9810 & ON	01 R
-	S2353-4		. . PIN		AR R
-	S2353-5		. . PIN		AR R
JC031	S2350-4		. CONNECTOR ELEC/AVN DISC	81241 & ON 9810 & ON	01 R
-	S2353-5		. . CONTACT		AR R
JJ514	S1641-9		. CONNECTOR PILOT'S CONTROL WHEEL DISCONNECT (ZONE 222)		01 R
-	S1636-1		. . SOCKET		AR R
L1	S2521-1		. MAP LIGHT CONTROL WHEEL (ZONE 222)		01 R
-	24RB		. . LIGHT BULB		AR R
P1			. CONNECTOR SUPPLIED WITH VENDOR ASSEMBLY (ZONE 520/620)		RF R
PC026	S2349-1		. CONNECTOR SWITCH PANEL (ZONE 224)	81241 & ON 9810 & ON	01 R
-	S2099-13		. . SOCKET		AR R
PC031	S2349-3		. CONNECTOR AVN/ELEC DISC	81241 & ON 9810 & ON	01 R
-	S2099-4		. . CONTACT		AR R
PF902	SK2701		. CONNECTOR GROUND (ZONE 221)	V28198	01 R
-	FC116N2		. . CONTACT		AR R
-	FC120N2		. . CONTACT	V28198	AR R
R1	S2619-1		. POTENTIOMETER RIGHT CONTROL WHEEL (ZONE 222)	80004 & ON 8001 & ON	01 R

- ITEM NOT ILLUSTRATED

Figure 05

Page 1

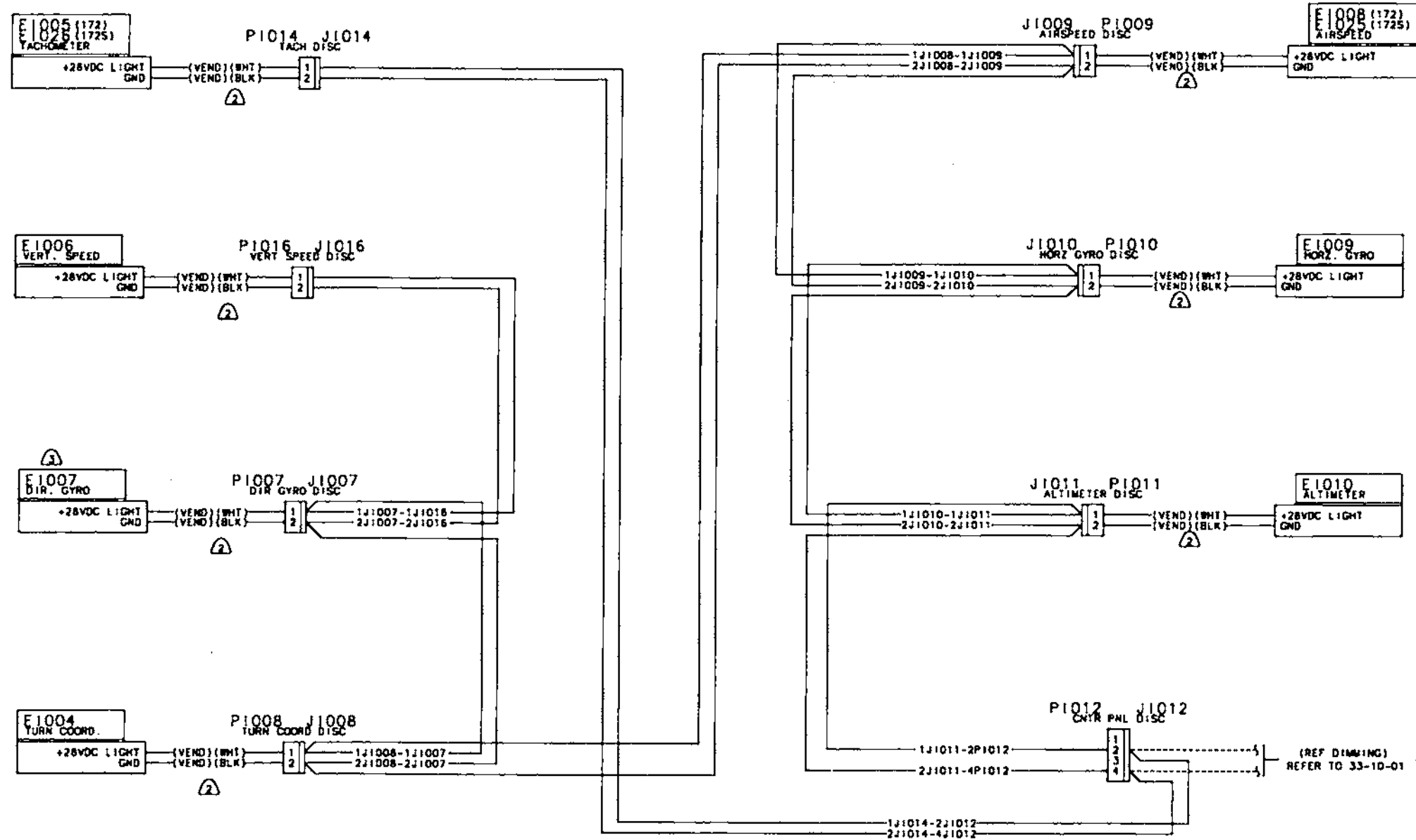
CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

NOTES:

1. ALL WIRE 22AWG, UNLESS OTHERWISE NOTED.

② WIRE & CONNECTOR SUPPLIED WITH INSTRUMENT.

③ DIRECTIONAL GYRO NOT INSTALLED WITH HSI OPTION.
 REFERENCE HSI OPTION WIRING FOR LIGHTING TO HSI.



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FLIGHT INSTRUMENT LIGHTING
 Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

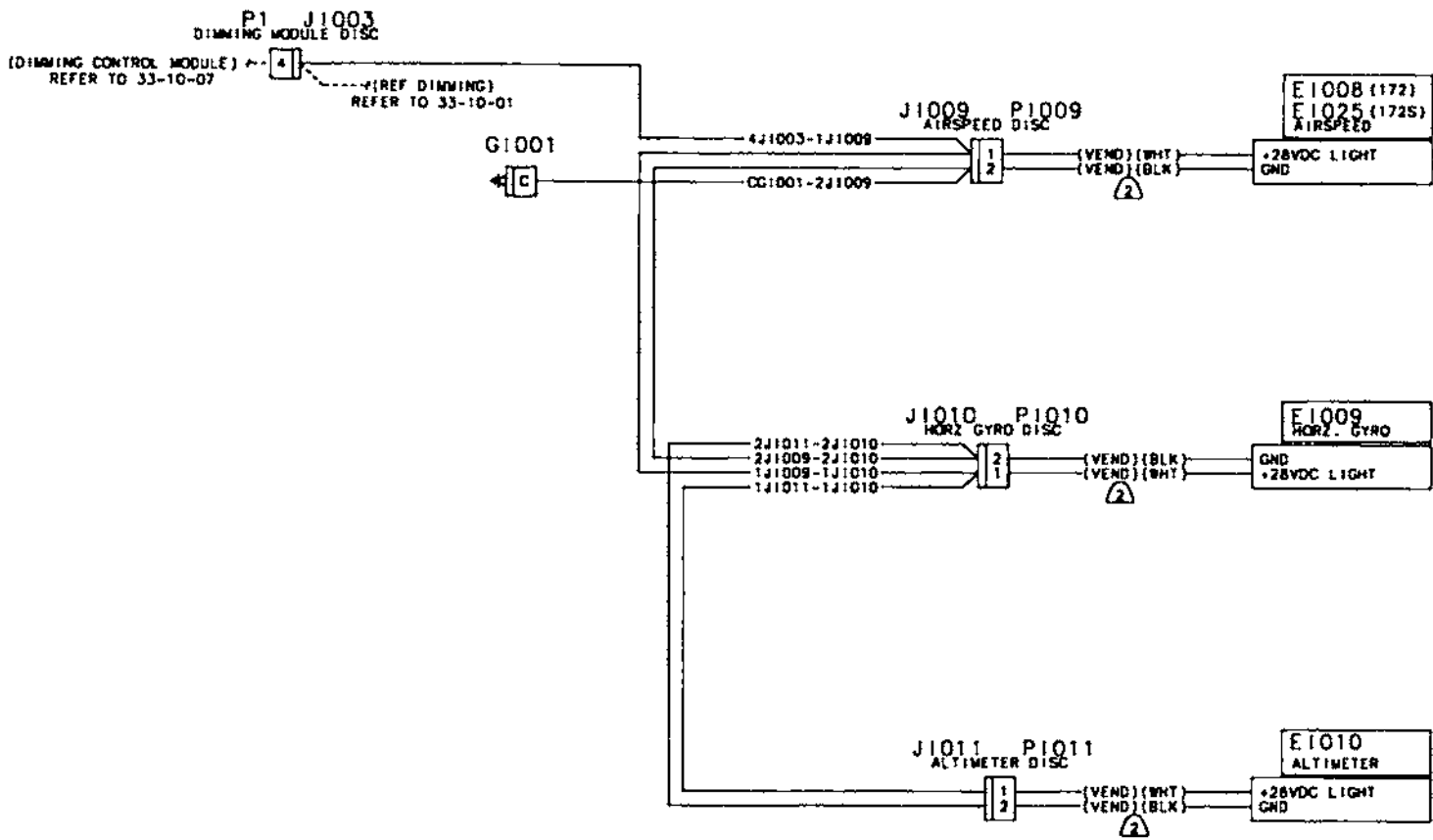
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
		1 2 3 4 5 6 7			
01			FLIGHT INSTRUMENT LIGHTING		
			17280001 & ON		
			172S8001 & ON		
			WITHOUT NAV III OPTION		
	EI004	S3291-1	INDICATOR TURN COORDINATOR (ZONE 220)	80001 81059 8001 8874	01
		S3312-1	LIGHT ASSEMBLY		01
	EI004	13947100-10RA	INDICATOR TURN COORDINATOR (ZONE 220)	V18006 81060 & ON 8875 & ON	01
	EI005	S3329-1	TACHOMETER (ZONE 220)		01
		S3312-1	LIGHT ASSEMBLY		01
	EI005	S3329-5	TACHOMETER (ZONE 220)	8001 & ON	01 R
	EI006	S3327-1	INDICATOR VERTICAL SPEED (ZONE 220)		01
		S3312-1	LIGHT ASSEMBLY		01
	EI007	S3330-1	GYRO DIRECTIONAL (ZONE 220)		01
		S3312-1	LIGHT ASSEMBLY		01
	EI008	S3325-1	INDICATOR AIRSPEED (ZONE 220)		01
		S3312-1	LIGHT ASSEMBLY		01
	EI009	S3326-1	GYRO HORIZONTAL (ZONE 220)		01
		S3312-1	LIGHT ASSEMBLY		01
	EI010	S3328-1	ALTIMETER (ZONE 220)	80001 81117 8001 9121	01
	EI010	S3827-1	ALTIMETER (ZONE 220)	81118 & ON 9122 & ON	01
	EI025	S3325-6	INDICATOR AIRSPEED (ZONE 220)	8001 & ON	01
	EI026	S3329-5	TACHOMETER (ZONE 220)		01
	JI007	S2035-2	CONNECTOR DIRECTIONAL GYRO (ZONE 220)		01
		S1636-2	SOCKETS		AR
	JI008	S2035-2	CONNECTOR TURN COORDINATOR (ZONE 220)		01
		S1636-2	SOCKETS		AR
	JI009	S2035-2	CONNECTOR AIRSPEED INDICATOR (ZONE 220)		01
		S1636-2	SOCKETS		AR
	JI010	S2035-2	CONNECTOR HORIZONTAL GYRO (ZONE 220)		01
		S1636-2	SOCKET		AR
	JI011	S2035-2	CONNECTOR ALTIMETER DISCONNECT (ZONE 225)		01
		S1636-2	SOCKET	80001 & ON	AR
		S1636-1	SOCKET	81241 & ON	AR
	JI012	S1638-5	CONNECTOR CENTER INSTRUMENT PANEL DISCONNECT (ZONE 220)		01
		S1636-2	SOCKETS		AR
	JI014	S2035-2	CONNECTOR TACHOMETER (ZONE 225)		01
		S1636-1	PINS		AR
	JI016	S2035-2	CONNECTOR VERTICAL SPEED INDICATOR (ZONE 225)		01
		S1636-1	PINS		AR
	PI007	S2035-1	CONNECTOR HSI (ZONE 220)		01 R
		S1635-1	PIN		AR R
	PI008	S2035-1	CONNECTOR TURN COORDINATOR (ZONE 220)		01 R
		S1635-1	CONTACT		02 R
	PI009	S2035-1	CONNECTOR AIRSPEED INDICATOR (ZONE 220)		01 R
		S1635-1	CONTACT		02 R
	PI010	S2035-1	CONNECTOR HORIZONTAL GYRO (ZONE 220)		01 R
		S1635-1	CONTACT		02 R
	PI011	S2035-1	CONNECTOR ALTIMETER (ZONE 220)		01 R
		S1635-1	CONTACT		02 R
	PI012	S1638-4	CONNECTOR CENTER PANEL DISCONNECT (ZONE 225)		01
		S1635-1	PIN		AR
	PI014	S2035-1	CONNECTOR VERTICAL SPEED INDICATOR (ZONE 220)		01 R
		S1635-1	CONTACT		02 R
	PI016	S2035-1	CONNECTOR TACHOMETER (ZONE 220)		01 R
		S1635-1	CONTACT		02 R

- ITEM NOT ILLUSTRATED

Figure 01

Page 1

- NOTES:
- 1. ALL WIRE 22AWG, UNLESS OTHERWISE NOTED.
 - 2. WIRE & CONNECTOR SUPPLIED WITH INSTRUMENT.
 - 3. DIRECTIONAL GYRO NOT INSTALLED WITH HSI OPTION. REFERENCE HSI OPTION WIRING FOR LIGHTING TO HSI.



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FLIGHT INSTRUMENT LIGHTING
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

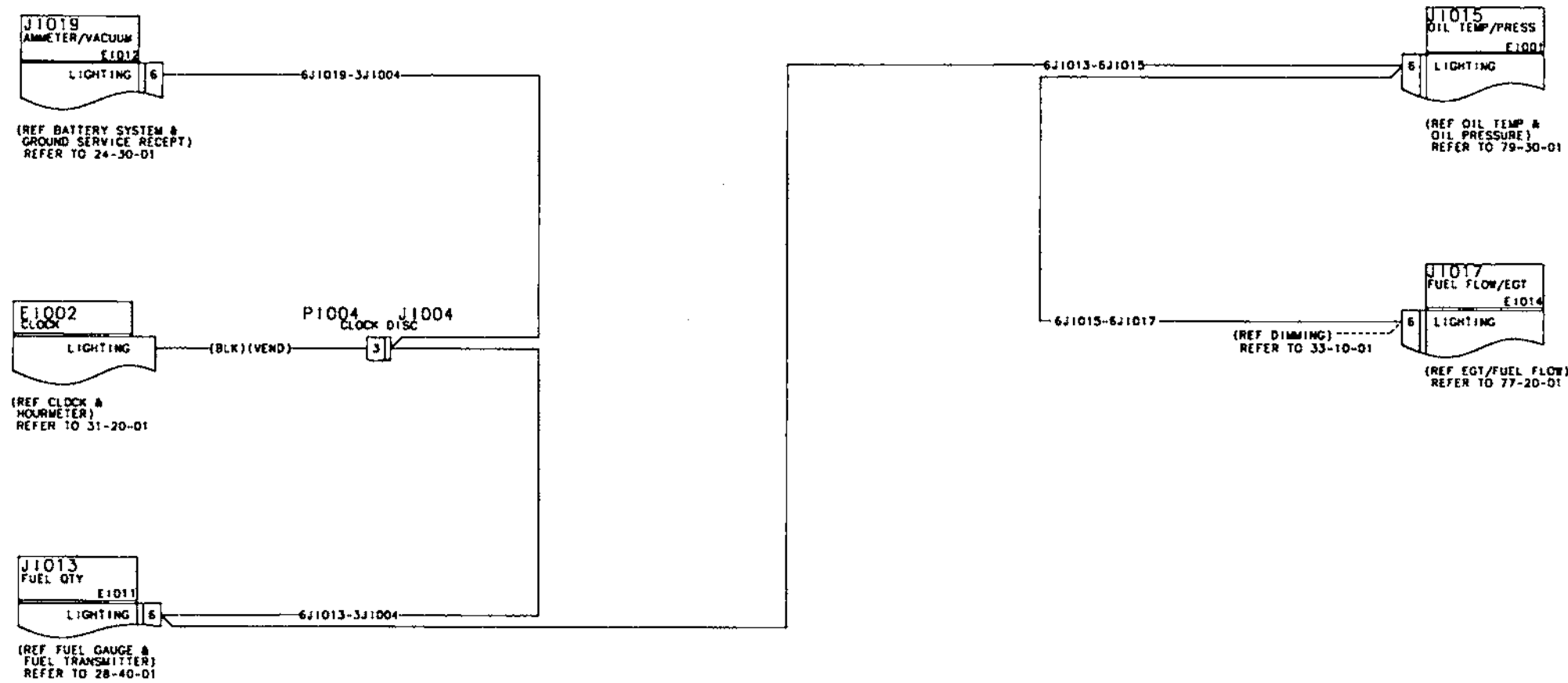
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES		1 2 3 4 5 6 7		FROM TO	PER ASSY
02			FLIGHT INSTRUMENT LIGHTING		
			17281241 & ON		
			172S9810 & ON		
			WITH NAV III OPTION		
EI008	S3325-1		INDICATOR AIRSPEED (ZONE 220)		01 R
-	S3312-1		.. LIGHT ASSEMBLY		01 R
EI009	S3326-1		GYRO HORIZONTAL (ZONE 220)		01 R
-	S3312-1		.. LIGHT ASSEMBLY		01 R
EI010	S3827-1		ALTIMETER (ZONE 220)	81118 & ON	01 R
				9122 & ON	
EI025	S3325-6		INDICATOR AIRSPEED (ZONE 220)	8001 & ON	01 R
GI001	200838-2		CONNECTOR GROUND (ZONE 211)	V00779 80884 & ON	01 R
				8403 & ON	
-	201846-1		.. CLAMP KIT		01 R
-	203618-1		.. JACK SCREW		ARR
-	AN340-3		.. NUT		ARR
-	S2099-4		.. SOCKET	80001 81142	ARR
-	S2099-3		.. CONTACT	81143 & ON	ARR
JI003	S1641-9		CONNECTOR DIMMING CONTROL MODULE (ZONE 225)		01 R
-	S1636-1		.. PINS		ARR
-	S1636-2		.. SOCKETS		ARR
JI009	S2035-2		CONNECTOR AIRSPEED INDICATOR (ZONE 220)		01 R
-	S1636-2		.. SOCKETS		ARR
JI010	S2035-2		CONNECTOR HORIZON GYRO (ZONE 220)		01 R
-	S1636-2		.. SOCKET		ARR
JI011	S2035-2		CONNECTOR ALTIMETER DISCONNECT (ZONE 225)		01 R
-	S1636-2		.. SOCKET	80001 & ON	ARR
-	S1636-1		.. SOCKET	81241 & ON	ARR
PI009	S2035-1		CONNECTOR AIRSPEED INDICATOR (ZONE 220)		01 R
	S1635-1		.. CONTACT		02 R
PI010	S2035-1		CONNECTOR HORIZONTAL GYRO (ZONE 220)		01 R
	S1635-1		.. CONTACT		02 R
PI011	S2035-1		CONNECTOR ALTIMETER (ZONE 220)		01 R
	S1635-1		.. CONTACT		02 R

- ITEM NOT ILLUSTRATED

Figure 02

Page 1

NOTES:
1. ALL WIRE 22AWG, UNLESS OTHERWISE NOTED



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ENGINE INSTRUMENT LIGHTING
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

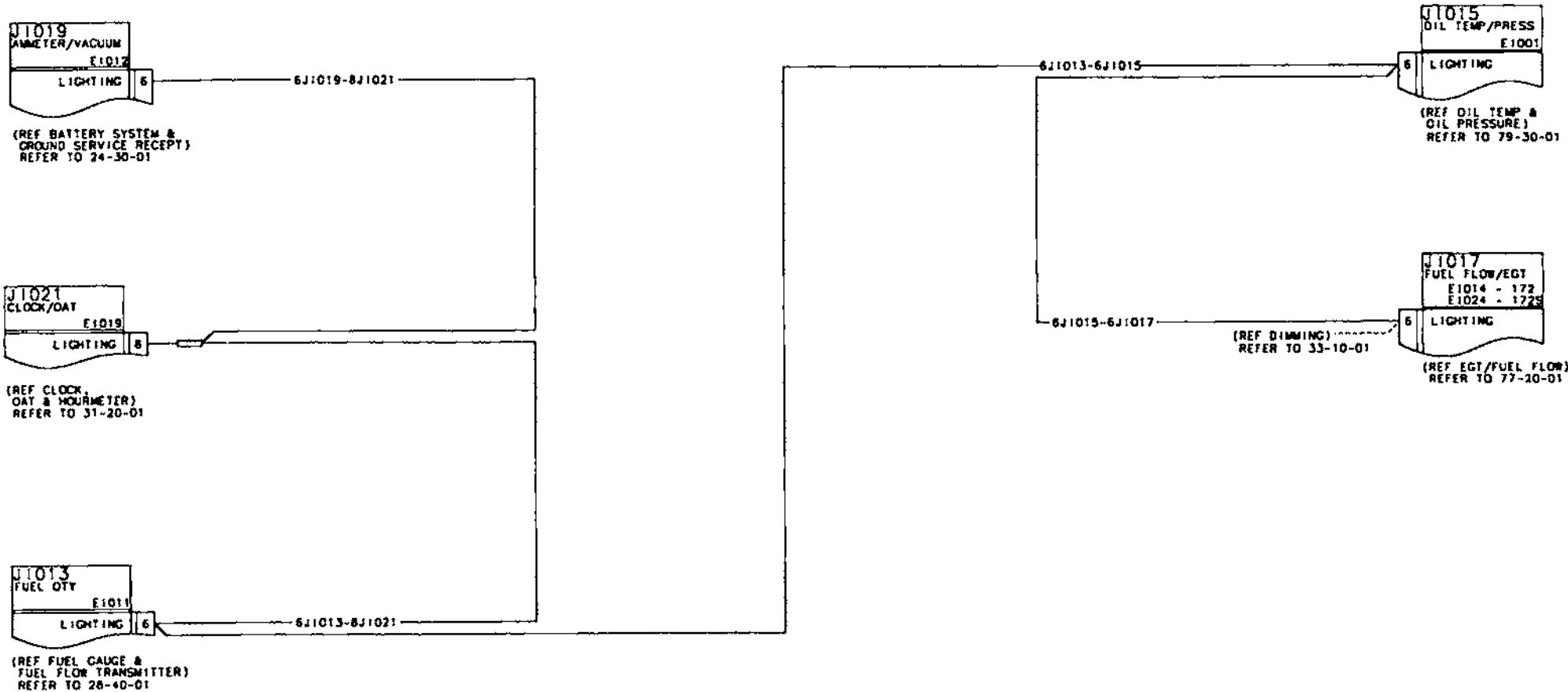
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES		1234567		FROM TO	PER ASSY
01			ENGINE INSTRUMENT LIGHTING		
			17280001 THRU 17280300		
	EI001	S3279-1	. INDICATOR OIL TEMPERATURE/OIL PRESSURE (ZONE 220) . . .		01
	-	S3353-1	. . LIGHT ASSEMBLY		01
	EI002	AT432000	. INDICATOR CLOCK/OAT/VOLT (ZONE 220) V65907		01
	-	S3312-1	. . LIGHT ASSEMBLY		01
	EI011	S3281-2	. INDICATOR FUEL QUANTITY (ZONE 220)		01
	EI012	S3280-1	. INDICATOR AMMETER/VACUUM (ZONE 220)		01
	EI014	S3277-2	. INDICATOR EGT/FUEL FLOW (ZONE 220)	80001 80906	01
	-	S3277-6	ALTERNATE FOR S3277-2		01
	-	S3484-6-14G1	. . SCREW		04
	J1004	S1638-1	. CONNECTOR (ZONE 220)	80001 80300	01
	-	S1636-2	. . SOCKETS		AR
	J1013	S2349-3	. CONNECTOR FUEL QUANTITY INDICATOR (ZONE 220)		01
	-	S2099-3	. . CONTACT		AR
	-	S2099-4	. . SOCKET		AR
	-	S2414-1	. . KEYING PLUG		AR
	J1015	S2349-3	. CONNECTOR OIL TEMPERATURE/OIL PRESSURE INDICATOR (ZONE 220)		01
	-	S2099-3	. . CONTACT		AR
	-	S2099-4	. . SOCKET		AR
	-	S2414-1	. . KEYING PLUG		AR
	J1017	S2349-3	. CONNECTOR EGT/FUEL FLOW INDICATOR (ZONE 220)		01
	-	S2099-3	. . CONTACT		AR
	-	S2099-4	. . SOCKET		AR
	-	S2414-1	. . KEYING PLUG		AR
	J1019	S2349-3	. CONNECTOR AMMETER/VACUUM (ZONE 220)		01
	-	S2099-4	. . SOCKET		AR
	-	S2414-1	. . KEYING PLUG		AR
	PI004	S1638-2	. CONNECTOR CLOCK DISCONNECT	80001 80300	01
	-	S1635-1	. . PIN		AR

- ITEM NOT ILLUSTRATED

Figure 01
Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

NOTES:
1. ALL WIRE 22AWG, UNLESS OTHERWISE NOTED



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ENGINE INSTRUMENT LIGHTING
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
02			ENGINE INSTRUMENT LIGHTING		
			17280301 & ON		
			172S8001 & ON		
	EI001	S3279-1	INDICATOR OIL TEMPERATURE/OIL PRESSURE (ZONE 220) . . .		01 R
		S3353-1	.. LIGHT ASSEMBLY		01 R
	EI011	S3281-2	INDICATOR FUEL QUANTITY (ZONE 220)		01 R
	EI012	S3280-1	INDICATOR AMMETER/VACUUM (ZONE 220)		01 R
	EI014	S3277-6	INDICATOR EGT/FUEL FLOW (ZONE 220)	80907 & ON	01 R
	EI019	M803B-2-0/28V-B	INDICATOR CLOCK/OAT (ZONE 220)	V63836 80301 81097	01 R
				81143 & ON	
	EI024	S3277-4	INDICATOR EGT/FUEL FLOW (ZONE 220)	8001 8491	01 R
	JI013	S2349-3	CONNECTOR FUEL QUANTITY INDICATOR (ZONE 220)		01 R
		S2099-3	.. CONTACT		ARR
		S2099-4	.. SOCKET		ARR
		S2414-1	.. KEYING PLUG		ARR
	JI015	S2349-3	CONNECTOR OIL TEMPERATURE/OIL PRESSURE INDICATOR (ZONE 220)		01 R
		S2099-3	.. CONTACT		ARR
		S2099-4	.. SOCKET		ARR
		S2414-1	.. KEYING PLUG		ARR
	JI017	S2349-3	CONNECTOR EGT/FUEL FLOW INDICATOR (ZONE 220)		01 R
		S2099-3	.. CONTACT		ARR
		S2099-4	.. SOCKET		ARR
		S2414-1	.. KEYING PLUG		ARR
	JI019	S2349-3	CONNECTOR AMMETER/VACUUM (ZONE 220)		01 R
		S2099-4	.. SOCKET		ARR
		S2414-1	.. KEYING PLUG		ARR
	JI021	RD9F00JVLC	CONNECTOR CLOCK (ZONE 220)	V28198	01 R
		FC6020D	.. CONTACT	V28198	ARR

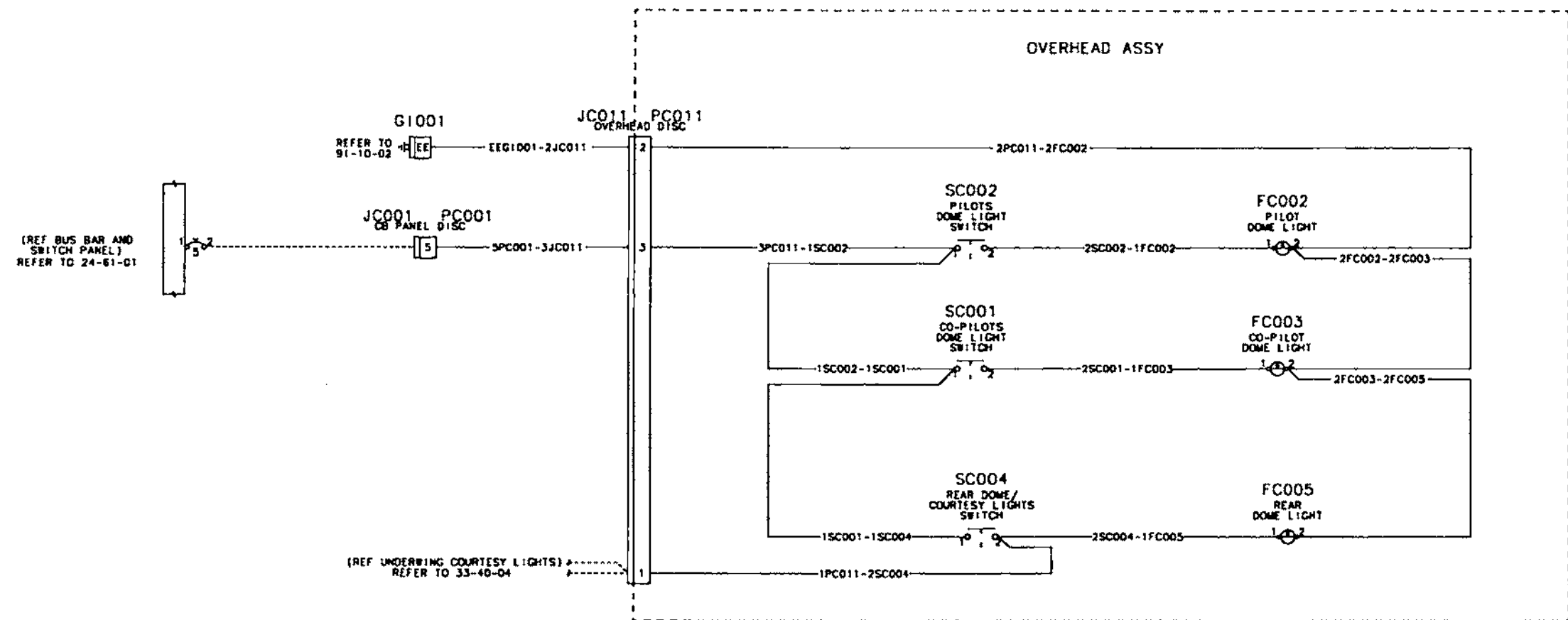
- ITEM NOT ILLUSTRATED

Figure 02

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

- NOTES:
- 1. ALL WIRE 22AWG, EXCEPT AS NOTED
 - 2. COVER RESISTOR WITH HEAT SHRINK TUBING.



INTERIOR LIGHTING
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

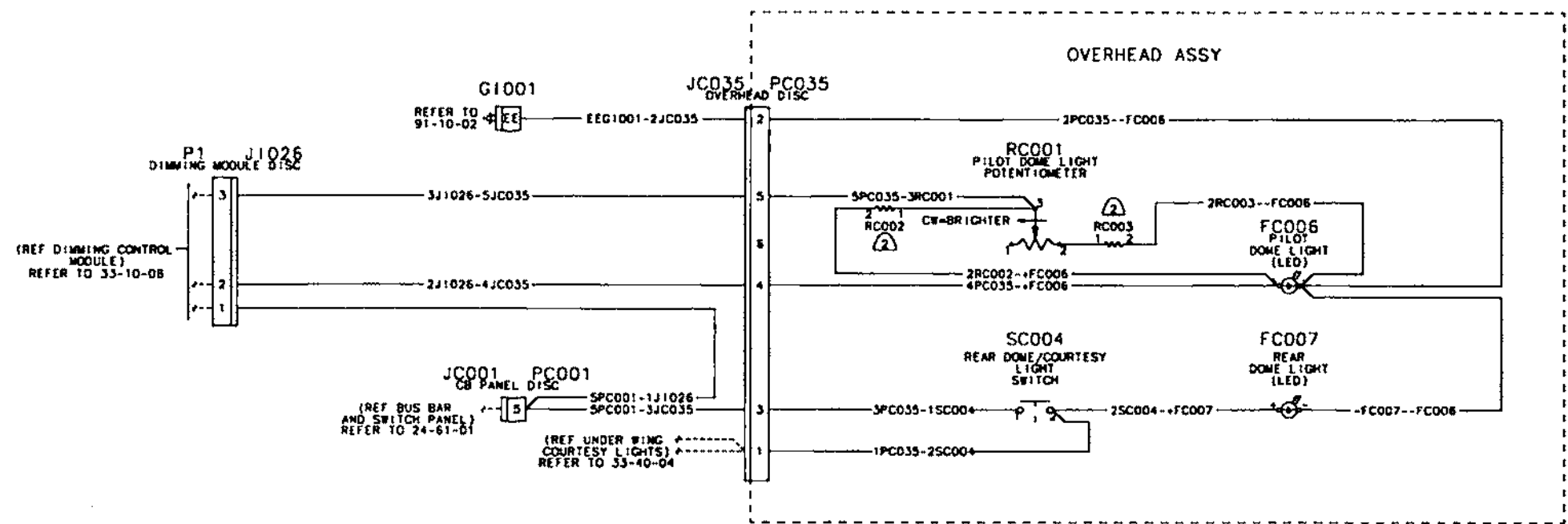
FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
		1234567		
01		INTERIOR LIGHTING		
		17280001 THRU 17281233		
		172S8001 THRU 172S9770		
FC002	4595-1	. DOME LIGHT ASSEMBLY (ZONE 211)	V83564 80001 81114 8001 9094	01
-	1864	. . LIGHT BULB		01
FC002	RL6806-1	. DOME LIGHT ASSEMBLY (ZONE 211)	81115 81233 9095 9770	01 R
FC003	4595-1	. DOME LIGHT ASSEMBLY (ZONE 211)	V83564 80001 81114 8001 9094	01
-	1864	. . LIGHT BULB		01
FC003	RL6806-1	. DOME LIGHT ASSEMBLY	81115 81233 9095 9770	01 R
FC005	4596-1	. DOME LIGHT ASSEMBLY (ZONE 211)	V83564 80001 81149 8001 9334	01
-	1864	. . LIGHT BULB		01
FC005	RL6808-1	. DOME LIGHT ASSEMBLY (ZONE 211)	81150 81233 9335 9770	01 R
GI001	S2527-1	. CONNECTOR GROUND (ZONE 211)	80001 80883 8001 8402	01
-	203618-1	. . JACK SCREW		AR
-	AN340-3	. . NUT		AR
-	S2527-3	. . CLAMP		01
-	S2099-4	. . SOCKET	80001 81142	AR
GI001	200838-2	. CONNECTOR GROUND (ZONE 211)	V00779 80884 & ON 8403 & ON	01
-	201846-1	. . CLAMP KIT		01
-	203618-1	. . JACK SCREW		AR
-	AN340-3	. . NUT		AR
-	S2099-4	. . SOCKET	80001 81142	AR
-	S2099-3	. . CONTACT	81143 & ON	AR
JC001	S2349-5	. CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01
-	S2099-4	. . SOCKET		AR
JC011	S1638-1	. CONNECTOR OVERHEAD CONSOLE DISCONNECT (ZONE 211) .		01
-	S1636-1	. . PINS		AR
-	S1636-2	. . SOCKETS		AR
PC001	S2350-10	. CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01
-	S2353-4	. . PIN		AR
-	S2353-5	. . PIN		AR
PC011	S1638-2	. CONNECTOR OVERHEAD CONSOLE DISCONNECT (ZONE 211) .		01
-	S1635-1	. . PIN		AR
SC001	J20125-32	. SWITCH CO-PILOT'S DOME LIGHT (ZONE 211)	V81640	01
SC002	J20125-32	. SWITCH PILOT'S DOME LIGHT (ZONE 211)		01
SC004	J20125-32	. SWITCH REAR DOME/COURTESY LIGHT (ZONE 211)		01

- ITEM NOT ILLUSTRATED

Figure 01

Page 1

NOTES:
1. ALL WIRE 22AWG, EXCEPT AS NOTED
2. COVER RESISTOR WITH HEAT SHRINK TUBING.



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INTERIOR LIGHTING
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
		1234567		
02		INTERIOR LIGHTING		
		172B1234 THRU 17281272		
		172S9771 THRU 172S10102		
		WITHOUT NAV III OPTION		
FC006	RL6870-1	. LIGHT PILOT'S LED DOME (ZONE 211)	81234 81272	01 R
			9771 10102	
FC007	RL6870-1	. LIGHT REAR LED DOME (ZONE 211)	81234 & ON	01 R
			9771 & ON	
GI001	200838-2	. CONNECTOR GROUND (ZONE 211)	V00779 80884 & ON	01 R
			8403 & ON	
-	201846-1	. . CLAMP KIT		01 R
-	203618-1	. . JACK SCREW		AR R
-	AN340-3	. . NUT		AR R
-	S2099-4	. . SOCKET	80001 81142	AR R
-	S2099-3	. . CONTACT	81143 & ON	AR R
JC001	S2349-5	. CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01 R
-	S2099-4	. . SOCKET		AR R
JC035	S1641-6	. CONNECTOR OVERHEAD DISCONNECT (ZONE 211)	81234 81272	01 R
			9771 10102	
-	S1636-2	. . SOCKET	81234, 9771 81272	AR R
			10102	
-	S1636-1	. . SOCKET	81241, 98108 81272	AR R
			10102	
J1026	S1638-1	. CONNECTOR DIMMING MODULE DISCONNECT (ZONE 211)	81234 81272	01 R
			9771 10102	
-	S1636-1	. . SOCKET		AR R
P1	S1641-9	. CONNECTOR (ZONE 225)		01 R
-	S1636-1	. . SOCKET		AR R
PC001	S2350-10	. CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01 R
-	S2353-4	. . PIN		AR R
-	S2353-5	. . PIN		AR R
PC035	S1640-6	. CONNECTOR OVERHEAD DISCONNECT (ZONE 211)	81234 81272	01 R
			9771 10102	
-	S1635-1	. . PIN		AR R
RC001	S2619-1	. POTENTIOMETER DOME LIGHT (ZONE 211)	81234 81272	01 R
			9771 10102	
RC002	CCF-5595R3F	. RESISTOR (ZONE 211)	V91637 81234 & ON	01 R
			9771 & ON	
RC003	CCF-554320F	. RESISTOR (ZONE 211)	V91637 81234 & ON	01 R
			9771 & ON	
SC004	J20125-32	. SWITCH REAR DOME/COURTESY LIGHT (ZONE 211)		01 R

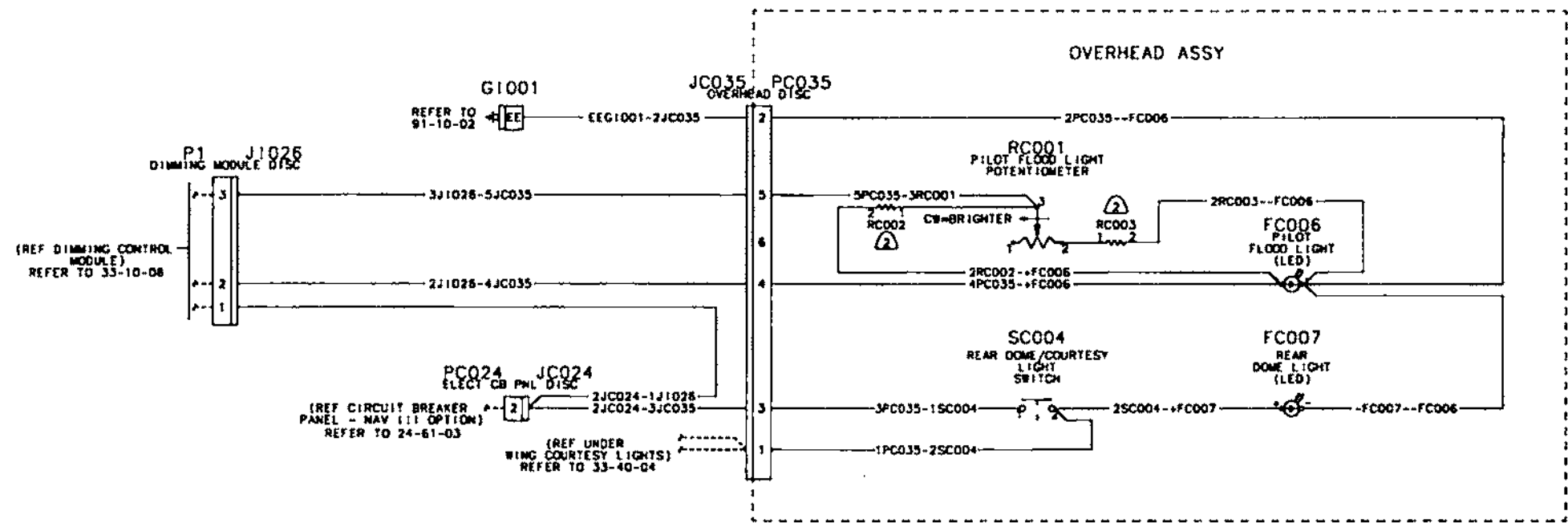
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Figure 02

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

- NOTES:
- 1. ALL WIRE 22AWG, EXCEPT AS NOTED
 - 2. COVER RESISTOR WITH HEAT SHRINK TUBING.



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INTERIOR LIGHTING
Figure 03 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

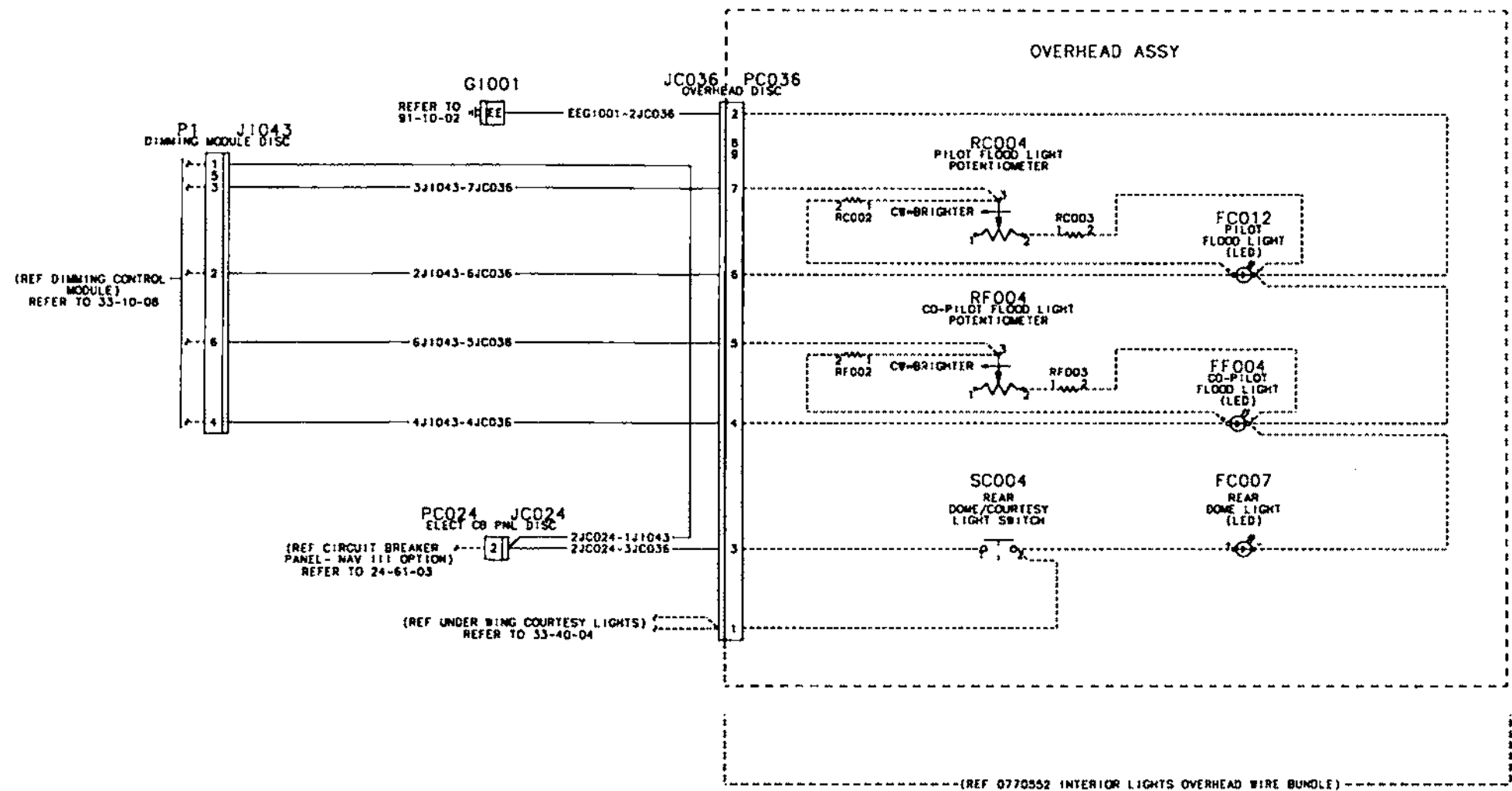
WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
		1 2 3 4 5 6 7		
03		INTERIOR LIGHTING 17281241 THRU 17281272 172S9810 THRU 172S10102 WITH NAV III OPTION		
FC006	RL6870-1	. LIGHT PILOT'S LED DOME (ZONE 211)	81234 81272 9771 10102	01 R
FC007	RL6870-1	. LIGHT REAR LED DOME (ZONE 211)	81234 & ON 9771 & ON	01 R
GI001	200838-2	. CONNECTOR GROUND (ZONE 211)	V00779 80884 & ON 8403 & ON	01 R
-	201846-1	. . CLAMP KIT		01 R
-	203618-1	. . JACK SCREW		AR R
-	AN340-3	. . NUT		AR R
-	S2099-4	. . SOCKET	80001 81142	AR R
-	S2099-3	. . CONTACT	81143 & ON	AR R
JC024	S2350-3	. CONNECTOR (ZONE 224)	81241 & ON 9810 & ON	01 R
-	S2353-4	. . PIN		AR R
-	S2353-5	. . PIN		AR R
JC035	S1641-6	. CONNECTOR OVERHEAD DISCONNECT (ZONE 211)	81234 81272 9771 10102	01 R
-	S1636-2	. . SOCKET	81234, 9771 81272 10102	AR R
-	S1636-1	. . SOCKET	81241, 9810 81272 10102	AR R
JI026	S1638-1	. CONNECTOR DIMMING MODULE DISCONNECT (ZONE 211)	81234 81272 9771 10102	01 R
-	S1636-1	. . SOCKET		AR R
P1	S1641-9	. CONNECTOR (ZONE 225)		01 R
-	S1636-1	. . SOCKET		AR R
PC024	S2349-3	. CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)	81241 & ON 9810 & ON	01 R
-	S2099-3	. . CONTACT		AR R
-	S2099-4	. . CONTACT		AR R
PC035	S1640-6	. CONNECTOR OVERHEAD DISCONNECT (ZONE 211)	81234 81272 9771 10102	01 R
-	S1635-1	. . PIN		AR R
RC001	S2619-1	. POTENTIOMETER DOME LIGHT (ZONE 211)	81234 81272 9771 10102	01 R
RC002	CCF-5595R3F	. RESISTOR (ZONE 211)	V91637 81234 & ON 9771 & ON	01 R
RC003	CCF-554320F	. RESISTOR (ZONE 211)	V91637 81234 & ON 9771 & ON	01 R
SC004	J20125-32	. SWITCH REAR DOME/COURTESY LIGHT (ZONE 211)		01 R

- ITEM NOT ILLUSTRATED

Figure 03
Page 1

NOTES:
1. ALL WIRE 22AWG. EXCEPT AS NOTED
2. COVER RESISTOR WITH HEAT SHRINK TUBING.



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INTERIOR LIGHTING
Figure 04 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
04			INTERIOR LIGHTING		
			17281273 & ON		
			172S10103 & ON		
			WITH NAV III OPTION		
FC007	RL6870-1		. LIGHT REAR LED DOME (ZONE 211)	81234 & ON	01 R
				9771 & ON	
FC012	RL6870-1		. LIGHT PILOT'S LED FLOOD (ZONE 211)	81273 & ON	01 R
				10103 & ON	
FF004	RL6870-1		. LIGHT COPILOT'S LED FLOOD (ZONE 211)	81273 & ON	01 R
				10103 & ON	
GI001	200838-2		. CONNECTOR GROUND (ZONE 211)	V00779 80884 & ON	01 R
				8403 & ON	
-	201846-1		. . CLAMP KIT		01 R
-	203618-1		. . JACK SCREW		ARR
-	AN340-3		. . NUT		ARR
-	S2099-4		. . SOCKET	80001 81142	ARR
-	S2099-3		. . CONTACT	81143 & ON	ARR
JC024	S2350-3		. CONNECTOR (ZONE 224)	81241 & ON	01 R
				9810 & ON	
-	S2353-4		. . PIN		ARR
-	S2353-5		. . PIN		ARR
JC036	S1641-9		. CONNECTOR OVERHEAD DISCONNECT (ZONE 211)	81273 & ON	01 R
				10103 & ON	
-	S1636-1		. . SOCKET		ARR
-	S1636-2		. . SOCKET		ARR
J1043	S1641-6		. CONNECTOR (ZONE 211)	81273 & ON	01 R
				10103 & ON	
-	S1636-1		. . SOCKET		ARR
P1	S1641-9		. CONNECTOR (ZONE 225)		01 R
-	S1636-1		. . SOCKET		ARR
PC024	S2349-3		. CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)	81241 & ON	01 R
				9810 & ON	
-	S2099-3		. . CONTACT		ARR
-	S2099-4		. . CONTACT		ARR
PC036	S1640-9		. CONNECTOR OVERHEAD DISCONNECT (ZONE 211)	81273 & ON	01 R
				10103 & ON	
-	S1635-1		. . PIN		ARR
RC002	CCF-5595R3F		. RESISTOR (ZONE 211)	V91637 81234 & ON	01 R
				9771 & ON	
RC003	CCF-554320F		. RESISTOR (ZONE 211)	V91637 81234 & ON	01 R
				9771 & ON	
RC004			. POTENTIOMETER PILOT FLOOD LIGHT	81273 & ON	RF R
				10103 & ON	
RF002	CCF-5595R3F		. RESISTOR (ZONE 211)	V91637 81273 & ON	01 R
				10103 & ON	
RF003	CCF-554320F		. RESISTOR (ZONE 211)	V91637 81273 & ON	01 R
				10103 & ON	
RF004			. POTENTIOMETER COPILOT FLOOD LIGHT	81273 & ON	RF R
				10103 & ON	
SC004	J20125-32		. SWITCH REAR DOME/COURTESY LIGHT (ZONE 211)		01 R

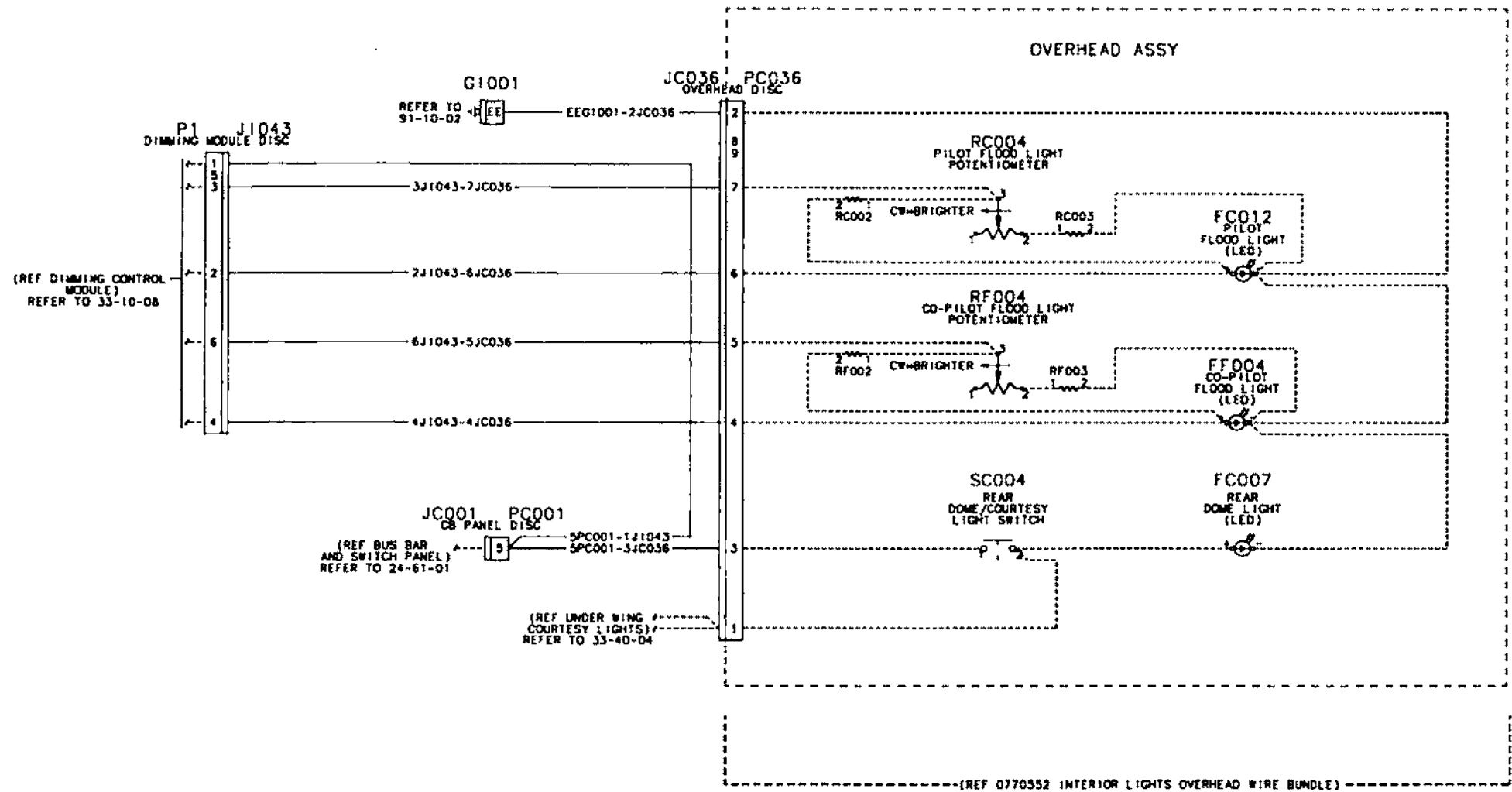
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Figure 04

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

- NOTES:
- 1. ALL WIRE 22AWG, EXCEPT AS NOTED
 - 2. COVER RESISTOR WITH HEAT SHRINK TUBING.



057055215

INTERIOR LIGHTING
Figure 05 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
		1 2 3 4 5 6 7			ASSY
05			INTERIOR LIGHTING		
			17281273 & ON		
			172S10103 & ON		
			WITHOUT NAV III OPTION		
	FC007	RL6870-1	. LIGHT REAR LED DOME (ZONE 211)	81234 & ON	01 R
				9771 & ON	
	FC012	RL6870-1	. LIGHT PILOT'S LED FLOOD (ZONE 211)	81273 & ON	01 R
				10103 & ON	
	FF004	RL6870-1	. LIGHT COPILOT'S LED FLOOD (ZONE 211)	81273 & ON	01 R
				10103 & ON	
	GI001	200838-2	. CONNECTOR GROUND (ZONE 211)	V00779 80884 & ON	01 R
				8403 & ON	
-		201846-1	. . CLAMP KIT		01 R
-		203618-1	. . JACK SCREW		ARR
-		AN340-3	. . NUT		ARR
-		S2099-4	. . SOCKET	80001 81142	ARR
-		S2099-3	. . CONTACT	81143 & ON	ARR
	JC001	S2349-5	. CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01 R
-		S2099-4	. . SOCKET		ARR
	JC036	S1641-9	. CONNECTOR OVERHEAD DISCONNECT (ZONE 211)	81273 & ON	01 R
				10103 & ON	
-		S1636-1	. . SOCKET		ARR
-		S1636-2	. . SOCKET		ARR
	JI043	S1641-6	. CONNECTOR (ZONE 211)	81273 & ON	01 R
				10103 & ON	
-		S1636-1	. . SOCKET		ARR
	P1	S1641-9	. CONNECTOR (ZONE 225)		01 R
-		S1636-1	. . SOCKET		ARR
	PC001	S2350-10	. CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01 R
-		S2353-4	. . PIN		ARR
-		S2353-5	. . PIN		ARR
	PC036	S1640-9	. CONNECTOR OVERHEAD DISCONNECT (ZONE 211)	81273 & ON	01 R
				10103 & ON	
-		S1635-1	. . PIN		ARR
	RC002	CCF-5595R3F	. RESISTOR (ZONE 211)	V91637 81234 & ON	01 R
				9771 & ON	
	RC003	CCF-554320F	. RESISTOR (ZONE 211)	V91637 81234 & ON	01 R
				9771 & ON	
	RC004		. POTENTIOMETER PILOT FLOOD LIGHT	81273 & ON	RF R
				10103 & ON	
	RF002	CCF-5595R3F	. RESISTOR (ZONE 211)	V91637 81273 & ON	01 R
				10103 & ON	
	RF003	CCF-554320F	. RESISTOR (ZONE 211)	V91637 81273 & ON	01 R
				10103 & ON	
	RF004		. POTENTIOMETER COPILOT FLOOD LIGHT	81273 & ON	RF R
				10103 & ON	
	SC004	J20125-32	. SWITCH REAR DOME/COURTESY LIGHT (ZONE 211)		01 R

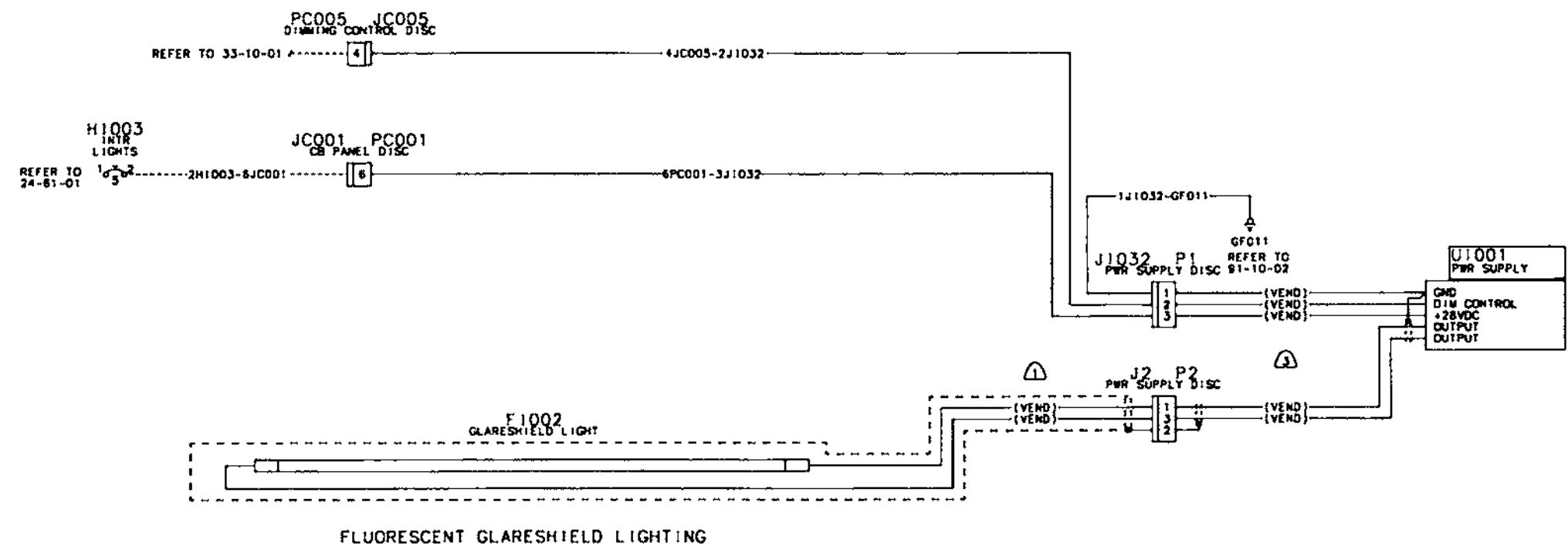
- ITEM NOT ILLUSTRATED

Figure 05

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

- NOTES:
- 1. WIRE, CONNECTOR & SHIELD SUPPLIED WITH LIGHT.
 - 2. ALL WIRE 22AWG, UNLESS OTHERWISE NOTED.
 - 3. WIRE & CONNECTORS SUPPLIED WITH POWER SUPPLY.
 - 4. WIRE & CONNECTOR SUPPLIED WITH LIGHT ASSY.



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GLARESHIELD LIGHTING
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

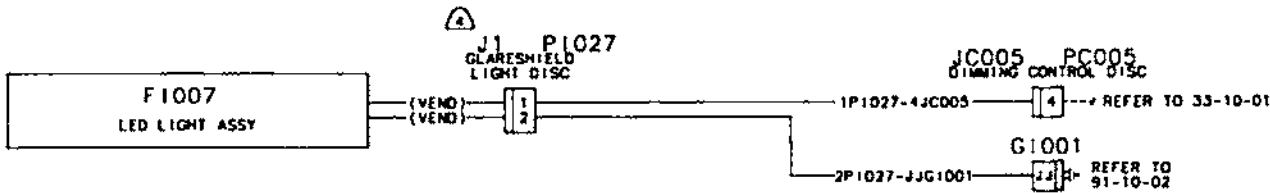
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
01			GLARESHIELD LIGHTING		
			17280001 THRU 17280983		
			172S8001 THRU 172S8703		
	FI002	7300248-2	. LAMP GLARESHIELD CATHODE (ZONE 211)		01
	GF011	0508001-2	. GROUND STUD (ZONE 211)		01
	HI003	S1360-5L	. CIRCUIT BREAKER INTERIOR LIGHTS (ZONE 224)		01
	J2		. CONNECTOR GLARESHIELD LIGHT. SUPPLIED WITH		RF
			GLARESHIELD LIGHT (ZONE 120)		
	JC001	S2349-5	. CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE		01
			224)		
	-	S2099-4	. . SOCKET		AR
	JC005	S1641-9	. CONNECTOR DIMMING CONTROL MODULE (ZONE 225)		01
	-	S1636-1	. . PINS		AR
	J1032	S1638-1	. CONNECTOR GLARESHIELD LIGHT POWER SUPPLY (ZONE		01
			220)		
	-	S1636-1	. . SOCKETS		AR
	P1	S1638-2	. CONNECTOR SUPPLIED WITH VENDOR LIGHT ASSEMBLY		01
	P2		. CONNECTOR (ZONE 211)	81234 & ON	RF
				9771 & ON	
	PC001	S2350-10	. CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01
	-	S2353-4	. . PIN		AR
	-	S2353-5	. . PIN		AR
	PC005	S1640-9	. CONNECTOR DIMMING CONTROL MODULE DISCONNECT		01
			(ZONE 225)		
	-	S1635-1	. . PIN		AR
	-	S1635-2	. . PIN		AR
	UI001	6900173	. POWER SUPPLY (ZONE 220)	80001 80983	01
				8001 8703	

- ITEM NOT ILLUSTRATED

Figure 01
Page 1

- NOTES:
- 1. WIRE, CONNECTOR & SHIELD SUPPLIED WITH LIGHT.
 - 2. ALL WIRE 22AWG, UNLESS OTHERWISE NOTED.
 - 3. WIRE & CONNECTORS SUPPLIED WITH POWER SUPPLY.
 - 4. WIRE & CONNECTOR SUPPLIED WITH LIGHT ASSY.



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GLARESHIELD LIGHTING
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

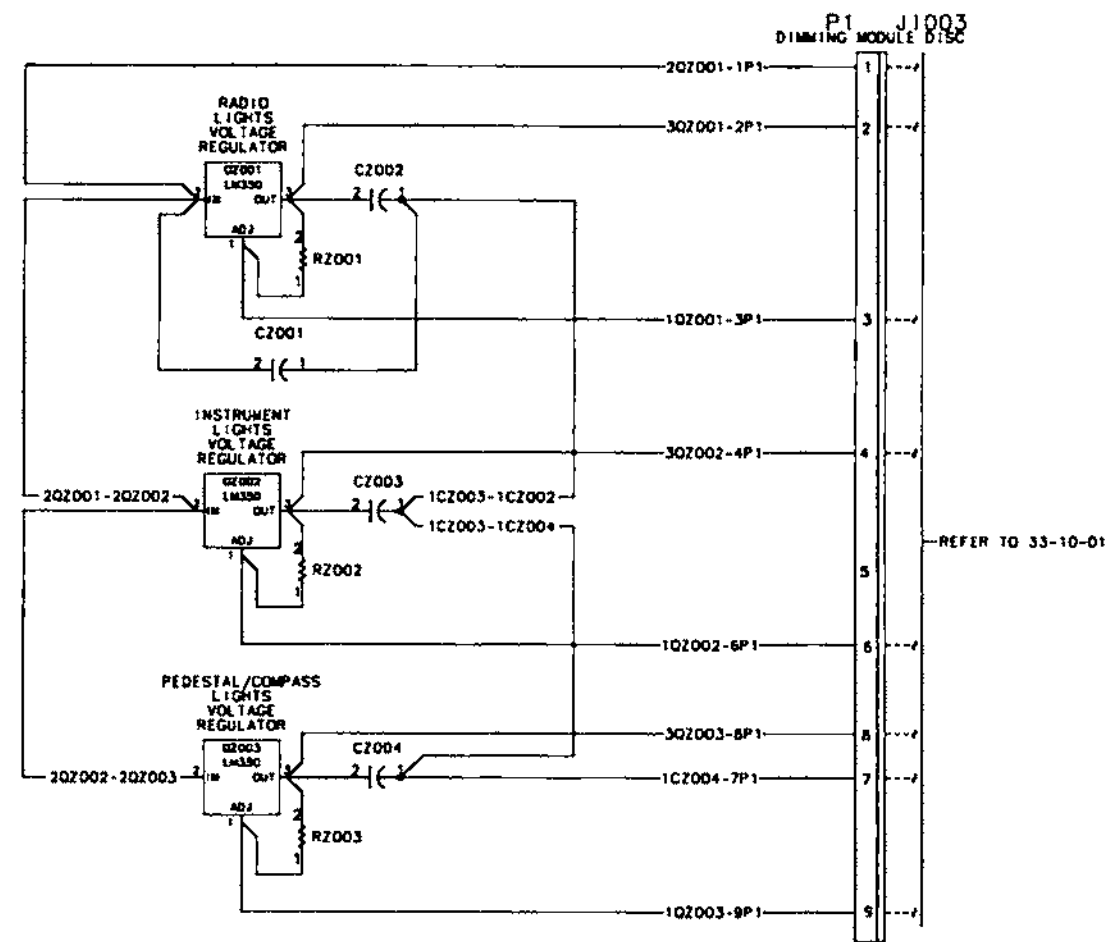
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
			1 2 3 4 5 6 7		
02			GLARESHIELD LIGHTING		
			17280984 & ON		
			172S8704 & ON		
			WITHOUT NAV III OPTION		
FI007	7300248-1		. LIGHT GLARESHIELD (ZONE 211)	V33497	01
GI001	200838-2		. CONNECTOR GROUND (ZONE 211)	V00779 80884 & ON	01
-	201846-1		. . CLAMP KIT	8403 & ON	01
-	203618-1		. . JACK SCREW		AR
-	AN340-3		. . NUT		AR
-	S2099-4		. . SOCKET	80001 81142	AR
-	S2099-3		. . CONTACT	81143 & ON	AR
J1	S2035-1		. CONNECTOR (ZONE 121).	81241 & ON	01
				9810 & ON	
JC005	S1641-9		. CONNECTOR DIMMING CONTROL MODULE (ZONE 225)		01
-	S1636-1		. . PINS		AR
PC005	S1640-9		. CONNECTOR DIMMING CONTROL MODULE DISCONNECT		01
			(ZONE 225).		
-	S1635-1		. . PIN		AR
-	S1635-2		. . PIN		AR
PI027	S2035-2		. CONNECTOR (ZONE 211).	80984 & ON	01
-	S1636-1		. . SOCKET	8704 & ON	AR

- ITEM NOT ILLUSTRATED

Figure 02

Page 1

NOTES:
1. ALL WIRE 22AWG, UNLESS OTHERWISE NOTED.



DIMMING CONTROL MODULE
Figure 01 (Sheet 1)

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CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
01			DIMMING CONTROL MODULE		
			17280001 & ON		
			172S8001 & ON		
CZ001	CSR13-2356		CAPACITOR DIMMING ASSEMBLY (ZONE 225)	V37942	01
CZ002	CSR13-2356		CAPACITOR DIMMING ASSEMBLY (ZONE 225)	V37942	01
CZ003	CSR13-2356		CAPACITOR DIMMING ASSEMBLY (ZONE 225)	V37942	01
CZ004	CSR13-2356		CAPACITOR DIMMING ASSEMBLY (ZONE 225)	V37942	01
J1003	S1641-9		CONNECTOR DIMMING CONTROL MODULE (ZONE 225)		01
-	S1636-1		.. PINS		AR
-	S1636-2		.. SOCKETS		AR
P1	S1641-9		CONNECTOR (ZONE 225)		01
-	S1636-1		.. SOCKET		AR
QZ001	LM350K		REGULATOR RADIO LIGHTS VOLTAGE (ZONE 225)		01
QZ002	LM350K		REGULATOR INSTRUMENT LIGHTS VOLTAGE (ZONE 225)		01
QZ003	LM350K		REGULATOR PEDESTAL/COMPASS LIGHTS VOLTAGE (ZONE 225)		01
RZ001	CCF-552430F		RESISTOR DIMMING ASSEMBLY (ZONE 225)	V91637 80984 & ON	01
				8704 & ON	
RZ001	RCR20G241JP		RESISTOR DIMMING ASSEMBLY (ZONE 225)	V91637 80001 80983	01
				8001 8703	
-	CCF-552430F		ALTERNATE FOR RCR20G241JP	V91637	01
-	RLR20C2400JP		ALTERNATE FOR CCF-552430F		01
RZ002	CCF-552430F		RESISTOR DIMMING ASSEMBLY (ZONE 225)	V91637 80984 & ON	01
				8704 & ON	
RZ002	RCR20G241JP		RESISTOR DIMMING ASSEMBLY (ZONE 225)	V91637 80001 80983	01
				8001 8703	
-	CCF-552430F		ALTERNATE FOR RCR20G241JP	V91637	01
-	RLR20C2400JP		ALTERNATE FOR CCF-552430F		01
-	RLR20C2400JS		ALTERNATE FOR RLR20C2400JP		01
RZ003	CCF-552430F		RESISTOR DIMMING ASSEMBLY (ZONE 225)	V91637 80984 & ON	01
				8704 & ON	
RZ003	RCR20G241JP		RESISTOR DIMMING ASSEMBLY (ZONE 225)	V91637 80001 80983	01
				8001 8703	
-	CCF-552430F		ALTERNATE FOR RCR20G241JP	V91637	01
-	RLR20C2400JP		ALTERNATE FOR CCF-552430F		01
-	RLR20C2400JS		ALTERNATE FOR RLR20C2400JP		01
ZC001	1570301-4		MODULE DIMMING (ZONE 211)		01

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Figure 01

Page 1

NOTES:
1. ALL WIRE 22AWG, UNLESS OTHERWISE NOTED.



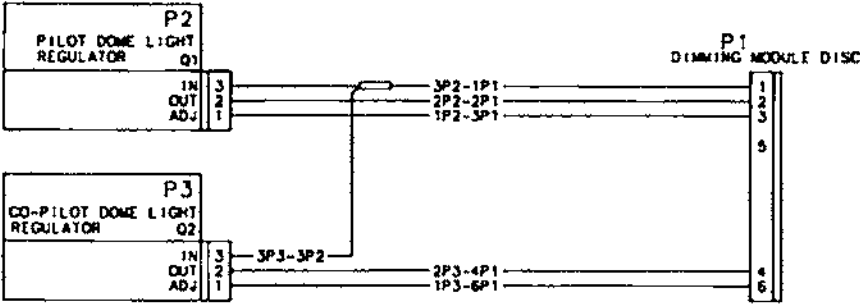
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DIMMING CONTROL MODULE
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES		1 2 3 4 5 6 7		FROM TO	PER ASSY
01			DIMMING CONTROL MODULE		
			17281234 THRU 17281272		
			172S9771 THRU 172S10102		
P1	S1641-9		CONNECTOR (ZONE 225)		01 R
	S1636-1		SOCKET		ARR
P2			CONNECTOR (ZONE 211)	81234 & ON	RFR
				9771 & ON	
Q1	NJM317F		REGULATOR ADJUSTABLE VOLTAGE (ZONE 210)	VS5416 81234 & ON	01 R
				9771 & ON	
-	MS21044N04		NUT		01 R
-	MS35206-216		SCREW		01 R
-	NAS1149FN416P		WASHER		01 R

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DIMMING CONTROL MODULE
Figure 02 (Sheet 1)

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CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
		1 2 3 4 5 6 7		
02		DIMMING CONTROL MODULE 17281273 & ON 172S10103 & ON		
P1	S1641-9	. CONNECTOR (ZONE 225)		01 R
-	S1636-1	. . SOCKET		ARR
P2		. CONNECTOR (ZONE 211)	81234 & ON 9771 & ON	RF R
P3	08-50-0114	. TERMINAL	81273 & ON 10103 & ON	01 R
Q1	NJM317F	. REGULATOR ADJUSTABLE VOLTAGE (ZONE 210)	VS5416 81234 & ON 9771 & ON	01 R
-	MS21044N04	. . NUT		01 R
-	MS35206-216	. . SCREW		01 R
-	NAS1149FN416P	. . WASHER		01 R
Q2	NJM317F	. REGULATOR ADJUSTABLE VOLTAGE	81273 & ON 10103 & ON	01 R

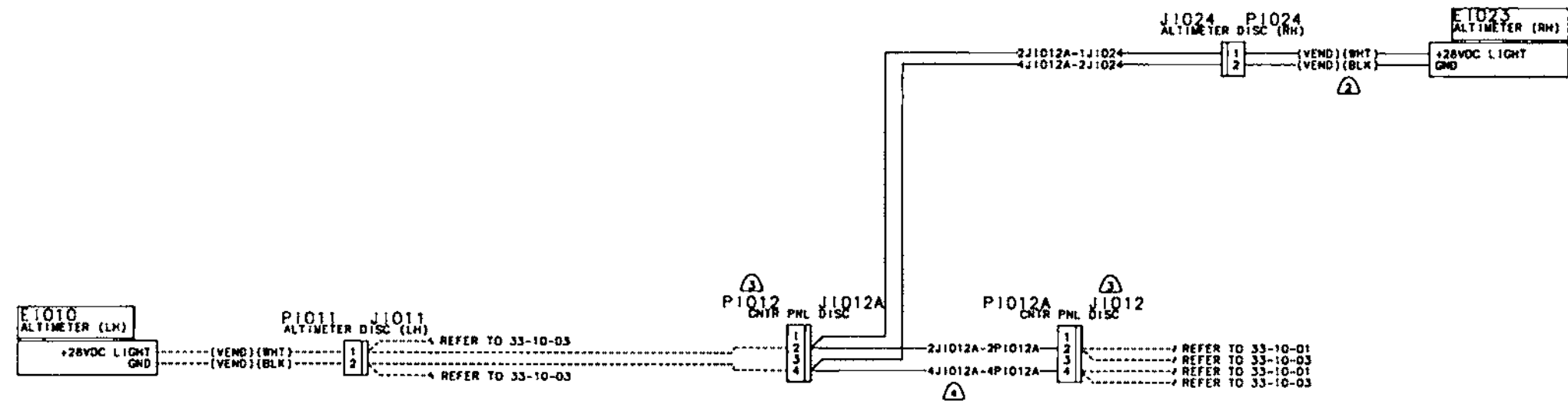
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Figure 02

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

- NOTES:
- 1. ALL WIRE 22AWG, UNLESS OTHERWISE NOTED.
 - 2. WIRE & CONNECTOR SUPPLIED WITH INSTRUMENT.
 - 3. DISCONNECT P1012 FROM J1012 ON STANDARD FUSELAGE BUNDLE AND INSTALL 2ND ALTIMETER WIRE BUNDLE ASSY JUMPER AS SHOWN.
 - 4. WIRES 2J1012A-2P1012A AND 4J1012A-4P1012A SHALL BE NO MORE THAN 4 INCHES IN LENGTH.



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SECOND ALTIMETER OPTION LIGHTING
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

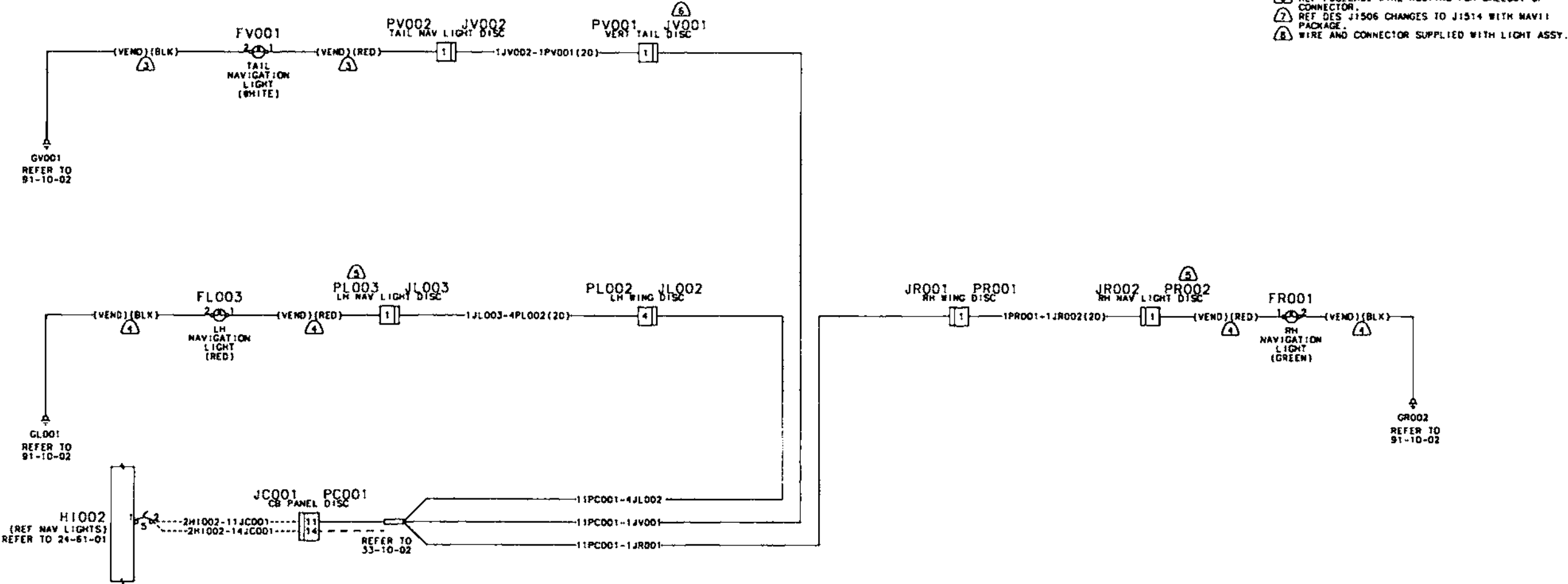
MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
01			SECOND ALTIMETER OPTION LIGHTING		
			17280001 & ON		
			17258001 & ON		
	EI010	S3328-1	. ALTIMETER (ZONE 220)	80001 81117	01 R
				8001 9121	
	EI010	S3827-1	. ALTIMETER (ZONE 220)	81118 & ON	01 R
				9122 & ON	
	EI023	S3371-1	. ALTIMETER RIGHT SECOND (ZONE 220)		01 R
	JI011	S2035-2	. CONNECTOR ALTIMETER DISCONNECT (ZONE 225)		01 R
-		S1636-2	. . SOCKET	80001 & ON	AR R
-		S1636-1	. . SOCKET	81241 & ON	AR R
	JI012	S1638-5	. CONNECTOR CENTER INSTRUMENT PANEL DISCONNECT (ZONE 220)		01 R
-		S1636-2	. . SOCKETS		AR R
	JI012A	S1638-6	. CONNECTOR CENTER INSTRUMENT PANEL DISCONNECT (ZONE 220)	80147 80148	01 R
-		S1636-2	. . SOCKETS		AR R
	JI012	S1638-6	. CONNECTOR CENTER INSTRUMENT PANEL DISCONNECT (ZONE 220)		01 R
	JI024	S2035-2	. CONNECTOR ALTIMETER DISCONNECT		01 R
	PI011	S2035-1	. CONNECTOR ALTIMETER (ZONE 220)		01 R
		S1635-1	. . CONTACT		02 R
	PI012	S1638-4	. CONNECTOR CENTER PANEL DISCONNECT (ZONE 225)		01 R
-		S1635-1	. . PIN		AR R
	PI012A	S1638-4	. CONNECTOR CENTER PANEL DISCONNECT (ZONE 225)		01 R
	PI024		. CONNECTOR		RF R

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CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



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NAVIGATION LIGHTS
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

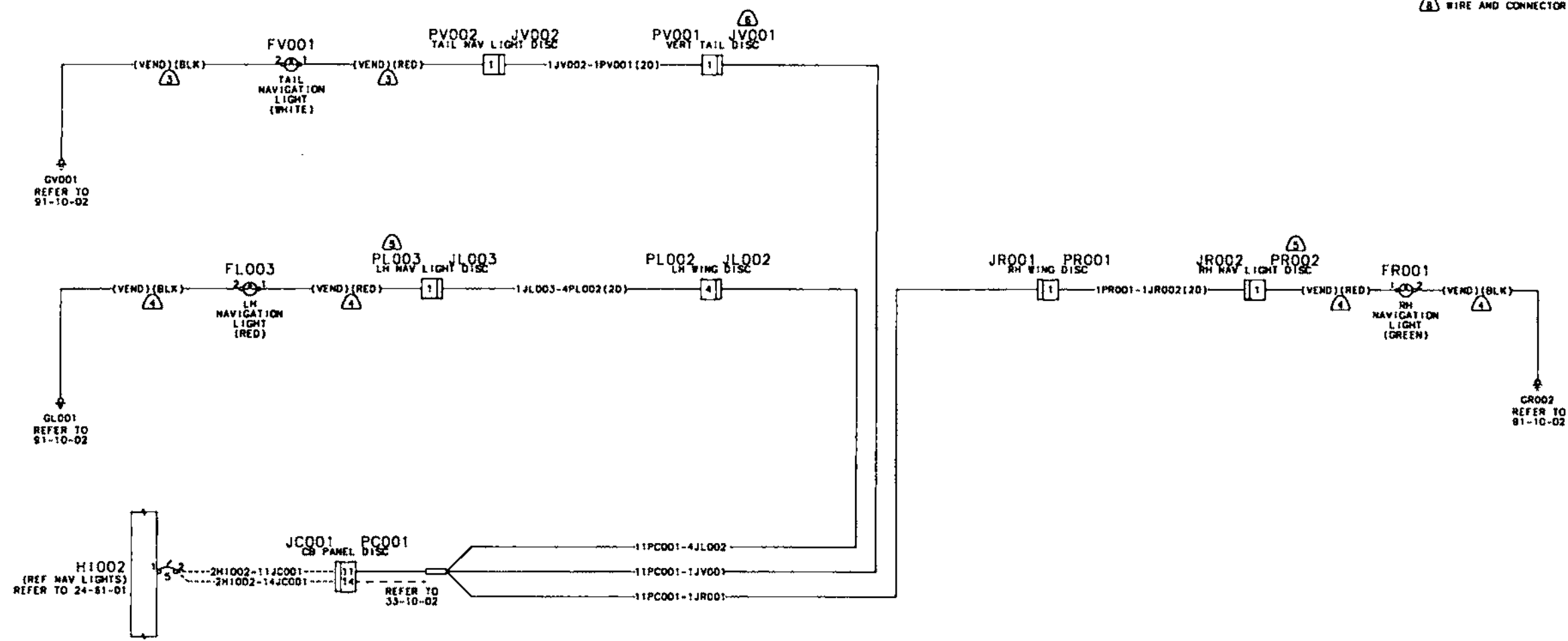
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
		1 2 3 4 5 6 7			
01			NAVIGATION LIGHTS		
			17280001 THRU 17280003		
	FL003	C622001-0201	. LIGHT ASSEMBLY NAVIGATION (RED) (ZONE 520)	80001 81200	01
				8001 9568	
		34-0428020-65	. . ALTERNATE FOR A-7512-24		01
		A1257A	. . GASKET	V72914	01
		A1280-2	. . LENS	V72914	01
		A-7512-24	. . ALTERNATE FOR MS25309-7512		01
		MS25309-7512	. . LIGHT BULB		01
	FR001	C622001-0201	. LIGHT ASSEMBLY NAVIGATION (GREEN) (ZONE 620)	80001 81200	01
				8001 9568	
		A1257A	. . GASKET	V72914	01
		A1280-2	. . LENS	V72914	01
		MS25309-7512	. . LIGHT BULB		01
	FV001	C622001-0102	. NAVIGATION LIGHT TAIL (WHITE) (ZONE 520)	80001 81200	01 R
				8001 9568	
	GL001		. CONNECTOR GROUND (ZONE 520)	81201 81233	RF
				9567 9770	
	GR002		. CONNECTOR GROUND (ZONE 620)		RF
	GV001		. CONNECTOR GROUND (ZONE 340)		RF
	HI002	CM3589-5	. CIRCUIT BREAKER NAVIGATION LIGHT (ZONE 224)		01
		S2122-1	. . NUT		01
	JC001	S2349-6	. CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01
		S2099-4	. . SOCKET		AR
	JL002	S1641-9	. CONNECTOR (ZONE 510)		01
		S1636-1	. . SOCKET		AR
		S1636-2	. . SOCKET		AR
	JL003	S1637-2	. CONNECTOR (ZONE 520)		01
		S1636-1	. . SOCKET		AR
	JR001	S1641-9	. CONNECTOR (ZONE 610)		01
		S1636-1	. . SOCKET		AR
		S1636-2	. . SOCKET		AR
	JR002	S1637-2	. CONNECTOR NAVIGATION LIGHT (ZONE 620)		01
		S1636-1	. . SOCKET		AR
	JV001	S1637-2	. CONNECTOR (ZONE 340)		01
		S1636-1	. . SOCKET		AR
	JV002	S1637-2	. CONNECTOR NAVIGATION LIGHT (ZONE 340)		01
		S1636-1	. . SOCKET		AR
	PC001	S2350-10	. CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01
		S2353-4	. . PIN		AR
		S2353-5	. . PIN		AR
	PL002	S1640-9	. CONNECTOR LEFT WING DISCONNECT (ZONE 510)		01
		S1635-1	. . CONTACT		AR
		S1635-2	. . CONTACT		AR
	PL003	S1637-1	. CONNECTOR LEFT NAVIGATION LIGHT		01
	PR001	S1640-9	. CONNECTOR RIGHT WING DISCONNECT (ZONE 610)		01
		S1635-1	. . CONTACT		AR
		S1635-2	. . CONTACT		AR
	PR002	S1637-1	. CONNECTOR RIGHT NAVIGATION LIGHT DISCONNECT (ZONE 620)		01
	PV001	S1637-1	. CONNECTOR VERTICAL TAIL NAVIGATION LIGHT DISCONNECT (ZONE 340)		01
		S1635-1	. . CONTACT		AR
	PV002	S1637-1	. CONNECTOR NAVIGATION LIGHT (ZONE 340)		01
		S1635-1	. . CONTACT		AR

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Figure 01

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



- NOTES:
- 1. ALL WIRE 22 AWG, EXCEPT AS NOTED
 - 2. PART OF COIL CORD (REF CONTROL WHEEL ASSY)
 - 3. WIRE, PIN (REF PV002), AND RING TERMINAL (REF GV001) SUPPLIED WITH LIGHT ASSY.
 - 4. WIRE, PIN & RING TERMINAL SUPPLIED WITH LIGHT ASSY.
 - 5. REF WING TIP ASSY FOR CONNECTOR CALLOUT.
 - 6. REF FUSELAGE WIRE ROUTING FOR CALLOUT OF CONNECTOR.
 - 7. REF DES J1508 CHANGES TO J1514 WITH NAVI PACKAGE.
 - 8. WIRE AND CONNECTOR SUPPLIED WITH LIGHT ASSY.

