



PA-44

SEMINOLE

PARTS CATALOG

CARD 1 OF 2

PA-44-180

PA-44-180T

PIPER AIRCRAFT CORPORATION

PIPER PARTS CATALOG

AEROFICHE EXPLANATION

The Parts Catalog information incorporated in this set of Aerofiche cards has been arranged in accordance with the general specifications of Aerofiche adopted by the General Aircraft Manufacturer's Association.

Conversion of Aerofiche alpha/numeric code numbers:

First number is the Aerofiche card identifier.

Letter is the horizontal line reference per card.

Second number is the vertical line reference per card.

Example: 2J16 = Aerofiche card number two of given set. Grid location J16.

To aid in locating the various sections and related information desired, the following is provided:

A complete Catalog Table of Contents is given at Grid 1A8 of Aerofiche card number 1 of this set. Each additional card in this set will have a Table of Contents for all sections on that particular card. This table will start at Grid A3.

REVISIONS

The information compiled in this Aerofiche Parts Catalog will be kept current by revisions distributed periodically. These revisions will supersede all previous revisions and will be complete Aerofiche card replacements and shall supersede Aerofiche cards of the same number in the set.

Current Revisions to this PA-44-180 and PA-44-180T Parts Catalog issued April 28, 1978 are as follows:

761 663 (PR790206).....	Dated February 1979
761 663 (PR790815).....	Dated August 1979
761 663 (PR800310).....	Dated March 1980
761 663 (PR800815).....	Dated August 1980
761 663 (PR810420).....	Dated April 1981
761 663 (PR810812).....	Dated August 1981
761 663 (PR820110).....	Dated January 1982

NOTE: Refer to the last card of the Piper-Parts Price List-Aerofiche for a check list of current revision dates and card effectivities for this parts catalog.

PIPER PARTS CATALOG

INTRODUCTION

This illustrated Parts Catalog is designed to provide simple but positive identification of replacement parts for the Piper Model PA-44-180 and PA-44-180T Seminole, manufactured by the Piper Aircraft Corporation of Vero Beach, Florida.

NOTE: UNDER NO CIRCUMSTANCES SHALL THIS CATALOG BE USED FOR RIGGING AND INSTALLATION PURPOSES.

It is suggested that this catalog be thoroughly studied to determine its arrangement prior to its utilization.

1. The catalog is divided into fourteen (14) major sections described as follows:
 - a. Section I to XIII inclusive contains all replacement parts for the complete airplane. Each section is subdivided and each division includes an illustration and a parts listing.
 - b. Section XIV is the Miscellaneous Group. This group includes an illustration and parts list for the Placards and Exterior Stencils and a listing of the Optional Equipment Kits, Repair Kits and Special Tools.
2. The following is a brief explanation of the columns in the parts listing:
 - a. The "FIGURE AND INDEX" column indicates the illustration figure number and its part index number. EXAMPLE: (2-1), the 2 is the figure number and the 1 is the index number. The figure number appears only at the top of each parts listing page or at the beginning of each new parts listing.
 - b. The "PART NUMBER" column contains the identifying number of the replacement part and this number must be shown on all Parts Orders.
 - c. The "CODE" column is for the purpose of indicating special uses of the part. An explanation of the letter code used is shown on the grid (page) preceding parts listing and pertains to that listing only.

ALL PARTS CODED WITH A "W" MUST BE PURCHASED FROM
PIPER AIRCRAFT CORPORATION, LOCK HAVEN, PENNA.

ALL PARTS NOT CODED WITH A "W" MUST BE PURCHASED FROM
PIPER AIRCRAFT CORPORATION, VERO BEACH, FLORIDA.

- d. The "NOMENCLATURE" column indicates the part name. This name must be shown on all Parts Orders.
- e. The "NO REQ." (Number Required) column represents the total quantity of parts used per aircraft per figure when the part is not indented and the quantity of parts used per assembly when the part is indented. The symbol "AR" listed in the column means "As Required".
- f. The "SERIAL NUMBERS AFFECTED" column indicates the part application by airplane and number.

Indentation Example: Indentations of listings in the "Nomenclature column" indicate "assemblies" and "components" or "parts", in order of their indentations.

EXAMPLE					
Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
			DOOR ASSEMBLY - Baggage compartment	1	
			• FRAME ASSEMBLY - Baggage compartment door	1	
			• • HINGE ASSEMBLY - Baggage door	1	
			• • CLIP - Baggage door spring	1	

This listing is interpreted as follows:

If the DOOR ASSEMBLY (not indented) is ordered, it will include three items listed under that item.

If the FRAME ASSEMBLY (indented one space) is ordered, it will include the two items listed under the sub-assembly.

If you want only a HINGE ASSEMBLY or CLIP, you order only that item.

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3. The "ATTACHING PARTS" such as nuts, bolts, screws, etc., that are available as commercial hardware items, are not generally supplied by the Piper Aircraft Corporation. The catalog lists, for your convenience, those attaching parts required for main assemblies and installations. The identifying number for these parts appears after the part name.

4. All items of Optional Equipment are contained in the parts list in their proper sequence and sections. These items were not marked optional, since they are fully identified by their descriptions.

HOW TO IDENTIFY A PART IF YOU KNOW WHAT IT LOOKS LIKE AND KNOW WHERE IT IS LOCATED

1. Refer to Figure 1 to determine the section number in which the part is used.
2. Refer to the Table of Contents and locate the section. Note the figure numbers that illustrate the various subgroups of this main section.
 - a. Select the Figure title you think might contain the part you wish to identify and turn to the page specified.
3. NOTE: If you don't find the part on this illustration, try another figure in this group.
4. Refer to the "Figure and Index Number" in the Parts Listing for complete description of the part.

HOW TO ORDER PARTS

In ordering parts for your Piper Airplanes, observe the following instructions which will aid in your getting the right parts required without delay.

- a. Place your order with the distributor or dealer for your territory, since parts are available only through our distributor organization.
- b. Always specify the model and serial number of your airplane.
- c. Always specify Part Number, Type and Quantity Required.
- d. Specify the method of shipment - Freight, express, parcel post, air express, air freight or air parcel post. Where the nature of the shipment requires it or when no instructions are given, we reserve the right to ship the most suitable way.

GENERAL INFORMATION

a. Shortages

All orders are checked and rechecked before leaving our shipping Department. A packing slip is enclosed with the shipment and claims for errors or shortages must be made within three (3) days after receipt of orders.

b. Returned Goods

No material should be returned to us without first securing our written permission. Material sent in without notice will be held at the owner's risk for thirty (30) days and will then be disposed of as we see fit.

Transportation charges must be PREPAID on returned goods or the shipment will be refused.

c. Transportation Liabilities

The Piper Aircraft Corporation cannot be held liable for damages to parts in transit from the factory. If a shipment is received in a damaged condition, have the delivery man or Transportation Company make a notation of the damage and file your claim with the Carrier. In case of concealed damage, do not attempt to remove the part from the shipping container, or endeavor to repair the damage, but call the Carrier and have his Claim Agent inspect the damage before filing your claim with the Carrier.

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PA-44-180 AND PA-44-180T SERIAL NUMBER INFORMATION

The following information should be kept in mind when ordering from this Catalog:

a. The serial numbers of the aircraft covered by this Parts Catalog are as follows:

- (1) Serial numbers of the 1979 PA-44-180 Models are 44-7995001 to 44-7995353 inclusive.
- (2) Serial numbers of the 1980 PA-44-180 Models are 44-8095001 to 44-8095037 inclusive.
- (3) Serial numbers of the 1981 PA-44-180 Models are 44-8195001 to 44-8195040 inclusive.
- (4) Serial numbers of the 1982 PA-44-180 Models are 44-8295001 and up.
- (5) Serial numbers of the 1981 PA-44-180T Models are 44-8107001 to 44-8107076 inclusive.
- (6) Serial numbers of the 1982 PA-44-180T Models are 44-8207001 and up.

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STANDARD PAINT CHART

	MFG. NO.	PIPER PART NUMBER QUART	GALLON
EXTERIOR			
ACRYLIC LACQUER			
Madrid Red	B-5511	4175 593	1175 593
Bahama Blue	B-9170	4175 436	1175 436
Avocado	G2352	4175 331	1175 331
Las Vegas Gold	G-2124-A	4175 332	1175 332
Dakota Black	H-6117-R	4175 373	1175 373
Ocala Orange (base coat)	P7946	4175 499	1175 499
Ocala Orange (top coat)	C-2065-A	4175 500	1175 500
Juneau White	B-7784-B	4175 657	1175 657
Lime Green	D-6449	4175 380	1175 380
Baja Yellow	D-6448	4175 379	1175 379
Denver Brown (base coat)	K-2790	4175 299	1175 299
Denver Brown (top coat)	B-5460	4175 409	1175 409
Matador Red	R4418	4175 389	1175 389
Royal Blue	X5700	4175 390	1175 390
Hickory Brown	Y9775	4175 392	1175 392
Indian Silver	M9514	4175 391	1175 391
Sage Green	R3796R	4175 304	1175 304
Firethorn Red	R3956R	4175 305	1175 305
Dark Blue	R3957R	4175 306	1175 306
Silver	M9514R	4175 307	1175 307
Buckskin	R3959R	4175 303	1175 303
Sandalwood Tan	R8175R	4175 309	1175 309
Platinum Gray	R8174R	4175 308	1175 308
Dark Claret	R3955	4175 311	1175 311
Thinner	85408-B	4179 402	1179 402

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STANDARD PAINT CHART

EXTERIOR	MFG.	PIPER PART NUMBER	
	NO.	QUART	GALLON
POLYURETHANE ENAMEL (Dupont Imron)			
Baja Yellow	H7850U	4175 461	1175 461
Juneau White	H7848U	4175 462	1175 462
Ocala Orange	H7857UM	4175 463	1175 463
Madrid Red	H7851UM	4175 464	1175 464
Bahama Blue	H7853U	4175 465	1175 465
Avocado	H7852U	4175 466	1175 466
Las Vegas Gold	5242U	4176 121	1176 121
Dakota Black	99U	4175 467	1175 467
Denver Brown	H7859U	4176 122	1176 122
Matador Red	H7858U	4175 468	1175 468
Royal Blue	H7856U	4175 469	1175 469
Hickory Brown	H7855U	4175 470	1175 470
Silver	45431U	4176 123	1176 123
Lime Green	H7854U	4175 460	1175 460
Sage Green	K7887U	4176 132	1176 132
Firethorn	K7888UW	4176 133	1176 133
Buckskin	K7890U	4176 135	1176 135
Dark Blue	K7891U	4176 136	1176 136
Platinum Gray	N7819U	4176 126	1176 126
Sandalwood Tan	N7818U	4176 127	1176 127
Dark Claret	K7886U	4176 131	1176 131
Catalyst (Activator)	192S	4179 950	1179 950
Reducer	Y8485S	4179 145	1179 145
Retarder	8100S	4179 559	1179 559
Accelerator	189S	4179 951	
POLYURETHANE PRIMER (Dupont Imron)			
Wash Primer	B9287	4170 766	1170 766
Wash Primer Thinner	K1733	4179 452	1179 452
Acid Thinner	B9289	4179 403	1179 403

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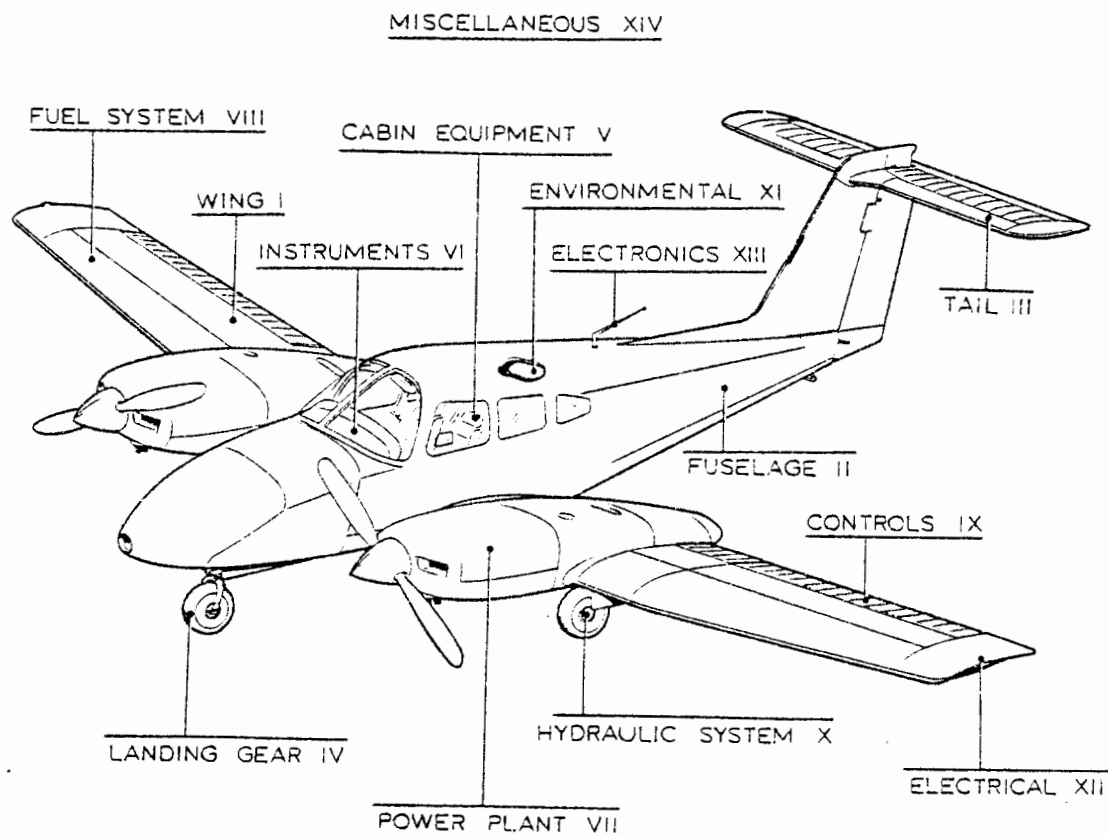


Figure 1. Complete Airplane

REVISED: MARCH 1980

1A12

PA-44-180
PA-44-180T

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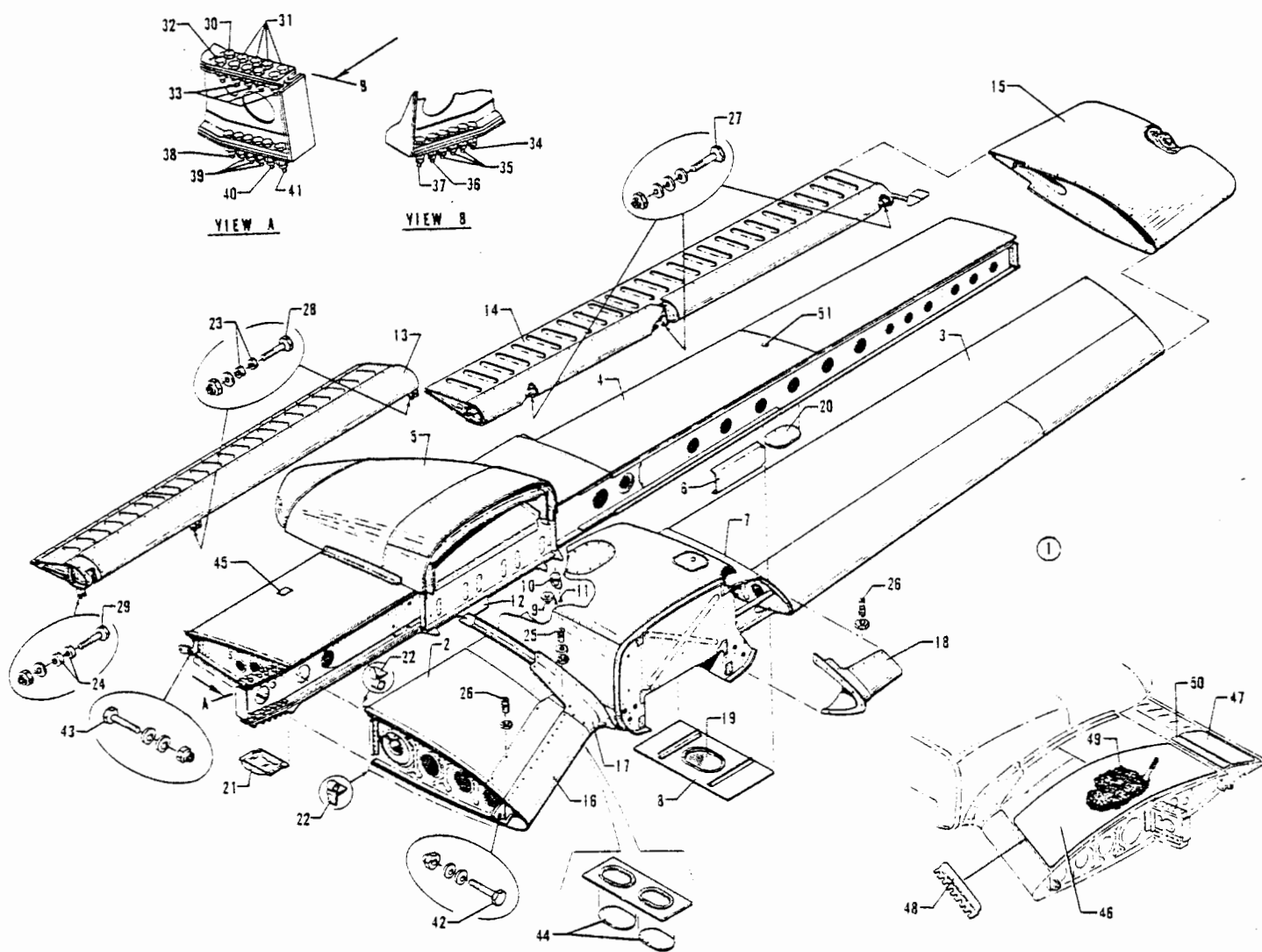


Figure 2. Wing Installation

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1A13

PA-44-180
PA-44-180T

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CODE EXPLANATION FOR FIGURE 2

- A - See Figure 3 for component parts.
- B - See Figure 4 for component parts.
- C - See Figure 50 for component parts.
- D - See Figure 6 for component parts.
- E - See Figure 5 for component parts.
- F - Used on PA-44-180 with serial numbers 44-8095007 and up, and PA-44-180T.
- G - Serial number of aircraft must be supplied when ordering this part.
- H - Used on PA-44-180 only.
- J - Used on PA-44-180T only.
- K - Used on PA-44-180 with serial numbers 44-7995001 to 44-8195022 inclusive, and PA-44-180T with serial numbers 44-8195001 to 44-8107059 inclusive.
- L - Used on PA-44-180 with serial numbers 44-8195023 and up, and PA-44-180T with serial numbers 44-8107060 and up.
- M - Used if optional wing tip lights are installed.
- W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

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Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
2-	86504		DRAWING - Wing Installation		
-1	86380-902	H	WING ASSEMBLY - Left	1	
	86380-906	J	WING ASSEMBLY - Left	1	
	86380-903	H	WING ASSEMBLY - Right	1	
	86380-907	J	WING ASSEMBLY - Right	1	
-2	86500-906	A,H	* LEADING EDGE ASSEMBLY - Wing inboard, left	1	
	86500-916	A,J	* LEADING EDGE ASSEMBLY - Wing inboard, left	1	
	86500-907	A,H	* LEADING EDGE ASSEMBLY - Wing inboard, right	1	
	86500-917	A,J	* LEADING EDGE ASSEMBLY - Wing inboard, right	1	
-3	86500-908	A,H	* LEADING EDGE ASSEMBLY - Wing outboard, left	1	
	86500-918	A,J	* LEADING EDGE ASSEMBLY - Wing outboard, left	1	
	86500-909	A,H	* LEADING EDGE ASSEMBLY - Wing outboard, right	1	
	86500-919	A,J	* LEADING EDGE ASSEMBLY - Wing outboard, right	1	
-4	86500-912	B,G,H	* TRAILING EDGE ASSEMBLY - Wing aft section, left	1	
	86500-920	B,J	* TRAILING EDGE ASSEMBLY - Wing aft section, left	1	
	86500-913	B,G,H	* TRAILING EDGE ASSEMBLY - Wing aft section, right	1	
	86500-921	B,J	* TRAILING EDGE ASSEMBLY - Wing aft section, right	1	
-5	86180-02	C,H	* NACELLE ASSEMBLY - Left	1	
	86180-52	C,J	* NACELLE ASSEMBLY - Left	1	
	86180-03	C,H	* NACELLE ASSEMBLY - Right	1	
	86180-53	C,J	* NACELLE ASSEMBLY - Right	1	
-6	86155-04		* SPAR ASSEMBLY - Wing nacelle, left	1	
	86155-05		* SPAR ASSEMBLY - Wing nacelle, right	1	
-7	86380-14		* SKIN ASSEMBLY - Wing, outboard, top, left	1	
	86380-15		* SKIN ASSEMBLY - Wing, outboard, top, right	1	
-8	86380-04		* SKIN ASSEMBLY - Wing, outboard, bottom, left	1	
	86380-13		* SKIN ASSEMBLY - Wing, outboard, bottom, right	1	
-9	35725-02		* PAD - Jack	1	
-10	18457-00		* RING - Tie down	1	
-11	410 043	W	* SCREW - (MS24694-S56)	2	
-12	86354-02		* GUSSET	1	
-13	65591-00	D	FLAP ASSEMBLY - Left	1	
	65590-01	D	FLAP ASSEMBLY - Right	1	
-14	86562-02	E,H	AILERON ASSEMBLY - Left	1	44-7995001 to 44-8095006 incl.
	86562-22	E,F	AILERON ASSEMBLY - Left	1	
	86562-03	E,H	AILERON ASSEMBLY - Right	1	44-7995001 to 44-8095006 incl.
	86562-23	E,F	AILERON ASSEMBLY - Right	1	
-15	86508-02	K	TIP ASSEMBLY - Wing, left	1	
	36752-04	L	TIP ASSEMBLY - Wing, left	1	
	36752-02	L,M	TIP ASSEMBLY - Wing, left	1	
	86508-03	K	TIP ASSEMBLY - Wing, right	1	
	36752-05	L	TIP ASSEMBLY - Wing, right	1	
	36752-03	L,M	TIP ASSEMBLY - Wing, right	1	
-16	86566-02	H	FAIRING ASSEMBLY - Inboard, left	1	
	86566-12	J	FAIRING ASSEMBLY - Inboard, left	1	
	86566-03	H	FAIRING ASSEMBLY - Inboard, right	1	
	86566-13	J	FAIRING ASSEMBLY - Inboard, right	1	
-17	86566-04		FAIRING ASSEMBLY - Nacelle inboard, left	1	
	86566-05		FAIRING ASSEMBLY - Nacelle inboard, right	1	
-18	86569-06		FAIRING - Nacelle outboard, left	1	
	86569-07		FAIRING - Nacelle outboard, right	1	
-19	38118-05		COVER - Access	2	
-20	62109-00		COVER - Inspection	6	
-21	63942-00		COVER - Wing bolt, left	1	
	63942-01		COVER - Wing bolt, right	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

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Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
2-22	65773-00		MOULDING - Wing root	2	
-23	63900-19		BUSHING - Flap hinge, center and outboard	8	
-24	63900-20		BUSHING - Flap hinge, inboard	4	
-25	414 762	W	SCREW - (MS24693-S51)	6	
	494 101	W	WASHER - (PS10092-1-2C)	6	
	477 886		NUT - (PS10062-5-11)	6	
-26	414 762	W	SCREW - (MS24693-S51)	106	
	494 101	W	NUT - (PS10092-1-2C)	106	
-27	400 441	W	BOLT - (AN3-7A)	6	
	407 564	W	WASHER - (AN960-10)	18	
-28	401 270	W	BOLT - (AN3-11A)	4	
	407 564	W	WASHER - (AN960-10)	4	
	404 887	W	NUT - (MS20365-1032C)	4	
-29	400 444	W	BOLT - (AN3-13A)	2	
	407 564	W	WASHER - (AN960-10)	2	
	404 887	W	NUT - (MS20365-1032C)	2	
-30	402 909		BOLT - (NAS464P6LA17)	2	
	407 567	W	WASHER - (AN960-616)	6	
	404 532		NUT - (MS21042-6)	2	
-31	402 908		BOLT - (NAS464P6LA16)	8	
	407 567	W	WASHER - (AN960-616)	24	
	404 532		NUT - (MS21042-6)	8	
-32	402 907		BOLT - (NAS464P6LA15)	2	
	407 587	W	WASHER - (AN960-616L)	2	
	494 228		WASHER - (K19301-6)	2	
	407 566	W	WASHER - (AN960-516)	2	
	407 567	W	WASHER - (AN960-616)	2	
	406 527		NUT - (H19300-6)	2	
-33	402 906		BOLT - (NAS464P6LA14)	8	
	407 567	W	WASHER - (AN960-616)	8	
	494 228		WASHER - (K19301-6)	8	
	407 566	W	WASHER - (AN960-516)	8	
	406 527		NUT - (H19300-6)	8	
-34	402 903		BOLT - (NAS464P5LA20)	2	
	407 586	W	WASHER - (AN960-516L)	2	
	407 566	W	WASHER - (AN960-516)	4	
	404 531		NUT - (MS21042-5)	2	
-35	402 910		BOLT - (NAS464P6LA20)	6	
	407 587	W	WASHER - (AN960-616L)	6	
	407 567	W	WASHER - (AN960-616)	12	
	404 532		NUT - (MS21042-6)	6	
-36	402 911		BOLT - (NAS464P6LA21)	2	
	407 587	W	WASHER - (AN960-616L)	2	
	96352-03		WASHER	2	
	407 566	W	WASHER - (AN960-516)	2	
	407 567	W	WASHER - (AN960-616)	2	
	404 532		NUT - (MS21042-6)	2	
-37	402 904		BOLT - (NAS464P5LA21)	2	
	407 586	W	WASHER - (AN960-516L)	2	
	96352-02		WASHER	2	
	407 566	W	WASHER - (AN960-516)	2	
	407 567	W	WASHER - (AN960-616)	2	
	404 531		NUT - (MS21042-5)	2	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
2-38	402 903		BOLT - (NAS464P5LA20)	2	
	407 586	W	WASHER - (AN960-516L)	2	
	407 566	W	WASHER - (AN960-516)	4	
	404 531		NUT - (MS21042-5)	2	
-39	402 910		BOLT - (NAS464P6LA20)	6	
	407 587	W	WASHER - (AN960-616L)	6	
	407 567	W	WASHER - (AN960-616)	12	
	404 532		NUT - (MS21042-6)	6	
-40	402 911		BOLT - (NAS464P6LA21)	2	
	407 587	W	WASHER - (AN960-616L)	2	
	96352-03		WASHER	2	
	407 566	W	WASHER - (AN960-516)	2	
	407 567	W	WASHER - (AN960-616)	2	
	404 532		NUT - (MS21042-6)	2	
-41	402 904		BOLT - (NAS464P5LA21)	2	
	407 586	W	WASHER - (AN960-516L)	2	
	96352-02		WASHER	2	
	407 566	W	WASHER - (AN960-516)	2	
	407 567	W	WASHER - (AN960-616)	2	
	404 531		NUT - (MS21042-5)	2	
-42	402 914		BOLT - (NAS464P5LA15)	2	
	407 586	W	WASHER - (AN960-516L)	2	
	407 566	W	WASHER - (AN960-516)	AR	
	404 531		NUT - (MS21042-5)	2	
-43	402 915		BOLT - (NAS464P6LA6)	2	
	407 567	W	WASHER - (AN960-616)	4	
	407 587	W	WASHER - (AN960-616L)	2	
	404 532		NUT - (MS21042-6)	2	
-44	96770-03		COVER - Access	4	
-45	87341-04		PLACARD - No step	2	
-46	79174-02		WING WALK - Safety, wing, right	1	
-47	79174-04		WING WALK - Safety, flap	1	
-48	78046-00		RETAINER - Wing walk	1	
-49	179 872		SAFETY WALK COMPOUND - Black (one quart can)	AR	
-50	35664-02		PLACARD - Flap warning	1	
-51	453 966		BUTTON - Plug (HS48172-K2215)	2	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

--- PIPER PARTS CATALOG ---

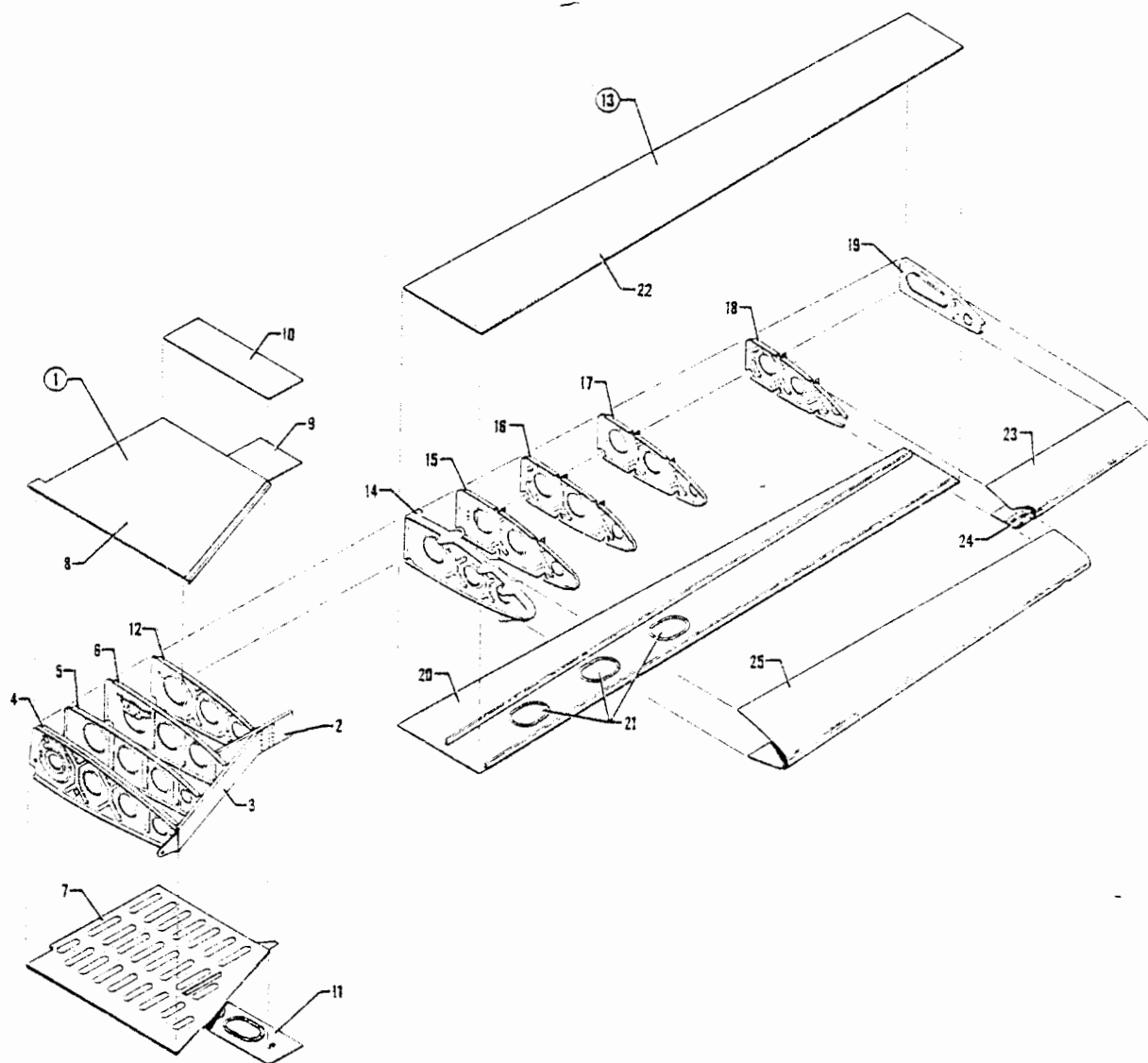


Figure 3. Wing Leading Edge Assembly

REVISED: MARCH 1980

1A18

PA-44-180
PA-44-180T

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 3

- A - Used on PA-44-180 only.
- B - Used on PA-44-180T only.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
3-1	86500-906	A	LEADING EDGE ASSEMBLY - Wing inboard, left	1	
	86500-916	B	LEADING EDGE ASSEMBLY - Wing inboard, left	1	
	86500-907	A	LEADING EDGE ASSEMBLY - Wing inboard, right	1	
	86500-917	B	LEADING EDGE ASSEMBLY - Wing inboard, right	1	
-2	86156-02		* SPAR ASSEMBLY - Leading edge, inboard, left	1	
	86156-03		* SPAR ASSEMBLY - Leading edge, inboard, right	1	
-3	95022-00		* SPAR ASSEMBLY - Leading edge, root, left	1	
	95022-01		* SPAR ASSEMBLY - Leading edge, root, right	1	
-4	95640-00		* RIB ASSEMBLY - Root, left	1	
	95640-01		* RIB ASSEMBLY - Root, right	1	
-5	95383-00		* RIB ASSEMBLY - Nose, left	1	
	95383-01		* RIB ASSEMBLY - Nose, right	1	
-6	95382-00		* RIB ASSEMBLY - Nose, left	1	
	95382-01		* RIB ASSEMBLY - Nose, right	1	
-7	95098-00		* SKIN ASSEMBLY - Leading edge root, bottom, left	1	
	95098-01		* SKIN ASSEMBLY - Leading edge root, bottom, right	1	
-8	86181-800		* SKIN ASSEMBLY - Leading edge root, top, left	1	
	86181-801		* SKIN ASSEMBLY - Leading edge root, top, right	1	
-9	86181-04		* * DOUBLER - Wing	1	
-10	86380-18		* SKIN ASSEMBLY - Leading edge, upper, inboard, left	1	
	86380-19		* SKIN ASSEMBLY - Leading edge, upper, inboard, right	1	
-11	86380-05		* SKIN ASSEMBLY - Leading edge, lower, inboard, left	1	
	86380-06		* SKIN ASSEMBLY - Leading edge, lower, inboard, right	1	
-12	95028-00		* RIB - Nose, Sta. 50.05, left	1	
	95028-01		* RIB - Nose, Sta. 50.05, right	1	
-13	86500-908	A	LEADING EDGE ASSEMBLY - Wing outboard, left	1	
	86500-918	B	LEADING EDGE ASSEMBLY - Wing outboard, left	1	
	86500-909	A	LEADING EDGE ASSEMBLY - Wing outboard, right	1	
	86500-919	B	LEADING EDGE ASSEMBLY - Wing outboard, right	1	
-14	86524-02		* RIB ASSEMBLY - Nose, Sta. 106.19, left	1	
	86524-03		* RIB ASSEMBLY - Nose, Sta. 106.19, right	1	
-15	35592-00		* RIB - Nose, Sta. 117.50, left	1	
	35592-01		* RIB - Nose, Sta. 117.50, right	1	
-16	35118-30		* RIB - Nose, Sta. 131.60, left	1	
	35118-31		* RIB - Nose, Sta. 131.60, right	1	
-17	35118-22		* RIB - Nose, Sta. 148.60, left	1	
	35118-23		* RIB - Nose, Sta. 148.60, right	1	
-18	35166-00		* RIB - Nose, Sta. 174.00, left	1	
	35166-01		* RIB - Nose, Sta. 174.00, right	1	
-19	86545-02		* RIB ASSEMBLY - Nose, Sta. 206.70, left	1	
	86545-03		* RIB ASSEMBLY - Nose, Sta. 206.70, right	1	
-20	35118-803		* SKIN ASSEMBLY - Leading edge, outboard, bottom, left	1	
	35118-804		* SKIN ASSEMBLY - Leading edge, outboard, bottom, right	1	
-21	95094-00		* * DOUBLER - Access hole	3	
-22	35118-810		* SKIN - Leading edge, top, left	1	
	35118-809		* SKIN - Leading edge, top, right	1	
-23	35118-955		* SKIN ASSEMBLY - Leading edge, outboard, left	1	
	35118-47		* SKIN - Leading edge, outboard, right	1	
-24	35118-41		* * DOUBLER - Left	1	
-25	35118-43		* SKIN - Leading edge, left	1	
	35118-45		* SKIN - Leading edge, right	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