NAVIGATION LIGHTS
Figure 02 (Sheet 1)

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CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
02			NAVIGATION LIGHTS		
			17280004 THRU 17281200		
			172S8001 THRU 172S9568		
FL003	C622001-0201		LIGHT ASSEMBLY NAVIGATION (RED) (ZONE 520)	80001 81200 8001 9568	01 R
	34-0428020-65		.. ALTERNATE FOR A-7512-24		01 R
-	A1257A		.. GASKET	V72914	01 R
-	A1280-2		.. LENS	V72914	01 R
-	A-7512-24		.. ALTERNATE FOR MS25309-7512		01 R
-	MS25309-7512		.. LIGHT BULB		01 R
FR001	C622001-0201		LIGHT ASSEMBLY NAVIGATION (GREEN) (ZONE 620)	80001 81200 8001 9568	01 R
-	A1257A		.. GASKET	V72914	01 R
-	A1280-2		.. LENS	V72914	01 R
-	MS25309-7512		.. LIGHT BULB		01 R
FV001	C622001-0102		NAVIGATION LIGHT TAIL (WHITE) (ZONE 520)	80001 81200 8001 9568	01 R
GL001			CONNECTOR GROUND (ZONE 520)	81201 81233 9567 9770	RF R
GR002			CONNECTOR GROUND (ZONE 620)		RF R
GV001			CONNECTOR GROUND (ZONE 340)		RF R
HI002	CM3589-5		CIRCUIT BREAKER NAVIGATION LIGHT (ZONE 224)		01 R
-	S2122-1		.. NUT		01 R
JC001	S2349-5		CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01 R
-	S2099-4		.. SOCKET		AR R
JL002	S1641-9		CONNECTOR (ZONE 510)		01 R
-	S1636-1		.. SOCKET		AR R
-	S1636-2		.. SOCKET		AR R
JL003	S1637-2		CONNECTOR (ZONE 520)		01 R
-	S1636-1		.. SOCKET		AR R
JR001	S1641-9		CONNECTOR (ZONE 610)		01 R
-	S1636-1		.. SOCKET		AR R
-	S1636-2		.. SOCKET		AR R
JR002	S1637-2		CONNECTOR NAVIGATION LIGHT (ZONE 620)		01 R
-	S1636-1		.. SOCKET		AR R
JV001	S1637-2		CONNECTOR (ZONE 340)		01 R
-	S1636-1		.. SOCKET		AR R
JV002	S1637-2		CONNECTOR NAVIGATION LIGHT (ZONE 340)		01 R
-	S1636-1		.. SOCKET		AR R
PC001	S2350-10		CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01 R
-	S2353-4		.. PIN		AR R
-	S2353-5		.. PIN		AR R
PL002	S1640-9		CONNECTOR LEFT WING DISCONNECT (ZONE 510)		01 R
-	S1635-1		.. CONTACT		AR R
-	S1635-2		.. CONTACT		AR R
PL003	S1637-1		CONNECTOR LEFT NAVIGATION LIGHT		01 R
PR001	S1640-9		CONNECTOR RIGHT WING DISCONNECT (ZONE 610)		01 R
-	S1635-1		.. CONTACT		AR R
-	S1635-2		.. CONTACT		AR R
PR002	S1637-1		CONNECTOR RIGHT NAVIGATION LIGHT DISCONNECT (ZONE 620)		01 R
PV001	S1637-1		CONNECTOR VERTICAL TAIL NAVIGATION LIGHT DISCONNECT (ZONE 340)		01 R
-	S1635-1		.. CONTACT		AR R
PV002	S1637-1		CONNECTOR NAVIGATION LIGHT (ZONE 340)		01 R
-	S1635-1		.. CONTACT		AR R

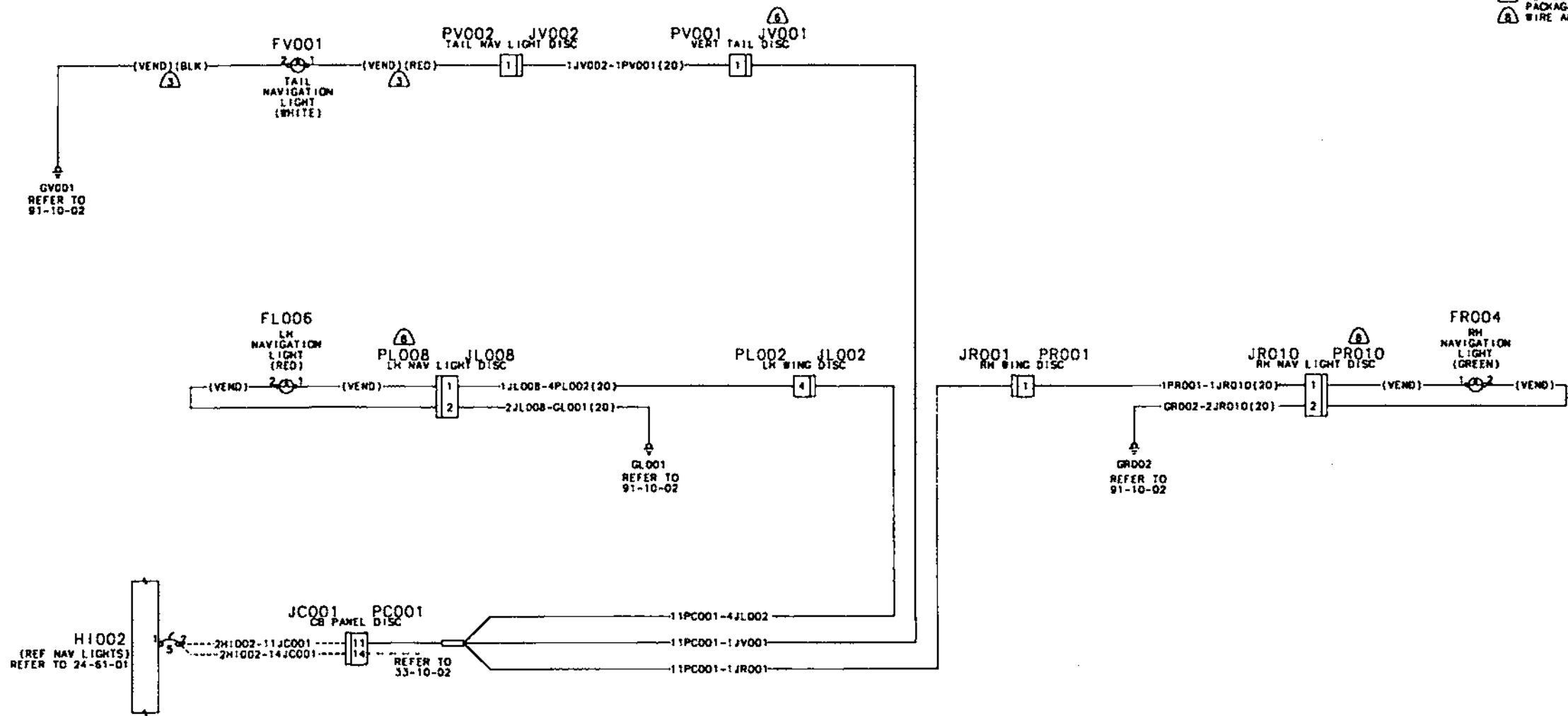
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Figure 02

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

- NOTES:
- 1. ALL WIRE 22 AWG, EXCEPT AS NOTED
 - 2. PART OF COIL CORD (REF CONTROL WHEEL ASSY)
 - 3. WIRE, PIN (REF PV002), AND RING TERMINAL (REF GV001) SUPPLIED WITH LIGHT ASSY.
 - 4. WIRE, PIN & RING TERMINAL SUPPLIED WITH LIGHT ASSY.
 - 5. REF WING TIP ASSY FOR CONNECTOR CALLOUT.
 - 6. REF FUSELAGE WIRE ROUTING FOR CALLOUT OF CONNECTOR.
 - 7. REF DES J1506 CHANGES TO J1514 WITH NAV11 PACKAGE.
 - 8. WIRE AND CONNECTOR SUPPLIED WITH LIGHT ASSY.



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NAVIGATION LIGHTS
Figure 03 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
03		NAVIGATION LIGHTS		
		17281201 THRU 17281233		
		172S9569 THRU 172S9770		
FL006	01-0770082-12	LH WING NAV LIGHT RED (ZONE 520)	81201 & ON 9569 & ON	01 R
-	0723205-9	. . LENS		01 R
-	MS24693S32	. . SCREW		03 R
FR004	01-0770082-13	RH WING NAV LIGHT GREEN (ZONE 620)	81201 & ON 9569 & ON	01 R
-	0723205-10	. . LENS		01 R
-	MS24693S32	. . SCREW		03 R
FV001		TAIL NAVIGATION LIGHT WHITE (ZONE 520)	81201 & ON 9569 & ON	RF R
GL001		CONNECTOR GROUND (ZONE 520)	81201 81233 9567 9770	RF R
GR002		CONNECTOR GROUND (ZONE 620)		RF R
GV001		CONNECTOR GROUND (ZONE 340)		RF R
HI002	CM3589-5	CIRCUIT BREAKER NAVIGATION LIGHT (ZONE 224)		01 R
-	S2122-1	. . NUT		01 R
JC001	S2349-5	CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01 R
-	S2099-4	. . SOCKET		AR R
JL002	S1641-9	CONNECTOR (ZONE 510)		01 R
-	S1636-1	. . SOCKET		AR R
-	S1636-2	. . SOCKET		AR R
JL008	S2035-2	CONNECTOR	81201 & ON 9569 & ON	01 R
-	S1636-1	. . CONTACT		02 R
JR001	S1641-9	CONNECTOR (ZONE 610)		01 R
-	S1636-1	. . SOCKET		AR R
-	S1636-2	. . SOCKET		AR R
JR010	S2035-2	CONNECTOR		01 R
-	S1636-1	. . CONTACT		02 R
JV001	S1637-2	CONNECTOR (ZONE 340)		01 R
-	S1636-1	. . SOCKET		AR R
JV002	S1637-2	CONNECTOR NAVIGATION LIGHT (ZONE 340)		01 R
-	S1636-1	. . SOCKET		AR R
PC001	S2350-10	CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01 R
-	S2353-4	. . PIN		AR R
-	S2353-5	. . PIN		AR R
PL002	S1640-12	CONNECTOR LEFT WING DISCONNECT	81201 & ON 9569 & ON	01 R
PL008		CONNECTOR SUPPLIED WITH VENDOR LIGHT ASSEMBLY	81201 & ON 9567 & ON	RF R
PR001	S1640-9	CONNECTOR RIGHT WING DISCONNECT (ZONE 610)		01 R
-	S1635-1	. . CONTACT		AR R
-	S1635-2	. . CONTACT		AR R
PR010		CONNECTOR SUPPLIED WITH VENDOR LIGHT ASSEMBLY		RF R
PV001	S1637-1	CONNECTOR VERTICAL TAIL NAVIGATION LIGHT DISCONNECT (ZONE 340)		01 R
-	S1635-1	. . CONTACT		AR R
PV002	S1637-1	CONNECTOR NAVIGATION LIGHT (ZONE 340)		01 R
-	S1635-1	. . CONTACT		AR R

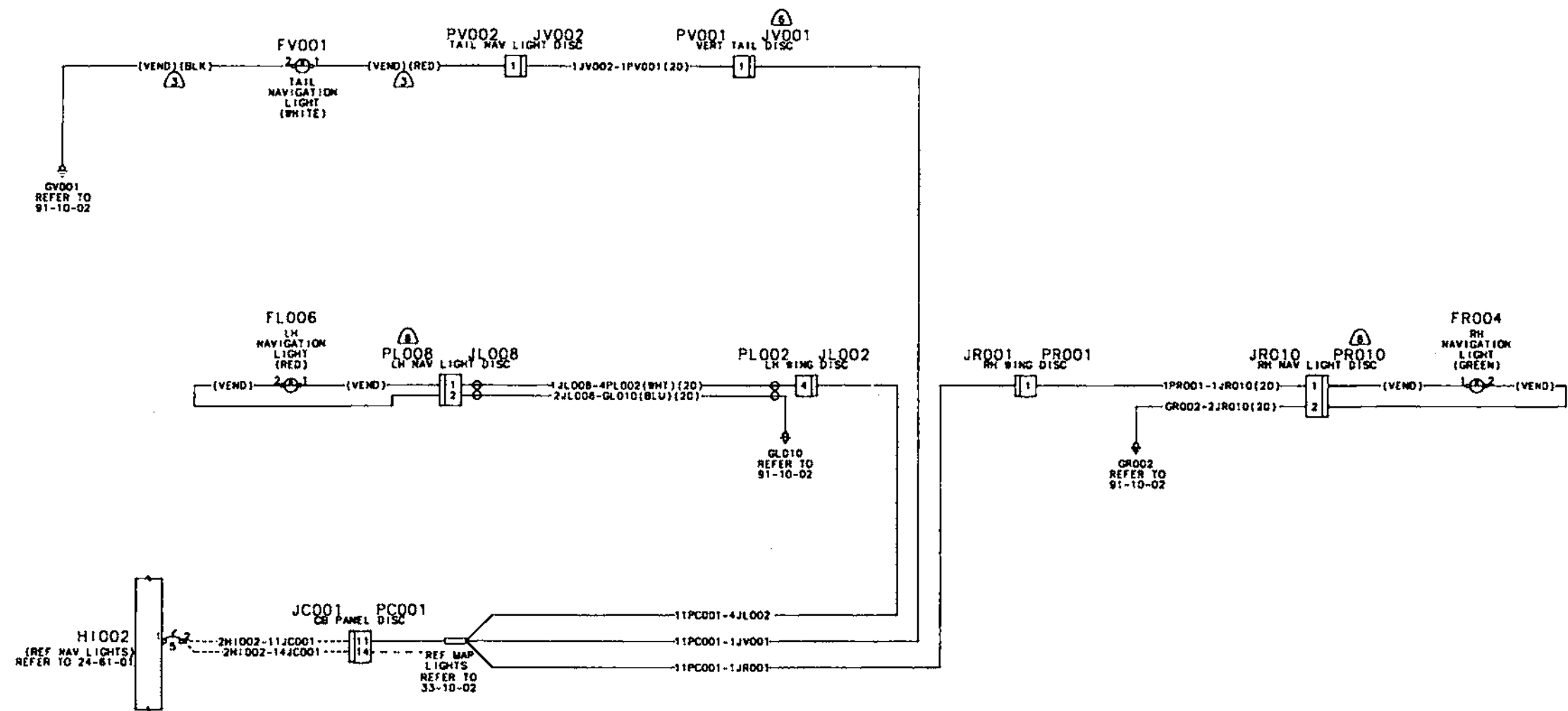
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Figure 03

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

- NOTES:
- 1. ALL WIRE 22 AWG, EXCEPT AS NOTED
 - 2. PART OF COIL CORD (REF CONTROL WHEEL ASSY)
 - 3. WIRE, PIN (REF PV002), AND RING TERMINAL (REF GV001) SUPPLIED WITH LIGHT ASSY.
 - 4. WIRE, PIN & RING TERMINAL SUPPLIED WITH LIGHT ASSY.
 - 5. REF WING TIP ASSY FOR CONNECTOR CALLOUT.
 - 6. REF FUSELAGE WIRE ROUTING FOR CALLOUT OF CONNECTOR.
 - 7. REF DIS J1506 CHANGES TO J1514 WITH NAVI1 PACKAGE.
 - 8. WIRE AND CONNECTOR SUPPLIED WITH LIGHT ASSY.



057055114

NAVIGATION LIGHTS
Figure 04 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

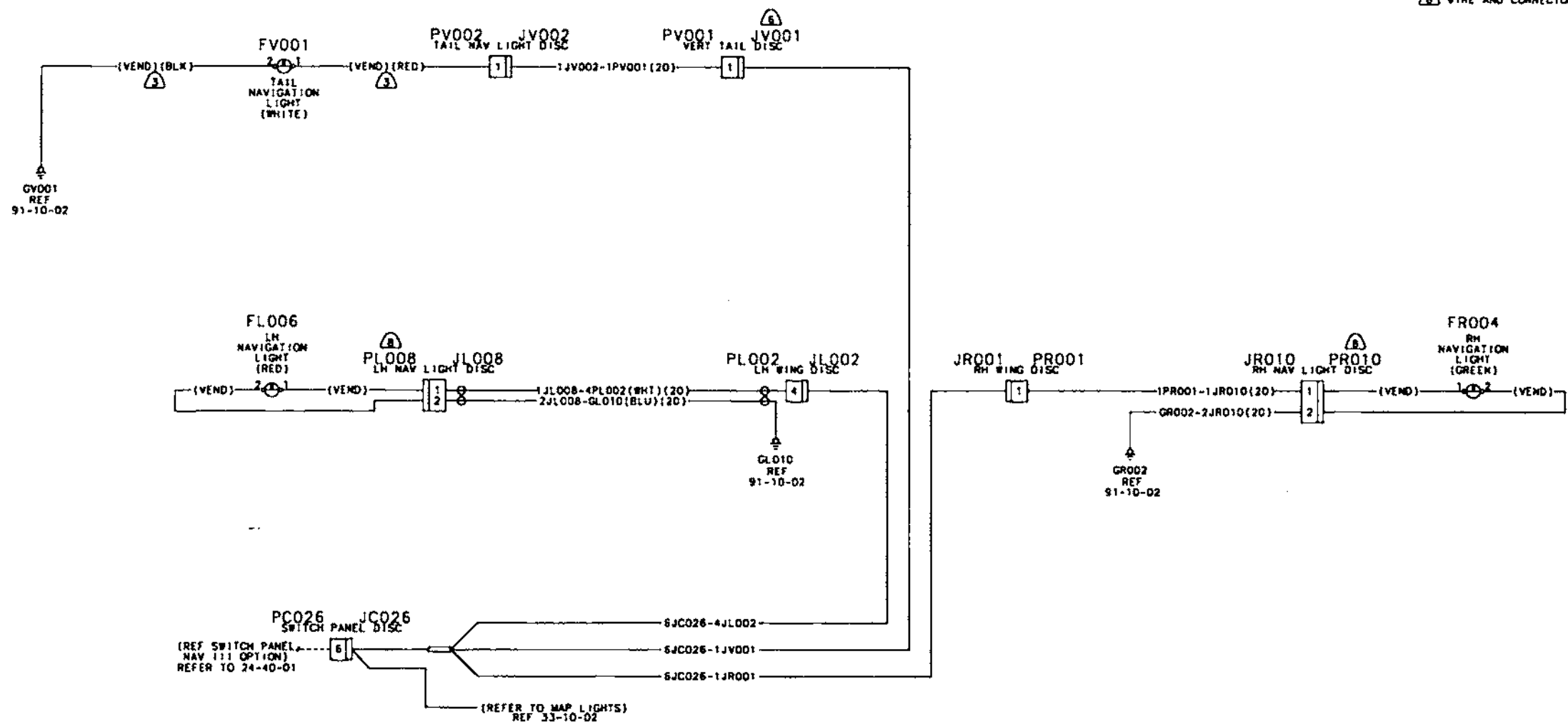
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES		1 2 3 4 5 6 7		FROM TO	PER ASSY
04			NAVIGATION LIGHTS		
			17281234 & ON		
			172S9771 & ON		
			WITHOUT NAV III OPTION		
FL006	01-0770082-12		LH WING NAV LIGHT RED (ZONE 520)	81201 & ON 9569 & ON	01 R
-	0723205-9		. . LENS		01 R
-	MS24693S32		. . SCREW		03 R
FR004	01-0770082-13		RH WING NAV LIGHT GREEN (ZONE 620)	81201 & ON 9569 & ON	01 R
-	0723205-10		. . LENS		01 R
-	MS24693S32		. . SCREW		03 R
FV001			TAIL NAVIGATION LIGHT WHITE (ZONE 520)	81201 & ON 9569 & ON	RF R
GL010	0508001-2		GROUND STUD (ZONE 510)	81234 & ON 9771 & ON	01 R
GR002			CONNECTOR GROUND (ZONE 620)		RF R
GV001			CONNECTOR GROUND (ZONE 340)		RF R
H1002	CM3589-5		CIRCUIT BREAKER NAVIGATION LIGHT (ZONE 224)		01 R
-	S2122-1		. . NUT		01 R
JC001	S2349-5		CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01 R
-	S2099-4		. . SOCKET		AR R
JL002	S1641-9		CONNECTOR (ZONE 510)		01 R
-	S1636-1		. . SOCKET		AR R
-	S1636-2		. . SOCKET		AR R
JL008	S2035-2		CONNECTOR	81201 & ON 9569 & ON	01 R
-	S1636-1		. . CONTACT		02 R
JR001	S1641-9		CONNECTOR (ZONE 610)		01 R
-	S1636-1		. . SOCKET		AR R
-	S1636-2		. . SOCKET		AR R
JR010	S2035-2		CONNECTOR		01 R
-	S1636-1		. . CONTACT		02 R
JV001	S1637-2		CONNECTOR (ZONE 340)		01 R
-	S1636-1		. . SOCKET		AR R
JV002	S1637-2		CONNECTOR NAVIGATION LIGHT (ZONE 340)		01 R
-	S1636-1		. . SOCKET		AR R
PC001	S2350-10		CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01 R
-	S2353-4		. . PIN		AR R
-	S2353-5		. . PIN		AR R
PL002	S1640-12		CONNECTOR LEFT WING DISCONNECT	81201 & ON 9569 & ON	01 R
PL008			CONNECTOR SUPPLIED WITH VENDOR LIGHT ASSEMBLY	81201 & ON 9567 & ON	RF R
PR001	S1640-9		CONNECTOR RIGHT WING DISCONNECT (ZONE 610)		01 R
-	S1635-1		. . CONTACT		AR R
-	S1635-2		. . CONTACT		AR R
PR010			CONNECTOR SUPPLIED WITH VENDOR LIGHT ASSEMBLY		RF R
PV001	S1637-1		CONNECTOR VERTICAL TAIL NAVIGATION LIGHT DISCONNECT (ZONE 340)		01 R
-	S1635-1		. . CONTACT		AR R
PV002	S1637-1		CONNECTOR NAVIGATION LIGHT (ZONE 340)		01 R
-	S1635-1		. . CONTACT		AR R

- ITEM NOT ILLUSTRATED

Figure 04

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



- NOTES:
- 1. ALL WIRE 22 AWG, EXCEPT AS NOTED
 - 2. PART OF COIL CORD (REF CONTROL WHEEL ASSY)
 - 3. WIRE, PIN (REF PV002), AND RING TERMINAL (REF GY001) SUPPLIED WITH LIGHT ASSY.
 - 4. WIRE, PIN & RING TERMINAL SUPPLIED WITH LIGHT ASSY.
 - 5. REF WING TIP ASSY FOR CONNECTOR CALLOUT.
 - 6. REF FUSELAGE WIRE ROUTING FOR CALLOUT OF CONNECTOR.
 - 7. REF DES J1506 CHANGES TO J1514 WITH NAVII PACKAGE.
 - 8. WIRE AND CONNECTOR SUPPLIED WITH LIGHT ASSY.

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NAVIGATION LIGHTS
Figure 05 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
		1 2 3 4 5 6 7		
05		NAVIGATION LIGHTS		
		17281241 & ON		
		172S9810 & ON		
		WITH NAV III OPTION		
FL006	01-0770082-12	. LH WING NAV LIGHT RED (ZONE 520)	81201 & ON 9569 & ON	01 R
-	0723205-9	. . LENS		01 R
-	MS24693S32	. . SCREW		03 R
FR004	01-0770082-13	. RH WING NAV LIGHT GREEN (ZONE 620)	81201 & ON 9569 & ON	01 R
-	0723205-10	. . LENS		01 R
-	MS24693S32	. . SCREW		03 R
FV001		. TAIL NAVIGATION LIGHT WHITE (ZONE 520)	81201 & ON 9569 & ON	RF R
GL010	0508001-2	. GROUND STUD (ZONE 510)	81234 & ON 9771 & ON	01 R
GR002		. CONNECTOR GROUND (ZONE 620)		RF R
GV001		. CONNECTOR GROUND (ZONE 340)		RF R
JC026	S2350-3	. CONNECTOR SWITCH PANEL DISCONNECT (ZONE 224)	81241 & ON 9810 & ON	01 R
-	S2353-4	. . PIN		AR R
-	S2353-5	. . PIN		AR R
JL002	S1641-9	. CONNECTOR (ZONE 510).		01 R
-	S1636-1	. . SOCKET		AR R
-	S1636-2	. . SOCKET		AR R
JL008	S2035-2	. CONNECTOR	81201 & ON 9569 & ON	01 R
-	S1636-1	. . CONTACT		02 R
JR001	S1641-9	. CONNECTOR (ZONE 610).		01 R
-	S1636-1	. . SOCKET		AR R
-	S1636-2	. . SOCKET		AR R
JR010	S2035-2	. CONNECTOR		01 R
-	S1636-1	. . CONTACT		02 R
JV001	S1637-2	. CONNECTOR (ZONE 340).		01 R
-	S1636-1	. . SOCKET		AR R
JV002	S1637-2	. CONNECTOR NAVIGATION LIGHT (ZONE 340)		01 R
-	S1636-1	. . SOCKET		AR R
PC026	S2349-1	. CONNECTOR SWITCH PANEL (ZONE 224).	81241 & ON 9810 & ON	01 R
-	S2099-13	. . SOCKET		AR R
PL002	S1640-12	. CONNECTOR LEFT WING DISCONNECT	81201 & ON 9569 & ON	01 R
PL008		. CONNECTOR SUPPLIED WITH VENDOR LIGHT ASSEMBLY	81201 & ON 9567 & ON	RF R
PR001	S1640-9	. CONNECTOR RIGHT WING DISCONNECT (ZONE 610)		01 R
-	S1635-1	. . CONTACT		AR R
-	S1635-2	. . CONTACT		AR R
PR010		. CONNECTOR SUPPLIED WITH VENDOR LIGHT ASSEMBLY		RF R
PV001	S1637-1	. CONNECTOR VERTICAL TAIL NAVIGATION LIGHT DISCONNECT (ZONE 340)		01 R
-	S1635-1	. . CONTACT		AR R
PV002	S1637-1	. CONNECTOR NAVIGATION LIGHT (ZONE 340)		01 R
-	S1635-1	. . CONTACT		AR R

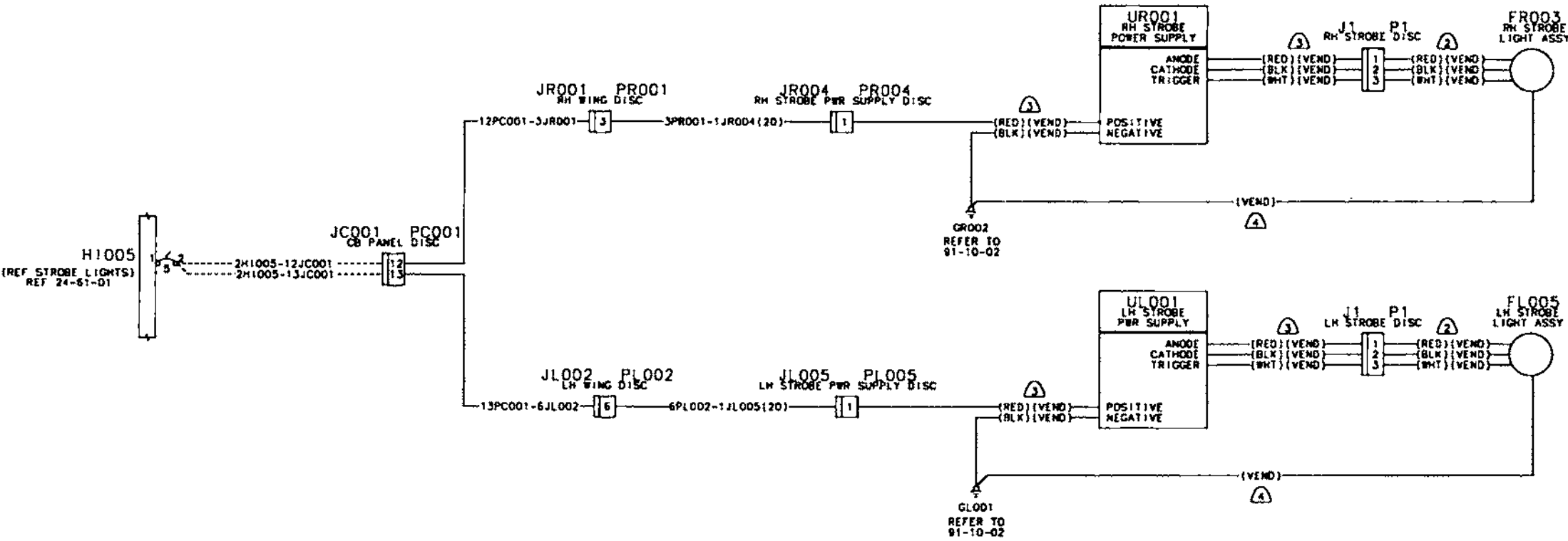
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Figure 05

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

- NOTES:
- 1. ALL WIRE 22AWG, EXCEPT AS NOTED
 - 2. WIRE & CONNECTOR SUPPLIED WITH LIGHT ASSY.
 - 3. WIRE, CONNECTORS AND GND RING TERMINAL SUPPLIED WITH POWER SUPPLY.
 - 4. BRAID STRAP SUPPLIED WITH STROBE LENS USED TO GROUND METALIC COATED LENS.
 - 5. REMOVE GND RING TERMINAL SUPPLIED WITH POWER SUPPLY.



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STROBE LIGHTS
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
		1234567			
01			STROBE LIGHTS		
			17280001 THRU 17281200		
			172S8001 THRU 172S9568		
	FL005	C622003-0101	. LIGHT ASSEMBLY LEFT STROBE (ZONE 520)	80001 81200	01
				8001 9568	
-		02-0250274-05	ALTERNATE FOR C622003-0101		01
-		1520006-1	. . SPACER		01
-		C622003-0104	. . LENS		01
	FR003	C622003-0101	. LIGHT ASSEMBLY RIGHT STROBE (ZONE 620)	80001 81200	01
				8001 9568	
-		1520006-1	. . SPACER		01
-		C622003-0104	. . LENS		01
	GL001		. CONNECTOR GROUND (ZONE 520)	81201 81233	RF R
				9567 9770	
	GR002		. CONNECTOR GROUND (ZONE 620)		RF R
	HI005	CM3589-5	. CIRCUIT BREAKER STROBE LIGHT (ZONE 224)		01
	J1	S1638-2	. CONNECTOR SUPPLIED WITH VENDOR POWER SUPPLY KIT (ZONE 520)		01
-		S1635-1	. . PINS		AR
	JC001	S2349-5	. CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01
-		S2099-4	. . SOCKET		AR
	JL002	S1641-9	. CONNECTOR (ZONE 510)		01
-		S1636-1	. . SOCKET		AR
-		S1636-2	. . SOCKET		AR
	JL005	S1637-2	. CONNECTOR (ZONE 520)		01
-		S1636-1	. . SOCKET		AR
	JR001	S1641-9	. CONNECTOR (ZONE 610)		01
-		S1636-1	. . SOCKET		AR
-		S1636-2	. . SOCKET		AR
	JR004	S1637-2	. CONNECTOR (ZONE 620)		01
-		S1636-1	. . SOCKET		AR
	P1		. CONNECTOR SUPPLIED WITH VENDOR ASSEMBLY (ZONE 520/620)		RF R
	PC001	S2350-10	. CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01
-		S2353-4	. . PIN		AR
-		S2353-5	. . PIN		AR
	PL002	S1640-9	. CONNECTOR LEFT WING DISCONNECT (ZONE 510)		01
-		S1635-1	. . CONTACT		AR
-		S1635-2	. . CONTACT		AR
	PL005	S1637-1	. CONNECTOR LEFT STROBE LIGHT POWER SUPPLY DISCONNECT (ZONE 510)		01
	PR001	S1640-9	. CONNECTOR RIGHT WING DISCONNECT (ZONE 610)		01
-		S1635-1	. . CONTACT		AR
-		S1635-2	. . CONTACT		AR
	PR004	S1637-1	. CONNECTOR RIGHT STROBE LIGHT POWER SUPPLY (ZONE 620)		01
	UL001	C622008-0102	. POWER SUPPLY STROBE (ZONE 520)	V10402 80001 81200	01
				8001 9568	
	UR001	C622008-0102	. POWER SUPPLY STROBE (ZONE 620)	V10402 80001 81200	01
				8001 9568	

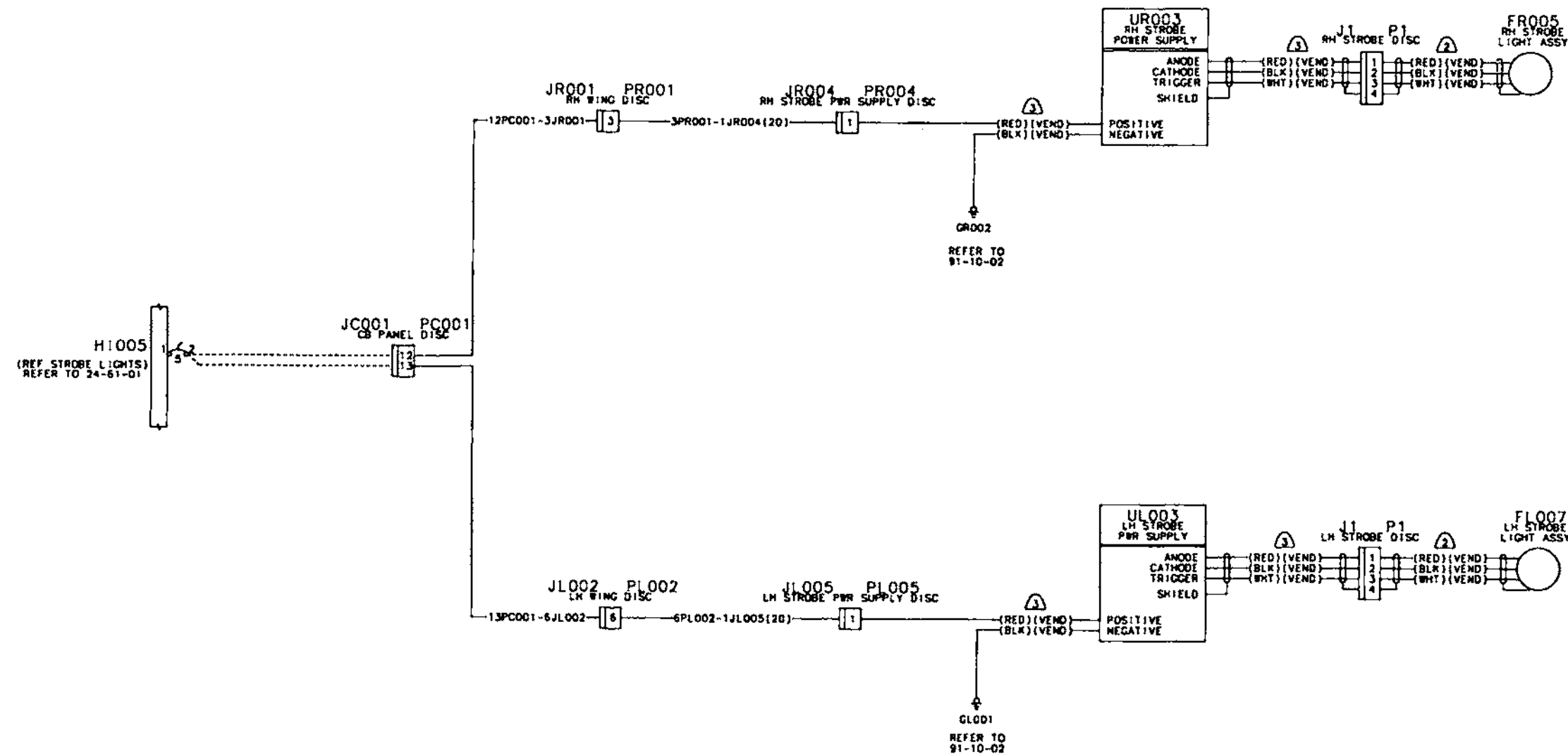
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Figure 01

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

- NOTES:
- 1. ALL WIRE 22AWG, EXCEPT AS NOTED
 - 2. WIRE & CONNECTOR SUPPLIED WITH LIGHT ASSY.
 - 3. WIRE, CONNECTORS AND GND RING TERMINAL SUPPLIED WITH POWER SUPPLY.
 - 4. BRAID STRAP SUPPLIED WITH STROBE LENS USED TO GROUND METALIC COATED LENS.
 - 5. REMOVE GND RING TERMINAL SUPPLIED WITH POWER SUPPLY.



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STROBE LIGHTS
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
02			STROBE LIGHTS		
			17281201 THRU 17281233		
			172S9569 THRU 172S9770		
FL007	01-0770818-00		STROBE LIGHT ASSEMBLY LEFT (ZONE 520)	81201 & ON 9569 & ON	01 R
FR005	01-0770818-00		STROBE LIGHT ASSEMBLY RIGHT (ZONE 620)	81201 & ON 9569 & ON	01 R
GL001			CONNECTOR GROUND (ZONE 520)	81201 81233 9567 9770	RF R
GR002			CONNECTOR GROUND (ZONE 620)		RF R
HI005	CM3589-5		CIRCUIT BREAKER STROBE LIGHT (ZONE 224)		01 R
J1	S2350-10		CONNECTOR POWER CONVERTER (ZONE 121)		01 R
JC001	S2349-5		CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01 R
-	S2099-4		SOCKET		AR R
JL002	S1641-9		CONNECTOR (ZONE 510)		01 R
-	S1636-1		SOCKET		AR R
-	S1636-2		SOCKET		AR R
JL005	S1637-2		CONNECTOR (ZONE 520)		01 R
-	S1636-1		SOCKET		AR R
JR001	S1641-9		CONNECTOR (ZONE 610)		01 R
-	S1636-1		SOCKET		AR R
-	S1636-2		SOCKET		AR R
JR004	S1637-2		CONNECTOR (ZONE 620)		01 R
-	S1636-1		SOCKET		AR R
P1			CONNECTOR SUPPLIED WITH VENDOR ASSEMBLY (ZONE 520/620)		RF R
PC001	S2350-10		CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01 R
-	S2353-4		PIN		AR R
-	S2353-5		PIN		AR R
PL002	S1640-12		CONNECTOR LEFT WING DISCONNECT	81201 & ON 9569 & ON	01 R
PL005	S1637-1		CONNECTOR LEFT STROBE LIGHT POWER SUPPLY DISCONNECT (ZONE 510)		01 R
PR001	S1640-9		CONNECTOR RIGHT WING DISCONNECT (ZONE 510)		01 R
-	S1635-1		CONTACT		AR R
-	S1635-2		CONTACT		AR R
PR004	S1637-1		CONNECTOR RIGHT STROBE LIGHT POWER SUPPLY (ZONE 620)		01 R
UL003	01-0770006-17		POWER SUPPLY LEFT STROBE LIGHT (ZONE 520)	81201 & ON 9569 & ON	01 R
UR003	01-0770006-17		POWER SUPPLY RIGHT STROBE LIGHT (ZONE 620)	81201 & ON 9569 & ON	01 R

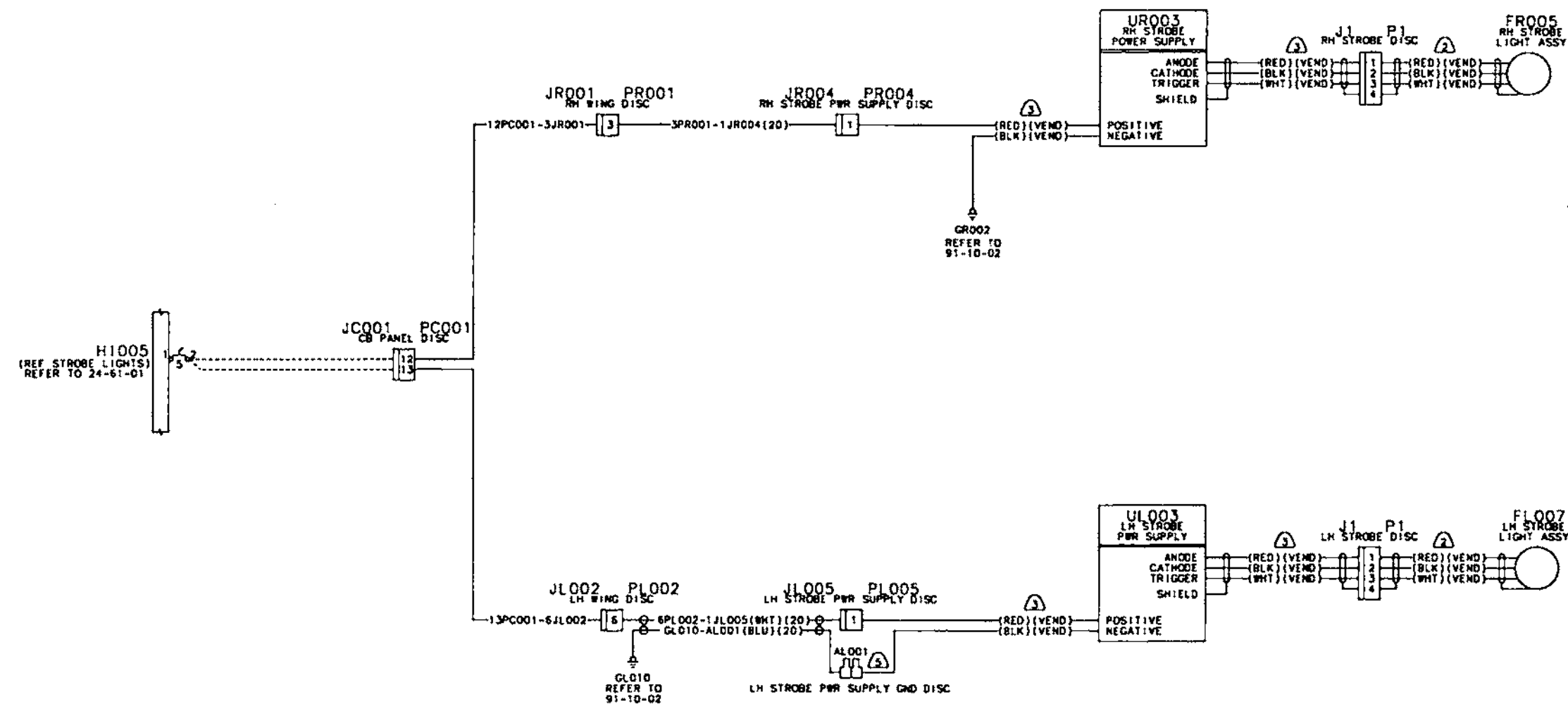
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Figure 02

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

- NOTES:
- 1. ALL WIRE 22AWG, EXCEPT AS NOTED
 - 2. WIRE & CONNECTOR SUPPLIED WITH LIGHT ASSY.
 - 3. WIRE, CONNECTORS AND GND RING TERMINAL SUPPLIED WITH POWER SUPPLY.
 - 4. BRAID STRAP SUPPLIED WITH STROBE LENS USED TO GROUND METALIC COATED LENS.
 - 5. REMOVE GND RING TERMINAL SUPPLIED WITH POWER SUPPLY.



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STROBE LIGHTS
Figure 03 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
		1234567			
03			STROBE LIGHTS		
			17281234 & ON		
			172S9771 & ON		
			WITHOUT NAV III OPTION		
AL001	796753-1		LEFT STROBE POWER SUPPLY GROUND DISCONNECT (ZONE 520)	V00779 81234 & ON	01 R
FL007	01-0770818-00		STROBE LIGHT ASSEMBLY LEFT (ZONE 520)	9771 & ON	01 R
FR005	01-0770818-00		STROBE LIGHT ASSEMBLY RIGHT (ZONE 620)	81201 & ON	01 R
				9569 & ON	
GLO10	2-36153-2		CONNECTOR GROUND (ZONE 520)		01 R
GR002			CONNECTOR GROUND (ZONE 620)		RF R
H1005	CM3589-5		CIRCUIT BREAKER STROBE LIGHT (ZONE 224)		01 R
J1	S2350-10		CONNECTOR POWER CONVERTER (ZONE 121)		01 R
JC001	S2349-5		CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01 R
	S2099-4		SOCKET		AR R
JL002	S1641-9		CONNECTOR (ZONE 510)		01 R
	S1636-1		SOCKET		AR R
	S1636-2		SOCKET		AR R
JL005	S1637-2		CONNECTOR (ZONE 520)		01 R
	S1636-1		SOCKET		AR R
JR001	S1641-9		CONNECTOR (ZONE 610)		01 R
	S1636-1		SOCKET		AR R
	S1636-2		SOCKET		AR R
JR004	S1637-2		CONNECTOR (ZONE 620)		01 R
	S1636-1		SOCKET		AR R
P1			CONNECTOR SUPPLIED WITH VENDOR ASSEMBLY (ZONE 520/620)		RF R
PC001	S2350-10		CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01 R
	S2353-4		PIN		AR R
	S2353-5		PIN		AR R
PL002	S1640-12		CONNECTOR LEFT WING DISCONNECT	81201 & ON	01 R
				9569 & ON	
PL005	S1637-1		CONNECTOR LEFT STROBE LIGHT POWER SUPPLY DISCONNECT (ZONE 510)		01 R
PR001	S1640-9		CONNECTOR RIGHT WING DISCONNECT (ZONE 610)		01 R
	S1635-1		CONTACT		AR R
	S1635-2		CONTACT		AR R
PR004	S1637-1		CONNECTOR RIGHT STROBE LIGHT POWER SUPPLY (ZONE 620)		01 R
UL003	01-0770006-17		POWER SUPPLY LEFT STROBE LIGHT (ZONE 520)	81201 & ON	01 R
				9569 & ON	
UR003	01-0770006-17		POWER SUPPLY RIGHT STROBE LIGHT (ZONE 620)	81201 & ON	01 R
				9569 & ON	

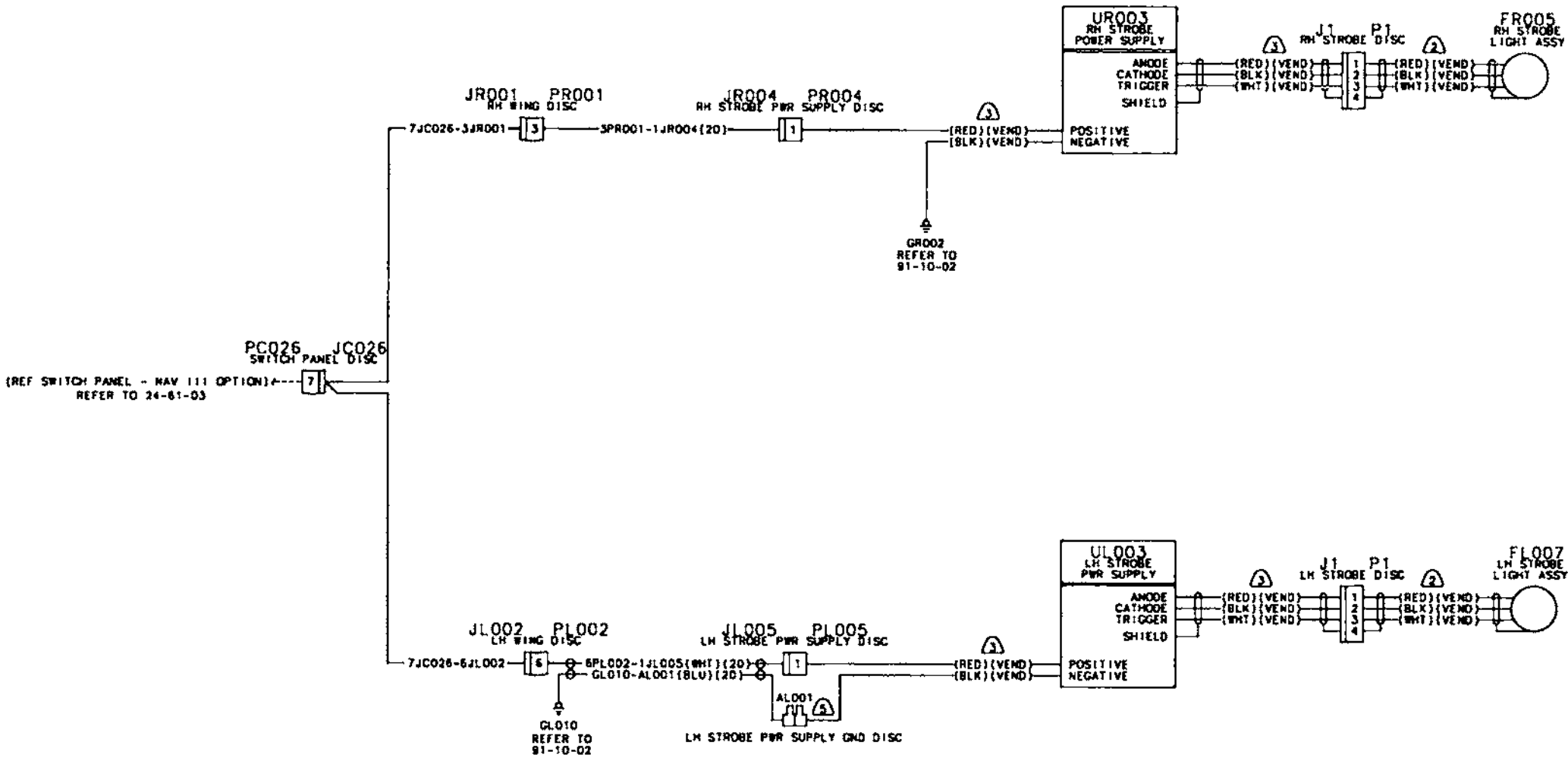
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Figure 03

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

- NOTES:
- 1. ALL WIRE 22AWG, EXCEPT AS NOTED
 - 2. WIRE & CONNECTOR SUPPLIED WITH LIGHT ASSY.
 - 3. WIRE, CONNECTORS AND GND RING TERMINAL SUPPLIED WITH POWER SUPPLY.
 - 4. BRAID STRAP SUPPLIED WITH STROBE LENS USED TO GROUND METALIC COATED LENS.
 - 5. REMOVE GND RING TERMINAL SUPPLIED WITH POWER SUPPLY.



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STROBE LIGHTS
Figure 04 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

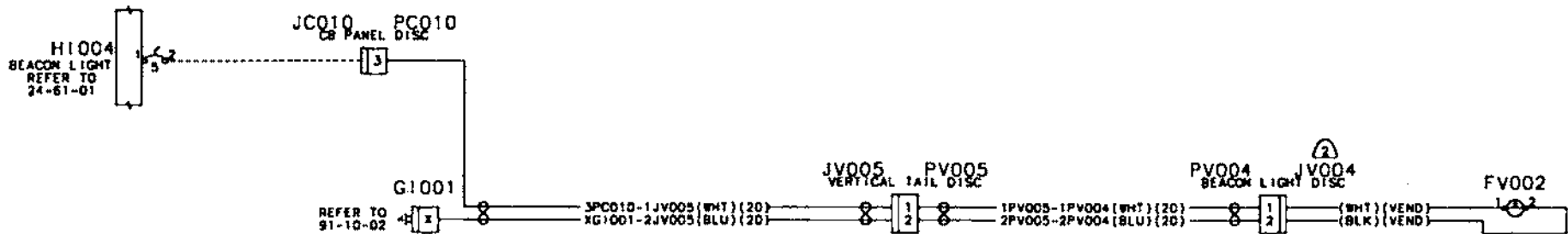
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES		1234567		FROM TO	PER ASSY
04			STROBE LIGHTS		
			17281241 & ON		
			172S9810 & ON		
			WITH NAV III OPTION		
AL001	796753-1		LEFT STROBE POWER SUPPLY GROUND DISCONNECT (ZONE 520)	V00779 81234 & ON	01 R
FL007	01-0770818-00		STROBE LIGHT ASSEMBLY LEFT (ZONE 520)	9771 & ON	01 R
FR005	01-0770818-00		STROBE LIGHT ASSEMBLY RIGHT (ZONE 620)	81201 & ON	01 R
				9569 & ON	
GLO10	2-36153-2		CONNECTOR GROUND (ZONE 520)		01 R
GR002			CONNECTOR GROUND (ZONE 620)		RF R
J1	S2350-10		CONNECTOR POWER CONVERTER (ZONE 121)		01 R
JC026	S2350-3		CONNECTOR SWITCH PANEL DISCONNECT (ZONE 224)	81241 & ON	01 R
				9810 & ON	
-	S2353-4		PIN		AR R
-	S2353-5		PIN		AR R
JL002	S1641-9		CONNECTOR (ZONE 510)		01 R
-	S1636-1		SOCKET		AR R
-	S1636-2		SOCKET		AR R
JL005	S1637-2		CONNECTOR (ZONE 520)		01 R
-	S1636-1		SOCKET		AR R
JR001	S1641-9		CONNECTOR (ZONE 610)		01 R
-	S1636-1		SOCKET		AR R
-	S1636-2		SOCKET		AR R
JR004	S1637-2		CONNECTOR (ZONE 620)		01 R
-	S1636-1		SOCKET		AR R
P1			CONNECTOR SUPPLIED WITH VENDOR ASSEMBLY (ZONE 520/620)		RF R
PC026	S2349-1		CONNECTOR SWITCH PANEL (ZONE 224)	81241 & ON	01 R
				9810 & ON	
-	S2099-13		SOCKET		AR R
PL002	S1640-12		CONNECTOR LEFT WING DISCONNECT	81201 & ON	01 R
				9569 & ON	
PL005	S1637-1		CONNECTOR LEFT STROBE LIGHT POWER SUPPLY DISCONNECT (ZONE 510)		01 R
PR001	S1640-9		CONNECTOR RIGHT WING DISCONNECT (ZONE 610)		01 R
-	S1635-1		CONTACT		AR R
-	S1635-2		CONTACT		AR R
PR004	S1637-1		CONNECTOR RIGHT STROBE LIGHT POWER SUPPLY (ZONE 620)		01 R
UL003	01-0770006-17		POWER SUPPLY LEFT STROBE LIGHT (ZONE 520)	81201 & ON	01 R
				9569 & ON	
UR003	01-0770006-17		POWER SUPPLY RIGHT STROBE LIGHT (ZONE 620)	81201 & ON	01 R
				9569 & ON	

- ITEM NOT ILLUSTRATED

Figure 04

Page 1

NOTES:
1. ALL WIRE 22AWG, EXCEPT AS NOTED
2. WIRE & CONNECTOR SUPPLIED WITH LIGHT



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FLASHING BEACON
Figure 01 (Sheet 1)

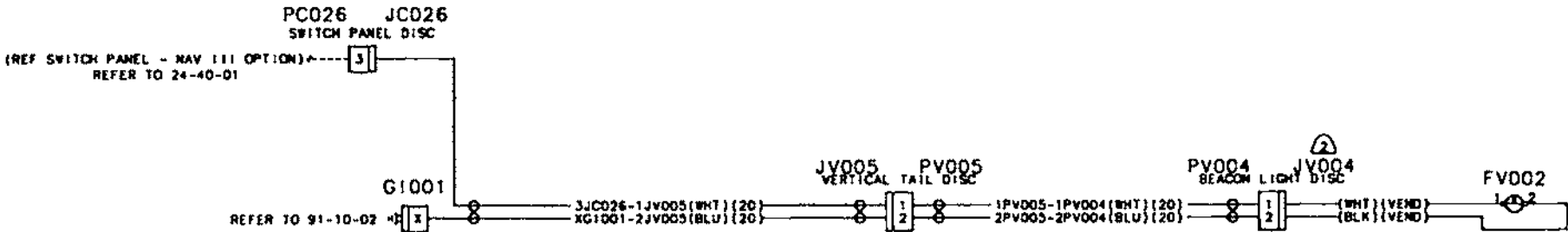
CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
01			FLASHING BEACON		
			17281241 & ON		
			172S9810 & ON		
			WITHOUT NAV III OPTION		
FV002	01-0770509-07		. LIGHT ASSEMBLY FLASHING BEACON (ZONE 340)	V10402	01 R
-	02-0350433-01		. . LIGHT BULB		01 R
GI001	200838-2		. CONNECTOR GROUND (ZONE 211)	V00779 80884 & ON	01 R
				8403 & ON	
-	201846-1		. . CLAMP KIT		01 R
-	203618-1		. . JACK SCREW		AR R
-	AN340-3		. . NUT		AR R
-	S2099-4		. . SOCKET	80001 81142	AR R
-	S2099-3		. . CONTACT	81143 & ON	AR R
HI004	CM3589-5		. CIRCUIT BREAKER BEACON LIGHT (ZONE 224)		01 R
JC010	S1641-6		. CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01 R
-	S1636-2		. . SOCKETS		AR R
JV004	S2035-2		. CONNECTOR (ZONE 340)		01 R
JV005	S2035-2		. CONNECTOR (ZONE 310)		01 R
-	S1636-1		. . SOCKET		AR R
PC010	S1640-6		. CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01 R
-	S1635-1		. . PIN		AR R
-	S1635-2		. . PIN		AR R
PV004	S2035-1		. CONNECTOR BEACON LIGHT DISCONNECT (ZONE 340)		01 R
-	S1635-1		. . CONTACT		AR R
PV005	S2035-1		. CONNECTOR VERTICAL TAIL DISCONNECT (ZONE 340)		01 R
-	S1635-1		. . CONTACT		AR R

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Figure 01
Page 1

NOTES:
1. ALL WIRE 22AWG, EXCEPT AS NOTED
2. WIRE & CONNECTOR SUPPLIED WITH LIGHT



0570554G1

FLASHING BEACON
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
02			FLASHING BEACON		
			17281241 & ON		
			172S9810 & ON		
			WITH NAV III OPTION		
FV002	01-0770509-07		. LIGHT ASSEMBLY FLASHING BEACON (ZONE 340)	V10402	01 R
-	02-0350433-01		. . LIGHT BULB		01 R
GI001	200838-2		. CONNECTOR GROUND (ZONE 211)	V00779	01 R
				80884 & ON	
				8403 & ON	
-	201846-1		. . CLAMP KIT		01 R
-	203618-1		. . JACK SCREW		ARR
-	AN340-3		. . NUT		ARR
-	S2099-4		. . SOCKET	80001 81142	ARR
-	S2099-3		. . CONTACT	81143 & ON	ARR
JC026	S2350-3		. CONNECTOR SWITCH PANEL DISCONNECT (ZONE 224)	81241 & ON	01 R
				9810 & ON	
-	S2353-4		. . PIN		ARR
-	S2353-5		. . PIN		ARR
JV004	S2035-2		. CONNECTOR (ZONE 340).		01 R
JV005	S2035-2		. CONNECTOR (ZONE 310).		01 R
-	S1636-1		. . SOCKET		ARR
PC026	S2349-1		. CONNECTOR SWITCH PANEL (ZONE 224).	81241 & ON	01 R
				9810 & ON	
-	S2099-13		. . SOCKET		ARR
PV004	S2035-1		. CONNECTOR BEACON LIGHT DISCONNECT (ZONE 340)		01 R
-	S1635-1		. . CONTACT		ARR
PV005	S2035-1		. CONNECTOR VERTICAL TAIL DISCONNECT (ZONE 340).		01 R
-	S1635-1		. . CONTACT		ARR

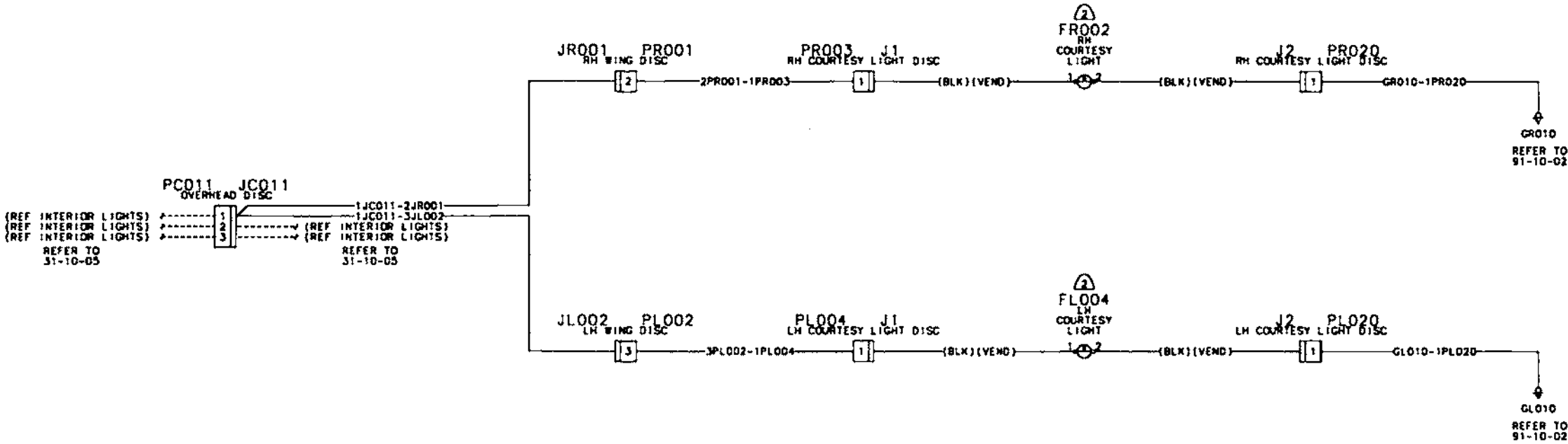
- ITEM NOT ILLUSTRATED

Figure 02

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

NOTES:
1. ALL WIRE 22AWG, EXCEPT AS NOTED
2. WIRE & CONNECTORS SUPPLIED WITH LIGHT ASSY.



0570555E1

UNDER WING COURTESY LIGHTS
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
		1 2 3 4 5 6 7		
01		UNDER WING COURTESY LIGHTS		
		17280001 THRU 17281233		
		172S8001 THRU 172S9770		
FL004	0521101-7	. LIGHT ASSEMBLY LEFT COURTESY (ZONE 510)		01
-	MS15584-15	. . LIGHT BULB		01
FR002	0521101-7	. LIGHT ASSEMBLY RIGHT COURTESY (ZONE 610)		01
-	MS15584-15	. . LIGHT BULB		01
GL010	0508001-2	. GROUND STUD (ZONE 510)	81234 & ON 9771 & ON	01 R
GR010	0508001-2	. GROUND STUD (ZONE 610)		01 R
J1	S1637-2	. CONNECTOR COURTESY LIGHT (ZONE 121)		02
J2		. CONNECTOR COURTESY LIGHT GROUND DISCONNECT (ZONE 121)		RF
JC011	S1638-1	. CONNECTOR OVERHEAD CONSOLE DISCONNECT (ZONE 211) .		01
-	S1636-1	. . PINS		AR
-	S1636-2	. . SOCKETS		AR
JL002	S1641-9	. CONNECTOR (ZONE 510)		01
-	S1636-1	. . SOCKET		AR
-	S1636-2	. . SOCKET		AR
JR001	S1641-9	. CONNECTOR (ZONE 610)		01
-	S1636-1	. . SOCKET		AR
-	S1636-2	. . SOCKET		AR
PC011	S1638-2	. CONNECTOR OVERHEAD CONSOLE DISCONNECT (ZONE 211) .		01
-	S1635-1	. . PIN		AR
PL002	S1640-9	. CONNECTOR LEFT WING DISCONNECT (ZONE 510)		01
-	S1635-1	. . CONTACT		AR
-	S1635-2	. . CONTACT		AR
PL004	S1637-1	. CONNECTOR LEFT COURTESY LIGHT DISCONNECT (ZONE 510)		01
-	S1635-1	. . PIN		AR
PL020	S1637-1	. CONNECTOR LEFT COURTESY LIGHT GROUND DISCONNECT (ZONE 510)		01
-	S1635-1	. . PIN		AR
PR001	S1640-9	. CONNECTOR RIGHT WING DISCONNECT (ZONE 610)		01
-	S1635-1	. . CONTACT		AR
-	S1635-2	. . CONTACT		AR
PR003	S1637-1	. CONNECTOR RIGHT COURTESY LIGHT DISCONNECT (ZONE 610)		01
-	S1635-1	. . CONTACT		AR
PR020	S1637-1	. CONNECTOR RIGHT COURTESY LIGHT GROUND DISCONNECT (ZONE 610)		01
-	S1635-1	. . CONTACT		AR

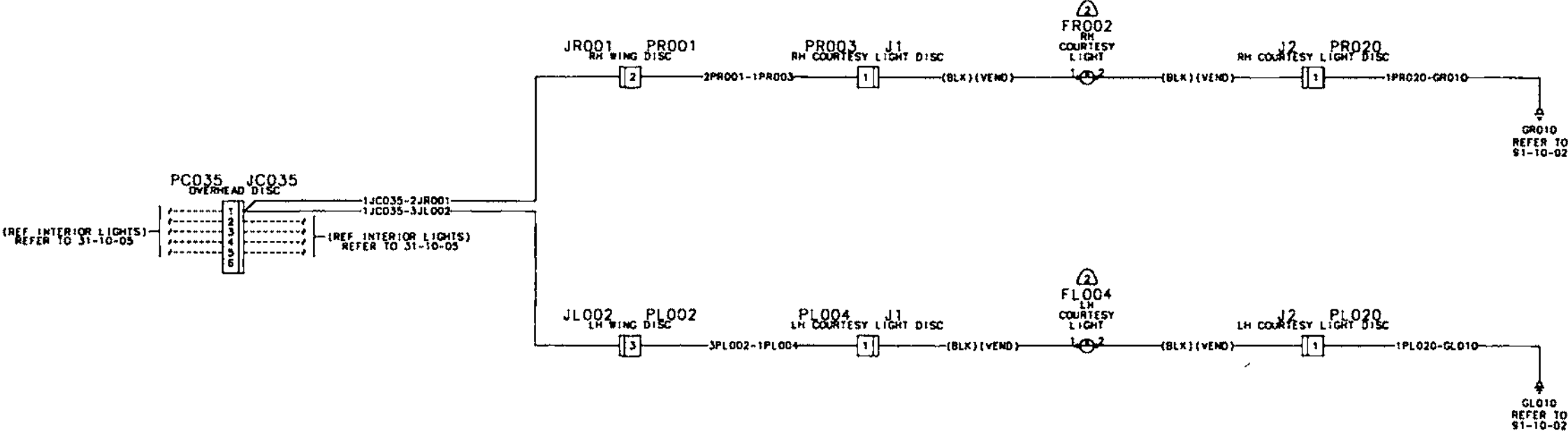
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Figure 01

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

- NOTES:
- 1. ALL WIRE 22AWG, EXCEPT AS NOTED
 - 2. WIRE & CONNECTORS SUPPLIED WITH LIGHT ASSY.



0570555E2

UNDER WING COURTESY LIGHTS
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
		1 2 3 4 5 6 7		
02		UNDER WING COURTESY LIGHTS		
		17281234 THRU 17281272		
		172S9771 THRU 172S10102		
FL004	0521101-7	. LIGHT ASSEMBLY LEFT COURTESY (ZONE 510)		01 R
-	MS15584-15	. . LIGHT BULB		01 R
FR002	0521101-7	. LIGHT ASSEMBLY RIGHT COURTESY (ZONE 610)		01 R
-	MS15584-15	. . LIGHT BULB		01 R
GL010	0508001-2	. GROUND STUD (ZONE 510)	81234 & ON 9771 & ON	01 R
GR010	0508001-2	. GROUND STUD (ZONE 610)		01 R
J1	S1637-2	. CONNECTOR COURTESY LIGHT (ZONE 121)		02 R
J2		. CONNECTOR COURTESY LIGHT GROUND DISCONNECT (ZONE 121)		RR R
JC035	S1641-6	. CONNECTOR OVERHEAD DISCONNECT (ZONE 211)	81234 81272 9771 10102	01 R
-	S1636-2	. . SOCKET	81234, 977181272A 10102	RR R
-	S1636-1	. . SOCKET	81241, 981081272A 10102	RR R
JL002	S1641-9	. CONNECTOR (ZONE 510)		01 R
-	S1636-1	. . SOCKET		RR R
-	S1636-2	. . SOCKET		RR R
JR001	S1641-9	. CONNECTOR (ZONE 610)		01 R
-	S1636-1	. . SOCKET		RR R
-	S1636-2	. . SOCKET		RR R
PC035	S1640-6	. CONNECTOR OVERHEAD DISCONNECT (ZONE 211)	81234 81272 9771 10102	01 R
-	S1635-1	. . PIN		RR R
PL002	S1640-9	. CONNECTOR LEFT WING DISCONNECT (ZONE 510)		01 R
-	S1635-1	. . CONTACT		RR R
-	S1635-2	. . CONTACT		RR R
PL004	S1637-1	. CONNECTOR LEFT COURTESY LIGHT DISCONNECT (ZONE 510)		01 R
-	S1635-1	. . PIN		RR R
PL020	S1637-1	. CONNECTOR LEFT COURTESY LIGHT GROUND DISCONNECT (ZONE 510)		01 R
-	S1635-1	. . PIN		RR R
PR001	S1640-9	. CONNECTOR RIGHT WING DISCONNECT (ZONE 610)		01 R
-	S1635-1	. . CONTACT		RR R
-	S1635-2	. . CONTACT		RR R
PR003	S1637-1	. CONNECTOR RIGHT COURTESY LIGHT DISCONNECT (ZONE 610)		01 R
-	S1635-1	. . CONTACT		RR R
PR020	S1637-1	. CONNECTOR RIGHT COURTESY LIGHT GROUND DISCONNECT (ZONE 610)		01 R
-	S1635-1	. . CONTACT		RR R

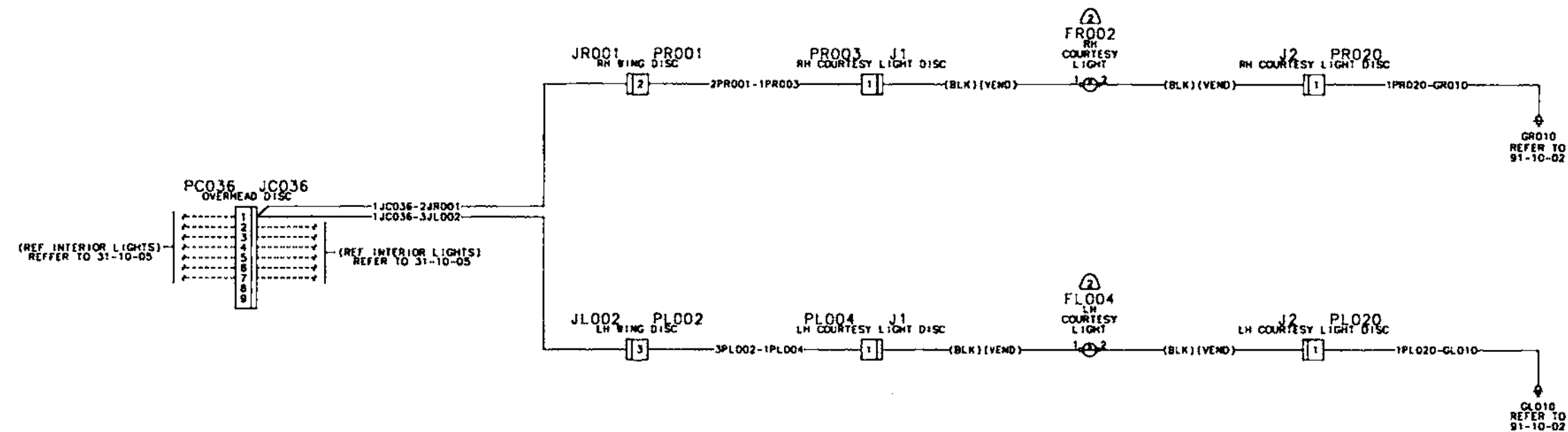
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Figure 02

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

NOTES:
1. ALL WIRE 22AWG, EXCEPT AS NOTED
2. WIRE & CONNECTORS SUPPLIED WITH LIGHT ASSY.



UNDER WING COURTESY LIGHTS
Figure 03 (Sheet 1)

0570555E3

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

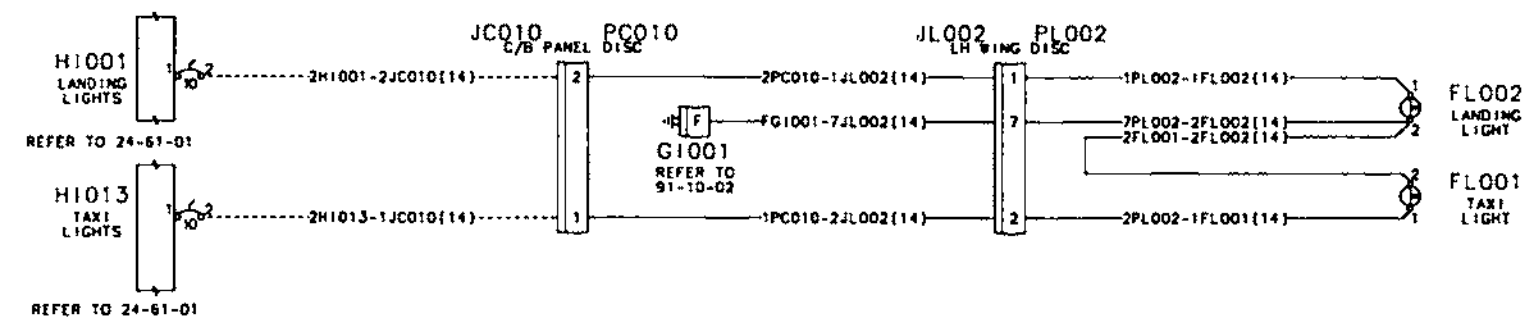
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
03			UNDER WING COURTESY LIGHTS		
			17281273 & ON		
			172S10103 & ON		
-	FL004	0521101-7	. LIGHT ASSEMBLY LEFT COURTESY (ZONE 510)		01 R
-		MS15584-15	. . LIGHT BULB		01 R
-	FR002	0521101-7	. LIGHT ASSEMBLY RIGHT COURTESY (ZONE 610)		01 R
-		MS15584-15	. . LIGHT BULB		01 R
-	GL010	0508001-2	. GROUND STUD (ZONE 510)	81234 & ON 9771 & ON	01 R
-	GR010	0508001-2	. GROUND STUD (ZONE 610)		01 R
-	J1	S1637-2	. CONNECTOR COURTESY LIGHT (ZONE 121)		02 R
-	J2		. CONNECTOR COURTESY LIGHT GROUND DISCONNECT (ZONE 121)		ARR
-	JC036	S1641-9	. CONNECTOR OVERHEAD DISCONNECT (ZONE 211)	81273 & ON 10103 & ON	01 R
-		S1636-1	. . SOCKET		ARR
-		S1636-2	. . SOCKET		ARR
-	JL002	S1641-9	. CONNECTOR (ZONE 510).		01 R
-		S1636-1	. . SOCKET		ARR
-		S1636-2	. . SOCKET		ARR
-	JR001	S1641-9	. CONNECTOR (ZONE 610).		01 R
-		S1636-1	. . SOCKET		ARR
-		S1636-2	. . SOCKET		ARR
-	PC036	S1640-9	. CONNECTOR OVERHEAD DISCONNECT (ZONE 211)	81273 & ON 10103 & ON	01 R
-		S1635-1	. . PIN		ARR
-	PL002	S1640-9	. CONNECTOR LEFT WING DISCONNECT (ZONE 510)		01 R
-		S1635-1	. . CONTACT		ARR
-		S1635-2	. . CONTACT		ARR
-	PL004	S1637-1	. CONNECTOR LEFT COURTESY LIGHT DISCONNECT (ZONE 510)		01 R
-		S1635-1	. . PIN		ARR
-	PL020	S1637-1	. CONNECTOR LEFT COURTESY LIGHT GROUND DISCONNECT (ZONE 510)		01 R
-		S1635-1	. . PIN		ARR
-	PR001	S1640-9	. CONNECTOR RIGHT WING DISCONNECT (ZONE 610)		01 R
-		S1635-1	. . CONTACT		ARR
-		S1635-2	. . CONTACT		ARR
-	PR003	S1637-1	. CONNECTOR RIGHT COURTESY LIGHT DISCONNECT (ZONE 610)		01 R
-		S1635-1	. . CONTACT		ARR
-	PR020	S1637-1	. CONNECTOR RIGHT COURTESY LIGHT GROUND DISCONNECT (ZONE 610)		01 R
-		S1635-1	. . CONTACT		ARR

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Figure 03

Page 1

NOTES:
1. ALL WIRES 22AWG, EXCEPT AS NOTED



057055001

LANDING AND TAXI LIGHTS
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

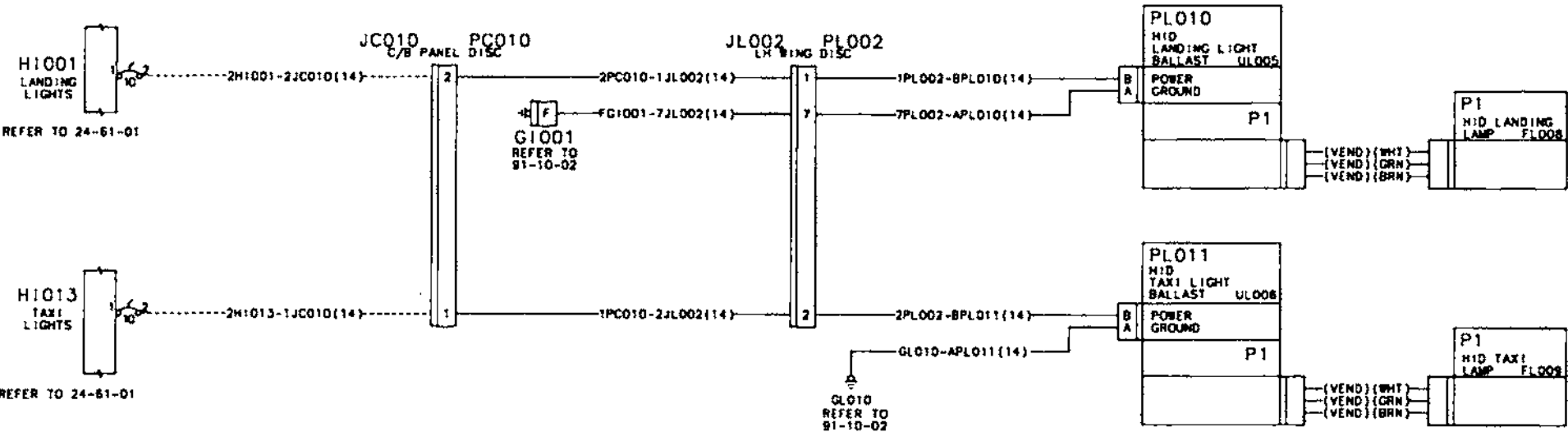
FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
01		LANDING AND TAXI LIGHTS		
		17280001 & 17281233		
		172S8001 & 172S9770		
FL001	4587	LIGHT TAXI (ZONE 520)	V81343 80001 81142	01
			8001 9288	
-	130332-1	ALTERNATE FOR S3231-1		04
-	4626	ALTERNATE FOR 4587		01
-	S3231-1	ALTERNATE FOR NAS488-1-3		04
-	NAS488-1-3	.. NUT		04
-	S1021Z6-6	.. SCREW		04
FL001	4626	LIGHT TAXI (ZONE 520)	81143 81233	01 R
			9288 9770	
-	34-0750707-00	ALTERNATE FOR 4626		01 R
-	130332-1	.. ALTERNATE FOR S3231-1		04 R
-	NAS488-1-3	.. NUT		AR R
-	S1021Z6-6	.. SCREW		04 R
-	S3231-1	.. ALTERNATE FOR NAS488-1-3		04 R
FL002	4596	LIGHT LANDING (ZONE 520)	V81343 80001 81142	01 R
			8001 9288	
-	130332-1	.. ALTERNATE FOR S3231-1		04 R
-	NAS488-1-3	.. NUT		04 R
-	S1021Z6-6	.. SCREW		04 R
-	S3231-1	.. ALTERNATE FOR NAS488-1-3		04 R
FL002	4594	LIGHT LANDING (ZONE 520)	81143 81233	01
			9289 9770	
-	130332-1	.. ALTERNATE FOR S3231-1		01
-	NAS488-1-3	.. NUT		04
-	S1021Z6-6	.. SCREW		04
-	S3231-1	.. ALTERNATE FOR NAS488-1-3		01
GI001	S2527-1	CONNECTOR GROUND (ZONE 211)	80001 80883	01
			8001 8402	
-	203618-1	.. JACK SCREW		AR
-	AN340-3	.. NUT		AR
-	S2527-3	.. CLAMP		01
-	S2099-4	.. SOCKET	80001 81142	AR
GI001	200838-2	CONNECTOR GROUND (ZONE 211)	V00779 80884 & ON	01
			8403 & ON	
-	201846-1	.. CLAMP KIT		01
-	203618-1	.. JACK SCREW		AR
-	AN340-3	.. NUT		AR
-	S2099-4	.. SOCKET	80001 81142	AR
-	S2099-3	.. CONTACT	81143 & ON	AR
HI001	CM3589-10	CIRCUIT BREAKER LANDING LIGHT (ZONE 224)		01
HI013	CM3589-10	CIRCUIT BREAKER TAXI LIGHT (ZONE 224)		01
JC010	S1641-6	CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01
-	S1636-2	.. SOCKETS		AR
JL002	S1641-9	CONNECTOR (ZONE 510)		01
-	S1636-1	.. SOCKET		AR
-	S1636-2	.. SOCKET		AR
PC010	S1640-6	CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01
-	S1635-1	.. PIN		AR
-	S1635-2	.. PIN		AR
PL002	S1640-9	CONNECTOR LEFT WING DISCONNECT (ZONE 510)		01
-	S1635-1	.. CONTACT		AR
-	S1635-2	.. CONTACT		AR

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Figure 01

Page 1

NOTES:
1. ALL WIRES 22AWG, EXCEPT AS NOTED



057055002

LANDING AND TAXI LIGHTS
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

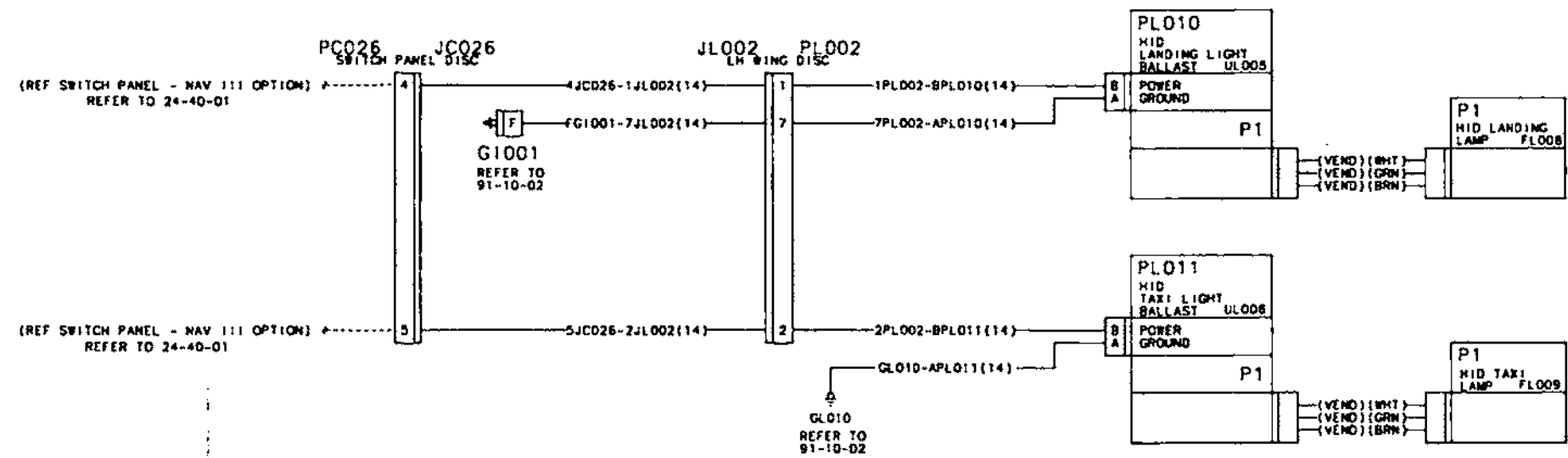
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
02			LANDING AND TAXI LIGHTS		
			17281234 & ON		
			172S9771 & ON		
			WITHOUT NAV III OPTION		
FL008	81008-1		LANDING LIGHT HID (ZONE 520)	V32890 81234 81245	01 R
				9771 9837	
-	NAS488-1-3		. . NUT		04 R
-	S102126-8		. . SCREW		04 R
FL008	81010-1		LANDING LIGHT HID (ZONE 520)	V32890 81246 & ON	01 R
				9838 & ON	
-	NAS488-1-3		. . NUT		04 R
-	S102126-6		. . SCREW		04 R
FL009	81009-1		TAXI LIGHT HID	81234 81245	01 R
				9771 9837	
-	NAS488-1-3		. . NUT		04 R
-	S102126-8		. . SCREW		04 R
FL009	81011-1		TAXI LIGHT HID	V32890 81246 & ON	01 R
				9838 & ON	
-	NAS488-1-3		. . NUT		04 R
-	S102126-8		. . SCREW		04 R
GI001	200838-2		CONNECTOR GROUND (ZONE 211)	V00779 80884 & ON	01 R
				8403 & ON	
-	201846-1		. . CLAMP KIT		01 R
-	203618-1		. . JACK SCREW		ARR
-	AN340-3		. . NUT		ARR
-	S2099-4		. . SOCKET	80001 81142	ARR
-	S2099-3		. . CONTACT	81143 & ON	ARR
GL010	0508001-2		GROUND STUD (ZONE 510)	81234 & ON	01 R
				9771 & ON	
HI001	CM3589-10		CIRCUIT BREAKER LANDING LIGHT (ZONE 224)		01 R
HI013	CM3589-10		CIRCUIT BREAKER TAXI LIGHT (ZONE 224)		01 R
JC010	S1641-6		CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01 R
-	S1636-2		. . SOCKETS		ARR
JL002	S1641-9		CONNECTOR (ZONE 510)		01 R
-	S1636-1		. . SOCKET		ARR
-	S1636-2		. . SOCKET		ARR
PC010	S1640-6		CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01 R
-	S1635-1		. . PIN		ARR
-	S1635-2		. . PIN		ARR
PL002	S1640-9		CONNECTOR LEFT WING DISCONNECT (ZONE 510)		01 R
-	S1635-1		. . CONTACT		ARR
-	S1635-2		. . CONTACT		ARR
PL010	AEKTKSAD0409		CONNECTOR KIT	81234 & ON	01 R
				9771 & ON	
-	S1635-2		. . PIN		03 R
PL011	AEKTKSAD0409		CONNECTOR KIT	81234 & ON	01 R
				9771 & ON	
-	S1635-2		. . PIN		03 R
UL005	81007-1		BALLAST LANDING LIGHT	V32890 81234 & ON	01 R
				9771 & ON	
UL006	81006-1		BALLAST TAXI LIGHT	81234 & ON	01 R
				9771 & ON	

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Figure 02

Page 1

NOTES:
1. ALL WIRES 22AWG. EXCEPT AS NOTED



057055003

LANDING AND TAXI LIGHTS
Figure 03 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
03			LANDING AND TAXI LIGHTS		
			17281241 & ON		
			172S9810 & ON		
			WITH NAV III OPTION		
FL008	81008-1		LANDING LIGHT HID (ZONE 520)	V32890 81234 81245	01 R
				9771 9837	
-		NAS488-1-3	. . NUT		04 R
-		S1021Z6-8	. . SCREW		04 R
FL008	81010-1		LANDING LIGHT HID (ZONE 520)	V32890 81246 & ON	01 R
				9838 & ON	
-		NAS488-1-3	. . NUT		04 R
-		S1021Z6-6	. . SCREW		04 R
FL009	81009-1		TAXI LIGHT HID	81234 81245	01 R
				9771 9837	
-		NAS488-1-3	. . NUT		04 R
-		S1021Z6-8	. . SCREW		04 R
FL009	81011-1		TAXI LIGHT HID	V32890 81246 & ON	01 R
				9838 & ON	
-		NAS488-1-3	. . NUT		04 R
-		S1021Z6-8	. . SCREW		04 R
GI001	S2527-1		CONNECTOR GROUND (ZONE 211)	80001 80883	01 R
				8001 8402	
-		203618-1	. . JACK SCREW		AR R
-		AN340-3	. . NUT		AR R
-		S2527-3	. . CLAMP		01 R
-		S2099-4	. . SOCKET	80001 81142	AR R
GI001	200838-2		CONNECTOR GROUND (ZONE 211)	V00779 80884 & ON	01 R
				8403 & ON	
-		201846-1	. . CLAMP KIT		01 R
-		203618-1	. . JACK SCREW		AR R
-		AN340-3	. . NUT		AR R
-		S2099-4	. . SOCKET	80001 81142	AR R
-		S2099-3	. . CONTACT	81143 & ON	AR R
GL010	0508001-2		GROUND STUD (ZONE 510)	81234 & ON	01 R
				9771 & ON	
JC026	S2350-3		CONNECTOR SWITCH PANEL DISCONNECT (ZONE 224)	81241 & ON	01 R
				9810 & ON	
-		S2353-4	. . PIN		AR R
-		S2353-5	. . PIN		AR R
JL002	S1641-9		CONNECTOR (ZONE 510)		01 R
-		S1636-1	. . SOCKET		AR R
-		S1636-2	. . SOCKET		AR R
PC026	S2349-1		CONNECTOR SWITCH PANEL (ZONE 224)	81241 & ON	01 R
				9810 & ON	
-		S2099-13	. . SOCKET		AR R
PL002	S1640-9		CONNECTOR LEFT WING DISCONNECT (ZONE 510)		01 R
-		S1635-1	. . CONTACT		AR R
-		S1635-2	. . CONTACT		AR R
PL010	AEKTKSAD0409		CONNECTOR KIT	81234 & ON	01 R
				9771 & ON	
-		S1635-2	. . PIN		03 R
PL011	AEKTKSAD0409		CONNECTOR KIT	81234 & ON	01 R
				9771 & ON	
-		S1635-2	. . PIN		03 R
UL005	81007-1		BALLAST LANDING LIGHT	V32890 81234 & ON	01 R
				9771 & ON	
UL006	81006-1		BALLAST TAXI LIGHT	81234 & ON	01 R
				9771 & ON	

- ITEM NOT ILLUSTRATED

Figure 03

Page 1

CHAPTER

34

NAVIGATION

CESSNA AIRCRAFT COMPANY
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<u>CHAPTER SECTION SUBJECT</u>		<u>NUMBER OF PAGES</u>	<u>DATE</u>
34-Title		1	
34-List of Effective Pages		2	Jan 1/2007
34-Record of Revisions		1	
34-Contents		1	Jan 1/2007
34-10-01	Figure 01	2	Jan 1/2007
	Figure 02	2	Jan 1/2007 Added
34-20-01	Figure 01	2	Jan 20/2006
	Figure 02	2	Jan 20/2006
34-20-02	Figure 01	2	Jan 20/2006
	Figure 02	2	Jan 20/2006
34-20-03	Figure 01	2	Jan 20/2006
	Figure 02	2	Jan 20/2006
34-20-04	Figure 01	2	Jan 1/2007
	Figure 02	2	Jan 1/2007 Added
34-20-05	Figure 01	4	Jan 1/2007
	Figure 02	4	Jan 1/2007 Added
34-21-01	Figure 01	2	Jan 20/2006
34-40-01	Figure 01	2	Jan 20/2006
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34-50-10	Figure 01	2	Jan 20/2006
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	Figure 03	2	Jan 20/2006
34-50-11	Figure 01	4	Jan 20/2006
	Figure 02	2	Jan 20/2006
34-50-12	Figure 01	4	Jan 20/2006
	Figure 02	4	Jan 20/2006
	Figure 03	2	Jan 20/2006
34-50-13	Figure 01	6	Jan 20/2006
34-50-17	Figure 01	2	Jan 1/2007
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34-50-20	Figure 01	2	Jan 20/2006
	Figure 02	2	Jan 20/2006
	Figure 03	2	Jan 20/2006
34-51-01	Figure 01	2	Jan 20/2006
	Figure 02	2	Jan 20/2006
	Figure 03	2	Jan 20/2006
34-51-02	Figure 01	2	Jan 1/2007
	Figure 02	2	Jan 1/2007 Added
34-52-20	Figure 01	2	Jan 20/2006
	Figure 02	2	Jan 20/2006
34-52-21	Figure 01	2	Jan 20/2006
34-52-22	Figure 01	4	Jan 20/2006
34-52-23	Figure 01	4	Jan 20/2006
	Figure 02	2	Jan 20/2006
34-52-24	Figure 01	2	Jan 20/2006
34-52-25	Figure 01	4	Jan 20/2006

34 - EFFECTIVITIES

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34-52-27	Figure 01	2	Jan 20/2006
34-53-01	Figure 01	2	Jan 20/2006
	Figure 02	2	Jan 20/2006
	Figure 03	2	Jan 20/2006
34-53-02	Figure 01	2	Jan 1/2007
	Figure 02	2	Jan 1/2007 Added

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

RECORD OF REVISIONS

[illegible]

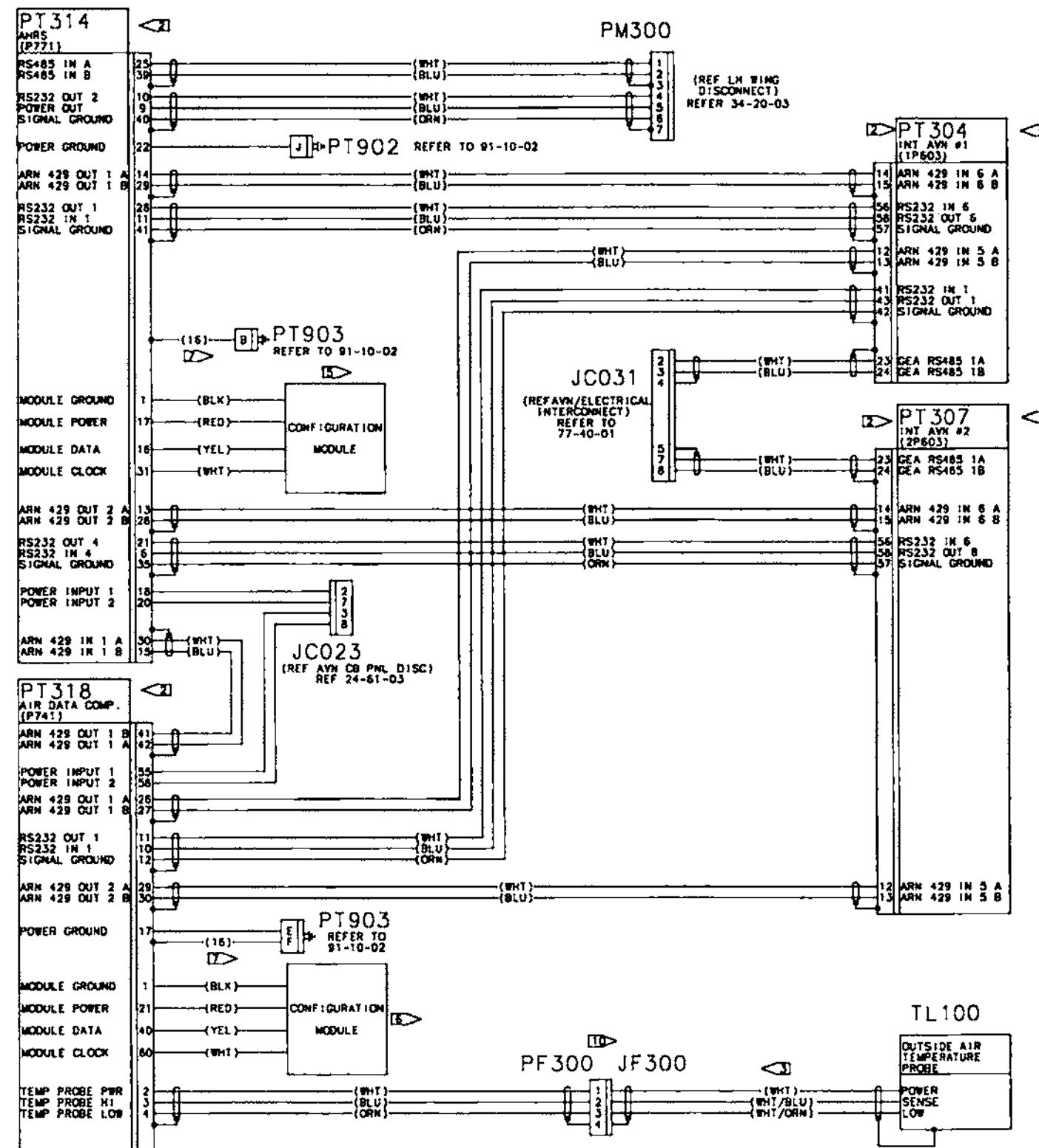
CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

<u>SUBJECT</u>	<u>CHAPTER/ SECTION/ SUBJECT</u>	<u>FIGURE</u>	<u>EFFECTIVITY START END</u>
AIR DATA AND AHRS	34-10-01	01	
AIR DATA AND AHRS	34-10-01	02	
KMD-540 MULTIFUNCTION DISPLAY	34-20-01	01	
KMD-540 MULTIFUNCTION DISPLAY	34-20-01	02	
KCS-55A HORIZONTAL SITUATION INDICATOR	34-20-02	01	
KCS-55A HORIZONTAL SITUATION INDICATOR	34-20-02	02	
FLUX DETECTOR	34-20-03	01	
FLUX DETECTOR	34-20-03	02	
KRD-510 FLIGHT INFORMATION SYSTEM PROVISIONS	34-20-04	01	
KRD-510 FLIGHT INFORMATION SYSTEM PROVISIONS	34-20-04	02	
PFD AND MFD	34-20-05	01	
PFD AND MFD	34-20-05	02	
TURN COORDINATOR	34-21-01	01	
KGP-560 EGPWS PROVISIONS	34-40-01	01	
NAVIGATION ANTENNA	34-50-01	01	
NAVIGATION ANTENNA	34-50-01	02	
KX-155A NAV/COMM #1	34-50-10	01	
KX-155A NAV/COMM #1	34-50-10	02	
KX-155A NAV/COMM #1	34-50-10	03	
KX-155A NAV/COMM #1	34-50-11	01	
KX-155A NAV/COMM #1	34-50-11	02	
KX-155A NAV/COMM #1	34-50-12	01	
KX-155A NAV/COMM #1	34-50-12	02	
KX-165A NAV/COMM #1	34-50-12	03	
KX-155A NAV/COMM #1	34-50-13	01	
BENDIX KING KN 63 DME	34-50-17	01	
HONEYWELL KN 63 DME	34-50-17	02	
KX-155 NAV/COMM #2	34-50-20	01	
KX-155A NAV/COMM #2	34-50-20	02	
KX-155A NAV/COMM #2	34-50-20	03	
KR-87 AUTOMATIC DIRECTION FINDER	34-51-01	01	
KR-87 AUTOMATIC DIRECTION FINDER	34-51-01	02	
KR87 ADF ANTENNA	34-51-01	03	
KR-87 AUTOMATIC DIRECTION FINDER PROVISIONS	34-51-02	01	
KR-87 AUTOMATIC DIRECTION FINDER PROVISIONS	34-51-02	02	
KLN-89 GLOBAL POSITIONING SYSTEM	34-52-20	01	
KLN-89 GLOBAL POSITIONING SYSTEM	34-52-20	02	
KLN-89B GLOBAL POSITIONING SYSTEM	34-52-21	01	
KLN-89B GLOBAL POSITIONING SYSTEM	34-52-22	01	
KLN-94 GLOBAL POSITIONING SYSTEM	34-52-23	01	
KLN-94 GLOBAL POSITIONING SYSTEM	34-52-23	02	
KLN-94 GLOBAL POSITIONING SYSTEM	34-52-24	01	
KLN-94 GLOBAL POSITIONING SYSTEM	34-52-25	01	
KLN-94 GLOBAL POSITIONING SYSTEM	34-52-26	01	
KLN-94 GLOBAL POSITIONING SYSTEM	34-52-27	01	
KT-76C TRANSPONDER	34-53-01	01	
KT-76C TRANSPONDER	34-53-01	02	
KT-76C TRANSPONDER	34-53-01	03	
GTX33 TRANSPONDER	34-53-02	01	
GTX33 TRANSPONDER	34-53-02	02	

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



NOTES:

1. ALL WIRES 22 AWG UNLESS OTHERWISE NOTED.
2. GROUND SHIELDS TO THE BACKSHELL OF THE CONNECTOR USING THE GARMIN SUPPLIED GROUNDING WIRES FASTENED TO THE CONNECTOR. SHIELD WIRES MUST BE NO LONGER THAN 3".
3. WIRING PROVIDED WITH TEMPERATURE PROBE.
4. THE FOLLOWING SPECS ARE PART OF THIS DRAWING:
CSAM012 SHIELDED CABLE INSTALLATION.
CES2718 WIRE TERMINATIONS.
5. CONFIGURATION MODULE IS MOUNTED INSIDE OF THE BACKSHELL OF CONNECTOR PT314.
6. CONFIGURATION MODULE IS MOUNTED INSIDE OF THE BACKSHELL OF CONNECTOR PT318.
7. 16GA WIRE IS PART OF GARMIN TERMINATED WIRE GROUP.
8. TERMINATE ALL SHIELDS TO THE BACKSHELLS OF THE CONNECTORS USING GARMIN TERMINATE WIRE GROUP 011-00650-XX (REF).
9. PART OF GARMIN CONNECTOR KIT 011-01000-00 (REF).
10. INSTALL CONNECTOR ONTO VENDOR SUPPLIED WIRES WITHIN 12" OF TL100.

AIR DATA AND AHRS
Figure 01 (Sheet 1)

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CESSNA AIRCRAFT COMPANY

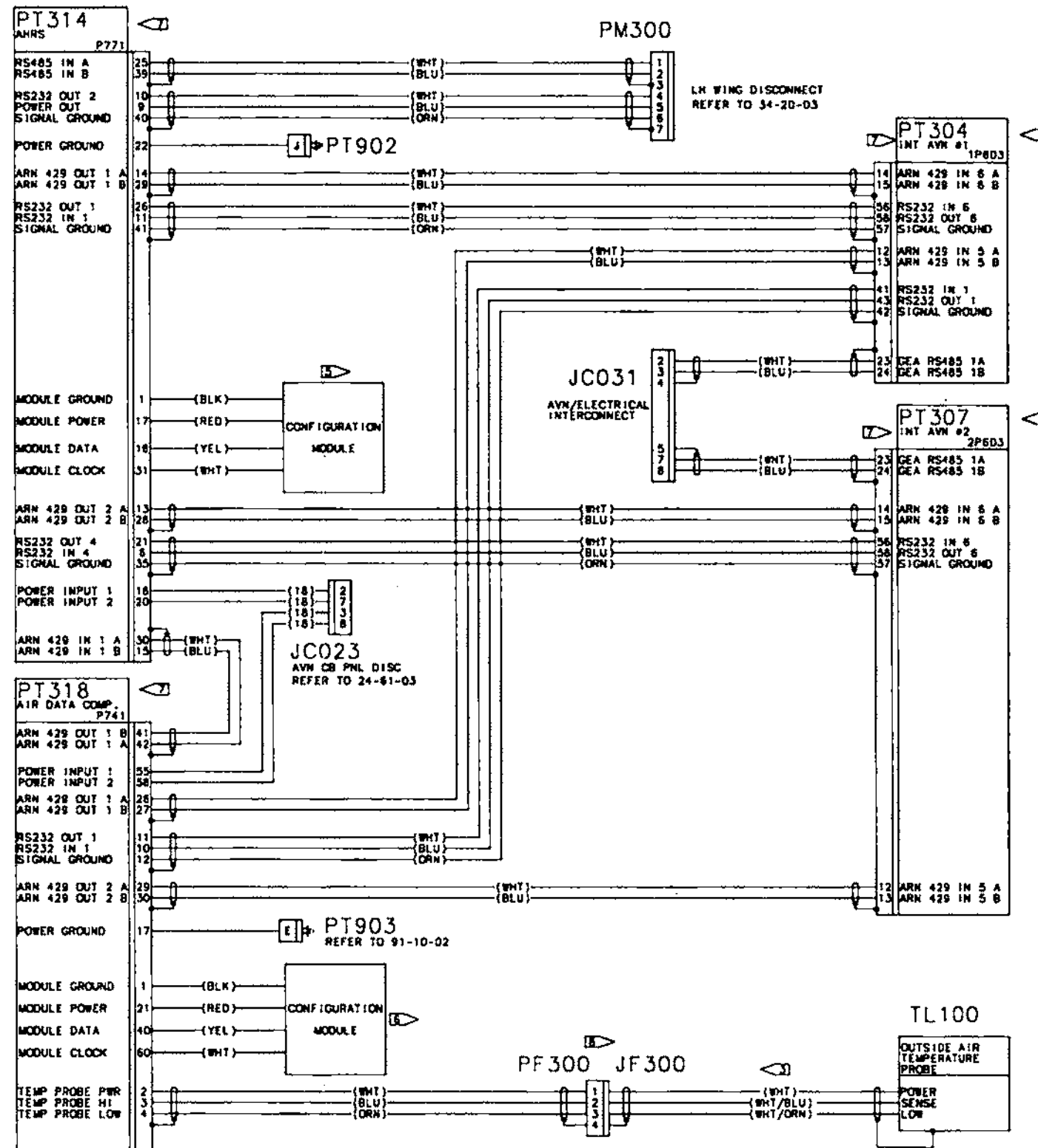
MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
01			AIR DATA AND AHRS 17281241 THRU 17281356 172S9810 THRU 172S10431 WITH NAV III OPTION		
JC023	S2350-10	CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)	81241 & ON 9810 & ON	01	
-	S2353-5	. . PIN		AR	
JC031	S2350-4	CONNECTOR ELEC/AVN DISC	81241 & ON 9810 & ON	01	
-	S2353-5	. . CONTACT		AR	
JF300	S3556-11	CONNECTOR	81241 & ON 9810 & ON	01	
-	S3556-21	. . PIN		AR	
PF300	S3556-4	CONNECTOR	81241 & ON 9810 & ON	01	
-	S3556-25	. . SOCKET		AR	
PM300	206433-2	CONNECTOR LEFT WING DISCONNECT (ZONE 510)	V00779 80694 & ON 8113 & ON	01	
-	206062-3	. . BACKSHELL	V00779 80694 & ON S8113 & ON	01	
-	5-66504-7	. . CONTACTS	V00779 80694 & ON S8113 & ON	AR	
PT304	330-00185-78	CONNECTOR INTEGRATED AVIONICS BOX 1.	81241 & ON 9810 & ON	01	
PT307	330-00185-78	CONNECTOR INTEGRATED AVIONICS BOX 2.	81241 & ON 9810 & ON	01	
PT314	011-00869-00	CONNECTOR KIT	81241 & ON 9810 & ON	01	
PT318	011-01010-00	CONNECTOR KIT	81241 & ON 9810 & ON	01	
PT902	SK2701	CONNECTOR GROUND	81241 & ON 9810 & ON	01	
-	FC120N2	. . CONTACT		AR	
PT903	SK2701	CONNECTOR GROUND	81241 81356 9810 10431	01	
-	FC116N2	. . CONTACT		AR	
-	FC120N2	. . CONTACT		AR	
TL100	011-00978-00	OUTSIDE AIR TEMPERATURE PROBE	81241 & ON 9810 & ON	01	

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



NOTES:

1. ALL WIRES 22 AWG UNLESS OTHERWISE NOTED.
2. PART OF GARMIN CONNECTOR KIT 011-01000-01 (REF).
3. WIRING PROVIDED WITH TEMPERATURE PROBE.
4. THE FOLLOWING SPECS ARE PART OF THIS DRAWING:
CSAW012 SHIELDED CABLE INSTALLATION.
CES2718 WIRE TERMINATIONS.
5. CONFIGURATION MODULE IS MOUNTED INSIDE OF THE BACKSHELL OF CONNECTOR PT314.
6. CONFIGURATION MODULE IS MOUNTED INSIDE OF THE BACKSHELL OF CONNECTOR PT318.
7. GROUND SHIELDS TO THE BACKSHELL OF THE CONNECTOR USING THE GARMIN SUPPLIED GROUNDING LUGS ON THE CONNECTOR. SHIELD WIRES SHOULD BE NO LONGER THAN 3". REFER TO GARMIN DOCUMENT 190-00313-09 FOR SHIELD BLOCK INSTALLATION INSTRUCTIONS.
8. INSTALL CONNECTOR ONTO VENDOR SUPPLIED WIRES WITHIN 12" OF TL100.

AIR DATA AND AHRS
Figure 02 (Sheet 1)

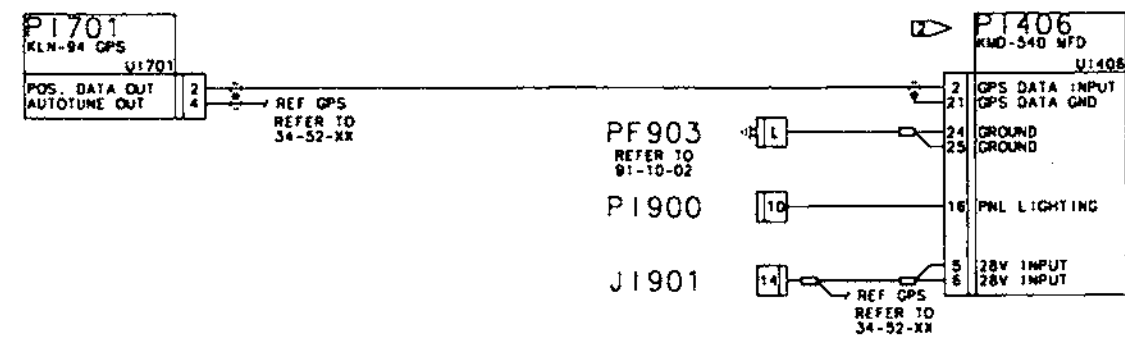
3925120_1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	1 2 3 4 5 6 7	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
02			AIR DATA AND AHRS 17281357 & ON 172S10432 & ON WITH NAV III OPTION		
JC023	S2350-10		CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)	81241 & ON 9810 & ON	01 R
-	S2353-5		. . . PIN		ARR
JC031	S2350-4		CONNECTOR ELEC/AVN DISC	81241 & ON 9810 & ON	01 R
-	S2353-5		. . . CONTACT		ARR
JF300	S3556-11		CONNECTOR	81241 & ON 9810 & ON	01 R
-	S3556-21		. . . PIN		ARR
PF300	S3556-4		CONNECTOR	81241 & ON 9810 & ON	01 R
-	S3556-25		. . . SOCKET		ARR
PM300	206433-2		CONNECTOR LEFT WING DISCONNECT (ZONE 510)	V00779 80694 & ON 8113 & ON	01 R
-	206062-3		. . . BACKSHELL	V00779 80694 & ON S8113 & ON	01 R
-	5-66504-7		. . . CONTACTS	V00779 80694 & ON S8113 & ON	ARR
PT304	330-00185-78		CONNECTOR INTEGRATED AVIONICS BOX 1.	81241 & ON 9810 & ON	01 R
PT307	330-00185-78		CONNECTOR INTEGRATED AVIONICS BOX 2.	81241 & ON 9810 & ON	01 R
PT314	011-00869-00		CONNECTOR KIT	81241 & ON 9810 & ON	01 R
PT318	011-01010-00		CONNECTOR KIT	81241 & ON 9810 & ON	01 R
PT902	SK2701		CONNECTOR GROUND	81241 & ON 9810 & ON	01 R
-	FC120N2		. . . CONTACT		ARR
PT903	SK2701		CONNECTOR GROUND	81241 81356 9810 10431	01 R
-	FC116N2		. . . CONTACT		ARR
-	FC120N2		. . . CONTACT		ARR
TL100	011-00978-00		OUTSIDE AIR TEMPERATURE PROBE	81241 & ON 9810 & ON	01 R

- ITEM NOT ILLUSTRATED

NOTES:
1. ALL WIRE 22AWG UNLESS OTHERWISE NOTED.
PART OF ALLIED SIGNAL KIT 030-03321-0000.



KMD-540 MULTIFUNCTION DISPLAY
Figure 01 (Sheet 1)

3927100_1

CESSNA AIRCRAFT COMPANY

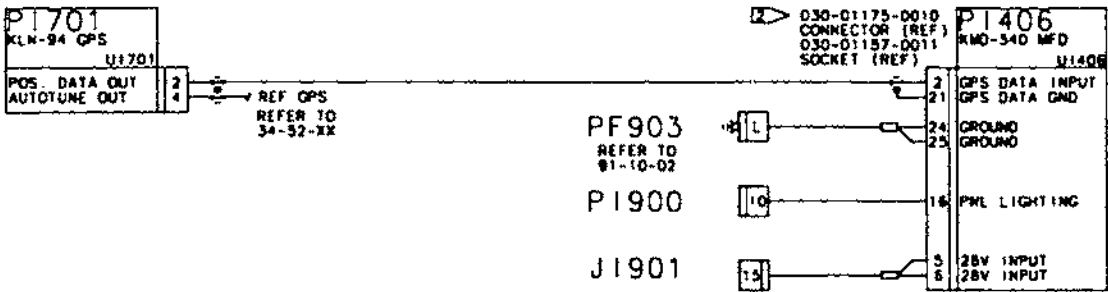
MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
			1 2 3 4 5 6 7		
01			KMD-540 MULTIFUNCTION DISPLAY 17280984 THRU 17281097 172S8704 THRU 172S9062 NAV II		
	J1901	S2350-3	CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01 R
		S2353-5	PIN		AR R
	PF903	SK2701	CONNECTOR (ZONE 221)	V28198	01 R
		FC116N2	CONTACT	V28198	AR R
		FC120N2	CONTACT		AR R
	PI406	050-03605-0000	CONNECTOR KIT MFD		01 R
	PI701	030-03272-0000	CONNECTOR GPS RECEIVER (ZONE 225)		01 R
	PI900	S3070-9	CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01 R
		LMD6106P	BUSSING MODULE	V49367	01 R
		LMS01T-TL	SPLICE CONNECTOR	V49367	01 R
		S2353-5	PIN		AR R
	UI406		MFD KMD-540		RFR
	UI701	069-01034-0101	RECEIVER GPS (ZONE 225)	V22373 80978 & ON 8704 & ON	01 R

- ITEM NOT ILLUSTRATED

NOTES:
1. ALL WIRE 22AWG UNLESS OTHERWISE NOTED.
2. PART OF HONEYWELL KMD-540 MFD INSTL KIT 030-03605-0000.



3927108_1

KMD-540 MULTIFUNCTION DISPLAY
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

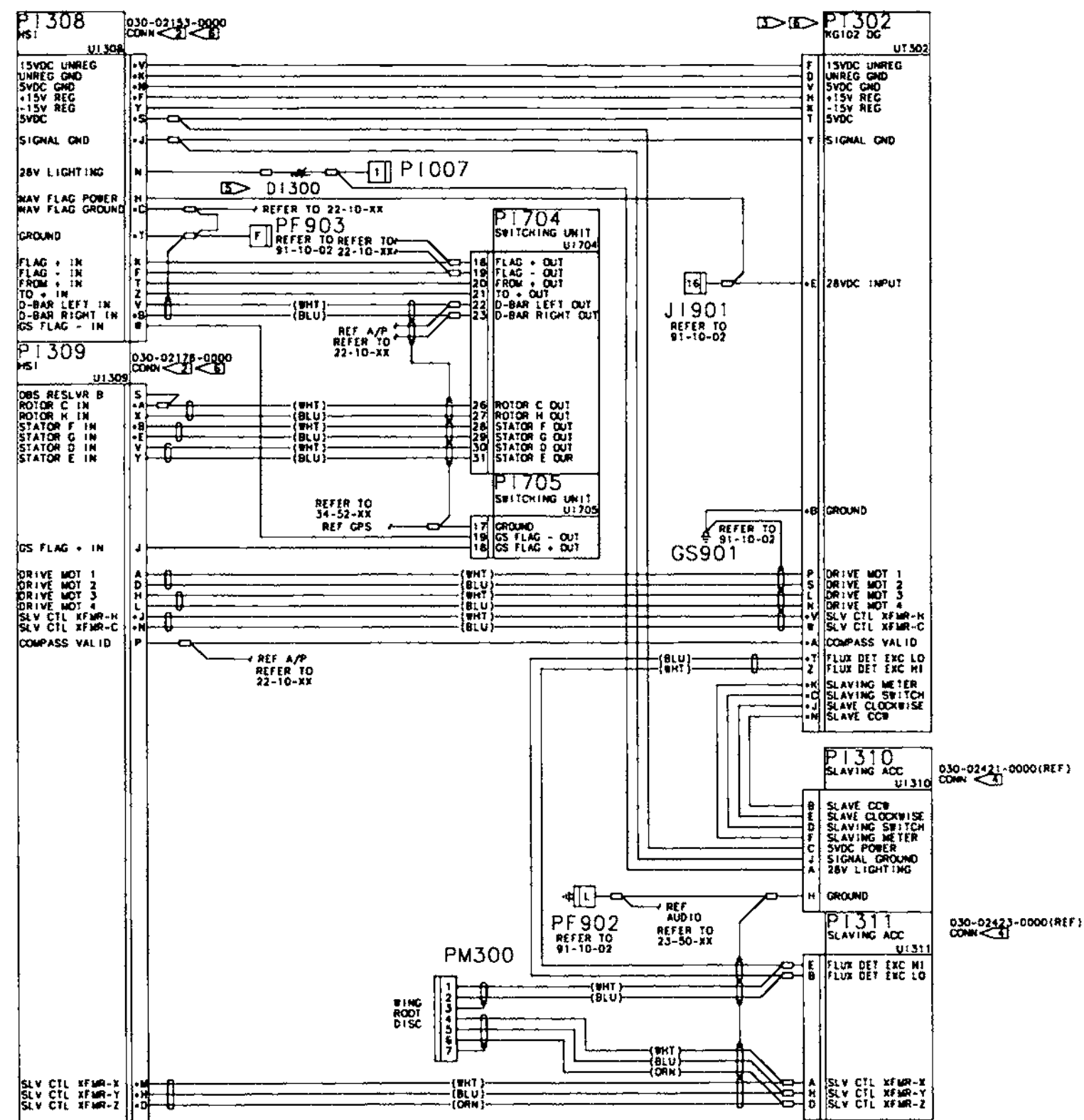
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES		1 2 3 4 5 6 7		FROM TO	PER ASSY
02			KMD-540 MULTIFUNCTION DISPLAY		
			17281098 & ON		
			172S9063 & ON		
			NAV II		
J1901	S2350-3		CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01 R
	S2353-5		.. PIN		AR R
PF903	SK2701		CONNECTOR (ZONE 221)	V28198	01 R
	FC116N2		.. CONTACT	V28198	AR R
	FC120N2		.. CONTACT		AR R
PI406	050-03605-0000		CONNECTOR KIT MFD		01 R
PI701	030-03272-0000		CONNECTOR GPS RECEIVER (ZONE 225)		01 R
PI900	S3070-9		CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01 R
	LMD6106P		.. BUSSING MODULE	V49367	01 R
	LMS01T-TL		.. SPLICE CONNECTOR	V49367	01 R
	S2353-5		.. PIN		AR R
UI406			MFD KMD-540		RF R
UI701	069-01034-0101		RECEIVER GPS (ZONE 225)	V22373 80978 & ON 8704 & ON	01 R

- ITEM NOT ILLUSTRATED

Figure 02

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



3925100G1

KCS-55A HORIZONTAL SITUATION INDICATOR
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

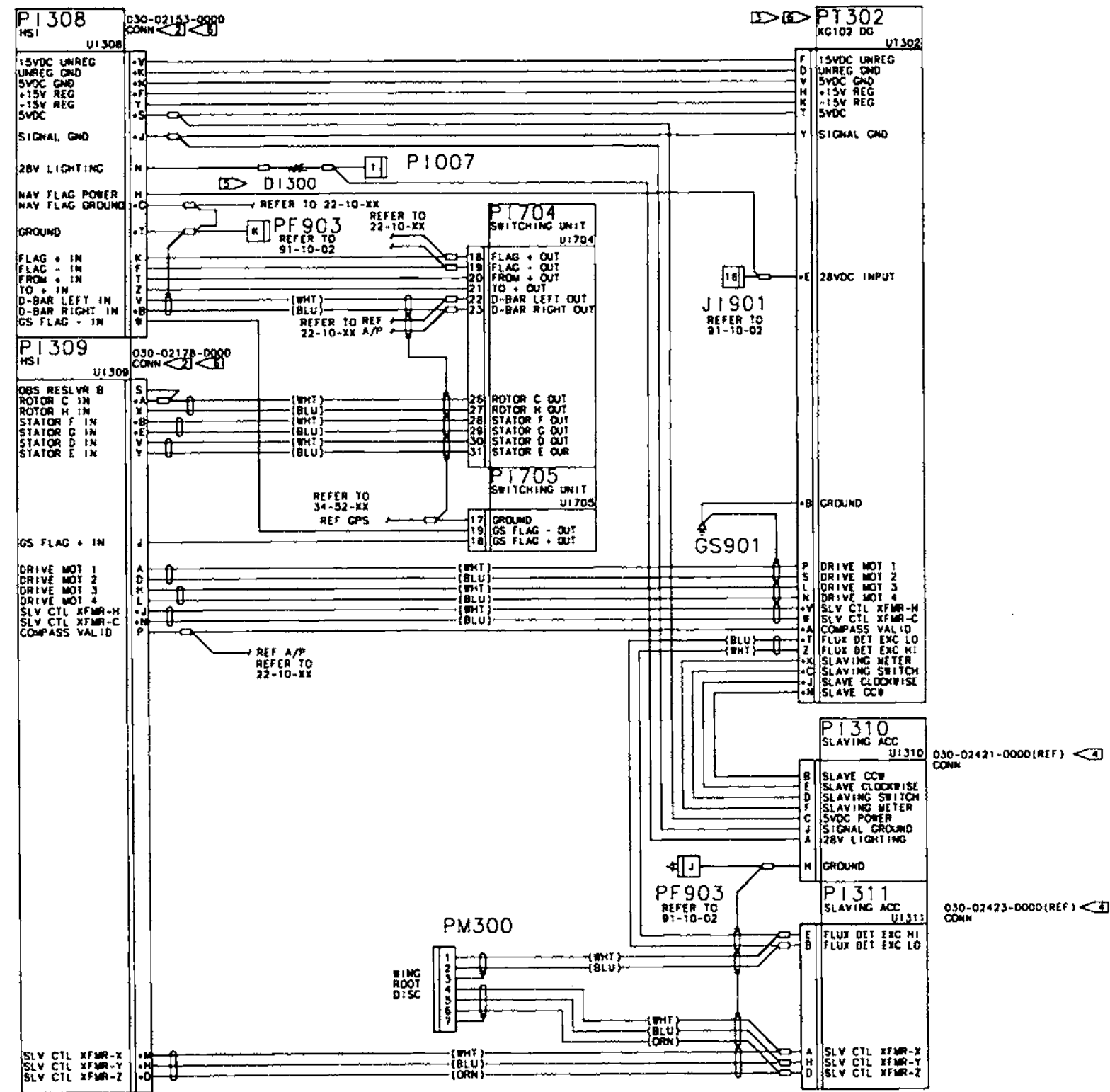
MODEL 172

WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
		1 2 3 4 5 6 7		
01		KCS-55A HORIZONTAL SITUATION INDICATOR		
		17280694 THRU 17280983		
		172S8113 THRU 172S8703		
		NAV II		
DI300	1N4730A	DIODE (ZONE 224)		01 R
GS901	3910276-2	GROUND STUD (ZONE 310)		01 R
JI901	S2350-3	CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01 R
	S2353-5	PIN		ARR
PF902	SK2701	CONNECTOR GROUND (ZONE 221)	V28198	01 R
	FC116N2	CONTACT		ARR
	FC120N2	CONTACT	V28198	ARR
PF903	SK2701	CONNECTOR (ZONE 221)	V28198	01 R
	FC116N2	CONTACT	V28198	ARR
	FC120N2	CONTACT		ARR
PI007	S2035-1	CONNECTOR HSI (ZONE 220)		01 R
	S1635-1	PIN		ARR
PI308	030-02153-0000	CONNECTOR HORIZONTAL SITUATION INDICATOR (ZONE 220)		01 R
	050-01344-0002	CONNECTOR KIT		01 R
	S2800-216	BACKSHELL		01 R
PI309	030-02178-0000	CONNECTOR HORIZONTAL SITUATION INDICATOR (ZONE 220)		01 R
	050-01344-0002	CONNECTOR KIT		01 R
	S2800-216	BACKSHELL		01 R
PI310	030-02421-0000	CONNECTOR SLAVING ACCESSORY (ZONE 220)		01 R
	050-01928-0000	CONNECTOR KIT		01 R
PI311	030-02421-0000	CONNECTOR SLAVING ACCESSORY (ZONE 220)		01 R
	050-01928-0000	CONNECTOR KIT		01 R
PI704	RD50F10JVL0	CONNECTOR RELAY SWITCHING UNIT (ZONE 221)	V28198 80694 & ON	01 R
			8113 & ON	
PI705	RD50M10JVL0	CONNECTOR RELAY SWITCHING UNIT (ZONE 221)	V28198 80694 & ON	01 R
			8113 & ON	
PM300	206433-2	CONNECTOR LEFT WING DISCONNECT (ZONE 510)	V00779 80694 & ON	01 R
			8113 & ON	
	206062-3	BACKSHELL	V00779 80694 & ON	01 R
			S8113 & ON	
	5-66504-7	CONTACTS	V00779 80694 & ON	ARR
			S8113 & ON	
PT302	050-01410-0002	CONNECTOR KIT DIRECTIONAL GYRO DISCONNECT (ZONE 310)		01 R
	S2800-216	BACKSHELL		01 R
UI308	066-03046-0007	INDICATOR HSI		01 R
UI309	066-3046-07	INDICATOR HSI	V22373	01 R
UI310	071-01242-0006	SLAVING ACCESSORY		01 R
UI311	071-01242-0006	SLAVING ACCESSORY		01 R
UI704		SWITCHING UNIT		RF R
UI705		SWITCHING UNIT		RF R
UT302	S3330-1	GYRO DIRECTIONAL (ZONE 220)		01 R

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



- NOTES:
- 1. ALL WIRE 22AWG UNLESS OTHERWISE NOTED.
 - 2. PART OF ALLIED SIGNAL KIT 050-01344-0002.
 - 3. PART OF ALLIED SIGNAL KIT 050-01410-0002.
 - 4. PART OF ALLIED SIGNAL KIT 050-01928-0000.
 - 5. INSTALL DIODE D1300 WITH BANDED END TOWARD P1007. COVER DIODE AND WIRE WITH HEAT SHRINK TUBING. LOCATE THE DIODE WITHIN 3 INCHES OF P1007 AND SUPPORTED BY THE 10 TAG.
 - 6. DISCARD THE BACKSHELL SUPPLIED WITH THE HSI KIT AND REPLACE IT WITH AN S2800-216 BACKSHELL. A TOTAL OF THREE BACKSHELLS ARE REQUIRED FOR THIS SYSTEM.

KCS-55A HORIZONTAL SITUATION INDICATOR
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
02		KCS-55A HORIZONTAL SITUATION INDICATOR		
		17280984 & ON		
		172S8704 & ON		
		NAV II, ADF, MFD		
DI300	1N4730A	DIODE (ZONE 224)		01 R
GS901	3910276-2	GROUND STUD (ZONE 310)		01 R
J1901	S2350-3	CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01 R
-	S2353-5	PIN		AR R
PF903	SK2701	CONNECTOR (ZONE 221)	V28198	01 R
-	FC116N2	CONTACT	V28198	AR R
-	FC120N2	CONTACT		AR R
PI007	S2035-1	CONNECTOR HSI (ZONE 220)		01 R
-	S1635-1	PIN		AR R
PI308	030-02153-0000	CONNECTOR HORIZONTAL SITUATION INDICATOR (ZONE 220)		01 R
-	050-01344-0002	CONNECTOR KIT		01 R
-	S2800-216	BACKSHELL		01 R
PI309	030-02178-0000	CONNECTOR HORIZONTAL SITUATION INDICATOR (ZONE 220)		01 R
-	050-01344-0002	CONNECTOR KIT		01 R
-	S2800-216	BACKSHELL		01 R
PI310	030-02421-0000	CONNECTOR SLAVING ACCESSORY (ZONE 220)		01 R
-	050-01928-0000	CONNECTOR KIT		01 R
PI311	030-02421-0000	CONNECTOR SLAVING ACCESSORY (ZONE 220)		01 R
-	050-01928-0000	CONNECTOR KIT		01 R
PI704	RD50F10JVL0	CONNECTOR RELAY SWITCHING UNIT (ZONE 221)	V28198 80694 & ON	01 R
			8113 & ON	
PI705	RD50M10JVL0	CONNECTOR RELAY SWITCHING UNIT (ZONE 221)	V28198 80694 & ON	01 R
			8113 & ON	
PM300	206433-2	CONNECTOR LEFT WING DISCONNECT (ZONE 510)	V00779 80694 & ON	01 R
			8113 & ON	
-	206062-3	BACKSHELL	V00779 80694 & ON	01 R
			S8113 & ON	
-	5-66504-7	CONTACTS	V00779 80694 & ON	AR R
			S8113 & ON	
PT302	050-01410-0002	CONNECTOR KIT DIRECTIONAL GYRO DISCONNECT (ZONE 310)		01 R
-	S2800-216	BACKSHELL		01 R
UI308	066-03046-0007	INDICATOR HSI		01 R
UI309	066-3046-07	INDICATOR HSI	V22373	01 R
UI310	071-01242-0006	SLAVING ACCESSORY		01 R
UI311	071-01242-0006	SLAVING ACCESSORY		01 R
UI704		SWITCHING UNIT		RF R
UI705		SWITCHING UNIT		RF R
UT302	S3330-1	GYRO DIRECTIONAL (ZONE 220)		01 R

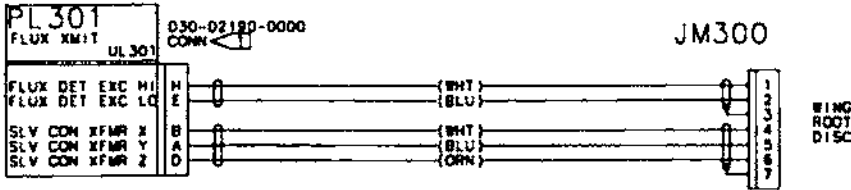
- ITEM NOT ILLUSTRATED

Figure 02

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

NOTES:
PART OF ALLIED SIGNAL KIT 050-01361-0000.



3925101A1

FLUX DETECTOR
Figure 01 (Sheet 1)

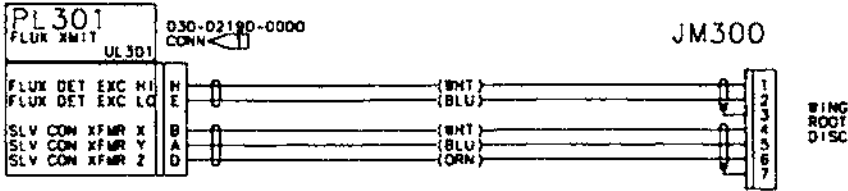
CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES		1 2 3 4 5 6 7		FROM TO	PER ASSY
01			FLUX DETECTOR		
			17280694 THRU 17280983		
			172S8113 THRU 172S8703		
JM300	206434-1		CONNECTOR FLUX TRANSMITTER (ZONE 510)	V00779	01 R
-	206062-3		BACKSHELL	V00779	01 R
-	5-66506-9		PIN CONTACT	V00779	ARR
PL301	030-02190-0000		CONNECTOR FLUX TRANSMITTER (ZONE 510)		01 R
-	050-01361-0000		CONNECTOR KIT		01 R
UL301	071-1052-00		FLUX DETECTOR (ZONE 520)		01 R

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

NOTES:
1. PART OF ALLIED SIGNAL KIT 030-D1361-0000.
2. ALL WIRE 22GA UNLESS OTHERWISE NOTED.



FLUX DETECTOR
Figure 02 (Sheet 1)

3925105_1

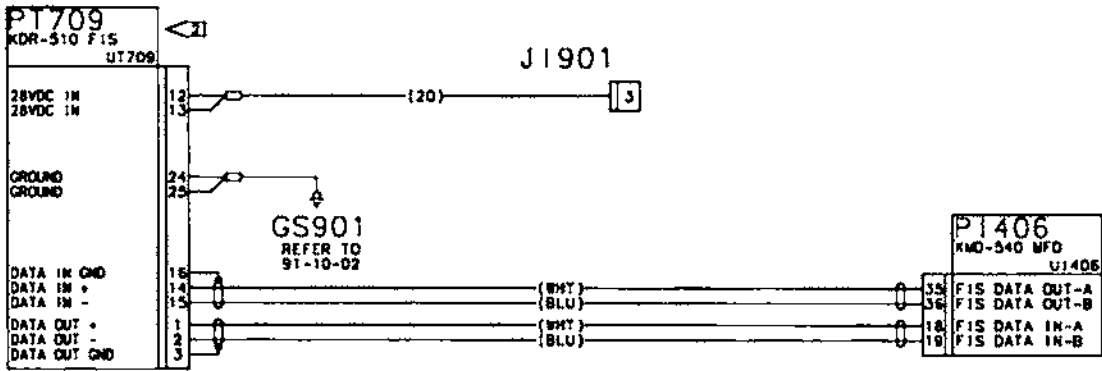
CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES		1 2 3 4 5 6 7		FROM TO	PER ASSY
02			FLUX DETECTOR		
			17280984 & ON		
			172S8704 & ON		
JM300	206434-1		CONNECTOR FLUX TRANSMITTER (ZONE 510)	V00779	01 R
-	206062-3		BACKSHELL	V00779	01 R
-	5-66506-9		PIN CONTACT	V00779	ARR
PL301	030-02190-0000		CONNECTOR FLUX TRANSMITTER (ZONE 510)		01 R
-	050-01361-0000		CONNECTOR KIT		01 R
UL301	071-1052-00		FLUX DETECTOR (ZONE 520).		01 R

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

NOTES:
1. ALL WIRE 22AWG UNLESS OTHERWISE NOTED.
[Symbol] BAG AND STOW CONNECTOR.



KRD-510 FLIGHT INFORMATION SYSTEM PROVISIONS
Figure 01 (Sheet 1)

3927105A1

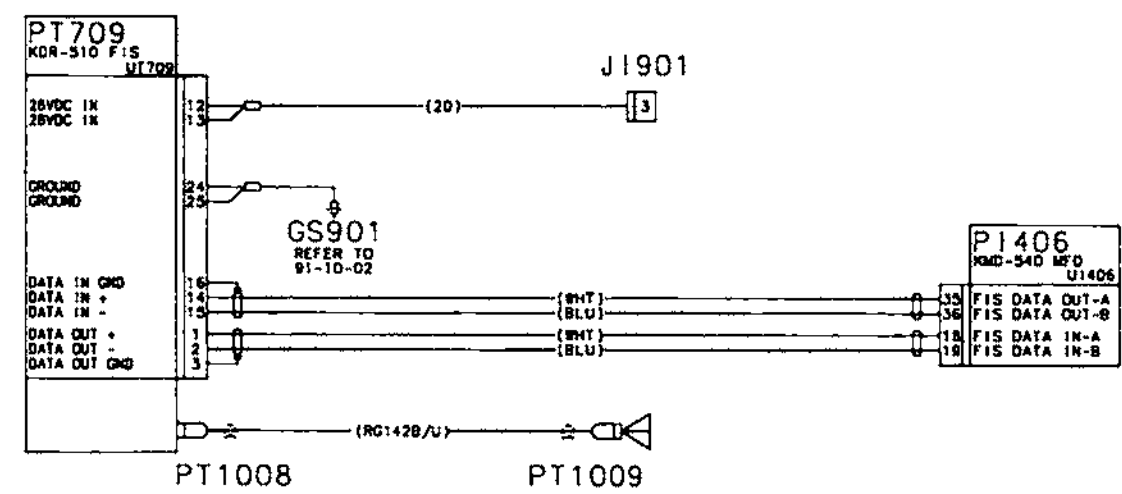
CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
		1 2 3 4 5 6 7			
01			KRD-510 FLIGHT INFORMATION SYSTEM PROVISIONS		
			17281098 THRU 17281200		
			172S9063 THRU 172S9568		
GS901	3910276-2		GROUND STUD (ZONE 310)		01
JI901	S2350-3		CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE		01
			220)		
	S2353-5		PIN		AR
PI406	050-03605-0000		CONNECTOR KIT MFD		01
PT709	RD25F00JVL0		CONNECTOR KDR-510 FIS		01
	FC6020D		CONTACT	V28198	AR
UI406			MFD KMD-540		RF
UT709			FLIGHT INFORMATION SYSTEM		RF

• ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

NOTES:
1. ALL WIRE 22AWG UNLESS OTHERWISE NOTED.



KRD-510 FLIGHT INFORMATION SYSTEM PROVISIONS
Figure 02 (Sheet 1)

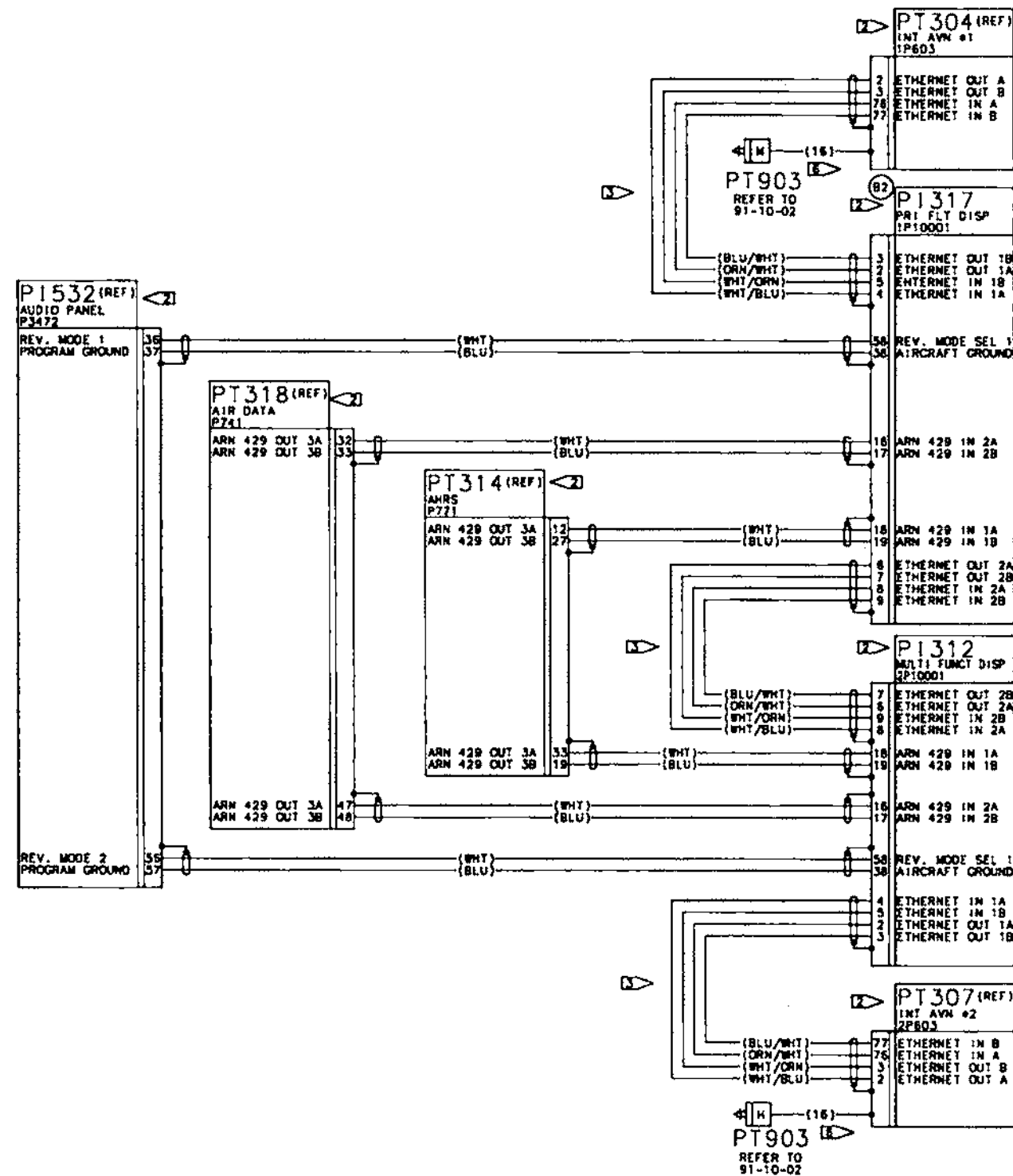
3927114_1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
		1 2 3 4 5 6 7			
02			KRD-510 FLIGHT INFORMATION SYSTEM PROVISIONS		
			17281201 & ON		
			172S9569 & ON		
GS901	3910276-2		GROUND STUD (ZONE 310)		01 R
JI901	S2350-3		CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE		01 R
			220)		
	S2353-5		PIN		AR R
PI406	050-03605-0000		CONNECTOR KIT MFD		01 R
PT1008	S3284-1		CONNECTOR		01 R
PT1009	S3284-1		CONNECTOR		01 R
PT709	RD25F00JVL0		CONNECTOR KDR-510 FIS.		01 R
	FC6020D		CONTACT	V28198	AR R
UI406			MFD KMD-540		RF R
UT709			FLIGHT INFORMATION SYSTEM		RF R

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



- # NOTES:
- 1 ALL WIRES 22 AWG UNLESS OTHERWISE NOTED.
 - 2 GROUND SHIELDS TO THE BACKSHELL OF THE CONNECTOR USING THE GARMIN SUPPLIED GROUNDING WIRES FASTENED TO THE CONNECTOR. SHIELD WIRES SHOULD BE NO LONGER THAN 3".
 - 3 USE 392404 CABLE.
 - 4 CONFIGURATION MODULE IS MOUNTED INSIDE OF P1317.
 5. THE FOLLOWING SPECS ARE PART OF THIS DRAWING:
CSA012 SHIELDED CABLE INSTALLATION.
CES2716 WIRE TERMINATIONS.
 - 6 16GA WIRE IS PART OF GARMIN TERMINATED WIRE GROUP.
EXTEND WIRE LENGTH AS REQUIRED.
 - 7 VENDOR SUPPLIED WIRES.

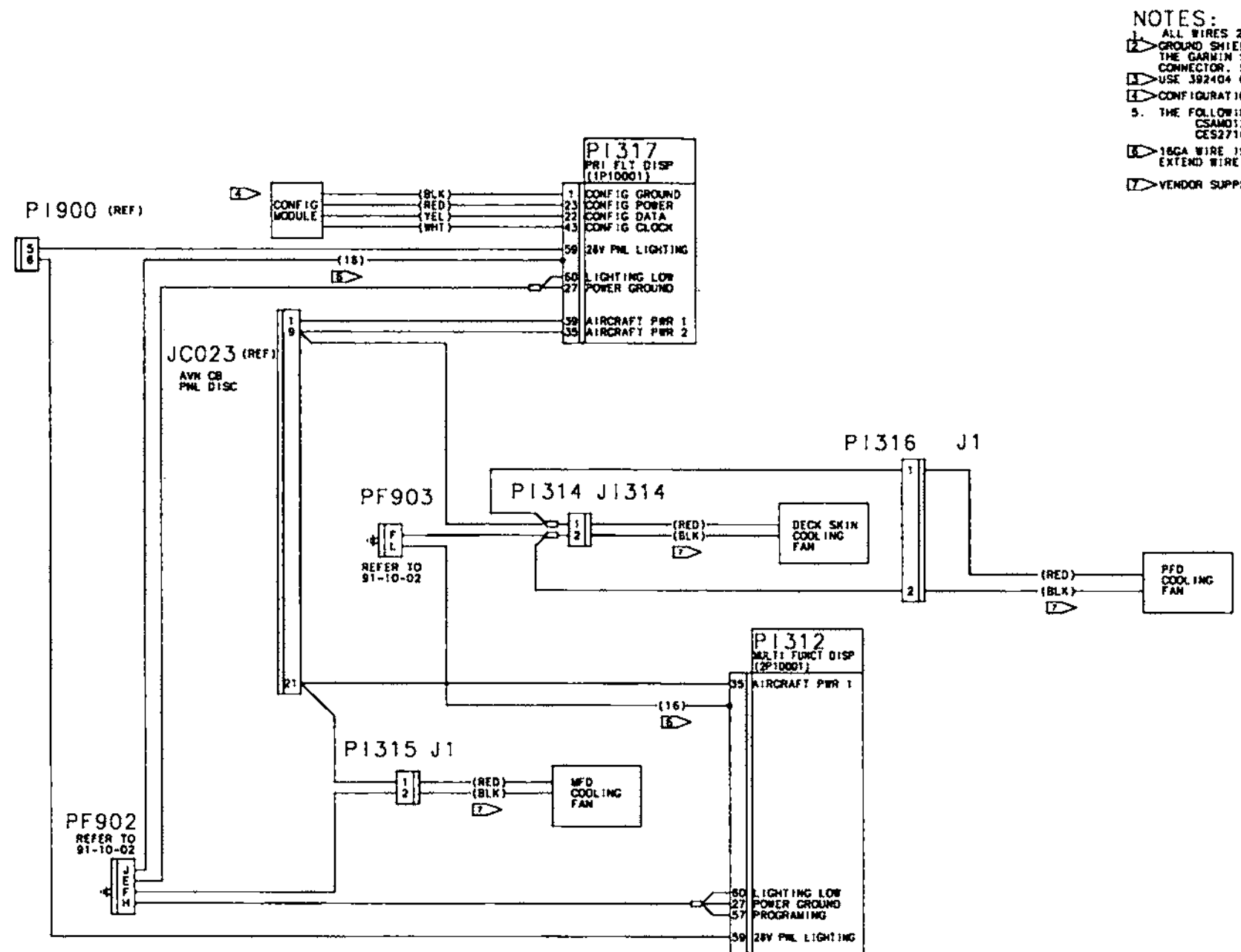
PFD AND MFD
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
01			PFD AND MFD 17281241 THRU 17281356 172S9810 THRU 172S10431 WITH NAV III OPTION		
	PI312	011-00820-00	. CONNECTOR KIT (ZONE 225)	81241 & ON	01
	PI317		. CONNECTOR	9810 & ON	RF
	PI532		. CONNECTOR AUDIO PANEL	81241 & ON	RF
	PT304	330-00185-78	. PART OF GARMIN KIT 011-00813-00 . CONNECTOR INTEGRATED AVIONICS BOX 1	9810 & ON	01
	PT307	330-00185-78	. CONNECTOR INTEGRATED AVIONICS BOX 2	81241 & ON	01
	PT314	011-00869-00	. CONNECTOR KIT	9810 & ON	01
	PT318	011-01010-00	. CONNECTOR KIT	81241 & ON	01
	PT903	SK2701	. CONNECTOR GROUND	9810 & ON	01
-	FC116N2		. . CONTACT	81241 81356	AR
-	FC120N2		. . CONTACT	9810 10431	AR

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



- NOTES:
- 1. ALL WIRES 22 AWG UNLESS OTHERWISE NOTED.
 - 2. GROUND SHIELDS TO THE BACKSHELL OF THE CONNECTOR USING THE GARMIN SUPPLIED GROUNDING WIRES FASTENED TO THE CONNECTOR. SHIELD WIRES SHOULD BE NO LONGER THAN 3".
 - 3. USE 392404 CABLE.
 - 4. CONFIGURATION MODULE IS MOUNTED INSIDE OF P1317.
 - 5. THE FOLLOWING SPECS ARE PART OF THIS DRAWING:
CSAMD12 SHIELDED CABLE INSTALLATION.
CES2716 WIRE TERMINATIONS.
 - 6. 18GA WIRE IS PART OF GARMIN TERMINATED WIRE GROUP. EXTEND WIRE LENGTH AS REQUIRED.
 - 7. VENDOR SUPPLIED WIRES.

3925113_2

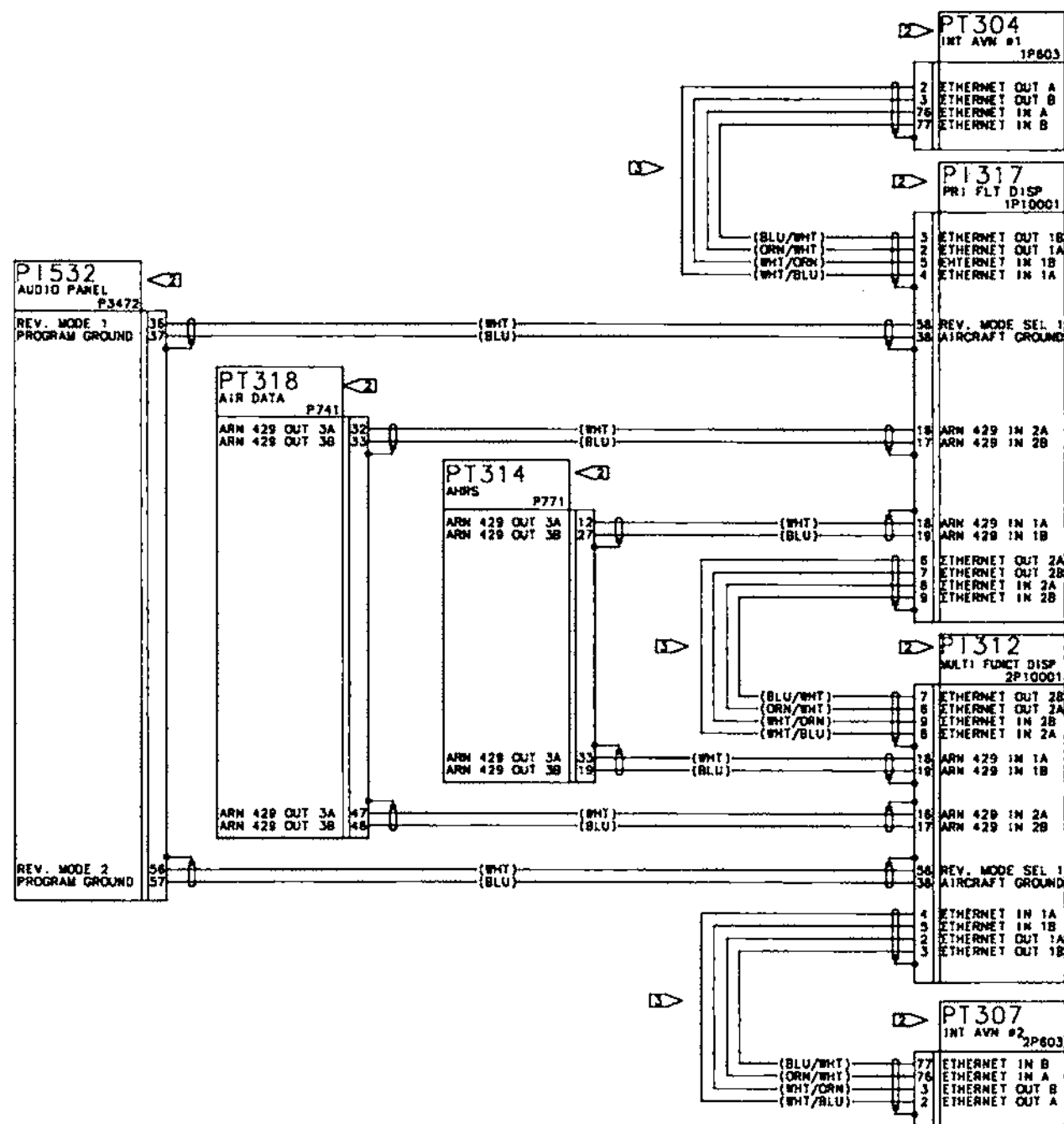
PFD AND MFD
Figure 01 (Sheet 2)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
01			PFD AND MFD 172S1241 THRU 172S1356 172S9810 THRU 172S10431 WITH NAV III AVIONICS		
J1	S2035-1	CONNECTOR (ZONE 121)	81241 & ON	01	
JC023	S2350-10	CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)	9810 & ON	01	
J1314	S2353-5	PIN	81241 & ON	01	AR
J1314	S2035-1	CONNECTOR	9810 & ON	01	AR
PF902	S1635-1	PIN			AR
PF902	SK2701	CONNECTOR GROUND (ZONE 221)	V28198	01	AR
PF903	FC116N2	CONTACT			AR
PF903	FC120N2	CONTACT	V28198	01	AR
PF903	SK2701	CONNECTOR (ZONE 221)	V28198	01	AR
PF903	FC116N2	CONTACT	V28198	01	AR
PF903	FC120N2	CONTACT			AR
PI312	011-00820-00	CONNECTOR KIT (ZONE 225)	81241 & ON	01	
PI314	S2035-2	CONNECTOR	9810 & ON	01	
PI315	S1636-1	SOCKET	81241 & ON	01	AR
PI315	S2035-2	CONNECTOR	9810 & ON	01	AR
PI316	S1636-1	SOCKET	81241 & ON	01	AR
PI316	S2035-2	CONNECTOR	9810 & ON	01	AR
PI317	S1636-1	SOCKET	81241 & ON	01	AR
PI317	S2035-2	CONNECTOR	9810 & ON	01	AR
PI900	S3070-9	CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)			01
	LMD6106P	BUSSING MODULE	V49367	01	
	LMS01T-TL	SPLICE CONNECTOR	V49367	01	
	S2353-5	PIN			AR

· ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



NOTES:

- ALL WIRES 22 AWG UNLESS OTHERWISE NOTED.
- GROUND SHIELDS TO THE BACKSHELL OF THE CONNECTOR USING THE GARMIN SUPPLIED GROUNDING LUGS ON THE CONNECTOR. SHIELD WIRES SHOULD BE NO LONGER THAN 3". REFER TO GARMIN DOCUMENT 190-00313-09 FOR SHIELD BLOCK INSTALLATION INSTRUCTIONS.
- USE 922204 CABLE.
- CONFIGURATION MODULE IS MOUNTED INSIDE OF P1317.
- THE FOLLOWING SPECS ARE PART OF THIS DRAWING:
 - CSAM012 SHIELDED CABLE INSTALLATION.
 - CES2716 WIRE TERMINATIONS.
- VENDOR SUPPLIED WIRES.

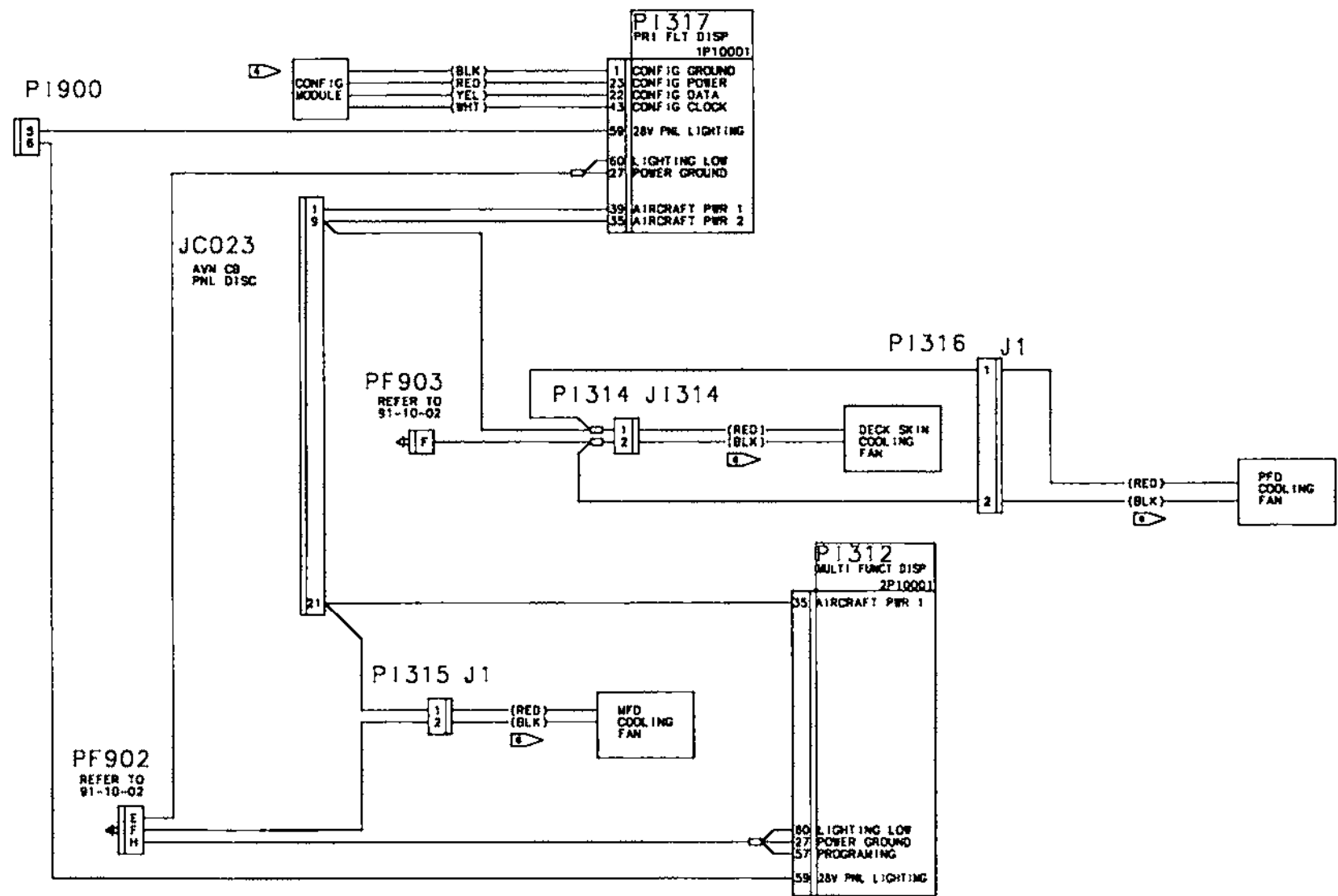
PFD AND MFD
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
02			PFD AND MFD 17281357 & ON 172S10432 & ON WITH NAV III OPTION		
PI312	011-00820-00		. CONNECTOR KIT (ZONE 225)	81241 & ON 9810 & ON	01 R
PI317			. CONNECTOR	81241 & ON 9810 & ON	RF R
PI532			. CONNECTOR AUDIO PANEL PART OF GARMIN KIT 011-00813-00	81241 & ON 9810 & ON	RF R
PT304	330-00185-78		. CONNECTOR INTEGRATED AVIONICS BOX 1	81241 & ON 9810 & ON	01 R
PT307	330-00185-78		. CONNECTOR INTEGRATED AVIONICS BOX 2	81241 & ON 9810 & ON	01 R
PT314	011-00869-00		. CONNECTOR KIT	81241 & ON 9810 & ON	01 R
PT318	011-01010-00		. CONNECTOR KIT	81241 & ON 9810 & ON	01 R

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL



NOTES:

1. ALL WIRES 22 AWG UNLESS OTHERWISE NOTED.
2. GROUND SHIELDS TO THE BACKSHELL OF THE CONNECTOR USING THE GARDIN SUPPLIED GROUNDING LUGS ON THE CONNECTOR. SHIELD WIRES SHOULD BE NO LONGER THAN 3". REFER TO GARDIN DOCUMENT 190-00313-09 FOR SHIELD BLOCK INSTALLATION INSTRUCTIONS.
3. USE 922204 CABLE.
4. CONFIGURATION MODULE IS MOUNTED INSIDE OF P1317.
5. THE FOLLOWING SPECS ARE PART OF THIS DRAWING:
 CSAM012 SHIELDED CABLE INSTALLATION.
 CES2716 WIRE TERMINATIONS.
6. VENDOR SUPPLIED WIRES.

3925121_2

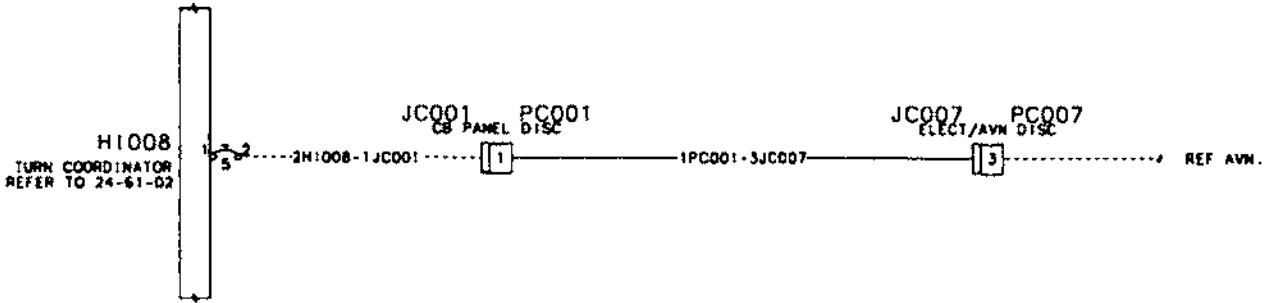
PFD AND MFD
 Figure 02 (Sheet 2)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
02			PFD AND MFD 172B1357 & ON 172S10432 & ON WITH NAV III AVIONICS		
	J1	S2035-1	CONNECTOR (ZONE 121)	81241 & ON 9810 & ON	01 R
	JC023	S2350-10	CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)	81241 & ON 9810 & ON	01 R
	J1314	S2353-5	PIN		AR R
	J1314	S2035-1	CONNECTOR	81241 & ON 9810 & ON	01 R
	PF902	S1635-1	PIN		AR R
	PF902	SK2701	CONNECTOR GROUND (ZONE 221)	V28198	01 R
		FC116N2	CONTACT		AR R
		FC120N2	CONTACT	V28198	AR R
	PF903	SK2701	CONNECTOR (ZONE 221)	V28198	01 R
		FC116N2	CONTACT	V28198	AR R
		FC120N2	CONTACT	V28198	AR R
	PI312	011-00820-00	CONNECTOR KIT (ZONE 225)	81241 & ON 9810 & ON	01 R
	PI314	S2035-2	CONNECTOR	81241 & ON 9810 & ON	01 R
	PI315	S1636-1	SOCKET		AR R
	PI315	S2035-2	CONNECTOR	81241 & ON 9810 & ON	01 R
	PI316	S1636-1	SOCKET		AR R
	PI316	S2035-2	CONNECTOR	81241 & ON 9810 & ON	01 R
	PI317	S1636-1	SOCKET		AR R
	PI317		CONNECTOR	81241 & ON 9810 & ON	RF R
	PI900	S3070-9	CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01 R
		LMD6106P	BUSSING MODULE	V49367	01 R
		LMS01T-TL	SPLICE CONNECTOR	V49367	01 R
		S2353-5	PIN		AR R

- ITEM NOT ILLUSTRATED

NOTES:
1. ALL WIRE 22AWG, EXCEPT AS NOTED



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TURN COORDINATOR
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

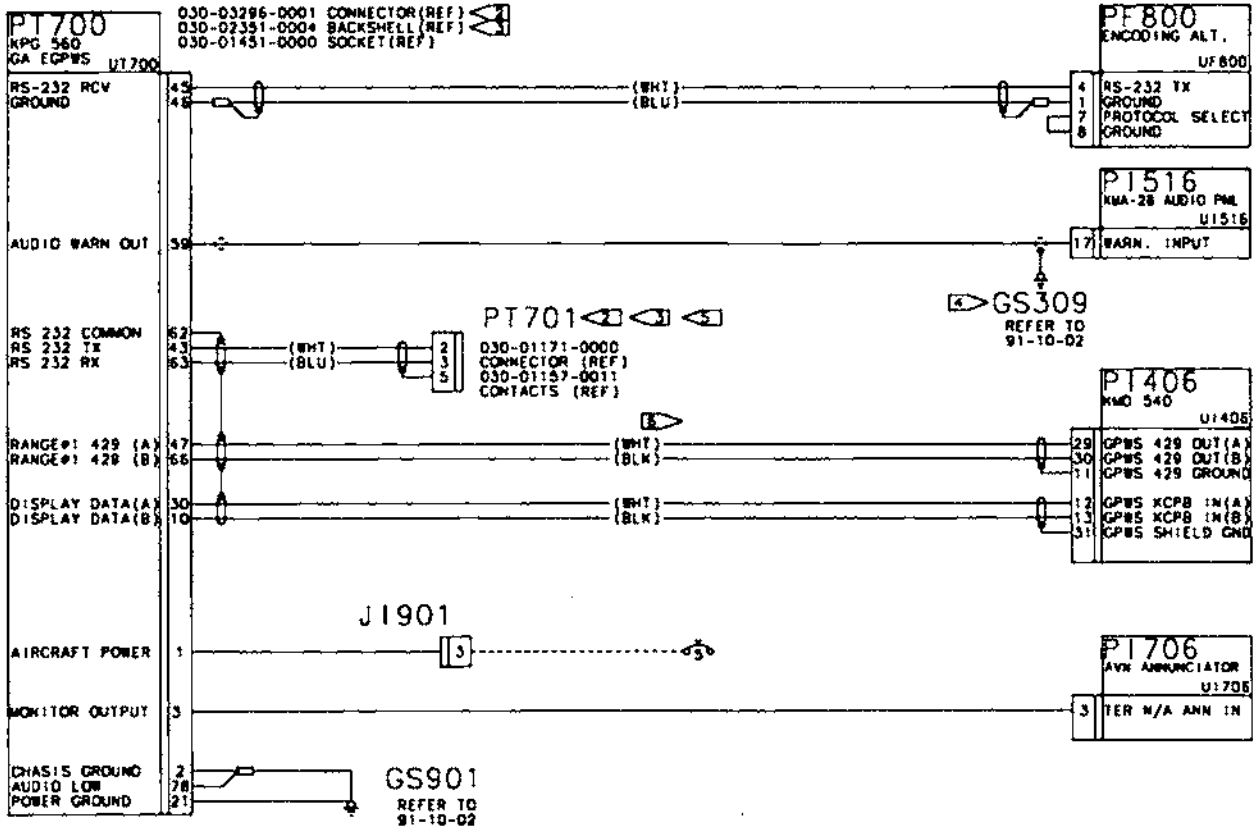
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
	DES			FROM TO	PER ASSY
01			TURN COORDINATOR		
			17280001 & ON		
			172S8001 & ON		
			WITHOUT NAV III OPTION		
	HI008	S1360-5L	CIRCUIT BREAKER TURN COORDINATOR (ZONE 224)		01
	JC001	S2349-5	CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01
-		S2099-4	SOCKET		AR
-	JC007	S1641-1	CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 224)		01
-		S1636-1	PINS		AR
-	PC001	S2350-10	CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01
-		S2353-4	PIN		AR
-		S2353-5	PIN		AR
-	PC007	S1640-9	CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220)		01
-		S1635-1	PIN		AR

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

NOTES:

- 1. ALL WIRE 22 AWG EXCEPT AS NOTED.
- 2. BAG AND STOW CONNECTOR.
- 3. PART OF KGP-560 EGPWS INSTALLATION KIT: 050-03621-0000.
- 4. GROUND STUD LOCATED ON BACK OF KMA-28 AUDIO PANEL.
- 5. WIRE BETWEEN PT700 & PT701 SHOULD BE 6'± 1'.
- 6. USE M17/176-00002 ELECTRICAL CABLE.