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--- PIPER PARTS CATALOG ---

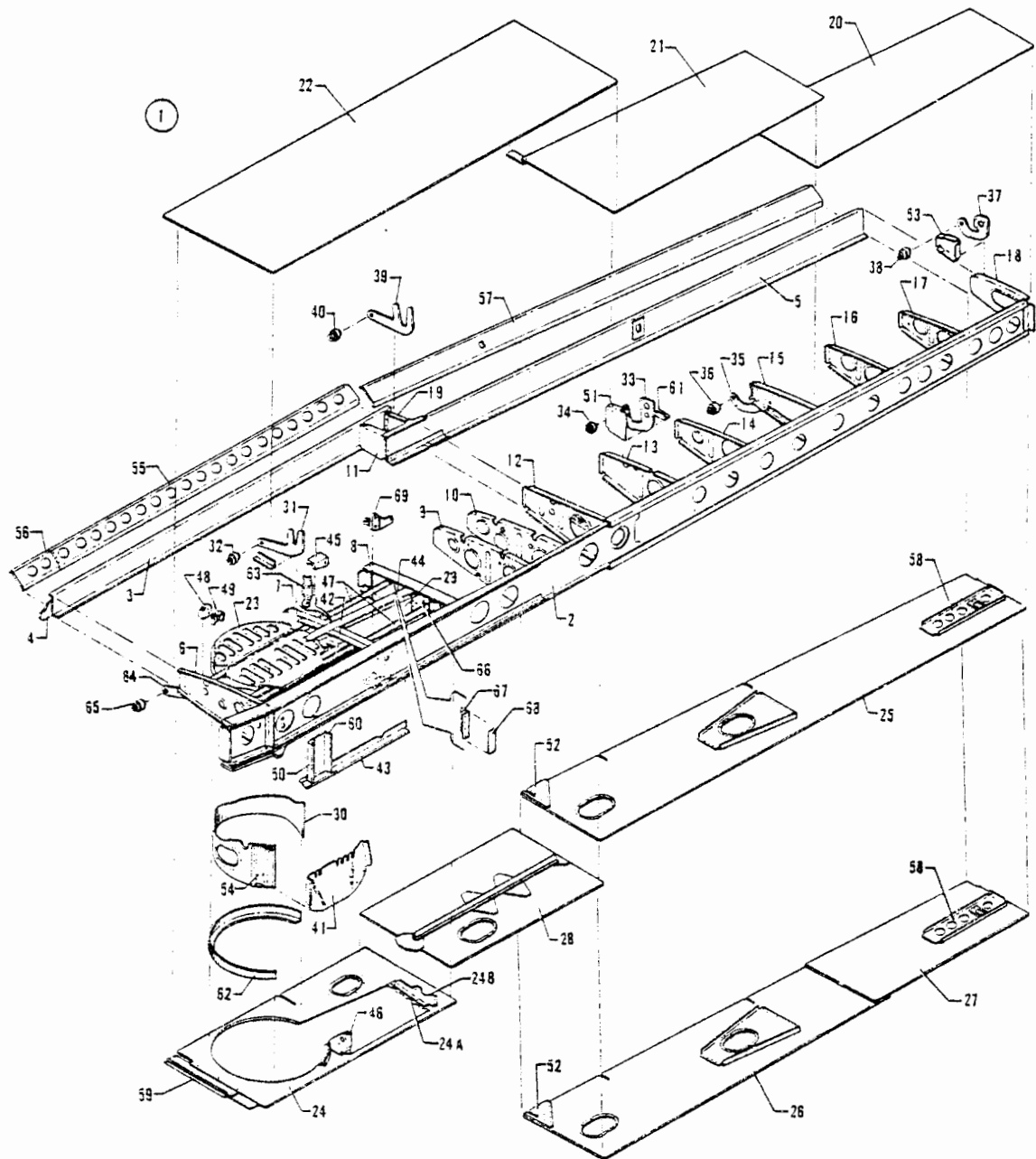


Figure 4. Wing Trailing Edge Assembly

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 4

- A - Serial number of aircraft must be supplied when ordering this part.
- B - Used on PA-44-180 only.
- C - Used on PA-44-180T only.
- D - Used on PA-44-180 with serial numbers 44-8095027 and up, and PA-44-180T.
- E - Used on PA-44-180 with serial numbers 44-7995001 to 44-7995216 inclusive, and 44-7995230 and up; and PA-44-180T.
- F - Used on PA-44-180 with serial numbers 44-8095024 and up, and PA-44-180T.
- G - Used on PA-44-180 with serial numbers 44-7995001 to 44-8095037 inclusive, and PA-44-180T with serial numbers 44-8107001 to 44-8107027 inclusive.
- H - Used on PA-44-180 with serial numbers 44-8195001 and up, and PA-44-180T with serial numbers 44-8107028 and up.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
4-1	86500-912	A,B	TRAILING EDGE ASSEMBLY - Wing aft section, left	1	
	86500-920	C	TRAILING EDGE ASSEMBLY - Wing aft section, left	1	
	86500-913	A,B	TRAILING EDGE ASSEMBLY - Wing aft section, right	1	
	86500-921	C	TRAILING EDGE ASSEMBLY - Wing aft section, right	1	
-2	86152-00		* SPAR ASSEMBLY - Wing main, left	1	
	86152-01		* SPAR ASSEMBLY - Wing main, right	1	
-3	86500-961		* SPAR ASSEMBLY - Wing aft, inboard, left	1	
	86500-962		* SPAR ASSEMBLY - Wing aft, inboard, right	1	
-4	66762-00		* * PLATE - Aft spar	1	
-5	86544-02		* SPAR ASSEMBLY - Wing aft, outboard, left	1	
	86544-03		* SPAR ASSEMBLY - Wing aft, outboard, right	1	
-6	95636-00		* RIB - Aft, Sta. 24.24, left	1	
	95636-01		* RIB - Aft, Sta. 24.24, right	1	
-7	78475-06		* RIB - Aft, Sta. 49.25, left	1	
	78475-07		* RIB - Aft, Sta. 49.25, right	1	
-8	38210-00		* RIB - Aft, Sta. 69.24, left	1	
	38210-01		* RIB - Aft, Sta. 69.24, right	1	
-9	66598-00		* RIB - Aft, Sta. 86.03, left	1	
	66598-01		* RIB - Aft, Sta. 86.03, right	1	
-10	86188-02		* RIB - Aft, Sta. 93.66, left	1	
	86188-03		* RIB - Aft, Sta. 93.66, right	1	
-11	86543-02		* RIB - Aft, Sta. 101.39, left	1	
	86543-03		* RIB - Aft, Sta. 101.39, right	1	
-12	86538-02		* RIB ASSEMBLY - Aft, Sta. 106.19, left	1	
	86538-03		* RIB ASSEMBLY - Aft, Sta. 106.19, right	1	
-13	86529-02		* RIB - Aft, Sta. 123.15, left	1	
	86529-03		* RIB - Aft, Sta. 123.15, right	1	
-14	86530-02		* RIB - Aft, Sta. 140.09, left	1	
	86530-03		* RIB - Aft, Sta. 140.09, right	1	
-15	86532-02		* RIB - Aft, Sta. 157.00, left	1	
	86532-03		* RIB - Aft, Sta. 157.00, right	1	
-16	86533-02		* RIB - Aft, Sta. 174.00, left	1	
	86533-03		* RIB - Aft, Sta. 174.00, right	1	
-17	86534-02		* RIB - Aft, Sta. 190.90, left	1	
	86534-03		* RIB - Aft, Sta. 190.90, right	1	
-18	86535-02		* RIB - Aft, Sta. 206.70, left	1	
	86535-03		* RIB - Aft, Sta. 206.70, right	1	
-19	86541-02		* RIB - Aft, Sta. 106.19, rear left	1	
	86541-03		* RIB - Aft, Sta. 106.19, rear right	1	
-20	86561-04		* SKIN ASSEMBLY - Outboard, top, left	1	
	86561-05		* SKIN ASSEMBLY - Outboard, top, right	1	
-21	86561-02		* SKIN ASSEMBLY - Center, top, left	1	
	86561-03		* SKIN ASSEMBLY - Center, top, right	1	
-22	86500-957		* SKIN ASSEMBLY - Aft, top, inboard, left	1	
	86500-958		* SKIN ASSEMBLY - Aft, top, inboard, right	1	
-23	67673-00		* * PAN - Wheel well	1	
-24	67690-12	G	* SKIN ASSEMBLY - Aft, bottom, inboard, left	1	
	67690-13	G	* SKIN ASSEMBLY - Aft, bottom, inboard, right	1	
	67690-18	H	* SKIN ASSEMBLY - Aft, bottom, inboard, left	1	
	67690-19	H	* SKIN ASSEMBLY - Aft, bottom, inboard, right	1	
-24a	67095-00		* * HINGE - Main gear door, left	1	
	67095-01		* * HINGE - Main gear door, right	1	
-24b	67096-00		* * BRACKET - Main gear up switch, left	1	
	67096-01		* * BRACKET - Main gear up switch, right	1	
-25	86560-02	B	* SKIN ASSEMBLY - Aft, bottom, outboard, left	1	44-7995001 to 44-8095023 incl
	86560-03	B	* SKIN ASSEMBLY - Aft, bottom, outboard, right	1	44-7995001 to 44-8095023 incl

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
4-26	86560-06	F	* SKIN ASSEMBLY - Aft, bottom, Sta. 106.19 to Sta. 174.00, left	1	
	86560-07	F	* SKIN ASSEMBLY - Aft, bottom, Sta. 106.19 to Sta. 174.00, right	1	
-27	86560-10	F	* SKIN - Aft, bottom, Sta. 174.00 to Sta. 206.70, left	1	
	86560-11	F	* SKIN - Aft, bottom, Sta. 174.00 to Sta. 206.70, right	1	
-28	38206-08		* SKIN ASSEMBLY - Aft, bottom, center, left	1	
	38206-09		* SKIN ASSEMBLY - Aft, bottom, center, right	1	
-29	67079-00		* WEB - False spar, left	1	
	67079-01		* WEB - False spar, right	1	
-30	67694-200	B	* WEB - Wheel well, left	1	44-7995001 to 44-8095026 incl.
	67694-201	B	* WEB - Wheel well, right	1	44-7995001 to 44-8095026 incl.
	67694-800	D	* WEB - Wheel well, left	1	
	67694-801	D	* WEB - Wheel well, right	1	
-31	65898-04		* SUPPORT ASSEMBLY - Flap, center	1	
-32	452 387		* * BEARING - (PS10020-18-1)	1	
-33	86555-02		* HINGE FITTING - Aileron, left	1	
	86555-03		* HINGE FITTING - Aileron, right	1	
-34	452 387		* * BEARING - (PS10020-18-1)	1	
-35	86556-02		* HINGE FITTING - Aileron, left	1	
	86556-03		* HINGE FITTING - Aileron, right	1	
-36	452 387		* * BEARING - (PS10020-18-1)	1	
-37	86557-02		* HINGE FITTING - Aileron, left	1	
	86557-03		* HINGE FITTING - Aileron, right	1	
-38	452 387		* * BEARING - (PS10020-18-1)	1	
-39	35425-00		* HINGE ASSEMBLY - Flap, outboard	1	
-40	452 544		* * BEARING - (MS20201-KP3A)	1	
-41	67164-00		* COVER - Cylinder access, left	1	
	67164-01		* COVER - Cylinder access, right	1	
-42	67670-00		* COVER ASSEMBLY - Control cable, left	1	
	67670-01		* COVER ASSEMBLY - Control cable, right	1	
-43	67689-02		* CAP - False spar, bottom, left	1	
	67689-03		* CAP - False spar, bottom, right	1	
-44	67097-02		* CAP - False spar, top, left	1	
	67097-03		* CAP - False spar, top, right	1	
-45	67071-00		* BRACKET - Main gear cylinder, left	1	
	67071-01		* BRACKET - Main gear cylinder, right	1	
-46	96308-02		* BRACKET - Wheel well, left	1	
	96308-03		* BRACKET - Wheel well, right	1	
-47	63904-24		* HOSE - Cable guard	2	
-48	67678-00		* BRACKET ASSEMBLY - Pulley, left	1	
	67678-01		* BRACKET ASSEMBLY - Pulley, right	1	
-49	67677-00		* BRACKET - Pulley, left	1	
	67677-01		* BRACKET - Pulley, right	1	
-50	67103-00		* BRACKET - Wheel well, left	1	
	67103-01		* BRACKET - Wheel well, right	1	
-51	86540-02		* DOUBLER - Aileron hinge, left	1	
	86540-03		* DOUBLER - Aileron hinge, right	1	
-52	35337-00		* DOUBLER - Wing	1	
-53	86542-02		* DOUBLER - Aileron hinge, left	1	
	86542-03		* DOUBLER - Aileron hinge, right	1	
-54	67676-02	B	* ZEE - Wheel well, left	1	44-7995001 to 44-8095026 incl.
	67676-03	B	* ZEE - Wheel well, right	1	44-7995001 to 44-8095026 incl.
	86837-02	D	* ZEE - Wheel well, left	1	
	86837-03	D	* ZEE - Wheel well, right	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
4-55	62129-04		* STIFFENER - Left, outboard	1	
	62129-03		* STIFFENER - Right, outboard	1	
-56	62129-08		* STIFFENER - Left, inboard	1	
	62129-07		* STIFFENER - Right, inboard	1	
-57	86573-02		* CUFF - Aft spar, outboard, left	1	
	86573-03		* CUFF - Aft spar, outboard, right	1	
-58	86633-02		* CHANNEL ASSEMBLY - Pitot head, left	1	
-59	67723-00		* PLATE ASSEMBLY - Aft wing, access, left	1	
	67723-01		* PLATE ASSEMBLY - Aft wing, access, right	1	
-60	67081-00		* ANGLE - False spar	1	
-61	35404-00		* ANGLE - Aileron hinge, left	1	
	35404-01		* ANGLE - Aileron hinge, right	1	
-62	67687-00		* ANGLE - Wheel well, left	1	
	67687-01		* ANGLE - Wheel well, right	1	
-63	67065-00		* ANGLE - False spar	1	
-64	65898-00		* SUPPORT ASSEMBLY - Flap, inboard, left	1	
	65898-01		* SUPPORT ASSEMBLY - Flap, inboard, right	1	
-65	452 387		* * BEARING - (PS10020-18-1)	1	
-66	37487-00		* ANGLE - False spar	1	
-67	78159-00		* ANGLE - Aft rib	1	
-68	68817-35		* PLATE - False spar	1	
-69	95643-08	E	BRACKET ASSEMBLY - Main gear truss, left	1	
	95643-09	B	BRACKET ASSEMBLY - Main gear truss, right	1	
	95643-10		BRACKET ASSEMBLY - Main gear truss, right	1	44-7995217 to 44-7995229 incl.

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

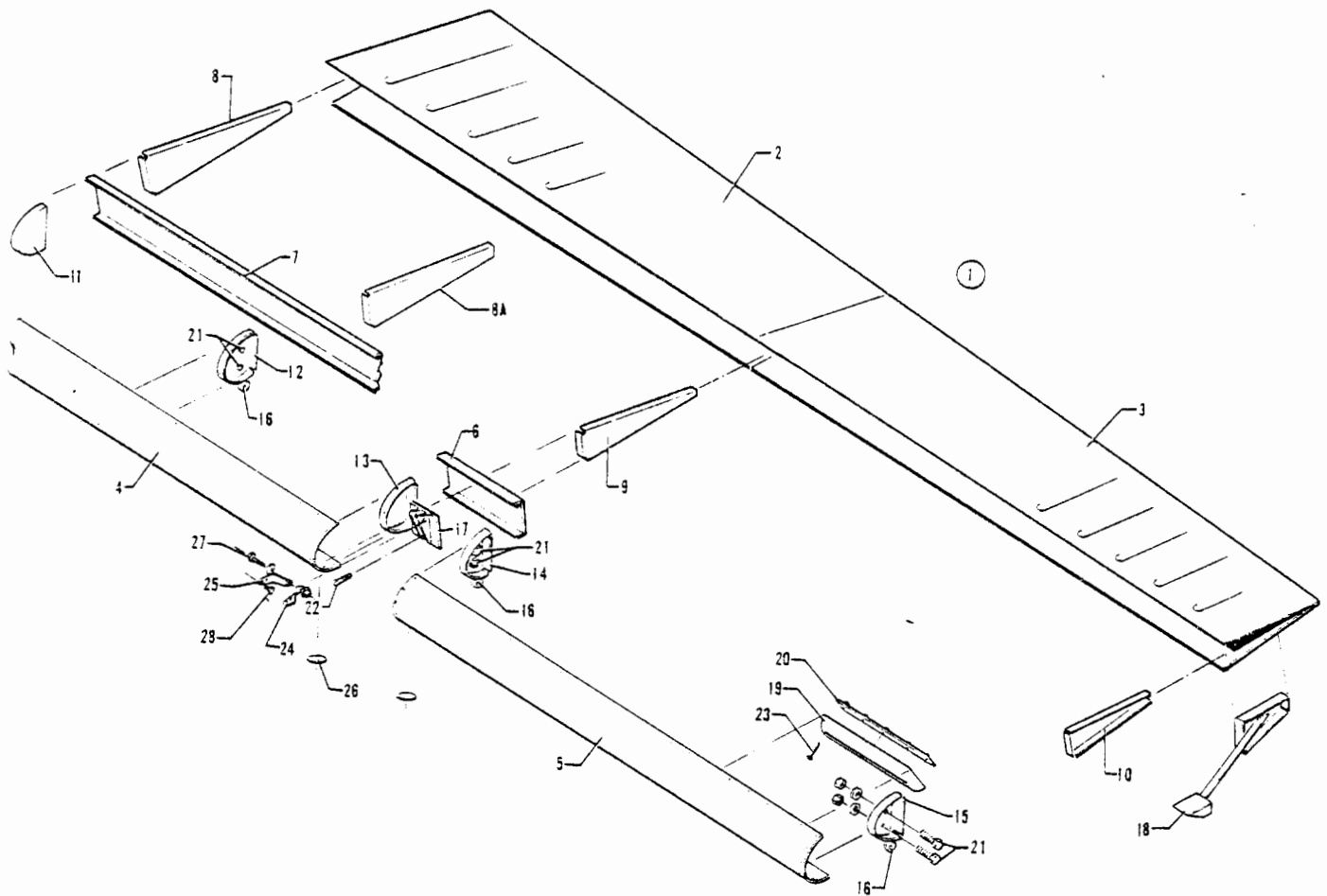


Figure 5. Aileron Assembly

REVISED: JANUARY 1982

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 5

A - Used on PA-44-180 only.

B - Used on PA-44-180 with serial numbers 44-8095007 and up, and PA-44-180T.

W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
5-1	86562-02	A	AILERON ASSEMBLY - Left	1	44-7995001 to 44-8095006 incl.
	86562-22	B	AILERON ASSEMBLY - Left	1	
	86562-03	A	AILERON ASSEMBLY - Right	1	
	86562-23	B	AILERON ASSEMBLY - Right	1	
-2	86562-04		* SKIN - Aileron, inboard, left	1	44-7995001 to 44-8095006 incl.
	86562-05		* SKIN - Aileron, inboard, right	1	
-3	86562-06		* SKIN - Aileron, outboard, left	1	44-7995001 to 44-8095006 incl.
	86562-07		* SKIN - Aileron, outboard, right	1	
-4	86562-08		* SKIN - Aileron, leading edge, inboard, left	1	44-7995001 to 44-8095006 incl.
	86562-09		* SKIN - Aileron, leading edge, inboard, right	1	
-5	86562-10		* SKIN - Aileron, leading edge, outboard, left	1	44-7995001 to 44-8095006 incl.
	86562-11		* SKIN - Aileron, leading edge, outboard, right	1	
-6	86562-12	A	* DOUBLER - Aileron	1	44-7995001 to 44-8095006 incl.
	86562-15	A	* DOUBLER - Aileron, left	1	
	38661-02	B	* DOUBLER - Aileron, left	1	
	86562-16	A	* DOUBLER - Aileron, right	1	
-7	38661-03	B	* DOUBLER - Aileron, right	1	44-7995001 to 44-8095006 incl.
	35640-06		* SPAR - Aileron, left	1	
	35640-07		* SPAR - Aileron, right	1	
	35640-08		* RIB - Aileron, inboard, left	1	
-8	35640-09		* RIB - Aileron, inboard, right	1	44-7995001 to 44-8095006 incl.
	86562-20	B	* RIB - Aileron, inboard, left	1	
-8a	86562-21	B	* RIB - Aileron, inboard, right	1	44-7995001 to 44-8095006 incl.
	35640-10		* RIB - Aileron, center, left	1	
-9	35640-11		* RIB - Aileron, center, right	1	44-7995001 to 44-8095006 incl.
	35640-12		* RIB - Aileron, outboard, left	1	
-10	35640-13		* RIB - Aileron, outboard, right	1	44-7995001 to 44-8095006 incl.
	86395-02		* RIB - Aileron, nose, inboard, left	1	
-11	86395-03		* RIB - Aileron, nose, inboard, right	1	44-7995001 to 44-8095006 incl.
	86396-04		* RIB - Aileron, nose, center, left	1	
-12	86396-05		* RIB - Aileron, nose, center, right	1	44-7995001 to 44-8095006 incl.
	86397-02	A	* RIB - Aileron, nose, center, left	1	
-13	86397-04	B	* RIB - Aileron, nose, center, left	1	44-7995001 to 44-8095006 incl.
	86397-03	A	* RIB - Aileron, nose, center, right	1	
-14	86397-05	B	* RIB - Aileron, nose, center, right	1	44-7995001 to 44-8095006 incl.
	86398-04		* RIB - Aileron, nose, center, left	1	
-15	86398-05		* RIB - Aileron, nose, center, right	1	44-7995001 to 44-8095006 incl.
	86399-04		* RIB - Aileron, nose, outboard, left	1	
-16	86399-05		* RIB - Aileron, nose, outboard, right	1	44-7995001 to 44-8095006 incl.
	86392-02		* FITTING - Aileron hinge, left	3	
-17	86392-03		* FITTING - Aileron hinge, right	3	44-7995001 to 44-8095006 incl.
	86393-02	A	* FITTING - Aileron pushrod attachment, left	1	
-18	38660-02	B	* FITTING - Aileron pushrod attachment, left	1	44-7995001 to 44-8095006 incl.
	86393-03	A	* FITTING - Aileron pushrod attachment, right	1	
-19	38660-03	B	* FITTING - Aileron pushrod attachment, right	1	44-7995001 to 44-8095006 incl.
	86641-02		* WEIGHT ASSEMBLY - Aileron balance, left	1	
-20	86641-03		* WEIGHT ASSEMBLY - Aileron balance, right	1	44-7995001 to 44-8095006 incl.
	86933-02		* WEIGHT - Aileron nose	1	
-21	37280-03		* RETAINER ASSEMBLY - Balance weight	1	44-7995001 to 44-8095006 incl.
	401 266	W	* BOLT - (AN3-5A)	6	
	407 564	W	* WASHER - (AN960-10)	6	
	406 816	W	* NUT - (NAS687-A3)	6	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
5-22	410 039	W	* SCREW - (MS24694-S51)	2	
	407 584	W	* WASHER - (AN960-10L)	2	
	404 887	W	* NUT - (MS20365-1032C)	2	
-23	415 628	W	* SCREW - (MS35206-328)	5	
	407 582	W	* WASHER - (AN960-6L)	5	
-24	86931-04	A	SUPPORT - Aileron, left	1	44-7995001 to 44-8095006 incl.
	86931-05	A	SUPPORT - Aileron, right	1	44-7995001 to 44-8095006 incl.
-25	86931-06	A	SUPPORT - Aileron, left	1	44-7995001 to 44-8095006 incl.
	86931-07	A	SUPPORT - Aileron, right	1	44-7995001 to 44-8095006 incl.
-26	86931-08	A	COVER - Aileron	4	44-7995001 to 44-8095006 incl.
-27	400 443	A,W	BOLT - (AN3-12A)	2	44-7995001 to 44-8095006 incl.
	407 584	A,W	WASHER - (AN960-10L)	4	44-7995001 to 44-8095006 incl.
	404 835	A,W	NUT - (MS20364-1032C)	2	44-7995001 to 44-8095006 incl.
-28	400 438	A,W	BOLT - (AN3-4A)	8	44-7995001 to 44-8095006 incl.
	407 584	A,W	WASHER - (AN960-10L)	16	44-7995001 to 44-8095006 incl.
	404 835	A,W	NUT - (MS20364-1032C)	8	44-7995001 to 44-8095006 incl.

When ordering, always specify Part Number, Description and Serial Number of Aircraft

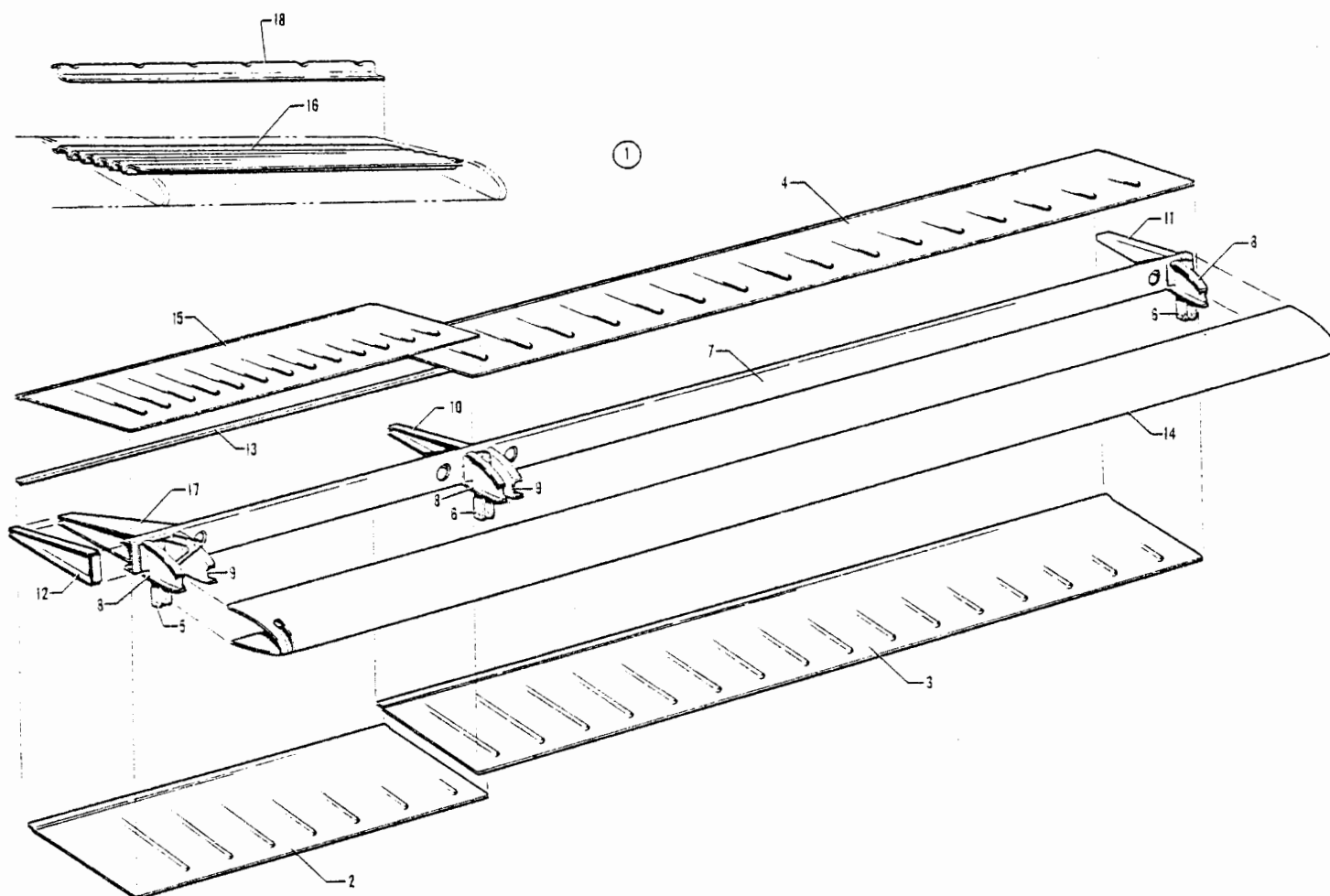


Figure 6. Flap Assembly

REVISED MARCH 1980

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 6

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
6-1	65591-00		FLAP ASSEMBLY - Left	1	
	65590-01		FLAP ASSEMBLY - Right	1	
-2	65592-00		* SKIN - Flap, bottom, left, inboard	1	
	65592-01		* SKIN - Flap, bottom, right, inboard	1	
-3	65588-00		* SKIN - Flap, bottom, left and right, outboard	1	
-4	65589-00		* SKIN - Flap, top, left and right, outboard	1	
-5	62324-00		* HINGE - Flap, inboard, left	1	
	62324-01		* HINGE - Flap, inboard, right	1	
-6	65899-00		* BRACKET - Flap hinge, center and outboard	2	
-7	62327-00		* SPAR - Flap	1	
-8	62328-00		* RIB - Left flap	3	
	62328-01		* RIB - Right flap	3	
-9	62328-01		* RIB - Left flap	2	
	62328-00		* RIB - Right flap	2	
-10	62332-02		* RIB - Flap, left, wing, Sta. 49	1	
	62332-00		* RIB - Flap, right, wing, Sta. 49	1	
-11	62330-00		* RIB - Flap, left	1	
	62330-01		* RIB - Flap, right	1	
-12	62331-00		* RIB - Flap, left, inboard	1	
	62331-01		* RIB - Flap, right, inboard	1	
-13	62320-03		* STRIP - Flap	1	
-14	65586-04		* SKIN - Flap, left, nose	1	
	65586-05		* SKIN - Flap, right, nose	1	
-15	65587-00		* SKIN - Flap, top, left, inboard	1	
	65594-01		* SKIN - Flap, top, right, inboard	1	
-16	65593-01		* CORRUGATION - Flap, top, right, inboard	1	
-17	62336-00		* DOUBLER ASSEMBLY - Left	1	
	62336-01		* DOUBLER ASSEMBLY - Right	1	
-18	65595-01		* ZEE - Flap, inboard, right	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG



Figure 7. Fuselage Assembly - Complete

REVISÉD: APRIL 1981

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 7

- A - See Figure 13 for component parts.
- B - See Figure 9 for balance of component parts.
- C - See Figure 10 for balance of component parts.
- D - See Figure 11 for balance of component parts.
- E - See Figure 12 for balance of component parts.
- F - See Figure 8 for component parts.
- G - Used if cabin overhead fresh air ventilation system is installed.
- H - When ordering, specify serial number of aircraft. Also specify with or without provisions for air conditioning.
- J - Used on PA-44-180 only.
- K - Used on PA-44-180T only.
- L - Used if air conditioning is installed.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
7-	86601		DRAWING - Fuselage Assembly		
-1	86601-02	H,J	FUSELAGE ASSEMBLY	1	
	86601-03	H,K	FUSELAGE ASSEMBLY	1	
-2	86463-02	A,H,J	* AFT SECTION - Fuselage	1	
	86463-918	A,H,K	* AFT SECTION - Fuselage	1	
-3	86601-903	J	* COCKPIT ASSEMBLY - Fuselage	1	
	86601-913	K	* COCKPIT ASSEMBLY - Fuselage	1	
-4	86601-908	J	* * COCKPIT ASSEMBLY - Fuselage, upper	1	
	86601-915	K	* * COCKPIT ASSEMBLY - Fuselage, upper	1	
-5	86601-909	B,J	* * * UPPER COCKPIT ASSEMBLY - Forward	1	
	86601-916	B,K	* * * UPPER COCKPIT ASSEMBLY - Forward	1	
-6	79563-801		* * * * SKIN - Cockpit, left front	1	
	79563-802		* * * * SKIN - Cockpit, right front	1	
-7	79569-800		* * * * SKIN - Forward upper cockpit, top	1	
-8	78112-05		* * * * COVER ASSEMBLY - Cowl deck	1	
-9	86601-910	C,J	* * * UPPER COCKPIT ASSEMBLY - Center	1	
	86601-917	C,K	* * * UPPER COCKPIT ASSEMBLY - Center	1	
-10	86610-02		* * * * SKIN - Upper cockpit, top, front	1	
-11	79561-03		* * * * SKIN - Windshield trim, right side	1	
-12	76256-02		* * * * SKIN - Window trim, left side	1	
	76257-00		* * * * SKIN - Window trim, right side	1	
-13	76467-02		* * * PAN - Door trim, right side	1	
-14	68817-50		* * * DOUBLER - Forward upper cockpit, top	1	
-15	62507-00		* * * FILLER - Forward upper cockpit, top	1	
-16	76297-00		* * * SKIN ASSEMBLY - Window trim, left side	1	
	76297-01		* * * SKIN ASSEMBLY - Window trim, right side	1	
-17	79373-901		* * * SKIN - Upper cockpit, top, center	1	
-18	86621-02		* * * * SKIN - Windshield trim, left side	1	
-19	86601-905	D,J	* * COCKPIT ASSEMBLY - Fuselage, lower	1	
	86601-914	D,K	* * COCKPIT ASSEMBLY - Fuselage, lower	1	
-20	86435-02		* * * SKIN - Lower cockpit, center, rear	1	
-21	79582-903		* * * SKIN - Lower cockpit, front	1	
-22	96436-02		* * * SKIN - Lower cockpit, center, front	1	
-23	86469-02		* * * FAIRING - Wing root, left	1	
	86469-03		* * * FAIRING - Wing root, right	1	
-24	62541-02		* * * DOUBLER - Lower cockpit, left	1	
	62541-03		* * * DOUBLER - Lower cockpit, right	1	
-25	62549-00		* * * DOUBLER - Lower cockpit	2	
-26	86616-02		* * * DOUBLER - Lower cockpit, air scoop	2	
-27	86612-02		* * * DOUBLER - Lower forward cockpit	2	
-28	86601-800	E	* * * LOWER COCKPIT ASSEMBLY - Aft	1	
-29	76470-964		* * * * SKIN ASSEMBLY - Lower cockpit, center	1	
-29a	79581-900		* * * * SKIN - Lower cockpit, center	1	
-30	79580-04		* * * * SKIN - Lower cockpit, left, rear	1	
	79580-801		* * * * SKIN - Lower cockpit, right, rear	1	
-31	76474-04		* * SKIN - Cockpit, left side	1	
-32	76476-900		* * SKIN - Cockpit, left side	1	
	76476-901		* * SKIN - Cockpit, right side	1	
-33	76475-900		* SKIN - Cockpit, left, rear	1	
-34	79577-900		* SKIN - Cockpit, top, rear	1	
-35	487 674		* STUD - Fastener (XX-16362 x 3/8)	1	
-36	86446-38	F	* CONE ASSEMBLY - Nose	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
7-37	481 772	W	* HANDLE - Upper cockpit (N12865)	1	
-38	65384-00		* STEP ASSEMBLY - Fuselage	1	
-39	65431-00		* * STRIP - Safety	1	
-40	66609-02		SCOOP - Cabin air exhaust and fuel selector access	2	
	66965-00	G	SCOOP - Cabin air exhaust and fuel selector access	2	
	86616-04	L	COVER - Fuel selector access	2	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

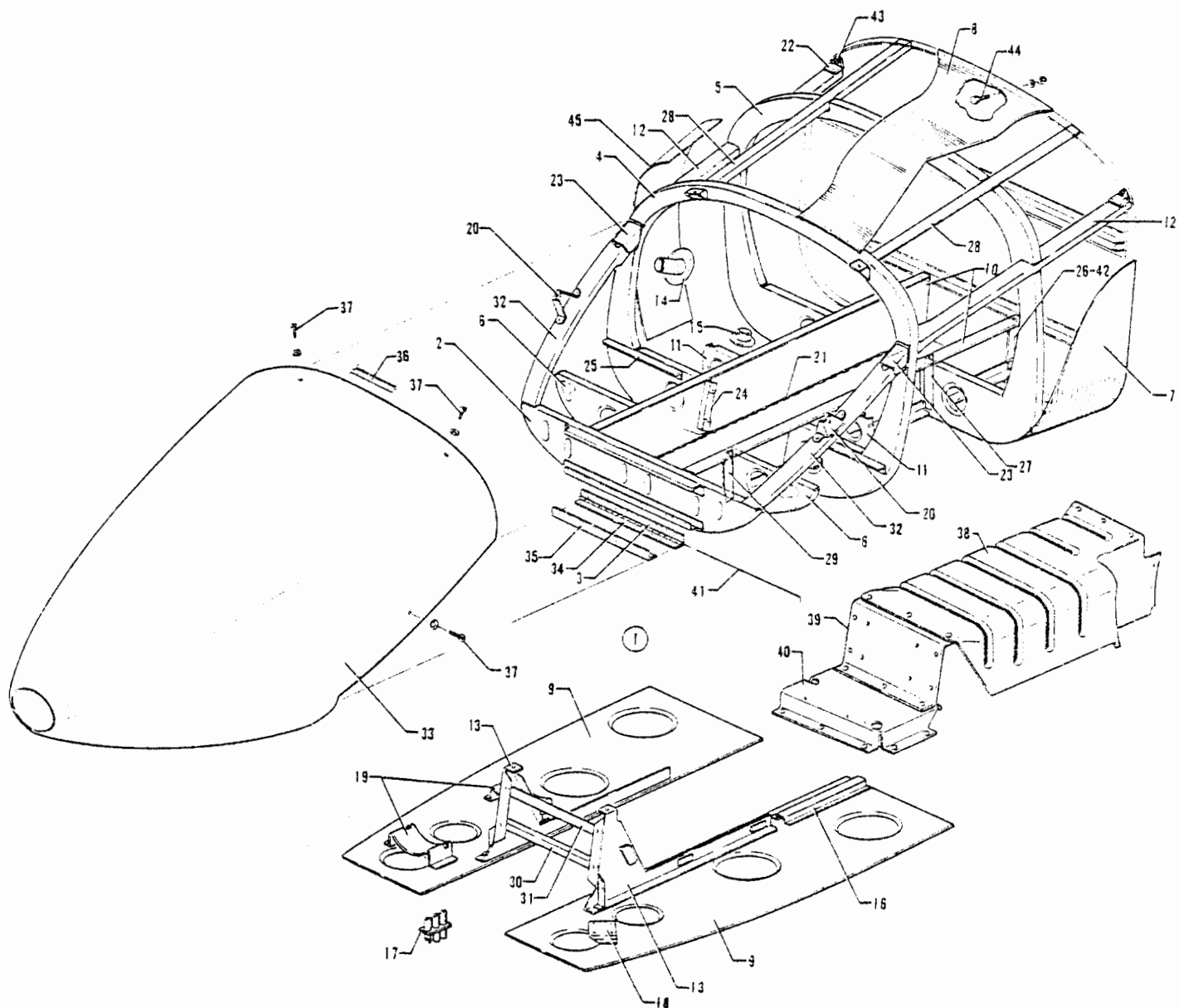


Figure 8. Fuselage Nose Cone Assembly

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 8

- A - Used on PA-44-180 with serial numbers 44-7995001 to 44-8095037 inclusive, and PA-44-180T with serial numbers 44-8107001 to 44-8107027 inclusive.
- B - Used on PA-44-180 with serial numbers 44-8195001 and up, and PA-44-180T with serial numbers 44-8107028 and up.
- C - Used on PA-44-180 with serial numbers 44-8195001 and up, and PA-44-180T with serial numbers 44-8107027 and up.
- D - Used if dual landing lights are not installed.
- E - Used if dual landing lights are installed.
- F - Used on PA-44-180 with serial numbers 44-7995001 to 44-8095037 inclusive, and PA-44-180T with serial numbers 44-8107001 to 44-8107026 inclusive.
- G - Used if combustion heater air inlet collar assembly attaches to lower right nose cone skin with (16) rivets.
- H - Used if combustion heater air inlet collar assembly attaches to lower right nose cone skin with (8) rivets.
- J - Used on PA-44-180T only.
- K - Used if two or three blade heated propeller system is installed.
- W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
8-	86446 86620		DRAWING - Nose Cone Assembly and Installation DRAWING - Battery Support and Wheelwell Cover Installation		
-1	86446-38		CONE ASSEMBLY - Nose	1	
-2	86301-00		* RIB ASSEMBLY - Nose cone, Sta. 5.15	1	
-3	86301-07		* * HINGE HALF - Nose cone	1	
-4	86442-08		* RIB ASSEMBLY - Nose cone, canted, left	1	
	86442-09		* RIB ASSEMBLY - Nose cone, canted, right	1	
-5	86447-04		* RIB - Nose cone, Sta. 35, left	1	
	86447-05		* RIB - Nose cone, Sta. 35, right	1	
-6	86453-04		* RIB - Nose cone, Sta. 10.80, left	1	
	86453-05		* RIB - Nose cone, Sta. 10.80, right	1	
-7	86446-04		* SKIN - Nose cone, lower, left	1	
	86446-05	G	* SKIN - Nose cone, lower, right	1	
	86446-40	H	* SKIN - Nose cone, lower, right	1	
-8	86446-06		* SKIN - Nose cone, top	1	
-9	86446-36		* SKIN - Floorboard, left	1	
	86446-37		* SKIN - Floorboard, right	1	
-10	86444-02		* SPAR ASSEMBLY - Nose cone, left	1	
	86444-03	A	* SPAR ASSEMBLY - Nose cone, right	1	
	86444-12	B	* SPAR ASSEMBLY - Nose cone, right	1	
-11	86444-16		* * GUSSET ASSEMBLY - Nose cone spar, left	1	
	86444-17		* * GUSSET ASSEMBLY - Nose cone spar, right	1	
-12	86443-02		* CHANNEL - Nose cone, side, left	1	
	86443-03		* CHANNEL - Nose cone, side, right	1	
-13	86646-02		* RAIL ASSEMBLY - Wheelwell cover support, left	1	
	86646-03		* RAIL ASSEMBLY - Wheelwell cover support, right	1	
-14	86681-02		* COLLAR ASSEMBLY - Combustion air	1	
	86943-02	G	* COLLAR ASSEMBLY - Combustion air	1	
-15	86422-02	H	* SUPPORT ASSEMBLY - Combustion air collar	1	
-16	86267-02		* HAT ASSEMBLY - Close out	1	
-17	63947-00		* VENT ASSEMBLY - Battery	1	
-18	86701-03		* RELAY BASE ASSEMBLY	1	
-19	86420-02		* SUPPORT - Janitrol heater	2	
-20	86464-02		* FASTENER ASSEMBLY - Nose cone	2	
-21	86446-26		* HINGE HALF - Nose gear door, left	1	
	86446-27		* HINGE HALF - Nose gear door, right	1	
-22	86438-02		* ANGLE - Nose cone attachment, left	1	
	86438-03		* ANGLE - Nose cone attachment, right	1	
-23	86438-06		* CHANNEL - Nose cone, left	1	
	86438-07		* CHANNEL - Nose cone, right	1	
-24	86446-22		* ANGLE - Canted frame, left	1	
	86446-23		* ANGLE - Canted frame, right	1	
-25	86446-21		* ANGLE - Canted frame	2	
-26	86452-02		* ANGLE - Nose spar	2	
-27	86446-17		* ANGLE - Bulkhead	2	
-28	86446-08		* STRINGER - Nose cone, left	1	
	86446-09		* STRINGER - Nose cone, right	1	
-29	86446-24		* CLIP - Nose cone, left	1	
	86446-25		* CLIP - Nose cone, right	1	
-30	86446-28		* ANGLE - Nose cone, top	1	
-31	86446-29		* ANGLE - Nose cone, bottom	1	
-32	86445-02		* CHANNEL - Nose cone, lower, left	1	
	86445-03		* CHANNEL - Nose cone, lower, right	1	
-33	86448-02	F	NOSE CONE ASSEMBLY	1	
	86448-06	C,D	NOSE CONE ASSEMBLY	1	
	86448-07	C,E	NOSE CONE ASSEMBLY	1	
-34	86448-05		* HINGE HALF - Nose cone	1	
-35	86448-03		* ANGLE - Hinge	1	
-36	86448-04		* SEAL - Nose cone	AR	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
8-37	410 052		* SCREW - (MS24694-S65)	4	
	494 037	W	* WASHER - (PS10092-1-36)	4	
-38	86649-02		COVER ASSEMBLY - Wheelwell	1	
-39	86647-02		COVER ASSEMBLY - Forward wheelwell	1	
-40	86645-02		DAIS ASSEMBLY - Battery support	1	
-41	86446-14		HINGE PIN - Nose cone	1	
-42	86466-02		DOUBLER - Nose spar	2	
-43	401 392	W	BOLT - (AN6-10A)	2	
	407 567	W	WASHER - (AN960-616)	4	
	404 890	W	NUT - (MS20365-624C)	2	
-44	401 395	W	BOLT - (AN6-14A)	1	
	407 567	W	WASHER - (AN960-616)	2	
	404 890	W	NUT - (MS20365-624C)	1	
-45	86942-04	J,K	SHIELD - Ice, left	1	44-8107033, 44-8207007 and up
	86942-05	J,K	SHIELD - Ice, right	1	44-8107033, 44-8207007 and up

When ordering, always specify Part Number, Description and Serial Number of Aircraft

--- PIPER PARTS CATALOG ---

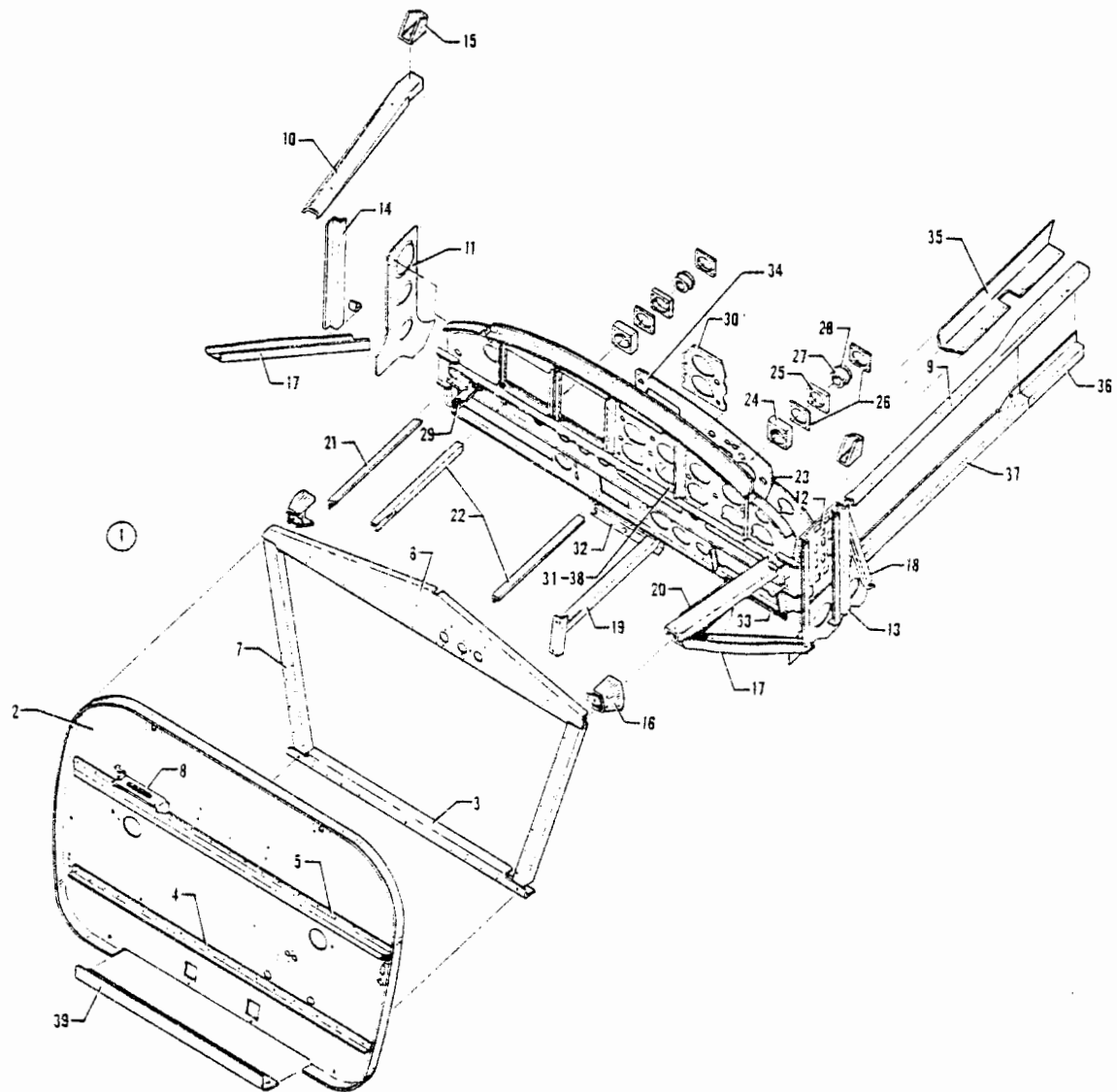


Figure 9. Fuselage Upper Forward Cockpit Assembly

REVISED: APRIL 1981

1B21

PA-14-180
PA-44-130T

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 9

- A - Used on PA-44-180 only.
- B - Used on PA-44-180T only.
- C - Used on PA-44-180 with serial numbers 44-8095001 and up, and PA-44-180T.
- D - Used on PA-44-180 with serial numbers 44-7995001 to 44-8095037 inclusive, and PA-44-180T with serial numbers 44-8107001 to 44-8107026 inclusive.
- E - Used on PA-44-180 with serial numbers 44-8195001 and up, and PA-44-180T with serial numbers 44-8107027 and up.
- F - Used if Century 21 AutoPilot is installed.
- G - Used if Century 41 AutoPilot is installed.
- H - Used if Nav 124/124A Radio with NSD 360A is installed.
- W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
9-1	86601-909	A	UPPER COCKPIT ASSEMBLY - Forward	1	
	86601-916	B	UPPER COCKPIT ASSEMBLY - Forward	1	
-2	86433-02		* BULKHEAD ASSEMBLY - Forward	1	
-3	62438-02		* CHANNEL - Forward bulkhead	1	
-4	86256-02		* ANGLE - Forward bulkhead	1	
-5	63423-04		* CHANNEL ASSEMBLY - Toe brake reinforcement	1	
-6	67266-03		* BEAM - Upper forward bulkhead	1	
-7	63436-00		* CHANNEL - Forward bulkhead, left	1	
	63436-01		* CHANNEL - Forward bulkhead, right	1	
-8	86425-02		* SHELF - Brake fluid reservoir	1	
-9	76489-03		* LONGERON - Upper, left	1	
-10	62473-02		* LONGERON - Upper, right	1	
-11	62499-00		* WEB - Fuselage, right side	1	
-12	86432-02		* WEB - Upper cockpit	1	
-13	86614-02		* FRAME ASSEMBLY - Hat	1	
-14	86614-05		* ZEE ASSEMBLY - Frame, left	1	
	62674-01		* ZEE ASSEMBLY - Frame, right	1	
-15	79553-00		* FITTING - Upper forward cockpit, Sta. 73, left	1	
	79553-01		* FITTING - Upper forward cockpit, Sta. 73, right	1	
-16	79739-02		* FITTING - Engine mount, center, left	1	
	79739-03		* FITTING - Engine mount, center, right	1	
-17	86424-02		* CHANNEL - Upper cockpit, left	1	
	86424-03		* CHANNEL - Upper cockpit, right	1	
-18	76137-02		* CHANNEL - Sta. 73.C4	1	
-19	86337-02		* SUPPORT ASSEMBLY - Instrument panel	1	
-20	79655-02	D	* PLATE ASSEMBLY - Voltage regulator support	1	
	39769-02	E	* PLATE ASSEMBLY - Voltage regulator support	1	
-21	67258-00		* ANGLE - Stiffener, upper forward cockpit	1	
-22	67259-02		* ANGLE - Stiffener, upper forward cockpit	2	
-23	86290-02	A	PANEL ASSEMBLY - Instrument	1	44-7995001 to 44-8095037 incl.
	86290-04	A	PANEL ASSEMBLY - Instrument	1	44-8195001 and up
	86290-03	B	PANEL ASSEMBLY - Instrument	1	44-8107001 to 44-8107026 incl.
	86290-05	B	PANEL ASSEMBLY - Instrument	1	44-8107027 and up
-24	68272-04		* PLATE - Control wheel	2	
-25	68272-02		* PLATE - Control wheel	2	
-26	68272-03		* PLATE - Control wheel	4	
-27	68273-02		* BUSHING - Control wheel	2	
-28	484 792		* "O" RING - Control wheel (MS28775-218)	2	
-29	86674-02		* CONTROL ASSEMBLY - Cabin heat and defrost	1	
-30	99627-00		* DOUBLER - Instrument panel	1	
-31	99215-00		* DOUBLER - Instrument panel	1	
-32	86293-03		* CHANNEL ASSEMBLY - Hand brake	1	
-33	67319-00		* BRACKET - Mike jack	1	
-34	79567-03	E,F	PANEL - Instrument, upper left	1	
	79567-05	E,G	PANEL - Instrument, upper left	1	
	79567-00	E,H	PANEL - Instrument, upper left	1	
-35	86768-02		ANGLE - Side panel, left	1	
-36	86703-02		ZEE - Longeron reinforcement	1	
-37	69129-00		CHANNEL - Longeron reinforcement	1	
-38	79566-02	E,G	DOUBLER - Instrument panel	1	
	79566-00	E,H	DOUBLER - Instrument panel	1	
-39	63285-00		ANGLE - Bulkhead	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

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--- PIPER PARTS CATALOG ---

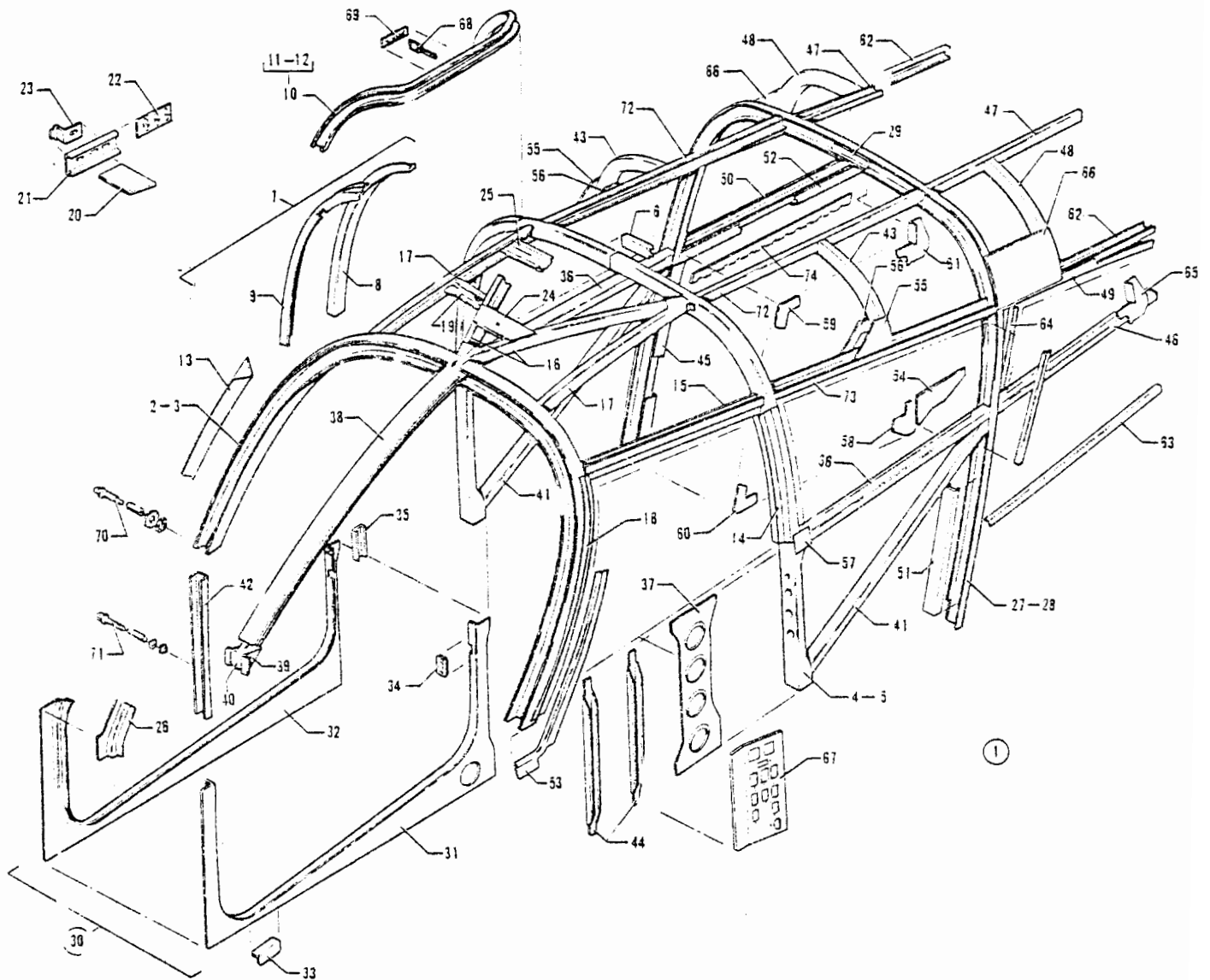


Figure 10. Fuselage Upper Center Cockpit Assembly

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 10

- A - Used if 250 thick sound reduction windshield is installed.
- B - Used on PA-44-180 only.
- C - Used on PA-44-180T only.
- W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
10-1	86601-910	B	UPPER COCKPIT ASSEMBLY - Center	1	
	86601-917	C	UPPER COCKPIT ASSEMBLY - Center	1	
-2	76468-08		* FRAME ASSEMBLY - Canted, fuselage, Sta. 85.60	1	
-3	76468-02		* CHANNEL ASSEMBLY - Left	1	
	76468-03		* CHANNEL ASSEMBLY - Right	1	
-4	62426-06		* FRAME ASSEMBLY - Fuselage, Sta. 108.16	1	
-5	62427-00		* CHANNEL - Fuselage frame, left	1	
	62427-02		* CHANNEL - Fuselage frame, right	1	
-6	62429-00		* CHANNEL - Splice plate	1	
-7	79561-903		* PAN ASSEMBLY - Side	1	
-8	79561-08		* PAN - Inner	1	
-9	79561-07		* PAN - Outer	1	
-10	79561-900		* PAN ASSEMBLY - Upper center	1	
-11	79561-09		* PAN - Outer	1	
-12	79561-10		* PAN - Inner	1	
-13	79561-04		* JAMB - Door, forward	1	
-14	86606-02		* SILL - Emergency exit, rear	1	
-15	86604-03		* SILL ASSEMBLY - Emergency exit, top	1	
-16	66969-02		* CHANNEL - Upper center fuselage, left	1	
	66969-03		* CHANNEL - Upper center fuselage, right	1	
-17	76140-03		* CHANNEL - Upper center cockpit, left	1	
	76140-04		* CHANNEL - Upper center cockpit, right	1	
-18	86605-02		* SILL - Emergency exit, forward	1	
-19	63038-02		* CHANNEL - Support	1	
-20	76365-00		* PLATE - Door latch	1	
-21	69740-02		* CHANNEL - Door latch	1	
-22	69738-00		* PLATE ASSEMBLY - Door latch	1	
-23	69739-00		* CLIP - Door latch	1	
-24	79161-00		* DOUBLER - Antenna	1	
-25	76239-00		* CHANNEL - Upper cockpit	1	
-26	76467-04		* CHANNEL - Door frame splice	1	
-27	62412-02		FRAME ASSEMBLY - Fuselage, Sta. 128.737, upper	1	
-28	62410-00		* CHANNEL - Upper frame, left	1	
	62410-01		* CHANNEL - Upper frame, right	1	
-29	62430-00		* CHANNEL - Splice plate	1	
-30	76467-00		PAN ASSEMBLY - Lower	1	
-31	76467-03		* PAN - Inboard	1	
-32	76467-02		* PAN - Outboard	1	
-33	62656-00		* ANGLE ASSEMBLY - Door holder	1	
-34	79639-02		* PLATE - Striker	1	
-35	79233-00		* CHANNEL - Splice	1	
-36	65572-00		LONGERON - Upper center cockpit, left	1	
	65572-01		LONGERON - Upper center cockpit, right	1	
-37	62644-00		WEB - Upper center fuselage, left	1	
-38	62509-03		HAT ASSEMBLY - Windshield	1	
	62509-04	A	HAT ASSEMBLY - Windshield	1	
-39	62505-00		* BRACKET - Windshield	1	
-40	62423-00		* FITTING	1	
-41	65570-00		CHANNEL - Upper center cockpit, left	1	
	65570-01		CHANNEL - Upper center cockpit, right	1	
-42	62483-02		CHANNEL - Right door, front, Sta. 72.6	1	
-43	99690-00		CHANNEL - Upper cockpit, left	1	
	99690-01		CHANNEL - Upper cockpit, right	1	
-44	99421-00		CHANNEL - Armrest support	2	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
10-45	62636-00		CHANNEL - Baggage door frame, front	1	
-46	62637-00		CHANNEL - Fuselage rear, left	1	
-47	62639-00		CHANNEL - Upper center cockpit, left	1	
	62639-01		CHANNEL - Upper center cockpit, right	1	
-48	99691-00		CHANNEL - Upper cockpit, rear, left	1	
	99691-01		CHANNEL - Upper cockpit, rear, right	1	
-49	67267-00		CHANNEL - Support, left	1	
	67267-01		CHANNEL - Support, right	1	
-50	62635-00		CHANNEL - Baggage door frame, top, inner	1	
-51	62410-02		CHANNEL - Fuselage, Sta. 128.737	1	
-52	62634-00		CHANNEL - Baggage door frame, top, outer	1	
-53	69891-02		RETAINER - Windshield, lower, left	1	
	69891-04	A	RETAINER - Windshield, lower, left	1	
	69891-10		RETAINER - Windshield, upper, left	1	
	69891-12	A	RETAINER - Windshield, upper, left	1	
	69891-03		RETAINER - Windshield, lower, right	1	
	69891-05	A	RETAINER - Windshield, lower, right	1	
	69891-11		RETAINER - Windshield, upper, right	1	
	69891-13	A	RETAINER - Windshield, upper, right	1	
-54	65117-00		GUSSET - Upper center cockpit, left	1	
	65116-00		GUSSET - Upper center cockpit, right	1	
-55	99692-00		DOUBLER - Shoulder harness, left	1	
	99692-01		DOUBLER - Shoulder harness, right	1	
-56	99741-00		GUSSET - Headliner attachment, left	1	
	99741-01		GUSSET - Headliner attachment, right	1	
-57	65122-00		GUSSET - Upper cockpit	1	
-58	62571-00		GUSSET - Baggage door frame, bottom, rear	1	
-59	62632-00		GUSSET - Baggage door frame, top, front	1	
-60	62633-00		GUSSET - Baggage door frame, bottom, front	1	
-61	76279-00		GUSSET - Baggage door frame, top, rear, right	1	
-62	67291-00		STRINGER - Upper center cockpit, left	1	
	67291-01		STRINGER - Upper center cockpit, right	1	
-63	86721-03		STIFFENER - Left side, rear	1	
-64	76261-00		ANGLE - Support, left	1	
	76261-01		ANGLE - Support, right	1	
-65	76279-02		GUSSET - Fuselage, top, left	1	
-66	99693-00		DOUBLER - Should harness, left	2	
-67	86291-02		SWITCH PLATE	1	
-68	63037-00		LOOP ASSEMBLY - Door latch	1	
-69	79234-00		PLATE	1	
-70	402 057		BOLT - Eye, upper door hinge attachment (AN44-17A)	1	
	407 586	W	WASHER - (AN960-516L)	1	
	404 837	W	NUT - (MS20364-524C)	1	
	63900-47		BUSHING - Upper door hinge	1	
-71	402 057		BOLT - Eye, lower door hinge attachment (AN44-17A)	1	
	407 586	W	WASHER - (AN960-516L)	1	
	404 837	W	NUT - (MS20364-524C)	1	
	63900-46		BUSHING - Lower door hinge	1	
-72	62477-00		CHANNEL - Upper center cockpit, left	1	
	62477-01		CHANNEL - Upper center cockpit, right	1	
-73	67262-02		CHANNEL - Upper center cockpit, left	1	
	67262-03		CHANNEL - Upper center cockpit, right	1	
-74	62419-11		HINGE HALF - Baggage door	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

--- PIPER PARTS CATALOG ---

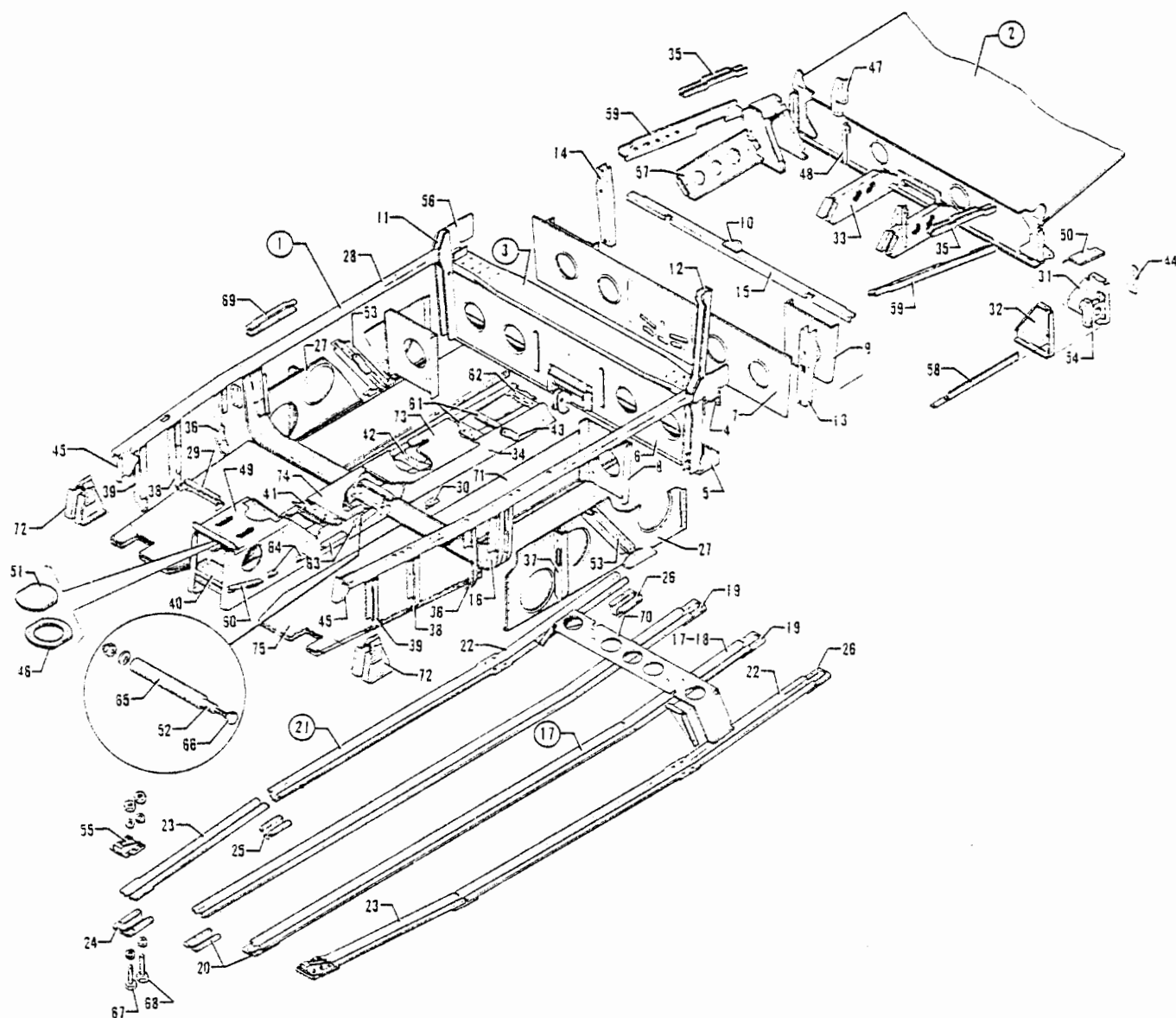


Figure 11. Fuselage Lower Forward Cockpit Assembly

REVISED: MARCH 1980

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 11

A - See Figure 12 for component parts.