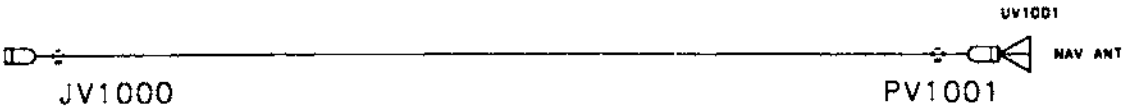
KGP-560 EGPWS PROVISIONS
Figure 01 (Sheet 1)

3927104D1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES		1 2 3 4 5 6 7		FROM TO	PER ASSY
01			KGP-560 EGPWS PROVISIONS		
			17281098 & ON		
			172S9063 & ON		
GS309	3910276-2		GROUND STUD (ZONE 225)		01 R
GS901	3910276-2		GROUND STUD (ZONE 310)		01 R
JI901	S2350-3		CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01 R
	S2353-5		PIN		AR R
PF800	745492-3		CONNECTOR (ZONE 211)	V00779	01 R
PI406	050-03605-0000		CONNECTOR KIT MFD		01 R
PI516	030-01094-0058		CONNECTOR AUDIO PANEL DISCONNECT (ZONE 225)		01 R
	050-03613-0001		CONNECTOR KIT		01 R
PI706	RD15F00JVL0		CONNECTOR ANNUNCIATOR (ZONE 211)	V28198	01 R
	FC6020D		CONTACT	V28198	AR R
PT700	030-03296-0001		CONNECTOR KPG-560 EGPWS (ZONE 310)		01 R
	030-01451-0000		SOCKET		AR R
	030-02351-0004		BACKSHELL		01 R
PT701	030-01170-0000		CONNECTOR (ZONE 310)		01 R
	050-03621-0000		INSTALLATION KIT		01 R
	030-01157-0011		CONTACTS		AR R
UF800			ALTIMETER ENCODING		RF R
UI406			MFD KMD-540		RF R
UI516	3910310-19		AUDIO PANEL KMA-28	80984 & ON 8704 & ON	01 R
UI706			SWITCH NAV/GPS SELECTOR		RF R
UT700			EGPWS		RF R

- ITEM NOT ILLUSTRATED



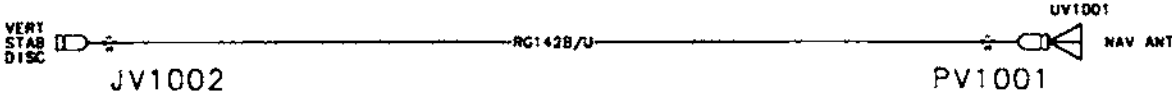
3921103_1

NAVIGATION ANTENNA
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
01			NAVIGATION ANTENNA 17280001 THRU 17280001 17280003 THRU 17280003		
JV1000			CONNECTOR VERTICAL TAIL (ZONE 340)		RF
PV1001	UG88C/U		CONNECTOR NAVIGATION ANTENNA COAX (ZONE 340)		01
	S3284-1		ALTERNATE FOR UG88C/U		01
UV1001	C598504-0201		ANTENNA NAVIGATION (ZONE 340)		01

- ITEM NOT ILLUSTRATED



NAVIGATION ANTENNA
Figure 02 (Sheet 1)

3921112_1

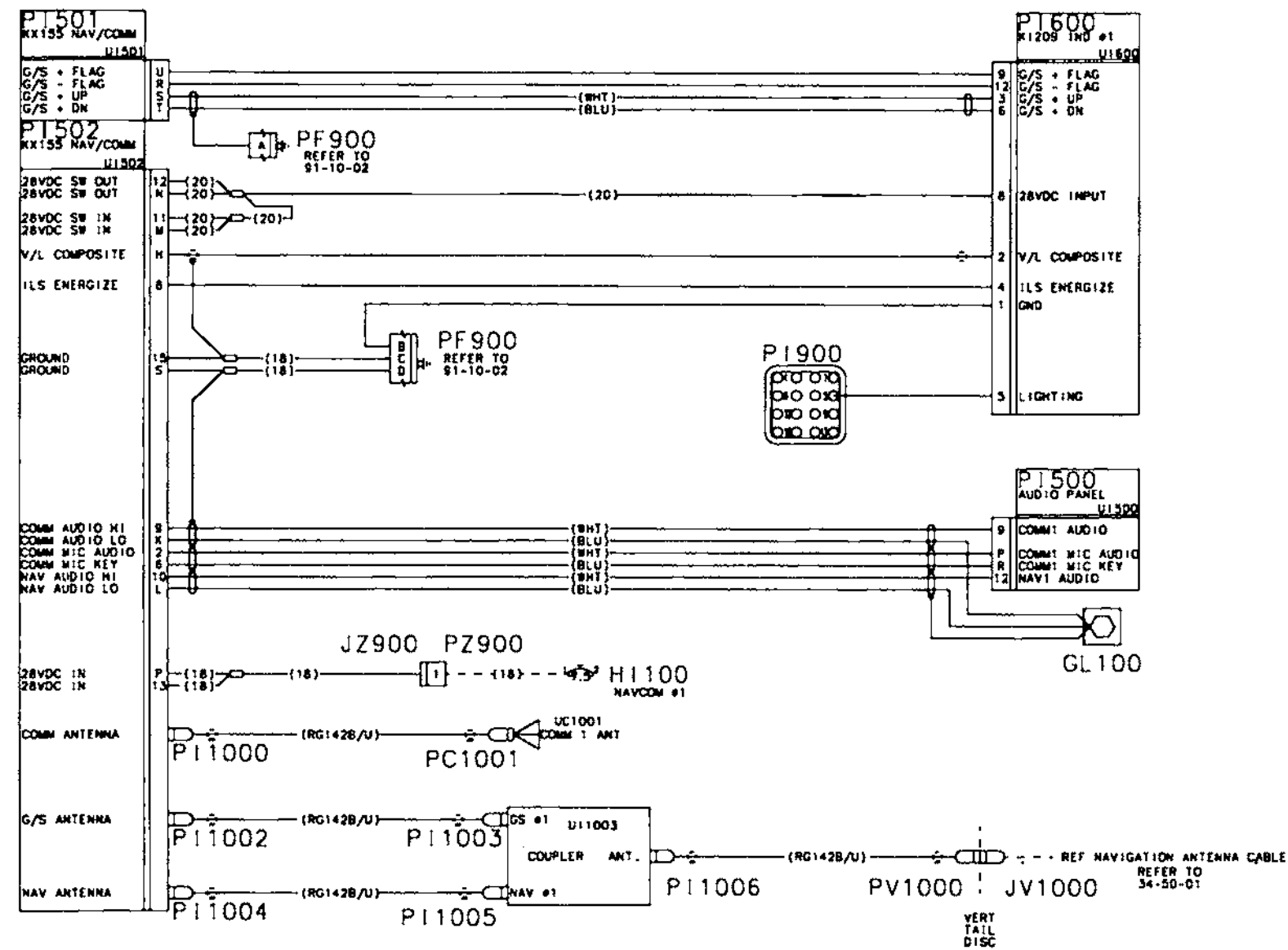
CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
		1 2 3 4 5 6 7		
02		NAVIGATION ANTENNA 17280002 THRU 17280002 17280004 & ON 172S8001 & ON		
JV1002	S2046-3	JACK ANTENNA (ZONE 340)		01
PV1001	UG88C/U	CONNECTOR NAVIGATION ANTENNA COAX (ZONE 340)		01
	S3284-1	ALTERNATE FOR UG88C/U		01
UV1001	C598504-0201	ANTENNA NAVIGATION (ZONE 340)		01

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

NOTES:
1. ALL WIRE 22 GAUGE UNLESS OTHERWISE SPECIFIED.



3921100A1

KX-155A NAV/COMM #1
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

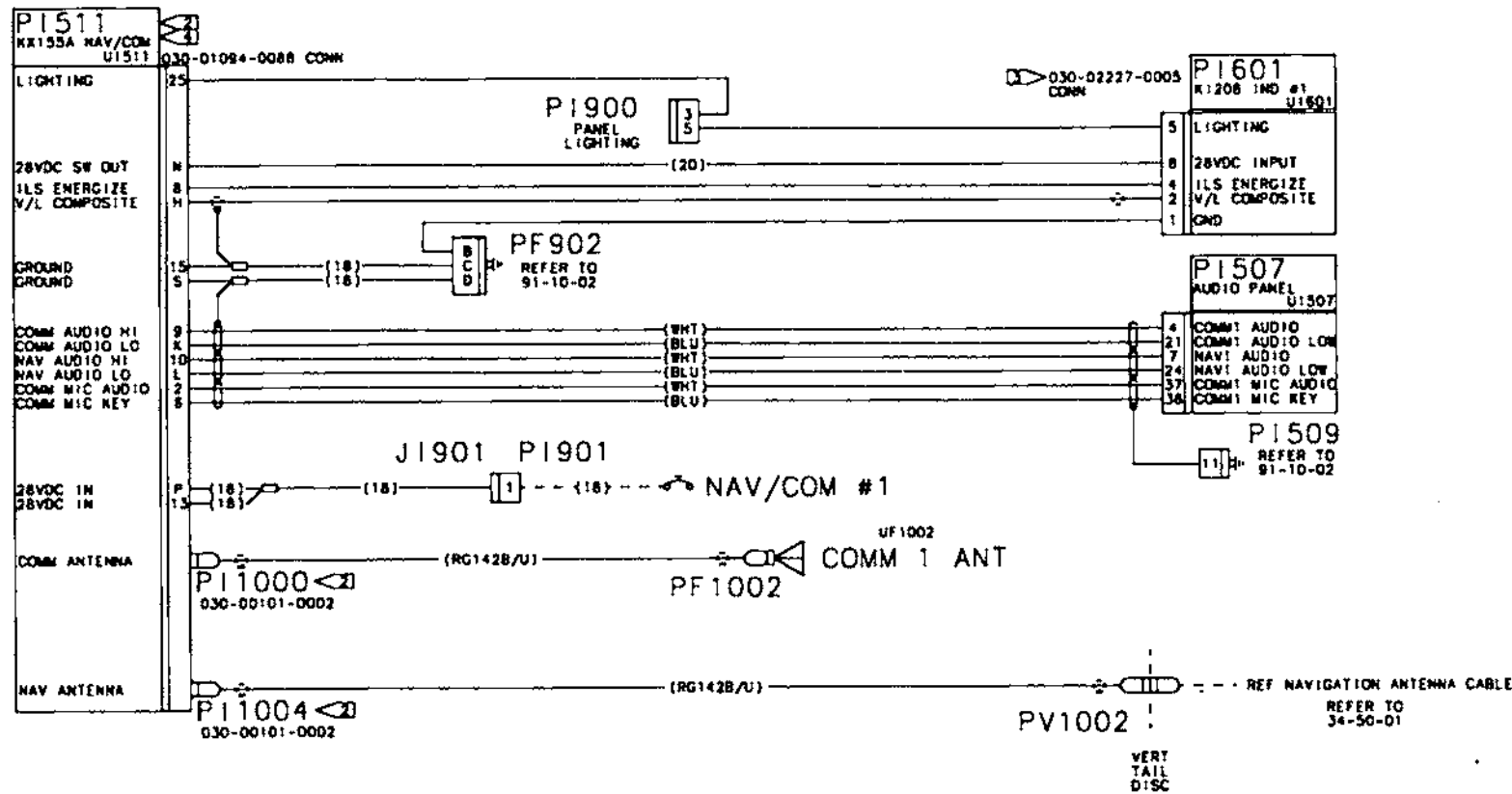
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
01			KX-155A NAV/COMM #1		
			17280001 THRU 17280003		
			STANDARD		
	GL100	008-0041-00	GROUND	V22373	01
	HI100	S1360-8L	CIRCUIT BREAKER NAV/COMM #1 (ZONE 224)		01
	JV1000		CONNECTOR VERTICAL TAIL (ZONE 340)		RF
	JZ900	S2350-3	CONNECTOR (ZONE 220)		01
		S2353-4	PINS		AR
		S2353-5	PINS		AR
	PC1001		CONNECTOR COMM #1 ANTENNA (ZONE 210)		RF
	PF900	S2526-1	CONNECTOR GROUND (ZONE 221)		01
		203618-1	SCREW	V00779	02
		S2099-4	CONTACT		04
	PI1000	030-00101-0002	CONNECTOR KX155A NAV/COMM COAX DISCONNECT (ZONE 225)	V22373	01
	PI1002	030-00101-0002	CONNECTOR GLIDESLOPE ANTENNA (ZONE 225)	V22373	01
		050-03378-0000	CONNECTOR KIT		01
	PI1003	UG88C/U	CONNECTOR COMM 1 ANTENNA (ZONE 220)		01
		S3284-1	ALTERNATE FOR UG88C/U		01
	PI1004	030-00101-0002	CONNECTOR KX155A NAV/COMM DISCONNECT COAX (ZONE 225)	V22373	01
		050-03378-0001	CONNECTOR KIT		01
	PI1005	UG88C/U	CONNECTOR NAV 1 ANTENNA COUPLER (ZONE 220)		01
		S3284-1	ALTERNATE FOR UG88C/U		01
	PI1006	225555-6	CONNECTOR NAV/COMM ANTENNA COUPLER DISCONNECT (ZONE 220)	V00779	01
	PI500	030-1094-58	PANEL AUDIO (ZONE 225)	V22373	01
		030-1107-46	PIN	V22373	AR
	PI501	030-01094-060	CONNECTOR NAV/COMM KX-155 DISCONNECT (ZONE 225)		01
		030-01107-0030	PIN		AR
	PI502	030-01094-059	CONNECTOR NAV/COMM KX-155 DISCONNECT (ZONE 225)		01
		030-01107-0030	PIN		AR
	PI600	030-02227-005	CONNECTOR KI-209 INDICATOR DISCONNECT (ZONE 220)		01
	PI900	S3070-9	CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01
		LMD6106P	BUSSING MODULE	V49367	01
		LMS01T-TL	SPLICE CONNECTOR	V49367	01
		S2353-5	PIN		AR
	PV1000		CONNECTOR VERTICAL TAIL COAX DISCONNECT (ZONE 340)		RF
	PZ900	S2349-1	CONNECTOR WING LEVELER DISCONNECT (ZONE 220)		01
		S2099-3	CONTACTS		AR
		S2099-4	CONTACTS		AR
	UC1001		ANTENNA COMM #1 (ZONE 210)		RF
	UI1003	S2473-1	COUPLER NAV ANTENNA (ZONE 210)		01
	UI500		PANEL AUDIO		RF
	UI501		NAV/COMM KX155		RF
	UI502		NAV/COMM KX155		RF
	UI600		INDICATOR KI209		RF

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

NOTES:
1 ALL WIRE 22 GAUGE UNLESS OTHERWISE SPECIFIED.
2 PART OF ALLIED SIGNAL INSTL KIT 050-03378-0001.
3 PART OF ALLIED SIGNAL INSTL KIT 050-01550-0000.
4 INSTALL POLARIZING PIN BETWEEN PINS 3 & 4.



3921110_1

KX-155A NAV/COMM #1
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
02			KX-155A NAV/COMM #1 17280004 THRU 17280983 172S8001 THRU 172S8703 STANDARD		
	J1901	S2350-3	CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01
	-	S2353-5	PIN		AR
	PF1002	UG913A/U	CONNECTOR COMM #1 ANTENNA COAX DISCONNECT (ZONE 210)		01
	PF902	SK2701	CONNECTOR GROUND (ZONE 221)	V28198	01
	-	FC116N2	CONTACT		AR
	-	FC120N2	CONTACT	V28198	AR
	PI1000	030-00101-0002	CONNECTOR KX155A NAV/COMM COAX DISCONNECT (ZONE 225)	V22373	01
	PI1004	030-00101-0002	CONNECTOR KX155A NAV/COMM DISCONNECT COAX (ZONE 225)	V22373	01
	-	050-03378-0001	CONNECTOR KIT		01
	PI507	050-03392-0000	CONNECTOR KIT AUDIO PANEL (ZONE 225)		01
	PI509	030-01094-0004	CONNECTOR AUDIO PANEL (ZONE 225)	V22373	01
	PI511	030-01094-0088	CONNECTOR KX155A NAV/COMM DISCONNECT (ZONE 225)		01
	-	050-03378-0000	CONNECTOR KIT		01
	-	050-03378-0001	CONNECTOR KIT		01
	PI601	030-02227-0005	CONNECTOR KI208 INDICATOR DISCONNECT (ZONE 220)		01
	-	030-01550-0000	CONNECTOR KIT		01
	PI900	S3070-9	CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01
	-	LMD6106P	BUSSING MODULE	V49367	01
	-	LMS01T-TL	SPLICE CONNECTOR	V49367	01
	-	S2353-5	PIN		AR
	PI901	S2349-1	CONNECTOR AVIONICS CIRCUIT BREAKER PANEL (ZONE 224)		01
	-	S2099-3	CONTACT		AR
	-	S2099-4	CONTACT		AR
	PV1002	UG88C/U	CONNECTOR VERTICAL TAIL COAX DISCONNECT (ZONE 340)		01
	-	S3284-1	ALTERNATE FOR UG88C/U		01
	UF1002	C1-128A	ANTENNA COMM #1 (ZONE 210)	V51351	01
	UI507	066-01155-0101	PANEL AUDIO (ZONE 225)	V22373 80001 80601	01
	-	066-01155-0201	ALTERNATE FOR 066-01155-0101	V22373	01
	UI507	066-01155-0201	PANEL AUDIO (ZONE 225)	V22373 80602 80720	01
				8001 8189	
	UI507	S3100-160	PANEL AUDIO (ZONE 225)	80721 80983	01
				8190 8703	
	UI511	069-01032-0201	NAV/COMM KX-155A (ZONE 211)	V22373 80001 80720	01
				8001 8189	
	UI511	S3100-156	NAV/COMM KX-155A (ZONE 211)	80721 80812	01
				8190 8319	
	UI511	S3100-179	NAV/COMM KX-155A (ZONE 211)	80813 & ON	01
				8320 & ON	
	UI601	S3100-157	INDICATOR KI208 NAV (ZONE 211)		01

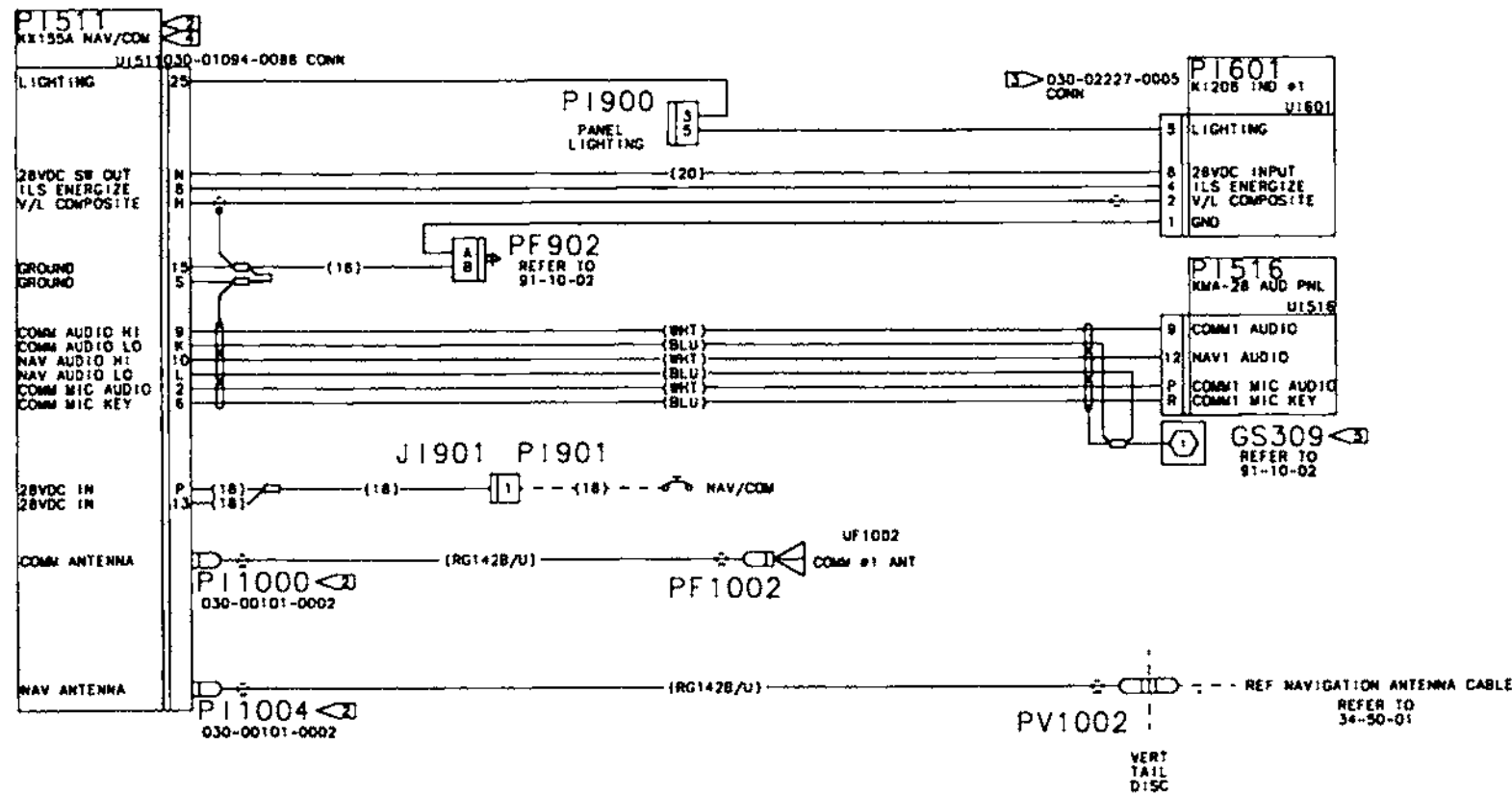
- ITEM NOT ILLUSTRATED

Figure 02

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

NOTES:
 1. ALL WIRE 22 GAUGE UNLESS OTHERWISE SPECIFIED.
 2. PART OF ALLIED SIGNAL INSTL KIT 030-03376-0001.
 3. PART OF ALLIED SIGNAL INSTL KIT 030-01550-0000.
 4. INSTALL POLARIZING PIM BETWEEN PINS 3 & 4.
 5. GROUND STUD IS LOCATED ON THE BACK OF THE AUDIO PANEL RACK



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KX-155A NAV/COMM #1
 Figure 03 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

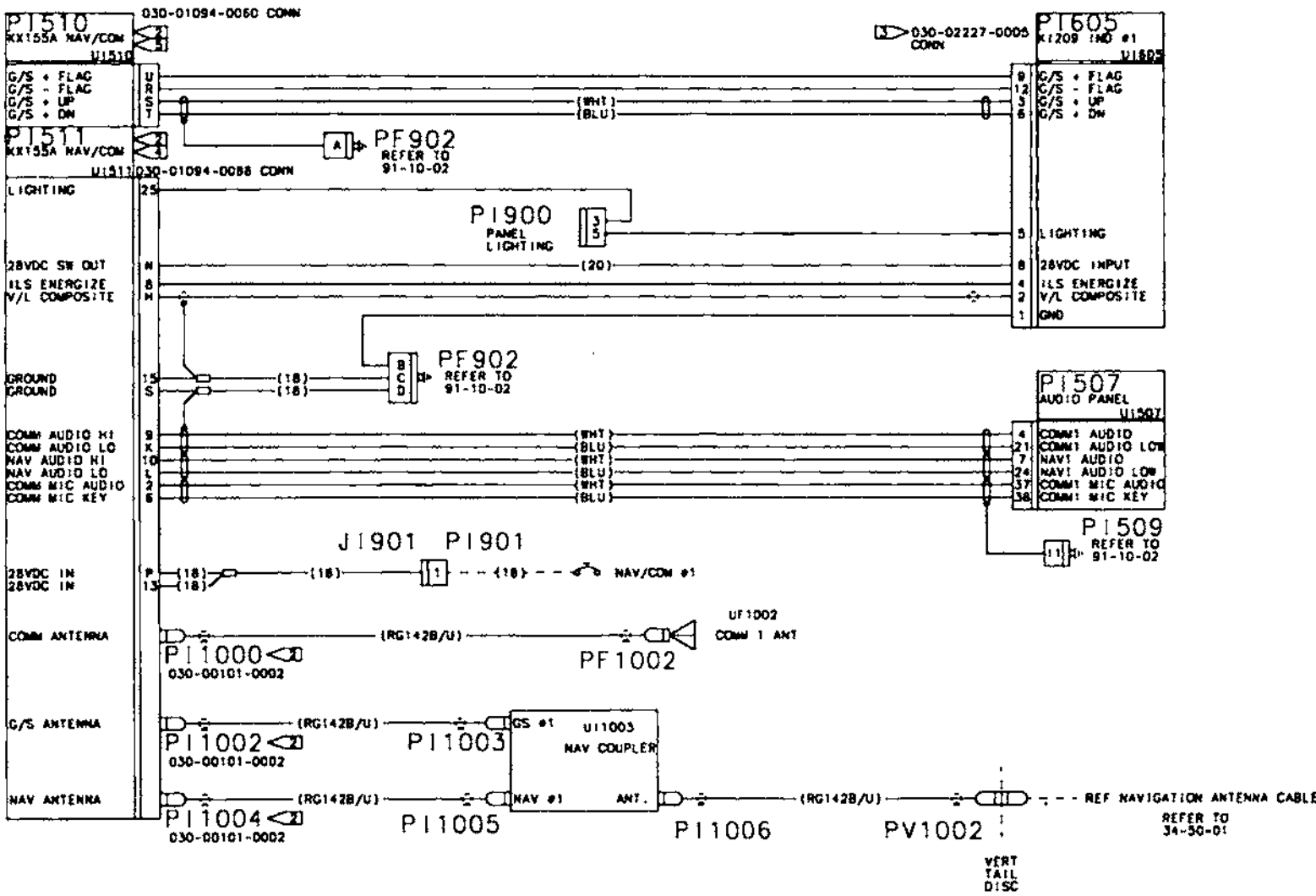
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
03			KX-155A NAV/COMM #1		
			17280984 & ON		
			172S8704 & ON		
			STANDARD		
GS309	3910276-2		GROUND STUD (ZONE 225)		01 R
J1901	S2350-3		CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE		01
			220)		
	S2353-5		PIN		AR
PF1002	UG913A/U		CONNECTOR COMM #1 ANTENNA COAX DISCONNECT (ZONE		01
			210)		
PF902	SK2701		CONNECTOR GROUND (ZONE 221)	V28198	01
	FC116N2		CONTACT		AR
	FC120N2		CONTACT	V28198	AR
P11000	030-00101-0002		CONNECTOR KX155A NAV/COMM COAX DISCONNECT (ZONE	V22373	01
			225)		
P11004	030-00101-0002		CONNECTOR KX155A NAV/COMM DISCONNECT COAX (ZONE	V22373	01
			225)		
	050-03378-0001		CONNECTOR KIT		01
P1511	030-01094-0088		CONNECTOR KX155A NAV/COMM DISCONNECT (ZONE 225)		01
	050-03378-0000		CONNECTOR KIT		01
	050-03378-0001		CONNECTOR KIT		01
P1516	030-01094-0058		CONNECTOR AUDIO PANEL DISCONNECT (ZONE 225)		01
	050-03613-0001		CONNECTOR KIT		01
P1601	030-02227-0005		CONNECTOR KI208 INDICATOR DISCONNECT (ZONE 220)		01
	030-01550-0000		CONNECTOR KIT		01
P1900	S3070-9		CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01
	LMD6106P		BUSSING MODULE	V49367	01
	LMS01T-TL		SPLICE CONNECTOR	V49367	01
	S2353-5		PIN		AR
P1901	S2349-1		CONNECTOR AVIONICS CIRCUIT BREAKER PANEL (ZONE 224)		01
	S2099-3		CONTACT		AR
	S2099-4		CONTACT		AR
PV1002	UG88C/U		CONNECTOR VERTICAL TAIL COAX DISCONNECT (ZONE 340)		01
	S3284-1		ALTERNATE FOR UG88C/U		01
UF1002	CI-128A		ANTENNA COMM #1 (ZONE 210)	V51351	01
UI511	S3100-179		NAV/COMM KX-155A (ZONE 211)		01
				80813 & ON	
				8320 & ON	
UI516	3910310-19		AUDIO PANEL KMA-28	80984 & ON	01
				8704 & ON	
UI601	S3100-157		INDICATOR KI208 NAV (ZONE 211)		01

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

- NOTES:
- 1 ALL WIRE 22 GAUGE UNLESS OTHERWISE SPECIFIED.
 - 2 PART OF ALLIED SIGNAL INSTL KIT 050-03378-0000.
 - 3 PART OF ALLIED SIGNAL INSTL KIT 050-01550-0000.
 - 4 INSTALL POLARIZING PIN BETWEEN PINS 3 & 4.
 - 5 INSTALL POLARIZING PIN BETWEEN PINS 1 & 2.



3921115A1

KX-155A NAV/COMM #1
 Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
01			KX-155A NAV/COMM #1		
			17280001 THRU 17280983		
			172S8001 THRU 172S8703		
			NAV 1		
			WITH GLIDESLOPE		
	J1901	S2350-3	CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01
		S2353-5	PIN		AR
	PF1002	UG913A/U	CONNECTOR COMM #1 ANTENNA COAX DISCONNECT (ZONE 210)		01
	PF902	SK2701	CONNECTOR GROUND (ZONE 221)	V28198	01
		FC116N2	CONTACT		AR
		FC120N2	CONTACT	V28198	AR
	PI1000	030-00101-0002	CONNECTOR KX155A NAV/COMM COAX DISCONNECT (ZONE 225)	V22373	01
	PI1002	030-00101-0002	CONNECTOR GLIDESLOPE ANTENNA (ZONE 225)	V22373	01
		050-03378-0000	CONNECTOR KIT		01
	PI1003	UG88C/U	CONNECTOR COMM 1 ANTENNA (ZONE 220)		01
		S3284-1	ALTERNATE FOR UG88C/U		01
	PI1004	030-00101-0002	CONNECTOR KX155A NAV/COMM DISCONNECT COAX (ZONE 225)	V22373	01
		050-03378-0001	CONNECTOR KIT		01
	PI1005	UG88C/U	CONNECTOR NAV 1 ANTENNA COUPLER (ZONE 220)		01
		S3284-1	ALTERNATE FOR UG88C/U		01
	PI1006	225555-6	CONNECTOR NAV/COMM ANTENNA COUPLER DISCONNECT (ZONE 220)	V00779	01
	PI507	050-03392-0000	CONNECTOR KIT AUDIO PANEL (ZONE 225)		01
	PI509	030-01094-0004	CONNECTOR AUDIO PANEL (ZONE 225)	V22373	01
	PI510	030-01094-0060	CONNECTOR KX155A NAV/COMM DISCONNECT (ZONE 225)		01
		050-03378-0000	CONNECTOR KIT		01
	PI511	030-01094-0088	CONNECTOR KX155A NAV/COMM DISCONNECT (ZONE 225)		01
		050-03378-0000	CONNECTOR KIT		01
		050-03378-0001	CONNECTOR KIT		01
	PI605	030-02227-0005	CONNECTOR KI209 INDICATOR DISCONNECT (ZONE 220)		01
		050-01550-0000	CONNECTOR KIT		01
	PI900	S3070-9	CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01
		LMD6106P	BUSSING MODULE	V49367	01
		LMS01T-TL	SPLICE CONNECTOR	V49367	01
		S2353-5	PIN		AR
	PI901	S2349-1	CONNECTOR AVIONICS CIRCUIT BREAKER PANEL (ZONE 224)		01
		S2099-3	CONTACT		AR
		S2099-4	CONTACT		AR
	PV1002	UG88C/U	CONNECTOR VERTICAL TAIL COAX DISCONNECT (ZONE 340)		01
		S3284-1	ALTERNATE FOR UG88C/U		01
	UF1002	CI-128A	ANTENNA COMM #1 (ZONE 210)	V51351	01
	UI1003	S2473-1	COUPLER NAV ANTENNA (ZONE 210)		01
	UI507	066-01155-0101	PANEL AUDIO (ZONE 225)	V22373 80001 80601	01
		066-01155-0201	ALTERNATE FOR 066-01155-0101	V22373	01
	UI507	066-01155-0201	PANEL AUDIO (ZONE 225)	V22373 80602 80720	01
				8001 8189	
	UI507	S3100-160	PANEL AUDIO (ZONE 225)	80721 80983	01
				8190 8703	
	UI510	069-01032-0101	NAV/COMM WITH GLIDESLOPE KX-155A (ZONE 210)	V22373 80001 80720	01
				8001 8189	
	UI510	S3100-155	NAV/COMM WITH GLIDESLOPE KX-155A (ZONE 210)	80721 80812	01
				8190 8319	
	UI510	S3100-178	NAV/COMM WITH GLIDESLOPE KX-155A (ZONE 210)	80813 & ON	01
				8320 & ON	
	UI511	069-01032-0201	NAV/COMM KX-155A (ZONE 211)	V22373 80001 80720	01
				8001 8189	
	UI511	S3100-156	NAV/COMM KX-155A (ZONE 211)	80721 80812	01
				8190 8319	
	UI511	S3100-179	NAV/COMM KX-155A (ZONE 211)	80813 & ON	01
				8320 & ON	

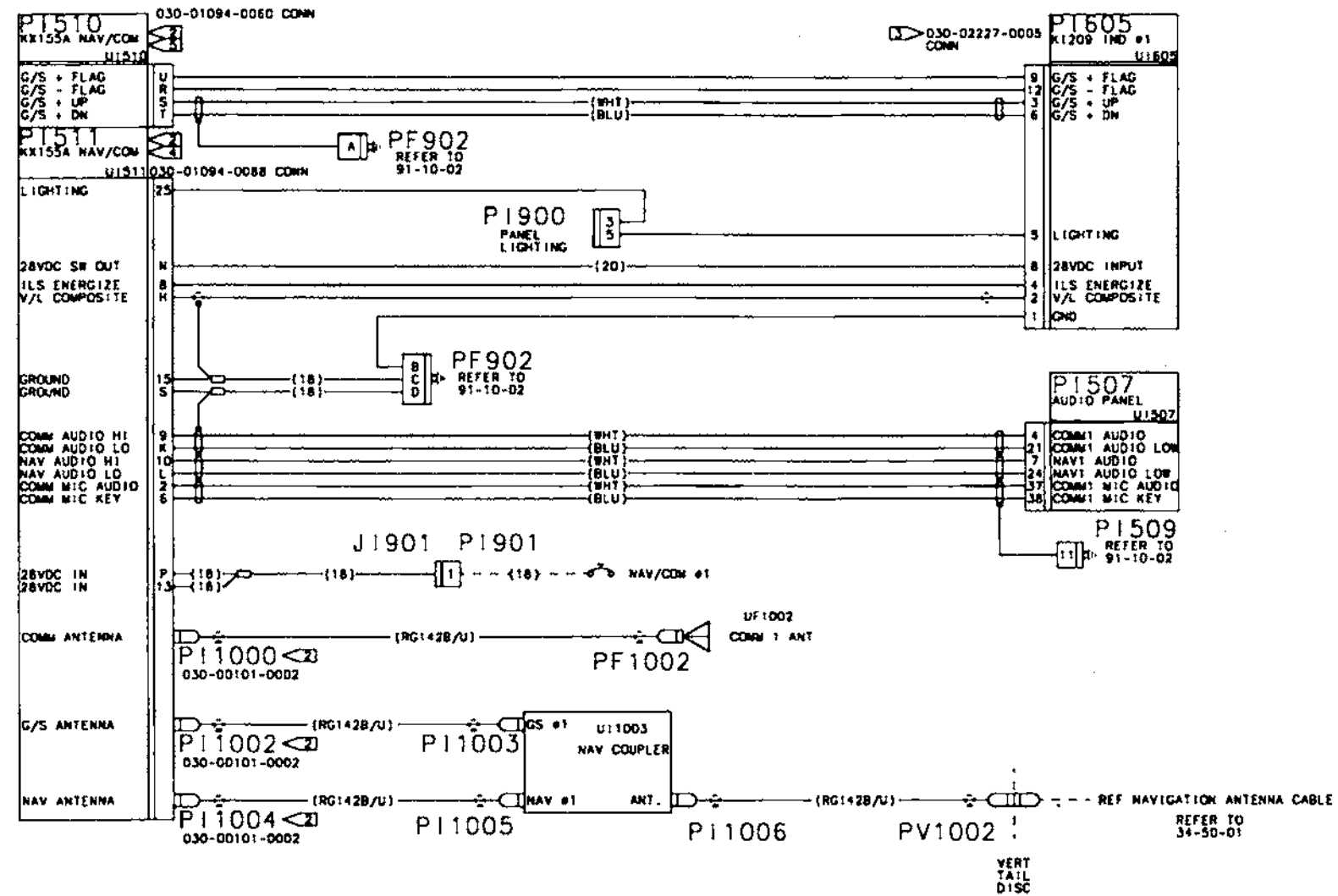
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Figure 01

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

1. ALL WIRE 22 GAUGE UNLESS OTHERWISE SPECIFIED.
2. PART OF ALLIED SIGNAL INSTL KIT 050-03378-0000.
3. PART OF ALLIED SIGNAL INSTL KIT 050-01550-0000.
4. INSTALL POLARIZING PIN BETWEEN PINS 3 & 4.
5. INSTALL POLARIZING PIN BETWEEN PINS 1 & 2.



KX-155A NAV/COMM #1
Figure 01 (Sheet 1)

3921115A1

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

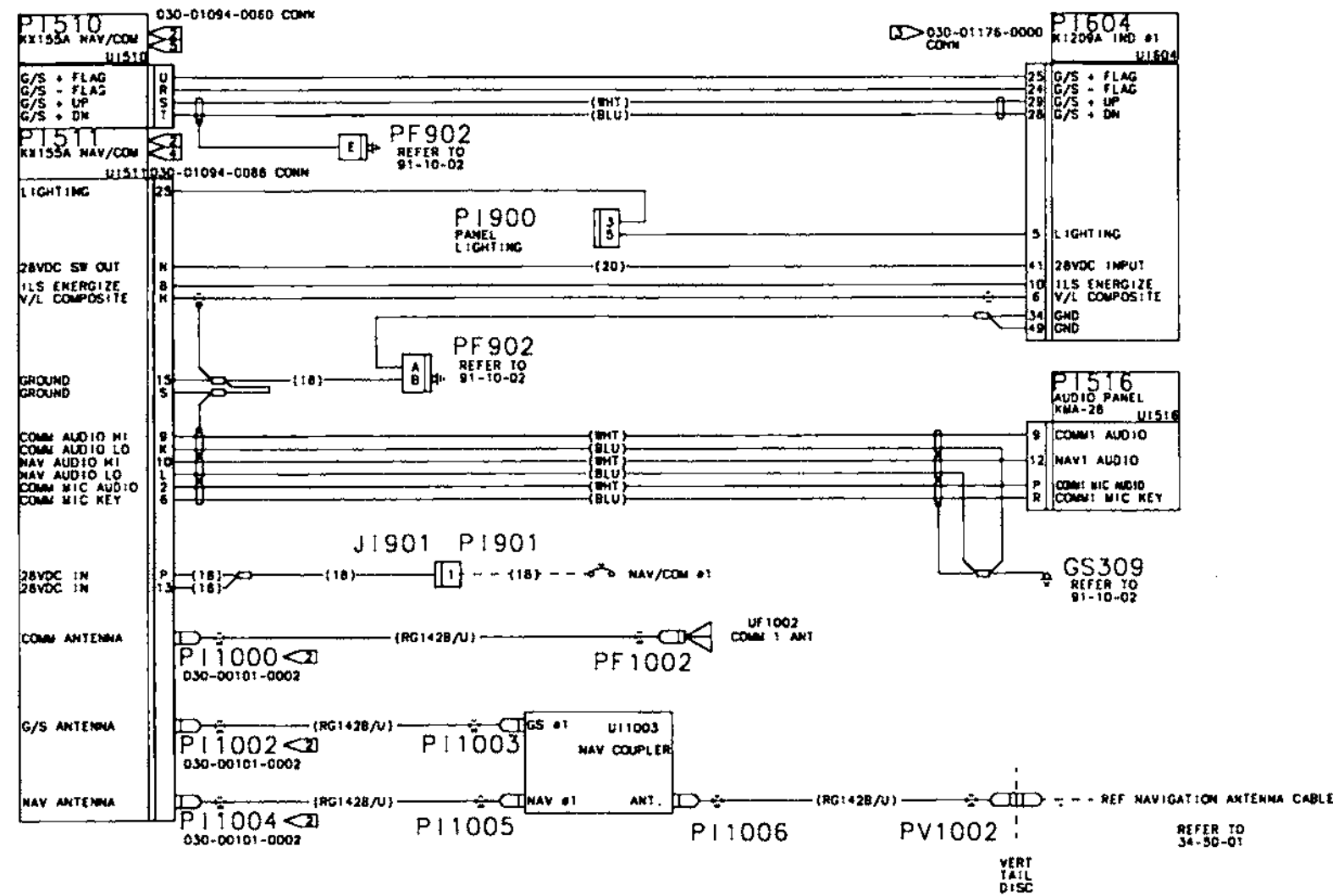
FIG REF DES	PART NUMBER	1234567 NOMENCLATURE	EFFECTIVITY		UNITS PER ASSY
			FROM	TO	
UI605	S3100-157	INDICATOR CDI (ZONE 210)			01

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

NOTES:

1 ALL WIRE 22 GAUGE UNLESS OTHERWISE SPECIFIED.
PART OF ALLIED SIGNAL INSTL KIT 050-03378-0000.
2 PART OF ALLIED SIGNAL INSTL KIT 050-01550-0001.
3 INSTALL POLARIZING PIN BETWEEN PINS 3 & 4.
4
5 INSTALL POLARIZING PIN BETWEEN PINS 1 & 2.



3921138A1

KX-155A NAV/COMM #1
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
02			KX-155A NAV/COMM #1		
			17280984 & ON		
			172S8704 & ON		
			NAV I, NAV I W/ADF, NAV II, NAV II ADF, MFD		
GS309	3910276-2		GROUND STUD (ZONE 225)		01
J1901	S2350-3		CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01
	S2353-5		PIN		AR
PF1002	UG913A/U		CONNECTOR COMM #1 ANTENNA COAX DISCONNECT (ZONE 210)		01
PF902	SK2701		CONNECTOR GROUND (ZONE 221)	V28198	01
	FC116N2		CONTACT		AR
	FC120N2		CONTACT	V28198	AR
PI1000	030-00101-0002		CONNECTOR KX155A NAV/COMM COAX DISCONNECT (ZONE 225)	V22373	01
PI1002	030-00101-0002		CONNECTOR GLIDESLOPE ANTENNA (ZONE 225)	V22373	01
	050-03378-0000		CONNECTOR KIT		01
PI1003	UG88C/U		CONNECTOR COMM 1 ANTENNA (ZONE 220)		01
	S3284-1		ALTERNATE FOR UG88C/U		01
PI1004	030-00101-0002		CONNECTOR KX155A NAV/COMM DISCONNECT COAX (ZONE 225)	V22373	01
	050-03378-0001		CONNECTOR KIT		01
PI1005	UG88C/U		CONNECTOR NAV 1 ANTENNA COUPLER (ZONE 220)		01
	S3284-1		ALTERNATE FOR UG88C/U		01
PI1006	225555-6		CONNECTOR NAV/COMM ANTENNA COUPLER DISCONNECT (ZONE 220)	V00779	01
PI510	030-01094-0060		CONNECTOR KX155A NAV/COMM DISCONNECT (ZONE 225)		01
	050-03378-0000		CONNECTOR KIT		01
PI511	030-01094-0088		CONNECTOR KX155A NAV/COMM DISCONNECT (ZONE 225)		01
	050-03378-0000		CONNECTOR KIT		01
	050-03378-0001		CONNECTOR KIT		01
PI516	030-01094-0058		CONNECTOR AUDIO PANEL DISCONNECT (ZONE 225)		01
	050-03613-0001		CONNECTOR KIT		01
PI604	030-01176-0000		CONNECTOR KI209A INDICATOR DISCONNECT (ZONE 220)		01
	050-01550-0001		CONNECTOR KIT		01
PI900	S3070-9		CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01
	LMD6106P		BUSSING MODULE	V49367	01
	LMS01T-TL		SPLICE CONNECTOR	V49367	01
	S2353-5		PIN		AR
PI901	S2349-1		CONNECTOR AVIONICS CIRCUIT BREAKER PANEL (ZONE 224)		01
	S2099-3		CONTACT		AR
	S2099-4		CONTACT		AR
PV1002	UG88C/U		CONNECTOR VERTICAL TAIL COAX DISCONNECT (ZONE 340)		01
	S3284-1		ALTERNATE FOR UG88C/U		01
UF1002	CI-128A		ANTENNA COMM #1 (ZONE 210)	V51351	01
UI1003	S2473-1		COUPLER NAV ANTENNA (ZONE 210)		01
UI510	S3100-178		NAV/COMM WITH GLIDESLOPE KX-155A (ZONE 210)	80813 & ON	01
				8320 & ON	
UI511	069-01032-0201		NAV/COMM KX-155A (ZONE 211)	80001 80720	01
				8001 8189	
UI511	S3100-156		NAV/COMM KX-155A (ZONE 211)	80721 80812	01
				8190 8319	
UI511	S3100-179		NAV/COMM KX-155A (ZONE 211)	80813 & ON	01
				8320 & ON	
UI516	3910310-19		AUDIO PANEL KMA-28	80984 & ON	01
				8704 & ON	
UI604	S3100-158		INDICATOR KI-209A (ZONE 210)	80780 & ON	01
				8262 & ON	

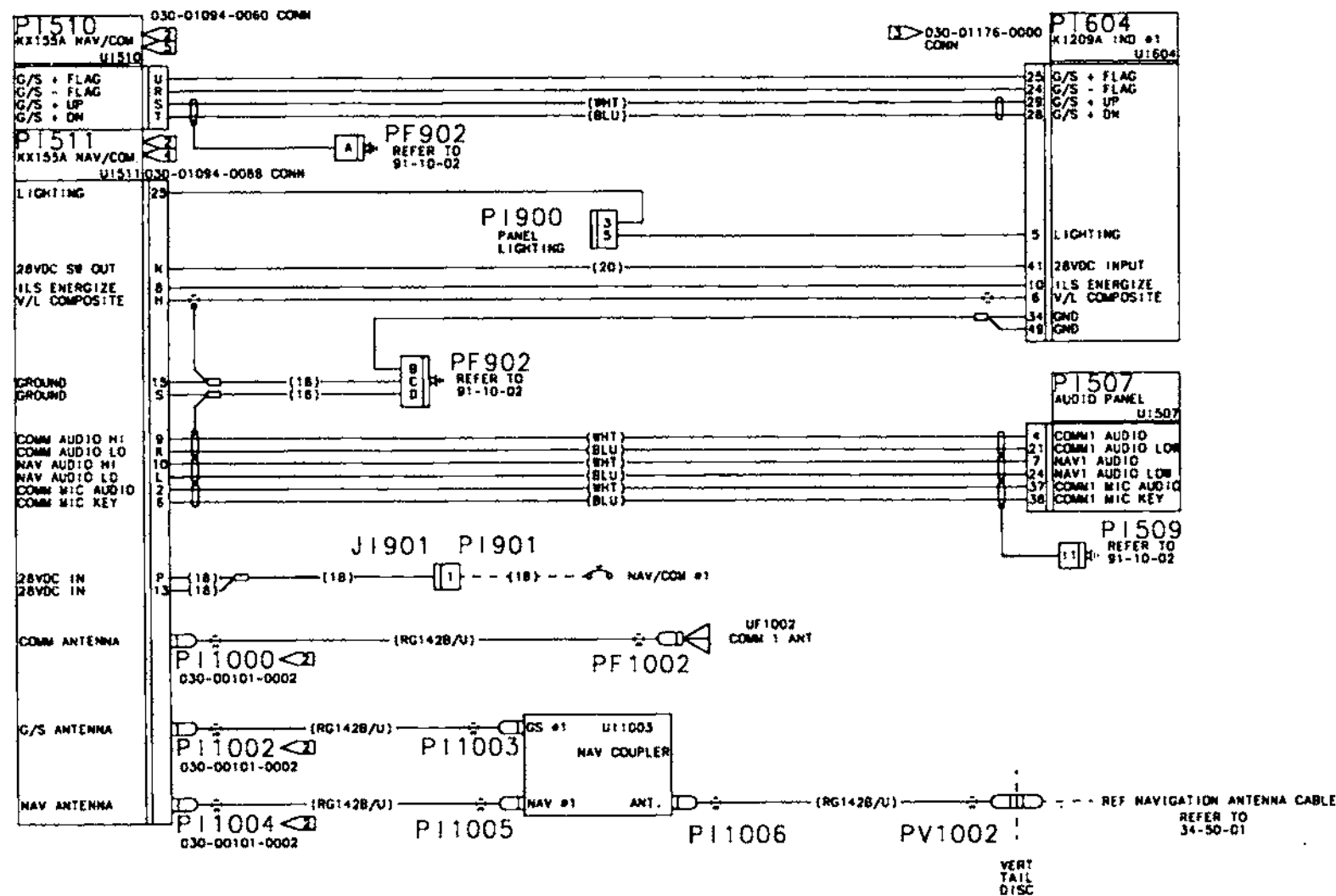
- ITEM NOT ILLUSTRATED

Figure 02

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

- NOTES:
- 1. ALL WIRE 22 GAUGE UNLESS OTHERWISE SPECIFIED.
 - 2. PART OF ALLIED SIGNAL INSTL KIT 050-03378-0000.
 - 3. PART OF ALLIED SIGNAL INSTL KIT 050-D1550-0001.
 - 4. INSTALL POLARIZING PIN BETWEEN PINS 3 & 4.
 - 5. INSTALL POLARIZING PIN BETWEEN PINS 1 & 2.



3921113A1

KX-155A NAV/COMM #1
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
01			KX-155A NAV/COMM #1 17280001 THRU 17280983 172S8001 THRU 172S8703 NAV II		
	J1901	S2350-3	CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01
		S2353-5	PIN		AR
	PF1002	UG913A/U	CONNECTOR COMM #1 ANTENNA COAX DISCONNECT (ZONE 210)		01
	PF902	SK2701	CONNECTOR GROUND (ZONE 221)	V28198	01
		FC116N2	CONTACT		AR
		FC120N2	CONTACT	V28198	AR
	PI1000	030-00101-0002	CONNECTOR KX155A NAV/COMM COAX DISCONNECT (ZONE 225)	V22373	01
	PI1002	030-00101-0002	CONNECTOR GLIDESLOPE ANTENNA (ZONE 225)	V22373	01
		050-03378-0000	CONNECTOR KIT		01
	PI1003	UG88C/U	CONNECTOR COMM 1 ANTENNA (ZONE 220)		01
		S3284-1	ALTERNATE FOR UG88C/U		01
	PI1004	030-00101-0002	CONNECTOR KX155A NAV/COMM DISCONNECT COAX (ZONE 225)	V22373	01
		050-03378-0001	CONNECTOR KIT		01
	PI1005	UG88C/U	CONNECTOR NAV 1 ANTENNA COUPLER (ZONE 220)		01
		S3284-1	ALTERNATE FOR UG88C/U		01
	PI1006	225555-6	CONNECTOR NAV/COMM ANTENNA COUPLER DISCONNECT (ZONE 220)	V00779	01
	PI507	050-03392-0000	CONNECTOR KIT AUDIO PANEL (ZONE 225)		01
	PI509	030-01094-0004	CONNECTOR AUDIO PANEL (ZONE 225)	V22373	01
	PI510	030-01094-0060	CONNECTOR KX155A NAV/COMM DISCONNECT (ZONE 225)		01
		050-03378-0000	CONNECTOR KIT		01
	PI511	030-01094-0088	CONNECTOR KX155A NAV/COMM DISCONNECT (ZONE 225)		01
		050-03378-0000	CONNECTOR KIT		01
		050-03378-0001	CONNECTOR KIT		01
	PI604	030-01176-0000	CONNECTOR KI209A INDICATOR DISCONNECT (ZONE 220)		01
		050-01550-0001	CONNECTOR KIT		01
	PI900	S3070-9	CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01
		LMD6106P	BUSSING MODULE	V49367	01
		LMS01T-TL	SPLICE CONNECTOR	V49367	01
		S2353-5	PIN		AR
	PI901	S2349-1	CONNECTOR AVIONICS CIRCUIT BREAKER PANEL (ZONE 224)		01
		S2099-3	CONTACT		AR
		S2099-4	CONTACT		AR
	PV1002	UG88C/U	CONNECTOR VERTICAL TAIL COAX DISCONNECT (ZONE 340)		01
		S3284-1	ALTERNATE FOR UG88C/U		01
	UF1002	CI-128A	ANTENNA COMM #1 (ZONE 210)	V51351	01
	UI1003	S2473-1	COUPLER NAV ANTENNA (ZONE 210)		01
	UI507	066-01155-0101	PANEL AUDIO (ZONE 225)	V22373 80001 80601	01
		066-01155-0201	ALTERNATE FOR 066-01155-0101	V22373	01
	UI507	066-01155-0201	PANEL AUDIO (ZONE 225)	V22373 80602 80720	01
				8001 8189	
	UI507	S3100-160	PANEL AUDIO (ZONE 225)	80721 80983	01
				8190 8703	
	UI510	069-01032-0101	NAV/COMM WITH GLIDESLOPE KX-155A (ZONE 210)	V22373 80001 80720	01
				8001 8189	
	UI510	S3100-155	NAV/COMM WITH GLIDESLOPE KX-155A (ZONE 210)	80721 80812	01
				8190 8319	
	UI510	S3100-178	NAV/COMM WITH GLIDESLOPE KX-155A (ZONE 210)	80813 & ON	01
				8320 & ON	
	UI511	069-01032-0201	NAV/COMM KX-155A (ZONE 211)	V22373 80001 80720	01
				8001 8189	
	UI511	S3100-156	NAV/COMM KX-155A (ZONE 211)	80721 80812	01
				8190 8319	
	UI511	S3100-179	NAV/COMM KX-155A (ZONE 211)	80813 & ON	01
				8320 & ON	

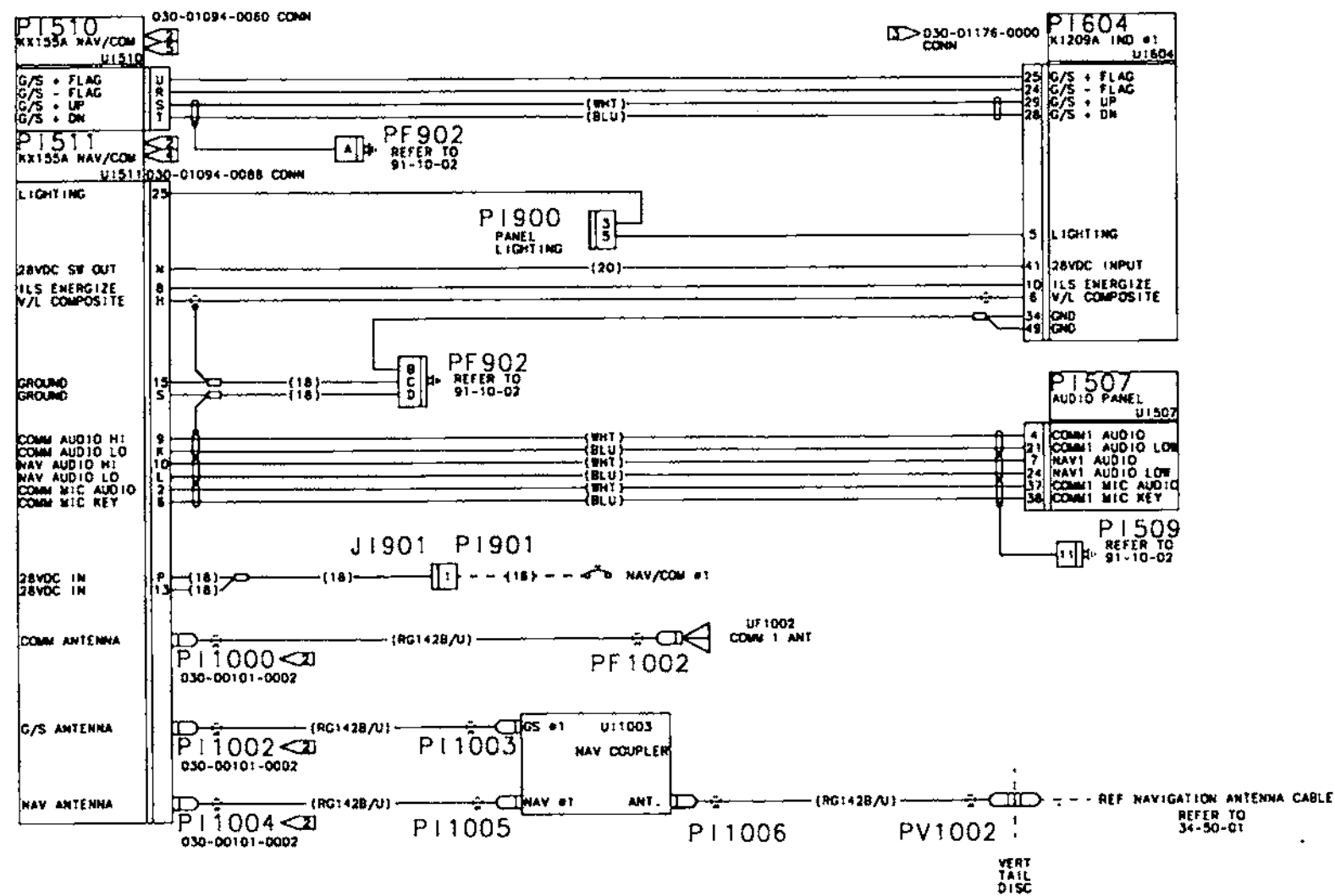
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Figure 01

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

NOTES:
1. ALL WIRE 22 GAUGE UNLESS OTHERWISE SPECIFIED.
2. PART OF ALLIED SIGNAL INSTL KIT 050-03378-0000.
3. PART OF ALLIED SIGNAL INSTL KIT 050-01550-0001.
4. INSTALL POLARIZING PIN BETWEEN PINS 3 & 4.
5. INSTALL POLARIZING PIN BETWEEN PINS 1 & 2.



3921113A1

KX-155A NAV/COMM #1
Figure 01 (Sheet 1)

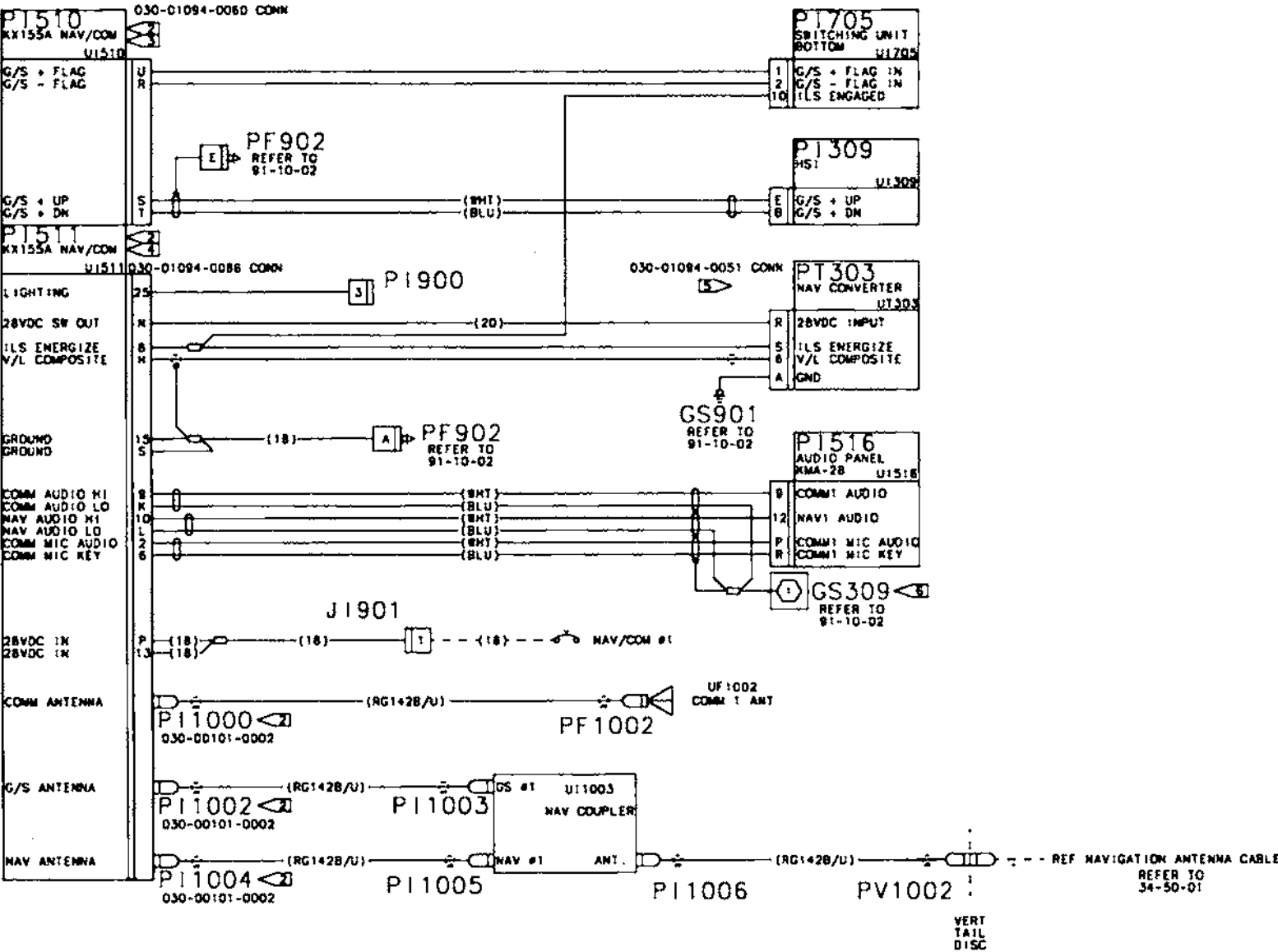
CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	EFFECTIVITY		UNITS PER ASSY
			FROM	TO	
UI604	S3100-158	INDICATOR KI-209A (ZONE 210)	80780 8262	& ON & ON	01

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

NOTES:
 1. ALL WIRES 22 GAUGE UNLESS OTHERWISE SPECIFIED.
 2. PART OF ALLIED SIGNAL INSTL KIT 050-03378-0000.
 3. INSTALL POLARIZING PIN BETWEEN PINS 1 & 2.
 4. INSTALL POLARIZING PIN BETWEEN PINS 3 & 4.
 5. PART OF ALLIED SIGNAL INSTL KIT 050-01555-0000
 6. GROUND STUD IS LOCATED ON THE BACK OF THE AUDIO PANEL RACK



3921139_1

KX-155A NAV/COMM #1
 Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

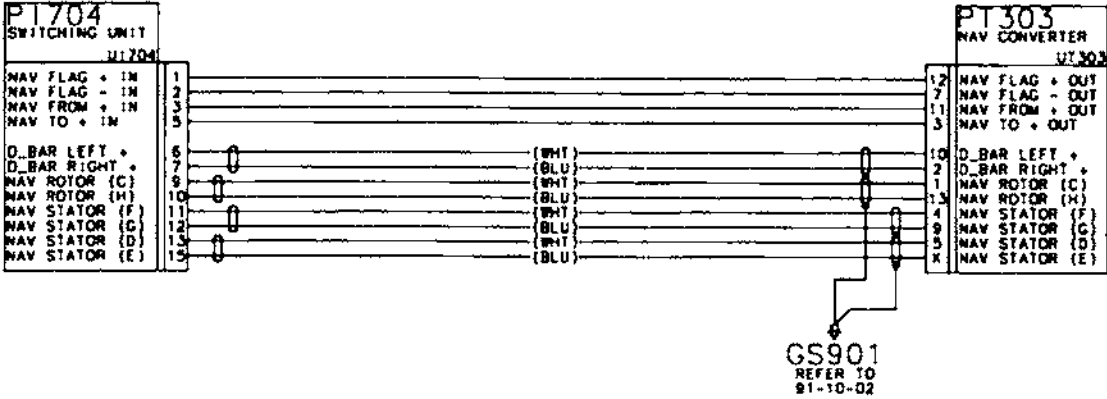
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
		1 2 3 4 5 6 7			
02			KX-155A NAV/COMM #1		
			17280984 THRU 17281097		
			172S8704 THRU 172S9062		
			NAV II W/HSI, ADF, MFD		
GS309	3910276-2		GROUND STUD (ZONE 225)		01 R
GS901	3910276-2		GROUND STUD (ZONE 310)		01
JI901	S2350-3		CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01
-	S2353-5		PIN		AR
PF1002	UG913A/U		CONNECTOR COMM #1 ANTENNA COAX DISCONNECT (ZONE 210)		01
PF902	SK2701		CONNECTOR GROUND (ZONE 221)	V28198	01
-	FC116N2		CONTACT		AR
-	FC120N2		CONTACT	V28198	AR
PI1000	030-00101-0002		CONNECTOR KX155A NAV/COMM COAX DISCONNECT (ZONE 225)	V22373	01
PI1002	030-00101-0002		CONNECTOR GLIDESLOPE ANTENNA (ZONE 225)	V22373	01
-	050-03378-0000		CONNECTOR KIT		01
PI1003	UG88C/U		CONNECTOR COMM 1 ANTENNA (ZONE 220)		01
-	S3284-1		ALTERNATE FOR UG88C/U		01
PI1004	030-00101-0002		CONNECTOR KX155A NAV/COMM DISCONNECT COAX (ZONE 225)	V22373	01
-	050-03378-0001		CONNECTOR KIT		01
PI1005	UG88C/U		CONNECTOR NAV 1 ANTENNA COUPLER (ZONE 220)		01
-	S3284-1		ALTERNATE FOR UG88C/U		01
PI1006	225555-6		CONNECTOR NAV/COMM ANTENNA COUPLER DISCONNECT (ZONE 220)	V00779	01
PI309	030-02178-0000		CONNECTOR HORIZONTAL SITUATION INDICATOR (ZONE 220)		01
-	050-01344-0002		CONNECTOR KIT		01
-	S2800-216		BACKSHELL		01
PI510	030-01094-0060		CONNECTOR KX155A NAV/COMM DISCONNECT (ZONE 225)		01
-	050-03378-0000		CONNECTOR KIT		01
PI511	030-01094-0088		CONNECTOR KX155A NAV/COMM DISCONNECT (ZONE 225)		01
-	050-03378-0000		CONNECTOR KIT		01
-	050-03378-0001		CONNECTOR KIT		01
PI516	030-01094-0058		CONNECTOR AUDIO PANEL DISCONNECT (ZONE 225)		01
-	050-03613-0001		CONNECTOR KIT		01
PI705	RD50M10JVL0		CONNECTOR RELAY SWITCHING UNIT (ZONE 221)	V28198 80694 & ON 8113 & ON	01
PI900	S3070-9		CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01
-	LMD6106P		BUSSING MODULE	V49367	01
-	LMS01T-TL		SPLICE CONNECTOR	V49367	01
-	S2353-5		PIN		AR
PT303	030-01094-0051		CONNECTOR NAVIGATION CONVERTER (ZONE 310)		01
-	050-01555-0000		CONNECTOR KIT		01
PV1002	UG88C/U		CONNECTOR VERTICAL TAIL COAX DISCONNECT (ZONE 340)		01
-	S3284-1		ALTERNATE FOR UG88C/U		01
UF1002	CI-128A		ANTENNA COMM #1 (ZONE 210)	V51351	01
UI1003	S2473-1		COUPLER NAV ANTENNA (ZONE 210)		01
UI309	066-3046-07		INDICATOR HSI	V22373	01
UI510	S3100-178		NAV/COMM WITH GLIDESLOPE KX-155A (ZONE 210)	80813 & ON 8320 & ON	01
UI511	S3100-179		NAV/COMM KX-155A (ZONE 211)	80813 & ON 8320 & ON	01
UI516	3910310-19		AUDIO PANEL KMA-28	80984 & ON 8704 & ON	01
UI705			SWITCHING UNIT		RF
UT303	066-4009-00		CONVERTER NAV (ZONE 310)	V22373	01

- ITEM NOT ILLUSTRATED

Figure 02

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



3921139_2

KX-155A NAV/COMM #1
Figure 02 (Sheet 2)

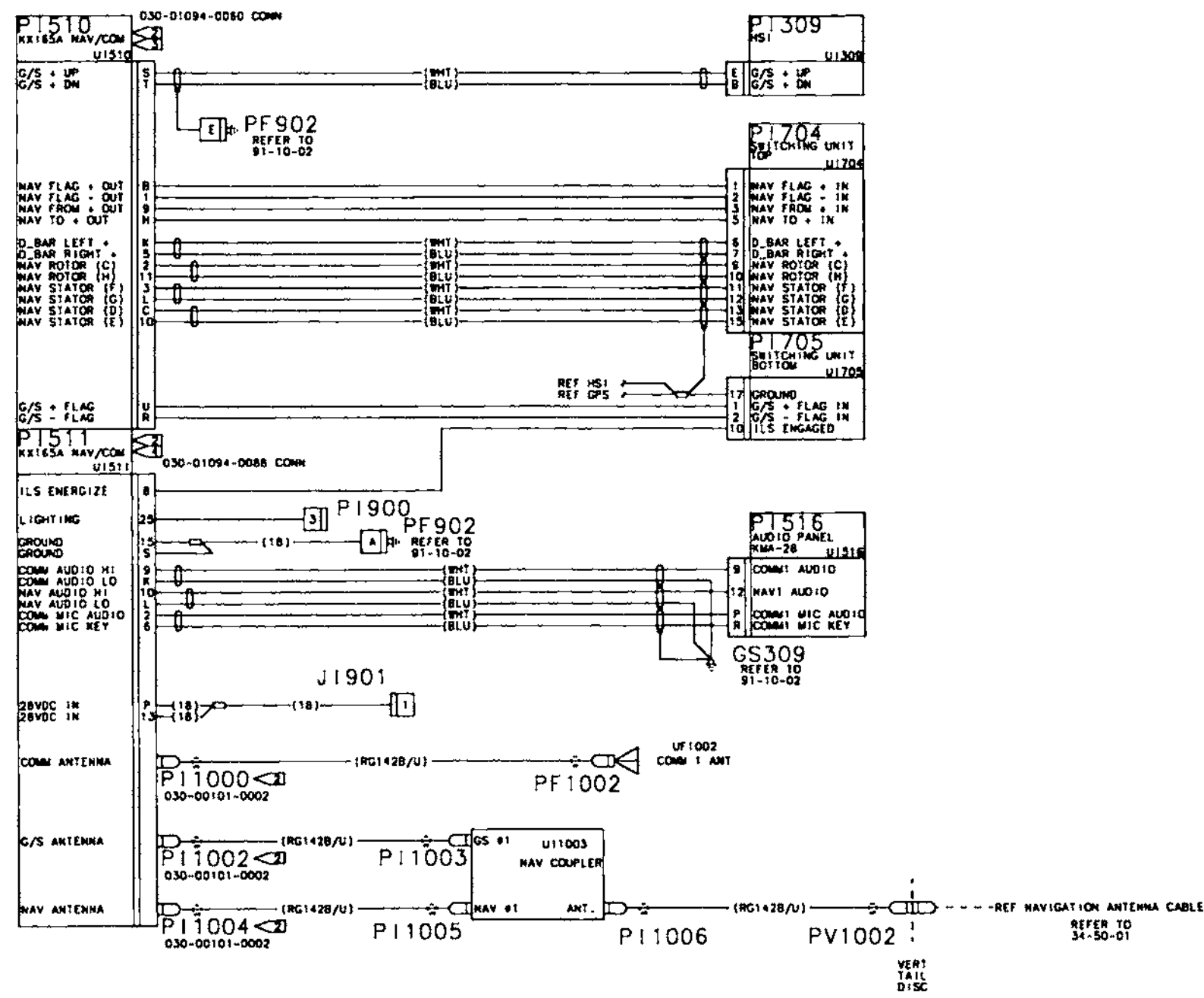
CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
		1234567		
02		KX-155A NAV/COMM #1 17280984 THRU 17281097 172S8704 THRU 172S9062 NAV II W/HSI, ADF, MFD		
GS901	3910276-2	GROUND STUD (ZONE 310)		01
PI704	RD50F10JVL0	CONNECTOR RELAY SWITCHING UNIT (ZONE 221)	V28198 80694 & ON 8113 & ON	01
PT303	030-01094-0051 050-01555-0000	CONNECTOR NAVIGATION CONVERTER (ZONE 310) CONNECTOR KIT		01 01
UI704		SWITCHING UNIT		RF
UT303	066-4009-00	CONVERTER NAV (ZONE 310)	V22373	01

· ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

NOTES:
1. ALL WIRES 22 GAUGE UNLESS OTHERWISE SPECIFIED
2. PART OF KX-165A INSTL KIT 050-03378-0000
3. INSTALL POLARIZING PIN BETWEEN PINS 3 & 4



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KX-165A NAV/COMM #1
Figure 03 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
03			KX-165A NAV/COMM #1		
			17281098 & ON		
			172S9063 & ON		
			NAV II W/HSI		
GS309	3910276-2		GROUND STUD (ZONE 225)		01
J1901	S2350-3		CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01
	S2353-5		PIN		AR
PF1002	UG913AVU		CONNECTOR COMM #1 ANTENNA COAX DISCONNECT (ZONE 210)		01
PF902	SK2701		CONNECTOR GROUND (ZONE 221)	V28198	01
	FC116N2		CONTACT		AR
	FC120N2		CONTACT	V28198	AR
PI1000	030-00101-0002		CONNECTOR KX155A NAV/COMM COAX DISCONNECT (ZONE 225)	V22373	01
PI1002	030-00101-0002		CONNECTOR GLIDESLOPE ANTENNA (ZONE 225)	V22373	01
	050-03378-0000		CONNECTOR KIT		01
PI1003	UG88C/U		CONNECTOR COMM 1 ANTENNA (ZONE 220)		01
	S3284-1		ALTERNATE FOR UG88C/U		01
PI1004	030-00101-0002		CONNECTOR KX155A NAV/COMM DISCONNECT COAX (ZONE 225)	V22373	01
	050-03378-0001		CONNECTOR KIT		01
PI1005	UG88C/U		CONNECTOR NAV 1 ANTENNA COUPLER (ZONE 220)		01
	S3284-1		ALTERNATE FOR UG88C/U		01
PI1006	225555-6		CONNECTOR NAV/COMM ANTENNA COUPLER DISCONNECT (ZONE 220)	V00779	01
PI309	030-02178-0000		CONNECTOR HORIZONTAL SITUATION INDICATOR (ZONE 220)		01
	050-01344-0002		CONNECTOR KIT		01
	S2800-216		BACKSHELL		01
PI510	030-01094-0060		CONNECTOR KX155A NAV/COMM DISCONNECT (ZONE 225)		01
	050-03378-0000		CONNECTOR KIT		01
PI511	030-01094-0088		CONNECTOR KX155A NAV/COMM DISCONNECT (ZONE 225)		01
	050-03378-0000		CONNECTOR KIT		01
	050-03378-0001		CONNECTOR KIT		01
PI516	030-01094-0058		CONNECTOR AUDIO PANEL DISCONNECT (ZONE 225)		01
	050-03613-0001		CONNECTOR KIT		01
PI704	RD50F10JVL0		CONNECTOR RELAY SWITCHING UNIT (ZONE 221)	V28198 80694 & ON	01
				8113 & ON	
PI705	RD50M10JVL0		CONNECTOR RELAY SWITCHING UNIT (ZONE 221)	V28198 80694 & ON	01
				8113 & ON	
PI900	S3070-9		CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01
	LMD6106P		BUSSING MODULE	V49367	01
	LMS01T-TL		SPLICE CONNECTOR	V49367	01
	S2353-5		PIN		AR
PV1002	UG88C/U		CONNECTOR VERTICAL TAIL COAX DISCONNECT (ZONE 340)		01
	S3284-1		ALTERNATE FOR UG88C/U		01
UF1002	CI-128A		ANTENNA COMM #1 (ZONE 210)	V51351	01 R
UI1003	S2473-1		COUPLER NAV ANTENNA (ZONE 210)		01
UI309	066-3046-07		INDICATOR HSI	V22373	01
UI510	S3100-178		NAV/COMM WITH GLIDESLOPE KX-155A (ZONE 210)	80813 & ON	01
				8320 & ON	
UI511	S3100-179		NAV/COMM KX-155A (ZONE 211)	80813 & ON	01
				8320 & ON	
UI516	3910310-19		AUDIO PANEL KMA-28	80984 & ON	01
				8704 & ON	
UI704			SWITCHING UNIT		RF
UI705			SWITCHING UNIT		RF

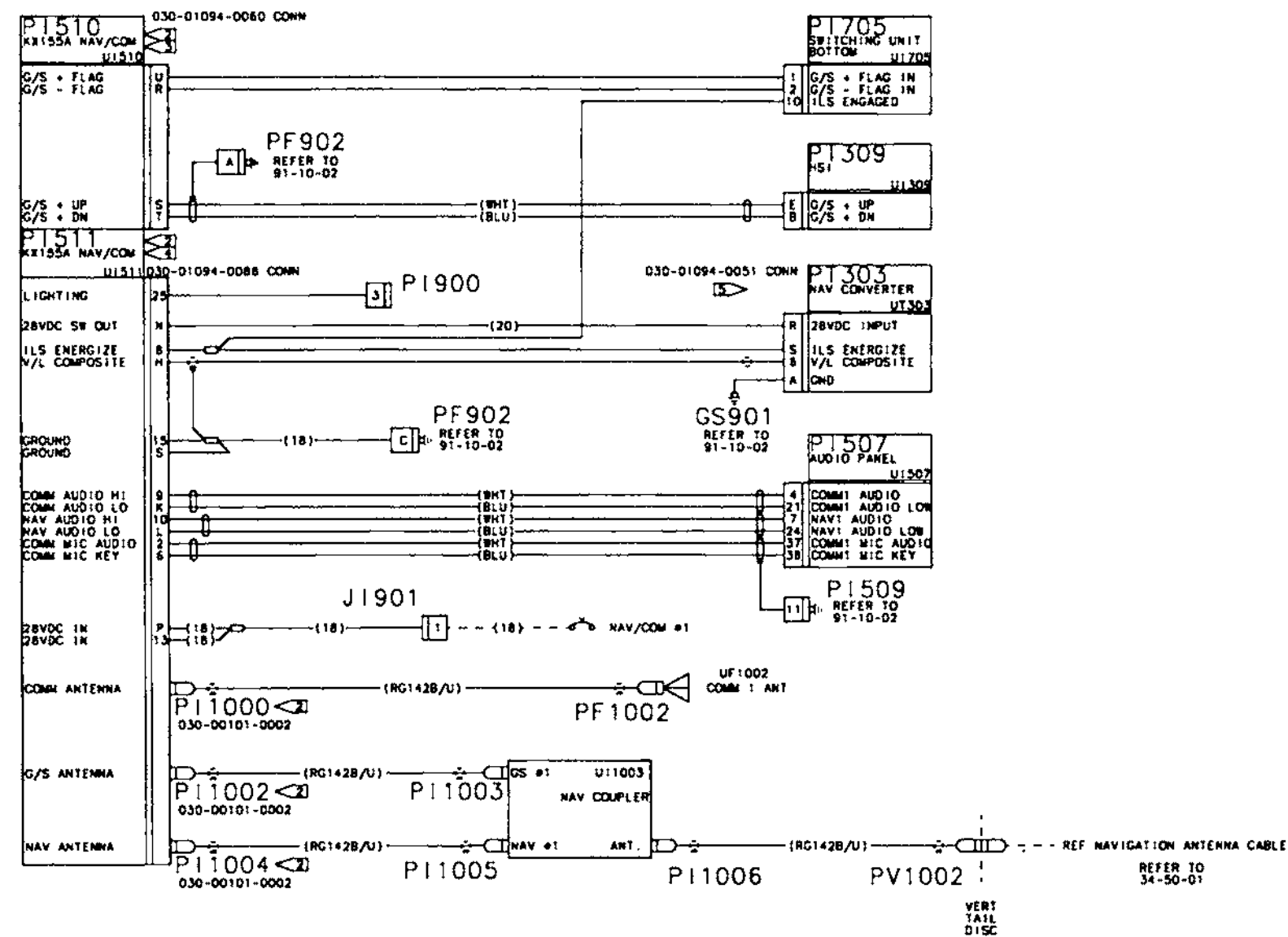
- ITEM NOT ILLUSTRATED

Figure 03

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

NOTES:
1 ALL WIRE 22 GAUGE UNLESS OTHERWISE SPECIFIED.
2 PART OF ALLIED SIGNAL INSTL KIT 050-03378-0000.
3 INSTALL POLARIZING PIN BETWEEN PINS 1 & 2.
4 INSTALL POLARIZING PIN BETWEEN PINS 3 & 4.
5 PART OF ALLIED SIGNAL INSTL KIT 050-01555-0000



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KX-155A NAV/COMM #1
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
01			KX-155A NAV/COMM #1		
			17280694 THRU 17280983		
			172S8113 THRU 172S8703		
			NAV II W/HSI		
GS901	3910276-2		GROUND STUD (ZONE 310)		01
J1901	S2350-3		CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01
	S2353-5		PIN		AR
PF1002	UG913A/U		CONNECTOR COMM #1 ANTENNA COAX DISCONNECT (ZONE 210)		01
PF902	SK2701		CONNECTOR GROUND (ZONE 221)	V28198	01
	FC116N2		CONTACT		AR
	FC120N2		CONTACT	V28198	AR
PI1000	030-00101-0002		CONNECTOR KX155A NAV/COMM COAX DISCONNECT (ZONE 225)	V22373	01
PI1002	030-00101-0002		CONNECTOR GLIDESLOPE ANTENNA (ZONE 225)	V22373	01
	050-03378-0000		CONNECTOR KIT		01
PI1003	UG88C/U		CONNECTOR COMM 1 ANTENNA (ZONE 220)		01
	S3284-1		ALTERNATE FOR UG88C/U		01
PI1004	030-00101-0002		CONNECTOR KX155A NAV/COMM DISCONNECT COAX (ZONE 225)	V22373	01
	050-03378-0001		CONNECTOR KIT		01
PI1005	UG88C/U		CONNECTOR NAV 1 ANTENNA COUPLER (ZONE 220)		01
	S3284-1		ALTERNATE FOR UG88C/U		01
PI1006	225555-6		CONNECTOR NAV/COMM ANTENNA COUPLER DISCONNECT (ZONE 220)	V00779	01
PI309	030-02178-0000		CONNECTOR HORIZONTAL SITUATION INDICATOR (ZONE 220)		01
	050-01344-0002		CONNECTOR KIT		01
	S2800-216		BACKSHELL		01
PI507	050-03392-0000		CONNECTOR KIT AUDIO PANEL (ZONE 225)		01
PI509	030-01094-0004		CONNECTOR AUDIO PANEL (ZONE 225)	V22373	01
PI510	030-01094-0060		CONNECTOR KX155A NAV/COMM DISCONNECT (ZONE 225)		01
	050-03378-0000		CONNECTOR KIT		01
PI511	030-01094-0088		CONNECTOR KX155A NAV/COMM DISCONNECT (ZONE 225)		01
	050-03378-0000		CONNECTOR KIT		01
	050-03378-0001		CONNECTOR KIT		01
PI705	RD50M10JVLD		CONNECTOR RELAY SWITCHING UNIT (ZONE 221)	V28198 80694 & ON 8113 & ON	01
PI900	S3070-9		CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01
	LMD6106P		BUSSING MODULE	V49367	01
	LMS01T-TL		SPLICE CONNECTOR	V49367	01
	S2353-5		PIN		AR
PT303	030-01094-0051		CONNECTOR NAVIGATION CONVERTER (ZONE 310)		01
	050-01555-0000		CONNECTOR KIT		01
PV1002	UG88C/U		CONNECTOR VERTICAL TAIL COAX DISCONNECT (ZONE 340)		01
	S3284-1		ALTERNATE FOR UG88C/U		01
UF1002	CI-128A		ANTENNA COMM #1 (ZONE 210)	V51351	01
UI1003	S2473-1		COUPLER NAV ANTENNA (ZONE 210)		01
UI309	066-3046-07		INDICATOR HSI	V22373	01
UI507	066-01155-0101		PANEL AUDIO (ZONE 225)	V22373 80001 80601	01
	066-01155-0201		ALTERNATE FOR 066-01155-0101	V22373	01
UI507	066-01155-0201		PANEL AUDIO (ZONE 225)	V22373 80602 80720 8001 8189 80721 80983 8190 8703	01
UI507	S3100-160		PANEL AUDIO (ZONE 225)		01
UI510	069-01032-0101		NAV/COMM WITH GLIDESLOPE KX-155A (ZONE 210)	V22373 80001 80720 8001 8189	01
UI510	S3100-155		NAV/COMM WITH GLIDESLOPE KX-155A (ZONE 210)	80721 80812 8190 8319	01
UI510	S3100-178		NAV/COMM WITH GLIDESLOPE KX-155A (ZONE 210)	80813 & ON 8320 & ON	01
UI511	069-01032-0201		NAV/COMM KX-155A (ZONE 211)	V22373 80001 80720 8001 8189	01

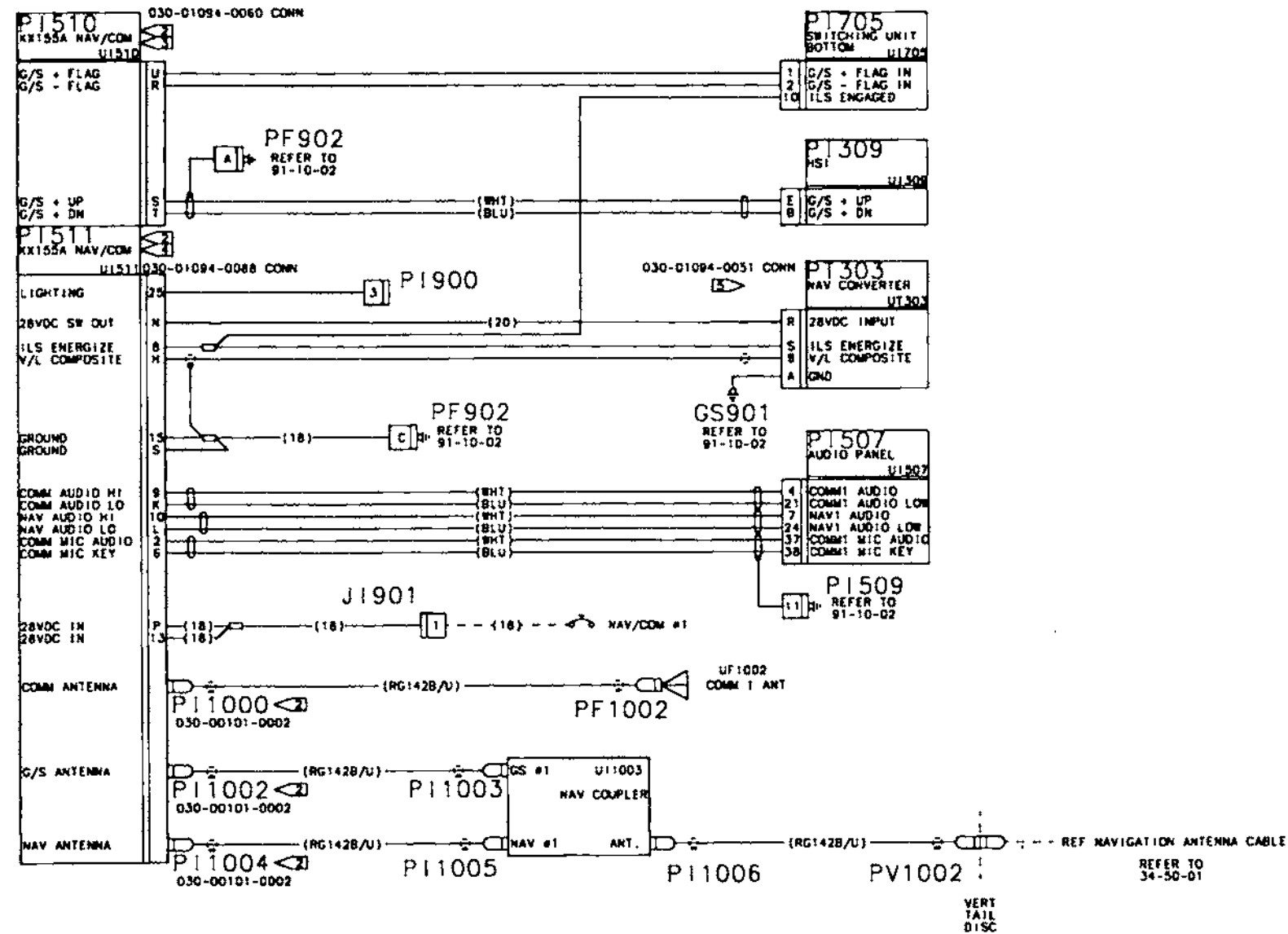
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Figure 01

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

- NOTES:
- 1 ALL WIRE 22 GAUGE UNLESS OTHERWISE SPECIFIED.
 - 2 PART OF ALLIED SIGNAL INSTL KIT 050-03378-0000.
 - 3 INSTALL POLARIZING PIN BETWEEN PINS 1 & 2.
 - 4 INSTALL POLARIZING PIN BETWEEN PINS 3 & 4.
 - 5 PART OF ALLIED SIGNAL INSTL KIT 050-01555-0000



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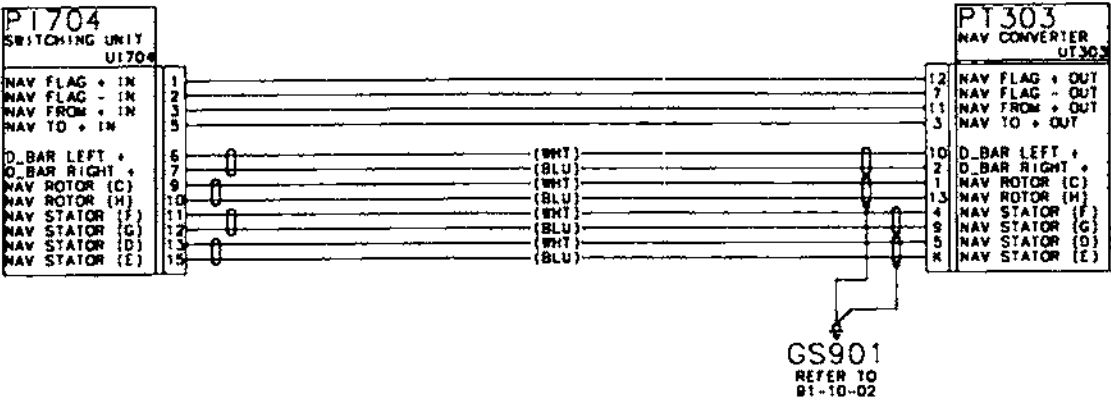
KX-155A NAV/COMM #1
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY		UNITS PER ASSY
			FROM	TO	
		1 2 3 4 5 6 7			
UI511	S3100-156	NAV/COMM KX-155A (ZONE 211)	80721	80812	01
			8190	8319	
UI511	S3100-179	NAV/COMM KX-155A (ZONE 211)	80813	& ON	01
			8320	& ON	
UI705		SWITCHING UNIT			RF
UT303	066-4009-00	CONVERTER NAV (ZONE 310)	V22373		01

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



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KX-155A NAV/COMM #1
Figure 01 (Sheet 2)

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
01			KX-155A NAV/COMM #1 17280694 THRU 17280983 172S8113 THRU 172S8703 NAV II W/HSI		
	GS901	3910276-2	GROUND STUD (ZONE 310)		01
	PI704	RD50F10JVL0	CONNECTOR RELAY SWITCHING UNIT (ZONE 221)	V28198 80694 & ON 8113 & ON	01
	PT303	030-01094-0051	CONNECTOR NAVIGATION CONVERTER (ZONE 310)		01
		050-01555-0000	CONNECTOR KIT		01
	UI704		SWITCHING UNIT		RF
	UT303	066-4009-00	CONVERTER NAV (ZONE 310)	V22373	01

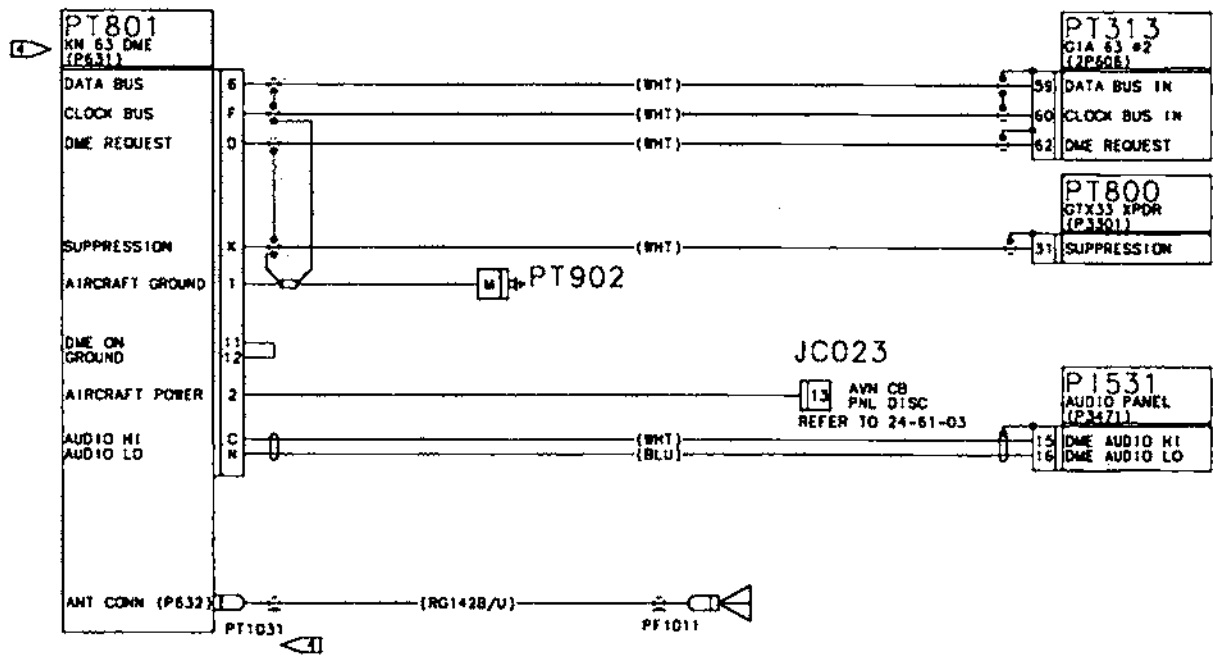
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Figure 01

Page 5

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

- NOTES:
- 1. ALL WIRE 22GAUGE UNLESS OTHERWISE NOTED.
 - 2. THE FOLLOWING SPECS ARE PART OF THIS DRAWING:
CSAM012 SHIELDED CABLE INSTALLATIONS
CES2716 WIRE TERMINATIONS
 - 3. AFFIX CM2987-3 ID TAGS NEAR CONNECTORS (A/R).
 - 4. PART OF DME INSTL KIT 050-01756-0001.



BENDIX KING KN 63 DME
Figure 01 (Sheet 1)

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CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

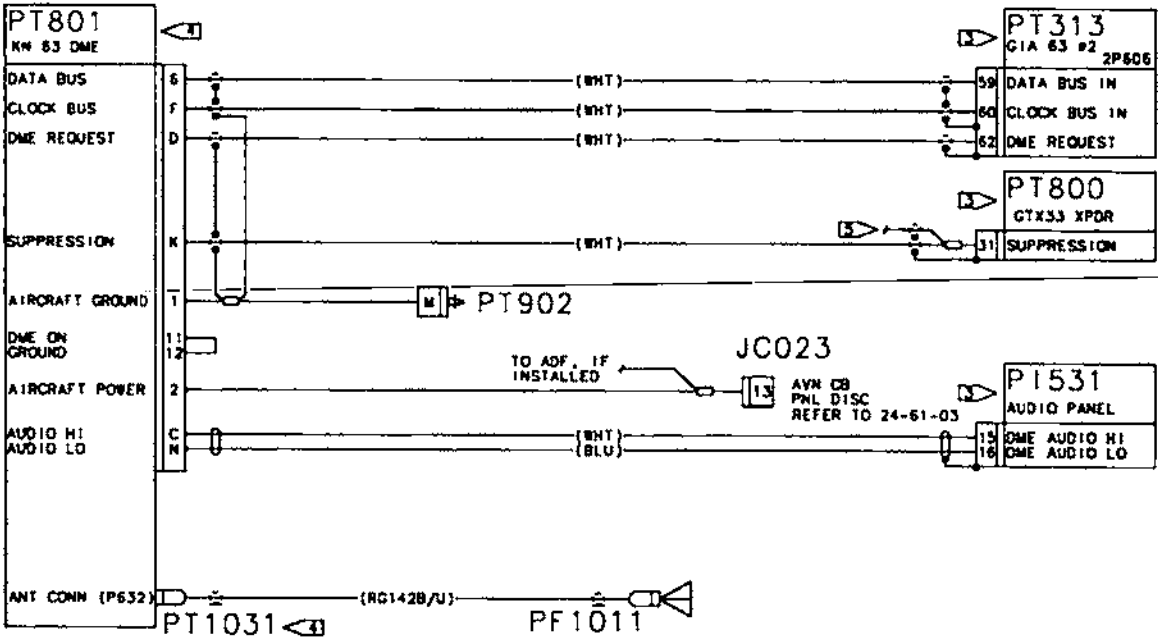
FIG REF DES	PART NUMBER	NOMENCLATURE							EFFECTIVITY		UNITS PER ASSY
		1	2	3	4	5	6	7	FROM	TO	
01		BENDIX KING KN 63 DME 17281272 THRU 17281356 172S10102 THRU 172S10431									
JC023	S2350-10	CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)							81241	& ON	01
									9810	& ON	
	S2353-5	. . . PIN									AR
PF1011	UG88C/U	CONNECTOR BNC.									01
PI531		CONNECTOR AUDIO PANEL							81241	& ON	RF
		PART OF GARMIN KIT 011-00813-00							9810	& ON	
PT1031	030-00005-0000	CONNECTOR BNC.									01
		PART OF DME KIT 050-01766-0001									
PT313	330-00185-78	CONNECTOR INTEGRATED AVIONICS BOX 2							81241	& ON	01
		PART OF GARMIN KIT 011-01000-00							9810	& ON	
PT800		CONNECTOR GTX33 TRANSPONDER							81241	& ON	RF
									9810	& ON	
PT801	030-01094-0056	CONNECTOR KN 63 DME							81241	& ON	01
		PART OF DME KIT 050-01766-0001							9810	& ON	
	030-01107-0015	. . . CONTACTS									AR
	088-00752-0000	. . . BACKSHELL									01
	089-06541-0000	. . . SCREW									01
PT902	SK2701	CONNECTOR GROUND							81241	& ON	01
									9810	& ON	
	FC120N2	. . . CONTACT									AR

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

NOTES:

- 1. ALL WIRE 22GAUGE UNLESS OTHERWISE NOTED.
- 2. THE FOLLOWING SPECS ARE PART OF THIS DRAWING:
CSAM012 SHIELDED CABLE INSTALLATIONS
CES2716 WIRE TERMINATIONS
- 3. GROUND SHIELDS TO THE BACKSHELL OF THE CONNECTOR USING THE GARNIN SUPPLIED GROUNDING LUGS ON THE CONNECTOR. SHIELD WIRES SHOULD BE NO LONGER THAN 3". REFER TO GARNIN DOCUMENT 190-00313-09 FOR SHIELD BLOCK INSTALLATION INSTRUCTIONS.
- 4. PART OF DME INSTL KIT 030-01766-0001.
- 5. TO TAS SYSTEM, IF INSTALLED.



HONEYWELL KN 63 DME
Figure 02 (Sheet 1)

3923122A1

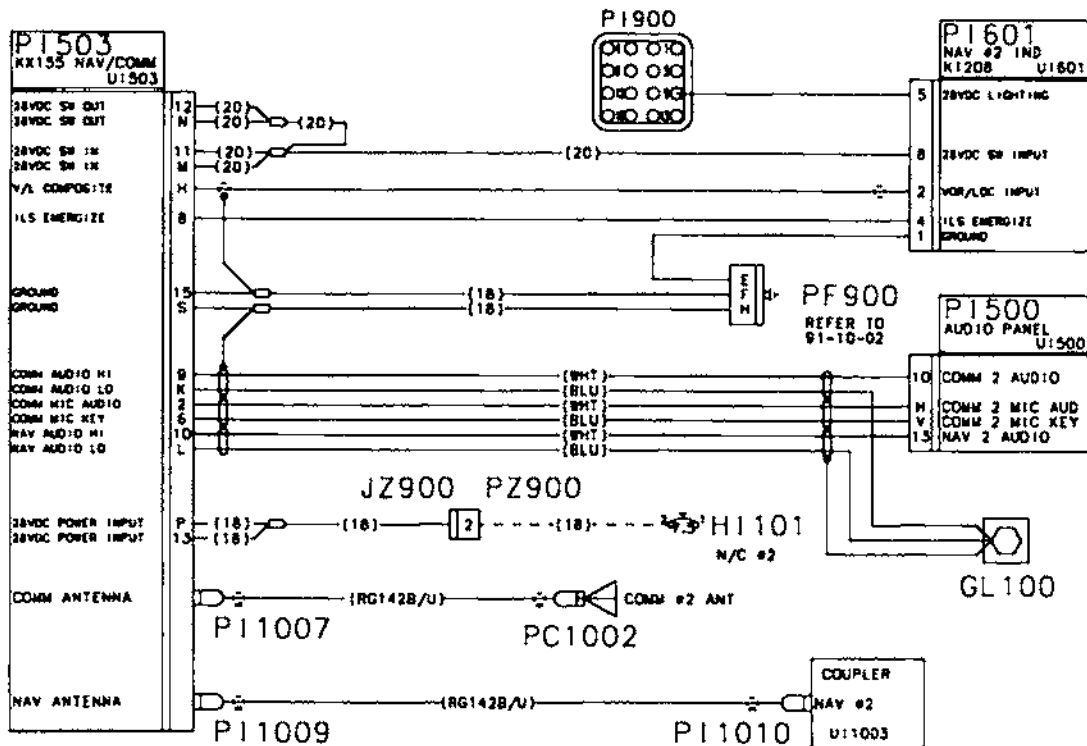
CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES		1 2 3 4 5 6 7		FROM TO	PER ASSY
02			HONEYWELL KN 63 DME 17281357 & ON 172S10432 & ON		
JC023	S2350-10		CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)	81241 & ON 9810 & ON	01 R
-	S2353-5		. . . PIN		AR R
PF1011	UG88C/U		CONNECTOR BNC		01 R
PI531			CONNECTOR AUDIO PANEL	81241 & ON 9810 & ON	RF R
PT1031	030-00005-0000		PART OF GARMIN KIT 011-00813-00 CONNECTOR BNC		01 R
PT313	330-00185-78		PART OF DME KIT 050-01766-0001 CONNECTOR INTEGRATED AVIONICS BOX 2	81241 & ON 9810 & ON	01 R
PT800			PART OF GARMIN KIT 011-01000-00 CONNECTOR GTX33 TRANSPONDER	81241 & ON 9810 & ON	RF R
PT801	030-01094-0056		CONNECTOR KN 63 DME	81241 & ON 9810 & ON	01 R
-	030-01107-0015		PART OF DME KIT 050-01766-0001 . . . CONTACTS		AR R
-	088-00752-0000		. . . BACKSHELL		01 R
-	089-06541-0000		. . . SCREW		01 R
PT902	SK2701		CONNECTOR GROUND	81241 & ON 9810 & ON	01 R
-	FC120N2		. . . CONTACT		AR R

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

NOTES:
 1. ALL WIRE 22 GAUGE UNLESS OTHERWISE SPECIFIED.



3921101A1

KX-155 NAV/COMM #2
 Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

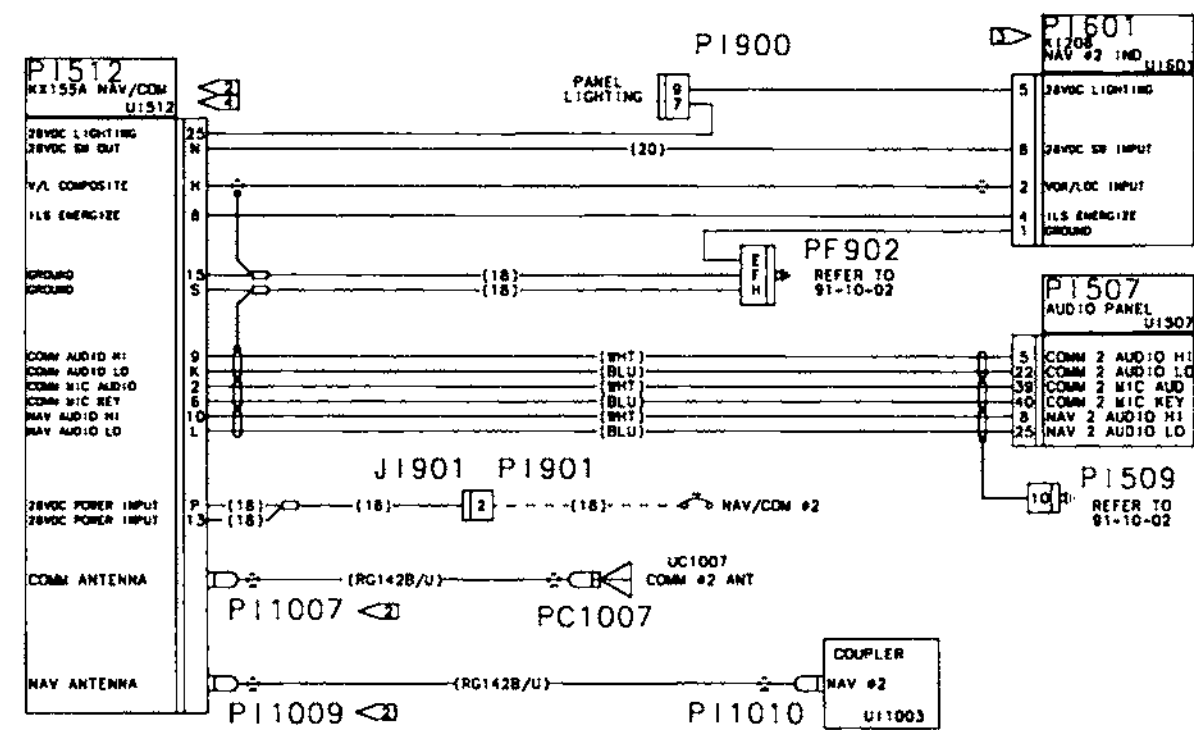
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
01			KX-155 NAV/COMM #2		
			17280001 THRU 17280003		
			W/KI208 INDICATOR		
	GL100	008-0041-00	GROUND	V22373	01 R
	JZ900	S2350-3	CONNECTOR (ZONE 220)		01 R
-		S2353-4	PINS		AR R
-		S2353-5	PINS		AR R
	PC1002	UG88C/U	CONNECTOR COMM #2 ANTENNA (ZONE 210)		01 R
	PF900	S2526-1	CONNECTOR GROUND (ZONE 221)		01 R
-		203618-1	SCREW	V00779	02 R
-		S2099-4	CONTACT		04 R
	PI1007	030-00101-0002	CONNECTOR KX155A NAV/COMM COAX DISCONNECT (ZONE 225)	V22373	01
-		050-03378-0001	CONNECTOR KIT		01
	PI1009	030-00101-0002	CONNECTOR NAV UNIT ANTENNA DISCONNECT (ZONE 225)	V22373	01
-		050-03378-0001	CONNECTOR KIT		01
	PI1010	UG88C/U	CONNECTOR NAV COUPLER DISCONNECT (ZONE 220)		01
-		S3284-1	ALTERNATE FOR UG88C/U		01
	PI500	030-1094-58	PANEL AUDIO (ZONE 225)	V22373	01 R
-		030-1107-46	PIN	V22373	AR R
	PI503	030-01094-059	CONNECTOR KX-155 NAV/COMM #2 (ZONE 225)		01 R
-		030-01107-0030	PIN		AR R
	PI601	030-02227-0005	CONNECTOR KI208 INDICATOR DISCONNECT (ZONE 220)		01
-		030-01550-0000	CONNECTOR KIT		01
	PI900	S3070-9	CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01
-		LMD6106P	BUSSING MODULE	V49367	01
-		LMS01T-TL	SPLICE CONNECTOR	V49367	01
-		S2353-5	PIN		AR
	PZ900	S2349-1	CONNECTOR WING LEVELER DISCONNECT (ZONE 220)		01 R
-		S2099-3	CONTACTS		AR R
-		S2099-4	CONTACTS		AR R
	UI1003	S2473-1	COUPLER NAV ANTENNA (ZONE 210)		01
	UI500		PANEL AUDIO		RF R
	UI503	S3100-157	INDICATOR KI208 NAV		01 R
	UI601	S3100-157	INDICATOR KI208 NAV (ZONE 211)		01

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

NOTES:
1. ALL WIRE 22 GAUGE UNLESS OTHERWISE SPECIFIED.
2. PART OF ALLIED SIGNAL INSTL KIT 050-03378-0001.
3. PART OF ALLIED SIGNAL INSTL KIT 050-01550-0000.
4. INSTALL POLARIZING PIN BETWEEN PINS 3 & 4.



KX-155A NAV/COMM #2
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
			1 2 3 4 5 6 7		
02			KX-155A NAV/COMM #2		
			17280004 THRU 17280983		
			172S8001 THRU 172S8703		
			NAV I, NAV II, NAV II W/HSI		
	J1901	S2350-3	CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01
		S2353-5	PIN		AR
	PC1007	UG913A/U	CONNECTOR COMM #2 ANTENNA COAX DISCONNECT (ZONE 340)		01
	PF902	SK2701	CONNECTOR GROUND (ZONE 221)	V28198	01
		FC116N2	CONTACT		AR
		FC120N2	CONTACT	V28198	AR
	PI1007	030-00101-0002	CONNECTOR KX155A NAV/COMM COAX DISCONNECT (ZONE 225)	V22373	01
		050-03378-0001	CONNECTOR KIT		01
	PI1009	030-00101-0002	CONNECTOR NAV UNIT ANTENNA DISCONNECT (ZONE 225)	V22373	01
		050-03378-0001	CONNECTOR KIT		01
	PI1010	UG88C/U	CONNECTOR NAV COUPLER DISCONNECT (ZONE 220)		01
		S3284-1	ALTERNATE FOR UG88C/U		01
	PI507	050-03392-0000	CONNECTOR KIT AUDIO PANEL (ZONE 225)		01
	PI509	030-01094-0004	CONNECTOR AUDIO PANEL (ZONE 225)	V22373	01 R
	PI512	030-01094-0088	CONNECTOR (ZONE 225)		01
		050-03378-0001	CONNECTOR KIT		01
	PI601	030-02227-0005	CONNECTOR KI208 INDICATOR DISCONNECT (ZONE 220)		01
		030-01550-0000	CONNECTOR KIT		01
	PI900	S3070-9	CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01
		LMD6106P	BUSSING MODULE	V49367	01
		LMS01T-TL	SPLICE CONNECTOR	V49367	01
		S2353-5	PIN		AR
	PI901	S2349-1	CONNECTOR AVIONICS CIRCUIT BREAKER PANEL (ZONE 224)		01
		S2099-3	CONTACT		AR
		S2099-4	CONTACT		AR
	UC1007	CI-128A	ANTENNA COMM #2 (ZONE 210)	V51351	01
	UI1003	S2473-1	COUPLER NAV ANTENNA (ZONE 210)		01
	UI507	066-01155-0101	PANEL AUDIO (ZONE 225)	V22373	80001 80601 01
		066-01155-0201	ALTERNATE FOR 066-01155-0101	V22373	01
	UI507	066-01155-0201	PANEL AUDIO (ZONE 225)	V22373	80602 80720 01
				8001 8189	
	UI507	S3100-160	PANEL AUDIO (ZONE 225)		80721 80983 01
				8190 8703	
	UI512	069-01032-0201	NAV/COMM KX-155A (ZONE 211)	V22373	80001 80720 01
				8001 8189	
	UI512	S3100-156	NAV/COMM KX-155A (ZONE 211)		80721 80812 01
				8190 8319	
	UI512	S3100-179	NAV/COMM KX-155A (ZONE 211)		80813 & ON 01
				8320 & ON	
	UI601	S3100-157	INDICATOR KI208 NAV (ZONE 211)		01

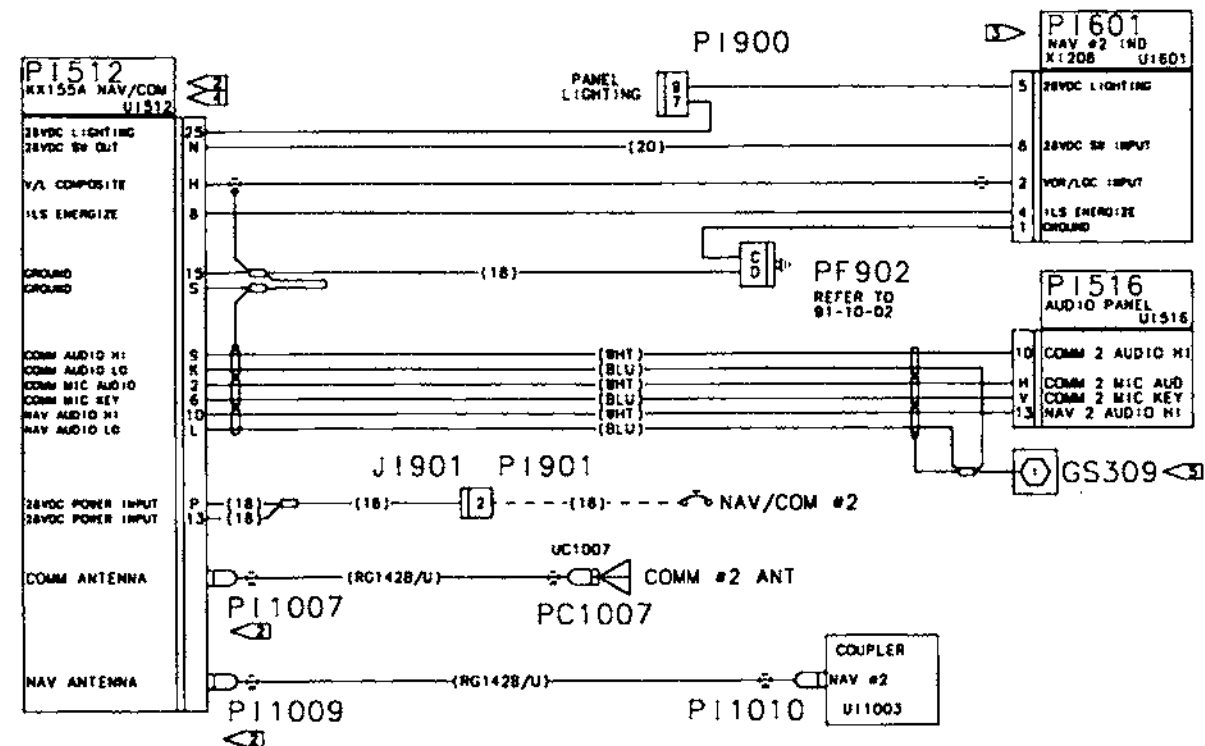
- ITEM NOT ILLUSTRATED

Figure 02

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

- NOTES:
- 1. ALL WIRE 22 GAUGE UNLESS OTHERWISE SPECIFIED.
 - 2. PART OF ALLIED SIGNAL INSTL KIT 050-03378-0001.
 - 3. PART OF ALLIED SIGNAL INSTL KIT 050-01550-0000.
 - 4. INSTALL POLARIZING PIN BETWEEN PINS 3 & 4.
 - 5. GROUND STUD LOCATED ON THE BACK OF THE AUDIO PANEL RACK



3921137_1

KX-155A NAV/COMM #2
Figure 03 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
03			KX-155A NAV/COMM #2		
			17280984 & ON		
			172S8704 & ON		
			NAV I, NAV I WADE, NAV II		
GS309	3910276-2		GROUND STUD (ZONE 225)		01
J1901	S2350-3		CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01
	S2353-5		PIN		AR
PC1007	UG913A/U		CONNECTOR COMM #2 ANTENNA COAX DISCONNECT (ZONE 340)		01
PF902	SK2701		CONNECTOR GROUND (ZONE 221)	V28198	01
	FC116N2		CONTACT		AR
	FC120N2		CONTACT	V28198	AR
PI1007	030-00101-0002		CONNECTOR KX155A NAV/COMM COAX DISCONNECT (ZONE 225)	V22373	01
	050-03378-0001		CONNECTOR KIT		01
PI1009	030-00101-0002		CONNECTOR NAV UNIT ANTENNA DISCONNECT (ZONE 225)	V22373	01
	050-03378-0001		CONNECTOR KIT		01
PI1010	UG88C/U		CONNECTOR NAV COUPLER DISCONNECT (ZONE 220)		01
	S3284-1		ALTERNATE FOR UG88C/U		01
PI512	030-01094-0088		CONNECTOR (ZONE 225)		01
	050-03378-0001		CONNECTOR KIT		01
PI516	030-01094-0058		CONNECTOR AUDIO PANEL DISCONNECT (ZONE 225)		01
	050-03613-0001		CONNECTOR KIT		01
PI601	030-02227-0005		CONNECTOR KI208 INDICATOR DISCONNECT (ZONE 220)		01
	030-01550-0000		CONNECTOR KIT		01
PI900	S3070-9		CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01
	LMD6106P		BUSSING MODULE	V49367	01
	LMS01T-TL		SPLICE CONNECTOR	V49367	01
	S2353-5		PIN		AR
PI901	S2349-1		CONNECTOR AVIONICS CIRCUIT BREAKER PANEL (ZONE 224)		01
	S2099-3		CONTACT		AR
	S2099-4		CONTACT		AR
UC1007	CI-128A		ANTENNA COMM #2 (ZONE 210)	V51351	01
UI1003	S2473-1		COUPLER NAV ANTENNA (ZONE 210)		01
UI512	S3100-179		NAV/COMM KX-155A (ZONE 211)	80813 & ON	01
				8320 & ON	
UI516	3910310-19		AUDIO PANEL KMA-28	80984 & ON	01
				8704 & ON	
UI601	S3100-157		INDICATOR KI208 NAV (ZONE 211)		01

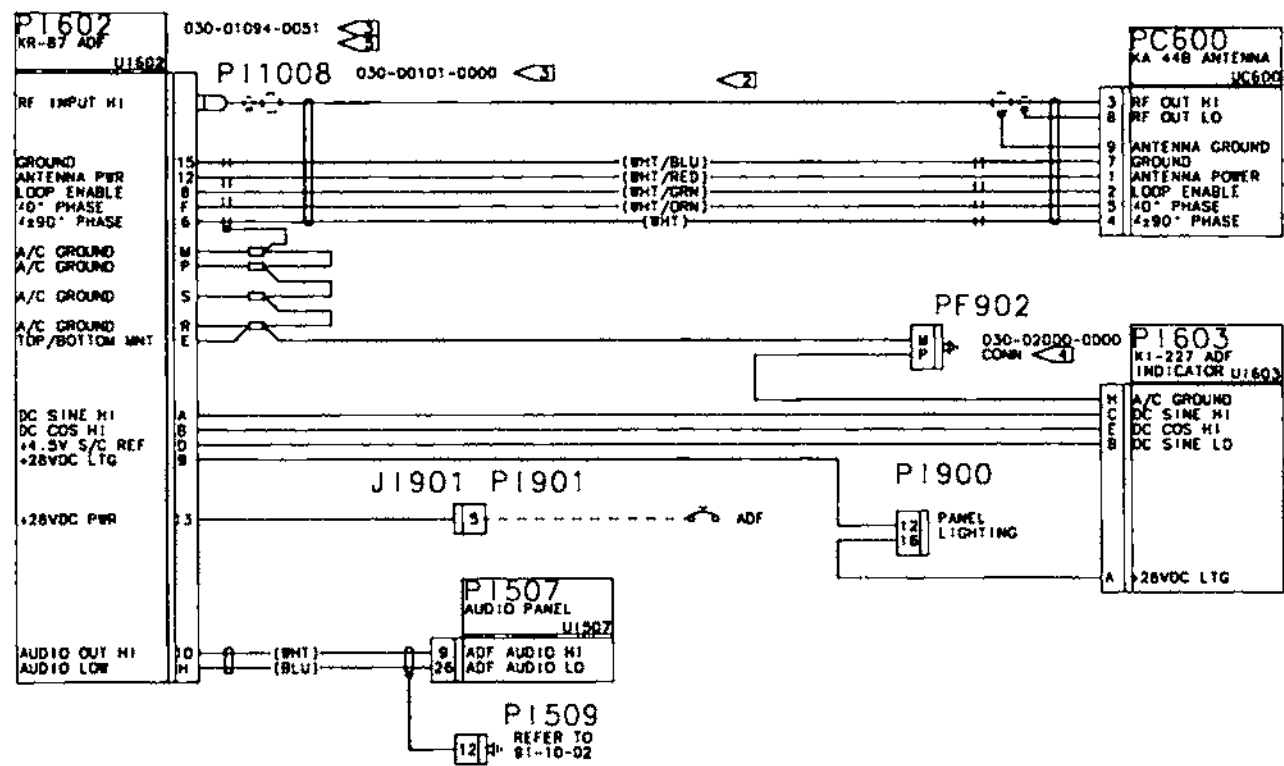
- ITEM NOT ILLUSTRATED

Figure 03

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

NOTES:
1 ALL WIRES 22 AWG, EXCEPT AS NOTED.
2 ANTENNA CABLE ASSY 200-02586-0004. INCLUDES THE
PC600 CONNECTOR.
3 PART OF ALLIED SIGNAL INSTL KIT 050-01758-0004.
4 PART OF ALLIED SIGNAL INSTL KIT 050-01808-0001.
5 INSTALL POLARIZING PIN BETWEEN PINS 5 & 6.



3922102A1

KR-87 AUTOMATIC DIRECTION FINDER
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
01			KR-87 AUTOMATIC DIRECTION FINDER		
			17280001 THRU 17280983		
			172S8001 THRU 172S8703		
			NAV I AND NAV II		
	J1901	S2350-3	CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01 R
		S2353-5	PIN		AR R
	PC600	MS27473E12F35P	CONNECTOR ADF ANTENNA DISCONNECT (ZONE 210)		01 R
	PF902	SK2701	CONNECTOR GROUND (ZONE 221)	V28198	01 R
		FC116N2	CONTACT		AR R
		FC120N2	CONTACT	V28198	AR R
	PI1008	030-00101-0000	CONNECTOR KR-87 ADF COAX (ZONE 225)	V22373	01 R
		050-01756-0004	CONNECTOR KIT		01 R
		076-01042-0001	FERRULE	V22373	AR R
	PI507	050-03392-0000	CONNECTOR KIT AUDIO PANEL (ZONE 225)		01 R
	PI509	030-01094-0004	CONNECTOR AUDIO PANEL (ZONE 225)	V22373	01 R
	PI602	09-50-6155	CONNECTOR KR-87 ADF DISCONNECT (ZONE 220)		01 R
		050-01756-0004	CONNECTOR KIT		01 R
		08-05-0302	CONTACT		AR R
		15-04-0233	POLARIZING PIN		AR R
	PI603	030-2000-0000	CONNECTOR KI-227 ADF INDICATOR DISCONNECT (ZONE 220)		01 R
		050-01808-0001	CONNECTOR KIT		01 R
	PI900	S3070-9	CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01 R
		LMD6106P	BUSSING MODULE	V49367	01 R
		LMS01T-TL	SPLICE CONNECTOR	V49367	01 R
		S2353-5	PIN		AR R
	PI901	S2349-1	CONNECTOR AVIONICS CIRCUIT BREAKER PANEL (ZONE 224)		01 R
		S2099-3	CONTACT		AR R
		S2099-4	CONTACT		AR R
	UC600	071-01234-0000	ANTENNA KA-44B ADF (ZONE 310)	V22373	01 R
	UI507	066-01155-0101	PANEL AUDIO (ZONE 225)	V22373 80001 80601	01 R
		066-01155-0201	ALTERNATE FOR 066-01155-0101	V22373	01 R
	UI507	066-01155-0201	PANEL AUDIO (ZONE 225)	V22373 80602 80720	01 R
				8001 8189	
	UI507	S3100-160	PANEL AUDIO (ZONE 225)	80721 80983	01 R
				8190 8703	
	UI602	066-01072-0014	RECEIVER KR-87 ADF (ZONE 225)	V22373	01 R
	UI603	066-03063-0000	INDICATOR KI-227 ADF (ZONE 225)	V22373	01 R

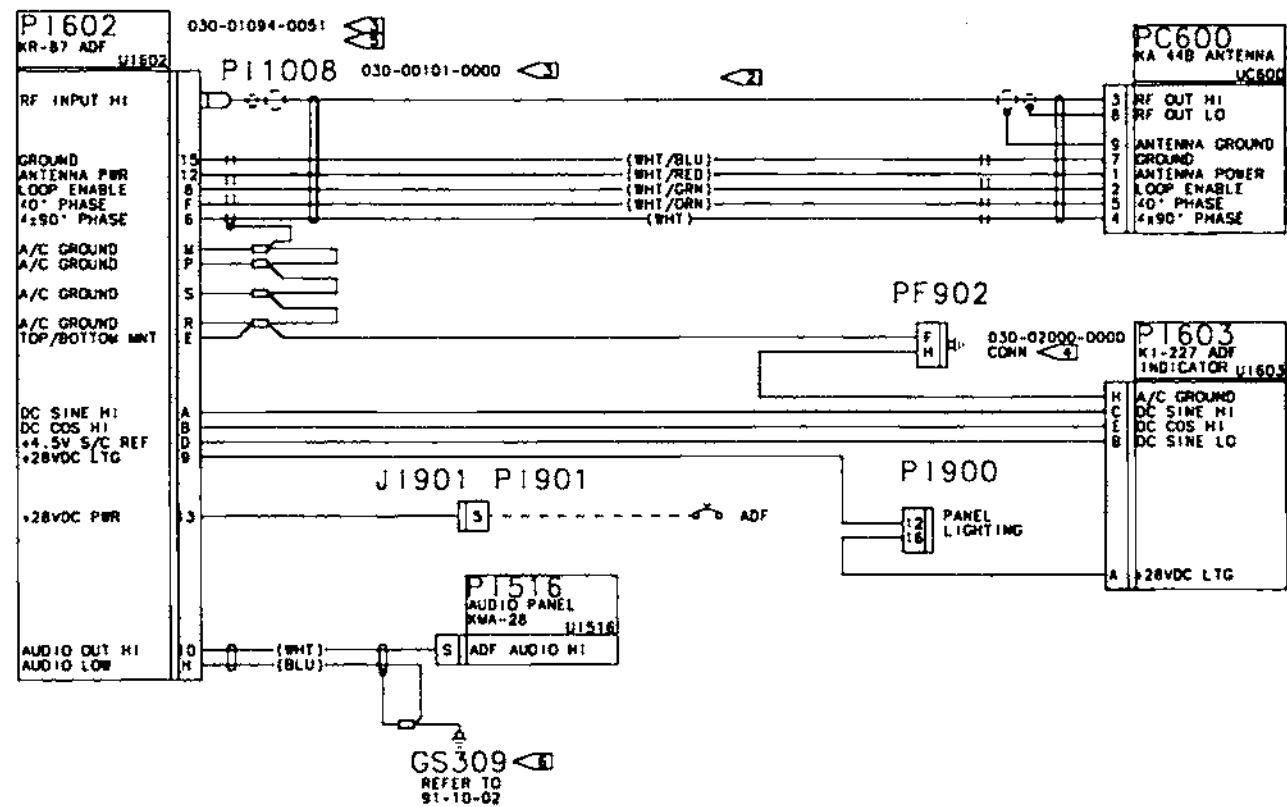
- ITEM NOT ILLUSTRATED

Figure 01

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

- NOTES:
- 1 ALL WIRES 22 AWG, EXCEPT AS NOTED.
 - 2 ANTENNA CABLE ASSY, 200-02586-0004, INCLUDES THE PC600 CONNECTOR.
 - 3 PART OF ALLIED SIGNAL INSTL KIT 050-01756-0004.
 - 4 PART OF ALLIED SIGNAL INSTL KIT 050-01808-0001.
 - 5 INSTALL POLARIZING PIN BETWEEN PINS 5 & 6.
 - 6 GROUND STUD IS LOCATED ON THE BACK OF THE AUDIO PANEL RACK



3922105A1

KR-87 AUTOMATIC DIRECTION FINDER
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

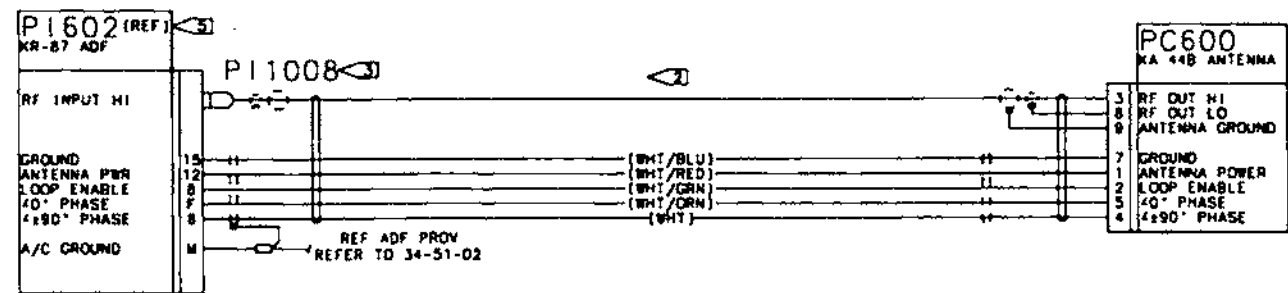
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
02			KR-87 AUTOMATIC DIRECTION FINDER 17280984 THRU 17281271 172S8704 THRU 172S10101 NAV I, NAV II		
	GS309	3910276-2	GROUND STUD (ZONE 225)		01 R
	J1901	S2350-3	CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01 R
		S2353-5	PIN		AR R
	PC600	MS27473E12F35P	CONNECTOR ADF ANTENNA DISCONNECT (ZONE 210)		01 R
	PF902	SK2701	CONNECTOR GROUND (ZONE 221)	V28198	01 R
		FC116N2	CONTACT		AR R
		FC120N2	CONTACT	V28198	AR R
	PI1008	030-00101-0000	CONNECTOR KR-87 ADF COAX (ZONE 225)	V22373	01 R
		050-01756-0004	CONNECTOR KIT		01 R
		076-01042-0001	FERRULE	V22373	AR R
	PI516	030-01094-0058	CONNECTOR AUDIO PANEL DISCONNECT (ZONE 225)		01 R
		050-03613-0001	CONNECTOR KIT		01 R
	PI602	09-50-6155	CONNECTOR KR-87 ADF DISCONNECT (ZONE 220)		01 R
		050-01756-0004	CONNECTOR KIT		01 R
		08-05-0302	CONTACT		AR R
		15-04-0233	POLARIZING PIN		AR R
	PI603	030-2000-0000	CONNECTOR KI-227 ADF INDICATOR DISCONNECT (ZONE 220)		01 R
		050-01808-0001	CONNECTOR KIT		01 R
	PI900	S3070-9	CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01 R
		LMD6106P	BUSSING MODULE	V49367	01 R
		LMS01T-TL	SPLICE CONNECTOR	V49367	01 R
		S2353-5	PIN		AR R
	PI901	S2349-1	CONNECTOR AVIONICS CIRCUIT BREAKER PANEL (ZONE 224)		01 R
		S2099-3	CONTACT		AR R
		S2099-4	CONTACT		AR R
	UC600	071-01234-0000	ANTENNA KA-44B ADF (ZONE 310)	V22373	01 R
	UI516	3910310-19	AUDIO PANEL KMA-28	80984 & ON 8704 & ON	01 R
	UI602	066-01072-0014	RECEIVER KR-87 ADF (ZONE 225)	V22373	01 R
	UI603	066-03063-0000	INDICATOR KI-227 ADF (ZONE 225)	V22373	01 R

- ITEM NOT ILLUSTRATED

Figure 02

Page 1

- NOTES:
- 1 ALL WIRES 22 AWG UNLESS OTHERWISE NOTED.
 - 2 ANTENNA CABLE ASSY, 200-03586-0004, INCLUDES THE PC600 CONNECTOR.
 - 3 PART OF HONEYWELL ADF INSTL KIT 030-01756-0004. THE FOLLOWING SPECS ARE PART OF THIS DRAWING:
CSAM012 SHIELDED CABLE INSTALLATION.
CES2216 WIRE TERMINATIONS.
 - 4 CONNECT WIRES TO THE EXISTING P1602 CONNECTOR. DISCARD THE 030-01084-0051 CONNECTOR THAT IS PART OF THE ADF INSTALLATION KIT.



3922108_1

KR87 ADF ANTENNA
Figure 03 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

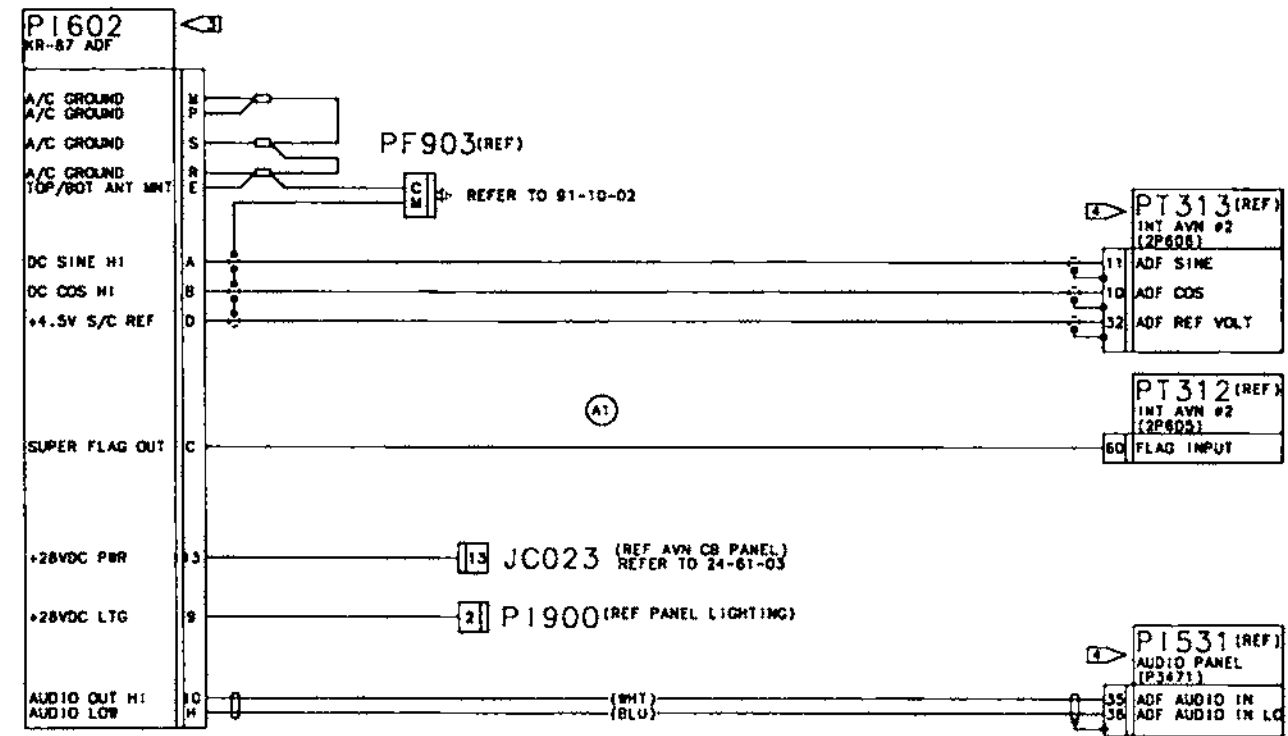
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
	DES			FROM TO	PER ASSY
03			KR87 ADF ANTENNA 17281272 & ON 172S10102 & ON WITH NAV III AVIONICS		
	PC600	MS27473E12F35P	CONNECTOR ADF ANTENNA DISCONNECT (ZONE 210)		01 R
	PI1008	030-00101-0000	CONNECTOR KR-87 ADF COAX (ZONE 225) V22373		01 R
	-	050-01756-0004	CONNECTOR KIT		01 R
	-	076-01042-0001	FERRULE	V22373	ARR
	PI602	09-50-6155	CONNECTOR KR-87 ADF DISCONNECT (ZONE 220)		01 R
	-	050-01756-0004	CONNECTOR KIT		01 R
	-	08-05-0302	CONTACT		ARR
	-	15-04-0233	POLARIZING PIN		ARR

- ITEM NOT ILLUSTRATED

Figure 03
Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

- NOTES:
- 1 ALL WIRES 22 AWG UNLESS OTHERWISE NOTED.
 - 2 THE FOLLOWING SPECS ARE PART OF THIS DRAWING:
CSAM012 SHIELDED CABLE INSTALLATION,
CES2716 WIRE TERMINATIONS.
 - 3 INSTALL POLARIZING PIN BETWEEN PINS 5 & 6.
 - 4 GROUND SHIELDS TO THE BACKSHELL OF THE CONNECTOR USING THE GARMIN SUPPLIED GROUNDING WIRES FASTENED TO THE CONNECTOR. SHIELD WIRES SHOULD BE NO LONGER THAN 3".



KR-87 AUTOMATIC DIRECTION FINDER PROVISIONS
Figure 01 (Sheet 1)

3922107A1

CESSNA AIRCRAFT COMPANY

MODEL 172

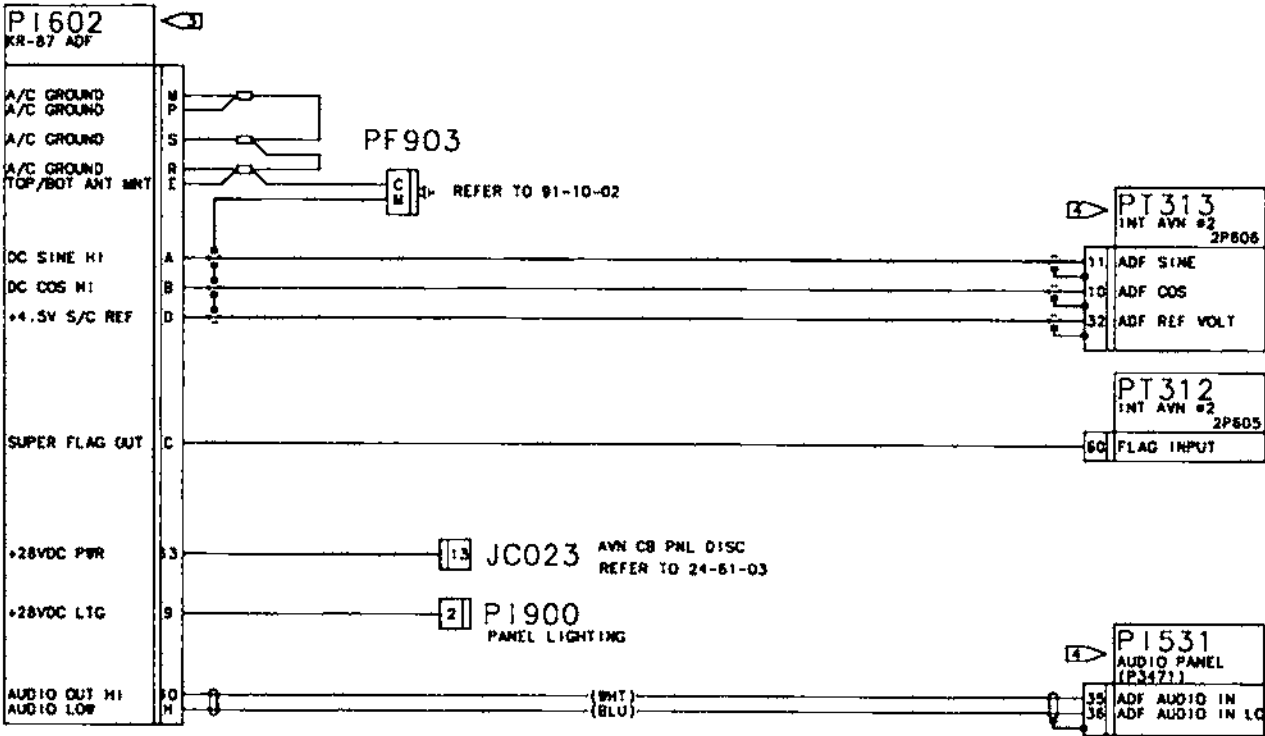
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
01			KR-87 AUTOMATIC DIRECTION FINDER PROVISIONS		
			17281272 THRU 17281356		
			172S10102 THRU 172S10431		
			WITH NAV III OPTION		
JC023	S2350-10		CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)	81241 & ON 9810 & ON	01
-	S2353-5		.. PIN		AR
PF903	SK2701		CONNECTOR (ZONE 221)	V28198	01
-	FC116N2		.. CONTACT	V28198	AR
-	FC120N2		.. CONTACT		AR
PI531			CONNECTOR AUDIO PANEL	81241 & ON 9810 & ON	RF
PI602	09-50-6155		PART OF GARMIN KIT 011-00813-00		
-	050-01756-0004		CONNECTOR KR-87 ADF DISCONNECT (ZONE 220)		01
-	08-05-0302		CONNECTOR KIT		01
-	15-04-0233		.. CONTACT		AR
PI900	S3070-9		.. POLARIZING PIN		AR
-	LMD6106P		CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01
-	LMS01T-TL		.. BUSSING MODULE	V49367	01
-	S2353-5		.. SPLICE CONNECTOR	V49367	01
-			.. PIN		AR
PT312	330-00185-78		CONNECTOR INTEGRATED AVIONICS BOX 2	81272 & ON 10102 & ON	01
PT313	330-00185-78		PART OF GARMIN KIT 011-01000-00		
			CONNECTOR INTEGRATED AVIONICS BOX 2	81241 & ON 9810 & ON	01
			PART OF GARMIN KIT 011-01000-00		

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

- NOTES:
- 1 ALL WIRES 22 AWG UNLESS OTHERWISE NOTED.
 - 2 THE FOLLOWING SPECS ARE PART OF THIS DRAWING:
CSAM012 SHIELDED CABLE INSTALLATION.
CES2716 WIRE TERMINATIONS.
 - 3 INSTALL POLARIZING PIN BETWEEN PINS 5 & 6.
 - 4 GROUND SHIELDS TO THE BACKSHELL OF THE CONNECTOR USING THE GARNIN SUPPLIED GROUNDING LUGS ON THE CONNECTOR. SHIELD WIRES SHOULD BE NO LONGER THAN 3". REFER TO GARNIN DOCUMENT 190-00313-09 FOR SHIELD BLOCK INSTALLATION INSTRUCTIONS.



KR-87 AUTOMATIC DIRECTION FINDER PROVISIONS
Figure 02 (Sheet 1)

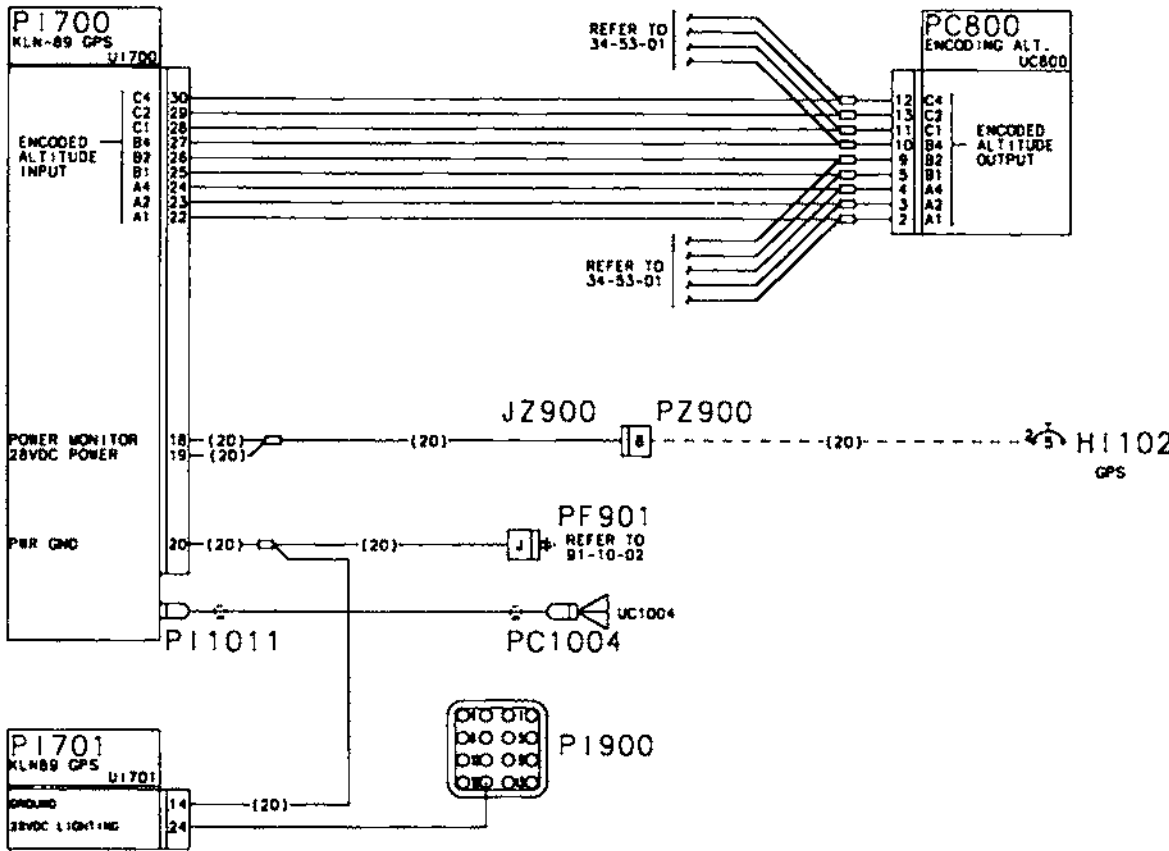
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CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
		1 2 3 4 5 6 7		
02		KR-87 AUTOMATIC DIRECTION FINDER PROVISIONS 17281357 & ON 172S10432 & ON WITH NAV III OPTION		
JC023	S2350-10	CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)	81241 & ON 9810 & ON	01 R
-	S2353-5	. . . PIN		AR R
PF903	SK2701	CONNECTOR (ZONE 221)	V28198	01 R
-	FC116N2	. . . CONTACT	V28198	AR R
-	FC120N2	. . . CONTACT		AR R
PI531		CONNECTOR AUDIO PANEL	81241 & ON	RF R
		PART OF GARMIN KIT 011-00813-00	9810 & ON	
PI602	09-50-6155	CONNECTOR KR-87 ADF DISCONNECT (ZONE 220)		01 R
-	050-01756-0004	CONNECTOR KIT		01 R
-	08-05-0302	. . . CONTACT		AR R
-	15-04-0233	. . . POLARIZING PIN		AR R
PI900	S3070-9	CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01 R
-	LMD6106P	. . . BUSSING MODULE	V49367	01 R
-	LMS01T-TL	. . . SPLICE CONNECTOR	V49367	01 R
-	S2353-5	. . . PIN		AR R
PT312	330-00185-78	CONNECTOR INTEGRATED AVIONICS BOX 2	81272 & ON	01 R
		PART OF GARMIN KIT 011-01000-00	10102 & ON	
PT313	330-00185-78	CONNECTOR INTEGRATED AVIONICS BOX 2	81241 & ON	01 R
		PART OF GARMIN KIT 011-01000-00	9810 & ON	

- ITEM NOT ILLUSTRATED

NOTES:
1. ALL WIRE IS 22AWG EXCEPT AS NOTED.



3928101_1

KLN-89 GLOBAL POSITIONING SYSTEM
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

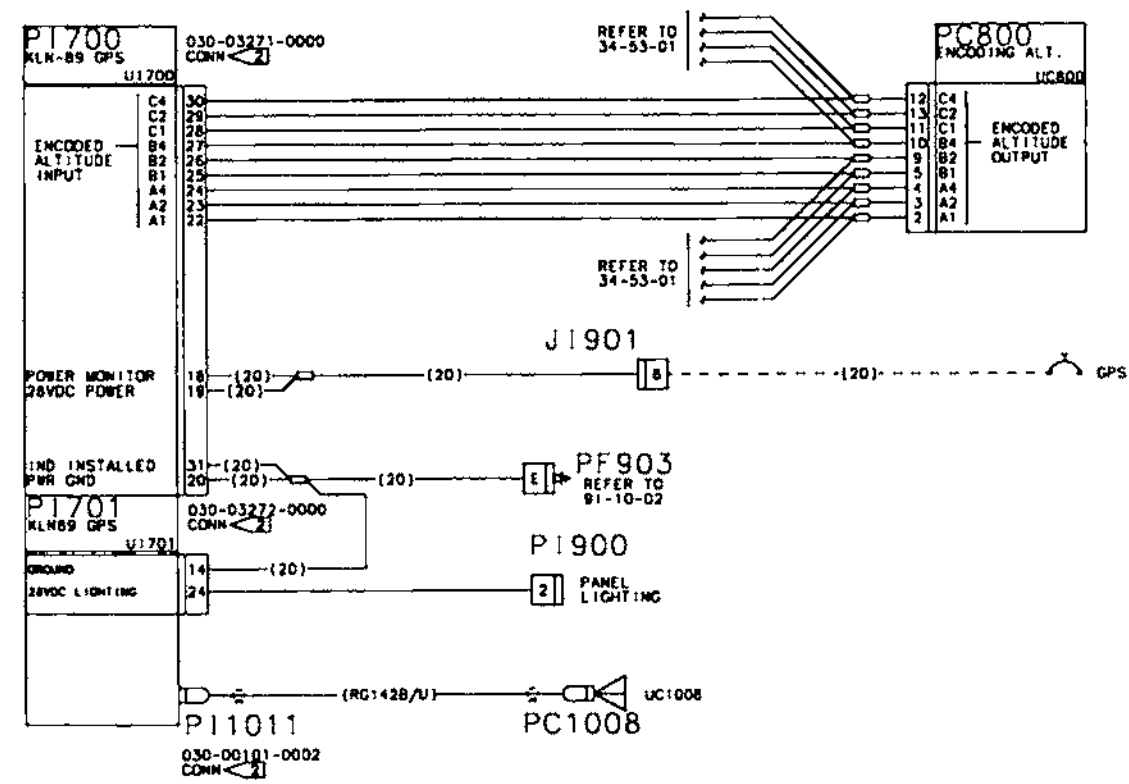
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
	DES			FROM TO	PER ASSY
01			KLN-89 GLOBAL POSITIONING SYSTEM		
			17280001 THRU 17280003		
	HI102	S1360-5L	CIRCUIT BREAKER GPS		01
	JZ900	S2350-3	CONNECTOR (ZONE 220)		01
		S2353-4	PINS		AR
		S2353-5	PINS		AR
	PC1004	225555-6	CONNECTOR GPS ANTENNA	V00779 80001 80003	01
		79125	ADAPTER	V13511	01
	PC800	M24308/2-2	CONNECTOR ENCODING ALTIMETER (ZONE 221)		01
		M24308/25-9	SCREW LOCK ASSEMBLY		01
		M85049/48-2-2F	CLAMP ALTERNATE FOR S2492-1		01
		S2492-1	CLAMP		01
	PF901	S2526-1	CONNECTOR GROUND		01
		S2099-4	CONTACT		AR
	PI1011	030-00101-0002	CONNECTOR GPS RECEIVER (ZONE 225)	V22373	01
		050-03321-0000	CONNECTOR KIT	V22373	01
	PI700	030-03271-0000	CONNECTOR KLN-89B GPS RECEIVER DISCONNECT (ZONE 225)		01
		050-03321-0000	CONNECTOR KIT		01
	PI701	030-03272-0000	CONNECTOR GPS RECEIVER (ZONE 225)		01
	PI900	S3070-9	CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01
		LMD6106P	BUSSING MODULE	V49367	01
		LMS01T-TL	SPLICE CONNECTOR	V49367	01
		S2353-5	PIN		AR
	PZ900	S2349-1	CONNECTOR WING LEVELER DISCONNECT (ZONE 220)		01
		S2099-3	CONTACTS		AR
		S2099-4	CONTACTS		AR
	UC1004		ANTENNA		RF R
	UC800	SSD120-20	ENCODING ALTIMETER (ZONE 225)	V57323 80001 80700	01 R
				8001 8114	
	UI700	066-01148-1111	RECEIVER GPS (ZONE 225)	V22373 80001 80983	01 R
				8001 8703	
	UI701	066-01148-1111	RECEIVER GPS (ZONE 225)	80001 80977	01 R
				8001 8703	

- ITEM NOT ILLUSTRATED

Figure 01

Page 1

NOTES:
1. ALL WIRE IS 22AWG EXCEPT AS NOTED.
PART OF ALLIED SIGNAL INSTL KIT 050-03321-0000.



3928102B1

KLN-89 GLOBAL POSITIONING SYSTEM
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES		1 2 3 4 5 6 7		FROM TO	PER ASSY
02			KLN-89 GLOBAL POSITIONING SYSTEM		
			17280004 THRU 17280983		
			172S8001 THRU 172S8703		
	J1901	S2350-3	CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01
		S2353-5	PIN		AR
	PC1008	225555-6	CONNECTOR NAV/COMM ANTENNA COAX DISCONNECT (ZONE V00779 210)		01
		79125	ADAPTER	V13511	01
	PC800	M24308/2-2	CONNECTOR ENCODING ALTIMETER (ZONE 221)		01
		M24308/25-9	SCREW LOCK ASSEMBLY		01
		M85049/48-2-2F	CLAMP ALTERNATE FOR S2492-1		01
		S2492-1	CLAMP		01
	PF903	SK2701	CONNECTOR (ZONE 221)	V28198	01
		FC116N2	CONTACT	V28198	AR
		FC120N2	CONTACT		AR
	PI1011	030-00101-0002	CONNECTOR GPS RECEIVER (ZONE 225)	V22373	01
		050-03321-0000	CONNECTOR KIT	V22373	01
	PI700	030-03271-0000	CONNECTOR KLN-89B GPS RECEIVER DISCONNECT (ZONE 225)		01
		050-03321-0000	CONNECTOR KIT		01
	PI701	030-03272-0000	CONNECTOR GPS RECEIVER (ZONE 225)		01
	PI900	S3070-9	CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01
		LMD6106P	BUSSING MODULE	V49367	01
		LMS01T-TL	SPLICE CONNECTOR	V49367	01
		S2353-5	PIN		AR
	UC1008	070-01553-0200	ANTENNA GPS (ZONE 210)		01
		187-01831-0000	GASKET		01
	UC800	SSD120-20	ENCODING ALTIMETER (ZONE 225)	V57323 80001 80700	01
				8001 8114	
	UC800	SSD120-30A	ENCODING ALTIMETER (ZONE 225)	V57323 80701 & ON	01
				8115 & ON	
	UI700	066-01148-1111	RECEIVER GPS (ZONE 225)	V22373 80001 80983	01
				8001 8703	
	UI701	066-01148-1111	RECEIVER GPS (ZONE 225)	80001 80977	01
				8001 8703	

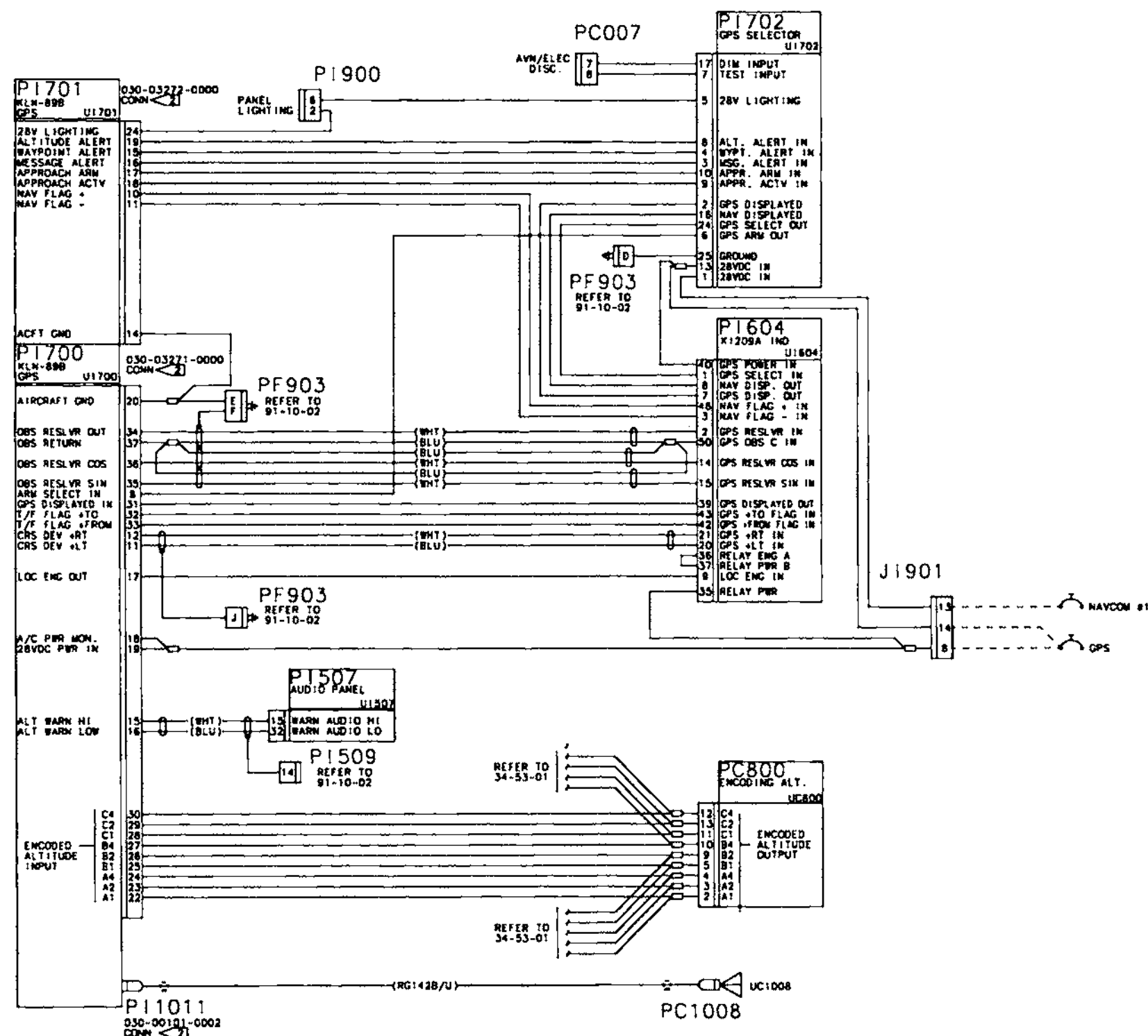
- ITEM NOT ILLUSTRATED

Figure 02

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

NOTES:
ALL WIRE 22AWG UNLESS OTHERWISE NOTED.
PART OF ALLIED SIGNAL KIT 050-03321-0000.



3928103A1

KLN-89B GLOBAL POSITIONING SYSTEM
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

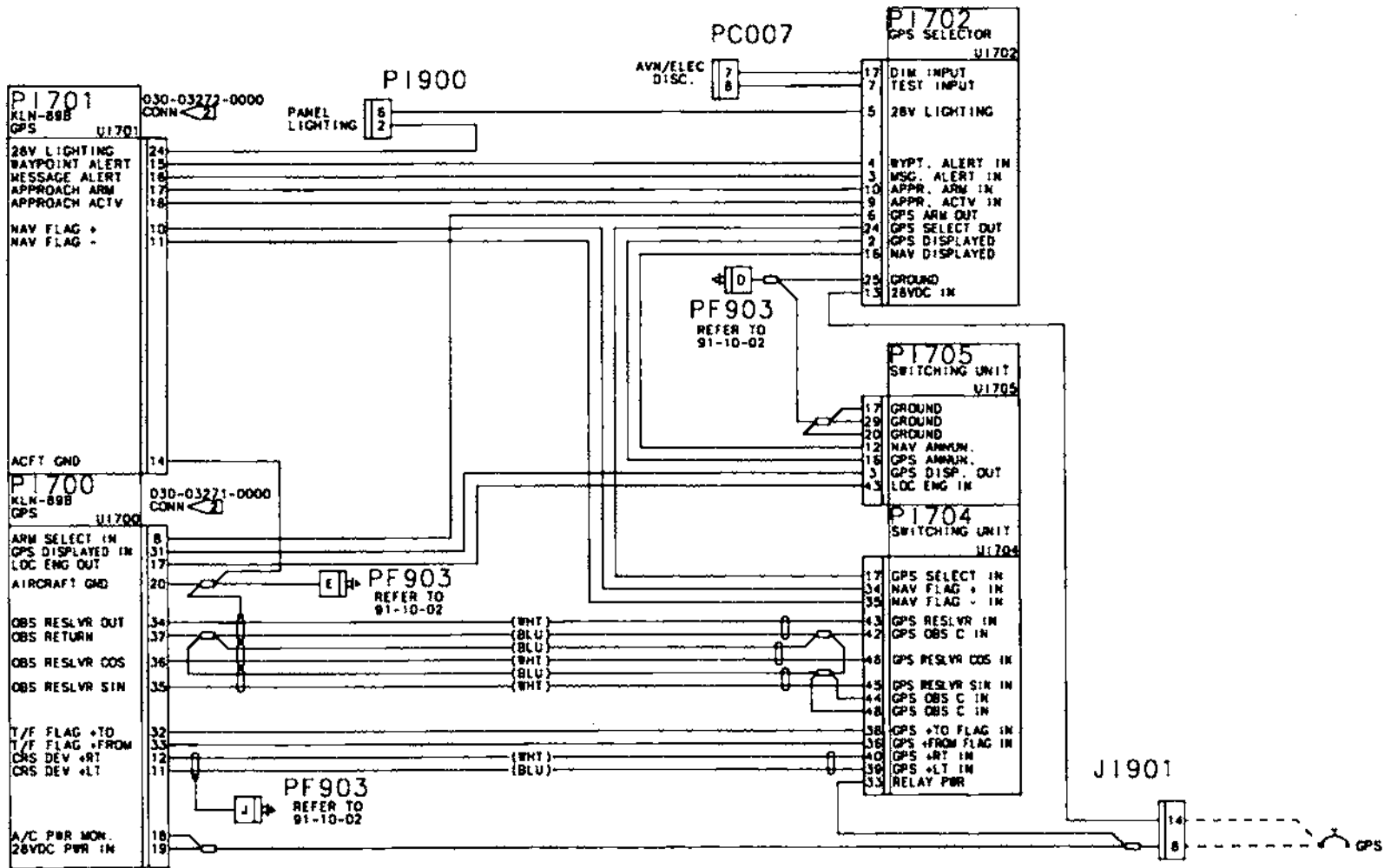
FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
01		KLN-89B GLOBAL POSITIONING SYSTEM 17280001 THRU 17280851 172S8001 THRU 172S8371 NAV III 172S8348 THRU 172S8371		
J1901	S2350-3	CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01
	S2353-5	PIN		AR
PC007	S1640-9	CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220)		01
	S1635-1	PIN		AR
PC100B	225555-6	CONNECTOR NAV/COMM ANTENNA COAX DISCONNECT (ZONE V00779 210)		01
	79125	ADAPTER	V13511	01
PC800	M24308/2-2	CONNECTOR ENCODING ALTIMETER (ZONE 221)		01
	M24308/25-9	SCREW LOCK ASSEMBLY		01
	M85049/48-2-2F	CLAMP ALTERNATE FOR S2492-1		01
	S2492-1	CLAMP		01
PF903	SK2701	CONNECTOR (ZONE 221)	V28198	01
	FC116N2	CONTACT	V28198	AR
	FC120N2	CONTACT		AR
PI1011	030-00101-0002	CONNECTOR GPS RECEIVER (ZONE 225)	V22373	01
	050-03321-0000	CONNECTOR KIT	V22373	01
PI507	050-03392-0000	CONNECTOR KIT AUDIO PANEL (ZONE 225)		01
PI509	030-01094-0004	CONNECTOR AUDIO PANEL (ZONE 225)	V22373	01
PI604	030-01176-0000	CONNECTOR KI209A INDICATOR DISCONNECT (ZONE 220)		01
	050-01550-0001	CONNECTOR KIT		01
PI700	030-03271-0000	CONNECTOR KLN-89B GPS RECEIVER DISCONNECT (ZONE 225)		01
	050-03321-0000	CONNECTOR KIT		01
PI701	030-03272-0000	CONNECTOR GPS RECEIVER (ZONE 225)		01
PI702	RD25F00JVL0	CONNECTOR NAV/GPS SWITCH ANNUNCIATOR (ZONE 220)	V28198	01
	FC6020D	CONTACT	V28198	AR
PI900	S3070-9	CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01
	LMD6106P	BUSING MODULE	V49367	01
	LMS01T-TL	SPLICE CONNECTOR	V49367	01
	S2353-5	PIN		AR
UC1008	070-01553-0200	ANTENNA GPS (ZONE 210)		01
	187-01831-0000	GASKET		01
UC800	SSD120-20	ENCODING ALTIMETER (ZONE 225)	V57323 80001 80700	01
			8001 8114	
UC800	SSD120-30A	ENCODING ALTIMETER (ZONE 225)	V57323 80701 & ON	01
			8115 & ON	
UI507	066-01155-0101	PANEL AUDIO (ZONE 225)	V22373 80001 80601	01
	066-01155-0201	ALTERNATE FOR 066-01155-0101	V22373	01
UI507	066-01155-0201	PANEL AUDIO (ZONE 225)	V22373 80602 80720	01
			8001 8189	
UI507	S3100-160	PANEL AUDIO (ZONE 225)	80721 80983	01
			8190 8703	
UI604	S3100-158	INDICATOR KI-209A (ZONE 210)	80780 & ON	01
			8262 & ON	
UI700	066-01148-1111	RECEIVER GPS (ZONE 225)	V22373 80001 80983	01
			8001 8703	
UI701	066-01148-1111	RECEIVER GPS (ZONE 225)	80001 80977	01
			8001 8703	
UI702	MD41-228	SELECTOR GPS	80001 80983	01
			8001 8703	

- ITEM NOT ILLUSTRATED

Figure 01

Page 1

NOTES:
ALL WIRE 22AWG UNLESS OTHERWISE NOTED.
PART OF ALLIED SIGNAL KIT 050-03321-0000.



3928107B1

KLN-89B GLOBAL POSITIONING SYSTEM
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

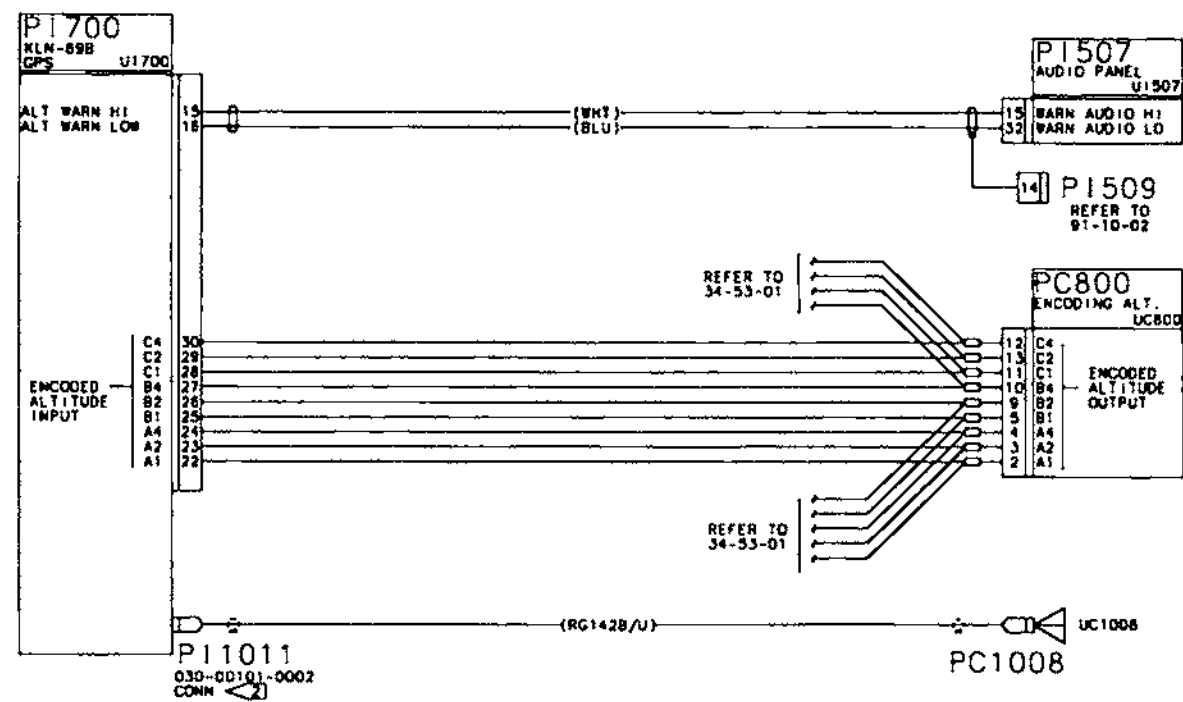
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
01			KLN-89B GLOBAL POSITIONING SYSTEM 17280694 THRU 17280851 172S8113 THRU 172S8347 W/HSI		
	J1901	S2350-3	CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01
	-	S2353-5	.. PIN		AR
	PC007	S1640-9	CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220).		01
	-	S1635-1	.. PIN		AR
	PF903	SK2701	CONNECTOR (ZONE 221)	V28198	01
	-	FC116N2	.. CONTACT	V28198	AR
	-	FC120N2	.. CONTACT		AR
	PI700	030-03271-0000	CONNECTOR KLN-89B GPS RECEIVER DISCONNECT (ZONE 225)		01
	-	050-03321-0000	CONNECTOR KIT		01
	PI701	030-03272-0000	CONNECTOR GPS RECEIVER (ZONE 225)		01
	PI702	RD25F00JVL0	CONNECTOR NAV/GPS SWITCH ANNUNCIATOR (ZONE 220)	V28198	01
	-	FC6020D	.. CONTACT	V28198	AR
	PI704	RD50F10JVL0	CONNECTOR RELAY SWITCHING UNIT (ZONE 221)	V28198 80694 & ON 8113 & ON	01
	PI705	RD50M10JVL0	CONNECTOR RELAY SWITCHING UNIT (ZONE 221)	V28198 80694 & ON 8113 & ON	01
	PI900	S3070-9	CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01
	-	LMD6106P	.. BUSSING MODULE	V49367	01
	-	LMS01T-TL	.. SPLICE CONNECTOR	V49367	01
	-	S2353-5	.. PIN		AR
	UI700	066-01148-1111	RECEIVER GPS (ZONE 225)	V22373 80001 80983 8001 8703	01
	UI701	066-01148-1111	RECEIVER GPS (ZONE 225)	80001 80977 8001 8703	01
	UI702	MD41-228	SELECTOR GPS	80001 80983 8001 8703	01
	UI704		SWITCHING UNIT		RF
	UI705		SWITCHING UNIT		RF

- ITEM NOT ILLUSTRATED

Figure 01

Page 1

NOTES:
1 ALL WIRE 22AWG UNLESS OTHERWISE NOTED.
2 PART OF ALLIED SIGNAL KIT Q50-03321-0000.