B - Used on PA-44-180 only.

C - Used on PA-44-180T only.

W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
11-1	86601-305	B	COCKPIT ASSEMBLY - Lower	1	
	86601-914	C	COCKPIT ASSEMBLY - Lower	1	
-2	86601-800	A	* LOWER COCKPIT ASSEMBLY - Aft	1	
-3	86286-02		* BOX ASSEMBLY - Spar. lower cockpit	1	
-4	95732-02		* * CHANNEL - Spar box, top	1	
-5	62540-00		* * CHANNEL - Spar box, bottom	1	
-6	86455-02		* * WEB - Spar box, front	1	
-7	86456-02		* * WEB - Spar box, rear	1	
-8	96324-00		* * DOUBLER - Spar box, forward, left	1	
	96324-01		* * DOUBLER - Spar box, forward, right	1	
-9	96329-00		* * DOUBLER - Spar box, aft, left	1	
	96329-01		* * DOUBLER - Spar box, aft, right	1	
-10	99045-00		* * BRACKET - Flap return spring	1	
-11	62545-02		* * CHANNEL - Spar box, forward, right	1	
-12	68562-02		* * CHANNEL - Spar box, forward, left	1	
-13	68524-02		* * CHANNEL - Spar box, aft, left	1	
-14	96339-01		* * CHANNEL - Spar box, aft, right	1	
-15	86285-02		* * CHANNEL - Floor support	1	
-16	76126-03		* FRAME ASSEMBLY - Fuselage, Sta. 73.04	1	
-17	76469-950		* HAT ASSEMBLY - Inboard, lower cockpit	2	
-18	76114-00		* * HAT	1	
-19	62554-00		* * FAIRING - Rear	1	
-20	86467-02		* * FAIRING - Front	1	
-21	76469-951		* HAT ASSEMBLY - Outboard, left	1	
	76469-952		* HAT ASSEMBLY - Outboard, right	1	
-22	86468-02		* * HAT - Rear, left	1	
	86468-03		* * HAT - Rear, right	1	
-23	62528-00		* * HAT - Forward, left	1	
	62523-01		* * HAT - Forward, right	1	
-24	62544-00		* * FAIRING - Front, left	1	
	62544-01		* * FAIRING - Front, right	1	
-25	62558-00		* * FAIRING - Center, left	1	
	62558-01		* * FAIRING - Center, right	1	
-26	62554-00		* * FAIRING - Rear	2	
-27	86437-02		* WEB - Lower cockpit, left	1	
	86437-03		* WEB - Lower cockpit, right	1	
-28	76490-02		* LONGERON - Lower cockpit, left	1	
	76490-03		* LONGERON - Lower cockpit, right	1	
-29	62664-00		* ZEE ASSEMBLY - Tunnel	2	
-30	96282-00		* SUPPORT - Cable clamp	2	
-31	62536-04		* SUPPORT - Rear seat bottom, left	1	
	62536-05		* SUPPORT - Rear seat bottom, right	1	
-32	62550-00		* SUPPORT - Rear seat bottom, left	1	
	62550-01		* SUPPORT - Rear seat bottom, right	1	
-33	62763-00		* SUPPORT - Torque shaft center	2	
-34	86630-02		* CHANNEL - Tunnel, side, left	1	
	86630-03		* CHANNEL - Tunnel, side, right	1	
-35	62551-00		* CHANNEL - Lower cockpit, left	1	
	62551-01		* CHANNEL - Lower cockpit, right	1	
-36	86615-02		* CHANNEL - Sta. 67.68, left	1	
	86615-03		* CHANNEL - Sta. 67.68, right	1	
-37	86676-02		* CHANNEL - Lower cockpit, left	1	
	35760-00		* CHANNEL - Lower cockpit, right	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
11-38	35761-00		* CHANNEL - Lower cockpit, right	1	
	35761-01		* CHANNEL - Lower cockpit, left	1	
-39	35762-00		* CHANNEL - Lower cockpit, right	1	
	35762-01		* CHANNEL - Lower cockpit, left	1	
-40	62620-00		* BRACKET - Pulley	2	
-41	96086-00		* BRACKET ASSEMBLY - Cowl flap control	1	
-42	86632-02		* BRACKET ASSEMBLY - Tunnel	1	
-43	96887-02		* BRACKET - Seat belt attachment, left	1	
	96887-00		* BRACKET - Seat belt attachment, right	1	
-44	79319-00		* BRACKET - Seat belt attachment	1	
-45	86618-03		* BRACKET - Lower cockpit, left	1	
	86618-02		* BRACKET - Lower cockpit, right	1	
-46	36565-03		* DOUBLER ASSEMBLY - Transponder antenna access	1	
-47	86470-04		* BRACKET - Anchor, push-pull, left	1	
	86470-05		* BRACKET - Anchor, push-pull, right	1	
-48	86470-06		* BRACKET - Anchor, push-pull, left	1	
	86470-07		* BRACKET - Anchor, push-pull, right	1	
-49	86644-02		* PLATE - Tunnel, top, front	1	
-50	62583-00		* PLATE - Flap torque tube support, left	1	
	62583-01		* PLATE - Flap torque tube support, right	1	
-51	36565-02		* PLATE - Transponder antenna access	1	
-52	63882-81		* COVER - Teflon	1	
-53	96890-02		* HAT ASSEMBLY - Seat belt attachment, left	1	
	96890-03		* HAT ASSEMBLY - Seat belt attachment, right	1	
-54	62421-00		* FITTING - Flap torque tube assembly, left	1	
	62421-01		* FITTING - Flap torque tube assembly, right	1	
-55	62441-00		* FITTING - Lower cockpit, left	1	
	62441-01		* FITTING - Lower cockpit, right	1	
-56	62542-00		* GUSSET - Lower cockpit, left	1	
	62542-01		* GUSSET - Lower cockpit, right	1	
-57	65126-00		* STIFFENER - Lower cockpit, right	1	
-58	65126-01		* STIFFENER - Lower cockpit, left	1	
-59	62525-02		* STRINGER - Rear of spar box, left	1	
	62525-03		* STRINGER - Rear of spar box, right	1	
-60	62603-00		* ANGLE - Tunnel, heat duct, left	1	
	62603-01		* ANGLE - Tunnel, heat duct, right	1	
-61	86577-02		* ANGLE - Slide support	2	
-62	86578-02		* ANGLE - Cable support	1	
-63	99417-00		* ANGLE - Heat duct	4	
-64	99420-00		* CLIP - Tunnel, heat duct, left	2	
	99420-01		* CLIP - Tunnel, heat duct, right	2	
-65	86631-05		* SPAR - Tube	1	
-66	401 289		* BOLT - (AN3-63A)	1	
	407 584	W	* WASHER - (AN960-10L)	2	
	404 887	W	* NUT - (MS20365-1032C)	1	
-67	415 322		* BOLT - (MS27039-1-12)	4	
	407 694		* WASHER - (AN960-D10)	8	
	404 887	W	* NUT - (MS20365-1032C)	4	
-68	415 323		* BOLT - (MS27039-1-13)	8	
	407 694		* WASHER - (AN960-D10)	16	
	404 887	W	* NUT - (MS20365-1032C)	8	
-69	86737-02		* CHANNEL - Fuselage, right	1	
-70	86233-03		BRACKET ASSEMBLY - Fuel selector	1	
-71	96684-00		FLOORBOARD - Sta. 74 to Sta. 105	2	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
11-72	79258-00		BRACKET ASSEMBLY - Rudder pedal stop, left	1	
	79258-01		BRACKET ASSEMBLY - Rudder pedal stop, right	1	
-73	86624-02		COVER ASSEMBLY -Tunnel	1	
-74	86643-02		COVER - Tunnel, forward	1	
-75	76123-04		FLOORBOARD - Front, left	1	
	76123-05		FLOORBOARD - Front, right	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

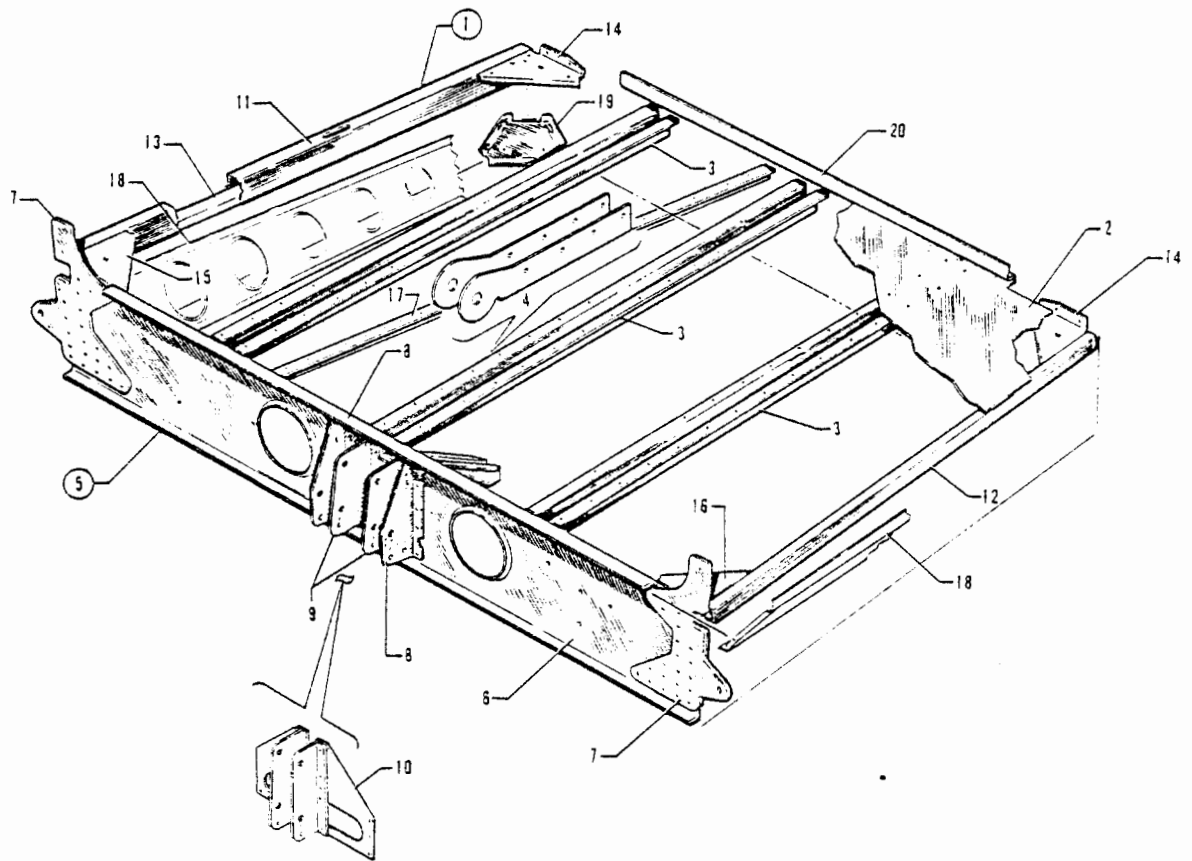


Figure 12. Fuselage Lower Aft Cockpit Assembly

REVISED: MARCH 1980

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PA-44-180
PA-44-130T

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 12

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
12-1	86601-300		LOWER COCKPIT ASSEMBLY - Aft	1	
-2	66795-00		* FLOOR - Baggage compartment	1	
-3	62531-00		* HAT - Baggage floor	3	
-4	99699-00		* CHANNEL - Seat belt attachment	1	
-5	62695-04		* FRAME ASSEMBLY - Lower, Sta. 128.737	1	
-6	62411-02		* * CHANNEL - Lower cockpit	1	
-7	62448-02		* * FITTING - Lower cockpit, left	1	
	62448-03		* * FITTING - Lower cockpit, right	1	
-8	62563-02		* * BRACKET - Lower cockpit, left	1	
	62563-01		* * BRACKET - Lower cockpit, right	1	
-9	35142-00		* * BRACKET - Rear seat belt support, left	1	
	35142-01		* * BRACKET - Rear seat belt support, right	1	
-10	99701-00		* * DOUBLER - Seat belt attachment	1	
-11	66796-00		* CHANNEL - Baggage compartment, right	1	
-12	62537-00		* STRINGER ASSEMBLY - Left	1	
-13	62534-00		* CHANNEL - Right	1	
-14	62618-00		* BRACKET - Baggage compartment, left	1	
	62618-01		* BRACKET - Baggage compartment, right	1	
-15	62619-00		* BRACKET - Baggage compartment, right	1	
-16	62529-00		* BRACKET - Baggage compartment, left	1	
-17	86721-02		* STIFFENER - Baggage compartment	1	
-18	65128-00		* DOUBLER - Baggage compartment, left	1	
	65128-01		* DOUBLER - Baggage compartment, right	1	
-19	65383-00		* DOUBLER ASSEMBLY - Step	1	
-20	62859-00		ANGLE - Lower cockpit	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

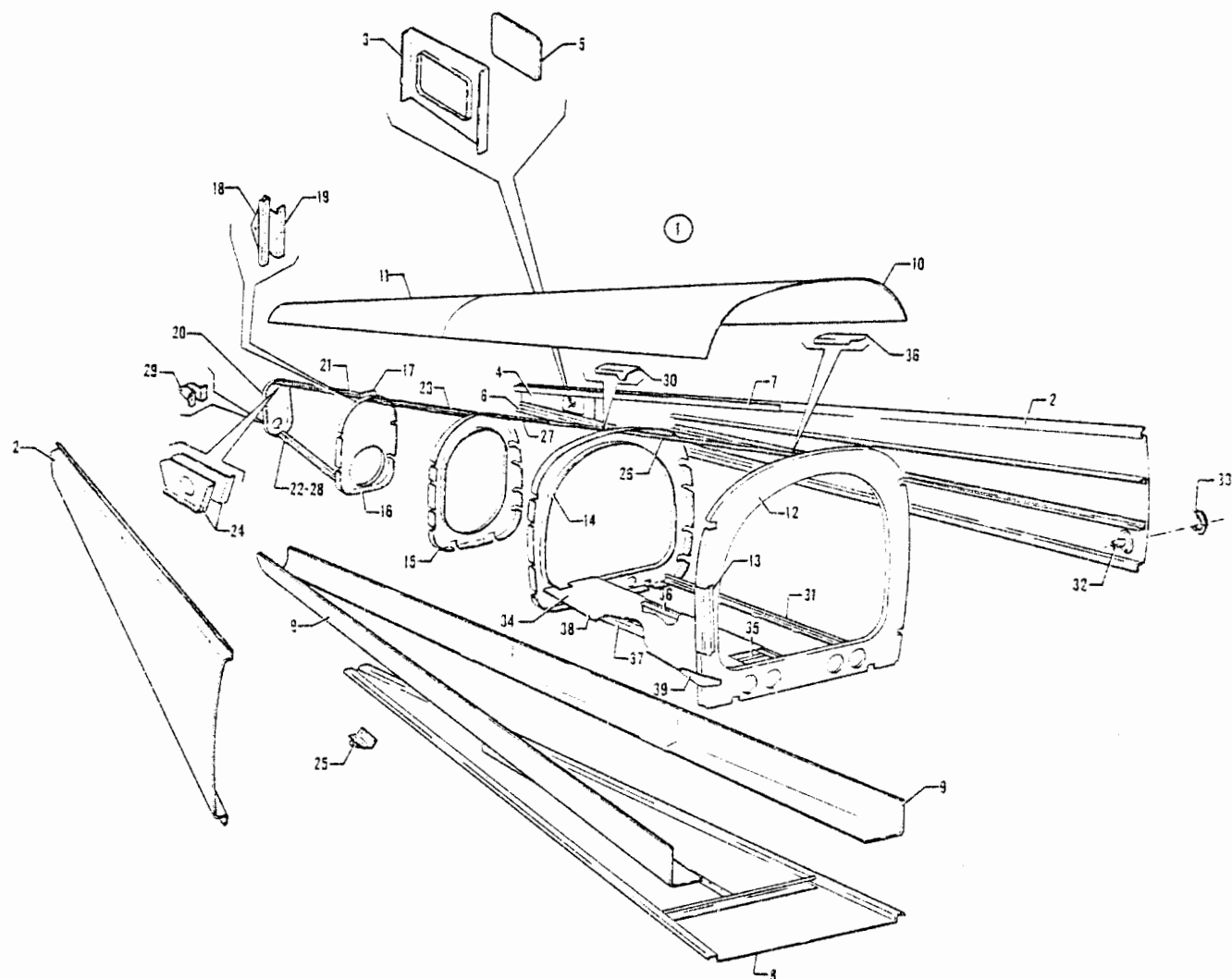


Figure 13. Fuselage Aft Section

REVISED: APRIL 1981

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PA-44-180
PA-44-180T

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 13

- A - When ordering, specify serial number of aircraft. Also specify with or without provisions for air conditioning.
- B - Used on PA-44-180 only.
- C - Used on PA-44-180T only.
- D - Used on PA-44-180 with serial numbers 44-8095001 and up, and PA-44-180T.
- E - Used on PA-44-180 with serial numbers 44-8195001 and up, and PA-44-180T with serial numbers 44-8107027 and up.
- F - Used if air conditioning is installed.
- G - If part being replaced is a one piece skin, order one each of forward and aft skins.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
13-	86463		DRAWING - Fuselage Assembly. Aft Section		
-1	86463-02	A,B	FUSELAGE ASSEMBLY - Aft section	1	
	86463-918	A,C	FUSELAGE ASSEMBLY - Aft section	1	
-2	86480-02	B	* SKIN ASSEMBLY - Side, left	1	44-7995001 to 44-7995353 incl.
	86480-800	D	* SKIN ASSEMBLY - Side, left	1	
	86480-03		* SKIN ASSEMBLY - Side, right	1	
-3	86480-10		* * DOUBLER - Access cover	1	
-4	86480-06		* * DOUBLER - Skin	1	
-5	86480-15		* * COVER - Access	1	
-6	86480-12		* * ZEE - Aft fuselage skin, lower left	1	
	86480-11		* * ZEE - Aft fuselage skin, lower right	1	
-7	86480-14		* * ZEE - Aft fuselage skin, upper left	1	
	86480-13		* * ZEE - Aft fuselage skin, upper right	1	
-8	86485-02		* SKIN ASSEMBLY - Lower, center	1	
	86485-811	E,F	* SKIN ASSEMBLY - Lower, center	1	
-9	86486-04	G	* SKIN - Lower side, left, forward	1	
	86486-05	G	* SKIN - Lower side, right, forward	1	
	86486-06	G	* SKIN - Lower side, left, aft	1	
	86486-07	G	* SKIN - Lower side, right, aft	1	
-10	86488-02		* SKIN - Top center, forward	1	
-11	86489-02		* SKIN - Top center	1	
-12	65640-06		* BULKHEAD ASSEMBLY - Fuselage, Sta. 156	1	
-13	62630-00		* * CHANNEL - Baggage door, right	1	
-14	86460-02		* BULKHEAD ASSEMBLY - Fuselage, Sta. 191	1	
-15	86461-02		* BULKHEAD ASSEMBLY - Fuselage, Sta. 219	1	
-16	86462-02		* BULKHEAD ASSEMBLY - Fuselage, Sta. 247	1	
-17	86462-04		* * FITTING - Frame	1	
-18	86477-02		* * BRACKET - Pulley, left	1	
	86477-03		* * BRACKET - Pulley, right	1	
-19	86476-02		* * BRACKET - Pulley, left	1	
	86476-03		* * BRACKET - Pulley, right	1	
-20	86490-03		* BULKHEAD ASSEMBLY - Fuselage, Sta. 274	1	
-21	86482-02		* HAT ASSEMBLY - Aft fuselage, top, rear	1	
-22	86491-02		* HAT - Aft fuselage, bottom, center	1	
-23	86492-03		* HAT ASSEMBLY - Aft fuselage, top, center	1	
-24	86493-02		* BRACKET ASSEMBLY - Stabilator bellcrank, left	1	
	86493-03		* BRACKET ASSEMBLY - Stabilator bellcrank, right	1	
-25	66769-04		* SKID ASSEMBLY - Tail	1	
-26	65114-00		* STRINGER - Top, Sta. 156 to Sta. 191	1	
-27	86494-02		* STRINGER - Top, Sta. 191 to Sta. 219	1	
-28	86491-03		* DOUBLER - Aft fuselage, bottom	1	
-29	86294-02		* BRACKET - Pulley, left	1	
	86294-03		* BRACKET - Pulley, right	1	
-30	99813-02		* DOUBLER - Antenna mount, forward	1	
	99805-03		* DOUBLER - Antenna mount, aft	1	
-31	86721-05		* STIFFENER	1	
-32	99609-00	E,F	* VENT ASSEMBLY - Evaporator	1	
-33	22482-00	E,F	* SCOOP - Air	1	
-34	67367-00		SHELF ASSEMBLY - Battery	1	
-35	62465-00		* CHANNEL - Battery shelf, front	2	
-36	62463-00		* CHANNEL - Battery shelf, inboard	1	
-37	62464-00		* CHANNEL - Battery shelf, outboard	1	
-38	79453-00		* WEB - Battery shelf	1	
-39	68991-00		GUSSET - Aft fuselage	2	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