3928107B2

KLN-89B GLOBAL POSITIONING SYSTEM
Figure 01 (Sheet 2)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
01			KLN-89B GLOBAL POSITIONING SYSTEM 17280694 THRU 17280851 172S8113 THRU 172S8347 W/HSI		
	PC1008	225555-6	CONNECTOR NAV/COMM ANTENNA COAX DISCONNECT (ZONE V00779 210)		01
		79125	ADAPTER	V13511	01
	PC800	M24308/2-2	CONNECTOR ENCODING ALTIMETER (ZONE 221)		01
		M24308/25-9	SCREW LOCK ASSEMBLY		01
		M85049/48-2-2F	CLAMP ALTERNATE FOR S2492-1		01
		S2492-1	CLAMP		01
	PI1011	030-00101-0002	CONNECTOR GPS RECEIVER (ZONE 225)	V22373	01
		050-03321-0000	CONNECTOR KIT	V22373	01
	PI507	050-03392-0000	CONNECTOR KIT AUDIO PANEL (ZONE 225)		01
	PI509	030-01094-0004	CONNECTOR AUDIO PANEL (ZONE 225)	V22373	01
	PI700	030-03271-0000	CONNECTOR KLN-89B GPS RECEIVER DISCONNECT (ZONE 225)		01
		050-03321-0000	CONNECTOR KIT		01
	UC1008	070-01553-0200	ANTENNA GPS (ZONE 210)		01
		187-01831-0000	GASKET		01
	UC800	SSD120-20	ENCODING ALTIMETER (ZONE 225)	V57323 80001 80700	01
				8001 8114	
	UC800	SSD120-30A	ENCODING ALTIMETER (ZONE 225)	V57323 80701 & ON	01
				8115 & ON	
	UI507	066-01155-0201	PANEL AUDIO (ZONE 225)	V22373 80602 80720	01
				8001 8189	
	UI507	S3100-160	PANEL AUDIO (ZONE 225)	80721 80983	01
				8190 8703	
	UI700	066-01148-1111	RECEIVER GPS (ZONE 225)	V22373 80001 80983	01
				8001 8703	

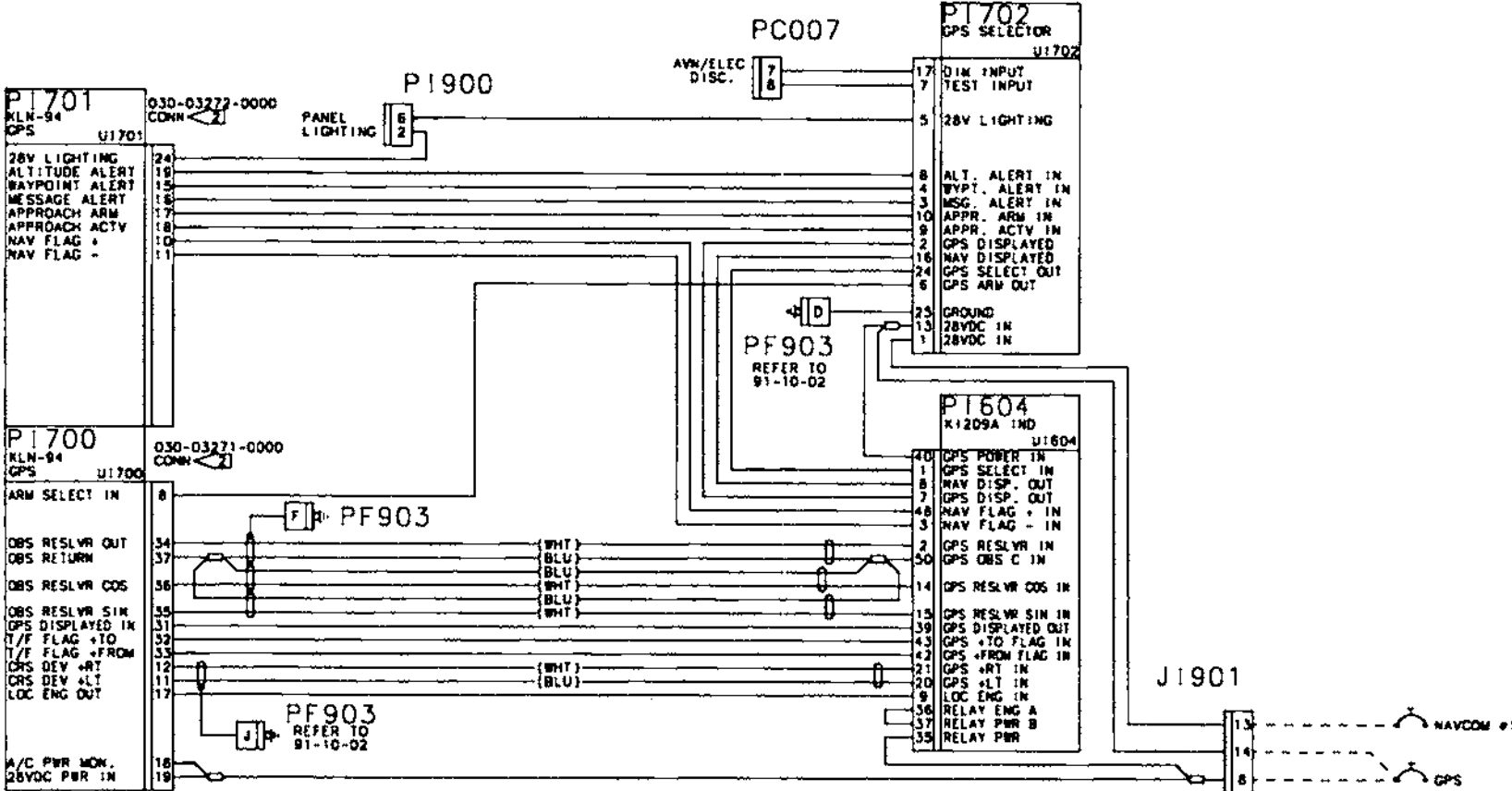
- ITEM NOT ILLUSTRATED

Figure 01

Page 3

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

NOTES:
 1. ALL WIRE 22AWG UNLESS OTHERWISE NOTED.
 2. PART OF ALLIED SIGNAL KIT 050-03321-0000.



3928111_1

KLN-94 GLOBAL POSITIONING SYSTEM
 Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
01			KLN-94 GLOBAL POSITIONING SYSTEM 17280852 THRU 17280983 172S8372 THRU 172S8703		
	J1901	S2350-3	CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01
	-	S2353-5	PIN		AR
	PC007	S1640-9	CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220)		01
	-	S1635-1	PIN		AR
	PF903	SK2701	CONNECTOR (ZONE 221)	V28198	01
	-	FC116N2	CONTACT	V28198	AR
	-	FC120N2	CONTACT		AR
	PI604	030-01176-0000	CONNECTOR KI209A INDICATOR DISCONNECT (ZONE 220)		01
	-	050-01550-0001	CONNECTOR KIT		01
	PI700	030-03271-0000	CONNECTOR KLN-89B GPS RECEIVER DISCONNECT (ZONE 225)		01
	-	050-03321-0000	CONNECTOR KIT		01
	PI701	030-03272-0000	CONNECTOR GPS RECEIVER (ZONE 225)		01
	PI702	RD25F00JVL0	CONNECTOR NAV/GPS SWITCH ANNUNCIATOR (ZONE 220)	V28198	01
	-	FC6020D	CONTACT	V28198	AR
	PI900	S3070-9	CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01
	-	LMD6106P	BUSSING MODULE	V49367	01
	-	LMS01T-TL	SPLICE CONNECTOR	V49367	01
	-	S2353-5	PIN		AR
	UI604	S3100-158	INDICATOR KI-209A (ZONE 210)	80780 & ON	01 R
				8262 & ON	
	UI700	066-01148-1111	RECEIVER GPS (ZONE 225)	V22373 80001 80983	01 R
				8001 8703	
	UI701	069-01034-0101	RECEIVER GPS (ZONE 225)	V22373 80978 & ON	01 R
				8704 & ON	
	UI701	066-01148-1111	RECEIVER GPS (ZONE 225)	80001 80977	01 R
				8001 8703	
	UI702	MD41-228	SELECTOR GPS	80001 80983	01 R
				8001 8703	

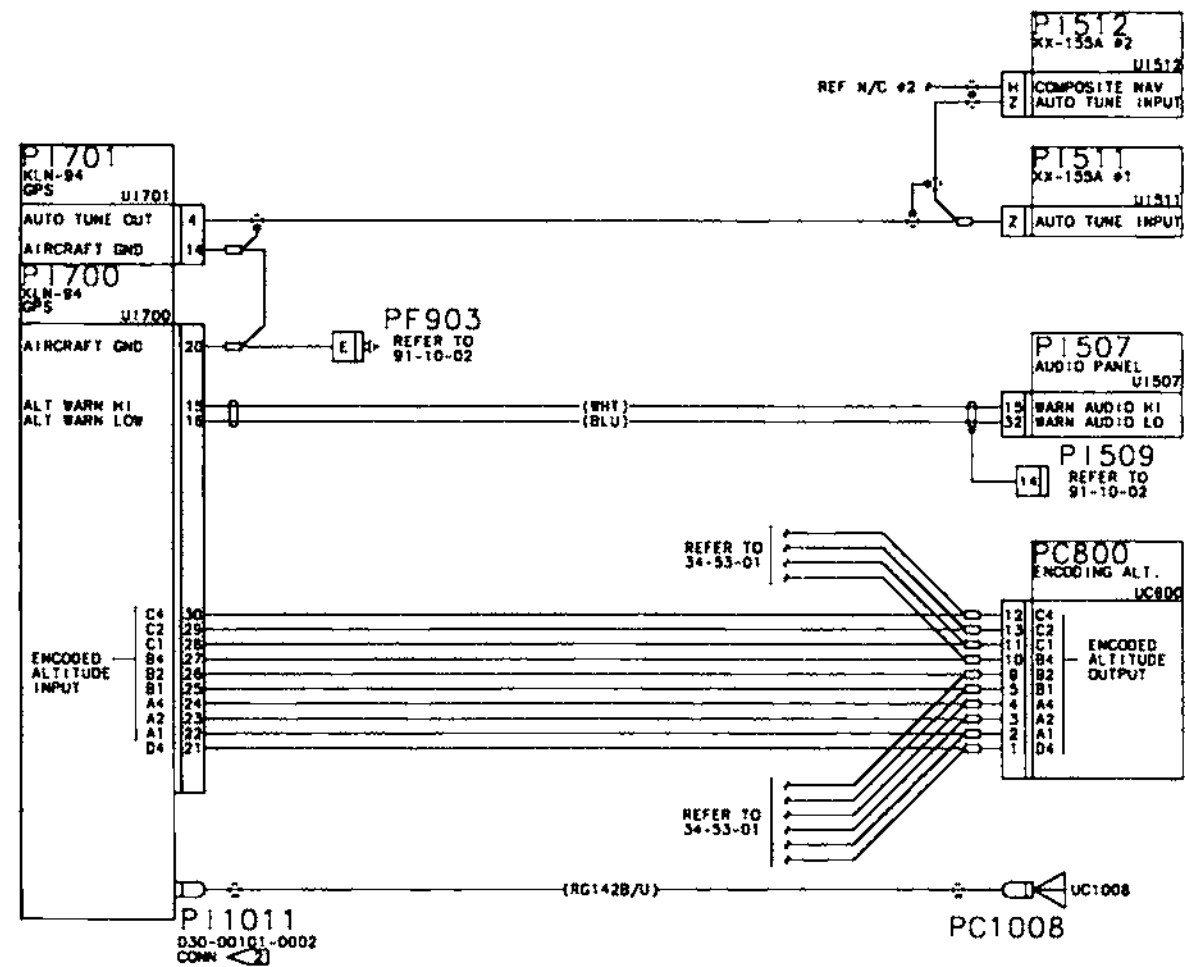
- ITEM NOT ILLUSTRATED

Figure 01

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

NOTES:
1 ALL WIRE 22AWG UNLESS OTHERWISE NOTED.
2 PART OF ALLIED SIGNAL KIT 050-03321-0000.



KLN-94 GLOBAL POSITIONING SYSTEM
Figure 01 (Sheet 2)

3928111_1

CESSNA AIRCRAFT COMPANY

MODEL 172

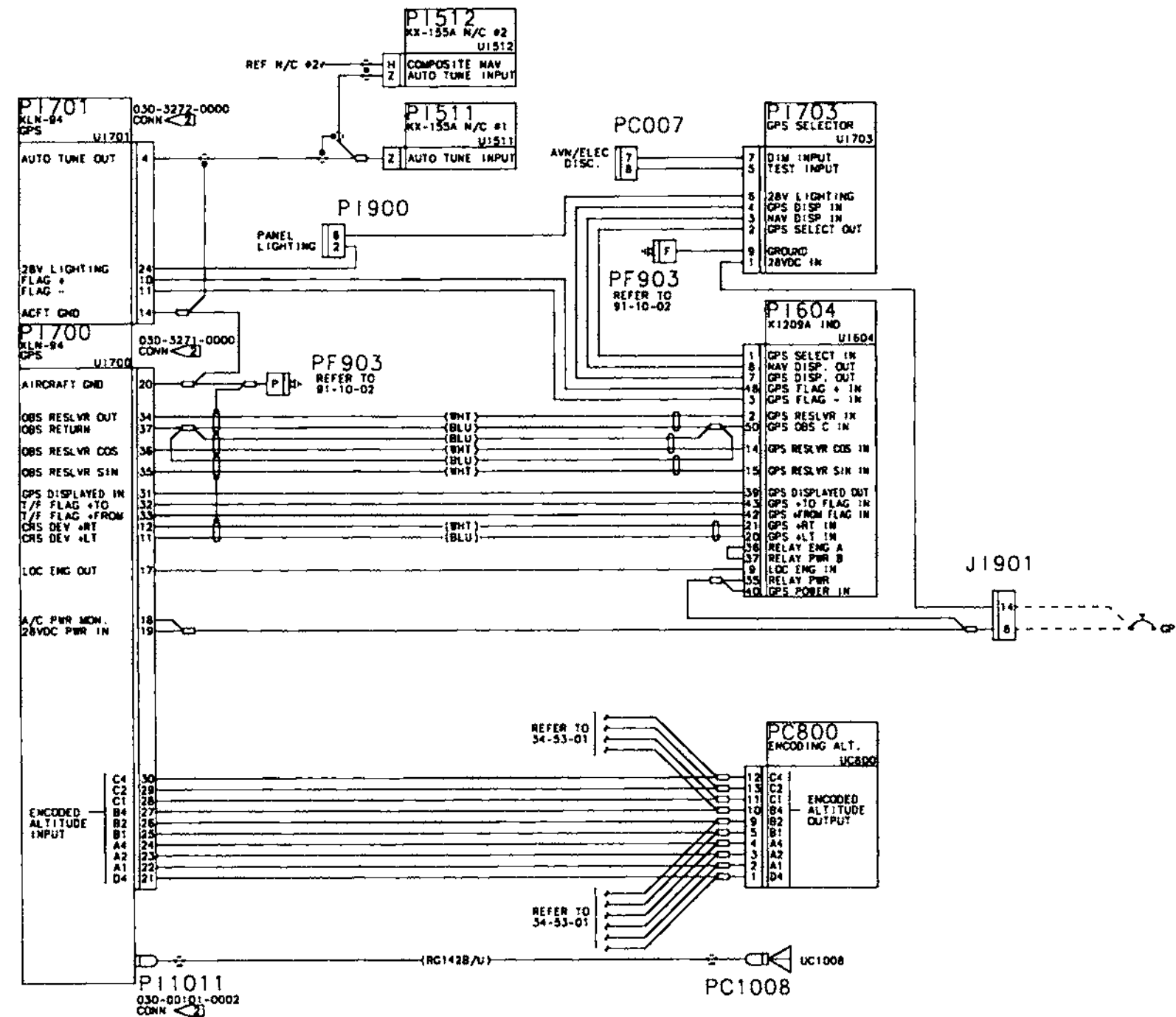
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
01			KLN-94 GLOBAL POSITIONING SYSTEM		
			17280852 THRU 17280983		
			172S8372 THRU 172S8703		
	PC1008	225555-6	CONNECTOR NAV/COMM ANTENNA COAX DISCONNECT (ZONE V00779		01
			210)		
		79125	ADAPTER	V13511	01
	PC800	M24308/2-2	CONNECTOR ENCODING ALTIMETER (ZONE 221)		01
		M24308/25-9	SCREW LOCK ASSEMBLY		01
		M85049/48-2-2F	CLAMP ALTERNATE FOR S2492-1		01
		S2492-1	CLAMP		01
	PF903	SK2701	CONNECTOR (ZONE 221)	V28198	01
		FC116N2	CONTACT	V28198	AR
		FC120N2	CONTACT		AR
	PI1011	030-00101-0002	CONNECTOR GPS RECEIVER (ZONE 225)	V22373	01
		050-03321-0000	CONNECTOR KIT	V22373	01
	PI507	050-03392-0000	CONNECTOR KIT AUDIO PANEL (ZONE 225)		01
	PI509	030-01094-0004	CONNECTOR AUDIO PANEL (ZONE 225)	V22373	01
	PI511	030-01094-0088	CONNECTOR KX155A NAV/COMM DISCONNECT (ZONE 225)		01
		050-03378-0000	CONNECTOR KIT		01
		050-03378-0001	CONNECTOR KIT		01
	PI512	030-01094-0088	CONNECTOR (ZONE 225)		01
		050-03378-0001	CONNECTOR KIT		01
	PI700	030-03271-0000	CONNECTOR KLN-89B GPS RECEIVER DISCONNECT (ZONE		01
			225)		
		050-03321-0000	CONNECTOR KIT		01
	PI701	030-03272-0000	CONNECTOR GPS RECEIVER (ZONE 225)		01
	UC1008	070-01553-0200	ANTENNA GPS (ZONE 210)		01 R
		187-01831-0000	GASKET		01 R
	UC800	SSD120-30A	ENCODING ALTIMETER (ZONE 225)	V57323	01 R
				80701 & ON	
				8115 & ON	
	UI507	S3100-160	PANEL AUDIO (ZONE 225)	80721 80983	01 R
				8190 8703	
	UI511	S3100-156	NAV/COMM KX-155A (ZONE 211)	80721 80812	01 R
				8190 8319	
	UI511	S3100-179	NAV/COMM KX-155A (ZONE 211)	80813 & ON	01 R
				8320 & ON	
	UI512	S3100-156	NAV/COMM KX-155A (ZONE 211)	80721 80812	01 R
				8190 8319	
	UI512	S3100-179	NAV/COMM KX-155A (ZONE 211)	80813 & ON	01 R
				8320 & ON	
	UI700	066-01148-1111	RECEIVER GPS (ZONE 225)	V22373 80001 80983	01 R
				8001 8703	
	UI701	069-01034-0101	RECEIVER GPS (ZONE 225)	V22373 80978 & ON	01 R
				8704 & ON	
	UI701	066-01148-1111	RECEIVER GPS (ZONE 225)	80001 80977	01 R
				8001 8703	

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

1 ALL WIRE 22AWG UNLESS OTHERWISE NOTED.
2 PART OF ALLIED SIGNAL KIT 050-03321-0000.



3928113B1

KLN-94 GLOBAL POSITIONING SYSTEM
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
02			KLN-94 GLOBAL POSITIONING SYSTEM		
			17280984 & ON		
			172S8704 & ON		
	J1901	S2350-3	CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01
	-	S2353-5	PIN		AR
	PC007	S1640-9	CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220)		01
	-	S1635-1	PIN		AR
	PC1008	225555-6	CONNECTOR NAV/COMM ANTENNA COAX DISCONNECT (ZONE V00779 210)		01
	-	79125	ADAPTER	V13511	01
	PC800	M24308/2-2	CONNECTOR ENCODING ALTIMETER (ZONE 221)		01
	-	M24308/25-9	SCREW LOCK ASSEMBLY		01
	-	M85049/48-2-2F	CLAMP ALTERNATE FOR S2492-1		01
	-	S2492-1	CLAMP		01
	PF903	SK2701	CONNECTOR (ZONE 221)	V28198	01
	-	FC116N2	CONTACT	V28198	AR
	-	FC120N2	CONTACT		AR
	PI1011	030-00101-0002	CONNECTOR GPS RECEIVER (ZONE 225)	V22373	01
	-	050-03321-0000	CONNECTOR KIT	V22373	01
	PI511	030-01094-0088	CONNECTOR KX155A NAV/COMM DISCONNECT (ZONE 225)		01
	-	050-03378-0000	CONNECTOR KIT		01
	-	050-03378-0001	CONNECTOR KIT		01
	PI512	030-01094-0088	CONNECTOR (ZONE 225)		01
	-	050-03378-0001	CONNECTOR KIT		01
	PI604	030-01176-0000	CONNECTOR KI209A INDICATOR DISCONNECT (ZONE 220)		01
	-	050-01550-0001	CONNECTOR KIT		01
	PI700	030-03271-0000	CONNECTOR KLN-89B GPS RECEIVER DISCONNECT (ZONE 225)		01
	-	050-03321-0000	CONNECTOR KIT		01
	PI701	030-03272-0000	CONNECTOR GPS RECEIVER (ZONE 225)		01
	PI703	RD9F00JVL0	CONNECTOR NAV/GPS SWITCH ANNUNCIATOR (ZONE 220)	V28198	01
	-	FC6020D	CONTACT	V28198	AR
	PI900	S3070-9	CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01
	-	LMD6106P	BUSSING MODULE	V49367	01
	-	LMS01T-TL	SPLICE CONNECTOR	V49367	01
	-	S2353-5	PIN		AR
	UC1008	070-01553-0200	ANTENNA GPS (ZONE 210)		01 R
	-	187-01831-0000	GASKET		01 R
	UC800	SSD120-30A	ENCODING ALTIMETER (ZONE 225)	V57323	01 R
	UI511	S3100-179	NAV/COMM KX-155A (ZONE 211)	80701 & ON	01 R
	UI512	S3100-179	NAV/COMM KX-155A (ZONE 211)	8115 & ON	01 R
	UI604	S3100-158	INDICATOR KI-209A (ZONE 210)	80813 & ON	01 R
	UI700	069-01034-0101	RECEIVER GPS (ZONE 225)	8320 & ON	01 R
	UI701	069-01034-0101	RECEIVER GPS (ZONE 225)	80813 & ON	01 R
	UI703		SELECTOR GPS	8320 & ON	01 R
				80780 & ON	01 R
				8262 & ON	01 R
				80984 & ON	01 R
				8704 & ON	01 R
				80978 & ON	01 R
				8704 & ON	01 R
					RF R

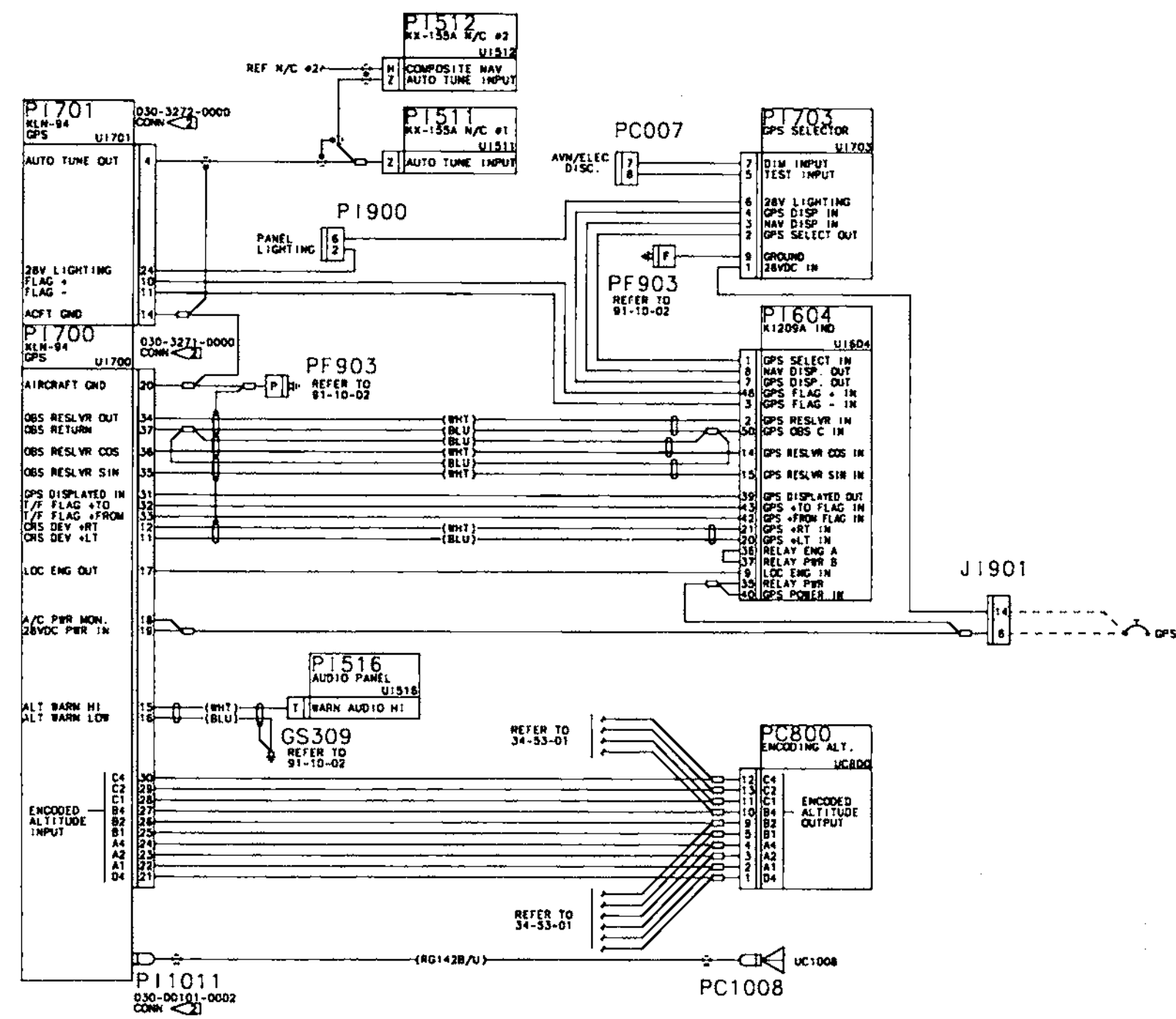
- ITEM NOT ILLUSTRATED

Figure 02

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

NOTES:
 1. ALL WIRE 22AWG UNLESS OTHERWISE NOTED.
 2. PART OF ALLIED SIGNAL KIT 050-03321-0000.



3928116A1

KLN-94 GLOBAL POSITIONING SYSTEM
 Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

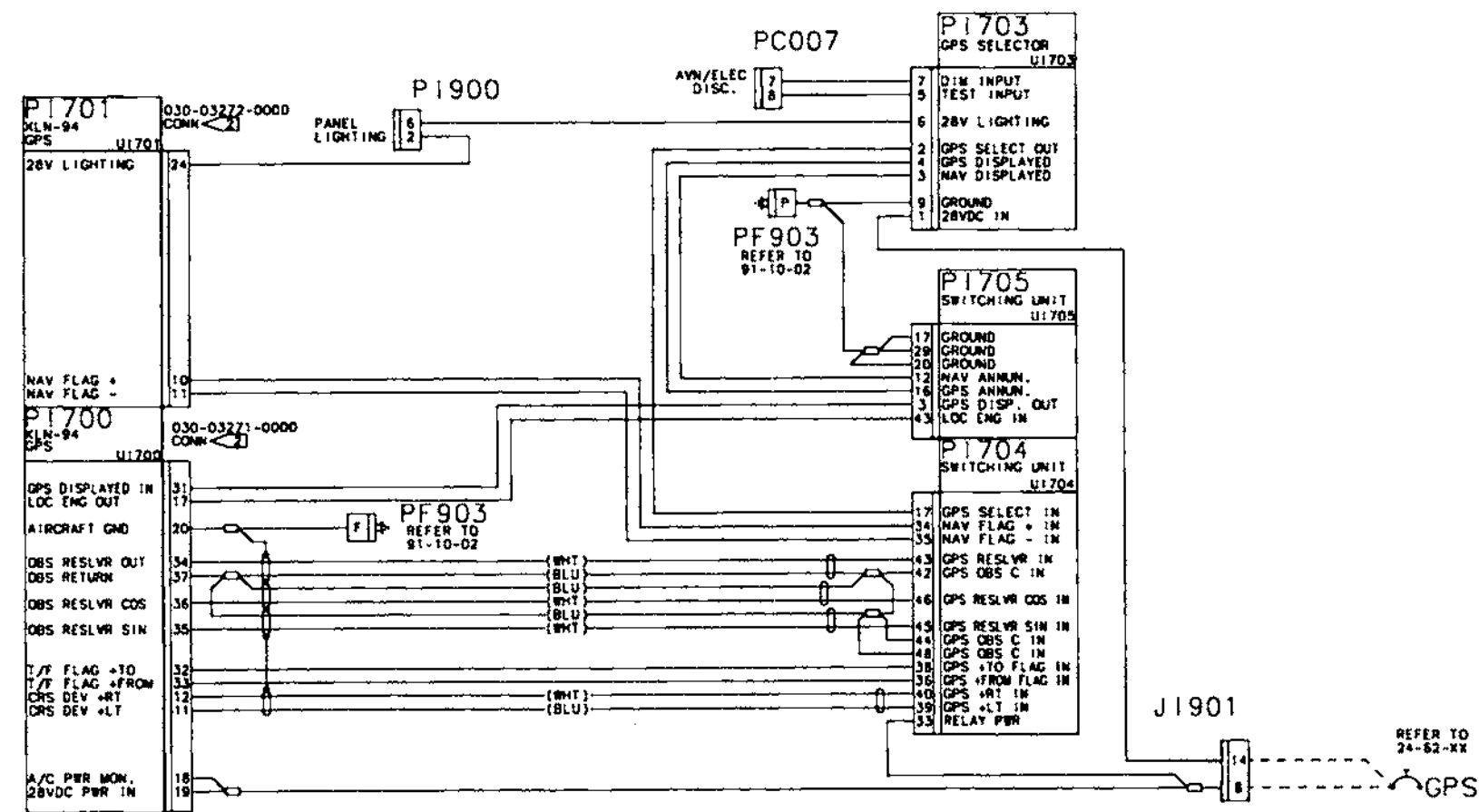
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
01			KLN-94 GLOBAL POSITIONING SYSTEM		
			17280984 & ON		
			172S8704 & ON		
			NAV I WADF		
GS309	3910276-2		GROUND STUD (ZONE 225)		01
J1901	S2350-3		CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01
	S2353-5		PIN		AR
PC007	S1640-9		CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220)		01
	S1635-1		PIN		AR
PC1008	225555-6		CONNECTOR NAV/COMM ANTENNA COAX DISCONNECT (ZONE V00779 210)		01
	79125		ADAPTER	V13511	01
PC800	M24308/2-2		CONNECTOR ENCODING ALTIMETER (ZONE 221)		01
	M24308/25-9		SCREW LOCK ASSEMBLY		01
	M85049/48-2-2F		CLAMP ALTERNATE FOR S2492-1		01
	S2492-1		CLAMP		01
PF903	SK2701		CONNECTOR (ZONE 221)	V28198	01
	FC116N2		CONTACT	V28198	AR
	FC120N2		CONTACT		AR
PI1011	030-00101-0002		CONNECTOR GPS RECEIVER (ZONE 225)	V22373	01
	050-03321-0000		CONNECTOR KIT	V22373	01
PI511	030-01094-0088		CONNECTOR KX155A NAV/COMM DISCONNECT (ZONE 225)		01
	050-03378-0000		CONNECTOR KIT		01
	050-03378-0001		CONNECTOR KIT		01
PI512	030-01094-0088		CONNECTOR (ZONE 225)		01
	050-03378-0001		CONNECTOR KIT		01
PI516	030-01094-0058		CONNECTOR AUDIO PANEL DISCONNECT (ZONE 225)		01
	050-03613-0001		CONNECTOR KIT		01
PI604	030-01176-0000		CONNECTOR KI209A INDICATOR DISCONNECT (ZONE 220)		01
	050-01550-0001		CONNECTOR KIT		01
PI700	030-03271-0000		CONNECTOR KLN-89B GPS RECEIVER DISCONNECT (ZONE 225)		01
	050-03321-0000		CONNECTOR KIT		01
PI701	030-03272-0000		CONNECTOR GPS RECEIVER (ZONE 225)		01
PI703	RD9F00JVL0		CONNECTOR NAV/GPS SWITCH ANNUNCIATOR (ZONE 220)	V28198	01
	FC6020D		CONTACT	V28198	AR
PI900	S3070-9		CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01
	LMD6106P		BUSSING MODULE	V49367	01
	LMS01T-TL		SPLICE CONNECTOR	V49367	01
	S2353-5		PIN		AR
UC1008	070-01553-0200		ANTENNA GPS (ZONE 210)		01
	187-01831-0000		GASKET		01
UC800	SSD120-30A		ENCODING ALTIMETER (ZONE 225)	V57323	01
				80701 & ON	
				8115 & ON	
UI511	S3100-179		NAV/COMM KX-155A (ZONE 211)	80813 & ON	01
				8320 & ON	
UI512	S3100-179		NAV/COMM KX-155A (ZONE 211)	80813 & ON	01
				8320 & ON	
UI516	3910310-19		AUDIO PANEL KMA-28	80984 & ON	01
				8704 & ON	
UI604	S3100-158		INDICATOR KI-209A (ZONE 210)	80780 & ON	01
				8262 & ON	
UI700	066-01148-1111		RECEIVER GPS (ZONE 225)	V22373	01
				80001 80983	
				8001 8703	
UI700	069-01034-0101		RECEIVER GPS (ZONE 225)	V22373	01
				80984 & ON	
				8704 & ON	
UI701	069-01034-0101		RECEIVER GPS (ZONE 225)	V22373	01
				80978 & ON	
				8704 & ON	
UI703			SELECTOR GPS		RF

- ITEM NOT ILLUSTRATED

Figure 01

Page 1

NOTES:
ALL WIRE 22AWG UNLESS OTHERWISE NOTED.
PART OF ALLIED SIGNAL KIT 050-03321-0000.



KLN-94 GLOBAL POSITIONING SYSTEM
Figure 01 (Sheet 1)

3928114B1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES		1 2 3 4 5 6 7		FROM TO	PER ASSY
01			KLN-94 GLOBAL POSITIONING SYSTEM		
			17280984 & ON		
			172S8704 & ON		
			NAV II W/HSI, ADF, MFD		
	J1901	S2350-3	CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01 R
			PIN		ARR
	PC007	S2353-5	CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220)		01 R
		S1640-9	PIN		ARR
		S1635-1	PIN		ARR
	PF903	SK2701	CONNECTOR (ZONE 221)	V28198	01 R
		FC116N2	CONTACT	V28198	ARR
		FC120N2	CONTACT		ARR
	PI700	030-03271-0000	CONNECTOR KLN-89B GPS RECEIVER DISCONNECT (ZONE 225)		01 R
			CONNECTOR KIT		01 R
	PI701	050-03321-0000	CONNECTOR GPS RECEIVER (ZONE 225)		01 R
	PI703	030-03272-0000	CONNECTOR NAV/GPS SWITCH ANNUNCIATOR (ZONE 220)	V28198	01 R
		RD9F00JVL0	CONTACT	V28198	ARR
		FC6020D	CONTACT	V28198	ARR
	PI704	RD50F10JVL0	CONNECTOR RELAY SWITCHING UNIT (ZONE 221)	V28198 80694 & ON	01 R
				8113 & ON	
	PI705	RD50M10JVL0	CONNECTOR RELAY SWITCHING UNIT (ZONE 221)	V28198 80694 & ON	01 R
				8113 & ON	
	PI900	S3070-9	CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01 R
		LMD6106P	BUSSING MODULE	V49367	01 R
		LMS01T-TL	SPLICE CONNECTOR	V49367	01 R
		S2353-5	PIN		ARR
	UI700	069-01034-0101	RECEIVER GPS (ZONE 225)	V22373 80984 & ON	01 R
				8704 & ON	
	UI701	069-01034-0101	RECEIVER GPS (ZONE 225)	V22373 80978 & ON	01 R
				8704 & ON	
	UI703		SELECTOR GPS		RFR
	UI704		SWITCHING UNIT		RFR
	UI705		SWITCHING UNIT		RFR

- ITEM NOT ILLUSTRATED

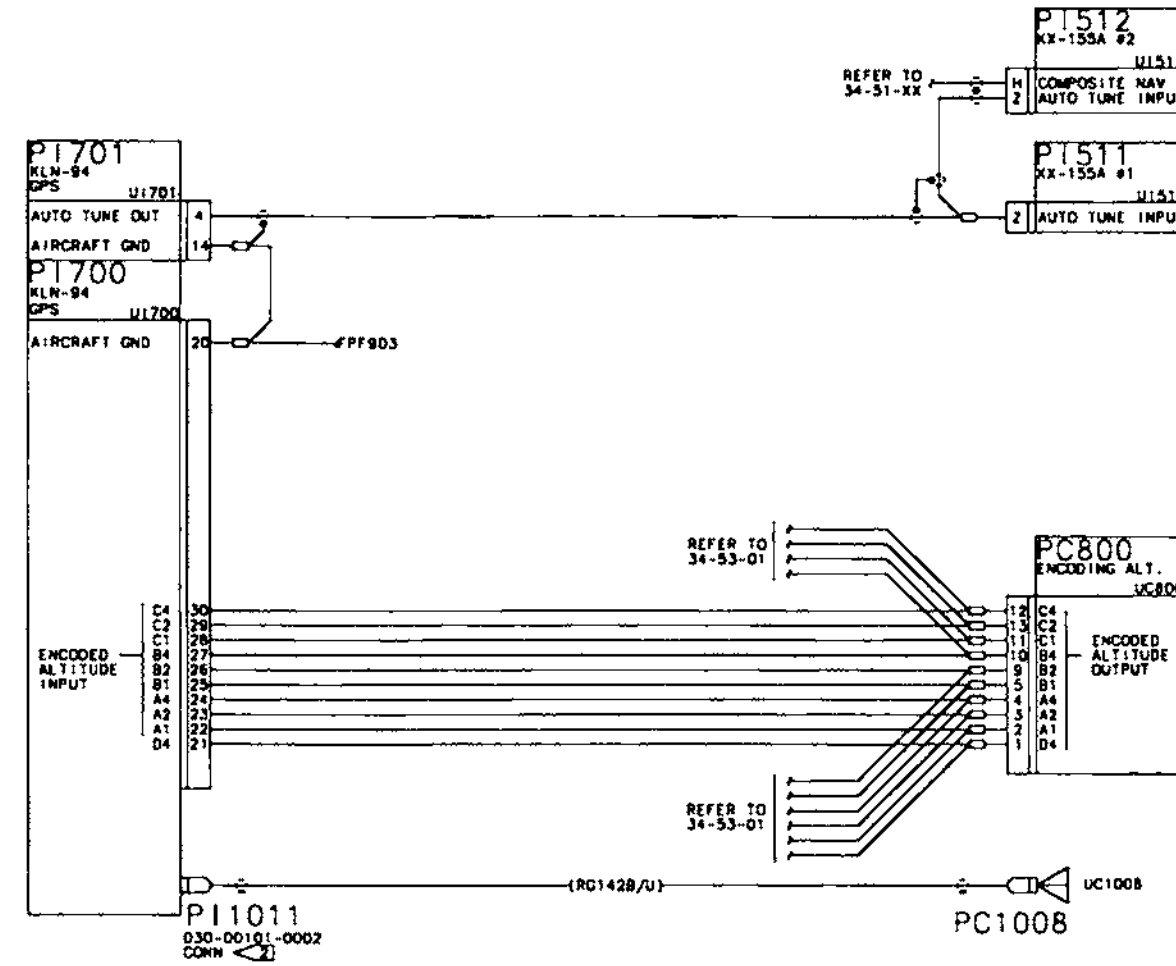
Figure 01

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

NOTES:

1. ALL WIRE 22AWG UNLESS OTHERWISE NOTED.
2. PART OF ALLIED SIGNAL KIT 050-03321-0000.



392811482

KLN-94 GLOBAL POSITIONING SYSTEM
Figure 01 (Sheet 2)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
			1 2 3 4 5 6 7		ASSY
01			KLN-94 GLOBAL POSITIONING SYSTEM		
			17280984 & ON		
			172S8704 & ON		
			NAV II W/HSI, ADF, MFD		
	PC1008	225555-6	CONNECTOR NAV/COMM ANTENNA COAX DISCONNECT (ZONE V00779		01 R
			210)		
		79125	ADAPTER	V13511	01 R
	PC800	M24308/2-2	CONNECTOR ENCODING ALTIMETER (ZONE 221)		01 R
		M24308/25-9	SCREW LOCK ASSEMBLY		01 R
		M85049/48-2-2F	CLAMP ALTERNATE FOR S2492-1		01 R
		S2492-1	CLAMP		01 R
	PI1011	030-00101-0002	CONNECTOR GPS RECEIVER (ZONE 225)	V22373	01 R
		050-03321-0000	CONNECTOR KIT	V22373	01 R
	PI511	030-01094-0088	CONNECTOR KX155A NAV/COMM DISCONNECT (ZONE 225)		01 R
		050-03378-0000	CONNECTOR KIT		01
		050-03378-0001	CONNECTOR KIT		01
	PI512	030-01094-0088	CONNECTOR (ZONE 225)		01 R
		050-03378-0001	CONNECTOR KIT		01 R
	PI700	030-03271-0000	CONNECTOR KLN-89B GPS RECEIVER DISCONNECT (ZONE		01 R
			225)		
		050-03321-0000	CONNECTOR KIT		01 R
	PI701	030-03272-0000	CONNECTOR GPS RECEIVER (ZONE 225)		01 R
	UC1008	070-01553-0200	ANTENNA GPS (ZONE 210)		01 R
		187-01831-0000	GASKET		01 R
	UC800	SSD120-30A	ENCODING ALTIMETER (ZONE 225)	V57323 80701 & ON	01 R
				8115 & ON	
	UI511	S3100-179	NAV/COMM KX-155A (ZONE 211)	80813 & ON	01 R
				8320 & ON	
	UI512	S3100-179	NAV/COMM KX-155A (ZONE 211)	80813 & ON	01 R
				8320 & ON	
	UI700	069-01034-0101	RECEIVER GPS (ZONE 225)	V22373 80984 & ON	01 R
				8704 & ON	
	UI701	069-01034-0101	RECEIVER GPS (ZONE 225)	V22373 80978 & ON	01 R
				8704 & ON	

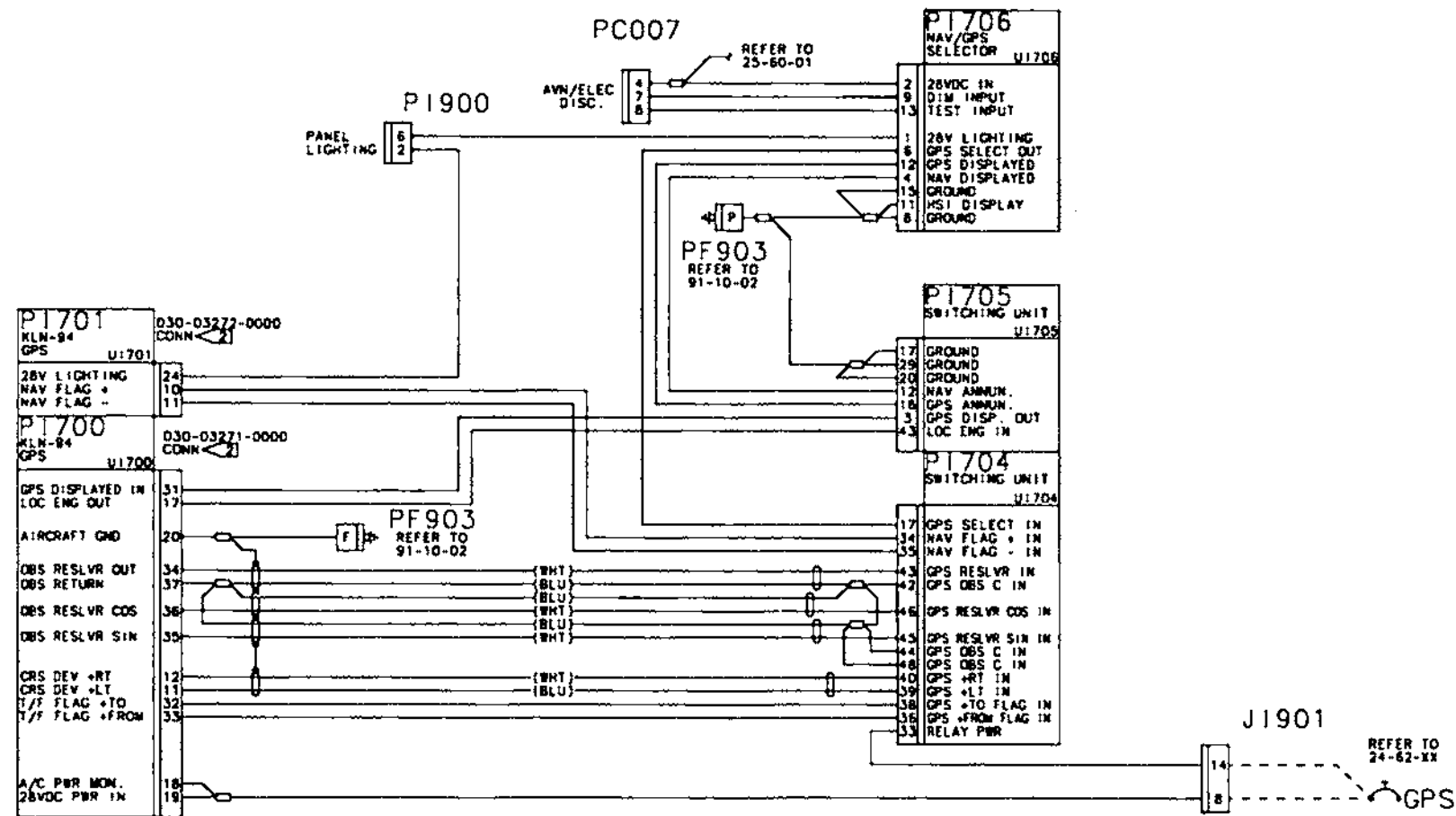
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Figure 01

Page 3

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

NOTES:
1. ALL WIRE 22AWG UNLESS OTHERWISE NOTED.
2. PART OF INSTALLATION KIT 050-03321-0000.



3928121A1

KLN-94 GLOBAL POSITIONING SYSTEM
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

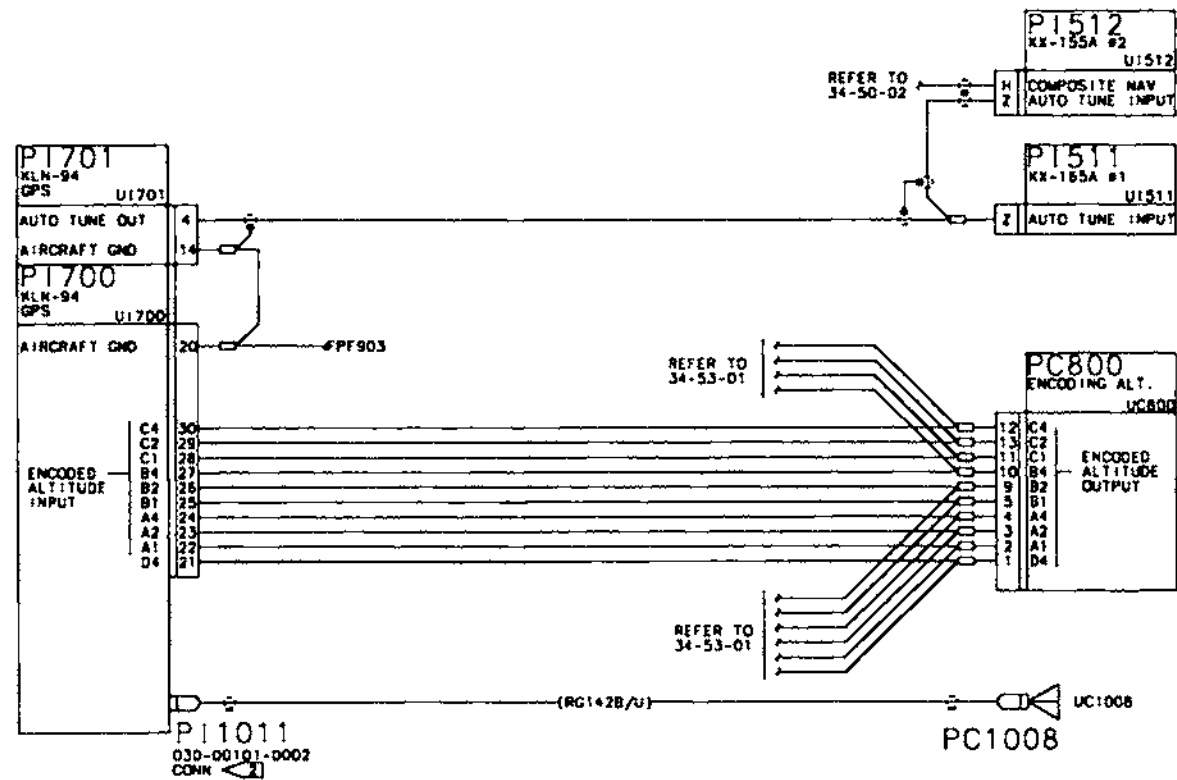
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES		1 2 3 4 5 6 7		FROM TO	PER ASSY
01			KLN-94 GLOBAL POSITIONING SYSTEM		
			1721098 & ON		
			172S9063 & ON		
			NAV II W/HSI, MFD, ADF, FIS		
	J1901	S2350-3	CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01 R
		S2353-5	PIN		ARR
	PC007	S1640-9	CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220)		01 R
		S1635-1	PIN		ARR
	PF903	SK2701	CONNECTOR (ZONE 221)	V28198	01 R
		FC116N2	CONTACT	V28198	ARR
		FC120N2	CONTACT		ARR
	PI700	030-03271-0000	CONNECTOR KLN-89B GPS RECEIVER DISCONNECT (ZONE 225)		01 R
		050-03321-0000	CONNECTOR KIT		01 R
	PI701	030-03272-0000	CONNECTOR GPS RECEIVER (ZONE 225)		01 R
	PI704	RD50F10JVL0	CONNECTOR RELAY SWITCHING UNIT (ZONE 221)	V28198 80694 & ON	01 R
				8113 & ON	
	PI705	RD50M10JVL0	CONNECTOR RELAY SWITCHING UNIT (ZONE 221)	V28198 80694 & ON	01 R
				8113 & ON	
	PI706	RD15F00JVL0	CONNECTOR ANNUNCIATOR (ZONE 211)	V28198	01 R
		FC6020D	CONTACT	V28198	ARR
	PI900	S3070-9	CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01 R
		LMD6106P	BUSSING MODULE	V49367	01 R
		LMS01T-TL	SPLICE CONNECTOR	V49367	01 R
		S2353-5	PIN		ARR
	UI700	069-01034-0101	RECEIVER GPS (ZONE 225)	V22373 80984 & ON	01 R
				8704 & ON	
	UI701	069-01034-0101	RECEIVER GPS (ZONE 225)	V22373 80978 & ON	01 R
				8704 & ON	
	UI704		SWITCHING UNIT		RF R
	UI705		SWITCHING UNIT		RF R
	UI706		SWITCH NAV/GPS SELECTOR		RF R

- ITEM NOT ILLUSTRATED

Figure 01

Page 1

NOTES:
ALL WIRE 22AWG UNLESS OTHERWISE NOTED.
PART OF INSTALLATION KIT D5D-03321-0000.



KLN-94 GLOBAL POSITIONING SYSTEM
Figure 01 (Sheet 2)

3928121A2

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES		1 2 3 4 5 6 7		FROM TO	PER ASSY
01			KLN-94 GLOBAL POSITIONING SYSTEM		
			17281098 & ON		
			172S9063 & ON		
			NAV II W/HSI		
PC1008	225555-6		CONNECTOR NAV/COMM ANTENNA COAX DISCONNECT (ZONE V00779		01 R
			210)		
			ADAPTER	V13511	01 R
PC800	79125		CONNECTOR ENCODING ALTIMETER (ZONE 221)		01 R
	M24308/2-2		SCREW LOCK ASSEMBLY		01 R
	M24308/25-9		CLAMP ALTERNATE FOR S2492-1		01 R
	M85049/48-2-2F		CLAMP		01 R
	S2492-1		CONNECTOR GPS RECEIVER (ZONE 225)	V22373	01 R
PI1011	030-00101-0002		CONNECTOR KIT	V22373	01 R
	050-03321-0000		CONNECTOR KX155A NAV/COMM DISCONNECT (ZONE 225)		01 R
PI511	030-01094-0088		CONNECTOR KIT		01
	050-03378-0000		CONNECTOR KIT		01
PI512	030-01094-0088		CONNECTOR (ZONE 225)		01 R
	050-03378-0001		CONNECTOR KIT		01 R
PI700	030-03271-0000		CONNECTOR KLN-89B GPS RECEIVER DISCONNECT (ZONE		01 R
			225)		
	050-03321-0000		CONNECTOR KIT		01 R
PI701	030-03272-0000		CONNECTOR GPS RECEIVER (ZONE 225)		01 R
UC1008	070-01553-0200		ANTENNA GPS (ZONE 210)		01 R
	187-01831-0000		GASKET		01 R
UC800	SSD120-30A		ENCODING ALTIMETER (ZONE 225)	V57323 80701 & ON	01 R
				8115 & ON	
UI511	S3100-179		NAV/COMM KX-155A (ZONE 211)	80813 & ON	01 R
				8320 & ON	
UI512	S3100-179		NAV/COMM KX-155A (ZONE 211)	80813 & ON	01 R
				8320 & ON	
UI700	069-01034-0101		RECEIVER GPS (ZONE 225)	V22373 80984 & ON	01 R
				8704 & ON	
UI701	069-01034-0101		RECEIVER GPS (ZONE 225)	V22373 80978 & ON	01 R
				8704 & ON	

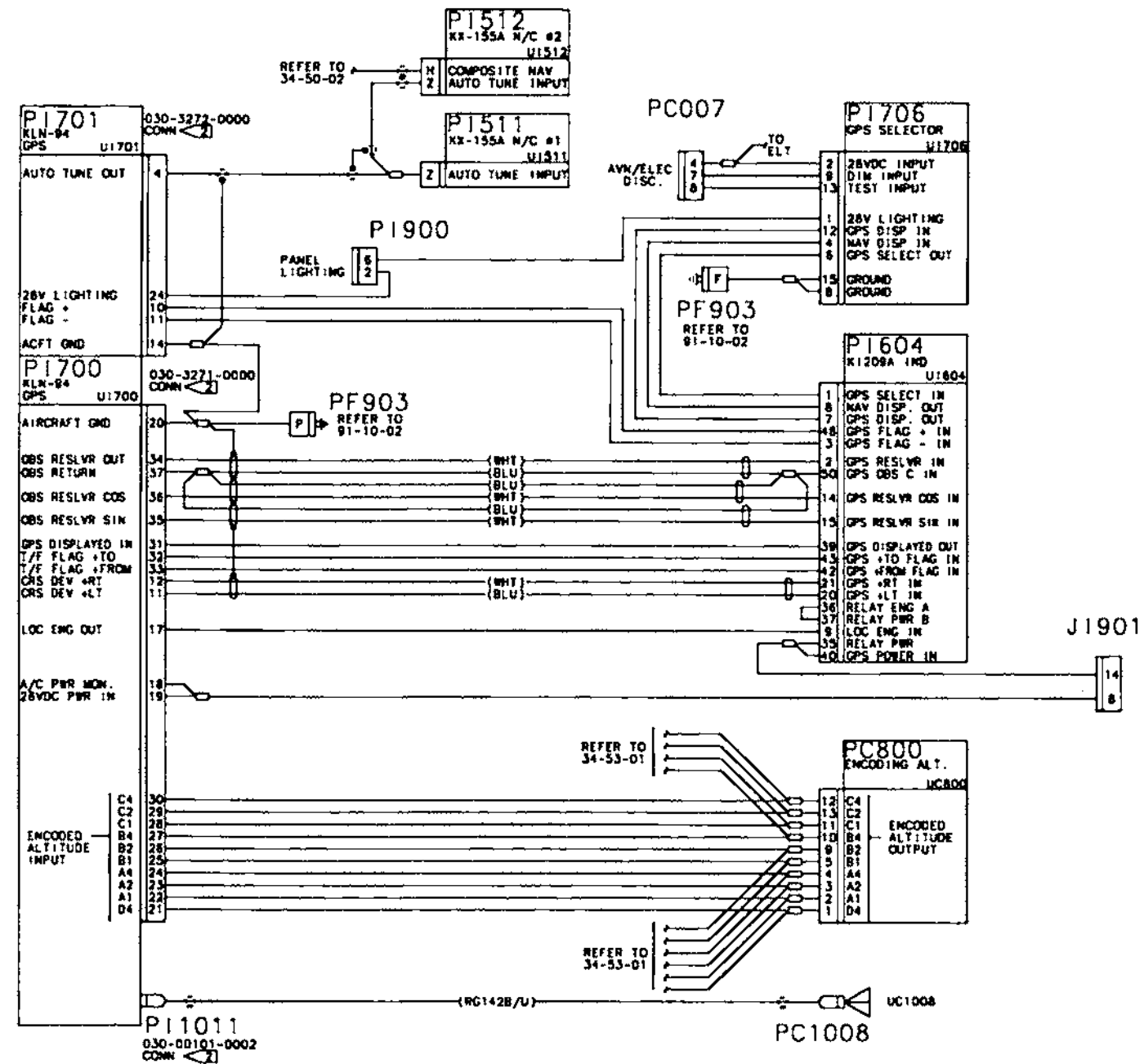
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Figure 01

Page 3

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

1. ALL WIRE 22AWG UNLESS OTHERWISE NOTED.
2. PART OF ALLIED SIGNAL KIT 050-03321-0000.



KLN-94 GLOBAL POSITIONING SYSTEM
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

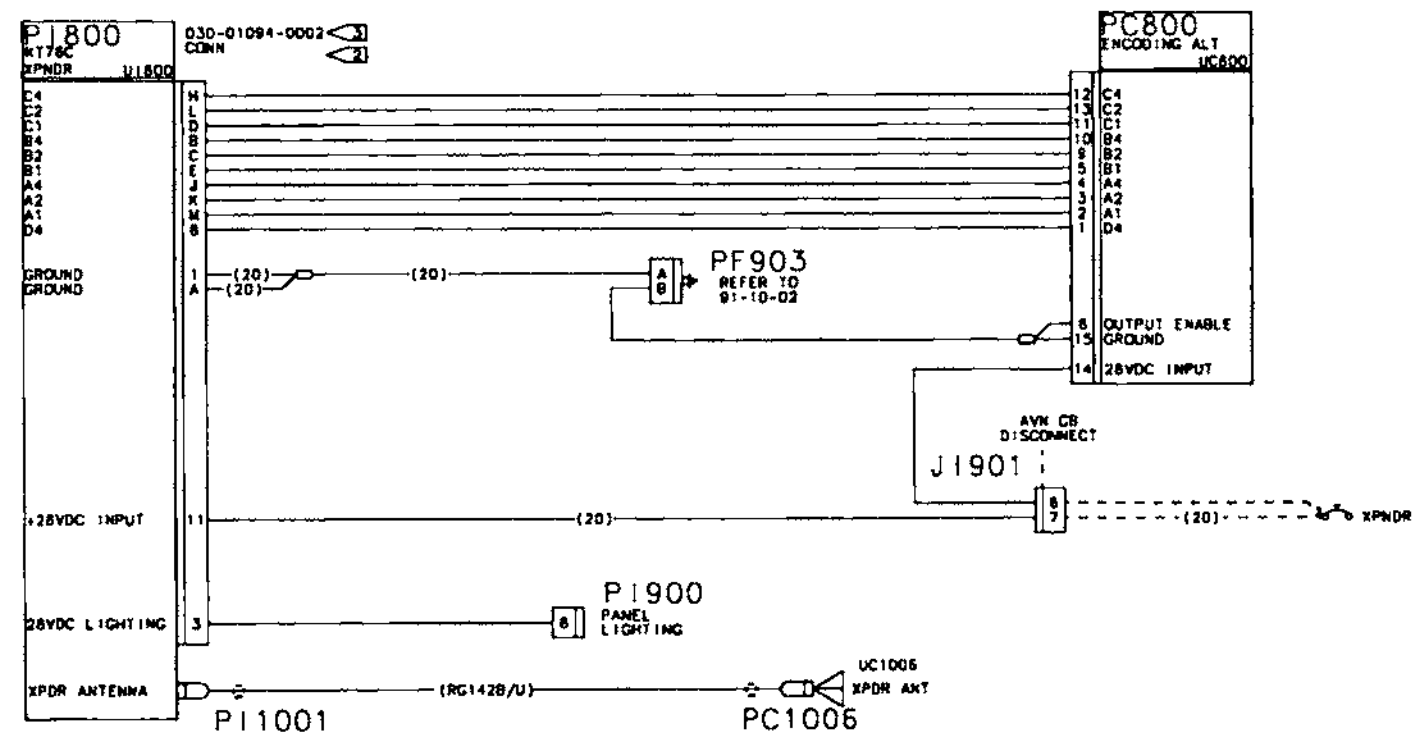
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
01			KLN-94 GLOBAL POSITIONING SYSTEM		
			17281098 & ON		
			172S9063 & ON		
			NAV II		
	J1901	S2350-3	CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01 R
	-	S2353-5	PIN		AR R
	PC007	S1640-9	CONNECTOR AVIONICS/ELECTRICAL DISCONNECT (ZONE 220)		01 R
	-	S1635-1	PIN		AR R
	PC1008	225555-6	CONNECTOR NAV/COMM ANTENNA COAX DISCONNECT (ZONE V00779 210)		01 R
	-	79125	ADAPTER	V13511	01 R
	PC800	M24308/2-2	CONNECTOR ENCODING ALTIMETER (ZONE 221)		01 R
	-	M24308/25-9	SCREW LOCK ASSEMBLY		01 R
	-	M85049/48-2-2F	CLAMP ALTERNATE FOR S2492-1		01 R
	-	S2492-1	CLAMP		01 R
	PF903	SK2701	CONNECTOR (ZONE 221)	V28198	01 R
	-	FC116N2	CONTACT	V28198	AR R
	-	FC120N2	CONTACT		AR R
	PI1011	030-00101-0002	CONNECTOR GPS RECEIVER (ZONE 225)	V22373	01 R
	-	050-03321-0000	CONNECTOR KIT	V22373	01 R
	PI511	030-01094-0088	CONNECTOR KX155A NAV/COMM DISCONNECT (ZONE 225)		01 R
	-	050-03378-0000	CONNECTOR KIT		01
	-	050-03378-0001	CONNECTOR KIT		01
	PI512	030-01094-0088	CONNECTOR (ZONE 225)		01 R
	-	050-03378-0001	CONNECTOR KIT		01 R
	PI604	030-01176-0000	CONNECTOR KI209A INDICATOR DISCONNECT (ZONE 220)		01 R
	-	050-01550-0001	CONNECTOR KIT		01 R
	PI700	030-03271-0000	CONNECTOR KLN-89B GPS RECEIVER DISCONNECT (ZONE 225)		01 R
	-	050-03321-0000	CONNECTOR KIT		01 R
	PI701	030-03272-0000	CONNECTOR GPS RECEIVER (ZONE 225)		01 R
	PI706	RD15F00JVL0	CONNECTOR ANNUNCIATOR (ZONE 211)	V28198	01 R
	-	FC6020D	CONTACT	V28198	AR R
	PI900	S3070-9	CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01 R
	-	LMD6106P	BUSING MODULE	V49367	01 R
	-	LMS01T-TL	SPLICE CONNECTOR	V49367	01 R
	-	S2353-5	PIN		AR R
	UC1008	070-01553-0200	ANTENNA GPS (ZONE 210)		01 R
	-	187-01831-0000	GASKET		01 R
	UC800	SSD120-30A	ENCODING ALTIMETER (ZONE 225)	V57323	01 R
	UI511	S3100-179	NAV/COMM KX-155A (ZONE 211)	80701 & ON	01 R
	UI512	S3100-179	NAV/COMM KX-155A (ZONE 211)	8115 & ON	01 R
	UI604	S3100-158	INDICATOR KI-209A (ZONE 210)	80813 & ON	01 R
	UI700	069-01034-0101	RECEIVER GPS (ZONE 225)	8320 & ON	01 R
	UI701	069-01034-0101	RECEIVER GPS (ZONE 225)	80813 & ON	01 R
	UI706		SWITCH NAV/GPS SELECTOR	8320 & ON	RF R
				80780 & ON	
				8262 & ON	
				80984 & ON	
				8704 & ON	
				80978 & ON	
				8704 & ON	

- ITEM NOT ILLUSTRATED

Figure 01

Page 1

NOTES:
1. ALL WIRE 22 AWG UNLESS OTHERWISE NOTED.
2. INSTALL POLARIZING PIN BETWEEN PINS 3 & 4.
3. PART OF ALLIED SIGNAL INSTL KIT 050-01577-0001.



3923111_1

KT-76C TRANSPONDER
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

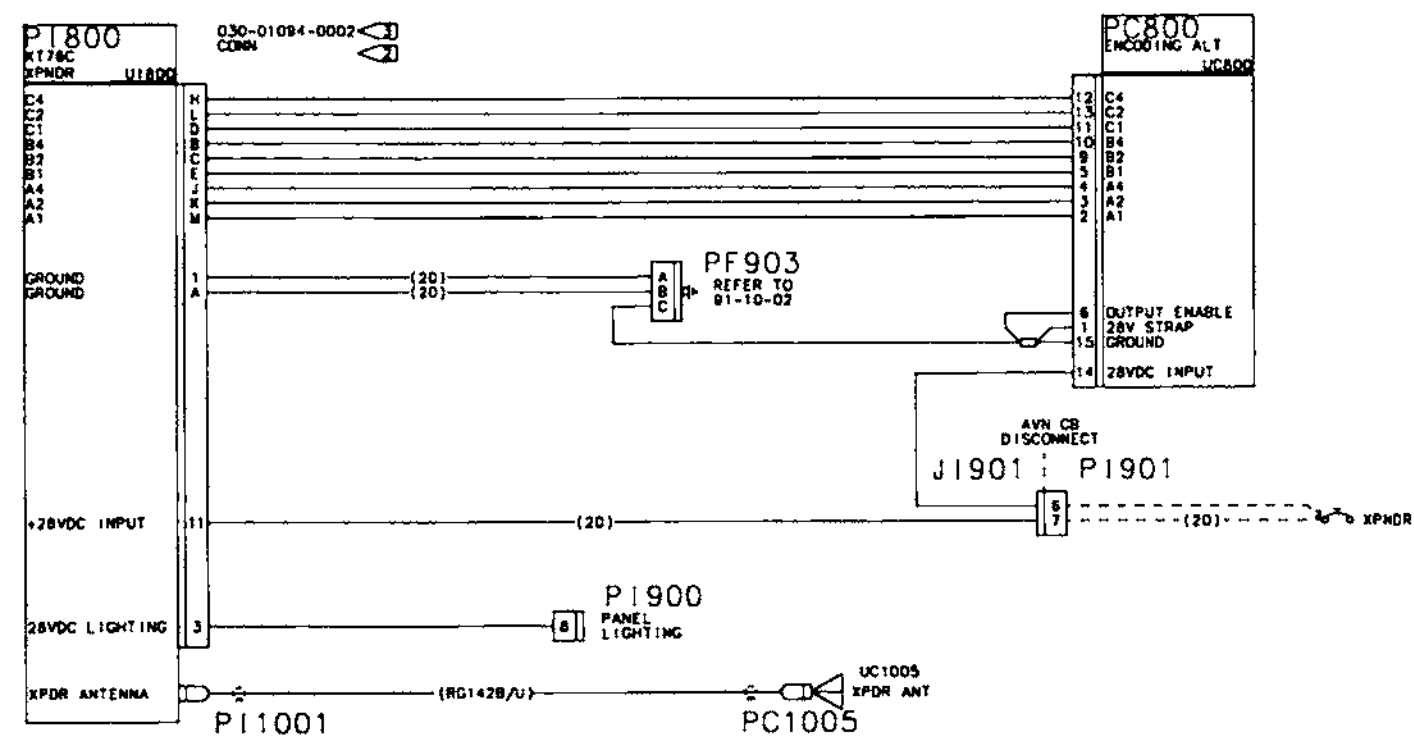
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
	DES			FROM TO	PER ASSY
01			KT-76C TRANSPONDER 17280852 THRU 17280983 172S8372 THRU 172S8703 NAV II, NAV II W/HSI		
	J1901	S2350-3	CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01 R
-		S2353-5	PIN		ARR
	PC1006	UG913A/U	CONNECTOR TRANSPONDER ANTENNA COAX (ZONE 310)	80852 & ON 8372 & ON	01 R
	PC800	M24308/2-2	CONNECTOR ENCODING ALTIMETER (ZONE 221)		01 R
-		M24308/25-9	SCREW LOCK ASSEMBLY		01 R
-		M85049/48-2-2F	CLAMP ALTERNATE FOR S2492-1		01 R
-		S2492-1	CLAMP		01 R
	PF903	SK2701	CONNECTOR (ZONE 221)	V28198	01 R
-		FC116N2	CONTACT	V28198	ARR
-		FC120N2	CONTACT		ARR
	PI1001	030-00101-0002	CONNECTOR GPS RECEIVER/TRANSPONDER COAX (ZONE 225)	V22373	01 R
	PI800	030-01094-0002	CONNECTOR TRANSPONDER DISCONNECT (ZONE 225)		01 R
-		050-01577-0001	CONNECTOR KIT		01 R
	PI900	S3070-9	CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01 R
-		LMD6106P	BUSSING MODULE	V49367	01 R
-		LMS01T-TL	SPLICE CONNECTOR	V49367	01 R
-		S2353-5	PIN		ARR
	UC1006	C1105	ANTENNA TRANSPONDER (ZONE 310)	V51351	01 R
	UC800	SSD120-30A	ENCODING ALTIMETER (ZONE 225)	V57323 80701 & ON 8115 & ON	01 R
	UI800	066-01156-0101	TRANSPONDER KT-76C (ZONE 225)		01 R

- ITEM NOT ILLUSTRATED

Figure 01

Page 1

NOTES:
ALL WIRE 22 AWG UNLESS OTHERWISE NOTED.
INSTALL POLARIZING PIN BETWEEN PINS 3 & 4.
PART OF ALLIED SIGNAL INSTL KIT 050-01577-0001.



3923103_1

KT-76C TRANSPONDER
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

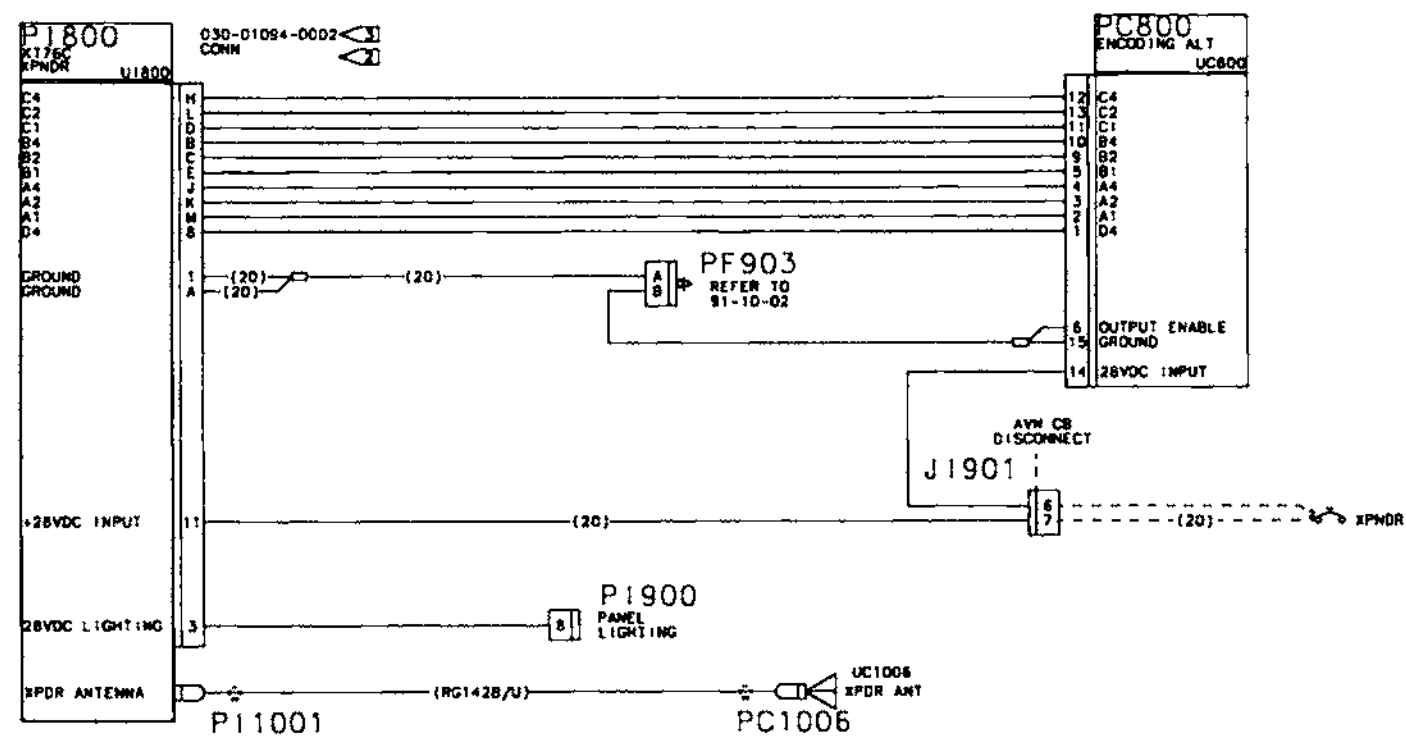
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
	DES			FROM TO	PER
					ASSY
02			KT-76C TRANSPONDER		
			17280001 THRU 17280983		
			172S8001 THRU 172S8703		
			NAV II, NAV II W/HSI		
			17280001 THRU 17280851		
			172S8001 THRU 172S8371		
			NAV III		
			172S8348 THRU 172S8371		
	J1901	S2350-3	CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01 R
		S2353-5	PIN		ARR
	PC1005	UG913A/U	CONNECTOR TRANSPONDER ANTENNA COAX (ZONE 310)	80001 80983	01 R
				8001 8703	
	PC800	M24308/2-2	CONNECTOR ENCODING ALTIMETER (ZONE 221)		01 R
		M24308/25-9	SCREW LOCK ASSEMBLY		01 R
		M85049/48-2-2F	CLAMP ALTERNATE FOR S2492-1		01 R
		S2492-1	CLAMP		01 R
	PF903	SK2701	CONNECTOR (ZONE 221)	V28198	01 R
		FC116N2	CONTACT	V28198	ARR
		FC120N2	CONTACT		ARR
	PI1001	030-00101-0002	CONNECTOR GPS RECEIVER/TRANSPONDER COAX (ZONE 225)	V22373	01 R
	PI800	030-01094-0002	CONNECTOR TRANSPONDER DISCONNECT (ZONE 225)		01 R
		050-01577-0001	CONNECTOR KIT		01 R
	PI900	S3070-9	CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01 R
		LMD6106P	BUSSING MODULE	V49367	01 R
		LMS01T-TL	SPLICE CONNECTOR	V49367	01 R
		S2353-5	PIN		ARR
	PI901	S2349-1	CONNECTOR AVIONICS CIRCUIT BREAKER PANEL (ZONE 224)		01 R
		S2099-3	CONTACT		ARR
		S2099-4	CONTACT		ARR
	UC1005	C1105	ANTENNA TRANSPONDER (ZONE 310)		01 R
	UC800	SSD120-20	ENCODING ALTIMETER (ZONE 225)	V57323 80001 80700	01 R
				8001 8114	
	UC800	SSD120-30A	ENCODING ALTIMETER (ZONE 225)	V57323 80701 & ON	01 R
				8115 & ON	
	UI800	066-01156-0101	TRANSPONDER KT-76C (ZONE 225)		01 R

- ITEM NOT ILLUSTRATED

Figure 02

Page 1

NOTES:
1. ALL WIRE 22 AWG UNLESS OTHERWISE NOTED.
2. INSTALL POLARIZING PIN BETWEEN PINS 3 & 4.
3. PART OF ALLIED SIGNAL INSTL KIT 050-01577-0001.



3923112_1

KT-76C TRANSPONDER
Figure 03 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES		1 2 3 4 5 6 7		FROM TO	PER ASSY
03			KT-76C TRANSPONDER		
			17280984 & ON		
			172S8704 & ON		
	J1901	S2350-3	CONNECTOR AVIONICS COOLING FAN DISCONNECT (ZONE 220)		01 R
-		S2353-5	PIN		AR R
	PC1006	UG913A/U	CONNECTOR TRANSPONDER ANTENNA COAX (ZONE 310)	80852 & ON 8372 & ON	01 R
	PC800	M24308/2-2	CONNECTOR ENCODING ALTIMETER (ZONE 221)		01 R
-		M24308/25-9	SCREW LOCK ASSEMBLY		01 R
-		M85049/48-2-2F	CLAMP ALTERNATE FOR S2492-1		01 R
-		S2492-1	CLAMP		01 R
	PF903	SK2701	CONNECTOR (ZONE 221)	V28198	01 R
-		FC116N2	CONTACT	V28198	AR R
-		FC120N2	CONTACT		AR R
	PI1001	030-00101-0002	CONNECTOR GPS RECEIVER/TRANSPONDER COAX (ZONE 225)	V22373	01 R
	PI800	030-01094-0002	CONNECTOR TRANSPONDER DISCONNECT (ZONE 225)		01 R
-		050-01577-0001	CONNECTOR KIT		01 R
	PI900	S3070-9	CONNECTOR LIGHTING BUS DISCONNECT (ZONE 220)		01 R
-		LMD6106P	BUSSING MODULE	V49367	01 R
-		LMS01T-TL	SPLICE CONNECTOR	V49367	01 R
-		S2353-5	PIN		AR R
	UC1006	C1105	ANTENNA TRANSPONDER (ZONE 310)	V51351	01 R
	UC800	SSD120-30A	ENCODING ALTIMETER (ZONE 225)	V57323 80701 & ON 8115 & ON	01 R
	UI800	066-01156-0101	TRANSPONDER KT-76C (ZONE 225)		01 R

- ITEM NOT ILLUSTRATED

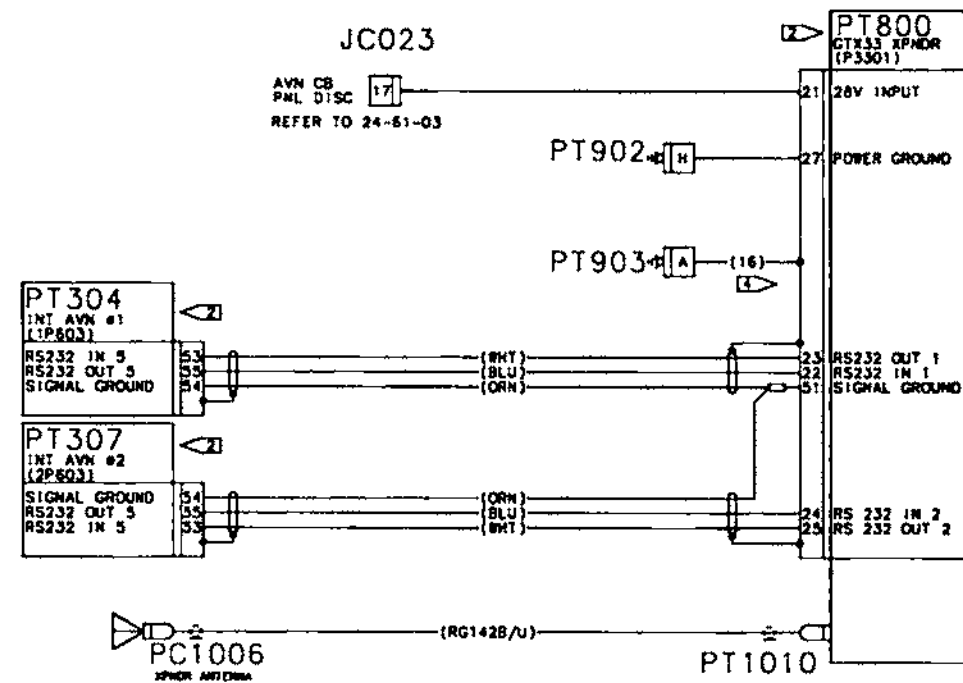
Figure 03

Page 1

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

NOTES:

1. ALL WIRE 22GAUGE UNLESS OTHERWISE NOTED.
2. GROUND SHIELDS TO THE BACKSHELL OF THE CONNECTOR USING THE GARMIN SUPPLIED GROUNDING WIRES FASTENED TO THE CONNECTOR. SHIELD WIRES SHOULD BE NO LONGER THAN 3".
3. THE FOLLOWING SPECS ARE PART OF THIS DRAWING:
 CSAMD12 SHIELDED CABLE INSTALLATION.
 CES2716 WIRE TERMINATIONS.
4. 16GA WIRE FROM APT903 TO THE CONNECTOR BACKSHELL IS PART OF THE GARMIN TERMINATED WIRE GROUP.



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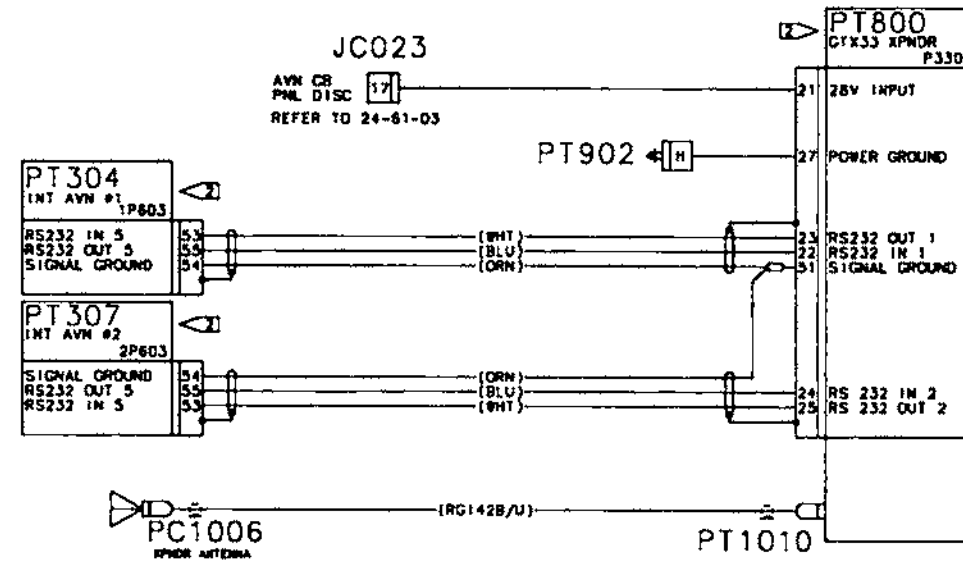
GTX33 TRANSPONDER
 Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	NOMENCLATURE	1234567	EFFECTIVITY FROM TO	UNITS PER ASSY
01		GTX33 TRANSPONDER 17281241 THRU 17281356 172S9810 THRU 172S10431 WITH NAV III OPTIONS			
JC023	S2350-10	CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		81241 & ON 9810 & ON	01
-	S2353-5	. . . PIN			AR
PC1006	UG913A/U	CONNECTOR TRANSPONDER ANTENNA COAX (ZONE 310)		80852 & ON 8372 & ON	01
PT1010	S3284-1	CONNECTOR TRANSPONDER		81241 & ON 9810 & ON	01
PT304	330-00185-78	CONNECTOR INTEGRATED AVIONICS BOX 1		81241 & ON 9810 & ON	01
PT307	330-00185-78	CONNECTOR INTEGRATED AVIONICS BOX 2		81241 & ON 9810 & ON	01
PT800		CONNECTOR GTX33 TRANSPONDER		81241 & ON 9810 & ON	RF
PT902	SK2701	CONNECTOR GROUND		81241 & ON 9810 & ON	01
-	FC120N2	. . . CONTACT			AR
PT903	SK2701	CONNECTOR GROUND		81241 81356 9810 10431	01
-	FC116N2	. . . CONTACT			AR
-	FC120N2	. . . CONTACT			AR

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



NOTES:

1. ALL WIRE 22GAUGE UNLESS OTHERWISE NOTED.
2. GROUND SHIELDS TO THE BACKSHELL OF THE CONNECTOR USING THE GARMIN SUPPLIED GROUNDING LUGS ON THE CONNECTOR. SHIELD WIRES SHOULD BE NO LONGER THAN 3". REFER TO GARMIN DOCUMENT 100-00313-08 FOR SHIELD BLOCK INSTALLATION INSTRUCTIONS.
3. THE FOLLOWING SPECS ARE PART OF THIS DRAWING: CSAMD12 SHIELDED CABLE INSTALLATION. CES2716 WIRE TERMINATIONS.

3923121_1

GTX33 TRANSPONDER
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
02		GTX33 TRANSPONDER 17281357 & ON 172S10432 & ON WITH NAV III OPTIONS		
JC023	S2350-10	. CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)	81241 & ON 9810 & ON	01 R
PC1006	S2353-5 UG913A/U	. . PIN . CONNECTOR TRANSPONDER ANTENNA COAX (ZONE 310)	80852 & ON 8372 & ON	AR R 01 R
PT1010	S3284-1	. CONNECTOR TRANSPONDER	81241 & ON 9810 & ON	01 R
PT304	330-00185-78	. CONNECTOR INTEGRATED AVIONICS BOX 1.	81241 & ON 9810 & ON	01 R
PT307	330-00185-78	. CONNECTOR INTEGRATED AVIONICS BOX 2.	81241 & ON 9810 & ON	01 R
PT800		. CONNECTOR GTX33 TRANSPONDER	81241 & ON 9810 & ON	RF R
PT902	SK2701	. CONNECTOR GROUND	81241 & ON 9810 & ON	01 R
-	FC120N2	. . CONTACT		AR R

- ITEM NOT ILLUSTRATED

CHAPTER

37

VACUUM

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

<u>CHAPTER SECTION SUBJECT</u>	<u>NUMBER OF PAGES</u>	<u>DATE</u>
37-Title	1	
37-List of Effective Pages	1	Jan 20/2006
37-Record of Revisions	1	
37-Contents	1	Jan 20/2006
37-20-00	2	Jan 20/2006 Deleted
37-20-01	2	Jan 20/2006 Added
Figure 01	2	Jan 20/2006 Deleted
Figure 01	2	Jan 20/2006 Added
Figure 02	2	Jan 20/2006 Added

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

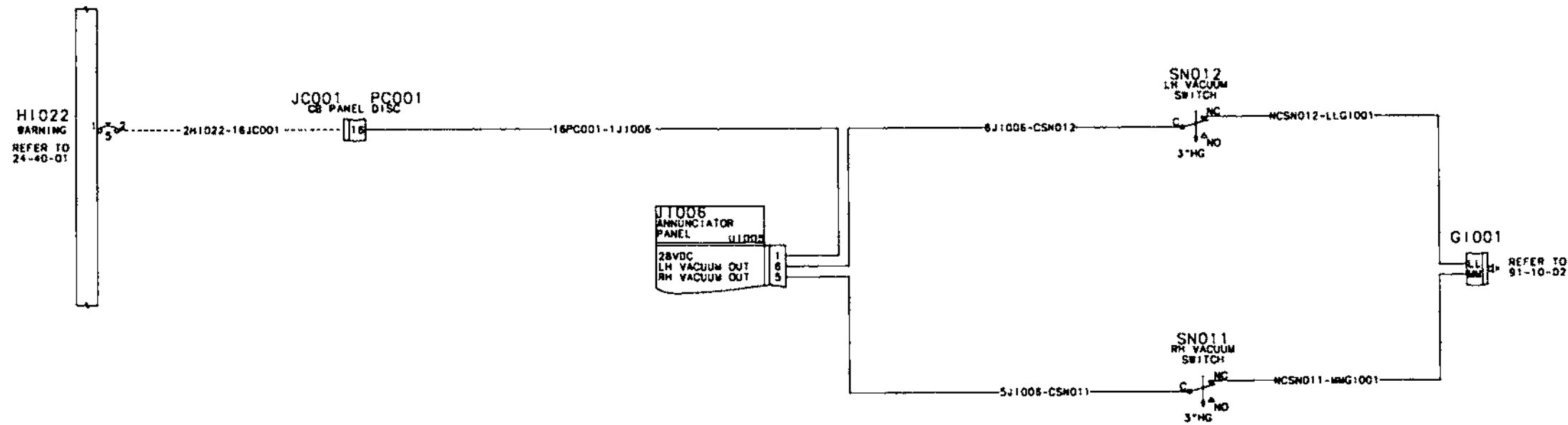
RECORD OF REVISIONS

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CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

<u>SUBJECT</u>	<u>CHAPTER/ SECTION/ SUBJECT</u>	<u>FIGURE</u>	<u>EFFECTIVITY</u> <u>START</u> <u>END</u>
VACUUM OUT WARNING	37-20-01	01	
VACUUM OUT WARNING	37-20-01	02	

NOTES:
1. ALL WIRE 22AWG. EXCEPT AS NOTED



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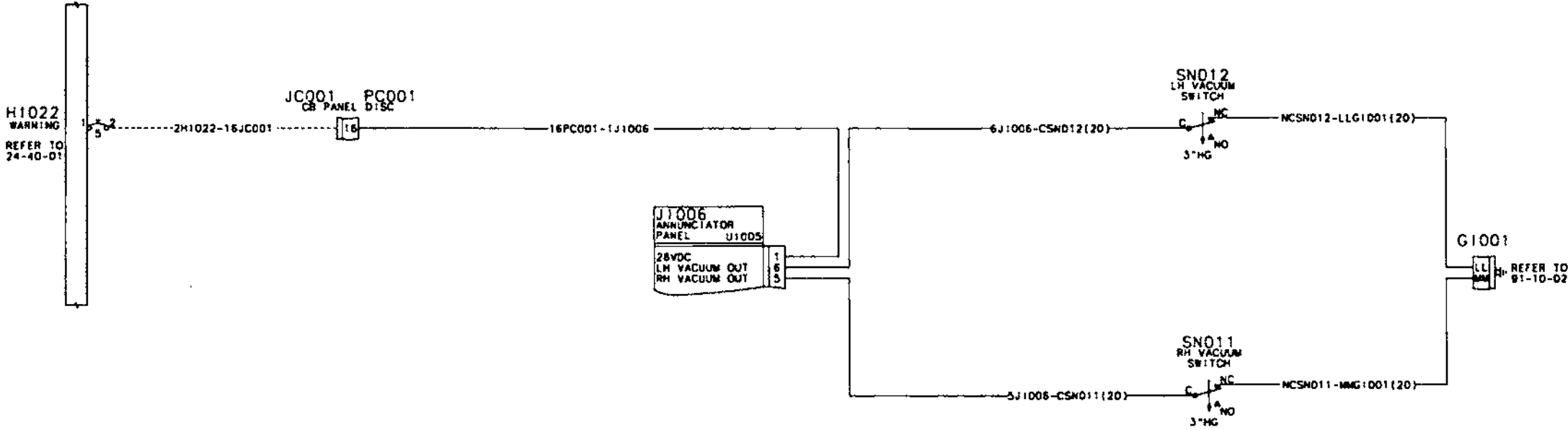
VACUUM OUT WARNING
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
	DES			FROM TO	PER ASSY
01			VACUUM OUT WARNING 17280001 THRU 17280983 172S8001 THRU 172S8703		
	GI001	S2527-1	CONNECTOR GROUND (ZONE 211)	80001 80883 8001 8402	01 R
-		203618-1	JACK SCREW		ARR
-		AN340-3	NUT		ARR
-		S2527-3	CLAMP		01 R
-		S2099-4	SOCKET	80001 81142	ARR
	GI001	200838-2	CONNECTOR GROUND (ZONE 211)	V00779 80884 & ON 8403 & ON	01 R
-		201846-1	CLAMP KIT		01 R
-		203618-1	JACK SCREW		ARR
-		AN340-3	NUT		ARR
-		S2099-4	SOCKET	80001 81142	ARR
-		S2099-3	CONTACT	81143 & ON	ARR
	HI022	S1360-5L	CIRCUIT BREAKER WARNING (ZONE 224)		01 R
	JC001	S2349-5	CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01 R
-		S2099-4	SOCKET		ARR
	JI006	770585-1	CONNECTOR ANNUNCIATOR DISCONNECT (ZONE 225)	V00779	01 R
-		170365-3	CONTACT	V00779	ARR
-		S3556-26	CONTACT		01 R
	PC001	S2350-10	CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01 R
-		S2353-4	PIN		ARR
-		S2353-5	PIN		ARR
	SN011	F7-16-4	SWITCH RIGHT VACUUM (ZONE 120)	V26433	01 R
	SN012	F7-16-4	SWITCH LEFT VACUUM (ZONE 120)	V26433	01 R
	UI005	CSEWCA-01	PANEL ANNUNCIATOR (ZONE 220)	V0GZF3 80001 80983 8001 8703	01 R

- ITEM NOT ILLUSTRATED

NOTES:
1. ALL WIRE 22AWG, EXCEPT AS NOTED



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VACUUM OUT WARNING
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
02		VACUUM OUT WARNING 17280984 & ON 172S8704 & ON WITHOUT NAV III OPTION		
GI001	200838-2	CONNECTOR GROUND (ZONE 211)	V00779 80884 & ON 8403 & ON	01 R
-	201846-1	CLAMP KIT		01 R
-	203618-1	JACK SCREW		AR R
-	AN340-3	NUT		AR R
-	S2099-4	SOCKET	80001 81142	AR R
-	S2099-3	CONTACT	81143 & ON	AR R
HI022	S1360-5L	CIRCUIT BREAKER WARNING (ZONE 224)		01 R
JC001	S2349-5	CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01 R
-	S2099-4	SOCKET		AR R
JI006	770585-1	CONNECTOR ANNUNCIATOR DISCONNECT (ZONE 225)	V00779	01 R
-	170365-3	CONTACT	V00779	AR R
-	S3556-26	CONTACT		01 R
PC001	S2350-10	CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01 R
-	S2353-4	PIN		AR R
-	S2353-5	PIN		AR R
SN011	F7-16-4	SWITCH RIGHT VACUUM (ZONE 120)	V26433	01 R
SN012	F7-16-4	SWITCH LEFT VACUUM (ZONE 120)	V26433	01 R
UI005	CSEWCA-01	PANEL ANNUNCIATOR (ZONE 220)	V0GZF3 80001 80983 8001 8703	01 R

- ITEM NOT ILLUSTRATED

Figure 02

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CHAPTER

73

**ENGINE FUEL
AND CONTROL**

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

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73-Title	1	
73-List of Effective Pages	1	Jan 20/2006
73-Record of Revisions	1	
73-Contents	1	Jan 20/2006
73-10-00	Figure 01	2 Jan 20/2006 Deleted
73-10-01	Figure 01	2 Jan 20/2006 Added
	Figure 02	2 Jan 20/2006 Added

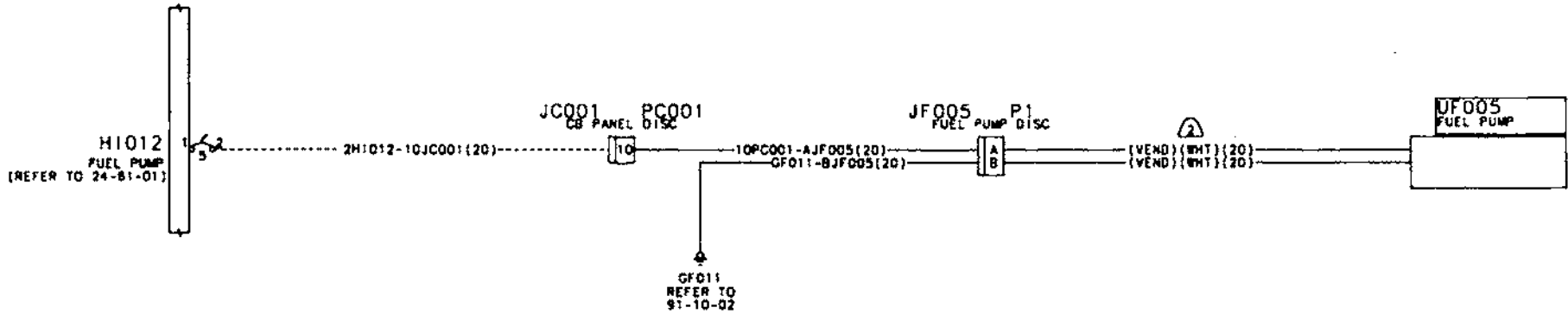
RECORD OF REVISIONS

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CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

<u>SUBJECT</u>	<u>CHAPTER/ SECTION/ SUBJECT</u>	<u>FIGURE</u>	<u>EFFECTIVITY</u> <u>START</u> <u>END</u>
FUEL PUMP	73-10-01	01	
FUEL PUMP	73-10-01	02	

NOTES:
1. ALL WIRE 22AWG. EXCEPT AS NOTED
2. WIRE & CONNECTOR SUPPLIED WITH FUEL PUMP.



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FUEL PUMP
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

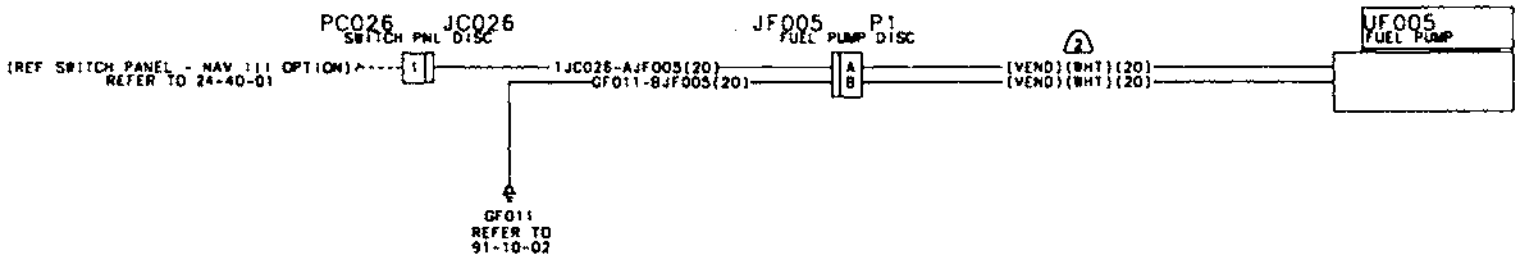
MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
	DES			FROM TO	PER
					ASSY
01			FUEL PUMP		
			17280001 & ON		
			172S8001 & ON		
			WITHOUT NAV III OPTION		
GF011	0508001-2		GROUND STUD (ZONE 211)		01 R
HI012	CM3589-5		CIRCUIT BREAKER FUEL PUMP (ZONE 224)		01 R
JC001	S2349-5		CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01 R
-	S2099-4		SOCKET		AR R
JF005	KTKSAD2022F150X2		CONNECTOR	V1F242	01 R
P1	S2035-1		CONNECTOR (ZONE 210)		01 R
PC001	S2350-10		CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01 R
-	S2353-4		PIN		AR R
-	S2353-5		PIN		AR R
UF005	5100-00-1		FUEL PUMP (ZONE 210)	V09445 80001 80810	01 R
UF005	5100-00-3		FUEL PUMP (ZONE 210)	V09445 8001 8316	01 R
UF005	5100-00-4		FUEL PUMP (ZONE 210)	V09445 80811 80991	01 R
				8317 8722	
				V09445 80992 & ON	01 R
				8723 & ON	

- ITEM NOT ILLUSTRATED

NOTES:
1. ALL WIRE 22AWG, EXCEPT AS NOTED
2. WIRE & CONNECTOR SUPPLIED WITH FUEL PUMP.



0570530F2

FUEL PUMP
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
 WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
			1 2 3 4 5 6 7		ASSY
02			FUEL PUMP		
			17281241 & ON		
			172S9810 & ON		
			WITH NAV III OPTION		
GF011	0508001-2		GROUND STUD (ZONE 211)		01 R
JC026	S2350-3		CONNECTOR SWITCH PANEL DISCONNECT (ZONE 224)	81241 & ON 9810 & ON	01 R
-	S2353-4		PIN		AR R
-	S2353-5		PIN		AR R
JF005	KTKSAD2022F150X2		CONNECTOR	V1F242	01 R
P1	S2035-1		CONNECTOR (ZONE 210)		01 R
PC026	S2349-1		CONNECTOR SWITCH PANEL (ZONE 224)	81241 & ON 9810 & ON	01 R
-	S2099-13		SOCKET		AR R
UF005	5100-00-4		FUEL PUMP (ZONE 210)	V09445 80992 & ON 8723 & ON	01 R

- ITEM NOT ILLUSTRATED

Figure 02

Page 1

CHAPTER

74

IGNITION

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

<u>CHAPTER SECTION SUBJECT</u>	<u>NUMBER OF PAGES</u>	<u>DATE</u>
74-Title	1	
74-List of Effective Pages	1	Jan 20/2006
74-Record of Revisions	1	
74-Contents	1	Jan 20/2006
74-10-00	Figure 01	2 Jan 20/2006 Deleted
	Figure 02	2 Jan 20/2006 Deleted
74-10-01	Figure 01	2 Jan 20/2006 Added
	Figure 02	2 Jan 20/2006 Added
	Figure 03	2 Jan 20/2006 Added

CESSNA AIRCRAFT COMPANY MODEL 172 WIRING DIAGRAM MANUAL

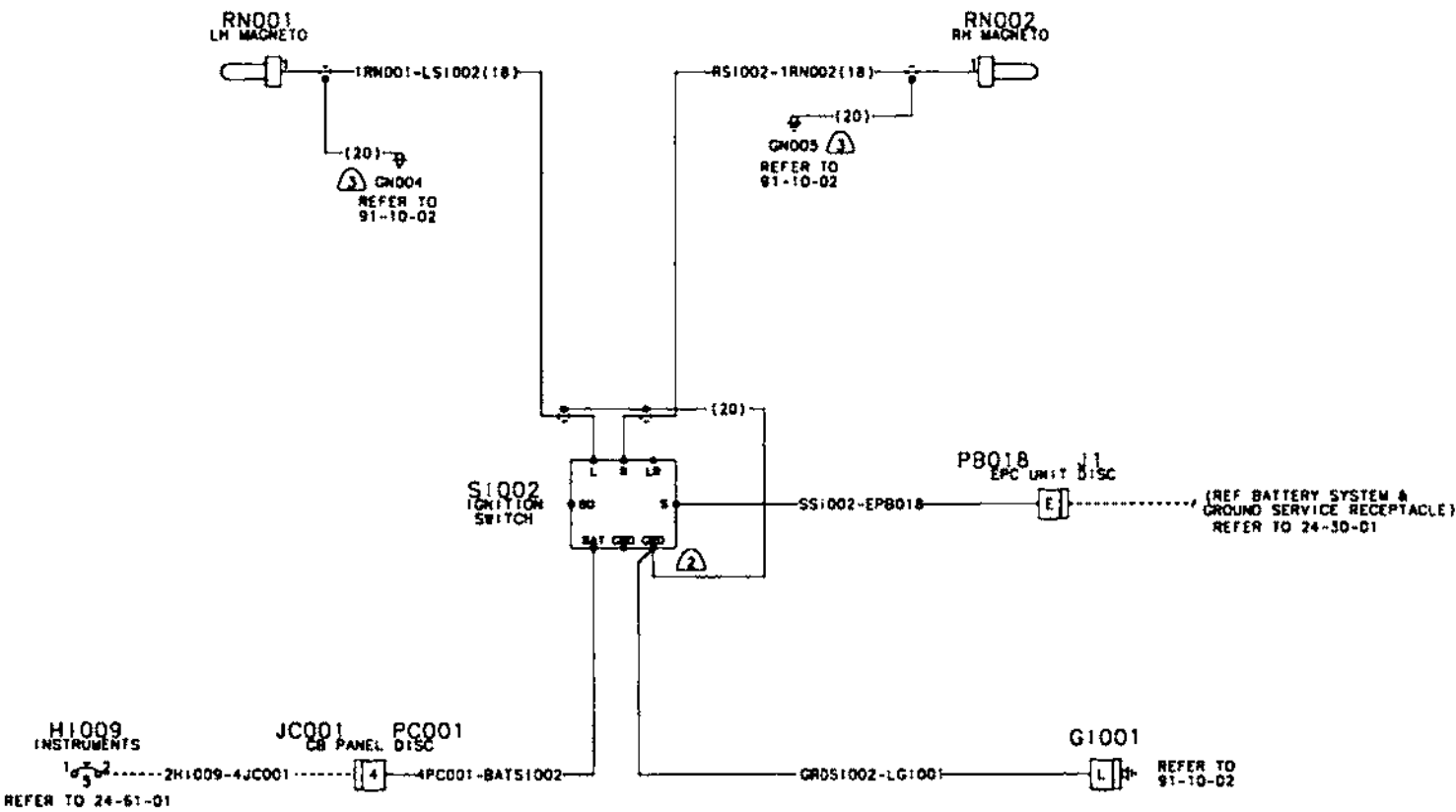
RECORD OF REVISIONS

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CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

<u>SUBJECT</u>	<u>CHAPTER/ SECTION/ SUBJECT</u>	<u>FIGURE</u>	<u>EFFECTIVITY</u> <u>START</u> <u>END</u>
MAGNETO SYSTEM	74-10-01	01	
MAGNETO SYSTEM	74-10-01	02	
MAGNETO SYSTEM	74-10-01	03	

- NOTES:
- 1. ALL WIRE 22AWG. EXCEPT AS NOTED
 - 2. USE THE GND TERMINAL LOCATED ON THE BACK/CENTER OF S1002 SWITCH.
 - 3. GROUND STUD LOCATED ON MAGNETO CASE LABELED AS "GND".



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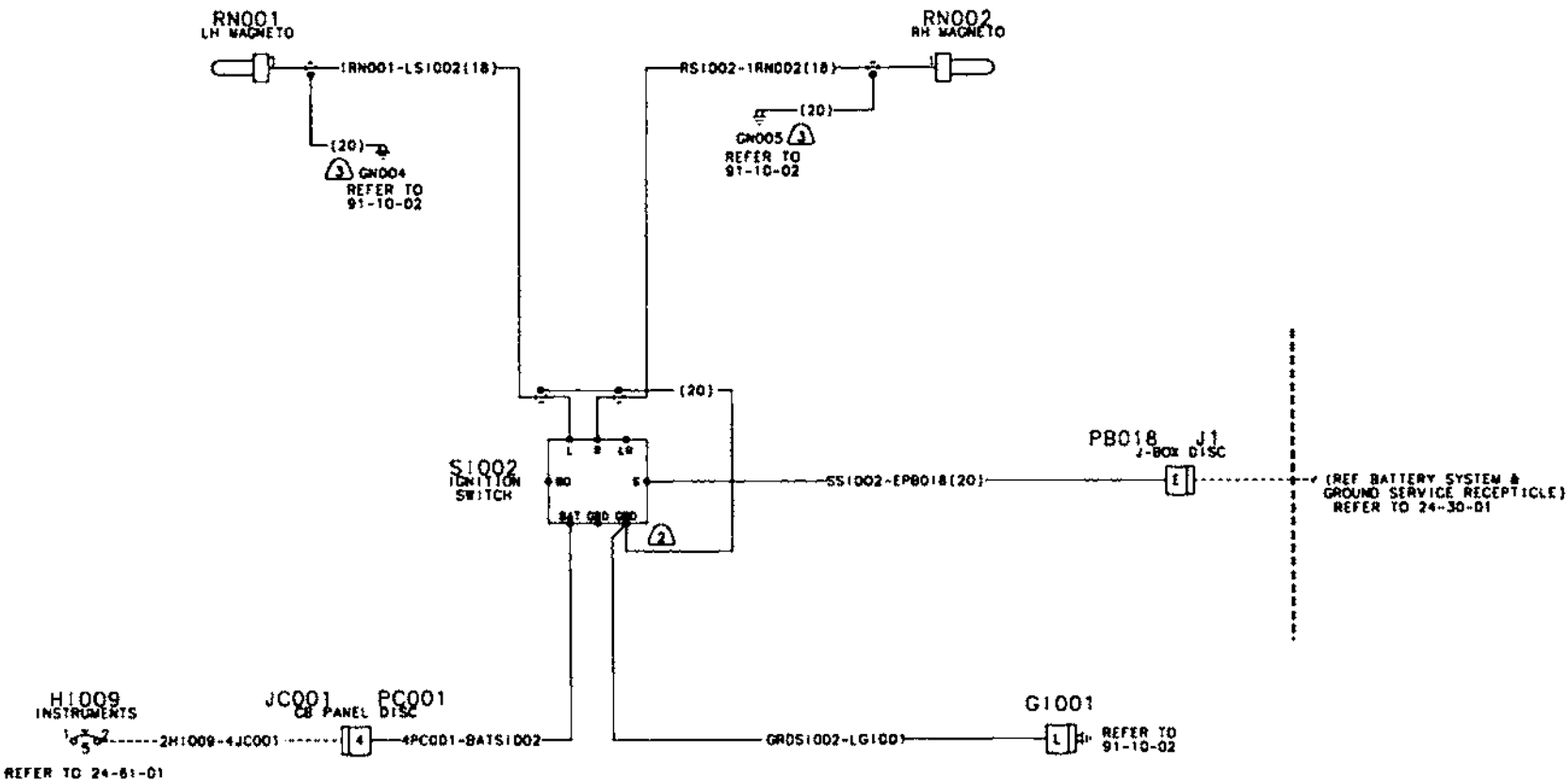
MAGNETO SYSTEM
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
	DES			FROM TO	PER ASSY
01			MAGNETO SYSTEM		
			17280001 THRU 17280983		
			172S8001 THRU 172S8703		
	GI001	S2527-1	CONNECTOR GROUND (ZONE 211)	80001 80883 8001 8402	01 R
-		203618-1	JACK SCREW		AR R
-		AN340-3	NUT		AR R
-		S2527-3	CLAMP		01 R
-		S2099-4	SOCKET	80001 81142	AR R
	GI001	200838-2	CONNECTOR GROUND (ZONE 211)	V00779 80884 & ON 8403 & ON	01 R
-		201846-1	CLAMP KIT		01 R
-		203618-1	JACK SCREW		AR R
-		AN340-3	NUT		AR R
-		S2099-4	SOCKET	80001 81142	AR R
-		S2099-3	CONTACT	81143 & ON	AR R
	GN004		GROUND SUPPLIED WITH VENDOR MAGNETO ASSEMBLY (ZONE 121)		RF R
	GN005		GROUND SUPPLIED WITH VENDOR MAGNETO ASSEMBLY (ZONE 120)		RF R
	HI009	S1360-5L	CIRCUIT BREAKER INSTRUMENTS (ZONE 224)		01 R
-		MS35206-226	SCREW		AR R
-		S2122-1	NUT		AR R
	JC001	S2349-5	CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01 R
-		S2099-4	SOCKET		AR R
	PB018	S2800-274	CONNECTOR KIT JUNCTION BOX DISCONNECT (ZONE 121)		01 R
	PC001	S2350-10	CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01 R
-		S2353-4	PIN		AR R
-		S2353-5	PIN		AR R
	RN001	MS25171-1S	MAGNETO LEFT (ZONE 120)		01 R
-		A-A-59178-1	ALTERNATE FOR MS25171-1S		01 R
	RN002	MS25171-1S	MAGNETO RIGHT (ZONE 120)		01 R
-		A-A-59178-1	ALTERNATE FOR MS25171-1S		01 R
	SI002	C292501-0109	SWITCH IGNITION (ZONE 220)		01 R

- ITEM NOT ILLUSTRATED

- NOTES:
- 1. ALL WIRE 22AWG, EXCEPT AS NOTED
 - 2. USE THE GND TERMINAL LOCATED ON THE BACK/CENTER OF S1002 SWITCH.
 - 3. GROUND STUD LOCATED ON MAGNETO CASE LABELED AS "GND".



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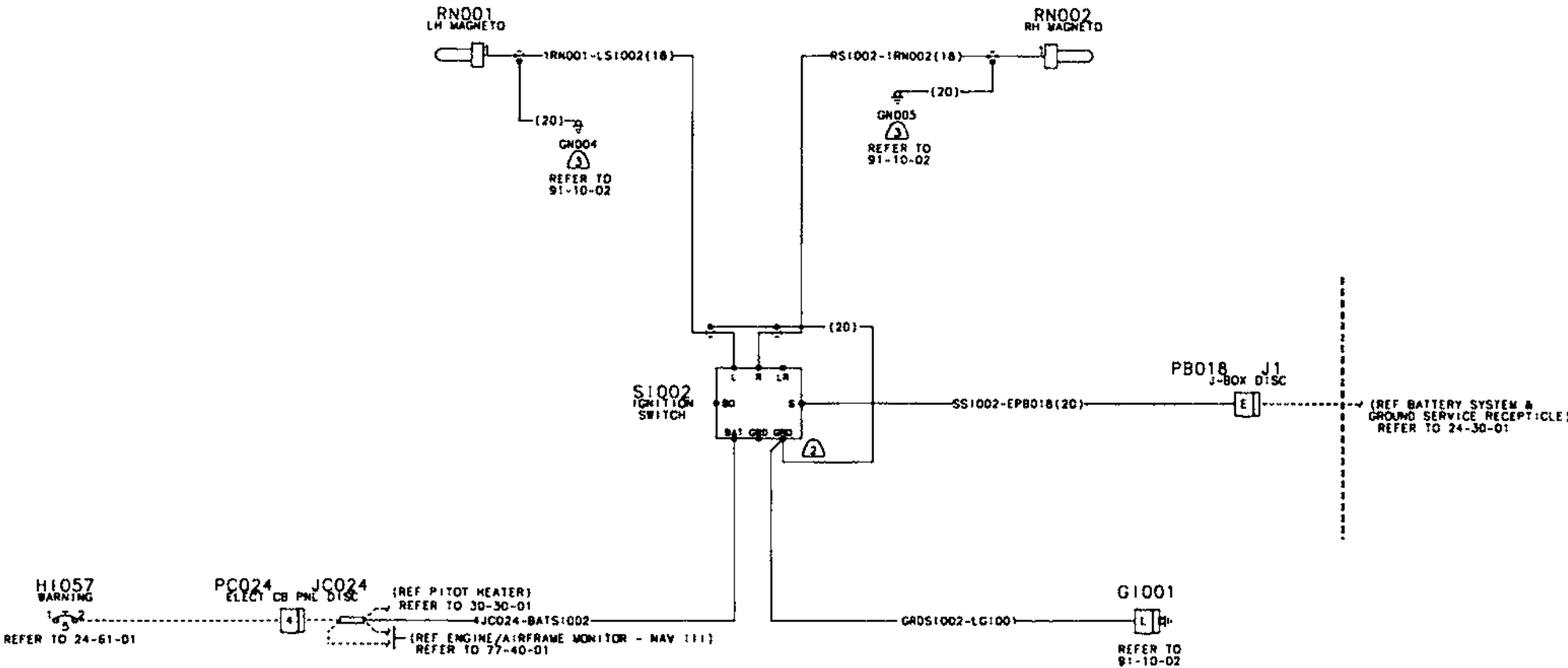
MAGNETO SYSTEM
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER ASSY
		1 2 3 4 5 6 7			
02			MAGNETO SYSTEM		
			17280984 & ON		
			172S8704 & ON		
			WITHOUT NAV III OPTION		
GI001	200838-2		CONNECTOR GROUND (ZONE 211)	V00779 80884 & ON 8403 & ON	01 R
-	201846-1		CLAMP KIT		01 R
-	203618-1		JACK SCREW		ARR
-	AN340-3		NUT		ARR
-	S2099-4		SOCKET	80001 81142	ARR
-	S2099-3		CONTACT	81143 & ON	ARR
GN004			GROUND SUPPLIED WITH VENDOR MAGNETO ASSEMBLY (ZONE 121)		RF R
GN005			GROUND SUPPLIED WITH VENDOR MAGNETO ASSEMBLY (ZONE 120)		RF R
HI009	S1360-5L		CIRCUIT BREAKER INSTRUMENTS (ZONE 224)		01 R
-	MS35206-226		SCREW		ARR
-	S2122-1		NUT		ARR
JC001	S2349-5		CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01 R
-	S2099-4		SOCKET		ARR
PB018	S2800-274		CONNECTOR KIT JUNCTION BOX DISCONNECT (ZONE 121)		01 R
PC001	S2350-10		CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01 R
-	S2353-4		PIN		ARR
-	S2353-5		PIN		ARR
RN001	MS25171-1S		MAGNETO LEFT (ZONE 120)		01 R
-	A-A-59178-1		ALTERNATE FOR MS25171-1S		01 R
RN002	MS25171-1S		MAGNETO RIGHT (ZONE 120)		01 R
-	A-A-59178-1		ALTERNATE FOR MS25171-1S		01 R
SI002	C292501-0109		SWITCH IGNITION (ZONE 220)		01 R

- ITEM NOT ILLUSTRATED

- NOTES:
- 1. ALL WIRE 22AWG, EXCEPT AS NOTED
 - 2. USE THE GND TERMINAL LOCATED ON THE BACK/CENTER OF S1002 SWITCH.
 - 3. GROUND STUD LOCATED ON MAGNETO CASE LABELED AS "GND".



0570511H3

MAGNETO SYSTEM
Figure 03 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
03			MAGNETO SYSTEM		
			17281241 & ON		
			172S9810 & ON		
			WITH NAV III OPTION		
GI001	200838-2		CONNECTOR GROUND (ZONE 211)	V00779 80884 & ON	01 R
				8403 & ON	
-		201846-1	. . CLAMP KIT		01 R
-		203618-1	. . JACK SCREW		AR R
-		AN340-3	. . NUT		AR R
-		S2099-4	. . SOCKET	80001 81142	AR R
-		S2099-3	. . CONTACT	81143 & ON	AR R
GN004			. GROUND SUPPLIED WITH VENDOR MAGNETO ASSEMBLY		RF R
			(ZONE 121)		
GN005			. GROUND SUPPLIED WITH VENDOR MAGNETO ASSEMBLY		RF R
			(ZONE 120)		
HI057	S2899L5.0		. CIRCUIT BREAKER WARNING (ZONE 224)	81241 & ON	01 R
			WITH NAV III OPTION	9810 & ON	
JC024	S2350-3		. CONNECTOR (ZONE 224)	81241 & ON	01 R
				9810 & ON	
-		S2353-4	. . PIN		AR R
-		S2353-5	. . PIN		AR R
PB018	S2800-274		. CONNECTOR KIT JUNCTION BOX DISCONNECT (ZONE 121)		01 R
PC024	S2349-3		. CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE	81241 & ON	01 R
			224)	9810 & ON	
-		S2099-3	. . CONTACT		AR R
-		S2099-4	. . CONTACT		AR R
RN001	MS25171-1S		. MAGNETO LEFT (ZONE 120)		01 R
-		A-A-59178-1	. ALTERNATE FOR MS25171-1S		01 R
RN002	MS25171-1S		. MAGNETO RIGHT (ZONE 120)		01 R
-		A-A-59178-1	. ALTERNATE FOR MS25171-1S		01 R
SI002	C292501-0109		. SWITCH IGNITION (ZONE 220)		01 R

- ITEM NOT ILLUSTRATED

CHAPTER

77

**ENGINE
INDICATING**

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

<u>CHAPTER SECTION SUBJECT</u>	<u>NUMBER OF PAGES</u>	<u>DATE</u>
77-Title	1	
77-List of Effective Pages	1	Jan 20/2006
77-Record of Revisions	1	
77-Contents	1	Jan 20/2006
77-20-00	Figure 01	2 Jan 20/2006 Deleted
	Figure 02	2 Jan 20/2006 Deleted
77-20-01	Figure 01	2 Jan 20/2006 Added
	Figure 02	2 Jan 20/2006 Added
77-40-01	Figure 01	6 Jan 20/2006 Added

CESSNA AIRCRAFT COMPANY MODEL 172 WIRING DIAGRAM MANUAL

RECORD OF REVISIONS

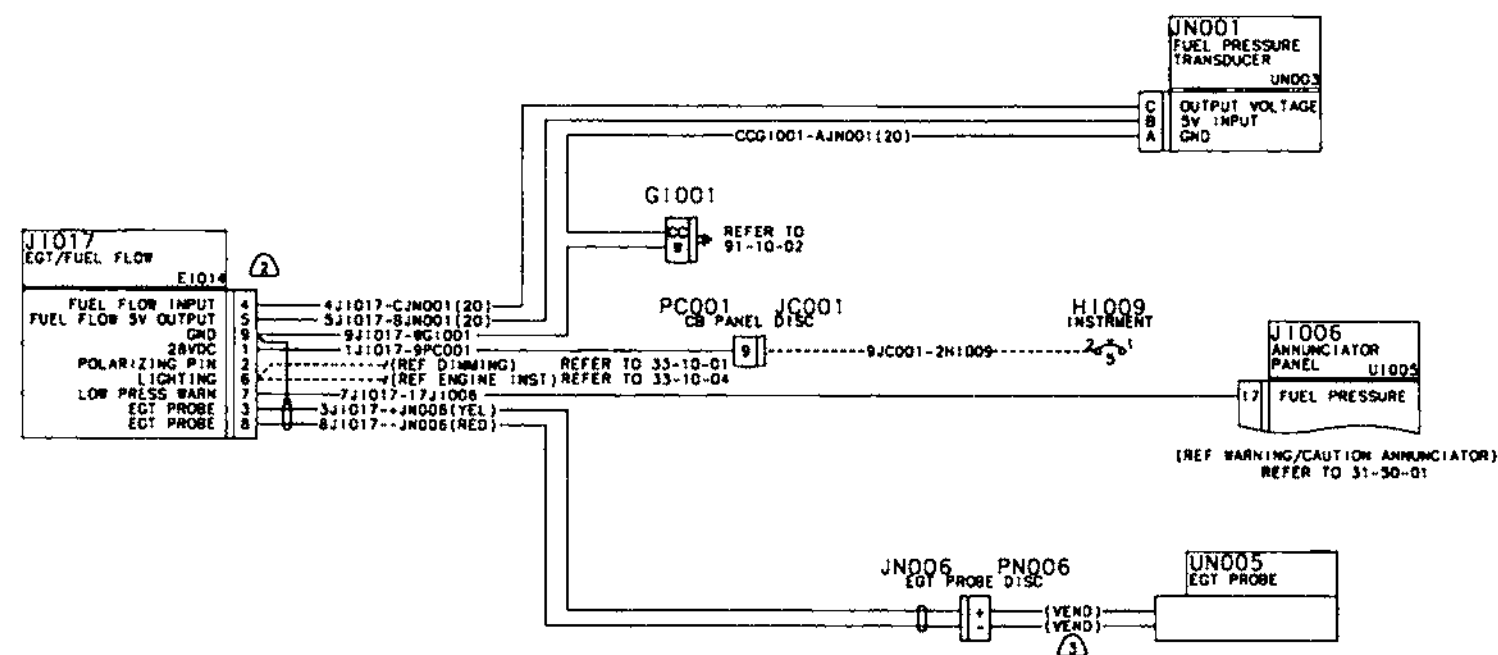
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CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

<u>SUBJECT</u>	<u>CHAPTER/ SECTION/ SUBJECT</u>	<u>FIGURE</u>	<u>EFFECTIVITY START END</u>
EGT/FUEL FLOW	77-20-01	01	
EGT/FUEL FLOW	77-20-01	02	
ENGINE AND AIRFRAME MONITOR	77-40-01	01	

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

- NOTES:
- 1. ALL WIRE 22AWG UNLESS OTHERWISE NOTED
 - 2. INSTALL POLARIZING PIN INTO PIN 2 OF J1017.
 - 3. WIRE AND CONNECTOR SUPPLIED WITH PROBE.



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EGT/FUEL FLOW
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

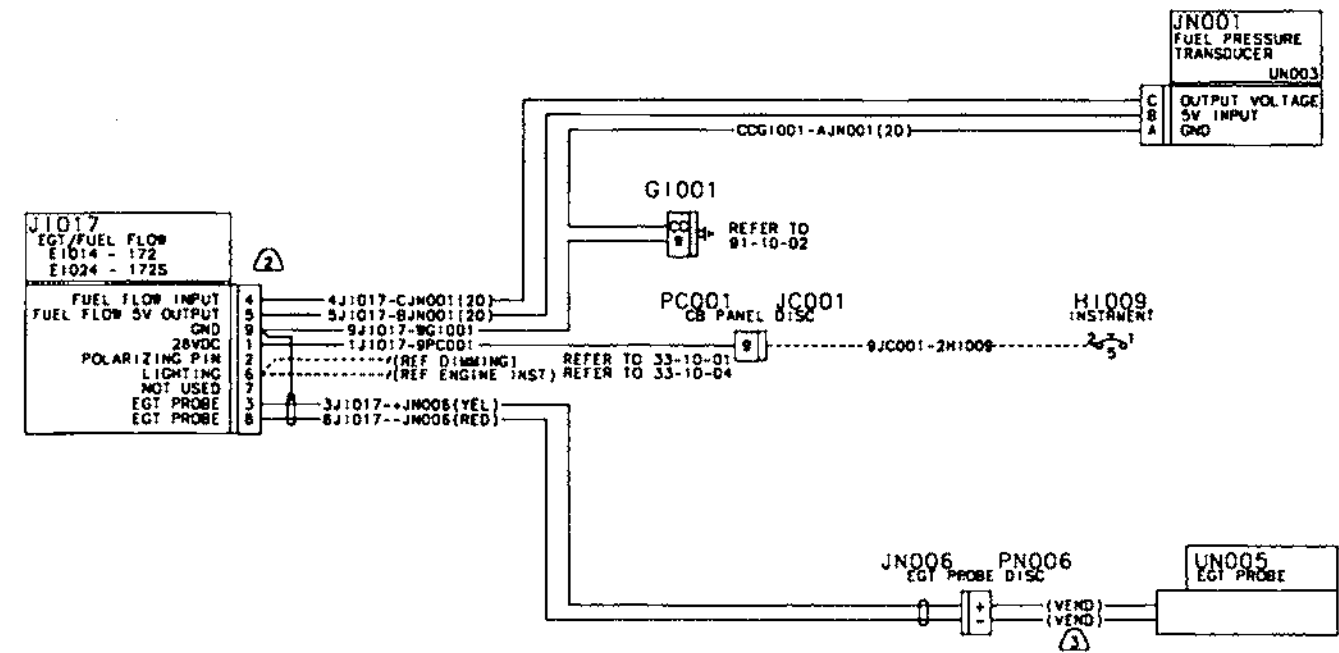
WIRING DIAGRAM MANUAL

FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO		UNITS PER ASSY
		1 2 3 4 5 6 7			
01		EGT/FUEL FLOW			
		17280001 THRU 17280003			
EI014	S3277-2	INDICATOR EGT/FUEL FLOW (ZONE 220)	80001	80906	01 R
-	S3277-6	ALTERNATE FOR S3277-2			01 R
-	S3484-6-14G1	SCREW			04 R
GI001	S2527-1	CONNECTOR GROUND (ZONE 211)	80001	80883	01 R
-			8001	8402	
-	203618-1	JACK SCREW			AR R
-	AN340-3	NUT			AR R
-	S2527-3	CLAMP			01 R
-	S2099-4	SOCKET	80001	81142	AR R
HI009	S1360-5L	CIRCUIT BREAKER INSTRUMENTS (ZONE 224)			01 R
-	MS35206-226	SCREW			AR R
-	S2122-1	NUT			AR R
JC001	S2349-5	CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)			01 R
-	S2099-4	SOCKET			AR R
JI006	770585-1	CONNECTOR ANNUNCIATOR DISCONNECT (ZONE 225)	V00779		01 R
-	170365-3	CONTACT	V00779		AR R
-	S3556-26	CONTACT			01 R
JI017	S2349-3	CONNECTOR EGT/FUEL FLOW INDICATOR (ZONE 220)			01 R
-	S2099-3	CONTACT			AR R
-	S2099-4	SOCKET			AR R
-	S2414-1	KEYING PLUG			AR R
JN001	S2800-277	CONNECTOR FUEL PRESSURE TRANSDUCER (ZONE 120)			01 R
JN006	MJ500-K	THERMOCOUPLE JACK EGT PROBE (ZONE 120)	V0MXP2		01 R
PC001	S2350-10	CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)			01 R
-	S2353-4	PIN			AR R
-	S2353-5	PIN			AR R
PN006		CONNECTOR EGT PROBE ASSEMBLY, SUPPLIED WITH EGT PROBE (ZONE 120)			RF R
UI005	CSEWCA-01	PANEL ANNUNCIATOR (ZONE 220)	V0GZF3 80001	80983	01 R
			8001	8703	
UN003	P165-5282	TRANSDUCER FUEL PRESSURE (ZONE 120)	V22863		01 R
UN005	86316	PROBE EGT (ZONE 120)	V2B785 80001	81186	01 R
			8001	9489	
UN005	86317	PROBE EGT (ZONE 120)	V2B785 81187	& ON	01 R
			9490	& ON	

- ITEM NOT ILLUSTRATED

CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

- NOTES:
- 1. ALL WIRE 22AWG UNLESS OTHERWISE NOTED
 - 2. INSTALL POLARIZING PIN INTO PIN 2 OF J1017.
 - 3. WIRE AND CONNECTOR SUPPLIED WITH PROBE.



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EGT/FUEL FLOW
Figure 02 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

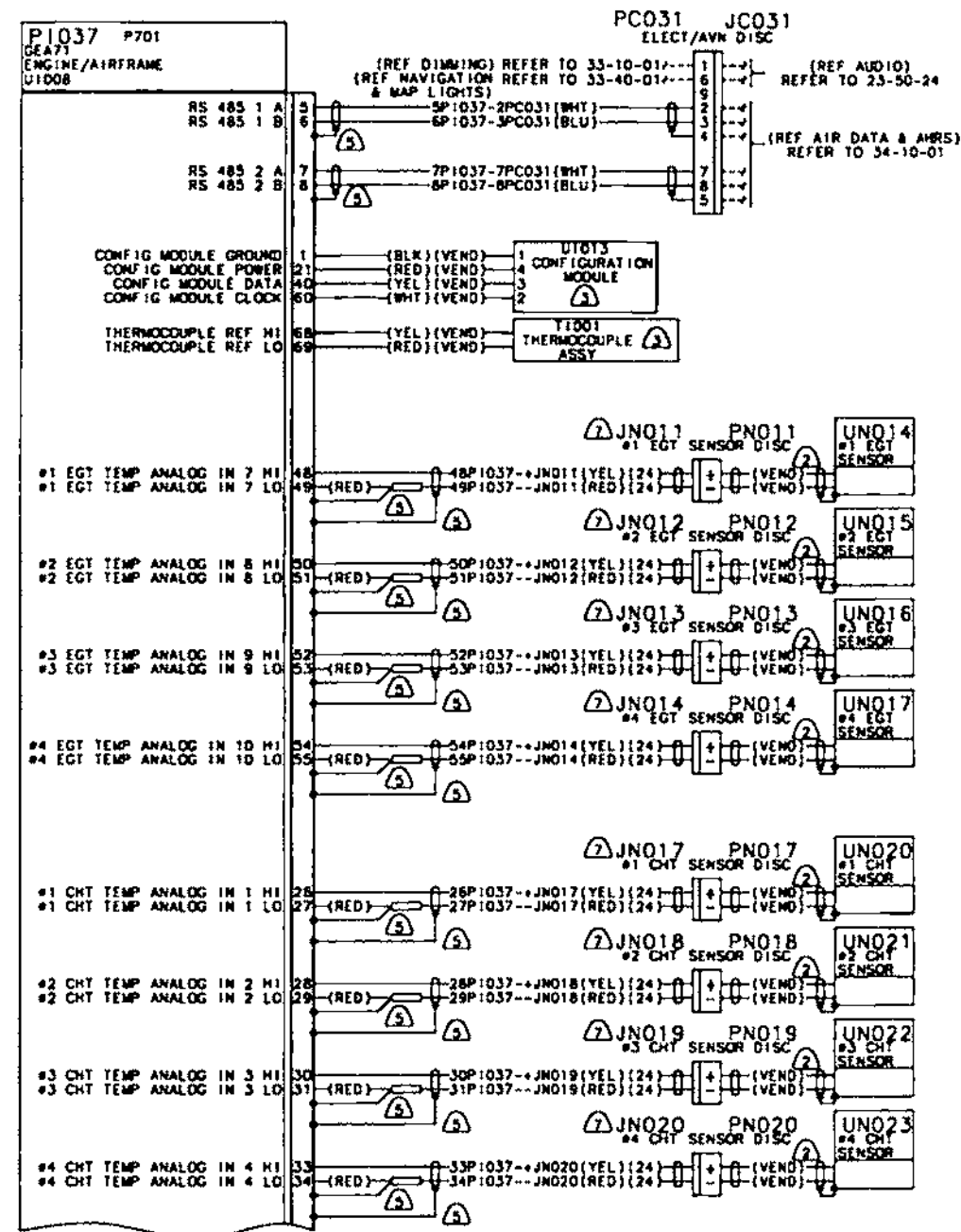
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
02			EGT/FUEL FLOW		
			17280004 & ON		
			172S8001 & ON		
			WITHOUT NAV III OPTION		
EI014	S3277-2		INDICATOR EGT/FUEL FLOW (ZONE 220)	80001 80906	01 R
-	S3277-6		ALTERNATE FOR S3277-2		01 R
-	S3484-6-14G1		SCREW		04 R
EI024	S3277-8		INDICATOR EGT/FUEL FLOW (ZONE 220)	8492 & ON	01 R
EI024	S3277-4		INDICATOR EGT/FUEL FLOW (ZONE 220)	8001 8491	01 R
GI001	S2527-1		CONNECTOR GROUND (ZONE 211)	80001 80883	01 R
				8001 8402	
-	203618-1		JACK SCREW		AR R
-	AN340-3		NUT		AR R
-	S2527-3		CLAMP		01 R
-	S2099-4		SOCKET	80001 81142	AR R
GI001	200838-2		CONNECTOR GROUND (ZONE 211)	V00779 80884 & ON	01 R
				8403 & ON	
-	201846-1		CLAMP KIT		01 R
-	203618-1		JACK SCREW		AR R
-	AN340-3		NUT		AR R
-	S2099-4		SOCKET	80001 81142	AR R
-	S2099-3		CONTACT	81143 & ON	AR R
HI009	S1360-5L		CIRCUIT BREAKER INSTRUMENTS (ZONE 224)		01 R
-	MS35206-226		SCREW		AR R
-	S2122-1		NUT		AR R
JC001	S2349-5		CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01 R
-	S2099-4		SOCKET		AR R
JI017	S2349-3		CONNECTOR EGT/FUEL FLOW INDICATOR (ZONE 220)		01 R
-	S2099-3		CONTACT		AR R
-	S2099-4		SOCKET		AR R
-	S2414-1		KEYING PLUG		AR R
JN001	S2800-277		CONNECTOR FUEL PRESSURE TRANSDUCER (ZONE 120)		01 R
JN006	MJ500-K		THERMOCOUPLE JACK EGT PROBE (ZONE 120)	V0MXP2	01 R
PC001	S2350-10		CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01 R
-	S2353-4		PIN		AR R
-	S2353-5		PIN		AR R
PN006			CONNECTOR EGT PROBE ASSEMBLY. SUPPLIED WITH EGT PROBE (ZONE 120)		RF R
UN003	P165-5282		TRANSDUCER FUEL PRESSURE (ZONE 120)	V22863	01 R
UN005	86316		PROBE EGT (ZONE 120)	V2B785 80001 81186	01 R
				8001 9489	
UN005	86317		PROBE EGT (ZONE 120)	V2B785 81187 & ON	01 R
				9490 & ON	

- ITEM NOT ILLUSTRATED

Figure 02

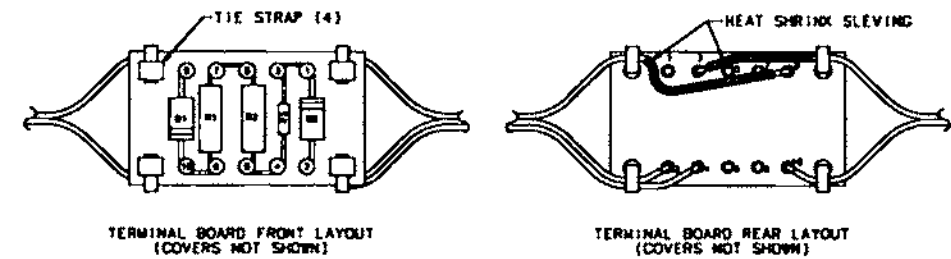
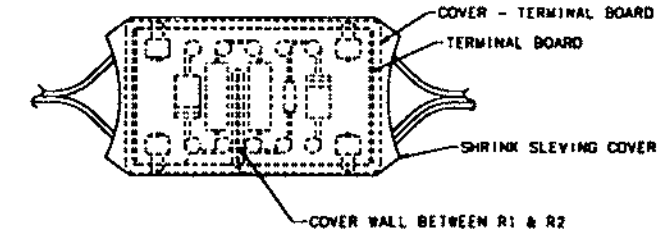
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CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL

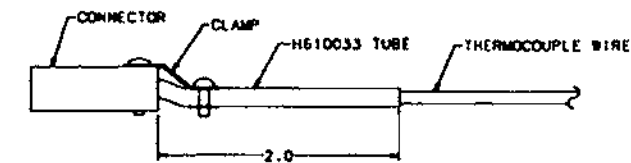


NOTES:

1. ALL WIRE 22AWG, UNLESS OTHERWISE NOTED.
2. WIRE AND CONNECTOR SUPPLIED WITH SENSOR.
3. CONFIGURATION MODULE AND THERMOCOUPLE ASSY ARE LOCATED IN THE CONNECTOR BACKSHELL.
4. GROUND STUD LOCATED ON LH MAGNETO CASE LABELED AS "GND".
5. WIRE SHIELD TERMINATIONS, CONNECTOR BACKSHELL GROUNDING AND THERMOCOUPLE GROUNDING SHALL BE ACCOMPLISHED BY USING GARMIN BACKSHELL GROUND WIRE HARNESS ("SPIDER").
6. ASSEMBLE 0570583-2 FUEL QTY SIGNAL CONDITIONER (REF DES U1004 & U1004) IN BUNDLE AS SHOWN:



7. INSTALL H610033 NYLON TUBE BETWEEN THERMOCOUPLE WIRE AND CONNECTOR CLAMP AS SHOWN. APPLY LOC-TITE 242 TO ALL SIX SCREWS ON THE THERMOCOUPLE CONNECTOR AND CLAMP.



8. INSTALL WS35488-6 GROMMET ON BUNDLE SEGMENT SHOWN TO PROTECT WIRES FROM CHAFFING ON ENGINE BAFFLE.
9. INSTALL WS35488-1 GROMMET ON BUNDLE SEGMENT SHOWN TO PROTECT WIRES FROM CHAFFING ON ENGINE BAFFLE.

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ENGINE AND AIRFRAME MONITOR
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

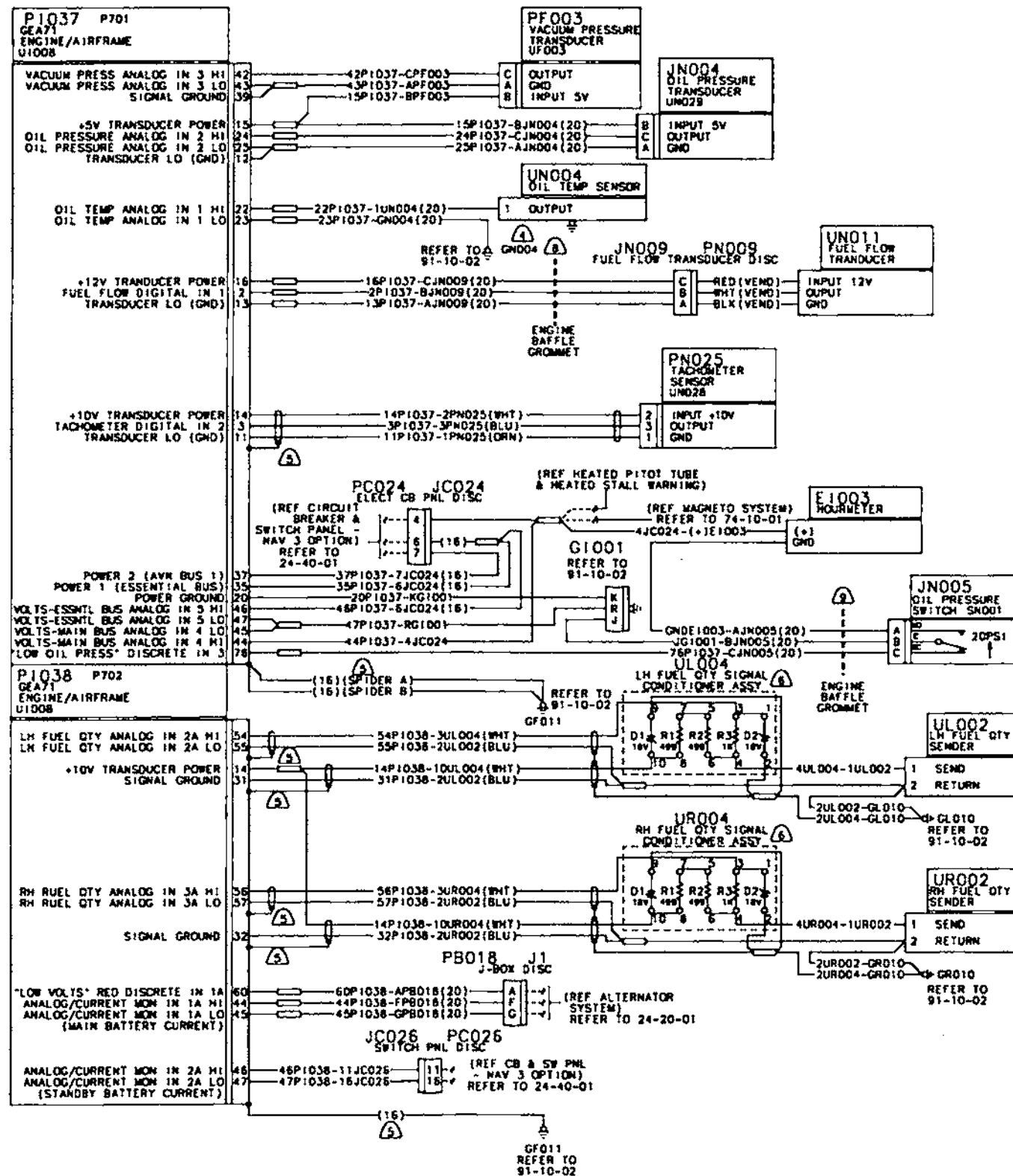
FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
		1 2 3 4 5 6 7		
01		ENGINE AND AIRFRAME MONITOR 17281241 & ON 172S9810 & ON WITH NAV III OPTION		
JC031	S2350-4	CONNECTOR ELEC/AVN DISC	81241 & ON 9810 & ON	01 R
JN011	S2353-5	CONNECTOR	V29907	01 R
JN012	PCLM-NMP	BACKSHELL	V29907	01 R
JN013	NMP-K-F	CONNECTOR	V29907	01 R
JN014	PCLM-NMP	BACKSHELL	V29907	01 R
JN017	NMP-K-F	CONNECTOR	V29907	01 R
JN018	PCLM-NMP	BACKSHELL	V29907	01 R
JN019	NMP-K-F	CONNECTOR	V29907	01 R
JN020	PCLM-NMP	BACKSHELL	V29907	01 R
PC031	S2349-3	CONNECTOR AVN/ELEC DISC	81241 & ON 9810 & ON	01 R
PI037	S2099-4	CONNECTOR ENGINE/AIRFRAME	81241 & ON 9810 & ON	01 R
PN011		CONNECTOR SUPPLIED WITH VENDOR SENSOR ASSEMBLY	81241 & ON 9810 & ON	01 R
PN012		CONNECTOR SUPPLIED WITH VENDOR SENSOR ASSEMBLY	81241 & ON 9810 & ON	01 R
PN013		CONNECTOR SUPPLIED WITH VENDOR SENSOR ASSEMBLY	81241 & ON 9810 & ON	01 R
PN014		CONNECTOR SUPPLIED WITH VENDOR SENSOR ASSEMBLY	81241 & ON 9810 & ON	01 R
PN017		CONNECTOR SUPPLIED WITH VENDOR SENSOR ASSEMBLY	81241 & ON 9810 & ON	01 R
PN018		CONNECTOR SUPPLIED WITH VENDOR SENSOR ASSEMBLY	81241 & ON 9810 & ON	01 R
PN019		CONNECTOR SUPPLIED WITH VENDOR SENSOR ASSEMBLY	81241 & ON 9810 & ON	01 R
PN020		CONNECTOR SUPPLIED WITH VENDOR SENSOR ASSEMBLY	81241 & ON 9810 & ON	01 R
TI001	011-00981-00	THERMOCOUPLE ASSEMBLY	V0TRC3	01 R
UI008		COMPUTER ENGINE/AIRFRAME MONITOR	81241 & ON 9810 & ON	01 R
UI013	011-00979-00	CONFIGURATION MODULE KIT	V0TRC3	01 R
UN014		EGT SENSOR CYLINDER HEAD 1	81241 & ON 9810 & ON	01 R
UN015		EGT SENSOR CYLINDER HEAD 2	81241 & ON 9810 & ON	01 R
UN016		EGT SENSOR CYLINDER HEAD 3	81241 & ON 9810 & ON	01 R
UN017		EGT SENSOR CYLINDER HEAD 4	81241 & ON 9810 & ON	01 R
UN020		CHT SENSOR CYLINDER HEAD 1	81241 & ON 9810 & ON	01 R
UN021		CHT SENSOR CYLINDER HEAD 2	81241 & ON 9810 & ON	01 R
UN022		CHT SENSOR CYLINDER HEAD 3	81241 & ON 9810 & ON	01 R
UN023		CHT SENSOR CYLINDER HEAD 4	81241 & ON 9810 & ON	01 R

- ITEM NOT ILLUSTRATED

Figure 01

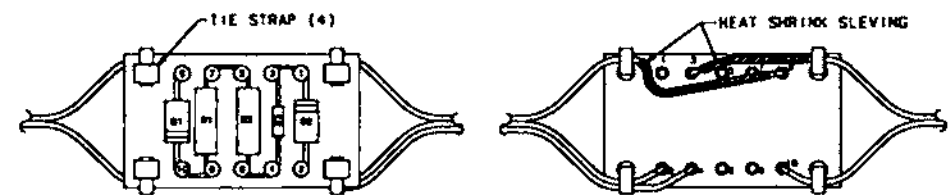
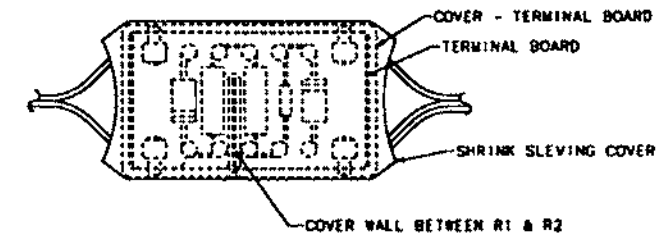
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CESSNA AIRCRAFT COMPANY
MODEL 172
WIRING DIAGRAM MANUAL



NOTES:

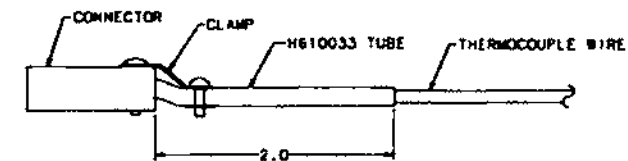
1. ALL WIRE 22AWG, UNLESS OTHERWISE NOTED.
2. WIRE AND CONNECTOR SUPPLIED WITH SENSOR.
3. CONFIGURATION MODULE AND THERMOCOUPLE ASSY ARE LOCATED IN THE CONNECTOR BACKSHELL.
4. GROUND STUD LOCATED ON LH MAGNETO CASE LABELED AS "GND".
5. WIRE SHIELD TERMINATIONS, CONNECTOR BACKSHELL GROUNDING AND THERMOCOUPLE GROUNDING SHALL BE ACCOMPLISHED BY USING GARMIN BACKSHELL GROUND WIRE HARNESS ("SPIDER").
6. ASSEMBLE 0570583-2 FUEL QTY SIGNAL CONDITIONER (REF DES UL004 & UR004) IN BUNDLE AS SHOWN:



TERMINAL BOARD FRONT LAYOUT
(COVERS NOT SHOWN)

TERMINAL BOARD REAR LAYOUT
(COVERS NOT SHOWN)

7. INSTALL H610033 NYLON TUBE BETWEEN THERMOCOUPLE WIRE AND CONNECTOR CLAMP AS SHOWN. APPLY LOC-TITE 242 TO ALL SIX SCREWS ON THE THERMOCOUPLE CONNECTOR AND CLAMP.



8. INSTALL WS35489-8 GROMMET ON BUNDLE SEGMENT SHOWN TO PROTECT WIRES FROM CHAFFING ON ENGINE BAFFLE.
9. INSTALL WS35489-1 GROMMET ON BUNDLE SEGMENT SHOWN TO PROTECT WIRES FROM CHAFFING ON ENGINE BAFFLE.

ENGINE AND AIRFRAME MONITOR
Figure 01 (Sheet 2)

CESSNA AIRCRAFT COMPANY

MODEL 172

WIRING DIAGRAM MANUAL

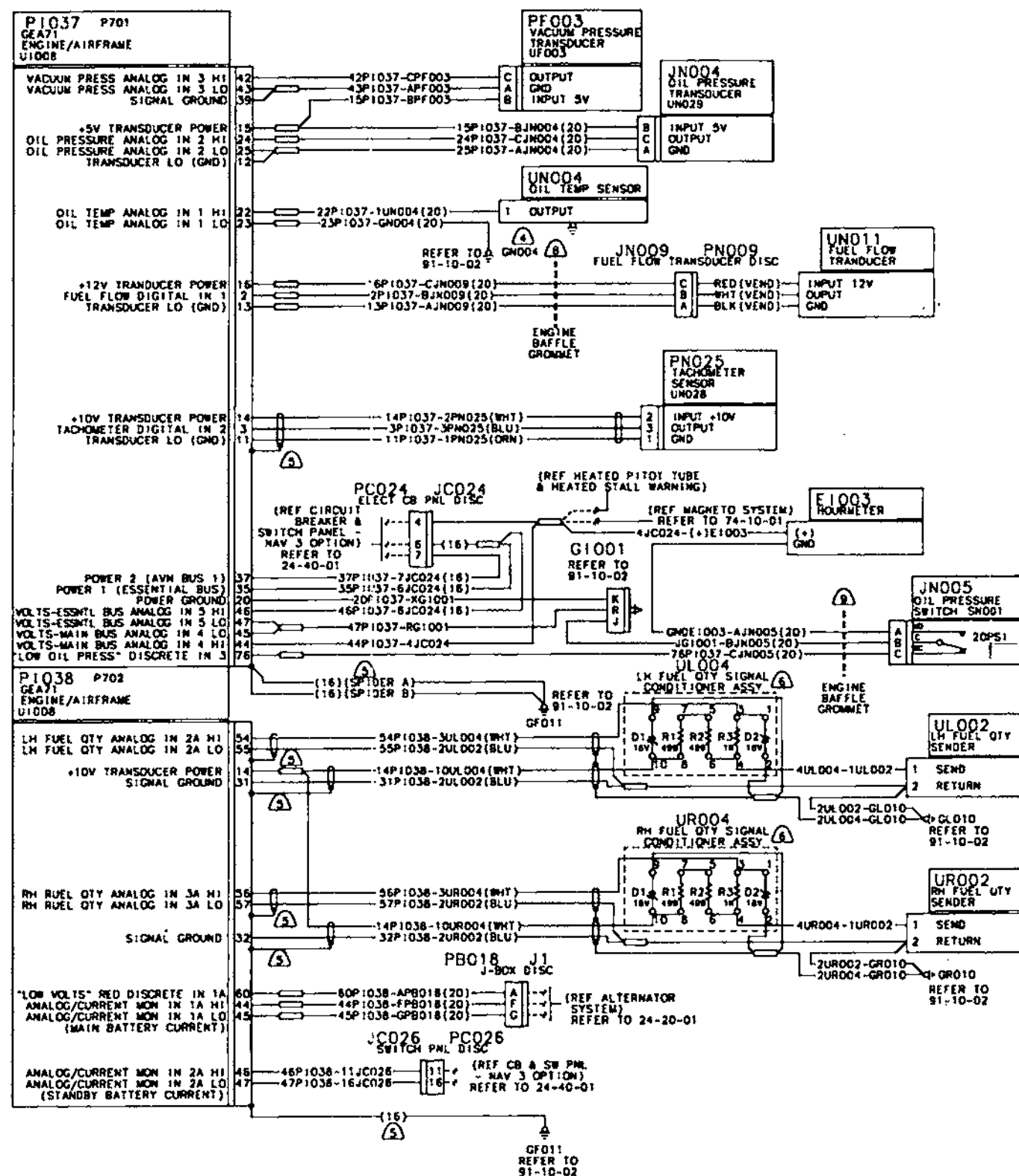
FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
					ASSY
01			ENGINE AND AIRFRAME MONITOR		
			17281241 & ON		
			172S9810 & ON		
			WITH NAV III OPTION		
D1	1.5KE18A	TRANSZORB	V24444		01 R
D2	1.5KE18A	TRANSZORB	V24444		01 R
E1003	S1493-1	HOURLMETER (ZONE 221)			01 R
GF011	0508001-2	GROUND STUD (ZONE 211)			01 R
GI001	200838-2	CONNECTOR GROUND (ZONE 211)	V00779	80884 & ON	01 R
				8403 & ON	
	201846-1	CLAMP KIT			01 R
	203618-1	JACK SCREW			AR R
	AN340-3	NUT			AR R
	S2099-4	SOCKET		80001 81142	AR R
	S2099-3	CONTACT		81143 & ON	AR R
GL010	0508001-2	GROUND STUD (ZONE 510)		81234 & ON	01 R
				9771 & ON	
GN004		GROUND SUPPLIED WITH VENDOR MAGNETO ASSEMBLY			RF R
		(ZONE 121)			
GR010	0508001-2	GROUND STUD (ZONE 610)			01 R
J1		CONNECTOR POWER JUNCTION BOX (ZONE 121)			RF R
		SUPPLIED WITH VENDOR POWER JUNCTION BOX			
JC024	S2350-3	CONNECTOR (ZONE 224)		81241 & ON	01 R
				9810 & ON	
	S2353-4	PIN			AR R
	S2353-5	PIN			AR R
JC026	S2350-3	CONNECTOR SWITCH PANEL DISCONNECT (ZONE 224)		81241 & ON	01 R
				9810 & ON	
	S2353-4	PIN			AR R
	S2353-5	PIN			AR R
JN004	S2800-277	CONNECTOR (ZONE 120)			01 R
JN005	S2800-276	CONNECTOR KIT OIL PRESSURE SWITCH (ZONE 120)			01 R
JN009	S2800-340	CONNECTOR KIT			01 R
PB018	S2800-274	CONNECTOR KIT JUNCTION BOX DISCONNECT (ZONE 121)			01 R
PC024	S2349-3	CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		81241 & ON	01 R
				9810 & ON	
	S2099-3	CONTACT			AR R
	S2099-4	CONTACT			AR R
PC026	S2349-1	CONNECTOR SWITCH PANEL (ZONE 224)		81241 & ON	01 R
				9810 & ON	
	S2099-13	SOCKET			AR R
PF003	AEKTKSAD0404	CONNECTOR KIT	V1F242		01 R
PI037		CONNECTOR ENGINE/AIRFRAME		81241 & ON	RF R
				9810 & ON	
PI038		CONNECTOR ENGINE/AIRFRAME		81241 & ON	RF R
				9810 & ON	
PN009		FUEL FLOW TRANSDUCER DISCONNECT SUPPLIED WITH		81241 & ON	RF R
		VENDOR ASSEMBLY		9810 & ON	
PN025	6280-3SG-513	CONNECTOR	V023K3		01 R
R1	RN65E4990B	RESISTOR FUEL QUANTITY SIGNAL CONDITIONER			01 R
R2	RN65E4990B	RESISTOR FUEL QUANTITY SIGNAL CONDITIONER			01 R
R3	RN55C1001F	RESISTOR FUEL QUANTITY SIGNAL CONDITIONER			01 R
SN001	83278	SWITCH OIL PRESSURE (ZONE 120)	V74400	80831 & ON	01 R
		ALSO INCLUDING AIRPLANES INCORPORATING SB00-79-01		8348 & ON	
UF003		VACUUM PRESSURE TRANSDUCER		81241 & ON	RF R
				9810 & ON	
UI008		COMPUTER ENGINE/AIRFRAME MONITOR		81241 & ON	RF R
				9810 & ON	
UL002	S3331-2	TRANSMITTER FUEL QUANTITY (ZONE 510)			01 R
UL004	0570583-2	SIGNAL CONDITIONER FUEL QUANTITY			01 R
UN004	S2335-1	SENSOR OIL TEMPERATURE (ZONE 120)			01 R
UN011		FUEL FLOW TRANSDUCER		81241 & ON	RF R
				9810 & ON	

- ITEM NOT ILLUSTRATED

Figure 01

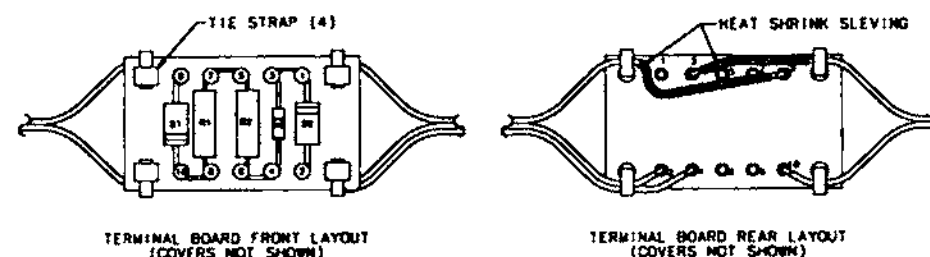
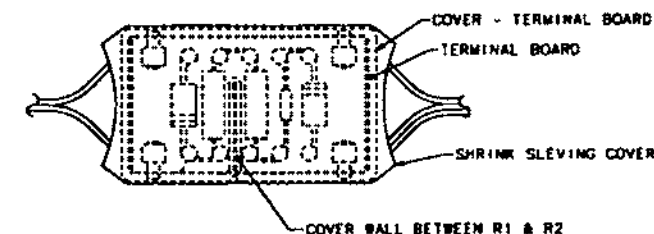
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MODEL 172
WIRING DIAGRAM MANUAL

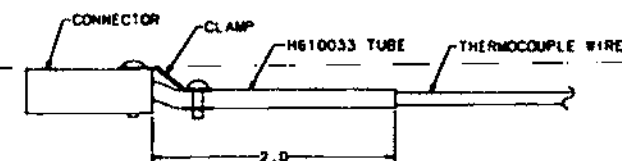


NOTES:

1. ALL WIRE 22AWG, UNLESS OTHERWISE NOTED.
2. WIRE AND CONNECTOR SUPPLIED WITH SENSOR.
3. CONFIGURATION MODULE AND THERMOCOUPLE ASSY ARE LOCATED IN THE CONNECTOR BACKSHELL.
4. GROUND STUD LOCATED ON LH MAGNETO CASE LABELED AS "GND".
5. WIRE SHIELD TERMINATIONS, CONNECTOR BACKSHELL GROUNDING AND THERMOCOUPLE GROUNDING SHALL BE ACCOMPLISHED BY USING GARMIN BACKSHELL GROUND WIRE HARNESS ("SPIDER").
6. ASSEMBLY 0570583-2 FUEL QTY SIGNAL CONDITIONER (REF DES UL004 & UR004) IN BUNDLE AS SHOWN:



7. INSTALL H610033 NYLON TUBE BETWEEN THERMOCOUPLE WIRE AND CONNECTOR CLAMP AS SHOWN. APPLY LOC-TITE 242 TO ALL SIX SCREWS ON THE THERMOCOUPLE CONNECTOR AND CLAMP.



8. INSTALL WS35489-8 GROMMET ON BUNDLE SEGMENT SHOWN TO PROTECT WIRES FROM CHAFFING ON ENGINE BAFFLE.
9. INSTALL WS35489-1 GROMMET ON BUNDLE SEGMENT SHOWN TO PROTECT WIRES FROM CHAFFING ON ENGINE BAFFLE.

0570583D1

ENGINE AND AIRFRAME MONITOR
Figure 01 (Sheet 2)

CESSNA AIRCRAFT COMPANY
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FIG REF DES	PART NUMBER	NOMENCLATURE	EFFECTIVITY FROM TO	UNITS PER ASSY
		1 2 3 4 5 6 7		
UN028		. TACHOMETER SENSOR	81241 & ON 9810 & ON	RF R
UN029		. OIL PRESSURE TRANSDUCER	81241 & ON 9810 & ON	RF R
UR002	S3594-1	. TRANSMITTER FUEL QUANTITY (ZONE 610)	80959 & ON 8616 & ON	01 R
UR004	0570583-2	. SIGNAL CONDITIONER FUEL QUANTITY		01 R

- ITEM NOT ILLUSTRATED

CHAPTER

79

OIL

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<u>CHAPTER SECTION SUBJECT</u>		<u>NUMBER OF PAGES</u>	<u>DATE</u>
79-Title		1	
79-List of Effective Pages		1	Jan 20/2006
79-Record of Revisions		1	
79-Contents		1	Jan 20/2006
79-30-00	Figure 01	2	Jan 20/2006 Deleted
79-30-01	Figure 01	2	Jan 20/2006 Added

CESSNA AIRCRAFT COMPANY MODEL 172 WIRING DIAGRAM MANUAL

RECORD OF REVISIONS

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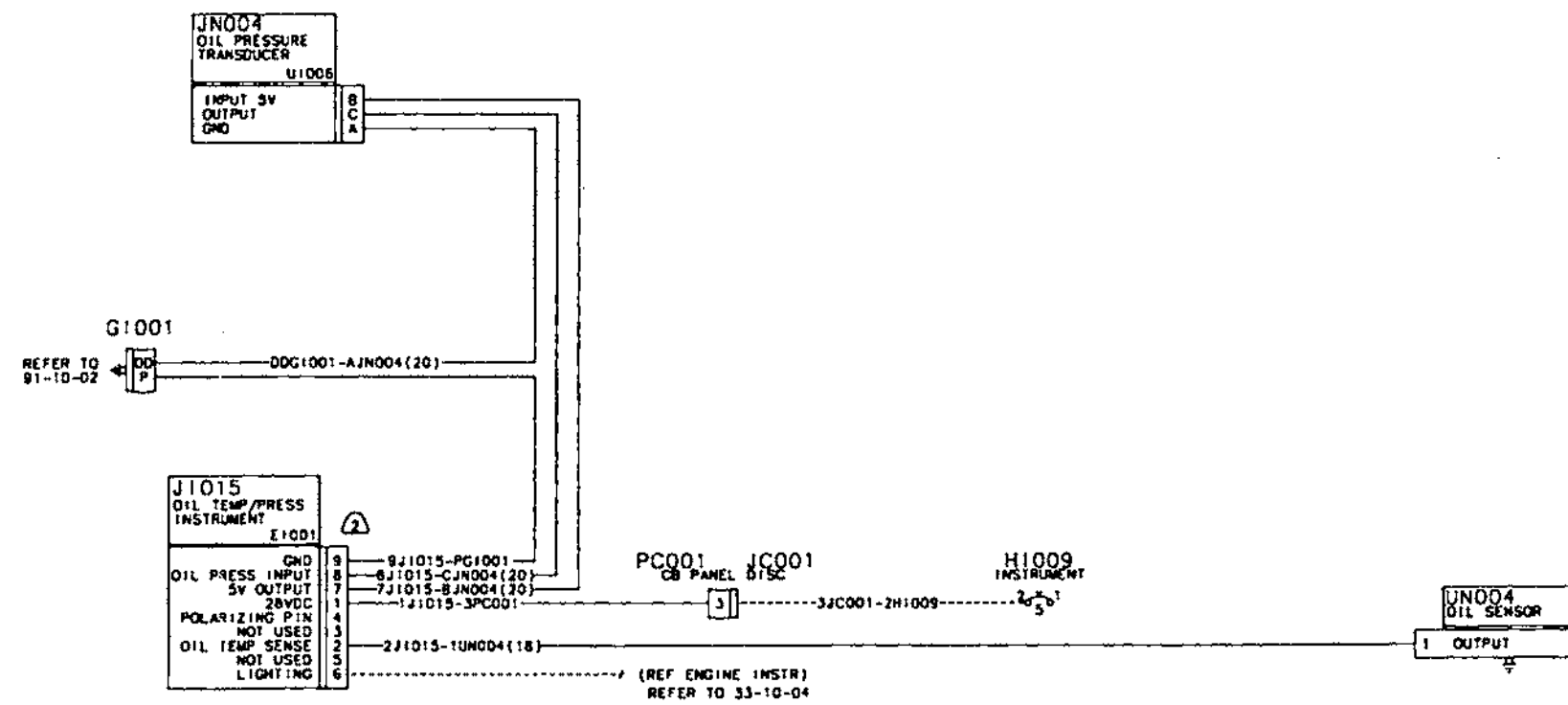
CESSNA AIRCRAFT COMPANY
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<u>SUBJECT</u>	<u>CHAPTER/ SECTION/ SUBJECT</u>	<u>FIGURE</u>	<u>EFFECTIVITY START END</u>
OIL TEMPERATURE/OIL PRESSURE	79-30-00	01	

CESSNA AIRCRAFT COMPANY
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NOTES:

1. ALL WIRE 22AWG. UNLESS OTHERWISE NOTED.
2. INSTALL POLARIZING PIN INTO PIN 4 OF J1015.



0570544D1

OIL TEMPERATURE/OIL PRESSURE
Figure 01 (Sheet 1)

CESSNA AIRCRAFT COMPANY

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WIRING DIAGRAM MANUAL

FIG	REF	PART NUMBER	NOMENCLATURE	EFFECTIVITY	UNITS
DES				FROM TO	PER
			1234567		ASSY
01			OIL TEMPERATURE/OIL PRESSURE		
			17280001 & ON		
			172S8001 & ON		
			WITHOUT NAV III OPTION		
	EI001	S3279-1	INDICATOR OIL TEMPERATURE/OIL PRESSURE (ZONE 220) . . .		01 R
		S3353-1	.. LIGHT ASSEMBLY		01 R
	GI001	S2527-1	.. CONNECTOR GROUND (ZONE 211)	80001 80883	01 R
				8001 8402	
		203618-1	.. JACK SCREW		AR R
		AN340-3	.. NUT		AR R
		S2527-3	.. CLAMP		01 R
		S2099-4	.. SOCKET	80001 81142	AR R
	GI001	200838-2	.. CONNECTOR GROUND (ZONE 211)	V00779 80884 & ON	01 R
		201846-1	.. CLAMP KIT		01 R
		203618-1	.. JACK SCREW		AR R
		AN340-3	.. NUT		AR R
		S2099-4	.. SOCKET	80001 81142	AR R
		S2099-3	.. CONTACT	81143 & ON	AR R
	HI009	S1360-5L	CIRCUIT BREAKER INSTRUMENTS (ZONE 224)		01 R
		MS35206-226	.. SCREW		AR R
		S2122-1	.. NUT		AR R
	JC001	S2349-5	.. CONNECTOR CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224)		01 R
		S2099-4	.. SOCKET		AR R
	JI015	S2349-3	.. CONNECTOR OIL TEMPERATURE/OIL PRESSURE INDICATOR (ZONE 220)		01 R
		S2099-3	.. CONTACT		AR R
		S2099-4	.. SOCKET		AR R
		S2414-1	.. KEYING PLUG		AR R
	JN004	S2800-277	.. CONNECTOR (ZONE 120)		01 R
	PC001	S2350-10	.. CONNECTOR CIRCUIT BREAKER PANEL (ZONE 224)		01 R
		S2353-4	.. PIN		AR R
		S2353-5	.. PIN		AR R
	UI006	P165-5281	.. TRANSDUCER OIL PRESSURE (ZONE 120)		01 R
	UN004	S2335-1	.. SENSOR OIL TEMPERATURE (ZONE 120)		01 R

- ITEM NOT ILLUSTRATED

CHAPTER

80

STARTING

CESSNA AIRCRAFT COMPANY
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SUBJECT
STARTING - GENERAL

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FIGURE

EFFECTIVITY
START END

CESSNA AIRCRAFT COMPANY
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STARTING - GENERAL

1. General

- I** A. Refer to Chapter 24 for Starting circuit.