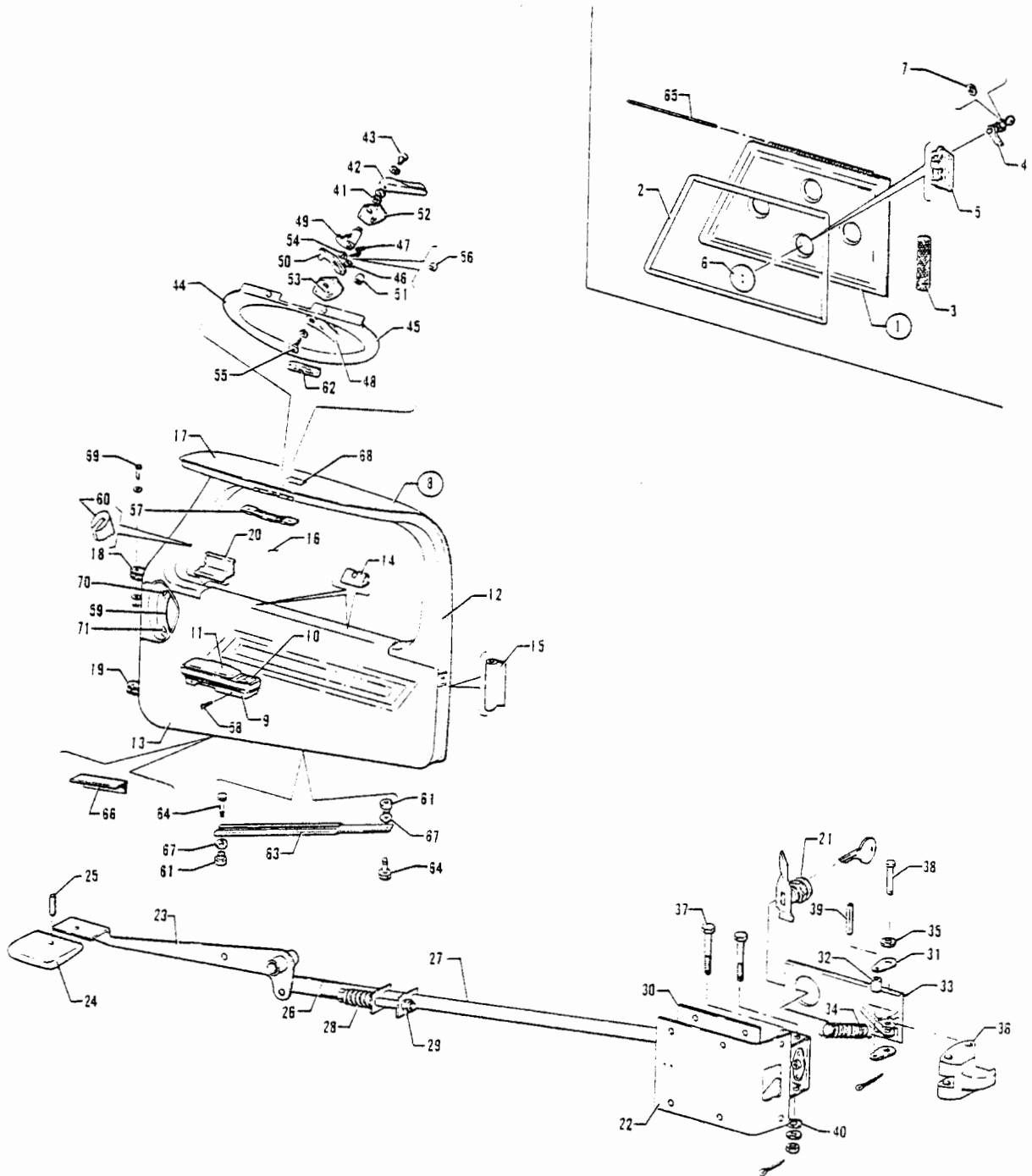


Figure 14. Fuselage Cabin and Baggage Door Installation

REVISED: JANUARY 1982

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PA-44-180
PA-44-180T

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 14

- A - If matching door locks are desired, order Kit 87329-06.
- B - Complete door assembly not available. Order component parts.
- C - When ordering, specify color "bark II" or black.
- D - Used with door latch hook assembly that has a 3/8 O. D. welded stud.
- E - Used with door latch hook assembly that has a 1/4 O. D. welded stud and 3/8 O. D. removable roller.
- F - Used on PA-44-180 only.
- G - Used on PA-44-180 with serial numbers 44-7995295 and up, and PA-44-180T.
- H - Used on PA-44-180 with serial numbers 44-8095001 and up, and PA-44-180T.
- J - Used on PA-44-180 with serial numbers 44-8095023 and up, and PA-44-180T.
- K - Used on PA-44-180 with serial numbers 44-8195001 and up, and PA-44-180T with serial numbers 44-8107027 and up.
- L - Used on PA-44-180 with serial numbers 44-8295001 and up, and PA-44-180T with serial numbers 44-8207001 and up.
- W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
14-	79546		DRAWING - Doors Installation		
	36722	J	DRAWING - Door Snubber Installation		
-1	66793-18		DOOR ASSEMBLY - Baggage compartment (Bonded)	1	
-2	19063-02	W	* MOULDING - Baggage door (quarter-round type)	9'	
	189 139		* MOULDING - Baggage door (bulb type)	9'	
-3	65440-02		* STRAP ASSEMBLY - Baggage door	1	
-4	87329-08	A	* LOCK ASSEMBLY - Baggage door	1	
-5	472 010		* LATCH - Push button (H38-.064-.460)	1	
-6	12761-02	W	* COVER ASSEMBLY - Lock access (4.75 dia.)	1	
	79452-02		* COVER - Lock access (5.75 dia.)	1	
-7	21176-00		* SPACER - Door lock	1	
-8	79545-03	B	DOOR ASSEMBLY - Complete	1	
-9	66710-17		* HOLDER ASSEMBLY - Armrest	1	
-10	763 003		* * BOX ASSEMBLY - Ash tray (S-25-AR-C)	1	
-11	580 731		* PAD - Armrest, camel	1	
	579 507	F	* PAD - Armrest, olivetone	1	44-7995001 to 44-7995353 incl.
	579 508	F	* PAD - Armrest, midnight blue	1	44-7995001 to 44-7995294 incl.
	579 228	K	* PAD - Armrest, dark blue (vinyl)	1	
	579 474	G	* PAD - Armrest, dark blue (velour)	1	
	579 509	F	* PAD - Armrest, black	1	44-7995001 to 44-7995353 incl.
	575 510	F	* PAD - Armrest, tan	1	44-7995001 to 44-7995353 incl.
	579 227	K	* PAD - Armrest, firethorn red (vinyl)	1	
	579 472	H	* PAD - Armrest, firethorn red (velour)	1	
	579 473	H	* PAD - Armrest, buckskin	1	
	579 226	K	* PAD - Armrest, dark cedar (knit)	1	
	579 115	L	* PAD - Armrest, dark cedar (velour)	1	
	579 113	L	* PAD - Armrest, dark carmine	1	
	579 114	L	* PAD - Armrest, sandalwood	1	
-12	79542-04		* COVER - Cabin door, upper	1	
-13	579 410		* PANEL ASSEMBLY - Cabin door trim, white/camel/black	1	
	579 559	F	* PANEL ASSEMBLY - Cabin door trim, olivetone	1	44-7995001 to 44-7995353 incl.
	579 560	F	* PANEL ASSEMBLY - Cabin door trim, midnight blue	1	44-7995001 to 44-7995294 incl.
	579 263	K	* PANEL ASSEMBLY - Cabin door trim, dark blue (vinyl)	1	
	579 316	G	* PANEL ASSEMBLY - Cabin door trim, dark blue (velour)	1	
	579 561	F	* PANEL ASSEMBLY - Cabin door trim, raspberry/black	1	44-7995001 to 44-7995353 incl.
	579 562	F	* PANEL ASSEMBLY - Cabin door trim, tan/seal	1	44-7995001 to 44-7995353 incl.
	579 262	K	* PANEL ASSEMBLY - Cabin door trim, firethorn red (vinyl)	1	
	579 338	H	* PANEL ASSEMBLY - Cabin door trim, firethorn red (velour)	1	
	579 339	H	* PANEL ASSEMBLY - Cabin door trim, buckskin	1	
	579 261	K	* PANEL ASSEMBLY - Cabin door trim, dark cedar (knit)	1	
	579 082	L	* PANEL ASSEMBLY - Cabin door trim, dark cedar (velour)	1	
	579 080	L	* PANEL ASSEMBLY - Cabin door trim, dark carmine	1	
	579 081	L	* PANEL ASSEMBLY - Cabin door trim, sandalwood	1	
-14	99943-00		* RETAINER - Side panel	2	
-15	189 139		* MOULDING - Cabin door (bulb type)	13'	
-16	79475-20		* WINDOW - Cabin door (.080 thick) clear	1	
	79475-59		* WINDOW - Cabin door (.125 thick) clear	1	
	79475-58		* WINDOW - Cabin door (.080 thick) tinted	1	
	79475-60		* WINDOW - Cabin door (.125 thick) tinted	1	
-17	79475-16		* DOOR ASSEMBLY - Cabin	1	
-18	79475-07		* * HINGE - Cabin door, upper	1	
-19	79475-08		* * HINGE - Cabin door, lower	1	
-20	79475-22		* * RETAINER - Window	1	
-21	87329-07	A	* * LOCK ASSEMBLY - Cabin door	1	
-22	79515-35		* * COVER - Cabin door latch	1	
-23	79515-13		* * HANDLE - Cabin clear	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
14-24	79647-02		* * KNOB - Door handle	1	
-25	416 369		* * SCREW - Set (AN565DC416-H4)	1	
-26	79515-04		* * LATCH ASSEMBLY - Door	1	
-27	79515-06		* * * TUBE ASSEMBLY - Door latch	1	
-28	587 398		* * * * SPRING - Door latch tube (PS10087-2-1)	1	
-29	400 112	W	* * * * BOLT - (AN4-17)	1	
	407 565	W	* * * * WASHER - (AN960-416)	3	
	404 101	W	* * * * NUT - (AN310-4)	1	
	424 051	W	* * * * COTTER PIN - (MS24665-132)	1	
-30	79515-07		* * * BOX ASSEMBLY - Door latch	1	
-31	79515-08		* * * LINK - Door latch mechanism	2	
-32	79515-15		* * * BUSHING - Door latch mechanism	1	
-33	79530-02		* * * HANDLE - Door latch mechanism	1	
-34	587 381		* * * SPRING - (EO240-037-1750S)	1	
-35	62833-105		* * * WASHER - Door latch mechanism	1	
-36	79532-02		* * * LATCH - Cabin door	1	
-37	400 665		* * * BOLT - (AN21-31)	2	
	407 562	W	* * * WASHER - (AN960-6)	2	
	404 391		* * * NUT - (AN320-1)	2	
	424 041		* * * COTTER PIN - (MS24665-5)	2	
-38	424 178	W	* * * PIN - (MS20392-2C-19)	1	
	424 041		* * * COTTER PIN - (MS24665-5)	1	
-39	480 800		* * * PIN - Spring (MS9048-111)	1	
-40	407 582		* * * WASHER - (AN960-6L)	2	
-41	62833-21		* WASHER - Neoprene	1	
-42	63039-00		* HANDLE - Door, auxiliary latch	1	
-43	419 918	W	* SCREW - (8 x 1/2 L, Type "B" Truss)	1	
	407 677		* WASHER - (AN960-C516L)	1	
	407 680	W	* WASHER - (AN960-C816)	1	
-44	36598-02		* LATCH ASSEMBLY - Door, auxiliary	1	
-45	79475-34		* * PAN - Door latch, white	1	
-46	62833-06		* * WASHER	1	
-47	63045-00		* * SPRING - Door latch	1	
-48	36590-02		* * HANDLE - Door, auxiliary	1	
-49	63042-03		* * CAM - Door latch	1	
-50	63036-03		* * HOOK ASSEMBLY - Door latch (with 3/8 O. D. welded stud)	1	
	63036-04		* * HOOK ASSEMBLY - Door latch (with 1/4 O. D. welded stud)	1	
-51	63900-50		* * BUSHING	3	
-52	68179-00	D	* * PLATE - Door latch	1	
	68179-07	E	* * PLATE - Door latch	1	
-53	68179-02	D	* * PLATE - Door latch	1	
	68179-08	E	* * PLATE - Door latch	1	
-54	407 680	W	* * WASHER - (AN960C816)	1	
-55	415 378		* * SCREW - (MS51957-45)	1	
	407 586	W	* * WASHER - (AN960-516L)	1	
-56	36572-03		* * ROLLER - Door latch	1	
-57	464 412		* HANDLE - Door, assist (PS10091-1)	1	
-58	419 594		* SCREW - (AN530-10R36)	2	
-59	79542-06	C	* PAN - Door latch	1	
-60	99997-00		* EXTRUSION - Vinyl	7'	
-61	63020-02		BUSHING - Door holder	2	
-62	68555-05		PLACARD - Door lock	1	
-63	65727-00		DOOR HOLDER ASSEMBLY	1	
-64	400 862		BOLT - (AN23-10A)	2	
-65	62400-02		PIN - Baggage door hinge	1	
-66	36722-04	J	SEAL - Door snubber (150" long)	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
14-67	62833-39		WASHER - Door holder (neoprene)	2	
-68	87334-02		PLACARD - Door release	1	
-69	424 204		PIN - (MS20392-3C13)	2	
	407 585	W	WASHER - (AN960-416L)	4	
	424 051	W	COTTER PIN - (MS24665-132)	2	
-70	69669-117		PLACARD - Open	1	
-71	69669-118		PLACARD - Latch	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

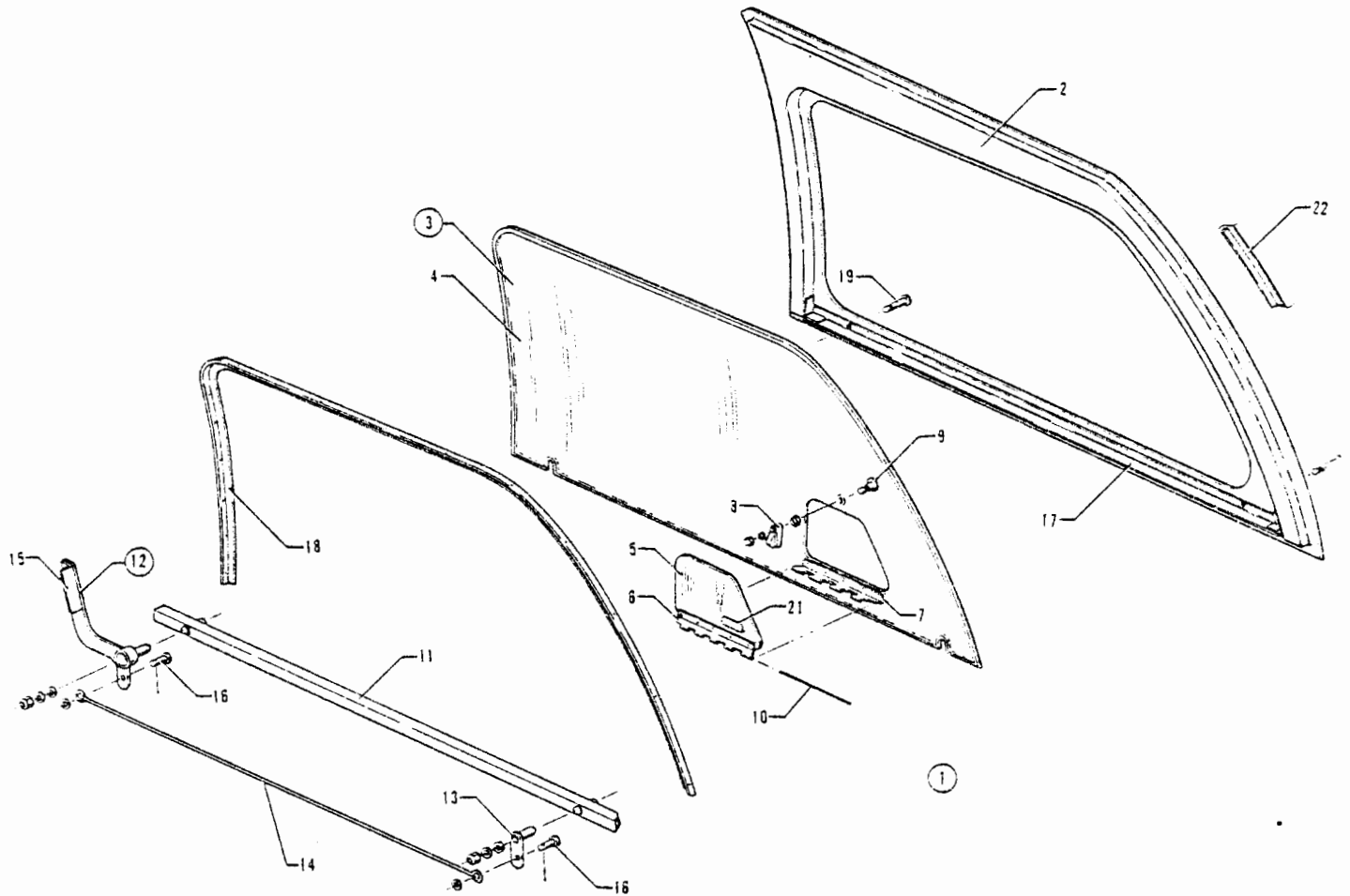


Figure 15. Fuselage Emergency Exit Door Assembly and Installation

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 15

A - When ordering, specify clear or tinted window.

W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
15-	86622		DRAWING - Emergency Exit Door Installation		
-1	86602-02	A	DOOR ASSEMBLY - Emergency exit	1	
-2	86602-03		* FRAME ASSEMBLY - Door	1	
-3	86608-02		* WINDOW ASSEMBLY - Door, clear	1	
	86608-03		* WINDOW ASSEMBLY - Door, tinted	1	
-4	86608-04		* * WINDOW - Door, clear	1	
	86608-05		* * WINDOW - Door, tinted	1	
-5	65896-00		* * WINDOW ASSEMBLY - Storm, clear	1	
	65896-02		* * WINDOW ASSEMBLY - Storm, tinted	1	
-6	65895-00		* * * HINGE HALF	1	
-7	65782-00		* * HINGE HALF - Storm window	1	
-8	65742-00		* * LATCH - Storm window	1	
-9	79572-00		* * SCREW - Storm window attachment	1	
	408 826	W	* * WASHER - Shakeproof (3502-10-71)	1	
	407 041		* * WASHER - (MS35338-41)	1	
	477 696		* * NUT - Dome (8061-NP)	1	
-10	63744-09		* * PIN - Hinge	1	
-11	86763-02		* TUBE ASSEMBLY - Emergency door	1	
-12	86762-02		* LATCH ASSEMBLY - Emergency door	1	
-13	86762-03		* * ARM ASSEMBLY - Door latch	1	
-14	86762-12		* * ROD ASSEMBLY - Door latch	1	
-15	86762-08		* * HANDLE ASSEMBLY - Door latch	1	
-16	424 174		* * PIN - (MS20392-2C11)	2	
	407 584	W	* * WASHER - (AN960-10L)	2	
	424 032	W	* * COTTER PIN - (MS24665-170)	2	
-17	86602-14		* RETAINER - Emergency exit door, lower	1	
-18	86607-03		* RETAINER - Emergency exit door, upper	1	
-19	400 916	W	* BOLT - (AN24-26A)	1	
	407 565	W	* WASHER - (AN960-416)	2	
	404 888	W	* NUT - (MS20365-428C)	1	
-20	400 711	W	* BOLT - (AN24-26)	1	
	407 565	W	* WASHER - (AN960-416)	2	
	404 393	W	* NUT - (AN320-4)	1	
	424 051	W	* COTTER PIN - (MS24665-132)	1	
-21	69669-141		PLACARD - Storm window	1	
-22	189 139		SEAL - Window (bulb type)	10	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

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PIPER PARTS CATALOG

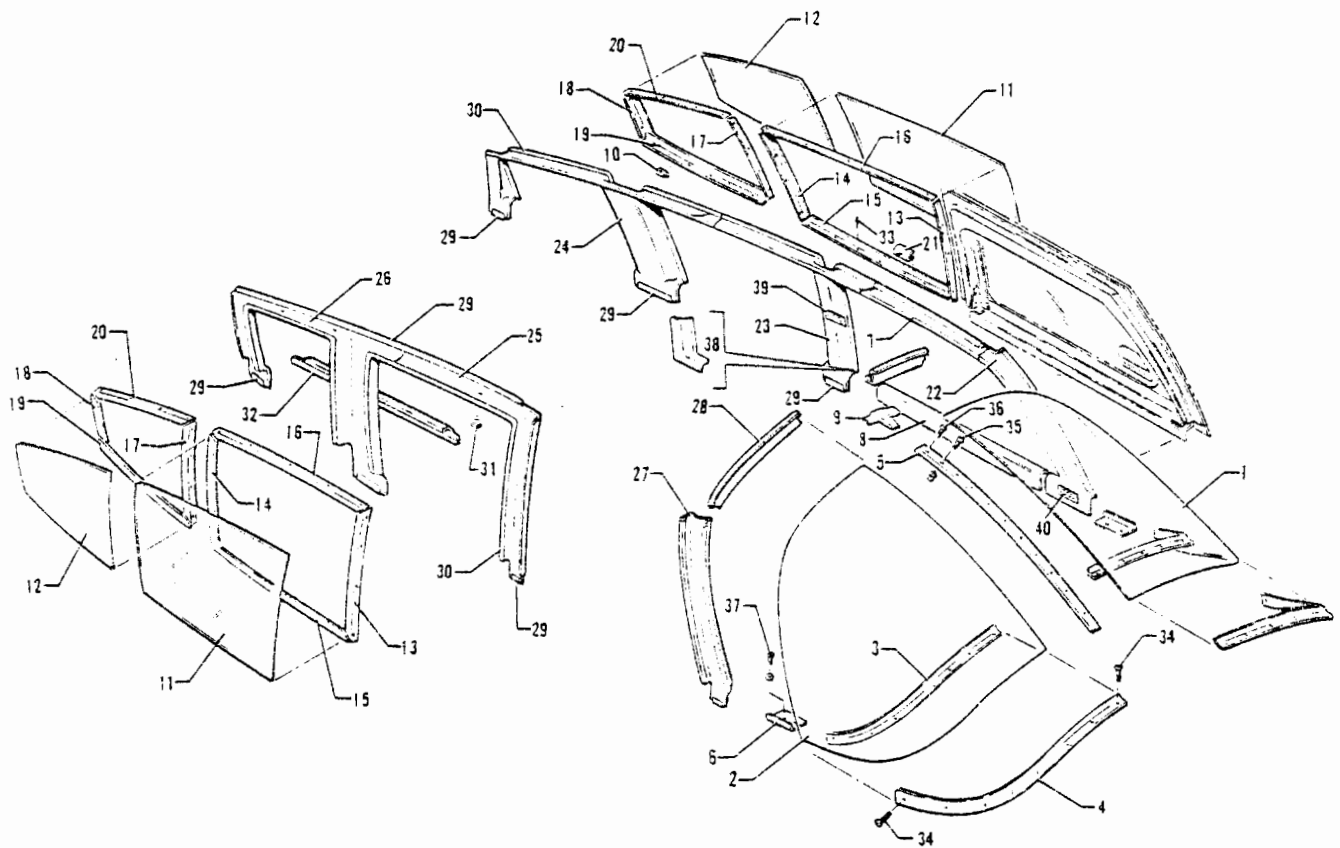


Figure 16. Fuselage Enclosure Installation

REVISED: MARCH 1980

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 16

- A - Used if gray tinted windshield and windows are installed.
- B - Used on PA-44-180 only.
- C - Used on PA-44-180 with serial numbers 44-7995295 and up, and PA-44-180T.
- D - Used on PA-44-180 with serial numbers 44-8095001 and up, and PA-44-180T.
- E - Used on PA-44-180 with serial numbers 44-8195001 and up, and PA-44-180T with serial numbers 44-8107001 and up.
- W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
16-	63070 76361 86733		DRAWING - Windshield Installation DRAWING - Window Installation DRAWING - Window Frame Installation		
-1	63070-46 79296-16 63072-42 79296-18	A A	WINDSHIELD - Left (.125 thick) WINDSHIELD - Left (.250 thick) WINDSHIELD - Left (.125 thick) WINDSHIELD - Left (.250 thick)	1 1 1 1	
-2	63070-45 79296-17 63070-41 79296-19	A A	WINDSHIELD - Right (.125 thick) WINDSHIELD - Right (.250 thick) WINDSHIELD - Right (.125 thick) WINDSHIELD - Right (.250 thick)	1 1 1 1	
-3	63070-43 63070-44		COLLAR - Inside, left COLLAR - Inside, right	1 1	
-4	63070-11 63070-05		COLLAR - Outside, left COLLAR - Outside, right	1 1	
-5	79557-00		TRIM STRIP - Windshield, center	1	
-6	79154-00 79155-00		RETAINER - Windshield moulding, left RETAINER - Windshield moulding, right	1 1	
-7	86733-05		COVER ASSEMBLY - Window frame, front, top, left	1	
-8	86733-06		COVER ASSEMBLY - Window frame, front, top, lower, left	1	
-9	67556-04		TRIM - Windshield, white	1	
-10	78086-00		RETAINER - Side panel	2	
-11	76275-03 76275-04 76276-03 76276-04	A A A	WINDOW - Center, left (.125 thick) WINDOW - Center, left (.125 thick) WINDOW - Center, right (.125 thick) WINDOW - Center, right (.125 thick)	1 1 1 1	
-12	76277-03 76277-04 76278-03 76278-04	A A A	WINDOW - Rear, left (.125 thick) WINDOW - Rear, left (.125 thick) WINDOW - Rear, right (.125 thick) WINDOW - Rear, right (.125 thick)	1 1 1 1	
-13	76264-00 63071-18		RETAINER - Center window, front, left RETAINER - Center window, front, right	1 1	
-14	76267-00 76267-01		RETAINER - Center window, rear, left RETAINER - Center window, rear, right	1 1	
-15	76268-00 76269-00		RETAINER - Center window, bottom, left RETAINER - Center window, bottom, right	1 1	
-16	76265-00 76266-00		RETAINER - Center window, top, left RETAINER - Center window, top, right	1 1	
-17	76270-00 76270-01		RETAINER - Rear window, front, left RETAINER - Rear window, front, right	1 1	
-18	76272-00 76272-01		RETAINER - Rear window, rear, left RETAINER - Rear window, rear, right	1 1	
-19	76273-00 76274-00		RETAINER - Rear window, bottom, left RETAINER - Rear window, bottom, right	1 1	
-20	76271-00		RETAINER - Rear window, top	2	
-21	99943-00		RETAINER - Side panel	9	
-22	86733-14		COVER ASSEMBLY - Window frame, front, left	1	
-23	86733-04		COVER ASSEMBLY - Window frame, center, left	1	
-24	79171-10		COVER ASSEMBLY - Window frame, rear, left	1	
-25	79171-08		COVER ASSEMBLY - Window frame, center, right	1	
-26	79171-09		COVER ASSEMBLY - Window frame, rear, right	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
16-27	79171-13		COVER ASSEMBLY - Windshield bow, lower, right	1	
-28	63149-20		COVER - Windshield bow, upper, left	1	
	63149-21		COVER - Windshield bow, upper, right	1	
-29	78057-00		RETAINER - Window frame, extrusion	12'	
-30	99997-00		EXTRUSION - Vinyl	63'	
-31	581 928		PLUG - (207-200201-00-0103)	10	
-32	556 315	E	COVER ASSEMBLY - Window sill, white	1	
	556 119		COVER ASSEMBLY - Window sill, camel	1	
	556 266	B	COVER ASSEMBLY - Window sill, olivetone	1	44-7995001 to 44-7995353 incl.
	556 267	B	COVER ASSEMBLY - Window sill, midnight blue	1	44-7995001 to 44-7995294 incl.
	556 941	E	COVER ASSEMBLY - Window sill, dark blue (vinyl)	1	
	556 713	C	COVER ASSEMBLY - Window sill, dark blue (velour)	1	
	556 268	B	COVER ASSEMBLY - Window sill, raspberry	1	44-7995001 to 44-7995353 incl.
	556 269	B	COVER ASSEMBLY - Window sill, tan	1	44-7995001 to 44-7995353 incl.
	556 940	E	COVER ASSEMBLY - Window sill, firethorn red (vinyl)	1	
	556 693	D	COVER ASSEMBLY - Window sill, firethorn red (velour)	1	
	556 694	D	COVER ASSEMBLY - Window sill, buckskin	1	
	556 939	E	COVER ASSEMBLY - Window sill, dark cedar (knit)	1	
	557 059	F	COVER ASSEMBLY - Window sill, dark cedar (velour)	1	
	557 057	F	COVER ASSEMBLY - Window sill, dark carmine	1	
	557 058	F	COVER ASSEMBLY - Window sill, sandalwood	1	
-33	419 641		SCREW - (4 x 1/2" L) Type "A" Truss	70	
-34	486 286	W	SCREW - (NAS601-8P)	26	
-35	415 536	W	SCREW - (MS35206-246)	8	
	406 863	W	RIVNUT - (A8K-75)	8	
-36	415 544	W	SCREW - (MS35206-244)	1	
-37	419 681		SCREW - (PS10012-4)	4	
	494 001	W	WASHER - (PS10016-4)	4	
-38	86733-06		COVER ASSEMBLY - Window frame	1	
-39	35669-56		PLACARD - Emergency exit door	1	
-40	35669-68		PLACARD - Strobe light warning	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

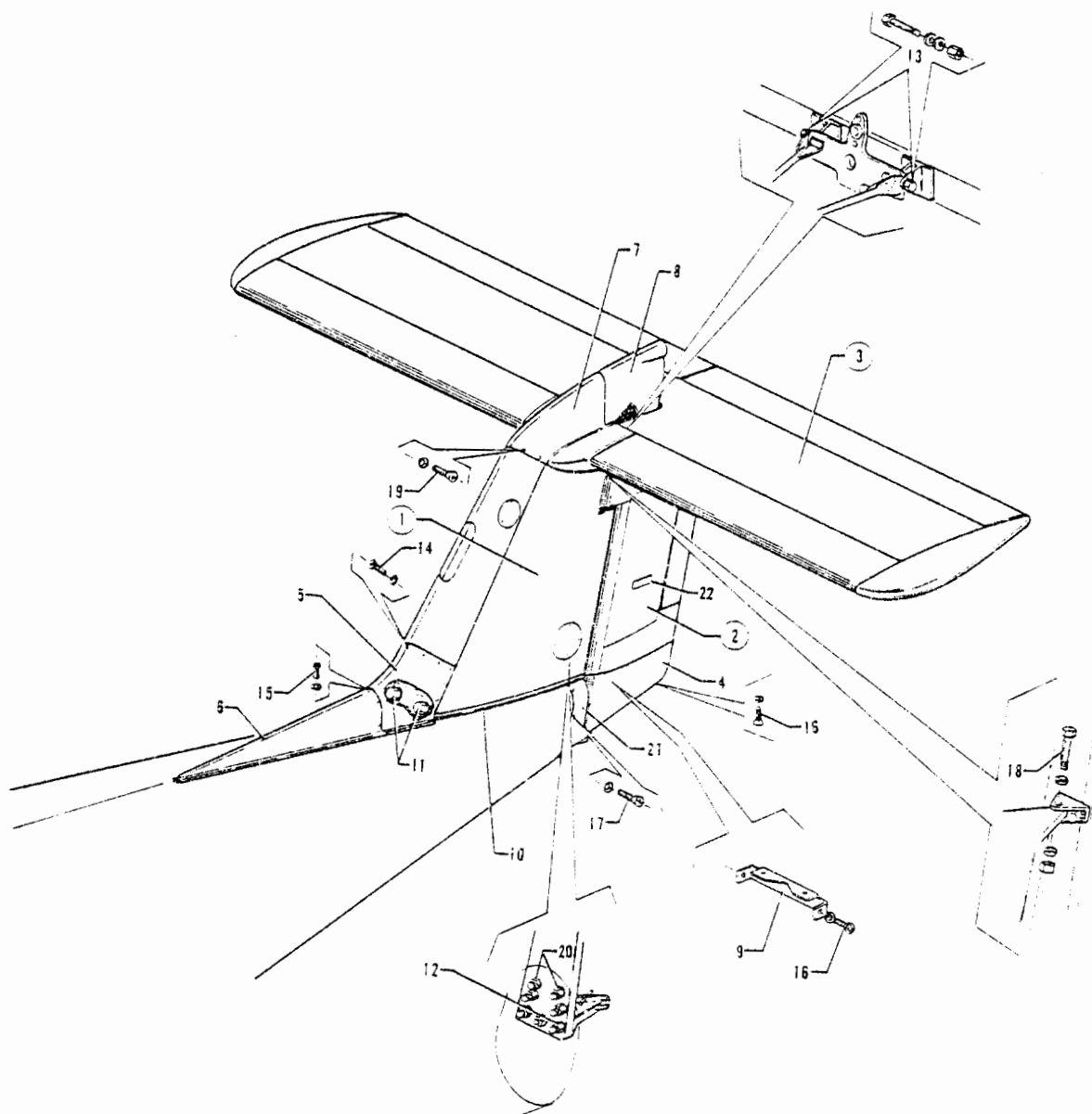


Figure 17 Tail Surfaces Installation

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 17

- A - See Figure 18 for component parts.
- B - See Figure 19 for component parts.
- C - See Figure 20 for component parts.
- D - Used on PA-44-180 only.
- E - Used on PA-44-180 with serial numbers 44-8095001 and up, and PA-44-180T.
- F - Used on PA-44-180 with serial numbers 44-7995001 to 44-8195040 inclusive, and PA-44-180T with serial numbers 44-8107001 to 44-8107076 inclusive. Also used on PA-44-180 with serial numbers 44-8295001 and up and PA-44-180T with serial numbers 44-8207001 and up if aircraft complies with United Kingdom requirements.
- G - Used on PA-44-180 with serial numbers 44-8295001 and up, and PA-44-180T with serial numbers 44-8207001 and up.
- W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
17-	38400		DRAWING - Stabilator Assembly and Installation		
	86497		DRAWING - Fin Assembly and Installation		
	86498		DRAWING - Tail Surfaces Installation		
	38349	F	DRAWING - Fin Tip Assembly and Installation		
	36716	G	DRAWING - Fin Tip Assembly and Installation		
	78913		DRAWING - Dorsal Fin Assembly and Installation		
-1	86497-03	A,D	FIN ASSEMBLY	1	44-7995001 to 44-7995353 Incl.
	86497-14	A,E	FIN ASSEMBLY	1	
-2	86499-02	B	RUDDER ASSEMBLY	1	
-3	38400-05	C	STABILATOR ASSEMBLY	1	
-4	86551-02		FAIRING - Rudder tip	1	
-5	78913-07		DORSAL FIN - Aft	1	
-6	78913-04		DORSAL FIN - Forward	1	
-7	38349-03		TIP - Fin, forward	1	
-8	38349-07	F	TIP - Fin, aft	1	
	36716-03	G	TIP - Fin, aft	1	
-9	86495-36		STRAP - Rudder fairing	1	
-10	86497-15		MOULDING - Fin, bottom	2	
-11	400 003	W	BOLT - (AN4-6A)	2	
	407 565	W	WASHER - (AN960-416)	2	
	407 585	W	WASHER - (AN960-416L)	2	
-12	401 186	W	BOLT - (AN5-6A)	5	
	407 566	W	WASHER - (AN960-516)	5	
	407 586	W	WASHER - (AN960-516L)	10	
	404 889	W	NUT - (MS20365-524C)	5	
-13	402 680		BOLT - (NAS1104-17)	2	
	407 565	W	WASHER - (AN960-416)	AR	
	407 585	W	WASHER - (AN960-416L)	AR	
	404 561		NUT - (MS21045-4)	2	
-14	414 779	W	SCREW - (MS24693-S49)	16	
	494 101	W	WASHER - (PS10092-1-2C)	16	
-15	415 533		SCREW - (MS35206-243)	4	
	407 583	W	WASHER - (AN960-3L)	4	
	477 673		WASHER - (PS10062-5-2)	4	
-16	410 241		SCREW - (MS24694-S6)	6	
	494 101	W	WASHER - (PS10092-1-2C)	6	
-17	411 514		SCREW - (MS35207-245)	8	
	407 583	W	WASHER - (AN960-8L)	8	
-18	401 270	W	BOLT - (AN3-11A)	1	
	407 584	W	WASHER - (AN960-10L)	AR	
	407 564	W	WASHER - (AN960-10)	AR	
	404 887	W	NUT - (MS20365-1032C)	1	
-19	510 058		SCREW - (NAS514P832-8)	16	
	494 101	W	WASHER - (PS10092-1-2C)	15	
-20	401 186	W	BOLT - (AN5-6A)	2	
	407 566	W	WASHER - (AN960-516)	2	
	407 586	W	WASHER - (AN960-516L)	2	
-21	86597-02		FAIRING - Tailcone tip	1	
-22	87341-02		PLACARD - Do not push	2	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

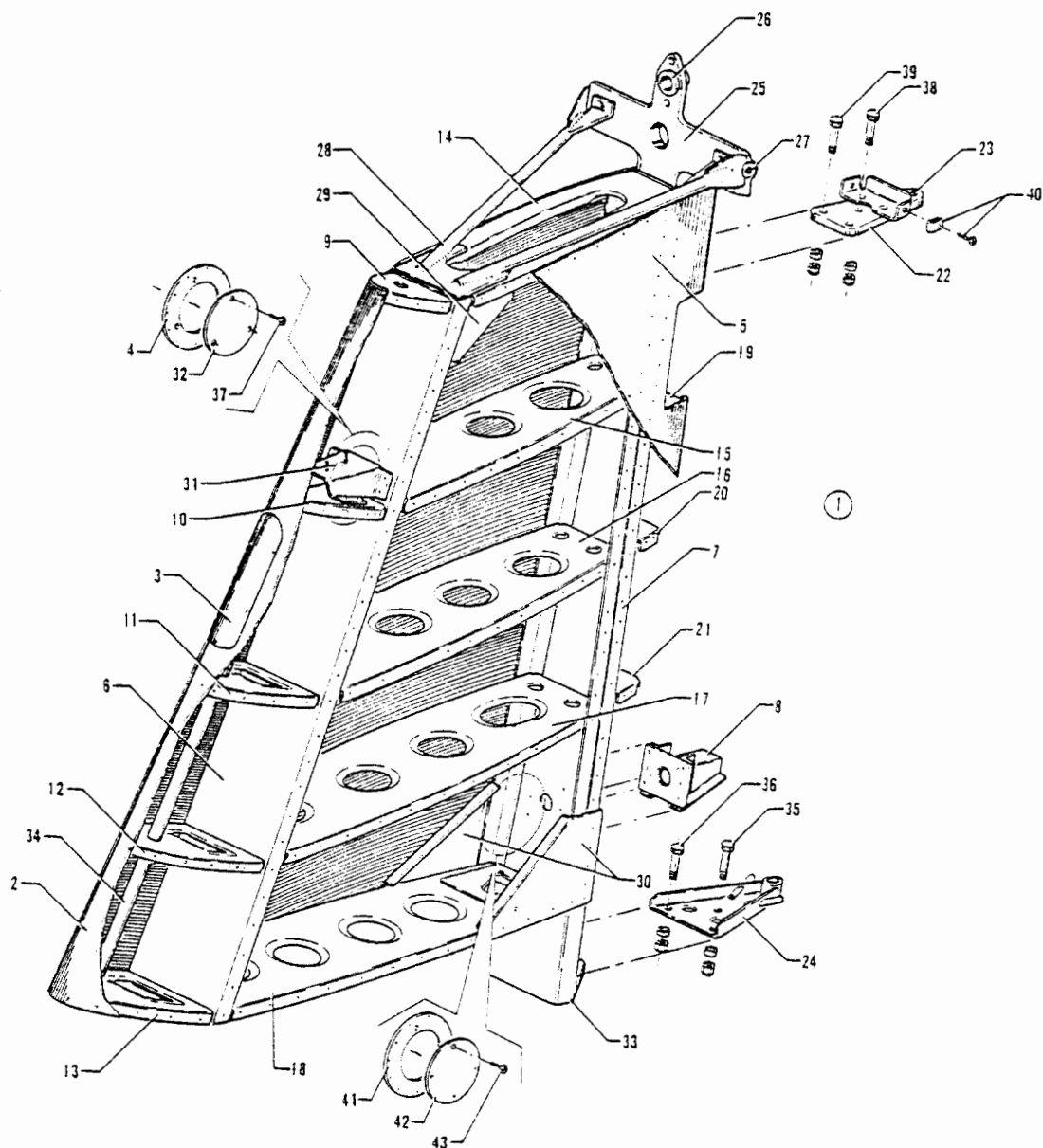


Figure 18. Fin Assembly

REVISED: MARCH 1980

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 13

A - Used on PA-44-180 only.

B - Used on PA-44-180 with serial numbers 44-8095001 and up, and PA-44-180T.

W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
18-	86497		DRAWING - Vertical Fin Assembly and Installation		
-1	86497-03	A	FIN ASSEMBLY	1	44-7995001 to 44-7995353 incl.
	86497-14	B	FIN ASSEMBLY	1	
-2	78908-04	A	* SKIN ASSEMBLY - Leading edge fin	1	44-7995001 to 44-7995353 incl.
	78908-26	B	* SKIN ASSEMBLY - Leading edge fin	1	
-3	78908-11	A	* COVER - Air inlet	1	44-7995001 to 44-7995353 incl.
-4	38382-02		* DOUBLER ASSEMBLY - Antenna door	1	
-5	86497-08		* SKIN - Fin, left	1	
	86497-09		* SKIN - Fin, right	1	
-6	78935-28		* SPAR ASSEMBLY - Fin, front	1	
-7	78935-37		* SPAR ASSEMBLY - Fin, rear	1	
-8	78652-00		* BRACKET ASSEMBLY - Barrel mount	1	
-9	38321-02		* RIB ASSEMBLY - Fin nose	1	
-10	38347-02		* RIB - Fin nose	1	
-11	78935-19		* RIB - Fin nose	1	
-12	78935-35		* RIB - Fin nose	1	
-13	78935-17		* RIB - Fin nose	1	
-14	38622-02		* RIB ASSEMBLY - Upper fin root	1	
-15	78935-31		* RIB - Fin root	1	
-16	78935-32		* RIB - Fin root	1	
-17	78935-21		* RIB - Fin root	1	
-18	78935-42		* RIB ASSEMBLY - Fin root, bottom	1	
-19	86497-04		* RIB - Fin, aft	1	
-20	86497-05		* RIB - Fin, aft	1	
-21	86497-06		* RIB - Fin, aft	1	
-22	86497-11		* HINGE ASSEMBLY - Top	1	
-23	452 387		* BEARING - (PS10020-18-1)	1	
-24	86554-02		* FITTING ASSEMBLY - Rudder attachment, lower	1	
-25	78927-04		* FITTING ASSEMBLY - Stabilator attachment, upper	1	
-26	452 627		* BEARING - (FF1207-3)	1	
-27	452 538		* BEARING - (DSRP4)	2	
-28	35697-02		* SUPPORT ASSEMBLY - Vertical fin	1	
-29	38346-04		* DOUBLER - Fin top, left	1	
	38346-05		* DOUBLER - Fin top, right	1	
-30	78935-08		* DOUBLER - Fin, left	1	
	78935-09		* DOUBLER - Fin, right	1	
-31	38379-02		* BRACKET - Antenna mounting	1	
-32	38381-02		* DOOR ASSEMBLY - Antenna	1	
-33	86548-02		* FITTING - Vertical fin	1	
-34	95264-02		* CONDUIT - Fin, leading edge	1	
-35	400 003	W	* BOLT - (AN4-6A)	1	
	407 585	W	* WASHER - (AN960-416L)	1	
	404 888	W	* NUT - (MS20365-428C)	1	
-36	400 004	W	* BOLT - (AN4-7A)	2	
	407 585	W	* WASHER - (AN960-416L)	2	
	404 888	W	* NUT - (MS20365-428C)	2	
-37	415 533		* SCREW - (MS35206-243)	3	
-38	400 441	W	* BOLT - (AN3-7A)	1	
	407 584	W	* WASHER - (AN960-10L)	1	
	404 887	W	* NUT - (MS20365-1032C)	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
18-39	401 270	W	* BOLT - (AN3-11A)	2	
	407 564	W	* WASHER - (AN960-10)	2	
	404 887	W	* NUT - (MS20365-1032C)	2	
-40	419 946	W	* SCREW - (#6 x 3/8")	2	
	406 411		* NUT - (NAS395-7-3)	2	
-41	78935-46		* DOUBLER ASSEMBLY - Cover, left	1	
-42	78935-47		* COVER - Access, left	1	
-43	415 533		* SCREW - (MS35206-243)	4	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

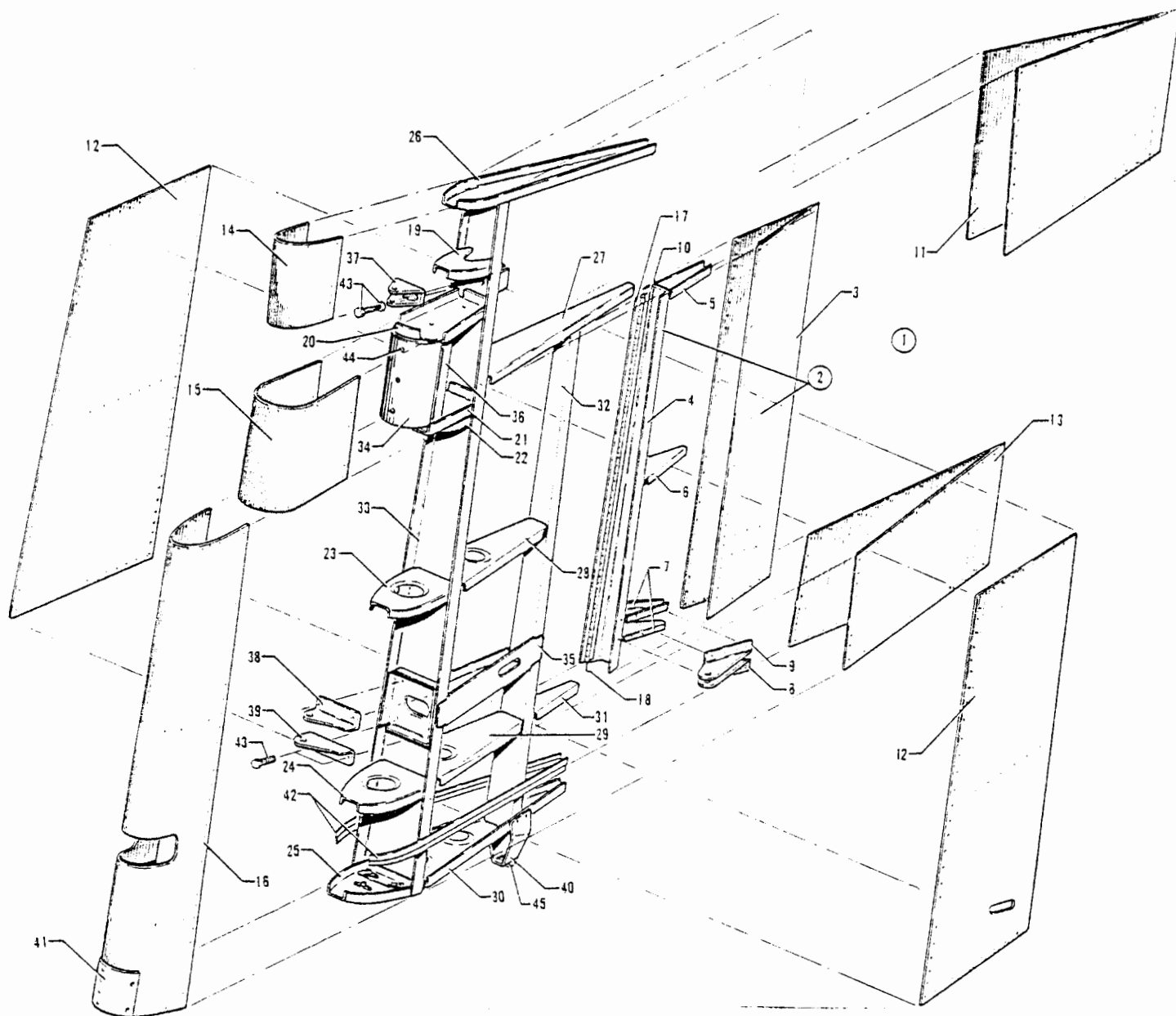


Figure 19 Rudder Assembly

REVISED: APRIL 1981

1D12

PA-44-180
PA-44-180T

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 19

W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
19-1	86499-02		RUDDER ASSEMBLY	1	
-2	86499-03		* TAB ASSEMBLY - Rudder	1	
-3	86499-04		* * SKIN - Rudder tab	1	
-4	86495-21		* * SPAR - Rudder tab	1	
-5	86495-17		* * RIB - Rudder tab, upper	1	
-6	86495-12		* * RIB - Rudder tab, center	1	
-7	86495-06		* * RIB - Rudder tab, bottom	2	
-8	86495-08		* * BRACKET - Rudder tab, bottom	1	
-9	86495-09		* * BRACKET - Rudder tab, top	1	
-10	86495-23		* * HINGE HALF - Rudder tab	1	
-11	86499-05		* SKIN - Rudder, top	1	
-12	86499-07		* SKIN - Rudder, center, left	1	
	86499-06		* SKIN - Rudder, center, right	1	
-13	86499-08		* SKIN - Rudder, bottom	1	
-14	86499-09		* SKIN - Rudder, leading edge	1	
-15	86499-10		* SKIN - Rudder, leading edge	1	
-16	86499-11		* SKIN - Rudder, leading edge	1	
-17	86495-23		* HINGE HALF - Rudder	1	
-18	86499-12		* PIN - Hinge	1	
-19	86495-19		* RIB - Nose	1	
-20	86495-16		* RIB - Nose	1	
-21	86495-14		* RIB - Nose	1	
-22	86495-13		* RIB - Nose	1	
-23	86495-10		* RIB - Nose	1	
-24	86495-03		* RIB - Nose	1	
-25	86495-27		* RIB - Nose	1	
-26	86495-20		* RIB - Rudder root	1	
-27	86495-18		* RIB - Rudder root	1	
-28	86495-11		* RIB - Rudder root	1	
-29	86495-04		* RIB - Rudder root	1	
-30	86495-02		* RIB - Rudder root	1	
-31	86495-05		* RIB - Rudder, aft	1	
-32	86495-32		* SPAR - Rudder, rear	1	
-33	86495-22		* SPAR ASSEMBLY - Rudder, forward	1	
-34	86495-24		* WEIGHT - Rudder balance	1	
-35	86708-02		* RIB - Rudder root	1	
-36	86495-33		* CHANNEL ASSEMBLY - Rudder nose	1	
-37	86495-34		* BRACKET - Rudder hinge, upper	1	
-38	86495-43		* CLIP - Hinge, bottom	1	
-39	86495-42		* CLIP - Hinge, bottom	1	
-40	86495-40		* STRAP - Rudder	1	
-41	86495-37		* BRACKET - Rudder nose, bottom	1	
-42	86495-38		* BRACKET - Rudder, left	1	
	86495-39		* BRACKET - Rudder, right	1	
-43	400 438	W	* BOLT - (AN3-4A)	6	
	407 584	W	* WASHER - (AN960-10L)	6	
-44	410 338		* SCREW - (MS27039C1-28)	3	
	407 584	W	* WASHER - (AN960-10L)	3	
-45	477 640		* NUT - (PS10062-5-3)	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

--- PIPER PARTS CATALOG ---

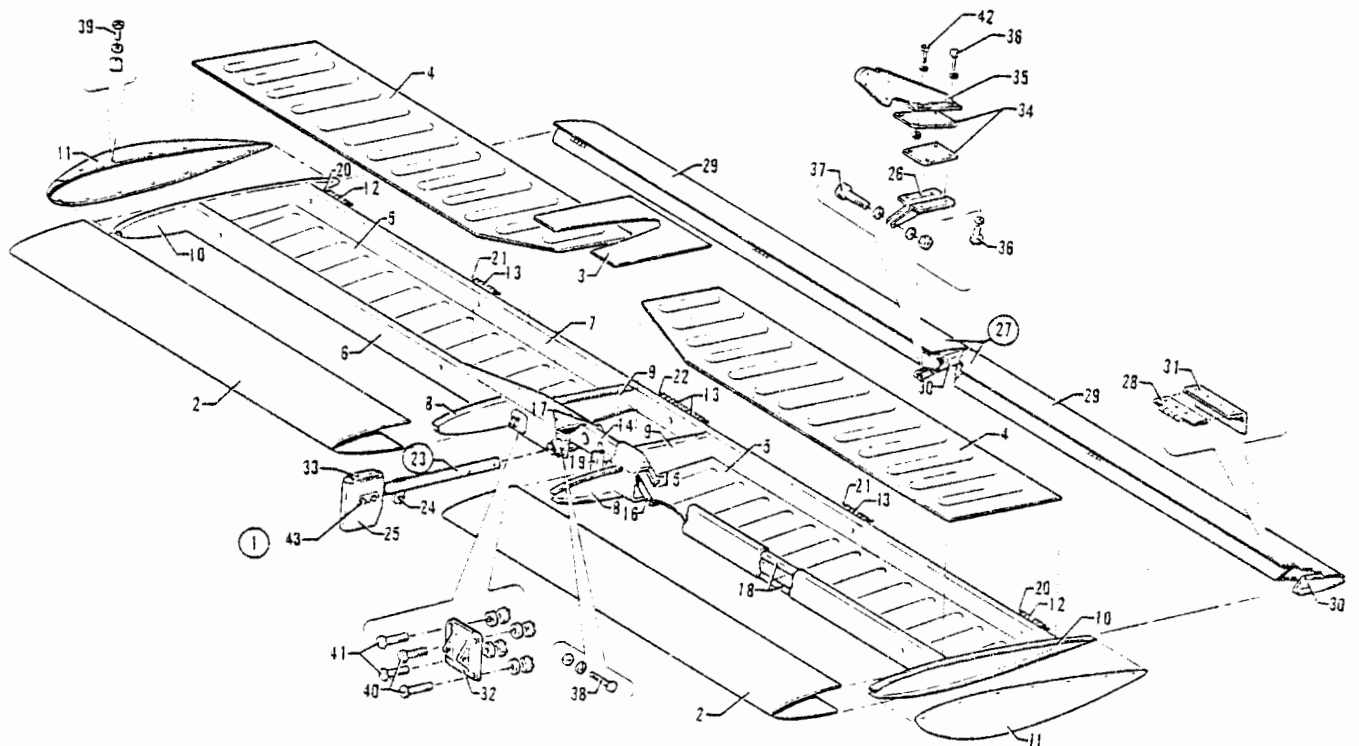


Figure 20. Stabilator Assembly

REVISED: MARCH 1980

1D15

PA-44-180
PA-44-180T

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 20

W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
20-	38400		DRAWING - Stabilator Assembly and Installation		
-1	38400-05		STABILATOR ASSEMBLY	1	
-2	78938-02		* SKIN - Leading edge, left	1	
	78938-03		* SKIN - Leading edge, right	1	
-3	78937-02		* SKIN - Center, top	1	
	78937-03		* SKIN - Center, bottom	1	
-4	63392-00		* SKIN - Aft, top, left	1	
	63392-01		* SKIN - Aft, top, right	1	
-5	63393-00		* SKIN - Aft, bottom, left	1	
	63393-01		* SKIN - Aft, bottom, right	1	
-6	63561-06		* SPAR - Stabilator, main	1	
-7	63572-00		* SPAR - Stabilator, rear	1	
-8	63569-00		* RIB - Stabilator, nose	2	
-9	63570-00		* RIB - Stabilator, aft	2	
-10	63571-00		* RIB - Stabilator, outboard	2	
-11	63584-06		* TIP - Stabilator	2	
-12	38400-07		* HINGE - Extruded, outboard	2	
-13	38400-04		* HINGE - Extruded, inboard and center	4	
-14	63565-02		* CLOSURE - Stabilator	1	
-15	63566-03		* STIFFENER - Stabilator, top, left	1	
	63566-02		* STIFFENER - Stabilator, top, right	1	
-16	63566-02		* STIFFENER - Stabilator, bottom, left	1	
	63566-03		* STIFFENER - Stabilator, bottom, right	1	
-17	63567-00		* FITTING - Balance weight attachment	2	
-18	63562-00		* CAP - Stabilator spar	2	
-19	63564-00		* ANGLE - Stabilator	2	
-20	62002-02		* PIN - Hinge, outboard	2	
-21	62002-03		* PIN - Hinge, center	2	
-22	62002-04		* PIN - Hinge, inboard	1	
-23	36298-03		* TUBE ASSEMBLY - Stabilator balance	1	
-24	452 719		* * BEARING - (PS10020-7-17)	1	
-25	38606-03		* WEIGHT - Stabilator balance	1	
-26	78967-03		* HORN - Stabilator trim tab control	1	
-27	38399-02		* TAB ASSEMBLY - Stabilator trim, left	1	
	38399-03		* TAB ASSEMBLY - Stabilator trim, right	1	
-28	38399-04		* * HINGE - Half, stabilator tab	3	
-29	63586-02		* * SKIN - Stabilator trim tab, left	1	
	63586-03		* * SKIN - Stabilator trim tab, right	1	
-30	63587-00		* * RIB - Outboard	1	
	63587-01		* * RIB - Inboard	1	
-31	63588-03		* * DOUBLER	3	
-32	63563-03		* FITTING - Stabilator hinge	2	
-33	96564-00		* PLATE - Stabilator balance	AR	
-34	78968-02		* PLATE - Control horn tie, bottom	1	
	38406-02		* PLATE - Control horn tie, top	1	
-35	38398-05		* WEIGHT ASSEMBLY - Stabilator trim tab	1	
-36	400 438	W	* BOLT - (AN3-4A)	6	
	407 584	W	* WASHER - (AN960-10L)	6	
-37	401 269	W	* BOLT - (AN3-10A)	1	
	407 564	W	* WASHER - (AN960-10)	2	
	404 887	W	* NUT - (MS20365-1032C)	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
20-38	400 450	W	* BOLT - (AN3-17A)	2	
	407 564	W	* WASHER - (AN960-10)	6	
	404 887	W	* NUT - (MS20365-1032C)	2	
-39	510 058		* SCREW - (NAS514P832-8)	24	
	494 101	W	* WASHER - (PS10092-1-2C)	24	
	477 672		* NUT - (PS10062-5-1)	24	
-40	400 003	W	* BOLT - (AN4-6A) Inboard	4	
	404 888	W	* NUT - (MS20365-428C)	4	
-41	400 004	W	* BOLT - (AN4-7A) Outboard	4	
	407 565	W	* WASHER - (AN960-416)	4	
	404 888	W	* NUT - (MS20365-428C)	4	
-42	400 438	W	* BOLT - (AN3-4A)	2	
	407 584	W	* WASHER - (AN960-10L)	2	
	404 887	W	* NUT - (MS20365-1032C)	2	
-43	401 318	W	* BOLT - (AN4-20A)	2	
	407 565	W	* WASHER - (AN960-416)	2	
	404 888	W	* NUT - (MS20365-428C)	2	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

--- PIPER PARTS CATALOG ---

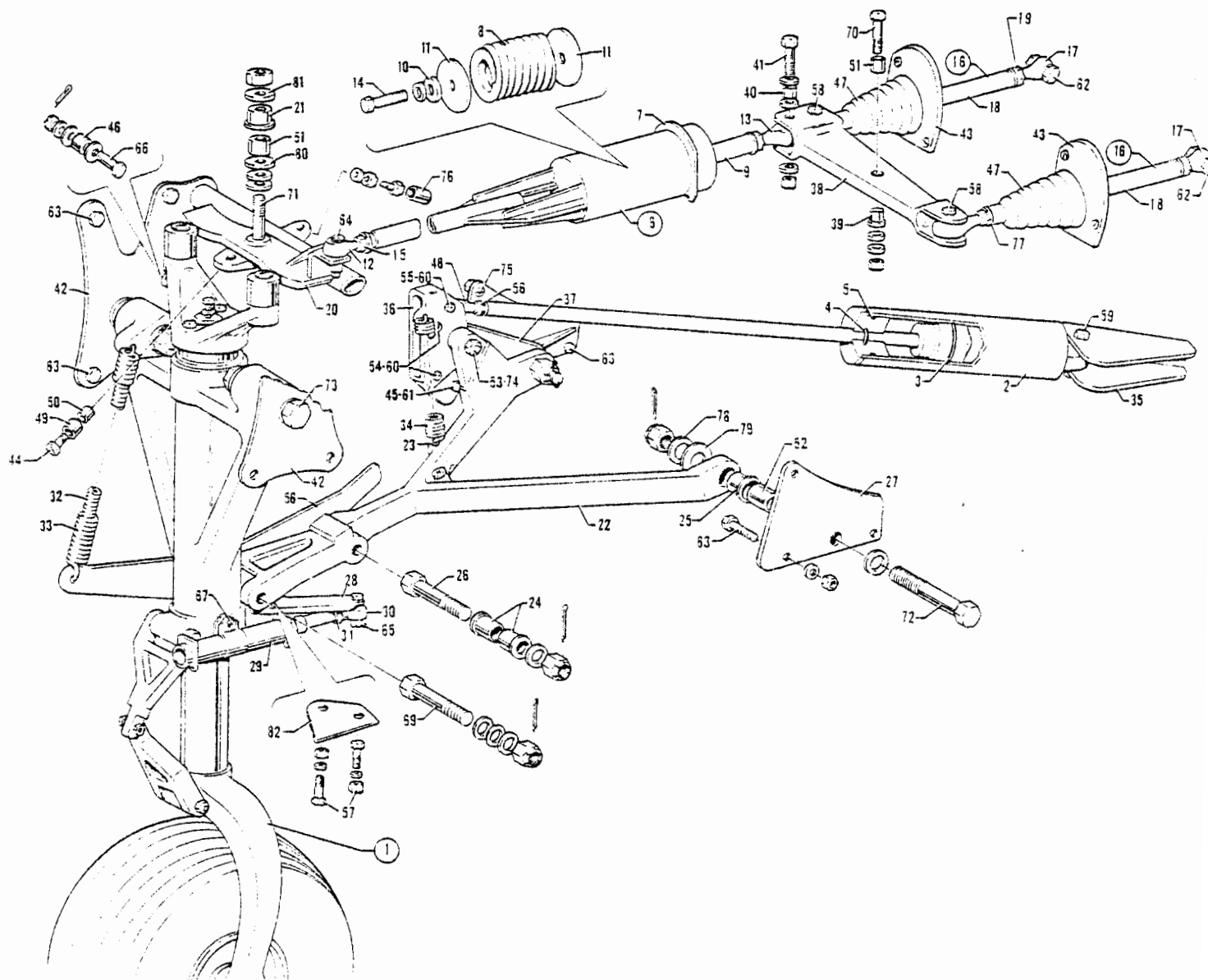


Figure 21. Nose Landing Gear Installation

REVISED: MARCH 1980

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 21

- A - See Figure 22 for component parts.
- B - Used on PA-44-180 only.
- C - Used on PA-44-180 with serial numbers 44-7995002 and up, and PA-44-180T.
- D - Used on PA-44-180 with serial numbers 44-7995001 to 44-8095020 inclusive. If Nose Landing Gear Downlock and Bearing Replacement Kit 764 010v has been installed per Service Bulletin 678, order parts listed for PA-44-180 with serial numbers 44-8095021 and up, and for PA-44-180T.
- E - Used on PA-44-180 with serial numbers 44-8095021 and up, and PA-44-180T.
- W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

SECTION IV
Landing Gear Group

NOSE LANDING GEAR INSTALLATION

PIPER PARTS CATALOG					
Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
21-	86280		DRAWING - Nose Gear Installation		
-1	67100-08	A	GEAR ASSEMBLY - Nose (less tire, tube and wheel assembly)	1	
-2	35797-02		CYLINDER - Hydraulic nose gear (Gar-Kanyon P/N 94951)	1	
-3	752 595		* "O" RING - (MS28775-120)	1	
-4	752 585		* "O" RING - (MS28775-110)	1	
-5	752 596		* "O" RING - (MS28775-122)	1	
-6	86260-02		BUNGEE ASSEMBLY - Nose wheel	1	
-7	78541-00		* RETAINER	1	
-8	78490-00		* SPRING	1	
-9	86260-04		* ROD ASSEMBLY	1	
-10	62833-89		* WASHER	1	
-11	62833-92		* WASHER	2	
-12	452 590		* BEARING - Rod end (PS10020-11-4)	1	
-13	452 334		* BEARING - Rod end (PS10020-1-6RX)	1	
-14	553 172		* BOLT - (LP12V048H14)	1	
	407 136	W	* WASHER - (AN936-A416)	1	
	407 587	W	* WASHER - (AN960-616L)	AR	
-15	404 225	W	* NUT - Check (AN315-4R)	2	
	407 136	W	* WASHER - (AN936-A416)	2	
-16	63327-24		ROD ASSEMBLY - Nose wheel control	2	
-17	452 334		* BEARING - (PS10020-1-6RX)	2	
-18	63327-25		* TUBE - Rod assembly	1	
-19	407 136	W	* WASHER - (AN936-A416)	2	
	404 225	W	* NUT - (AN315-4R)	2	
-20	86259-02		CAM ASSEMBLY - Steering	1	
-21	452 445		* BEARING - (FF600-5)	1	
-22	86280-03		DRAG LINK ASSEMBLY - Nose gear	1	
-23	61402-93		* BUSHING	1	
-24	87319-02		* BEARING	2	
-25	87319-03		* BEARING	2	
-26	402 940		* BOLT - (NAS464P4-27)	1	
	407 565	W	* WASHER - (AN960-416)	2	
	404 393	W	* NUT - (AN320-4)	1	
	424 052	W	* COTTER PIN - (MS24665-134)	1	
-27	86282-09		NOSE GEAR SUPPORT - Left	1	
	86282-10		NOSE GEAR SUPPORT - Right	1	
-28	67114-00		BRACKET ASSEMBLY - Shimmy dampener	1	
-29	86636-02		SPRING ASSEMBLY - Nose gear centering	1	
-30	452 552		* BEARING - (PS10020-2-3RX)	1	
-31	404 322	W	* NUT - (AN316-4R)	1	
-32	67168-00		SPRING - Nose gear arm assembly, inner	1	
-33	67169-00		SPRING - Nose gear arm assembly, outer	1	
-34	67189-00		SPRING - Nose gear downlock	1	
-35	38047-04		FITTING - Nose gear actuator	1	
-36	86275-03	D	DOWNLOCK - Nose gear	1	
	86275-04	E	DOWNLOCK - Nose gear	1	
-37	86261-02		ARM - Downlock	1	
-38	76407-03		BELLCRANK ASSEMBLY - Nose wheel steering	1	
-39	452 445		* BEARING - (FF-600-5)	1	
-40	63900-41		* BUSHING	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
21-41	401 274	W	* BOLT - (AN3-15A)	1	
	407 584	W	* WASHER - (AN960-10L)	3	
	404 887	W	* NUT - (MS20365-1032C)	1	
-42	86268-02		TRUNNION SUPPORT ASSEMBLY	1	
-43	86520-02		RETAINER - Boot	2	
-44	411 349		SCREW - (M35FS428R14CR)	1	
-45	67510-00	D	BEARING	1	
	36766-02	E	BUSHING - Eccentric	1	
-46	452 386		BEARING - (NAS506-4)	1	
-47	453 158	W	BOOT - (F-2131)	2	
-48	452 729		BEARING - (PS10020-1-7RX)	1	
-49	14976-15		BUSHING - Steering cam assembly, outer	1	
-50	14976-16		BUSHING - Steering cam assembly, inner	1	
-51	65003-15		BUSHING - Steering cam assembly	2	
-52	65003-45		BUSHING	2	
-53	95061-191		BUSHING	1	
-54	95061-192		BUSHING	2	
-55	95061-193		BUSHING	1	
-56	67109-00		ARM ASSEMBLY - Nose gear spring	1	
-57	400 440	W,B	BOLT - (AN3-6A)	2	44-7995001
	400 441	W,C	BOLT - (AN3-7A)	2	
	407 564	W,B	WASHER - (AN960-10)	2	44-7995001
	407 584	W,C	WASHER - (AN960-10L)	2	
	404 887	W	NUT - (MS20365-1032C)	2	
-58	401 269	W	BOLT - (AN3-10A)	2	
	407 584	W	WASHER - (AN960-10L)	2	
	404 887	W	NUT - (MS20365-1032C)	2	
-59	402 869		BOLT - (NAS464P3-A13)	1	
	407 564	W	WASHER - (AN960-10)	5	
	404 526		NUT - (MS21042-3)	1	
-60	401 270	W	BOLT - (AN3-11A)	3	
	407 584	W	WASHER - (AN960-10L)	3	
	404 887	W	NUT - (MS20365-1032C)	3	
-61	400 443	D,W	BOLT - (AN3-12A)	1	
	400 444	E,W	BOLT - (AN3-13A)	1	
	407 564	W	WASHER - (AN960-10)	1	
	407 584	W	WASHER - (AN960-10L)	1	
	404 887	D,W	NUT - (MS20365-1032C)	1	
	406 802	E	NUTPLATE - (NAS696A3)	1	
-62	400 446	W	BOLT - (AN3-16A)	2	
	407 564	W	WASHER - (AN960-10)	2	
	404 887	W	NUT - (MS20365-1032C)	2	
-63	400 003	W	BOLT - (AN4-6A)	14	
	407 585	W	WASHER - (AN960-416L)	14	
	404 888	W	NUT - (MS20365-428C)	14	
-64	400 003	W	BOLT - (AN4-6A)	1	
	407 585	W	WASHER - (AN960-416L)	1	
	404 888	W	NUT - (MS20365-428C)	1	
-65	400 109	W	BOLT - (AN4-14)	1	
	407 565	W	WASHER - (AN960-416)	1	
	407 585	W	WASHER - (AN960-416L)	1	
	404 101	W	NUT - (AN310-4)	1	
	424 052	W	COTTER PIN - (MS24665-134)	1	
-66	400 011	W	BOLT - (AN4-16A)	1	
	407 585	W	WASHER - (AN960-416L)	1	
	80122-20	W	WASHER - (.75 O. D.)	2	
	404 888	W	NUT - (MS20365-428C)	1	
	424 052	W	COTTER PIN - (MS24665-134)	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
21-67	400 110	W	BOLT - (AN4-15)	1	
	407 565	W	WASHER - (AN960-416)	2	
	407 585	W	WASHER - (AN960-416L)	1	
	404 101	W	NUT - (AN310-4)	1	
	424 052	W	COTTER PIN - (MS24665-134)	1	
-68	67192-00		NUT - Cylinder rod end (Special)	1	
-69	400 191		BOLT - (AN5-51)	1	
	407 566	W	WASHER - (AN960-516)	2	
	407 586	W	WASHER - (AN960-516L)	1	
	404 102	W	NUT - (AN310-5)	1	
	424 052	W	COTTER PIN - (MS24665-134)	1	
-70	401 395	W	BOLT - (AN6-14A)	1	
	407 567	W	WASHER - (AN960-616)	1	
	407 587	W	WASHER - (AN960-616L)	1	
	404 890	W	NUT - (MS20365-624C)	1	
-71	400 213		BOLT - (AN6-20)	1	
	407 143		WASHER - (AN9368616)	2	
	404 103	W	NUT - (AN310-6)	1	
	424 059	W	COTTER PIN - (MS24665-283)	1	
-72	400 215		BOLT	2	
	407 587	W	WASHER - (AN960-616L)	2	
	404 103	W	NUT - (AN310-6)	2	
	424 060	W	COTTER PIN - (MS24665-285)	2	
-73	400 267		BOLT - (AN7-26)	2	
	407 568	W	WASHER - (AN960-716)	2	
	407 591	W	WASHER - (AN960-716L)	2	
	404 104	W	NUT - (AN310-7)	2	
	424 060	W	COTTER PIN - (MS24665-285)	2	
-74	502 341		BOLT - (AN175-22A)	1	
	407 566	W	WASHER - (AN960-516)	1	
	407 586	W	WASHER - (AN960-516L)	1	
	404 889	W	NUT - (MS20365-524C)	1	
-75	410 068		BOLT - (MS24694-C101)	1	
	407 564	W	WASHER - (AN960-10)	2	
	404 888	W	NUT - (MS20365-428C)	1	
-76	554 005		CAP - (519)	1	
	453 199		BOLT - (1/4 -20 x 1)	1	
	407 044		WASHER - (MS35338-44)	1	
	404 599	W	NUT - (AN340-416)	1	
-77	80122-18		WASHER	2	
-78	62833-43		WASHER	2	
-79	62833-87		WASHER - (Teflon)	2	
-80	62833-10		WASHER	1	
-81	80122-27		WASHER	1	
-82	67114-04	C	PLATE - Shimmy dampener bracket	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

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--- PIPER PARTS CATALOG ---

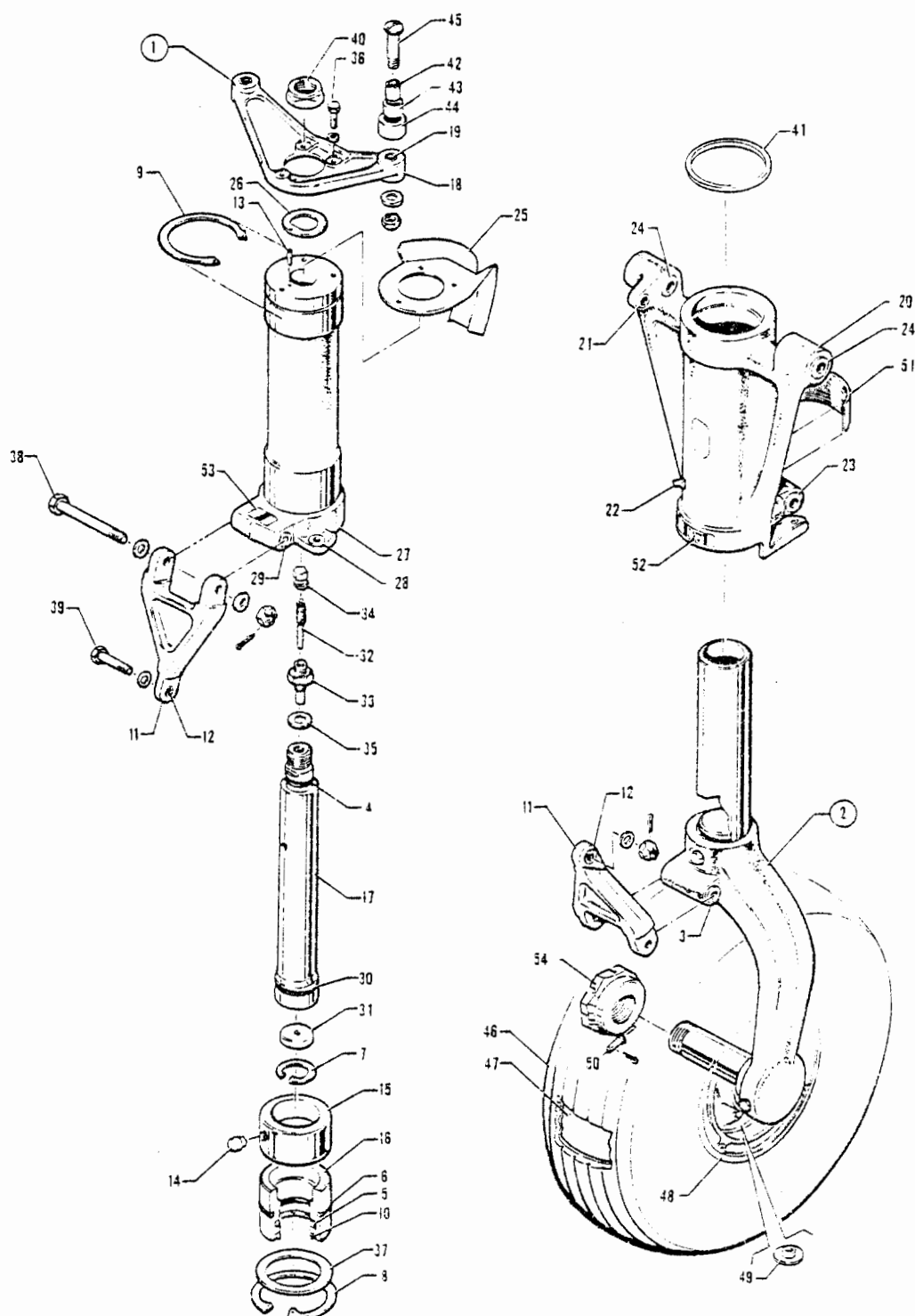


Figure 22. Nose Gear Assembly

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 22

- A - See Figure 23 for component parts.
- B - See Figure 24 for component parts.
- C - Used with McCauley nose wheel only.
- W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
22-	86280		DRAWING - Nose Landing Gear Installation		
-1	67100-08		GEAR ASSEMBLY - Nose (less tire, tube and wheel assembly)	1	
-2	67050-02		* STRUT ASSEMBLY - Nose gear, lower	1	
-3	67026-07		* * BEARING	2	
-4	484 790		* "O" RING - (MS28775-210)	1	
-5	484 799		* "O" RING - (MS28775-327)	1	
-6	462 034	W	* "O" RING - (AN6230-5)	1	
-7	484 684		* RING - Snap (N5000-118MD)	1	
-8	484 685		* RING - Snap (N5000-250MD)	1	
-9	484 723	W	* RING - Snap (5100-268)	1	
-10	187 627		* STRIP - Wiper (S-35-29 Code 10V90-117)	1	
-11	20735-05		* LINK ASSEMBLY - Nose gear torque	2	
-12	452 366	W	* * BEARING - (F-310-5)	1	
-13	480 700	W	* PIN - Roll (59-022-094-0375)	1	
-14	20784-00	W	* PIN - Bearing retaining	2	
-15	67909-00		* BEARING - Strut tube, upper	1	
-16	67755-00		* BEARING - Strut tube, lower	1	
-17	21712-02	W	* TUBE - Nose gear orifice	1	
-18	44386-03		* ARM ASSEMBLY - Nose wheel steering	1	
-19	14976-11	W	* * BUSHING - Arm assembly	2	
-20	67054-03		* TRUNNION ASSEMBLY - Nose gear	1	
-21	95061-144		* * BUSHING - Trunnion assembly	1	
-22	460 691	W	* * FITTING - Grease (AN944-101)	1	
-23	67026-07		* * BEARING	2	
-24	67026-11		* * BEARING	4	
-25	67107-00		* BRACKET - Nose gear aligner guide	1	
-26	21710-00	W	* WASHER - Nose gear lock	1	
-27	67148-00		* TUBE ASSEMBLY - Nose gear strut, upper	1	
-28	21831-04	W	* * BEARING - Tube assembly, nose gear strut	1	
-29	67026-07		* * BEARING	2	
-30	484 828		* RING - Compression (R19047)	1	
-31	67245-00		* PLATE - Orifice	1	
-32	455 124	W	* CORE - Air valve (AN809-1)	1	
-33	453 124	W	* BODY - Air valve (AN812-1)	1	
-34	454 053	W	* CAP - Air valve (AN813-1B)	1	
-35	462 024	W	* GASKET - Air valve (AN901-5A)	1	
-36	401 265	W	* BOLT - (AN3-H7A)	3	
	407 564	W	* WASHER - (AN960-10)	3	
-37	80122-88	W	* WASHER - Nose gear	1	
-38	402 344	W	* BOLT - (AN175-32)	2	
	407 566	W	* WASHER - (AN960-516)	4	
	404 102	W	* NUT - (AN310-5)	2	
	424 052	W	* PIN - Cotter (AN380-2-3)	2	
-39	402 313	W	* BOLT - (AN174-13)	1	
	407 585	W	* WASHER - (AN960-416L)	1	
	407 565	W	* WASHER - (AN960-416)	2	
	404 101	W	* NUT - (AN310-4)	1	
	424 052	W	* PIN - Cotter (AN380-2-3)	1	
-40	404 840	W	* NUT - (MS20364-1414C)	1	
-41	62833-45		* SPACER	AR	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
22-42	95061-188		* BUSHING - Nose gear, inner	2	
-43	95061-187		* BEARING - Sleeve	2	
-44	95061-189		* BUSHING - Nose gear, outer	2	
-45	400 779		* BOLT - (AN25-38A)	2	
	407 566	W	* WASHER - (AN960-516)	AR	
	404 837	W	* NUT - (MS20364-524C)	2	
-46	451 734		TIRE - (5:00 x 5, 6 ply, Type 111) McCreary (PS50119-2)	1	
	451 746		TIRE - (5:00 x 5, 6 ply, Type 111) B. F. Goodrich (PS50119-3)	1	
-47	451 739		TUBE - (5:00 x 5) (PS50119-100)	1	
-48	551 792	A	WHEEL ASSEMBLY - (40-778) Cleveland	1	
	551 772	B	WHEEL ASSEMBLY - (D-30500) McCauley	1	
-49	758 397	C	* BUSHING - Valve stem (A-30653)	1	
-50	424 146	W	PIN - (MS20392-1C19)	1	
	407 561	W	WASHER - (AN960-4)	1	
	424 052	W	COTTER PIN - (MS24665-134)	1	
-51	35669-93		PLACARD - Oleo service instructions	1	
-52	35669-08		PLACARD - Turn limit	1	
-53	35669-05		PLACARD - Turn limit center mark	1	
-54	67106-00		NUT - Nose gear axle	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

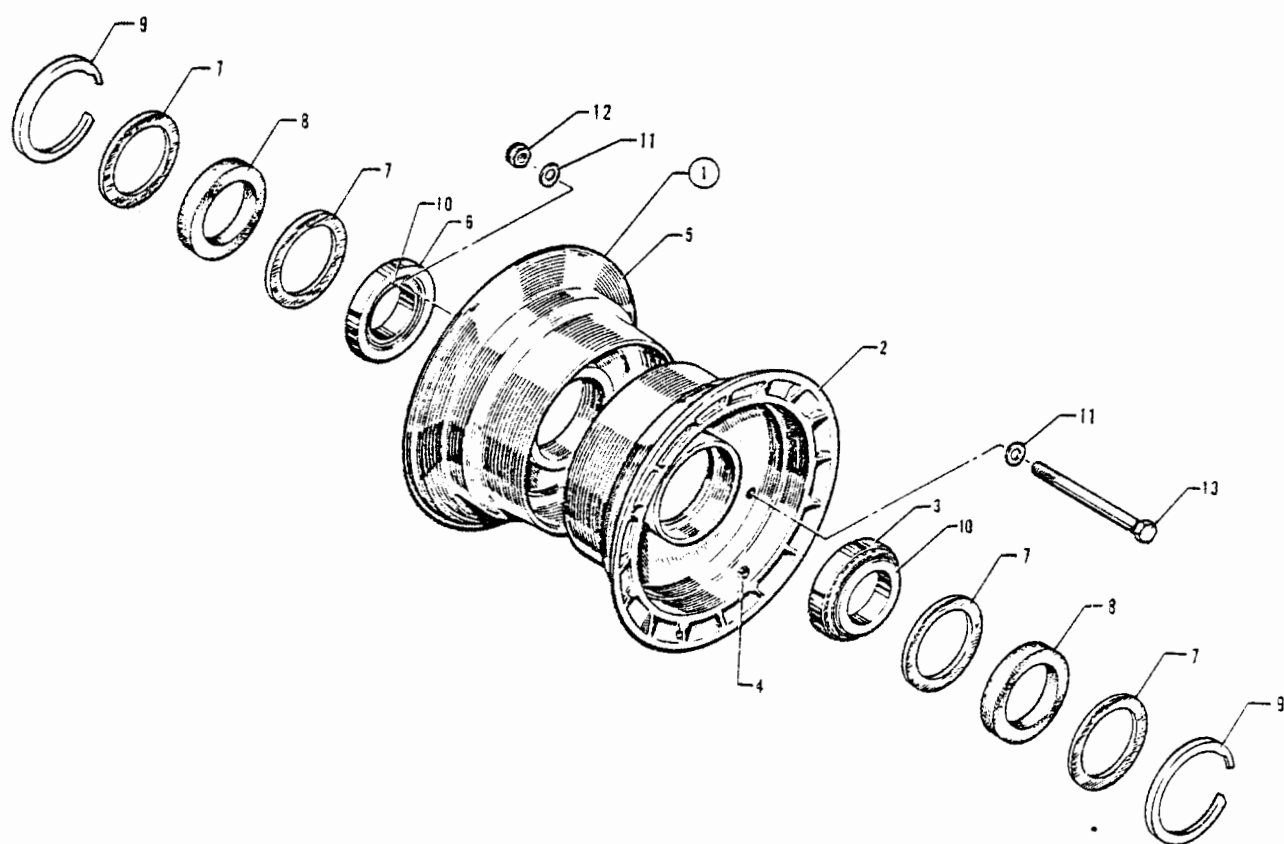


Figure 23. Nose Wheel Assembly (Cleveland)

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 23

W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
23-1	551 792		WHEEL ASSEMBLY - Nose (40-778)	1	
-2	756 667		* WHEEL HALF ASSEMBLY - Outer (162-53) (with valve hole)	1	
-3	757 831		* * CUP - Bearing (08231)	1	
-4	755 048		* * GROMMET - (217-00100)	1	
-5	756 668		* WHEEL HALF ASSEMBLY - Inner (161-55)	1	
-6	757 831		* * CUP - Bearing (08231)	1	
-7	756 007		* RING - Grease seal (153-8)	4	
-8	754 304		* FELT - Grease seal (154-6)	2	
-9	756 008		* RING - Snap (155-2)	2	
-10	750 063	W	* BEARING - Cone (08125)	2	
-11	407 565	W	* WASHER - Wheel bolt (AN960-416)	6	
-12	404 888	W	* NUT - Wheel bolt (AN365-428)	3	
-13	400 015	W	* BOLT - Wheel (AN4-22A)	3	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

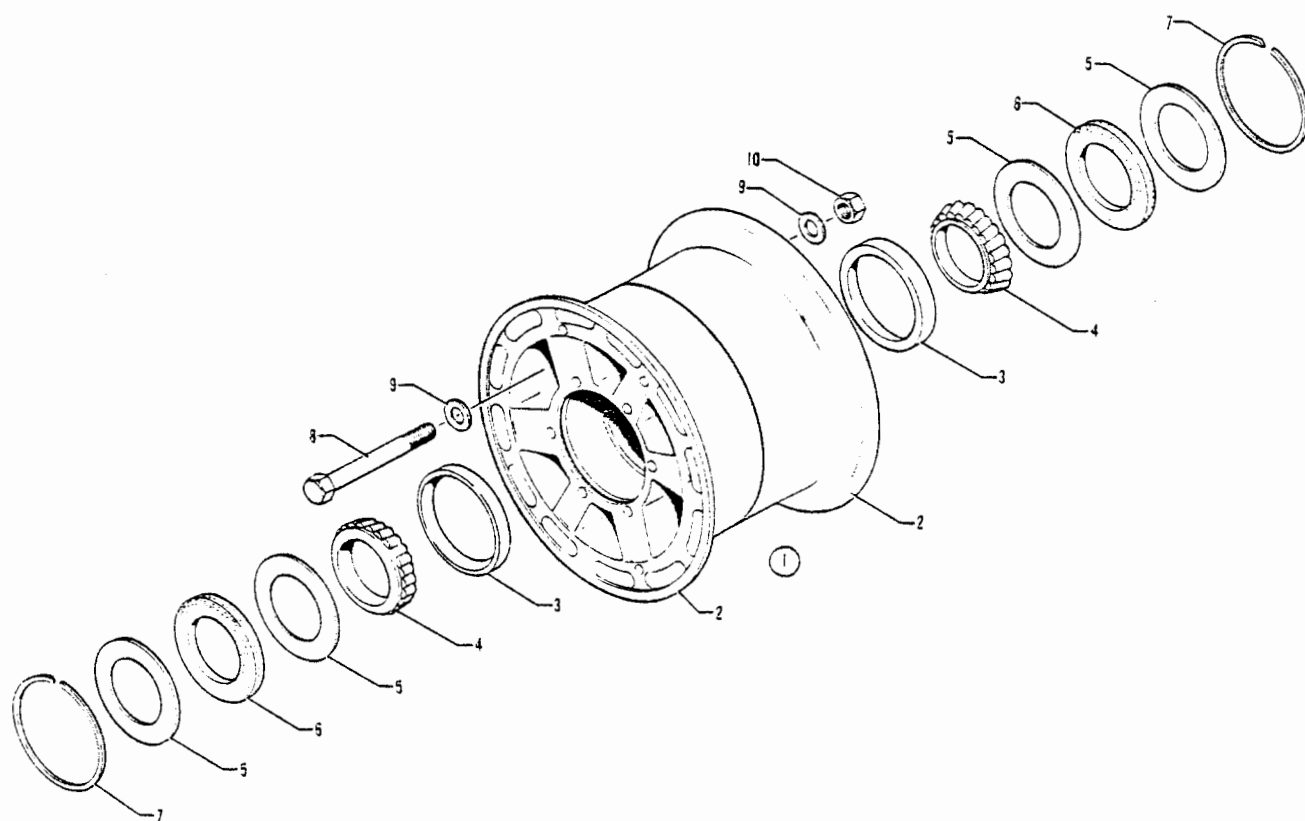


Figure 24. Nose Wheel Assembly (McCauley)

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 24

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
24-1	551 772		WHEEL ASSEMBLY - Nose (D-30500)	1	
-2	756 686		* WHEEL - Half (C-30598)	2	
-3	763 215		* * CUP - Bearing (A-30078-1)	1	
-4	758 391		* BEARING - Cone (A-30078-2)	2	
-5	762 560		* RETAINER - (A-30048)	4	
-6	754 856		* FELT - (A-30047)	2	
-7	762 561		* RING - Retaining (A-1636-23)	2	
-8	758 393		* BOLT - (A-2513-73)	3	
-9	756 685		* WASHER - (A-1638-1)	6	
-10	752 571		* NUT - (A-1639-1)	3	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

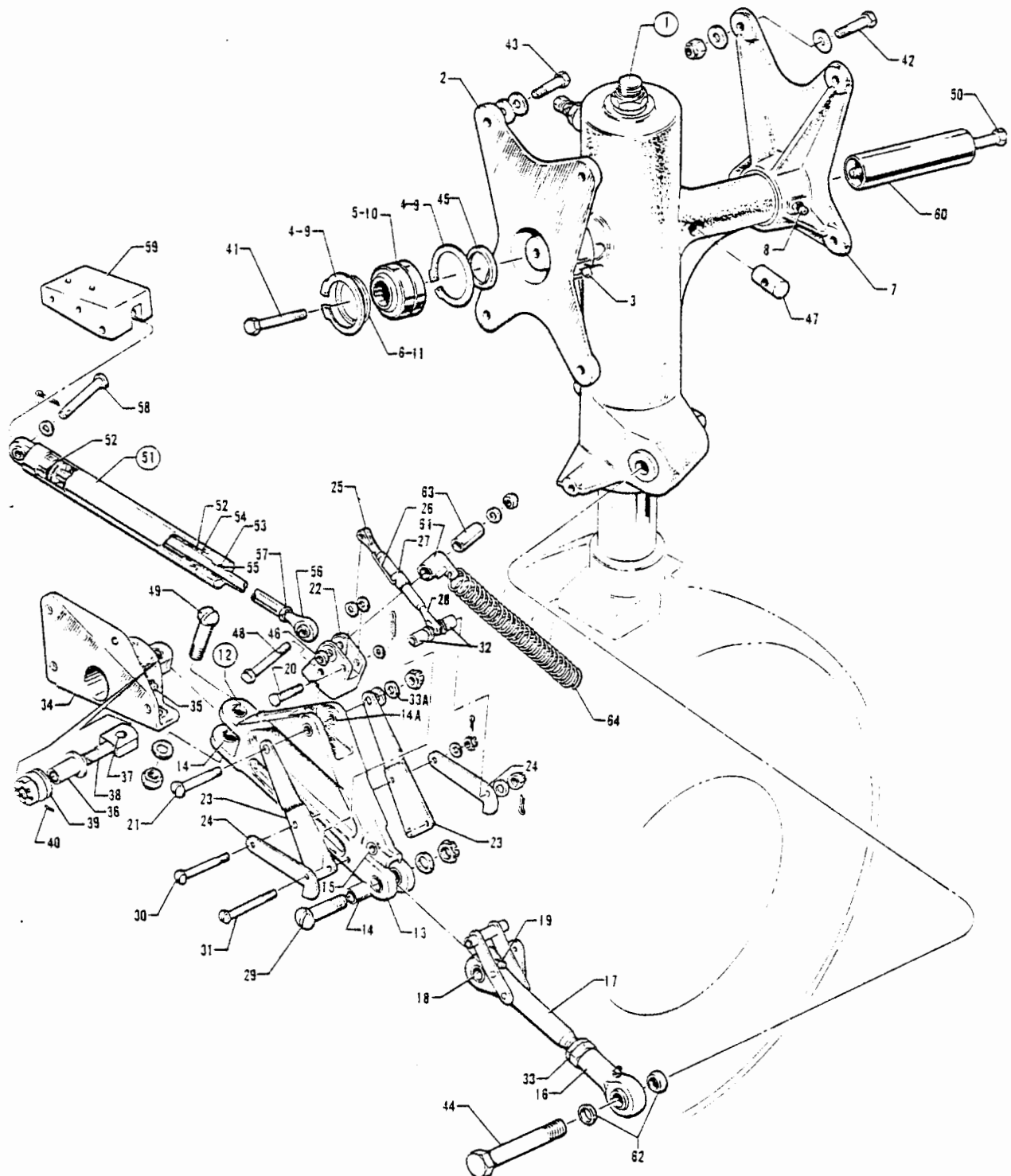


Figure 25. Main Gear Installation

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 25

- A - See Figure 26 for component parts.
- B - Used on PA-44-180 only.
- C - Used on PA-44-180 with serial numbers 44-7995001 to 44-7995216, 44-7995230 and up; and PA-44-180T.
- D - Used on PA-44-180 with serial numbers 44-7995001 to 44-8095037 inclusive, and PA-44-180T with serial numbers 44-8107002 to 44-8107027 inclusive.
- E - Used on PA-44-180 with serial numbers 44-8195001 and up, and PA-44-180T with serial numbers 44-8107001, 44-8107028 and up.
- F - Used on PA-44-180 with serial numbers 44-7995001 to 44-8195040 inclusive, and PA-44-180T with serial numbers 44-8107001 to 44-8207005 inclusive.
- G - Used on PA-44-180 with serial numbers 44-8195001 to 44-8195040 inclusive, and PA-44-180T with serial numbers 44-8107001, 44-8107028 to 44-8207005 inclusive.
- H - Used on PA-44-180 with serial numbers 44-8295001 and up, and PA-44-180T with serial numbers 44-8207006 and up.
- W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
25-	78724		DRAWING - Main Gear Installation		
-1	78723-04	A,D	GEAR ASSEMBLY - Main, left (less tire, tube, wheel and brake assembly)	1	
	78723-10	A,E	GEAR ASSEMBLY - Main, left (less tire, tube, wheel and brake assembly)	1	
	78723-05	A	GEAR ASSEMBLY - Main, right (less tire, tube, wheel and brake assembly)	1	
-2	67040-14		FITTING ASSEMBLY - Forward trunnion, left	1	
	67040-15		FITTING ASSEMBLY - Forward trunnion, right	1	
-3	460 691	W	* FITTING - Lubricator (AN944-101)	1	
-4	484 719	W	* RING - Retainer (5008-175)	2	
-5	452 575		* BEARING - Spherical (PS10020-10-2)	1	
-6	62833-44		* SPACER	AR	
-7	67042-13		FITTING ASSEMBLY - Aft trunnion	2	
-8	460 691	W	* FITTING - Lubricator (AN944-101)	1	
-9	484 719	W	* RING - Retainer (5008-175)	2	
-10	452 575		* BEARING - Spherical (PS10020-10-2)	1	
-11	62833-44		* SPACER	AR	
-12	78721-02	D	TRUSS ASSEMBLY - Main gear, left	1	
	78721-05	G	TRUSS ASSEMBLY - Main gear, left	1	
	78721-07	H	TRUSS ASSEMBLY - Main gear, left	1	
	78721-03	D	TRUSS ASSEMBLY - Main gear, right	1	
	78721-06	G	TRUSS ASSEMBLY - Main gear, right	1	
	78721-08	H	TRUSS ASSEMBLY - Main gear, right	1	
-13	67025-02	F	* LINK ASSEMBLY - Main gear truss assembly	1	
	67025-11	H	* LINK ASSEMBLY - Main gear truss assembly	1	
-14	14843-16	W	* * BUSHING - Main gear truss assembly	4	
-14a	63900-89		* * BUSHING - Main gear truss assembly	2	
-15	86700-30	F	* BUSHING - Main gear truss assembly	1	
-16	78722-02		* BEARING - Main gear truss assembly	1	
-17	78720-02	D	* LINK ASSEMBLY - Main gear truss assembly, left	1	
	78720-05	E	* LINK ASSEMBLY - Main gear truss assembly, left	1	
	78720-03	D	* LINK ASSEMBLY - Main gear truss assembly, right	1	
	78720-06	E	* LINK ASSEMBLY - Main gear truss assembly, right	1	
-18	65003-44		* * BUSHING - Main gear truss assembly	2	
-19	460 860	D,W	* * FITTING - Lubricator (MS15001-2)	1	
	460 690	E,W	* * FITTING - Lubricator (MS15002-3)	1	
-20	424 181	W	* PIN - Flat head (MS20392-2C25)	1	
	407 584	W	* WASHER - (AN960-10L)	3	
	424 051	W	* COTTER PIN - (MS24665-132)	1	
-21	400 711	W	* BOLT - (AN24-26)	1	
	407 565	W	* WASHER - (AN960-416)	1	
	404 393	W	* NUT - (AN320-4)	1	
	424 051	W	* COTTER PIN - (MS24665-132)	1	
-22	67031-02		* FITTING - Gear retraction, left	1	
	67031-03		* FITTING - Gear retraction, right	1	
-23	67024-00	F	* PLATE - Left gear, front and right gear, aft	1	
	67024-01	F	* PLATE - Left gear, aft and right gear, front	1	
-24	67028-00		* HOOK - Main gear truss assembly	2	
-25	461 131	W	* FORK - (NAS645-16RS)	1	
-26	554 979	W	* CLIP - Turnbuckle (MS21256-1)	1	
-27	452 009	W	* BARREL - Turnbuckle (NAS6498-16S)	1	
-28	459 957		* EYE - Turnbuckle (NAS648-16LS)	1	
-29	402 927		* BOLT - (NAS464-8-16)	1	
	407 587	W	* WASHER - (AN960-616L)	1	
	404 395	W	* NUT - (AN320-6)	1	
	424 059	W	* COTTER PIN - (MS24665-283)	1	

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PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
25-30	400 880		* BOLT - (AN23-28)	1	
	407 584	W	* WASHER - (AN960-10L)	AR	
	404 100	W	* NUT - (AN310-3)	1	
	424 051	W	* COTTER PIN - (MS24665-132)	1	
-31	400 880		* BOLT - (AN23-28)	1	
	407 564	W	* WASHER - (AN960-10)	2	
	407 584	W	* WASHER - (AN960-10L)	1	
	404 100	W	* NUT - (AN310-3)	1	
	424 051	W	* COTTER PIN - (MS24665-132)	1	
-32	63900-130		* BUSHING - Main gear truss assembly	2	
-33	404 317		* NUT - Check (AN316-10R)	1	
-33a	407 565	H,W	* WASHER - (AN960-416)	AR	
	407 585	H,W	* WASHER - (AN960-416L)	AR	
-34	95643-08		BRACKET ASSEMBLY - Main gear truss, left	1	
	95643-09	C	BRACKET ASSEMBLY - Main gear truss, right	1	
	95643-10	B	BRACKET ASSEMBLY - Main gear truss, right	1	44-7995217 to 44-7995229 incl.
-35	460 801	W	* FITTING - Lubricator (MS15001-4)	1	
-36	67026-12		* BUSHING - Bracket (1.23" L.)	1	
-37	65003-41		* BUSHING	1	
-38	78717-02		* STUD - Main gear side brace	1	
-39	62833-109		* WASHER - (.062 thick)	AR	
	62833-112		* WASHER - (.025 thick)	AR	
	404 399		* NUT - (AN320-10)	1	
-40	480 691	W	* ROLL PIN - (52-028-125-0875)	1	
-41	400 012	W	BOLT - (AN4-17A)	2	
	62833-124		WASHER	2	
-42	401 189	W	BOLT - (AN5-11A)	8	
	407 566	W	WASHER - (AN960-516)	AR	
	404 889	W	NUT - (MS20365-524C)	8	
-43	401 188	W	BOLT - (AN5-10A)	8	
	407 566	W	WASHER - (AN960-516)	AR	
	407 586	W	WASHER - (AN960-516L)	8	
	404 889	W	NUT - (MS20365-524C)	8	
-44	402 974		BOLT - (NAS464P9A-46)	2	
	407 570	W	WASHER - (AN960-916)	2	
	405 160		NUT - (MS21083-N9)	2	
-45	67198-00		WASHER - Main gear	2	
-46	95061-64		BUSHING	2	
-47	406 660	W	NUT - Barrel (1452-048)	4	
-48	400 451	W	BOLT - (AN3-20A)	2	
	407 564	W	WASHER - (AN960-10)	4	
	404 887	W	NUT - (MS20365-1032C)	2	
-49	402 921		BOLT - (NAS464P6-20)	2	
	407 567	W	WASHER - (AN960-616)	2	
	404 395	W	NUT - (AN320-6)	2	
	424 059	W	COTTER PIN - (MS24665-283)	2	
-50	401 335	W	BOLT - (AN4-40A)	2	
-51	96860-00		CYLINDER ASSEMBLY - Hydraulic	2	
-52	484 706	W	* "O" RING - (AN6227-11)	2	
-53	484 748		* "O" RING - (AN6227-8)	1	
-54	755 997		* RETAINER - Main gear cylinder (SFD1400-1)	1	
-55	756 053		* RING - Back-up (MS28782-8)	1	
-56	452 334		BEARING - (PS10020-1-6RX)	2	
-57	404 225	W	NUT - (AN315-4R)	2	
-58	424 187	W	PIN - (MS20392-2C37)	2	
	407 564	W	WASHER - (AN960-10)	2	
	424 052	W	COTTER PIN - (MS24665-134)	2	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
25-59	67071-00		BRACKET - Main gear cylinder, left	1	
	67071-01		BRACKET - Main gear cylinder, right	1	
-60	67502-00		RETAINER ASSEMBLY - Main gear	2	
-61	67202-00		SWIVEL ASSEMBLY - Slide brace spring attachment	2	
-62	78716-02		BUSHING - Tapered, truss assembly	4	
-63	63900-85		BUSHING - Spring attachment	2	
-64	67203-00		SPRING - Main gear downlock	2	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

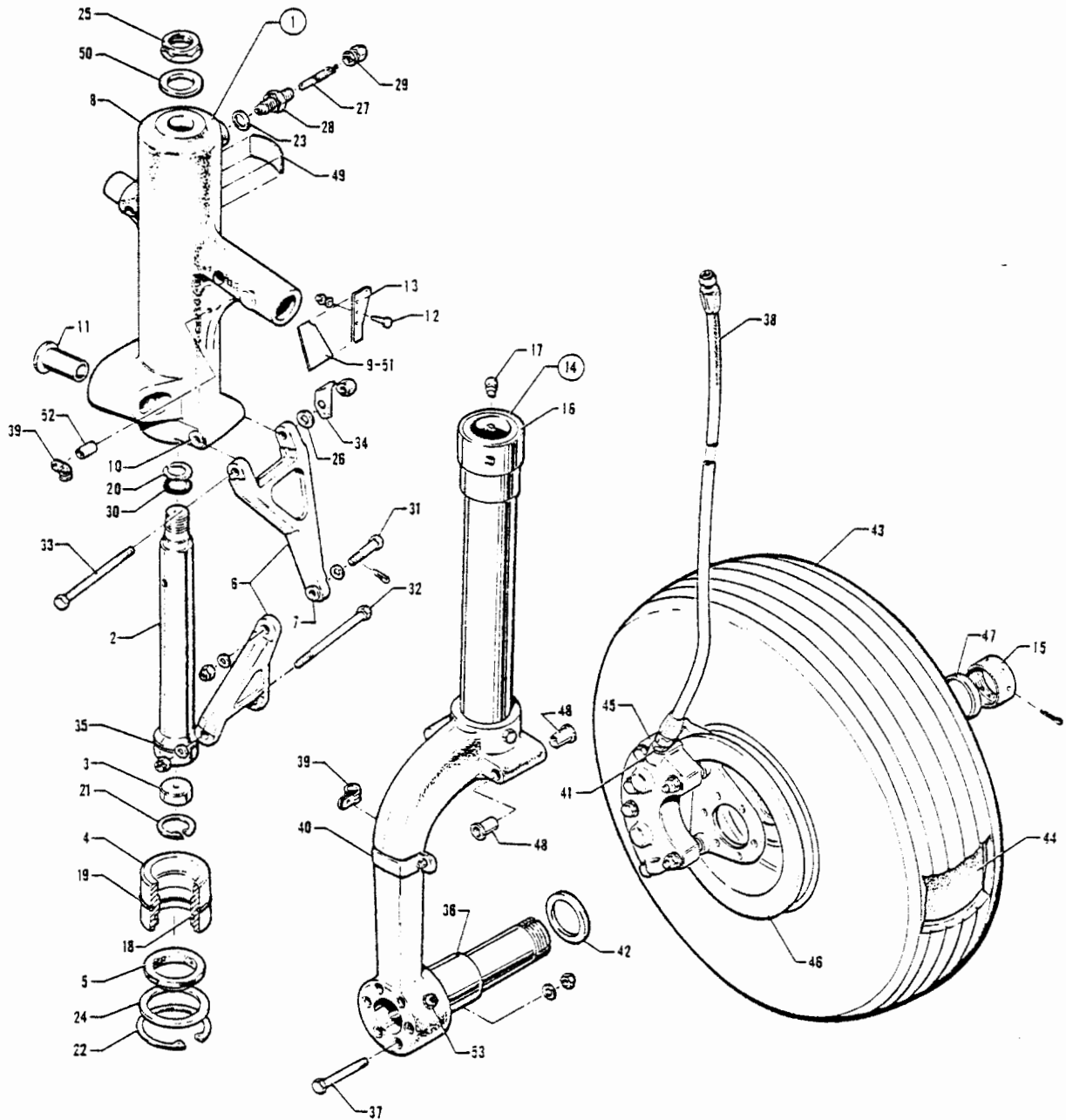


Figure 26. Main Gear Assembly

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 26

- A - See Figure 28 for component parts.
- B - See Figure 27 for component parts.
- C - Used if heavy duty brakes, wheels and tires are installed.
- D - Used on PA-44-180 with serial numbers 44-7995001 to 44-8095037 inclusive, and PA-44-180T with serial numbers 44-8107002 to 44-8107027 inclusive.
- E - Used on PA-44-180 with serial numbers 44-8195001 and up, and PA-44-180T with serial numbers 44-8107001, 44-8107028 and up.
- W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
26-	78724		DRAWING - Main Gear Installation		
-1	78723-04	D	GEAR ASSEMBLY - Main, left (less tire, tube, wheel and brake assembly)	1	
	78723-10	E	GEAR ASSEMBLY - Main, left (less tire, tube, wheel and brake assembly)	1	
	78723-05		GEAR ASSEMBLY - Main, right (less tire, tube, wheel and brake assembly)	1	
-2	20754-02	W	* ORIFICE - Main gear	1	
-3	79800-03		* PLATE - Orifice	1	
-4	67755-00		* BEARING - Main gear	1	
-5	187 627		* STRIP - Wiper (S-35-29, Code 10V90-117)	1	
-6	67012-00		* LINK ASSEMBLY - Main gear torque	2	
-7	751 369	W	* * BUSHING - Landing gear strut	1	
-8	67926-08	D	* TRUNNION ASSEMBLY - Main gear, left	1	
	67926-06	E	* TRUNNION ASSEMBLY - Main gear, left	1	
	67926-09		* TRUNNION ASSEMBLY - Main gear, right	1	
-9	37732-00	D	* * BRACKET - Squat and stall warning prevention switches, left	1	
-10	67026-07		* * BUSHING - Trunnion assembly	2	
-11	67026-10		* * BUSHING - Trunnion assembly	1	
-12	401 266	W	* * BOLT - (AN3-5A)	2	
	407 584	W	* * WASHER - (AN960-10L)	2	
	404 887	W	* * NUT - (MS20365-1032C)	2	
-13	67753-00		* * PLATE - Attachment	1	
-14	67037-04		* STRUT ASSEMBLY - Main gear	2	
-15	66820-00		* * NUT - Main gear axle assembly	1	
-16	67036-00		* * BEARING - Main strut, upper	1	
-17	20784-00	W	* * PIN - Main strut	2	
-18	484 799		* "O" RING - (MS28775-327)	1	
-19	462 034	W	* "O" RING - (AN6230-5)	1	
-20	484 714	W	* RING - Retainer (MS28782-15)	1	
-21	484 684		* RING - Snap (N5000-118MD)	1	
-22	484 685		* RING - Snap (N5000-250MD)	1	
-23	462 024	W	* GASKET - Air valve (AN901-5A)	1	
-24	80122-88	W	* WASHER - Main gear	1	
-25	404 843	W	* NUT - (MS20364-1216C)	1	
-26	494 114		* WASHER - (96312) Left	1	
-27	455 124	W	* CORE - Air valve (AN809-1)	1	
-28	453 124	W	* BODY - Air valve (AN812-1)	1	
-29	454 053	W	* CAP - Air valve (AN813-18)	1	
-30	484 790		* "O" RING - (MS28775-210)	1	
-31	402 312		* BOLT - (AN174-14)	1	
	407 565	W	* WASHER - (AN960-416)	4	
	404 101	W	* NUT - (AN310-4)	1	
	424 052	W	* COTTER PIN - (MS24665-134)	1	
-32	402 344	W	* BOLT - (AN175-32)	1	
	407 586	W	* WASHER - (AN960-516L)	1	
	404 102	W	* NUT - (AN310-5)	1	
	424 052	W	* COTTER PIN - (MS24665-134)	1	
-33	402 345	W	* BOLT - (AN175-33) Left	1	
	402 344	W	* BOLT - (AN175-32) Right	1	
	407 566	W	* WASHER - (AN960-516) Right	1	
	404 102	W	* NUT - (AN310-5)	1	
	424 052	W	* COTTER PIN - (MS24665-134)	1	
-34	67023-00	D	* BRACKET - Squat switch, left	1	
	36774-02	E	* BRACKET - Squat switch, left	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
26-35	484 828		* RING - Standard perfect circle (R19047)	1	
-36	63900-103		BUSHING - Main gear	2	
-37	401 320		BOLT - (AN4-C20A)	12	
	407 675	W	WASHER - (AN960-C416)	12	
	404 888	W	NUT - (MS20365-428C)	12	
-38	63901-17		HOSE ASSEMBLY - Brake line	2	
-39	554 734		CLAMP - (PS10017-14-9)	4	
-40	67277-00	W	CLAMP	2	
-41	476 648	W	NIPPLE - (AN816-4D)	2	
-42	63484-00		BUSHING - Main gear	2	
-43	761 975	C.W	TIRE - (6.00 x 6, 8 ply) B.F. Goodrich	2	
	451 745	C	TIRE - (6.00 x 6, 8 ply) McCreary Airhawk	2	
-44	451 735	W	TUBE - (6.00 x 6)	2	
-45	551 706	A	BRAKE ASSEMBLY - Main (30-65)	2	
	551 725	A,C	BRAKE ASSEMBLY - Main (30-83A) (heavy duty)	2	
-46	551 765	B	WHEEL ASSEMBLY - Main (40-90A)	2	
	551 770	B,C	WHEEL ASSEMBLY - Main (40-120C) (heavy duty)	2	
-47	63900-115		BUSHING - Main gear axle	1	
-48	67026-07		BEARING - Strut	4	
-49	35669-92		PLACARD - Oleo service instructions	2	
-50	80122-89	W	WASHER - Main gear	1	
-51	36750-04	E	BRACKET - Squat and stall warning prevention switches, left	1	
-52	63900-11		BUSHING - Main gear	2	
-53	401 329	W	BOLT - (AN4-31A)	2	
	407 585	W	WASHER - (AN960-416L)	2	
	404 888	W	NUT - (MS20365-428C)	2	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

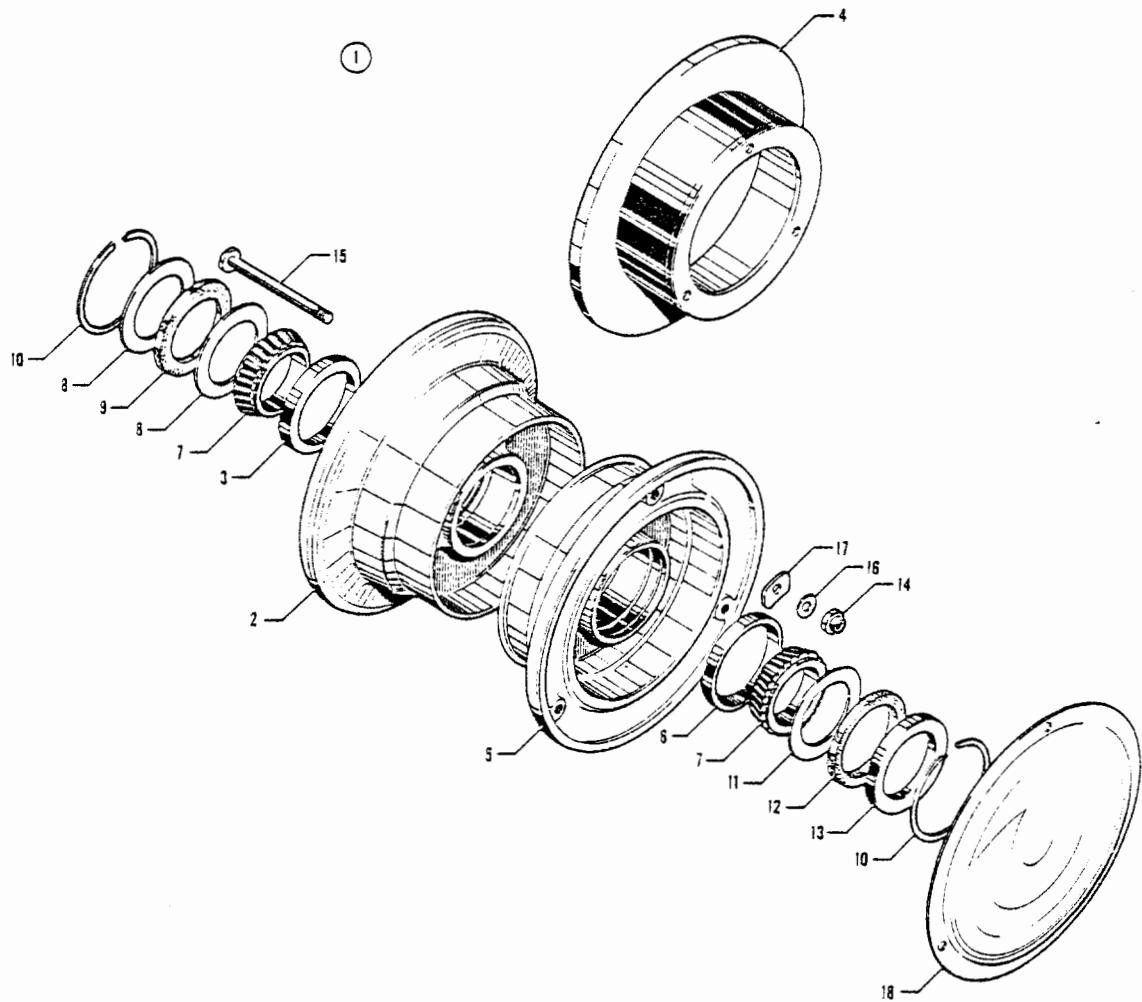


Figure 27. Main Wheel Assembly

REVISED: MARCH 1980

1E20

PA-44-180
PA-44-180T

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 27

- A - If brake disc is stamped with Cleveland No. 164-22A or if bolt hole is spot faced, (2) washers P/N 407 566 must be installed under each bolt head and (1) washer P/N 407 566 must be installed under each nut. If brake disc is not stamped with Cleveland No. 164-22A and bolt hole is not spot faced, (1) washer P/N 756 609 must be installed under each bolt head and (1) washer P/N 407 566 must be installed under each nut.
- B - One (1) washer used under each bolt head if brake disc is not stamped with Cleveland No. 164-22A and bolt hole is not spot faced.
- C - Used on Wheel Assembly 40-90A only.
- D - Used on Wheel Assembly 40-120C only.
- W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
27-1	551 765		WHEEL ASSEMBLY - Main (Cleveland 40-90A)	1	
	551 770		WHEEL ASSEMBLY - Main (Cleveland 40-120C)(heavy duty)	1	
-2	756 666	C	* WHEEL - Half, inner (161-47)	1	
	756 679	D	* WHEEL - Half, inner (161-61)	1	
-3	751 494	W	* * CUP - Bearing (13836)	1	
-4	754 643	C	* DISC ASSEMBLY - Brake (164-23)	1	
	754 614	D	* DISC ASSEMBLY - Brake (164-46)	1	
-5	756 665	C	* WHEEL - Half, outer (162-45)	1	
	756 680	D	* WHEEL - Half, outer (162-57)	1	
-6	751 494	W	* * CUP - Bearing (13836)	1	
-7	751 489	W	* BEARING - Cone, Timken (13889)	2	
-8	755 999	W	* RING - Grease seal (153-4)	2	
-9	751 772	W	* FELT - Grease seal (154-3)	1	
-10	752 830	W	* RING - Snap (155-1)	2	
-11	755 929	W	* RING - Grease seal (153-3)	1	
-12	751 810	W	* FELT - Grease seal (154-13)	1	
-13	755 930	W	* RING - Grease seal (153-15)	1	
-14	404 889	C,W	* NUT - Wheel bolt (AN365-524)	3	
	404 889	D,W	* NUT - Wheel bolt (AN365-524)	6	
-15	753 473	A,C,W	* BOLT - Wheel (AN5-36A)	3	
	401 375	D	* BOLT - Wheel (AN5-35A)	6	
-16	407 566	A,C,W	* WASHER - Wheel bolt (AN960-516)	AR	
	407 566	D,W	* WASHER - Wheel bolt (AN960-516)	6	
-17	756 609	B,C,W	* WASHER - Wheel bolt (95-8)	3	
-18	753 923		CAP - Hub (157-9)(451 783)	2	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

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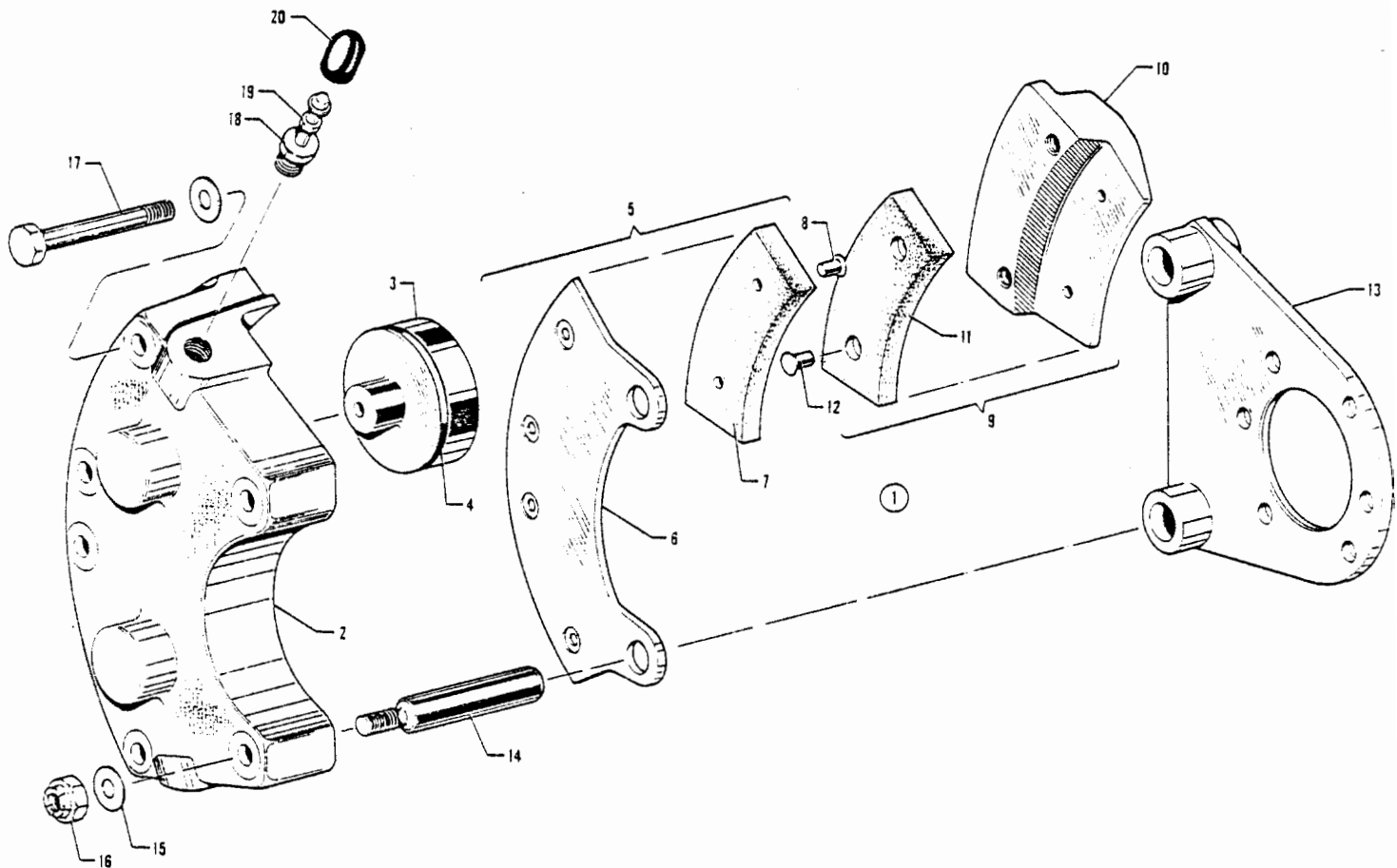


Figure 28. Brake Assembly

REVISED: MARCH 1980

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 28

A - Used on Brake Assembly 30-83A only.

B - Used on Brake Assembly 30-65 only.

W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
28-1	551 706		BRAKE ASSEMBLY - (30-65)	2	
	551 725		BRAKE ASSEMBLY - (30-83A)(heavy duty)	2	
-2	753 936	B	* CYLINDER - Brake (61-18)	1	
	758 093	A	* CYLINDER - Brake (61-25)	1	
-3	755 887	B	* PISTON - (62-15)	2	
	757 483	A	* PISTON ASSEMBLY - (92-18)	2	
-4	484 698	B,W	* "O" RING - (AN6227-27)	2	
-5	757 207	B	* PLATE ASSEMBLY - Pressure (73-10)	1	
	757 485	A	* PLATE ASSEMBLY - Pressure (73-16)	1	
-6	757 208	B	* * PLATE - Pressure (63-11)	1	
-7	752 342	B	* * LINING - Pressure plate (66-30)	2	
	761 197	A	* * LINING - Pressure plate (66-62)	2	
-8	752 826	B,W	* * RIVET - Pressure plate lining (561)	4	
-9	755 885	B	* PLATE ASSEMBLY - Back (74-10)	2	
	757 484	A	* PLATE ASSEMBLY - Back (74-30)	2	
-10	755 886	B	* * PLATE - Back (64-15)	2	
-11	752 342	B	* * LINING - Back plate (66-30)	2	
	761 197	A	* * LINING - Back plate (66-62)	2	
-12	752 826	B,W	* * RIVET - Back plate lining (561)	4	
-13	451 786		* TORQUE PLATE ASSEMBLY - (75-39)	1	
-14	753 407	W	* BOLT - Anchor (69-4)	2	
-15	407 585	W	* WASHER - (AN960-416L)	6	
-16	404 888	W	* NUT - (AN365-428)	2	
-17	753 430		* BOLT - (LP4-20AM)	4	
-18	752 966	W	* SEAT - Bleeder (37-206)	1	
-19	752 965	W	* SCREW - Bleeder (FC-6446)	1	
-20	753 850	W	* CAP - Bleeder (183-1)	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

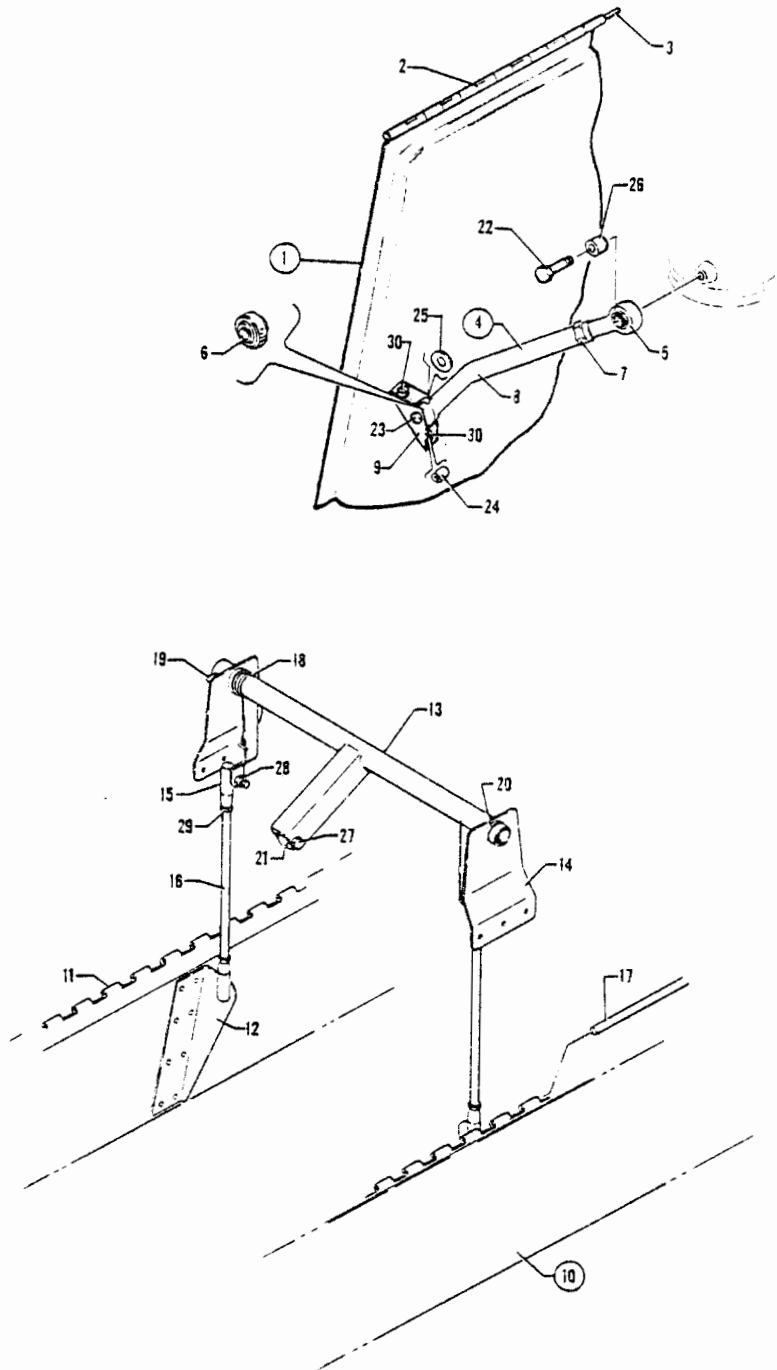


Figure 29. Landing Gear Door Installation

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 29

W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
29-	86262 95912		DRAWING - Nose Door Mechanism Installation DRAWING - Main Gear Installation		
-1	67090-10		DOOR ASSEMBLY - Main gear, left	1	
	67090-11		DOOR ASSEMBLY - Main gear, right	1	
-2	67093-04		* HINGE HALF - Main gear door, left	1	
	67093-05		* HINGE HALF - Main gear door, right	1	
-3	63744-11		PIN - Hinge, main gear door	2	
-4	37722-02		ROD ASSEMBLY - Main gear door	2	
*5	452 335	W	* BEARING - Rod end (PS10020-2-1RX)	1	
-6	452 584	W	* BEARING - (PS10020-7-3)	1	
-7	404 321	W	* NUT - (AN316-C4R)	1	
-8	37722-03		* ROD ASSEMBLY	1	
-9	67091-00		BRACKET - Main gear door	2	
-10	86263-02		DOOR ASSEMBLY - Nose gear left	1	
	86263-03		DOOR ASSEMBLY - Nose gear right	1	
-11	86263-07		* HINGE HALF - Nose gear door, left	1	
	86263-08		* HINGE HALF - Nose gear door, right	1	
-12	86263-04		* BRACKET - Nose gear door, left	1	
	86263-05		* BRACKET - Nose gear door, right	1	
-13	86262-03		TUBE ASSEMBLY - Gear mechanism	1	
-14	86262-05		SUPPORT ASSEMBLY - Gear mechanism, left	1	
	86262-12		SUPPORT ASSEMBLY - Gear mechanism, right	1	
-15	31747-00	W	JOINT ASSEMBLY - Ball	4	
-16	86262-08		ROD - Nose gear door	2	
-17	86262-09		HINGE PIN	2	
-18	24033-00		SPRING - Gear mechanism, left	1	
	24033-01		SPRING - Gear mechanism, right	1	
-19	86262-15		PIN	1	
-20	452 647		BUSHING - Nylon (PS10065-17)	2	
-21	452 386		ROLLER - (NAS506-4)	1	
-22	401 268		BOLT - (AN3H-10A)	2	
	407 674	W	WASHER - (AN960-C10)	2	
	407 682	W	WASHER - (AN960-C10L)	4	
-23	403 055	W	BOLT - (AN3C-10A)	2	
	407 682	W	WASHER - (AN960-C10L)	4	
	404 887	W	NUT - (MS20365-1032C)	2	
-24	63900-31		BUSHING - (.19 long)	2	
-25	62833-103		WASHER	2	
-26	63900-145		BUSHING	2	
-27	400 703		BOLT - (AN24-16)	1	
	407 585	W	WASHER - (AN960-416L)	1	
	404 101	W	NUT - (AN310-4)	1	
	424 052	W	COTTER PIN - (MS24665-134)	1	
-28	407 584	W	WASHER - (AN960-10L)	4	
	404 887	W	NUT - (MS20365-1032C)	4	
-29	404 243	W	NUT - Check (AN315C3R)	4	
-30	411 536		SCREW - (MS35207-267)	4	
	407 564	W	WASHER - (AN960-10)	4	
	404 887	W	NUT - (MS20365-1032C)	4	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

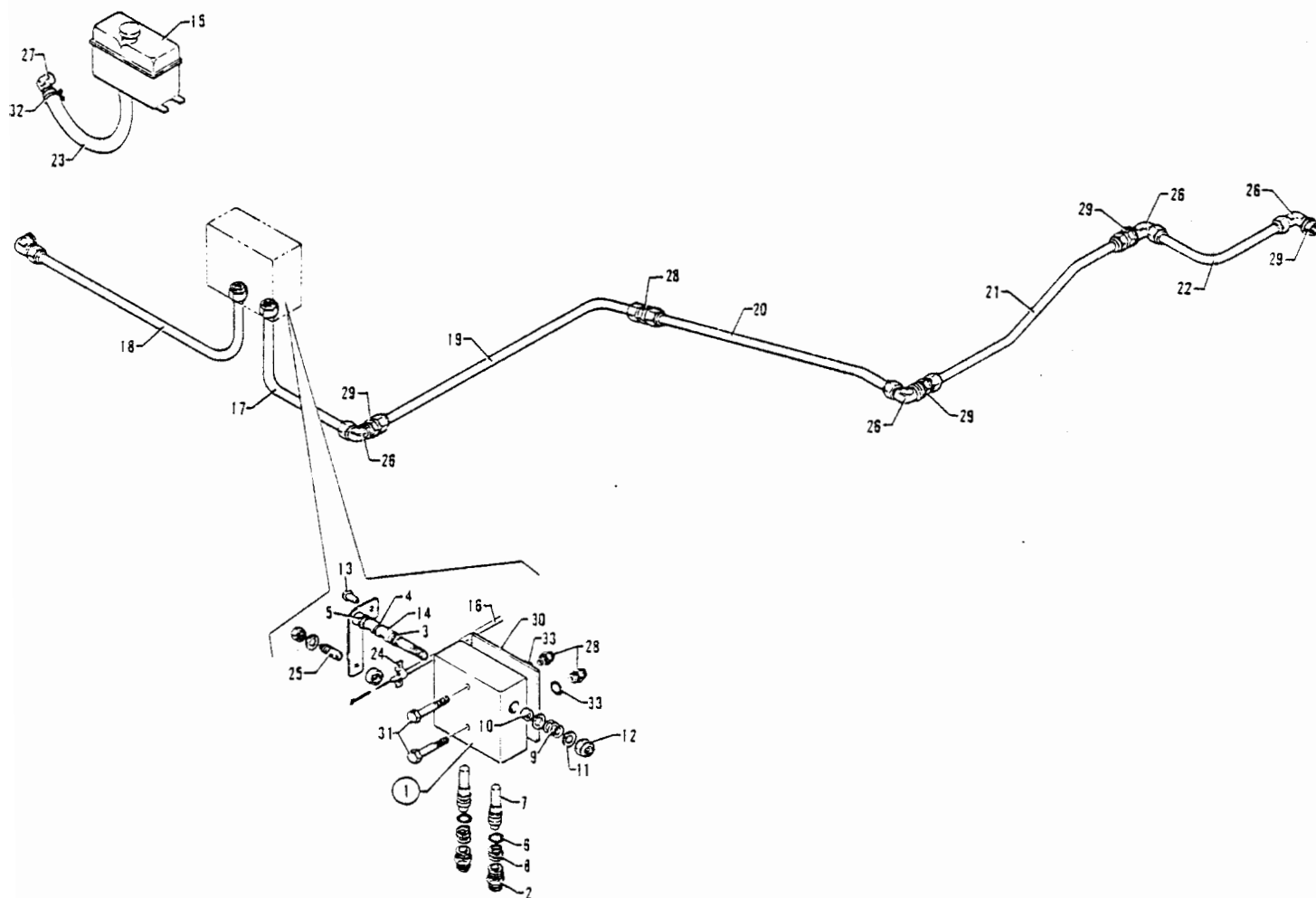


Figure 30. Hand Brake Installation

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PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 30

W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
30-	86426		DRAWING - Brake Lines Installation		
-1	492 152	W	VALVE - Parking brake (060-00301)	1	
-2	476 648	W	* FITTING - Tube (AN816-4D)	2	
-3	752 735	W	* "O" RING - (AN6227-3) (484 707)	1	
-4	484 700		* "O" RING - (AN6227-5)	1	
-5	484 708		* "O" RING - (AN6227-6)	1	
-6	755 908		* "O" RING - (AN6227-1)	2	
-7	753 110		* VALVE - (146-2)	2	
-8	762 333	W	* SPRING - (82-44)	2	
-9	756 119		* SPRING - (82-10)	1	
-10	751 445		* BUSHING - (145-7)	1	
-11	407 564	W	* WASHER - (AN960-10)	2	
-12	404 835	W	* NUT - (AN364-1032)	1	
-13	757 238		* PIN - (177-2)	2	
-14	757 879		* CAM ASSEMBLY - Valve (181-00301)	1	
-15	96474-00		RESERVOIR ASSEMBLY - Brake system	1	
-16	554 471		CABLE ASSEMBLY - Parking brake (PS50146-2-1)	1	
-17	86238-35		TUBE ASSEMBLY - Brake, left	1	
-18	86238-36		TUBE ASSEMBLY - Brake, right	1	
-19	86238-54		TUBE ASSEMBLY - Brake, left	1	
	86238-28		TUBE ASSEMBLY - Brake, right	1	
-20	86238-23		TUBE ASSEMBLY - Brake	2	
-21	86238-25		TUBE ASSEMBLY - Brake	2	
-22	86238-43		TUBE ASSEMBLY - Brake, left	1	
	86238-47		TUBE ASSEMBLY - Brake, right	1	
-23	63913-96		HOSE	1	
-24	66853-00		CLAMP - Parking valve cable	1	
-25	70371-02	W	FITTING - Swivel	1	
	70371-03	W	STUD	1	
	404 100	W	NUT - (AN310-3)	1	
	424 032	W	COTTER PIN - (MS24665-170)	1	
-26	458 900	W	ELBOW - (AN833-4D)	8	
-27	558 850		ELBOW - (AN838-4D)	1	
-28	491 050	W	UNION - (AN815-4D)	4	
-29	407 568	W	WASHER - (AN960-716)	16	
	477 618	W	NUT - (AN924-4D)	8	
-30	86382-04		DOUBLER ASSEMBLY - Valve	1	
-31	400 060	W	BOLT - (AN3-15)	2	
-32	454 983	W	CLAMP - (SAE TYE-8)	2	
-33	462 027	W	"O" RING - (AN6290-4)	2	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

--- PIPER PARTS CATALOG ---

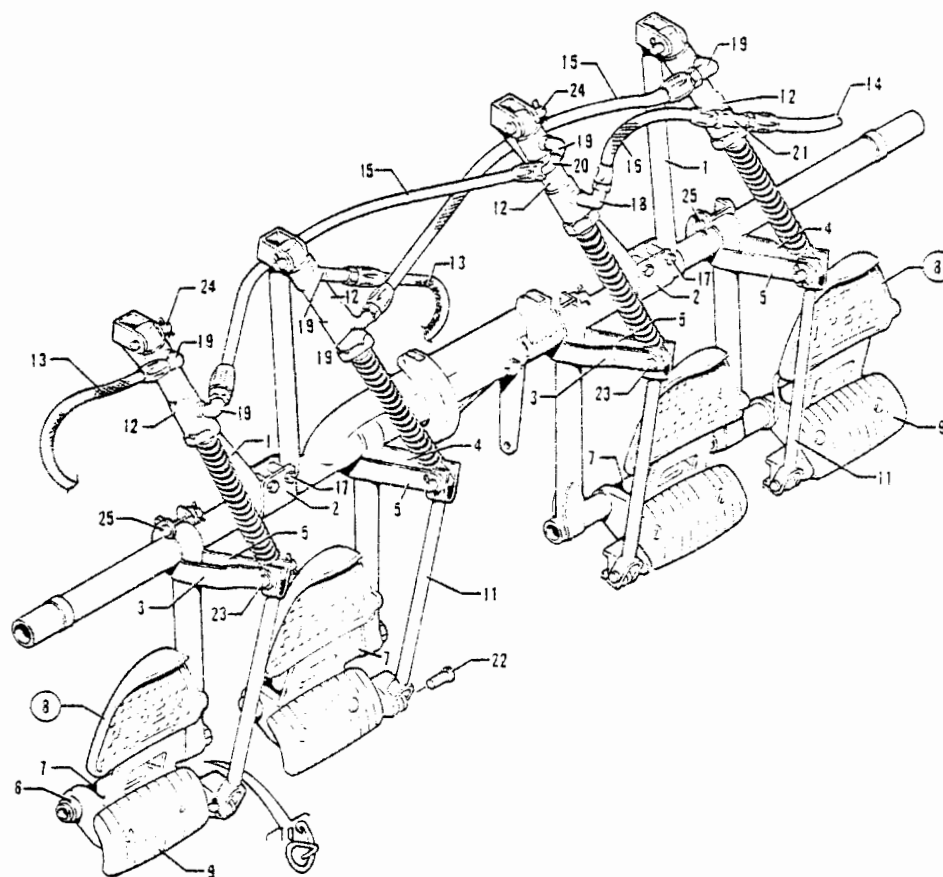


Figure 31. Toe Brake Installation

REVISED: MARCH 1980

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PA-44-180
PA-44-180T

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 31

A - See Figure 32 for component parts.

B - No longer available. Order Master Cylinder Assembly, part number 455 968 (Cleveland 10-30) or 455 944 (Gar-Kenyon 17000) as a replacement.

W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
31-	86287 86284 86426		DRAWING - Dual Toe Brake Control Assembly DRAWING - Control System Installation DRAWING - Brake Lines Installation		
-1	63464-05		BRACE ASSEMBLY - Toe brake	2	
-2	63468-00		BRACKET - Toe brake	2	
-3	63469-00		ARM - Toe brake	2	
-4	63469-01		ARM - Toe brake	2	
-5	63470-00		ARM - Toe brake	4	
-6	453 714		BEARING - Brake pedal (PS10065-37)	8	
-7	63478-00		SPACER - Toe pedal	4	
-8	63485-00		PEDAL ASSEMBLY - Toe brake, left inboard	1	
	63485-02		PEDAL ASSEMBLY - Toe brake, left outboard	1	
	63485-01		PEDAL ASSEMBLY - Toe brake, right inboard	1	
	63485-03		PEDAL ASSEMBLY - Toe brake, right outboard	1	
-9	62867-02		* PAD ASSEMBLY - Brake pedal	1	
-10	63594-00		CLIP - Spring, left outboard pedal	1	
	63594-01		CLIP - Spring, right outboard pedal	1	
-11	79430-00		