CHAPTER

91

CHARTS

CESSNA AIRCRAFT COMPANY
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91-10-02	7	Jan 20/2006

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<u>SUBJECT</u>	<u>CHAPTER/ SECTION/ SUBJECT</u>	<u>FIGURE</u>	<u>EFFECTIVITY START END</u>
CONNECTORS	91-10-00		
GROUNDS - LOCATION AND WIRING	91-10-02		

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JC001

2HI008-1JC001
2HI009-2JC001
2HI009-3JC001
2HI009-4JC001
2HI003-5JC001
2HI003-6JC001
2HI003-7JC001
2HI003-8JC001
2HI015-8JC001
2HI009-9JC001
2HI012-10JC001
2HI002-11JC001
2HI005-12JC001
2HI005-13JC001
2HI002-14JC001
2HI022-15JC001
2HI022-16JC001
B1SI009-17JC001
B2SI009-18JC001
2HI015-19JC001
2HI030-19JC001
C2SI009-20JC001
2HI022-21JC001
2HI022-22JC001

JC005

3JI003-1JC005
6JC015-1JC005
6JI003-2JC005
BGI001-3JC005
2JI032-4JC005
1PI027-4JC005
AGI001-4JC005
8PC001-5JC005
9JC024-5JC005
9JI003-6JC005
AGI001-7JC005

JC007

2JI003-1JC007
22PC001-2JC007
1PC001-3JC007
15PC001-4JC007
2JI006-5JC007
14PC001-6JC007
5JC015-7JC007
4JC015-8JC007
17JI006-9JC007

PC001

1-1PC001-3JC007
2-2PC001-1JI013
3-3PC001-1JI015
4-4PC001-BATSI002
5-5PC001-3JC011
6-6PC001-3JI032
7-7PC001-1JI003
8-8PC001-5JC005
9-9PC001-1JI017
10-10PC001-AJF005
11-11PC001-4JL002
11PC001-1JV001
11PC001-1JR001
12-12PC001-3JR001
13-13PC001-6JL002
14-14PC001-6JC007
15-15PC001-4JC007
16-16PC001-1JI006
17-17PC001-CPB018
18-18PC001-DPB018
19-19PC001-1PT001
19PC001-1PC009
20-20PC001-MGI001
21-21PC001-EI003
22-22PC001-2JC007

PC005

1-1PC005-3BRI002
1PC005-
2-2PC005-3ARI002
3-3PC005-2ARI001
4-4PC005-3BRI001
4PC005-2PI029
4PC005-1RI004
5-5PC005-1BRI001
5PC005-3PI029
6-6PC005-3ARI001
7-7PC005-2ARI001

PC007

1-1PC007-4PI900
2-2PC007-14PI303
3-3PC007-API307
4-4PC007-1PZ905
5-
6-6PC007-2JI506
6PC007-2JI514
7-7PC007-17PI702
8-8PC007-7PI702
9-

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33-10-06
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JC010

2HI013- 1JC010 —
2HI001- 2JC010 —
2HI004- 3JC010 —
2HI007- 4JC010 —
2HI006- 5JC010 —
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PC010

1 — 1PC010-2JL002
2 — 2PC010-1JL002
3 — 3PC010-1JV003
4 — 4PC010-1JI001
5 — 5PC010-5JL002
6 —
7 —
8 —
9 —

REFER TO

33-40-05
33-40-05
33-40-03
27-50-01
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JC011

3JL002- 1JC011 —
2JR001- 1JC011 —
EEGI001- 2JC011 —
5PC001- 3JC011 —

PC011

1 — 1PC011-2SC004
2 — 2PC011-2FC002
3 — 3PC011-1SC002

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JC012

B1SI001- 1JC012 —
B2SI010- 1JC012 —
B1SI010- 1JC012 —

B2SI001- 2JC012 —
B1SI010- 2JC012 —
B2SI010- 2JC012 —

PC012

1 — 1PC012-1HI906
— 1PC012-1HI904
— 1PC012-1HI901
2 — 2PC012-1HI904
— 2PC012-1HI900
— 2PC012-1HI911

REFER TO

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JC014

16JI006- 1JC014 —
15JI006- 2JC014 —
BBGI001- 3JC014 —

PC014

1 — 1PC014-1SI003
2 — 2PC014-3SI003
3 — 3PC014-2SI003

REFER TO

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JC015

16JI006- 1JC015 —
— 1JC015 —
15JI006- 2JC015 —
— 2JC015 —
BBGI001- 3JC015 —
— 3JC015 —
8JC007- 4JC015 —
— 4JC015 —
7JC007- 5JC015 —
1JC005- 6JC015 —

PC015

1 — 1PC015-A1SI004
— 1PC015-4PC015
— 1PC015-A1SI005
2 — 2PC015-A3SI004
— 2PC015-1DI005
— 2PC015-B3SI005
3 — 3PC015-B2SI004
— 3PC015-B2SI005
4 — 4PC015-B1SI004
— 4PC015-1PC015
5 — 5PC015-B3SI004
— 5PC015-2DI005
6 — 6PC015-B1SI005

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JC023

16PI303-14JC023 —
API307-15JC023 —
4JI514-16JC023 —
53PI532-18JC023 —
1PZ906-22JC023 —
14PI303-23JC023 —

PC023

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27-50-01	1JI001- 3JC024 —	3 —	
74-10-01	BATSI002- 4JC024 —	4 —	
33-10-01	5JI003- 5JC024 —	5 —	
33-10-01	1JI003- 8JC024 —	8 —	
33-10-01	5JC005- 9JC024 —	9 —	
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	—	1 —	
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REFER TO	JC031	PC031	REFER TO
23-50-24	4PI900- 1JC031 —	1 — 1PC031-2JI003	33-10-01
23-50-24	2JI514- 6JC031 —	6 —	
REFER TO	JC522	PC522	REFER TO
	—	1 — 1PC522-37PI531	23-50-24
	—	2 — 2PC522-18PI531	23-50-24
	—	3 — 3PC522-17PI531	23-50-24
	—	4 — 4PC522-SHLDPI531	23-50-24
REFER TO	JC800	PC800	REFER TO
	—	1 — 1PC800-8PI800	34-53-01
	—	2 — 2PC800-22PI700	34-52-20
		└ 2PC800-MPI800	34-53-01
	—	3 — 3PC800-23PI700	34-52-20
		└ 3PC800-KPI800	34-53-01
	—	4 — 4PC800-24PI700	34-52-20
		└ 4PC800-JPI800	34-53-01
	—	5 — 5PC800-25PI700	34-52-20
		└ 5PC800-EPI800	34-53-01
	—	6 — 6PC800-15PC800	34-53-01
		└ 6PC800-BPF903	34-53-01
	—	7 —	
	—	8 —	
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		└ 9PC800-CPI800	34-53-01
	—	10 — 10PC800-27PI700	34-52-20
		└ 10PC800-BPI800	34-53-01
	—	11 — 11PC800-28PI700	34-52-20
		└ 11PC800-DPI800	34-53-01
	—	12 — 12PC800-30PI700	34-52-20
		└ 12PC800-HPI800	34-53-01
	—	13 — 13PC800-29PI700	34-52-20
		└ 13PC800-LPI800	34-53-01
	—	14 — 14PC800-6JI901	34-53-01
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		└ 15PC800-BPF903	34-53-01
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	—	3 — 3PF508-67PI531	23-50-24

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	—	2 — 2PF512-70PI531	23-50-24
	—	3 — 3PF512-69PI531	23-50-24
REFER TO	JI001	PI001	REFER TO
27-50-01	4PC010- 1JI001 —	1 — 1PI001-NOSI007	27-50-01
27-50-01	3JC024- 1JI001 —	1 — 1PI001-	
27-50-01	HGI001- 2JI001 —	2 — 2PI001-NCSI008	27-50-01
27-50-01	4JR001- 3JI001 —	3 — 3PI001-CSI007	27-50-01
27-50-01	5JR001- 4JI001 —	4 — 4PI001-CSI008	27-50-01
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37-20-01	CSN012- 6JI006 —	6 — —	
31-20-01	CJN005- 7JI006 —	7 — —	
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31-50-01	2JC014- 15JI006 —	15 — —	
31-50-01	2JC015- 15JI006 —		
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31-50-01	9JC007- 17JI006 —		
31-50-01	1JC015- 18JI006 —	18 — —	
31-50-01	1JC014- 18JI006 —		
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31-50-01	AAGI001- 20JI006 —	20 — —	

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33-10-03

J1007

1J1016- 1J1007 —
1J1008- 1J1007 —
1DI300- 1J1007 —
API310- 1J1007 —
EPT302- 1J1007 —
2J1016- 2J1007 —
2J1008- 2J1007 —

PI007

1 — 1PI007-WHTEI007

2 — 2PI007-BLKEI007

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33-10-03
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J1008

1J1007- 1J1008 —
1J1009- 1J1008 —
2J1007- 2J1008 —
2J1009- 2J1008 —

PI008

1 — 1PI008-WHTEI004

2 — 2PI008-BLKEI004

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J1009

1J1008- 1J1009 —
1J1010- 1J1009 —

2J1008- 2J1009 —
2J1010- 2J1009 —

PI009

1 — 1PI009-WHTEI008

L 1PI009-WHTEI025
2 — 2PI009-BLKEI008

L 2PI009-BLKEI025

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33-10-03 (172 ONLY)
33-10-03 (172S ONLY)

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J1010

1J1009- 1J1010 —
1J1011- 1J1010 —
2J1009- 2J1010 —
2J1011- 2J1010 —

PI010

1 — 1PI010-WHTEI009

2 — 2PI010-BLKEI029

REFER TO

33-10-03

33-10-03

REFER TO

33-10-03
33-10-03
33-10-03
33-10-03

J1011

1J1010- 1J1011 —
2PI012- 1J1011 —
2J1010- 2J1011 —
4PI012- 2J1011 —

PI011

1 — 1PI011-WHTEI010

2 — 2PI011-BLKEI010

REFER TO

33-10-03

33-10-03

REFER TO

33-10-01
33-10-01

J1012

4J1003- 2J1012 —
CG1001- 4J1012 —

PI012

2 — 2PI012-1J1011
4 — 4PI012-2J1011

REFER TO

33-10-03
33-10-03

REFER TO

28-40-01
28-40-01

28-40-01

33-10-04
33-10-04
28-40-01
28-40-01
28-40-01

J1013

2PC001- 1J1013 —
8JL002- 2J1013 —

6JR001- 4J1013 —

8J1021- 6J1013 —
6J1015- 6J1013 —
19J1006- 7J1013 —
8J1006- 8J1013 —
RG1001- 9J1013 —

PI013

1 —
2 —
3 —
4 —
5 —
6 —
7 —
8 —
9 —

REFER TO

REFER TO

33-10-03

33-10-03

J1014

2J1012- 1J1014 —

4J1012- 2J1014 —

PI014

1 — 1PI014-WHTEI005
L 1PI014-WHTEI026
2 — 2PI014-BLKEI005
L 2PI014-BLKEI026

REFER TO

33-10-03 (172 ONLY)
33-10-03 (172S ONLY)
33-10-03 (172 ONLY)
33-10-03 (172S ONLY)

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REFER TO	J1015	PI015	REFER TO
79-30-01	3PC001- 1J1015	1 —	
79-30-01	1UN004- 2J1015	2 —	
	—	3 —	
	—	4 —	
	—	5 —	
33-10-04	6J1013- 6J1015	6 —	
33-10-04	6J1017- 6J1015	—	
79-30-01	BJN004- 7J1015	7 —	
79-30-01	CJN004- 8J1015	8 —	
79-30-01	PGI001- 9J1015	9 —	
REFER TO	J1016	PI016	REFER TO
33-10-03	1J1007- 1J1016	1 — 1PI016-WHTEI006	33-10-03
33-10-03	2J1007- 2J1016	2 — 2PI016-BLKEI006	33-10-03
REFER TO	J1017	PI017	REFER TO
77-20-01	9PC001- 1J1017	1 —	
	—	2 —	
77-20-01	+JN006- 3J1017	3 —	
77-20-01	CJN001- 4J1017	4 —	
77-20-01	BJN001- 5J1017	5 —	
33-10-01	4J1003- 6J1017	6 —	
33-10-04	6J1015- 6J1017	—	
77-20-01	17J1006- 7J1017	7 —	
77-20-01	-JN006- 8J1017	8 —	
77-20-01	WGI001- 9J1017	9 —	
77-20-01	SHLDJ1017- 9J1017	—	
REFER TO	J1019	PI019	REFER TO
	—	1 —	
24-30-01	FPB018- 2J1019	2 —	
24-30-01	GPB018- 3J1019	3 —	
	—	4 —	
	—	5 —	
33-10-04	8J1021- 6J1019	6 —	
	—	7 —	
	—	8 —	
24-30-01	HHGI001- 9J1019	9 —	
REFER TO	J1021	PI021	REFER TO
31-20-01	KGI001- 1J1021	1 —	
31-20-01	SHLDJ1021- 1J1021	—	
31-20-01	+E1003- 2J1021	2 —	
	—	3 —	
31-20-01	GNDEI003- 4J1021	4 —	
	—	5 —	
31-20-01	BLUTF001- 6J1021	6 —	
31-20-01	WHHTF001- 7J1021	7 —	
33-10-04	6J1013- 8J1021	8 —	
33-10-04	6J1019- 8J1021	—	
31-20-01	BPB018- 9J1021	9 —	
REFER TO	J1032	P1	REFER TO
33-10-06	GF011- 1J1032	1 — 1P1-UI001	33-10-06
33-10-06	4JC005- 2J1032	2 — 2PI032-UI001	33-10-06
33-10-06	6PC001- 3J1032	3 —	

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REFER TO

JI302	PI302	REFER TO
—	1 — 1PI302-GS301	22-10-30
	└ 1PI302-SHLDPI302	22-10-30
	└ 1PI302-31PI303	22-10-30
	└ 1PI302-11PI303	22-10-30
	└ 1PI302-27PI303	22-10-30
	└ 1PI302-34PI303	22-10-32
	└ 1PI302-SHLDPI304	22-10-41
—	2 — 2PI302-19PI304	22-10-30
—	3 — 3PI302-18PI304	22-10-30
—	4 — 4PI302-17PI304	22-10-30

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REFER TO

JI303

PI303

REFER TO

— 1	1PI303-6PS300	22-10-02
— 2	2PI303-PPI308	22-10-31
	└ 2PI303-46PT313	22-10-46
— 3	3PI303-CPI307	22-10-02
— 4	4PI303-1PI305	22-10-02
— 5	5PI303-4PS300	22-10-02
— 6	6PI303-14PI507	22-10-02
	└ 6PI303-TPI516	22-10-42
	└ 6PI303-20PI531	22-10-46
— 7	7PI303-13PI604	22-10-30
	└ 7PI303-27PI705	22-10-31
	└ 7PI303-25PT311	22-10-46
— 8	8PI303-5PI305	22-10-02
— 9	9PI303-5JI506	22-10-31
	└ 9PI303-7PS300	22-10-31
	└ 9PI303-5JI514	22-10-42
	└ 9PI303-HPT300	22-10-42
	└ 9PI303-7PS300	22-10-42
— 10	10PI303-EPI307	22-10-02
— 11	11PI303-PPI309	22-10-31
	└ 11PI303-27PI303	22-10-32
	└ 11PI303-31PI303	22-10-32
	└ 11PI303-34PI303	22-10-32
	└ 11PI303-GS301	22-10-32
	└ 11PI303-1PI302	22-10-32
	└ 11PI303-SHLDPI302	22-10-32
	└ 11PI303-68PT312	22-10-46
— 12	12PI303-13PI900	22-10-02
	└ 12PI303-3PI900	22-10-46
— 13	13PI303-3PI305	22-10-02
— 14	14PI303-2PC007	22-10-02
		22-10-31
	└ 14PI303-23JC023	22-10-46
— 15	15PI303-35PI303	22-10-02
	└ 15PI303-31PI303	22-10-02
	└ 15PI303-GS301	22-10-02
	└ 15PI303-SHLDPI303	22-10-02
	└ 15PI303-2PI305	22-10-02
	└ 15PI303-RPF903	22-10-31
	└ 15PI303-CPF903	22-10-42
	└ 15PI303-CPF902	22-10-46
— 16	16PI303-9JI901	22-10-02
	└ 16PI303-6PS300	22-10-32
	└ 16PI303-14JC023	22-10-46
— 18	18PI303-1PS300	22-10-02
— 19	19PI303-2PS300	22-10-02
— 21	21PI303-DPI307	22-10-02
— 22	22PI303-11PI604	22-10-30
	└ 22PI303-18PI704	22-10-31
	└ 22PI303-19PT312	22-10-46
— 23	23PI303-12PI604	22-10-30
	└ 23PI303-19PI704	22-10-31
	└ 23PI303-20PT312	22-10-46
— 24	24PI303-17PI604	22-10-30
	└ 24PI303-22PI704	22-10-31

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	24PI303-17PT312	22-10-46
— 25	— 25PI303-16PI604	22-10-30
	— 25PI303-23PI704	22-10-31
	— 25PI303-18PT312	22-10-46
— 27	— 27PI303-5PI308	22-10-31
	— 27PI303-11PI303	22-10-32
	— 27PI303-GS301	22-10-32
	— 27PI303-1PI302	22-10-32
	— 27PI303-SHLDPI302	22-10-32
	— 27PI303-31PI303	22-10-32
	— 27PI303-34PI303	22-10-32
	— 27PI303-SPI308	22-10-33
	— 27PI303-4PI306	22-10-46
	— 27PI303-SHLDPI303	22-10-46
	— 27PI303-49PT313	22-10-46
— 28	— 28PI303-3PI306	22-10-02
— 29	— 29PI303-2PI306	22-10-02
— 30	— 30PI303-4PI305	22-10-02
— 31	— 31PI303-GS301	22-10-02
	— 31PI303-2PI305	22-10-02
	— 31PI303-SHLDPI303	22-10-02
	— 31PI303-35PI303	22-10-02
	— 31PI303-15PI303	22-10-02
	— 31PI303-34PI303	22-10-32
	— 31PI303-11PI303	22-10-32
	— 31PI303-27PI303	22-10-32
	— 31PI303-GS301	22-10-32
	— 31PI303-SHLDPI302	22-10-32
	— 31PI303-SPI308	22-10-42
	— 31PI303-4PI306	22-10-46
— 34	— 34PI303-31PI303	22-10-32
	— 34PI303-11PI303	22-10-32
	— 34PI303-27PI303	22-10-32
	— 34PI303-GS301	22-10-32
	— 34PI303-SHLDPI302	22-10-32
	— 34PI303-SHLDPI303	22-10-33
	— 34PI303-2PI305	22-10-33
	— 34PI303-SPI308	22-10-42
	— 34PI303-4PI306	22-10-46
— 35	— 35PI303-31PI303	22-10-02
	— 35PI303-15PI303	22-10-02
	— 35PI303-GS301	22-10-02
	— 35PI303-2PI305	22-10-02
	— 35PI303-SHLDPI303	22-10-02
	— 35PI303-RPF903	22-10-31
	— 35PI303-15PI303	22-10-31
	— 35PI303-CPF903	22-10-42
	— 35PI303-CPF902	22-10-46

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REFER TO

JI304	PI304	REFER TO
— 1	1PI304-KPT301	22-10-40
— 2	2PI304-JPT301	22-10-40
— 3	3PI304-LPI800	22-10-40
	└ 3PI304-74PT313	22-10-46
— 4	4PI304-RPT301	22-10-40
— 5	5PI304-HPI800	22-10-40
	└ 5PI304-75PT313	22-10-46
— 6	6PI304-JPT300	22-10-40
— 7	7PI304-DPT300	22-10-40
— 8	8PI304-FPT300	22-10-40
— 9	9PI304-EPI309	22-10-40
	└ 9PI304-44PI604	22-10-41
	└ 9PI304-23PT312	22-10-46
— 10	10PI304-BPI309	22-10-40
	└ 10PI304-45PI604	22-10-41
	└ 10PI304-24PT312	22-10-46
— 11	11PI304-MPI800	22-10-40
	└ 11PI304-67PT313	22-10-46
— 12	12PI304-19PI705	22-10-40
	└ 12PI304-47PI604	22-10-41
	└ 12PI304-26PT312	22-10-46
— 13	13PI304-KPI800	22-10-40
	└ 13PI304-68PT313	22-10-46
— 14	14PI304-JPI800	22-10-40
	└ 14PI304-69PT313	22-10-46
— 15	15PI304-GS301	22-10-30
	└ 15PI304-SHLDPI303	22-10-30
	└ 15PI304-SHLDPI304	22-10-40
— 17	17PI304-4PI302	22-10-30
	└ 17PI304-EPI308	22-10-31
	└ 17PI304-48PT313	22-10-46
— 18	18PI304-3PI302	22-10-30
— 19	19PI304-2PI302	22-10-30
— 20	20PI304-BPI800	22-10-40
	└ 20PI304-72PT313	22-10-46
— 21	21PI304-DPI800	22-10-40
	└ 21PI304-73PT313	22-10-46
— 22	22PI304-6JI514	22-10-42
— 23	23PI304-RPT300	22-10-40
— 24	24PI304-LPT300	22-10-40
— 25	25PI304-8JI514	22-10-42
— 26	26PI304-38PI604	22-10-30
	└ 26PI304-45PI705	22-10-31
	└ 26PI304-27PT311	22-10-46
— 27	27PI304-7JI514	22-10-42
— 28	28PI304-KPT300	22-10-40
— 29	29PI304-77PT313	22-10-46
— 31	31PI304-18PI705	22-10-40
	└ 31PI304-46PI604	22-10-41
	└ 31PI304-25PT312	22-10-46
— 32	32PI304-LPT301	22-10-40
— 33	33PI304-EPI800	22-10-40
	└ 33PI304-70PT313	22-10-46
— 34	34PI304-CPI800	22-10-40
	└ 34PI304-71PT313	22-10-46

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— 36	— 36PI304-DPT301	22-10-40
— 38	— 38PI304-32PI508	22-10-30
	└ 38PI304-2PI516	22-10-42
	└ 38PI304-34PI532	22-10-46
— 40	— 40PI304-64PT312	22-10-46
— 41	— 41PI304-34PT313	22-10-46
— 42	— 42PI304-36PT313	22-10-46
— 44	— 44PI304-APT301	22-10-40
	└ 44PI304-9PC007	22-10-40
	└ 44PI304-7PT311	22-10-46
— 45	— 45PI304-8PS300	22-10-42
— 46	— 46PI304-9PS300	22-10-42
— 47	— 47PI304-PPT300	22-10-40
— 48	— 48PI304-APT300	22-10-40

REFER TO

JI305	PI305	REFER TO
— 1	— 1PI305-4PI303	22-10-02
— 2	— 2PI305-GS301	22-10-02
	└ 2PI305-15PI303	22-10-02
	└ 2PI305-35PI303	22-10-02
	└ 2PI305-31PI303	22-10-02
	└ 2PI305-SHLDPI303	22-10-02
	└ 2PI305-34PI303	22-10-02
— 3	— 3PI305-13PI303	22-10-02
— 4	— 4PI305-30PI303	22-10-02
— 5	— 5PI305-8PI303	22-10-02

REFER TO

JI306	PI306	REFER TO
— 1	— 1PI306-SHLDPI306	22-10-02
— 2	— 2PI306-29PI303	22-10-02
— 3	— 3PI306-28PI303	22-10-02
— 4	— 4PI306-GS301	22-10-02
	└ 4PI306-SHLDPI303	22-10-02
	└ 4PI306-27PI303	22-10-41
	└ 4PI306-11PI303	22-10-41
	└ 4PI306-31PI303	22-10-41
	└ 4PI306-34PI303	22-10-41

REFER TO

JI307	PI307	REFER TO
— A	— API307-3PC007	22-10-02
	└ API307-15JC023	22-10-46
— B	— BPI307-NPF902	22-10-02
	└ BPI307-SHLDPI307	22-10-02
	└ BPI307-DPF903	22-10-42
— C	— CPI307-3PI303	22-10-02
— D	— DPI307-21PI303	22-10-02
— E	— EPI307-10PI303	22-10-02

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REFER TO

JI308

PI308

REFER TO

—	A	—	
—	B	—	
—	C	—	
—	D	—	
—	E	—	
—	F	FPI308-19PI704	34-20-02
—	G	—	
—	H	HPI308-*EPT302	34-20-02
	L	HPI308-16JI901	34-20-02
—	J	—	
—	K	KPI308-18PI704	34-20-02
—	L	—	
—	M	—	
—	N	NPI308-2DI300	34-20-02
—	P	PPI308-2PI303	22-10-33
—	R	—	
—	S	SPI308-27PI303	22-10-33
—	T	TPI308-20PI704	34-20-02
—	U	—	
—	V	VPI308-22PI704	34-20-02
—	W	WPI308-19PI705	34-20-02
—	X	—	
—	Y	YPI308-KPT302	34-20-02
—	Z	ZPI308-21PI704	34-20-02
—	*A	—	
—	*B	*BPI308-23PI704	34-20-02
—	*C	*CPI308-SHLDPI308	22-10-33
	L	*CPI308-FPF903	34-20-02
	L	*CPI308-*TPI308	34-20-02
—	*D	—	
—	*E	*EPI308-17PI304	22-10-33
—	*F	*FPI308-HPT302	34-20-02
—	*G	—	
—	*H	—	
—	*J	*JPI308-YPT302	34-20-02
	L	*JPI308-JPI310	34-20-02
—	*K	*KPI308-DPT302	34-20-02
—	*L	—	
—	*M	—	
—	*N	*NPI308-VPT302	34-20-02
—	*O	—	
—	*P	—	
—	*Q	—	
—	*R	—	
—	*S	*SPI308-TPT302	34-20-02
	L	*SPI308-CPI310	34-20-02
—	*T	—	
—	*U	—	
—	*V	*VPI308-FPT302	34-20-02

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REFER TO

JI309	PI309	REFER TO
— A	API309-PPT302	34-20-02
— B	BPI309-10PI304	22-10-40
	└ BPI309-TPI510	34-50-13
— C	—	
— D	DPI309-SPT302	34-20-02
— E	EPI309-9PI304	22-10-40
	└ EPI309-SPI510	34-50-13
— F	—	
— G	—	
— H	HPI309-LPT302	34-20-02
— J	JPI309-18PI705	34-20-02
— K	—	
— L	LPI309-NPT302	34-20-02
— M	—	
— N	—	
— O	—	
— P	PPI309-11PI303	22-10-33
	└ PPI309-APT302	34-20-02
— Q	—	
— R	—	
— S	SPI309-AP1309	34-20-02
	└ SPI309-26PI704	34-20-02
— T	—	
— U	—	
— V	VPI309-30PI704	34-20-02
— W	—	
— X	XPI309-27PI704	34-20-02
— Y	YPI309-31PI704	34-20-02
— Z	—	
— *A	*API309-SPI309	34-20-02
	└ *API309-26PI704	34-20-02
— *B	*BPI309-28PI704	34-20-02
— *C	—	
— *D	*DPI309-DPI311	34-20-02
— *E	*EPI309-29PI704	34-20-02
— *F	—	
— *G	—	
— *H	*HPI309-HPI311	34-20-02
— *J	*JPI309-VPT302	34-20-02
— *K	—	
— *L	—	
— *M	*MPI309-API311	34-20-02
— *N	*NPI309-WPT302	34-20-02

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REFER TO

J1310

PI310

REFER TO

—	A	API310-1PI007	34-20-02
	└	API310-1DI300	34-20-02
—	B	BPI310-*NPT302	34-20-02
—	C	CPI310-*SPI308	34-20-02
—	D	DPI310-*CPT302	34-20-02
—	E	EPI310-*JPT302	34-20-02
—	F	FPI310-*KPT302	34-20-02
—	G	—	
—	H	HPI310-SHLDPI311	34-20-02
	└	HPI310-LPF902	34-20-02
	└	HPI310-JPF903	34-20-02
—	J	JPI310-*JPI308	34-20-02

REFER TO

J1311

PI311

REFER TO

—	A	API311-*MPI309	34-20-02
	└	API311-4PM300	34-20-02
—	B	BPI311-*TPT302	34-20-02
	└	BPI311-2PM300	34-20-02
—	C	—	
—	D	DPI311-*DPI309	34-20-02
	└	DPI311-6PM300	34-20-02
—	E	EPI311-ZPT302	34-20-02
	└	EPI311-1PM300	34-20-02
—	F	—	
—	G	—	
—	H	HPI311-*HPI309	34-20-02
	└	HPI311-5PM300	34-20-02

REFER TO

J1506

P1

REFER TO

23-50-20	GS309- 1J1506	1	1P1-A1	27-10-01
23-50-20	1PC511- 1J1506			
23-50-20	1PC510- 1J1506			
33-10-02	LPF902- 1J1506			
23-50-10	6PC007- 2J1506	2	2PI506-3R1	27-10-01
23-50-10	4PI508- 3J1506	3	3PI506-1S1	27-10-01
23-50-10	ORNPC504- 3J1506			
23-50-20	YPI516- 3J1506			
23-50-20	3PC511- 3J1506			
23-50-20	3PC510- 3J1506			
22-10-02	10J1901- 4J1506	4	4PI506-1S2	27-10-01 (17280831 & On
27-10-01			└ 4PI506-A2	27-10-01 (17280001 THRU 17280830
22-10-02	7PS300- 5J1506	5	5PI506-A2	27-10-01 (17280001 THRU 17280830
22-10-30	9PI303- 5J1506		└ 5PI506-2S2	27-10-01 (17280831 & On
		6	6PI506-1S4	27-10-01 (17280831 & On
		7	7PI506-3S4	27-10-01 (17280831 & On
		8	8PI506-3S3	27-10-01 (17280831 & On
		9	9PI506-2S3	27-10-01 (17280831 & On

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REFER TO

J1507	PI507	REFER TO
— 1	1PI507-49PI508	23-50-10
—	└ 1PI507-3JI901	23-50-10
—	└ 1PI507-4JI901	23-50-21
— 2	2PI507-KPF902	23-50-10
—	└ 2PI507-JPF902	23-50-21
—	└ 2PI507-34PI507	23-50-21
— 3	3PI507-1PI900	23-50-10
— 4	4PI507-9PI511	34-50-10
— 5	5PI507-9PI512	34-50-20
— 6	—	
— 7	7PI507-10PI511	34-50-10
— 8	8PI507-10PI512	34-50-20
— 9	9PI507-10PI602	34-51-01
— 10	—	
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— 14	14PI507-6PI303	22-10-02
— 15	15PI507-15PI700	34-52-21
— 16	—	
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— 21	21PI507-KPI511	34-50-10
— 22	22PI507-KPI512	34-50-20
— 23	—	
— 24	24PI507-LPI511	34-50-10
— 25	25PI507-LPJ512	34-50-20
— 26	26PI507-HPI602	34-51-01
— 27	—	
— 28	—	
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— 30	—	
— 31	31PI507-SHLDPI507	22-10-02
— 32	32PI507-16PI700	34-52-21
— 33	—	
— 34	34PI507-JPF902	23-50-10
— 35	—	
— 36	—	
— 37	37PI507-2PI511	34-50-10
— 38	38PI507-6PI511	34-50-10
— 39	39PI507-2PI512	34-50-20
— 40	40PI507-6PI512	34-50-20

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—	4	4PI508-ORNPC504	23-50-10
		└ 4PI508-3JI506	23-50-10
—	5	5PI508-1JI513	23-50-10
—	6	6PI508-WHTPC504	23-50-10
		└ 6PI508-WHTPC503	23-50-10
—	7	7PI508-WHT PF503	23-50-10
—	8	—	
—	9	9PI508-WHTPC502	23-50-10
—	10	10PI508-TPF502	23-50-10
—	11	—	
—	12	12PI508-WHTUC500	23-50-10
—	13	—	
—	14	—	
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—	17	17PI508-PF1001	23-50-10
—	18	—	
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—	22	22PI508-WHTPC505	23-50-10
—	23	23PI508-WHTPF505	23-50-10
—	24	—	
—	25	25PI508-WHTPC506	23-50-10
—	26	26PI508-WHTPF504	23-50-10
—	27	—	
—	28	—	
—	29	29PI508-BLUUC500	23-50-10
—	30	—	
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—	32	32PI508-38PI304	22-10-30
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—	49	49PI508-1PI507	23-50-10
		└ 49PI508-3JI901	23-50-10
—	50	50PI508-HPF903	23-50-10

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P1510

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—	P	—
—	Q	—
—	R	—
	RPI510-12PI605	34-50-11
	L RPI510-24PI604	34-50-12
	L RPI510-2PI705	34-50-13
—	S	—
	SPI510-3PI605	34-50-11
	L SPI510-29PI604	34-50-12
	L SPI510-EP1309	34-50-13
—	T	—
	TPI510-6PI605	34-50-11
	L TPI510-28PI604	34-50-12
	L TPI510-BPI309	34-50-13
—	U	—
	UPI510-9PI605	34-50-11
	L UPI510-25PI604	34-50-12
	L UPI510-1PI705	34-50-13

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JI511	PI511	REFER TO
1	---	
2	2PI511-37PI507	34-50-10
	└ 2PI511-PPI516	34-50-10
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5	---	
6	6PI511-38PI507	34-50-10
	└ 6PI511-RPI516	34-50-10
7	---	
8	8PI511-4PI601	34-50-10
	└ 8PI511-4PI605	34-50-11
	└ 8PI511-SPT303	34-50-13
	└ 8PI511-10PI604	34-50-11
9	9PI511-4PI507	34-50-10
	└ 9PI511-9PI516	34-50-10
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D	---	
E	---	
F	---	
G	---	
H	HPI511-2PI601	34-50-10
	└ HPI511-2PI605	34-50-11
	└ HPI511-6PT303	34-50-13
	└ HPI511-6PI604	34-50-11
I	---	
J	---	
K	KPI511-21PI507	34-50-10
	└ KPI511-GS309	34-50-10
L	LPI511-24PI507	34-50-10
	└ LPI511-GS309	34-50-10
M	---	
N	NPI511-8PI601	34-50-10
	└ NPI511-8PI605	34-50-11
	└ NPI511-RPT303	34-50-13
	└ NPI511-41PI604	34-50-11
O	---	
P	PPI511-1JI901	34-50-10
	└ PPI511-13PI511	34-50-11
Q	---	
R	---	
S	SPI511-DPF902	34-50-10
	└ SPI511-BPF902	34-50-11
T	---	
10	10PI511-7PI507	34-50-10
	└ 10PI511-12PI516	34-50-10
11	---	
12	---	
13	13PI511-1JI901	34-50-10
	└ 13PI511-PPI511	34-50-10
14	---	
15	15PI511-CPF902	34-50-10
	└ 15PI511-SHLDPI511	34-50-10
	└ 15PI511-BPF902	34-50-11

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25	— 25PI511-3PI900	34-50-10
J1512		
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2	— 2PI512-39PI507	34-50-20
	└ 2PI512-HPI516	34-50-20
3	—	
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6	— 6PI512-40PI507	34-50-20
	└ 6PI512-VP1516	34-50-20
7	—	
8	— 8PI512-4PI601	34-50-20
9	— 9PI512-5PI507	34-50-20
	└ 9PI512-10PI516	34-50-20
H	— HPI512-2PI601	34-50-20
K	— KPI512-22PI507	34-50-20
	└ KPI512-GS309	34-50-20
L	— LPI512-25PI507	34-50-20
	└ LPI512-GS309	34-50-20
N	— NPI512-8PI601	34-50-20
P	— PPI512-2JI901	34-50-20
S	— SPI512-HPF902	34-50-20
	└ SPI512-15PI512	34-50-20
	└ SPI512-DPF902	34-50-20
	└ SPI512-SHLDPI512	34-50-20
10	— 10PI512-8PI507	34-50-20
	└ 10PI512-13PI516	34-50-20
11	—	
12	—	
13	— 13PI512-2JI901	34-50-20
	└ 13PI512-PPI512	34-50-20
14	—	
15	— 15PI512-FPF902	34-50-20
	└ 15PI512-SHLDPI512	34-50-20
	└ 15PI512-DPF902	34-50-20
	└ 15PI512-SPI512	34-50-20
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25	— 25PI512-7PI900	34-50-20

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J1513

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51PI531- 2J1513

PI513

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23-50-21
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YPI516- 1J1514
WHTPC511- 1J1514
WHTPC510- 1J1514
APF903- 1J1514
6PC007- 2J1514
6JC031- 2J1514
GS309- 3J1514
ORNPC511- 3J1514
ORNPC510- 3J1514
29PI531- 3J1514
10J1901- 4J1514
16JC023- 4J1514
HPT300- 5J1514
7PS300- 5J1514
9PI303- 5J1514
22PI304- 6J1514
27PI303- 7J1514
25PI304- 8J1514
FPF903- 9J1514
HPF903- 9J1514
EPF903- 9J1514
DPF902- 9J1514

PI514

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J1515

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PI515

1 — 1PI515-48PI531
2 — 2PI515-68PI531
3 — 3PI515-67PI531

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JI516	PI516	REFER TO
— 1	1PI516-GS309	23-50-21
—	└ 1PI516-SHLDPC510	23-50-21
—	└ 1PI516-SHLDPC511	23-50-21
—	└ 1PI516-SHLDPC509	23-50-21
—	└ 1PI516-SHLDUC500	23-50-21
— 2	2PI516-38PI304	22-10-42
— 3	3PI516-3PC509	23-50-20
— 4	—	
— 5	—	
— 6	—	
— 7	—	
— 8	8PI516-2PC511	23-50-20
—	└ 8PI516-2PC510	23-50-20
— 9	9PI516-9PI511	34-50-10
— A	API516-SHLDPI516	23-50-20
— B	BPI516-PF1001	23-50-21
— E	EPI516-MPF902	23-50-21
— F	FPI516-1PI900	23-50-21
— H	HPI516-2PI512	34-50-20
— P	PPI516-2PI511	34-50-10
— R	RPI516-6PI511	34-50-10
— S	SPI516-10PI602	34-51-01
— T	TPI516-6PI303	22-10-42
— V	VPI516-6PI512	34-50-20
— W	WPI516-HUC500	23-50-20
— Y	YPI516-1JI514	23-50-21
—	└ YPI516-3PC511	23-50-20
—	└ YPI516-3PC510	23-50-20
—	└ YPI516-3JI506	23-50-20
— Z	ZPI516-MPF903	23-50-21
— 10	10PI516-9PI512	34-50-20
— 11	—	
— 12	12PI516-10PI511	34-50-10
— 13	13PI516-10PI512	34-50-20
— 14	—	
— 15	—	
— 16	—	
— 17	—	
— 18	—	
— 19	—	
— 20	20PI516-4JI901	23-50-21
— 21	—	
— 22	22PI516-GUC500	23-50-20
—	└ 22PI516-1PC509	23-50-20
— 23	—	
— 24	—	
— 25	—	

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J1517	PI517	REFER TO
1	1PI517-WHTPC509	23-50-21
2	2PI517-2PF512	23-50-21
3	3PI517-3PF512	23-50-21
4	4PI517-2PC517	23-50-21
5	5PI517-2PF509	23-50-21
6	—	—
7	—	—
8	8PI517-2PF513	23-50-21
9	9PI517-3PF513	23-50-21
	└ 9PI517-1J1513	23-50-21
B	BPI517-SHLDPI517	23-50-21
	└ BPI517-1PF512	23-50-21
D	DPI517-1OC517	23-50-21
	└ DPI517-SHLDPI517	23-50-21
E	EPI517-1PF509	23-50-21
	└ EPI517-SHLDPI517	23-50-21
K	KPI517-2J1513	23-50-21
	└ KPI517-1PF513	23-50-21
	└ KPI517-SHLDPI517	23-50-21
N	NPI517-1PC515	23-50-21
	└ NPI517-SHLDPI517	23-50-21
	└ NPI517-1PF508	23-50-21
R	RPI517-TPI517	23-50-21
	└ RPI517-WHTPC512	23-50-21
	└ RPI517-SHLDPI517	23-50-21
T	TPI517-RPI517	23-50-21
	└ TPI517-1PC512	23-50-21
	└ TPI517-SHLDPI517	23-50-21
10	—	—
11	11PI517-3PC515	23-50-21
	└ 11PI517-3PF508	23-50-21
12	12PI517-2PC515	23-50-21
	└ 12PI517-2PF508	23-50-21
13	13PI517-15PI517	23-50-21
	└ 13PI517-3PC512	23-50-21
14	14PI517-6PI303	22-10-02
	└ 14PI517-16PI517	23-50-21
	└ 14PI517-2PC512	23-50-21
15	15PI517-13PI517	23-50-21
	└ 15PI517-3PC512	23-50-21
16	16PI517-2PC512	23-50-21
	└ 16PI517-14PI517	23-50-21
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— 31 — 31PI517-SHLDPI507 22-10-02

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JI531	PI531	REFER TO
— 7	7PI531-9PT317	23-50-24
— 8	8PI531-10PT317	23-50-24
	└ 8PI531-8PT317	23-50-24
— 9	9PI531-3PC509	23-50-24
— 10	10PI531-2PC509	23-50-24
— 11	11PI531-1PC509	23-50-24
— 17	17PI531-3PC522	23-50-24
	└ 17PI531-56PI531	23-50-24
— 18	18PI531-2PC522	23-50-24
	└ 18PI531-57PI531	23-50-24
— 20	20PI531-6PI303	22-10-46
— 26	26PI531-7PT317	23-50-24
— 27	27PI531-4PT317	23-50-24
— 28	28PI531-2PC511	23-50-24
	└ 28PI531-2PC510	23-50-24
— 29	29PI531-3JI514	23-50-24
	└ 29PI531-3PC511	23-50-24
	└ 29PI531-3PC510	23-50-24
— 30	30PI531-1PC511	23-50-24
	└ 30PI531-1PC510	23-50-24
— 37	37PI531-1PC522	23-50-24
	└ 37PI531-76PI531	23-50-24
— 46	46PI531-2PC517	23-50-24
— 47	47PI531-1PC517	23-50-24
— 48	48PI531-1PF508	23-50-24
	└ 48PI531-1PC515	23-50-24
	└ 48PI531-SHLDPI531	23-50-24
— 49	49PI531-2PF513	23-50-24
— 50	50PI531-1JI513	23-50-24
	└ 50PI531-3PF513	23-50-24
— 51	51PI531-1PF513	23-50-24
	└ 51PI531-2JI513	23-50-24
— 56	56PI531-17PI531	23-50-24
— 57	57PI531-18PI531	23-50-24
— 65	65PI531-2PF509	23-50-24
— 66	66PI531-1PF509	23-50-24
— 67	67PI531-3PF508	23-50-24
	└ 67PI531-3PC515	23-50-24
— 68	68PI531-2PF305	23-50-24
	└ 68PI531-2PC515	23-50-24
— 69	69PI531-3PF512	23-50-24
— 70	70PI531-2PF512	23-50-24
— 71	71PI531-1PF512	23-50-24
— 76	76PI531-37PI531	23-50-24

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J1532	PI532	REFER TO
— 6	6PI532-59PT304	23-50-24
— 7	7PI532-62PT304	23-50-24
— 8	8PI532-14PT317	23-50-24
— 9	9PI532-13PT317	23-50-24
— 14	14PI532-APF902	23-50-24
— 28	28PI532-59PT303	23-50-24
— 29	29PI532-69PT304	23-50-24
— 34	34PI532-38PI304	22-10-46
— 38	38PI532-59PT307	23-50-24
— 39	39PI532-62PT307	23-50-24
— 41	41PI532-GUC500	23-50-24
— 42	42PI532-HUC500	23-50-24
— 47	47PI532-14PT305	23-50-24
— 48	48PI532-13PT305	23-50-24
— 52	52PI532-1PI900	23-50-24
— 53	53PI532-18JC023	23-50-24
— 59	59PI532-SHLDPI532	23-50-24
— 68	68PI532-59PT306	23-50-24
— 69	69PI532-61PT306	23-50-24
— 71	71PI532-61PT303	23-50-24
— 78	78PI532-PF1001	23-50-24

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J1601	PI601	REFER TO
— 1	1PI601-BPF902	34-50-10
	└ 1PI601-APF902	34-50-10
	└ 1PI601-EPF902	34-50-20
— 2	2PI601-HPI511	34-50-10
	└ 2PI601-HPI512	34-50-20
— 3	—	—
— 4	4PI601-8PI511	34-50-10
	└ 4PI601-EPF902	34-50-20
— 5	5PI601-5PI900	34-50-10
	└ 5PI601-9PI900	34-50-20
— 6	—	—
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— 8	8PI601-NPI511	34-50-10
	└ 8PI601-NPI512	34-50-20

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JI602	PI602	REFER TO
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6	6PI602-4PC600	34-51-01
7	—	
8	8PI602-2PC600	34-51-01
9	9PI602-12PI900	34-51-01
A	API602-CPI603	34-51-01
B	BPI602-CPI603	34-51-01
C	—	
D	DPI602-BPI603	34-51-01
E	EPI602-SHLDPI602	34-51-01
	L EPI602-MPI602	34-51-01
	L EPI602-PPI602	34-51-01
	L EPI602-SPI602	34-51-01
	L EPI602-RPI602	34-51-01
	L EPI602-MPF902	34-51-01
F	FPI602-5PC600	34-51-01
G	—	
H	HPI602-26PI507	34-51-01
I	—	
J	—	
K	—	
L	—	
M	MPI602-SHLDPI602	34-51-01
	L MPI602-PPI602	34-51-01
	L MPI602-SPI602	34-51-01
	L MPI602-RPI602	34-51-01
	L MPI602-EPI602	34-51-01
	L MPI602-MPF902	34-51-01
N	—	
P	PPI602-SHLDPI602	34-51-01
	L PPI602-MPI602	34-51-01
	L PPI602-SPI602	34-51-01
	L PPI602-RPI602	34-51-01
	L PPI602-EPI602	34-51-01
	L PPI602-MPF902	34-51-01
R	RPI602-SHLDPI602	34-51-01
	L RPI602-MPI602	34-51-01
	L RPI602-PPI602	34-51-01
	L RPI602-SPI602	34-51-01
	L RPI602-EPI602	34-51-01
	L RPI602-MPF902	34-51-01
S	SPI602-SHLDPI602	34-51-01
	L SPI602-MPI602	34-51-01
	L SPI602-RPI602	34-51-01
	L SPI602-PPI602	34-51-01
	L SPI602-EPI602	34-51-01
	L SPI602-MPF902	34-51-01
10	10PI602-9PI507	34-51-01
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12	12PI602-1PC600	34-51-01
13	13PI602-5JI901	34-51-01

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	15	15PI602-7PC600	34-51-01
JI603	PI603		REFER TO
—	A	API603-16PI900	34-51-01
—	B	BPI603-DPI602	34-51-01
—	C	CPI603-API602	34-51-01
—	D	—	
—	E	EPI603-8PI602	34-51-01
—	F	—	
—	G	—	
—	H	HPI603-PPF902	34-51-01
	L	HPI603-HPF902	34-51-01

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JI604	PI604	REFER TO
— 1	1PI604-24PI702	34-52-21
— 2	2PI604-34PI700	34-52-21
— 3	3PI604-11PI701	34-52-21
— 4	—	
— 5	5PI604-5PI900	34-50-12
— 6	6PI604-HPIS11	34-50-12
— 7	7PI604-2PI702	34-52-21
— 8	8PI604-16PI702	34-52-21
— 9	9PI604-17PI700	34-52-21
— 10	10PI604-8PI511	34-50-12
— 11	11PI604-22PI303	22-10-30
— 12	12PI604-23PI303	22-10-30
— 13	13PI604-7PI303	22-10-30
— 14	14PI604-36PI700	34-52-21
— 15	15PI604-35PI700	34-52-21
— 16	16PI604-25PI303	22-10-30
— 17	17PI604-24PI303	22-10-30
— 18	—	
— 19	—	
— 20	20PI604-11PI700	34-52-21
— 21	21PI604-12PI700	34-52-21
— 22	—	
— 23	—	
— 24	24PI604-RPI510	34-50-12
— 25	25PI604-UPI510	34-50-12
— 26	—	
— 27	—	
— 28	28PI604-TPI510	34-50-12
— 29	29PI604-SPI510	34-50-12
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— 34	34PI604-49PI604	34-50-12
	└ 34PI604-BPF902	34-50-12
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— 35	35PI604-8JI901	34-52-21
— 36	36PI604-37PI604	34-52-21
— 37	37PI604-36PI604	34-52-21
— 38	38PI604-26PI304	22-10-30
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— 39	39PI604-31PI700	34-52-21
— 40	40PI604-13PI702	34-52-21
— 41	41PI604-NPI511	34-50-12
— 42	42PI604-33PI700	34-52-21
— 43	43PI604-32PI700	34-52-21
— 44	44PI604-9PI304	22-10-41
— 45	45PI604-10PI304	22-10-41
— 46	46PI604-31PI304	22-10-41
— 47	47PI604-12PI304	22-10-41
— 48	48PI604-10PI701	34-52-21
— 49	49PI604-34PI604	34-50-12
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— 50	50PI604-37PI700	34-52-21

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— 1	1PI605-BPF902	34-50-11
— 2	2PI605-HPI511	34-50-11
— 3	3PI605-SPI510	34-50-11
— 4	4PI605-8PI511	34-50-11
— 5	5PI605-5PI900	34-50-11
— 6	6PI605-TPI510	34-50-11
— 7	—	
— 8	8PI605-NPI511	34-50-11
— 9	9PI605-UPI510	34-50-11
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— 12	12PI605-RPI510	34-50-11

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11	— 11PI700-20PI604	34-52-21
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12	— 12PI700-21PI604	34-52-21
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15	— 15PI700-15PI507	34-52-21
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17	— 17PI700-9PI604	34-52-21
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18	— 18PI700-8JI901	34-52-20
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20	— 20PI700-31PI700	34-52-20
	└ 20PI700-EPF903	34-52-20
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22	— 22PI700-2PC800	34-52-20
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30	— 30PI700-12PC800	34-52-20
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	└ 34PI700-43PI704	34-52-22
35	— 35PI700-15PI604	34-52-21
	└ 35PI700-45PI704	34-52-22
36	— 36PI700-14PI604	34-52-21
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—	10	10PI701-48PI604	34-52-21
—	11	11PI701-3PI604	34-52-21
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—	14	14PI701-20PI700	34-52-20
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—	16	16PI701-3PI702	34-52-21
—	17	17PI701-10PI702	34-52-21
—	18	18PI701-9PI702	34-52-21
—	19	19PI701-8PI702	34-52-21
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JI702

PI702

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—	1	1PI702-13JI901	34-52-21
—	2	2PI702-7PI604	34-52-21
—	3	3PI702-16PI701	34-52-21
—	4	4PI702-15PI701	34-52-21
—	5	5PI702-6PI900	34-52-21
—	6	6PI702-8PI700	34-52-21
—	7	7PI702-8PC007	34-52-21
—	8	8PI702-19PI701	34-52-21
—	9	9PI702-18PI701	34-52-21
—	10	10PI702-17PI701	34-52-21
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—	13	13PI702-40PI604	34-52-21
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—	16	16PI702-8PI604	34-52-21
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—	24	24PI702-1PI604	34-52-21
—	25	25PI702-DPF903	34-52-21

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— 1	1PI704-12PT303	34-50-13
— 2	2PI704-7PT303	34-50-13
— 3	3PI704-11PT303	34-50-13
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— 5	5PI704-3PT303	34-50-13
— 6	6PI704-10PT303	34-50-13
— 7	7PI704-2PT303	34-50-13
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— 9	9PI704-1PT303	34-50-13
— 10	10PI704-13PT303	34-50-13
— 11	11PI704-4PT303	34-50-13
— 12	12PI704-9PT303	34-50-13
— 13	13PI704-5PT303	34-50-13
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— 15	15PI704-KPT303	34-50-13
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— 17	17PI704-24PI702	34-52-22
— 18	18PI704-22PI303	22-10-33
	└ 18PI704-KPI308	34-20-02
— 19	19PI704-23PI303	22-10-33
	└ 19PI704-FPI308	34-20-02
— 20	20PI704-TPI308	34-20-02
— 21	21PI704-ZPI308	34-20-02
— 22	22PI704-24PI303	22-10-33
	└ 22PI704-VPI308	34-20-02
— 23	23PI704-25PI303	22-10-33
	└ 23PI704-BPI308	34-20-02
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— 26	26PI704-APi309	34-20-02
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— 27	27PI704-XPI309	34-20-02
— 28	28PI704-BPI309	34-20-02
— 29	29PI704-EPI309	34-20-02
— 30	30PI704-VPI309	34-20-02
— 31	31PI704-YPI309	34-20-02
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— 33	33PI704-8JI901	34-52-22
— 34	34PI704-10PI701	34-52-22
— 35	35PI704-11PI701	34-52-22
— 36	36PI704-33PI700	34-52-22
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— 38	38PI704-32PI700	34-52-22
— 39	39PI704-11PI700	34-52-22
— 40	40PI704-12PI700	34-52-22
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— 42	42PI704-37PI700	34-52-22
	└ 42PI704-44PI704	34-52-22
	└ 42PI704-48PI704	34-52-22
— 43	43PI704-34PI700	34-52-22
— 44	44PI704-42PI704	34-52-22
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	└ 44PI704-37PI700	34-52-22
— 45	45PI704-35PI700	34-52-22
— 46	46PI704-36PI700	34-52-22

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		└ 48PI704-37PI700	34-52-22

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10	10PI705-8PI511	34-50-13
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12	12PI705-16PI702	34-52-22
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16	16PI705-2PI702	34-52-22
17	17PI705-SHLDPI704	34-20-02
	└ 17PI705-29PI705	34-52-22
	└ 17PI705-20PI705	34-52-22
	└ 17PI705-DPF903	34-52-22
	└ 17PI705-25PI702	34-52-22
18	18PI705-31PI304	22-10-40
	└ 18PI705-JPI309	34-20-02
19	19PI705-12PI304	22-10-40
	└ 19PI705-WPI308	34-20-02
20	20PI705-29PI705	34-52-22
	└ 20PI705-17PI705	34-52-22
	└ 20PI705-DPF903	34-52-22
	└ 20PI705-25PI702	34-52-22
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27	27PI705-7PI303	22-10-33
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29	29PI705-17PI705	34-52-22
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34-50-10	13PI511-2J1901	2-2PI901-2HI901	24-62-11
34-50-20	PPI512-2J1901		34-50-20
34-50-20	13PI512-2J1901		
23-50-10	1PI507-3J1901	3-3PI901-2HI900	24-62-11
23-50-10	49PI508-3J1901		
		4-4PI901-2HI900	24-62-11
		4PI901-2HI901	24-62-11
34-51-01	13PI602-5J1901	5-5PI901-2HI903	24-62-11
34-53-01	14PC800-6J1901	6-6PI901-2HI904	24-62-11
34-53-01	11PI800-7J1901	7-7PI901-2HI904	24-62-11
34-52-20	18PI700-8J1901	8-8PI901-2HI902	24-62-11
34-52-20	19PI700-8J1901		
34-52-21	35PI604-8J1901		
22-10-02	16PI303-9J1901	9-9PI901-2HI905	24-62-11
		9PI901-2HI918	24-62-26
22-10-02	4JI506-10J1901	10-10PI901-2HI905	24-62-11
22-10-40	4JI514-10J1901		
		10PI901-2HI918	24-62-26
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21-20-01	1PC901-12J1901	12-12PI901-2HI906	24-62-11
34-52-21	1PI702-13J1901	13-13PI901-2HI900	24-62-11
34-20-01	5PI406-14J1901	14-14PI901-2HI902	24-62-20
34-20-01	6PI406-14J1901		
34-52-22	13PI702-14J1901		
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34-20-02	EPT302-16J1901	16-16PI901-2HI911	24-62-11
34-20-02	HPI308-16J1901		
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33-40-05	2PC010-1JL002	1-1PL002-1FL002	33-40-05
33-40-02	6PL002-1JL002	1PL002-REDUL003	33-40-02
33-40-05	1PC010-2JL002	2-2PL002-1FL001	33-40-05
33-40-04	1JC011-3JL002	3-3PL002-1PL004	33-40-04
33-40-01	11PC001-4JL002	4-4PL002-1JL003	33-40-01
30-30-01	5PC010-5JL002	5-5PL002-1JL006	30-30-01
30-30-01	2JC026-5JL002	5PL002-	
33-40-02	13PC001-6JL002	6-6PL002-1JL005	33-40-02
33-40-02	7JC026-6JL002	6PL002-	
33-40-05	FGI001-7JL002	7-7PL002-2FL002	33-40-05
28-40-01	2JI013-8JL002	8-8PL002-1UL002	28-40-01
28-40-01	YGI001-9JL002	9-9PL002-2UL002	28-40-01
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33-40-02	6PL002-1JL005	1-1PL005-REDUL001	33-40-02
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30-30-01	5PL002-1JL006	1-1PL006-2TL001	30-30-01
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30-30-01	GL010-1JL007	1-1PL007-1TL001	30-30-01

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—	A	APL301-5JM300	34-20-02
—	B	BPL301-4JM300	34-20-02
—	C	—	
—	D	DPL301-6JM300	34-20-02
—	E	EPL301-2JM300	34-20-02
—	F	—	
—	G	—	
—	H	HPL301-1JM300	34-20-02

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JM300

PM300

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34-20-02	HPL301- 1JM300	1	1PM300-EPI311	34-20-02
34-20-02	EPL301- 2JM300	2	2PM300-BPI311	34-20-02
34-20-02	SHLDJM300- 3JM300	3	3PM300-SHLDPM300	34-20-02
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34-20-02	APL301- 5JM300	5	5PM300-HPI311	34-20-02
34-20-02	DPL301- 6JM300	6	6PM300-DPI311	34-20-02
34-20-02	SHLDJM300- 7JM300	7	7PM300-SHLDPM300	34-20-02

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31-20-01	GNDEI003- AJN005	A	—	
31-20-01	JGI001- BJN005	B	—	
31-20-01	7JI006- CJN005	C	—	

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33-40-01	11PC001- 1JR001	1	1PR001-1JR002	33-40-01
33-40-04	1JC011- 2JR001	2	2PR001-1RP003	33-40-04
33-40-02	12PC001- 3JR001	3	3PR001-1JR004	33-40-02
33-40-02	7JC026- 3JR001	4	3PR001-	
27-50-01	3JI001- 4JR001	4	4PR001-1JR005	27-50-01
27-50-01	4JI001- 5JR001	5	5PR001-2JR005	27-50-01
28-40-01	4JI013- 6JR001	6	6PR001-1UR002	28-40-01
28-40-01	ZGI001- 7JR001	7	7PR001-2UR002	28-40-01

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PR004

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33-40-02	3PR001- 1JR004	1	1PR004-REDUR001	33-40-02
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PR005

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27-50-01	4PR001- 1JR005	1	1PR005-NCSR001	27-50-01
27-50-01	5PR001- 2JR005	2	2PR005-NCSR002	27-50-01

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JR006

PR006

REFER TO

27-50-01	CSR002- 1JR006	1	1PR006-YELMR001	27-50-01
27-50-01	2RR001- 1JR006	2	2PR006-BLKMR001	27-50-01
27-50-01	CSR001- 2JR006			
27-50-01	2RR002- 2JR006			

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JR007

PR007

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27-50-01	1RR001- 1JR007	1	1PR007-9JS300	22-10-01
27-50-01	1RR002- 2JR007	2	2PR007-8JS300	22-10-01

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JR022

PR022

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27-50-01	NOSR001- 1JR022	1	1PR022-GR010	27-50-01
27-50-01	NOSR002- 2JR022	2	2PR022-GR010	27-50-01

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		└	CPR301-SHLDPR301 22-10-01
—	D	—	DPR301-2JS300 22-10-01
—	E	—	EPR301-HPR301 22-10-01
		└	EPR301-7JS300 22-10-01
—	F	—	FPR301-6JS300 22-10-01
—	G	—	
—	H	—	HPR301-7JS300 22-10-01
		└	HPR301-EPR301 22-10-01
—	J	—	
—	K	—	KPR301-4JS300 22-10-01
—	L	—	LPR301-1JS300 22-10-01
—	M	—	
—	N	—	NPR301-GS300 22-10-01
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		└	NPR301-SHLDPR301 22-10-01

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JS300

PS300

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22-10-01	LPR301-1JS300	1	1PS300-18PI303	22-10-02
22-10-01	DPR301-2JS300	2	2PS300-19PI303	22-10-02
22-10-01	SHLDJS300-3JS300	3	3PS300-SHLDPS300	22-10-02
22-10-01	KPR301-4JS300	4	4PS300-5PI303	22-10-02
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22-10-01	FPR301-6JS300	6	6PS300-1PI303	22-10-02
22-10-01	HPR301-7JS300	7	7PS300-5JI506	22-10-02
22-10-01	EPR301-7JS300		└ 7PS300-HPT300	22-10-40
			└ 7PS300-5JI514	22-10-40
			└ 7PS300-9PI303	22-10-40
22-10-01	2PR007-8JS300	8	8PS300-45PI304	22-10-40
22-10-01	1PR007-9JS300	9	9PS300-46PI304	22-10-40

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— C	CPT300-NPT300	22-10-40
	└ CPT300-GS308	22-10-40
	└ CPT300-SHLDPT300	22-10-40
— D	DPT300-7PI304	22-10-40
— E	EPT300-HPT300	22-10-40
	└ EPT300-5JI514	22-10-40
	└ EPT300-EPT301	22-10-40
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— F	FPT300-8PI304	22-10-40
— G	—	
— H	HPT300-EPT300	22-10-46
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— J	JPT300-6PI304	22-10-40
— K	KPT300-28PI304	22-10-40
— L	LPT300-24PI304	22-10-40
— M	—	
— N	NPT300-CPT300	22-10-40
	└ NPT300-GS308	22-10-40
	└ NPT300-SHLDPT300	22-10-40
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— P	PPT300-47PI304	22-10-40
— R	RPT300-23PI304	22-10-40

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JT301	PT301	REFER TO
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— B	—	
— C	CPT301-NPT301	22-10-40
	└ CPT301-GS308	22-10-40
	└ CPT301-SHLDPT301	22-10-40
— D	DPT301-36PI304	22-10-40
— E	EPT301-HPT301	22-10-40
	└ EPT301-HPT300	22-10-40
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— F	FPT301-1PI304	22-10-41
— G	—	
— H	HPT301-EPT301	22-10-40
	└ HPT301-HPT300	22-10-40
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— J	JPT301-2PI304	22-10-40
— K	KPT301-1PI304	22-10-40
— L	LPT301-32PI304	22-10-40
— M	—	
— N	NPT301-CPT301	22-10-40
	└ NPT301-GS308	22-10-40
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— P	—	
— R	RPT301-4PI304	22-10-40

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REFER TO

JT302

PT302

REFER TO

—	A	—	
—	B	—	
—	C	—	
—	D	DPT302-*KPI308	34-20-02
—	E	—	
—	F	FPT302-*VPI308	34-20-02
—	G	—	
—	H	HPT302-*FPI308	34-20-02
—	J	—	
—	K	KPT302-YPI308	34-20-02
—	L	LPT302-HPI309	34-20-02
—	M	—	
—	N	NPT302-LPI309	34-20-02
—	P	PPT302-API309	34-20-02
—	Q	—	
—	R	—	
—	S	SPT302-DPI309	34-20-02
—	T	TPT302-*SPI308	34-20-02
	L	TPT302-CPI310	34-20-02
—	U	—	
—	V	VPT302-*NPI308	34-20-02
—	W	WPT302-*NPI309	34-20-02
—	X	—	
—	Y	YPT302-*JPI308	34-20-02
	L	YPT302-JPI310	34-20-02
—	Z	ZPT302-EPI311	34-20-02
—	*A	*APT302-PPi309	34-20-02
—	*B	*BPT302-GS901	34-20-02
	L	*BPT302-SHLDPT302	34-20-02
—	*C	*CPT302-DPI310	34-20-02
—	*D	—	
—	*E	*EPT302-16J1901	34-20-02
	L	*EPT302-HPI308	34-20-02
—	*F	—	
—	*G	—	
—	*H	—	
—	*J	*JPT302-EPI310	34-20-02
—	*K	*KPT302-FPI310	34-20-02
—	*L	—	
—	*M	—	
—	*N	*NPT302-BPI310	34-20-02
—	*P	—	
—	*R	—	
—	*S	—	
—	*T	*TPT302-BPI311	34-20-02
—	*U	—	
—	*V	*VPT302-*JPI309	34-20-02

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REFER TO

JT303	PT303	REFER TO
1	1PT303-9PI704	34-50-13
2	2PT303-7PI704	34-50-13
3	3PT303-5PI704	34-50-13
4	4PT303-11PI704	34-50-13
5	5PT303-13PI704	34-50-13
6	6PT303-HP1511	34-50-13
7	7PT303-2PI704	34-50-13
9	9PT303-12PI704	34-50-13
A	APT303-GS901	34-50-13
K	KPT303-15PI704	34-50-13
R	RPT303-NPI511	34-50-13
S	SPT303-8PI511	34-50-13
10	10PT303-6PI704	34-50-13
11	11PT303-3PI704	34-50-13
12	12PT303-1PI704	34-50-13
13	13PT303-10PI704	34-50-13
59	59PT303-28PI532	23-50-24
61	61PT303-71PI532	23-50-24

REFER TO

JT304	PT304	REFER TO
59	59PT304-6PI532	23-50-24
62	62PT304-7PI532	23-50-24
69	69PT304-29PI532	23-50-24

REFER TO

JT305	PT305	REFER TO
13	13PT305-48PI532	23-50-24
14	14PT305-47PI532	23-50-24

REFER TO

JT306	PT306	REFER TO
59	59PT306-68PI532	23-50-24
61	61PT306-69PI532	23-50-24

REFER TO

JT307	PT307	REFER TO
59	59PT307-38PI532	23-50-24
62	62PT307-39PI532	23-50-24

REFER TO

JT311	PT311	REFER TO
7	7PT311-44PI304	22-10-46
25	25PT311-7PI303	22-10-46
27	27PT311-26PI304	22-10-46

REFER TO

JT312	PT312	REFER TO
17	17PT312-24PI303	22-10-46
18	18PT312-25PI303	22-10-46
19	19PT312-22PI303	22-10-46
20	20PT312-23PI303	22-10-46
23	23PT312-9PI304	22-10-46
24	24PT312-10PI304	22-10-46
25	25PT312-31PI304	22-10-46
26	26PT312-12PI304	22-10-46
64	64PT312-40PI304	22-10-46
68	68PT312-11PI303	22-10-46

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REFER TO

JT313	PT313	REFER TO
34	34PT313-41PI304	22-10-46
36	36PT313-42PI304	22-10-46
46	46PT313-2PI303	22-10-46
47	47PT313-49PT313	22-10-46
	└ 47PT313-27PI303	22-10-46
48	48PT313-17PI304	22-10-46
49	49PT313-47PT313	22-10-46
	└ 49PT313-27PI303	22-10-46
67	67PT313-11PI304	22-10-46
68	68PT313-13PI304	22-10-46
69	69PT313-14PI304	22-10-46
70	70PT313-33PI304	22-10-46
71	71PT313-34PI304	22-10-46
72	72PT313-20PI304	22-10-46
73	73PT313-21PI304	22-10-46
74	74PT313-3PI304	22-10-46
75	75PT313-5PI304	22-10-46
77	77PT313-29PI304	22-10-46

REFER TO

JT317	PT317	REFER TO
4	4PT317-27PI531	23-50-24
7	7PT317-26PI531	23-50-24
8	8PT317-10PT317	23-50-24
	└ 8PT317-8PI531	23-50-24
9	9PT317-7PI531	23-50-24
10	10PT317-8PI531	23-50-24
13	13PT317-9PI532	23-50-24
14	14PT317-8PI532	23-50-24

REFER TO

JZ905	PZ905	REFER TO
1SI900-1JZ905	1— 1PZ905-4PC007	25-60-01
5SI900-2JZ905	2— 2PZ905-APT900	25-60-01
2SI900-3JZ905	3— 3PZ905-EPT900	25-60-01
6SI900-4JZ905	4— 4PZ905-BPT900	25-60-01
6JZ905-5JZ905	5— 5PZ905-SHLDPPZ905	25-60-01
L2SI900-5JZ905		
5JZ905-6JZ905	6— 6PZ905-RPF902	25-60-01
L2SI900-6JZ905		

REFER TO

JZ906	PZ906	REFER TO
1SI900-1JZ906	1— 1PZ906-22JC023	25-60-01
5SI900-2JZ906	2— 2PZ906-APT900	25-60-01
2SI900-3JZ906	3— 3PZ906-EPT900	25-60-01
6SI900-4JZ906	4— 4PZ906-BPT900	25-60-01
L2SI900-5JZ906	5— 5PZ906-5BPF902	25-60-01
5JZ906	└ 5PZ906-SHLDPPZ906	25-60-01

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GROUND - LOCATION AND WIRING - DESCRIPTION AND OPERATION

1. Ground Locations and Connecting Wiring

GROUND NUMBER: GF011

Wire GF011-1JI032 Refer to GLARESHIELD LIGHTING, 33-10-06.

Wire GF011-BJF005 Refer to FUEL PUMP, 73-10-01.

LOCATION:

ZONE: 120(FS. 9.145, WL. 4.19)

GROUND NUMBER: GI002

Wire GI002- Refer to ELECTRICAL SAFETY PRECAUTIONS, 20-10-00.

LOCATION:

ZONE: 211(FS. 7.75, WL. 4.19)

GROUND NUMBER: GL001

Wire GL001-2FL003 Refer to NAVIGATION LIGHTS, 33-40-01.

Wire GL001-FL005 Refer to STROBE LIGHTS, 33-40-02.

Wire GL001-NEGUL001 Refer to STROBE LIGHTS, 33-40-02.

LOCATION:

ZONE: 520(FS. 44.00, LWS. 208.00)

GROUND NUMBER: GL010

Wire GL010-1JL007 Refer to PITOT HEATER, 30-30-01.

Wire GL010-1PL020 Refer to UNDER WING COURTESY LIGHTS, 33-40-04.

Wire GL010-AL001 Refer to STROBE LIGHTS, 33-40-02.

LOCATION:

ZONE: 210(WL. 30.43, LWS. 12.07)

GROUND NUMBER: GN002

Wire GN002- Refer to ELECTRICAL SAFETY PRECAUTIONS, 20-10-00.

LOCATION:

ZONE: 120(BL. -18.06, WL. 5.00)

GROUND NUMBER: GN004

Wire GN004-SHLDRN001 Refer to MAGNETO SYSTEM, 74-10-01.

LOCATION:

ZONE:

GROUND NUMBER: GN005

Wire GN005-SHLDRN002 Refer to MAGNETO SYSTEM, 74-10-01.

LOCATION:

ZONE:

GROUND NUMBER: GN008

Wire GN008-GMN001 Refer to ALTERNATOR SYSTEM, 24-20-01.

LOCATION:

ZONE: 120(BL. -18.06, WL. 5.00)

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GROUND NUMBER: GR002

Wire GR002-2FR001	Refer to NAVIGATION LIGHTS, 33-40-01.
Wire GR002-BLKUR003	Refer to STROBE LIGHTS, 33-40-02.
Wire GR002-FR003	Refer to STROBE LIGHTS, 33-40-02.
Wire GR002-NEGUR001	Refer to STROBE LIGHTS, 33-40-02.
Wire GR002-UR001	Refer to STROBE LIGHTS, 33-40-02.

LOCATION:

ZONE: 620(FS. 44.00, RWS. 208.00.)

GROUND NUMBER: GR010

Wire GR010-1PR020	Refer to UNDER WING COURTESY LIGHTS, 33-40-04.
Wire GR010-1PR022	Refer to FLAP CONTROL, 27-50-01.
Wire GR010-2PR022	Refer to FLAP CONTROL, 27-50-01.

LOCATION:

ZONE: 210(WL. 30.43, RWS. 12.07)

GROUND NUMBER: GS300

Wire GS300-CPR301	Refer to CLOCK, OAT AND HOURMETER, 31-20-01.
Wire GS300-CPR301	Refer to CLOCK, OAT AND HOURMETER, 31-20-01.
Wire GS300-CPR301	Refer to ROLL SERVO ACTUATOR, 22-10-01.
Wire GS300-NPR301	Refer to ROLL SERVO ACTUATOR, 22-10-01.
Wire GS300-NPR301	Refer to CLOCK, OAT AND HOURMETER, 31-20-01.
Wire GS300-NPR301	Refer to ROLL SERVO ACTUATOR, 22-10-01.
Wire GS300-SHLDPR301	Refer to ROLL SERVO ACTUATOR, 22-10-01.
Wire GS300-SHLDPR301	Refer to ROLL SERVO ACTUATOR, 22-10-01.
Wire GS300-SHLDPR301	Refer to ROLL SERVO ACTUATOR, 22-10-01.

LOCATION:

ZONE: 620(FS. 80.00, RWS. 103.00)

GROUND NUMBER: GS301

Wire GS301-11PI303	Refer to SINGLE AXIS AUTOPILOT, 22-10-32.
Wire GS301-15PI303	Refer to WING LEVELER, 22-10-02.
Wire GS301-15PI304	Refer to DUAL AXIS AUTOPILOT, 22-10-42.
Wire GS301-1PI302	Refer to SINGLE AXIS AUTOPILOT, 22-10-30.
Wire GS301-27PI303	Refer to SINGLE AXIS AUTOPILOT, 22-10-30.
Wire GS301-2PI305	Refer to DUAL AXIS AUTOPILOT, 22-10-43.
Wire GS301-31PI303	Refer to SINGLE AXIS AUTOPILOT, 22-10-33.
Wire GS301-34PI303	Refer to CLOCK, OAT AND HOURMETER, 31-20-01.
Wire GS301-35PI303	Refer to SINGLE AXIS AUTOPILOT, 22-10-33.
Wire GS301-4PI306	Refer to DUAL AXIS AUTOPILOT, 22-10-41.
Wire GS301-5PI308	Refer to DUAL AXIS AUTOPILOT, 22-10-40.
Wire GS301-SHLDPI302	Refer to SINGLE AXIS AUTOPILOT, 22-10-30.
Wire GS301-SHLDPI303	Refer to DUAL AXIS AUTOPILOT, 22-10-46.

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GROUND NUMBER: GS301

Wire GS301-SHLDPI304 Refer to DUAL AXIS AUTOPILOT, 22-10-46.

Wire GS308-SHLDPT300 Refer to DUAL AXIS AUTOPILOT, 22-10-46.

LOCATION:

ZONE: 225(FS. 16.65, WL. 4.19)

GROUND NUMBER: GS308

Wire GS308-CPT300 Refer to DUAL AXIS AUTOPILOT, 22-10-40.

Wire GS308-CPT301 Refer to DUAL AXIS AUTOPILOT, 22-10-40.

Wire GS308-NPT300 Refer to DUAL AXIS AUTOPILOT, 22-10-40.

Wire GS308-NPT301 Refer to DUAL AXIS AUTOPILOT, 22-10-40.

Wire GS308-SHLDPT301 Refer to DUAL AXIS AUTOPILOT, 22-10-40.

LOCATION:

ZONE: 310(FS. 177.85, WL. 14.00)

GROUND NUMBER: GS901

Wire GS901-BPT302 Refer to KCS-55A HORIZONTAL SITUATION INDICATOR, 34-20-02.

Wire GS901-APT303 Refer to KX-155A NAV/COMM #1, 34-50-13.

Wire GS901-DPT900 Refer to EMERGENCY LOCATOR TRANSMITTER, 25-60-01.

Wire GS901-SHLDPT302 Refer to KCS-55A HORIZONTAL SITUATION INDICATOR, 34-20-02.

Wire GS901-SHLDPT303 Refer to KX-155A NAV/COMM #1, 34-50-12.

Wire GS901-SHLDPT900 Refer to EMERGENCY LOCATOR TRANSMITTER, 25-60-01.

LOCATION:

ZONE: 310(FS. 108.00, WL. 0.00)

GROUND NUMBER: GS906

Wire GS906-DPT900 Refer to EMERGENCY LOCATOR TRANSMITTER, 25-60-01.

Wire GS906-SHLDPT900 Refer to EMERGENCY LOCATOR TRANSMITTER, 25-60-01.

LOCATION:

ZONE:

GROUND NUMBER: GV001

Wire GV001-2FV001 Refer to NAVIGATION LIGHTS, 33-40-01.

LOCATION:

ZONE: 340(FS. 252.18, WL. 72.00)

GROUND NUMBER: GV004

Wire GV004-2PV004 Refer to FLASHING BEACON, 33-40-03.

LOCATION:

ZONE: 340(FS. 238.25, WL. 72.00)

GROUND CONNECTOR: GI001

Wire AAGI001-20JI006 Refer to ANNUNCIATOR PANEL, 31-50-01.

Wire AGI001-7JC005 Refer to ANNUNCIATOR PANEL, 31-50-01.

Wire BBGI001-3JC014 Refer to ANNUNCIATOR PANEL, 31-50-01.

Wire BBGI001-3JC015 Refer to ANNUNCIATOR PANEL, 31-50-01.

Wire BBGI001-3JC015 Refer to ANNUNCIATOR PANEL, 31-50-01.

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GROUND CONNECTOR: GI001

Wire BGI001-3JC005	Refer to INSTRUMENT DIMMING, 33-10-01.
Wire CCGI001-AJN001	Refer to EGT/FUEL FLOW, 77-20-01.
Wire CGI001-4JI012	Refer to CLOCK, OAT AND HOURMETER, 31-20-01.
Wire DDGI001-AJN004	Refer to OIL TEMPERATURE/OIL PRESSURE, 79-30-01.
Wire DGI001-2JC004	Refer to CLOCK, OAT AND HOURMETER, 31-20-01.
Wire EEGI001-2JC011	Refer to INTERIOR LIGHTING, 33-10-05.
Wire FFGI001-2PT001	Refer to CABIN EQUIPMENT POWER INTERFACE, 24-50-01.
Wire FFGI001-SHLDPC022	Refer to CABIN EQUIPMENT POWER INTERFACE, 24-50-01.
Wire FGI001-7JL002	Refer to CLOCK, OAT AND HOURMETER, 31-20-01.
Wire HGI001-2JI001	Refer to CLOCK, OAT AND HOURMETER, 31-20-01.
Wire HHGI001-9JI019	Refer to BATTERY SYSTEM, 24-30-01.
Wire JGI001-BJN005	Refer to CLOCK, OAT AND HOURMETER, 31-20-01.
Wire JJGI001-2PI027	Refer to GLARESHIELD LIGHTING, 33-10-06.
Wire KGI001-1JI021	Refer to CLOCK, OAT AND HOURMETER, 31-20-01.
Wire KGI001-2JI004	Refer to CLOCK, OAT AND HOURMETER, 31-20-01.
Wire KGI001-SHLDJI021	Refer to CLOCK, OAT AND HOURMETER, 31-20-01.
Wire LGI001-GRDSI002	Refer to MAGNETO SYSTEM, 74-10-01.
Wire LGI001-SHLDRN001	Refer to MAGNETO SYSTEM, 74-10-01.
Wire LGI001-SHLDRN002	Refer to MAGNETO SYSTEM, 74-10-01.
Wire LLGI001-NCSN012	Refer to VACUUM OUT WARNING, 37-20-01.
Wire MGI001-20PC001	Refer to BATTERY SYSTEM, 24-30-01.
Wire MMGI001-NCSN011	Refer to VACUUM OUT WARNING, 37-20-01.
Wire NGI001-2JC003	Refer to INSTRUMENT DIMMING, 33-10-01.
Wire NNGI001-7JI003	Refer to INSTRUMENT DIMMING, 33-10-01.
Wire PGI001-9JI015	Refer to OIL TEMPERATURE/OIL PRESSURE, 79-30-01.
Wire RGI001-9JI013	Refer to FUEL QUANTITY, 28-40-01.
Wire WGI001-9JI017	Refer to EGT/FUEL FLOW, 77-20-01.
Wire WGI001-SHLDJI017	Refer to EGT/FUEL FLOW, 77-20-01.
Wire YGI001-9JL002	Refer to FUEL QUANTITY, 28-40-01.
Wire ZGI001-7JR001	Refer to FUEL QUANTITY, 28-40-01.

LOCATION:

ZONE: 221(FS. 7.745, WL. 4.19)

GROUND CONNECTOR: GS309

Wire GS309-1PI516	Refer to AUDIO SYSTEM, 23-50-21.
Wire GS309-HP1602	Refer to KR-87 AUTOMATIC DIRECTION FINDER, 34-51-01.
Wire GS309-KPI512	Refer to KX-155A NAV/COMM #2, 34-50-20.
Wire GS309-LPI512	Refer to KX-155A NAV/COMM #2, 34-50-20.
Wire GS309-SHLDPI516	Refer to KX-155A NAV/COMM #2, 34-50-20.
Wire GS309-SHLDPI516	Refer to KX-155A NAV/COMM #1, 34-50-11.

LOCATION:

ZONE:

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GROUND CONNECTOR: PF902

Wire APF902-1PI601	Refer to KX-155A NAV/COMM #1, 34-50-10.
Wire APF902-34PI604	Refer to KX-155A NAV/COMM #1, 34-50-11.
Wire APF902-49PI604	Refer to KX-155A NAV/COMM #1, 34-50-11.
Wire APF902-SHLDP1510	Refer to KX-155A NAV/COMM #1, 34-50-11.
Wire BPF902-15PI511	Refer to KX-155A NAV/COMM #1, 34-50-10.
Wire BPF902-1PI601	Refer to KX-155A NAV/COMM #1, 34-50-10.
Wire BPF902-1PI605	Refer to KX-155A NAV/COMM #1, 34-50-11.
Wire BPF902-34PI604	Refer to KX-155A NAV/COMM #1, 34-50-12.
Wire BPF902-49PI604	Refer to KX-155A NAV/COMM #1, 34-50-12.
Wire BPF902-5PZ906	Refer to EMERGENCY LOCATOR TRANSMITTER, 25-60-01.
Wire BPF902-SHLDPZ906	Refer to EMERGENCY LOCATOR TRANSMITTER, 25-60-01.
Wire BPF902-SPI511	Refer to KX-155A NAV/COMM #1, 34-50-10.
Wire CPF902-1PI601	Refer to KX-155A NAV/COMM #2, 34-50-20.
Wire CPF902-35PI303	Refer to DUAL AXIS AUTOPILOT, 22-10-46.
Wire CPF902-35PI511	Refer to DUAL AXIS AUTOPILOT, 22-10-46.
Wire CPF902-SHLDP1511	Refer to KX-155A NAV/COMM #1, 34-50-13.
Wire CPF902-SPI511	Refer to KX-155A NAV/COMM #1, 34-50-13.
Wire DPF902-15PI512	Refer to KX-155A NAV/COMM #2, 34-50-20.
Wire DPF902-SHLDP1512	Refer to KX-155A NAV/COMM #2, 34-50-20.
Wire DPF902-SPI511	Refer to KX-155A NAV/COMM #1, 34-50-10.
Wire EPF902-1PI601	Refer to KX-155A NAV/COMM #2, 34-50-20.
Wire EPF902-SHLDP1510	Refer to KX-155A NAV/COMM #1, 34-50-11.
Wire FPF902-15PI512	Refer to KX-155A NAV/COMM #2, 34-50-20.
Wire FPF902-EPI602	Refer to KR-87 AUTOMATIC DIRECTION FINDER, 34-51-01.
Wire FPF902-MPI602	Refer to KR-87 AUTOMATIC DIRECTION FINDER, 34-51-01.
Wire FPF902-PPI602	Refer to KR-87 AUTOMATIC DIRECTION FINDER, 34-51-01.
Wire FPF902-RPI602	Refer to KR-87 AUTOMATIC DIRECTION FINDER, 34-51-01.
Wire FPF902-SHLDP1512	Refer to KX-155A NAV/COMM #2, 34-50-20.
Wire FPF902-SHLDP1602	Refer to KR-87 AUTOMATIC DIRECTION FINDER, 34-51-01.
Wire FPF902-SPI602	Refer to KR-87 AUTOMATIC DIRECTION FINDER, 34-51-01.
Wire HPF902-HPI603	Refer to KR-87 AUTOMATIC DIRECTION FINDER, 34-51-01.
Wire HPF902-SHLDP1512	Refer to KX-155A NAV/COMM #2, 34-50-20.
Wire HPF902-SPI512	Refer to KX-155A NAV/COMM #2, 34-50-20.
Wire JPF902-34PI507	Refer to AUDIO SYSTEM, 23-50-10.
Wire KPF902-2PI507	Refer to AUDIO SYSTEM, 23-50-10.
Wire KPF902-SHLDP1532	Refer to AUDIO SYSTEM, 23-50-24.
Wire LPF902-1JI506	Refer to AUDIO SYSTEM, 23-50-10.
Wire LPF902-HPI310	Refer to KCS-55A HORIZONTAL SITUATION INDICATOR, 34-20-02.
Wire MPF902-EPI516	Refer to AUDIO SYSTEM, 23-50-21.
Wire MPF902-EPI602	Refer to KR-87 AUTOMATIC DIRECTION FINDER, 34-51-01.
Wire MPF902-MPI602	Refer to KR-87 AUTOMATIC DIRECTION FINDER, 34-51-01.

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GROUND CONNECTOR: PF902

Wire MPF902-PPI602	Refer to KR-87 AUTOMATIC DIRECTION FINDER, 34-51-01.
Wire MPF902-RPI602	Refer to KR-87 AUTOMATIC DIRECTION FINDER, 34-51-01.
Wire MPF902-SHLDPI602	Refer to KR-87 AUTOMATIC DIRECTION FINDER, 34-51-01.
Wire MPF902-SPI602	Refer to KR-87 AUTOMATIC DIRECTION FINDER, 34-51-01.
Wire NPF902-BPI307	Refer to WING LEVELER, 22-10-02.
Wire NPF902-BPI307	Refer to SINGLE AXIS AUTOPILOT, 22-10-33.
Wire NPF902-BPI307	Refer to CLOCK, OAT AND HOURMETER, 31-20-01.
Wire PPF902-HPI603	Refer to KR-87 AUTOMATIC DIRECTION FINDER, 34-51-01.
Wire RPF902-6PZ905	Refer to EMERGENCY LOCATOR TRANSMITTER, 25-60-01.

LOCATION:

ZONE:

GROUND CONNECTOR: PF903

Wire APF903-1JI514	Refer to AUDIO SYSTEM, 23-50-24.
Wire APF903-1PI800	Refer to KT-76C TRANSPONDER, 34-53-01.
Wire APF903-API800	Refer to KT-76C TRANSPONDER, 34-53-01.
Wire BPF903-15PC800	Refer to KT-76C TRANSPONDER, 34-53-01.
Wire BPF903-6PC800	Refer to KT-76C TRANSPONDER, 34-53-01.
Wire CPF903-15PC800	Refer to KT-76C TRANSPONDER, 34-53-01.
Wire CPF903-15PI303	Refer to DUAL AXIS AUTOPILOT, 22-10-42.
Wire CPF903-1PC800	Refer to KT-76C TRANSPONDER, 34-53-01.
Wire CPF903-35PI303	Refer to DUAL AXIS AUTOPILOT, 22-10-42.
Wire CPF903-6PC800	Refer to KT-76C TRANSPONDER, 34-53-01.
Wire DPF903-17PI705	Refer to KLN-89B GLOBAL POSITIONING SYSTEM, 34-52-22.
Wire DPF903-20PI705	Refer to KLN-89B GLOBAL POSITIONING SYSTEM, 34-52-22.
Wire DPF903-25PI702	Refer to KLN-89B GLOBAL POSITIONING SYSTEM, 34-52-21.
Wire DPF903-29PI705	Refer to KLN-89B GLOBAL POSITIONING SYSTEM, 34-52-22.
Wire DPF903-BPI307	Refer to DUAL AXIS AUTOPILOT, 22-10-42.
Wire DPF903-SHLDPI307	Refer to DUAL AXIS AUTOPILOT, 22-10-42.
Wire EPF903-14PI701	Refer to KLN-89 GLOBAL POSITIONING SYSTEM, 34-52-20.
Wire EPF903-20PI700	Refer to KLN-89 GLOBAL POSITIONING SYSTEM, 34-52-20.
Wire EPF903-31PI700	Refer to KLN-89 GLOBAL POSITIONING SYSTEM, 34-52-20.
Wire EPF903-9JI514	Refer to DUAL AXIS AUTOPILOT, 22-10-42.
Wire EPF903-SHLDPI700	Refer to KLN-89B GLOBAL POSITIONING SYSTEM, 34-52-22.
Wire FPF903-*CPI308	Refer to KCS-55A HORIZONTAL SITUATION INDICATOR, 34-20-02.
Wire FPF903-*TPI308	Refer to KCS-55A HORIZONTAL SITUATION INDICATOR, 34-20-02.
Wire FPF903-SHLDPI308	Refer to KCS-55A HORIZONTAL SITUATION INDICATOR, 34-20-02.
Wire FPF903-SHLDPI700	Refer to KLN-89B GLOBAL POSITIONING SYSTEM, 34-52-21.
Wire HPF903-2PC901	Refer to KT-76C TRANSPONDER, 34-53-01.
Wire HPF903-50PI508	Refer to AUDIO SYSTEM, 23-50-10.
Wire JPF903-HPI310	Refer to KCS-55A HORIZONTAL SITUATION INDICATOR, 34-20-02.
Wire JPF903-SHLDPI311	Refer to KCS-55A HORIZONTAL SITUATION INDICATOR, 34-20-02.

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GROUND CONNECTOR: PF903

Wire JPF903-SHLDP1700	Refer to KLN-89B GLOBAL POSITIONING SYSTEM, 34-52-21.
Wire KPF903-TPI309	Refer to KCS-55A HORIZONTAL SITUATION INDICATOR, 34-20-02.
Wire KPF903-2JI513	Refer to AUDIO SYSTEM, 23-50-10.
Wire KPF903-SHLDP1531	Refer to AUDIO SYSTEM, 23-50-24.
Wire LPF903-24PI406	Refer to KMD-540 MULTIFUNCTION DISPLAY, 34-20-01.
Wire LPF903-2PC901	Refer to CLOCK, OAT AND HOURMETER, 31-20-01.
Wire MPF903-ZPI516	Refer to AUDIO SYSTEM, 23-50-21.
Wire PF902-	Refer to AUDIO SYSTEM, 23-50-24.
Wire RPF903-15PI303	Refer to SINGLE AXIS AUTOPILOT, 22-10-31.
Wire RPF903-15PI303	Refer to DUAL AXIS AUTOPILOT, 22-10-40.
Wire RPF903-35PI303	Refer to SINGLE AXIS AUTOPILOT, 22-10-31.

LOCATION: AVIONICS
ZONE:

GROUND CONNECTOR: PI509

Wire 10PI509-SHLDP1507	Refer to KX-155A NAV/COMM #2, 34-50-20.
Wire 11PI509-SHLDP1507	Refer to KX-155A NAV/COMM #1, 34-50-13.
Wire 12PI509-SHLDP1507	Refer to KR-87 AUTOMATIC DIRECTION FINDER, 34-51-01.
Wire 14PI509-SHLDP1507	Refer to KLN-89B GLOBAL POSITIONING SYSTEM, 34-52-21.
Wire 1PI509-AF300	Refer to AUDIO SYSTEM, 23-50-10.
Wire 2PI509-AF301	Refer to AUDIO SYSTEM, 23-50-10.
Wire 3PI509-SHLDP1508	Refer to AUDIO SYSTEM, 23-50-10.
Wire 4PI509-AF302	Refer to AUDIO SYSTEM, 23-50-10.
Wire 5PI509-AF303	Refer to AUDIO SYSTEM, 23-50-10.
Wire 6PI509-AF304	Refer to AUDIO SYSTEM, 23-50-10.
Wire 7PI509-AF305	Refer to AUDIO SYSTEM, 23-50-10.
Wire 8PI509-AF306	Refer to AUDIO SYSTEM, 23-50-10.
Wire 9PI509-SHLDP1508	Refer to AUDIO SYSTEM, 23-50-10.

LOCATION: AVIONICS
ZONE:

GROUND CONNECTOR: PT903

Wire SHLDPT317	CPT903- Refer to AUDIO SYSTEM, 23-50-24.
Wire SHLDPT305	DPT903- Refer to AUDIO SYSTEM, 23-50-24.
Wire SHLDPT306	DPT903- Refer to AUDIO SYSTEM, 23-50-24.
Wire SHLDPT312	PPT903- Refer to DUAL AXIS AUTOPILOT, 22-10-46.
Wire SHLDPT313	RPT903- Refer to DUAL AXIS AUTOPILOT, 22-10-46.

LOCATION: AVIONICS
ZONE: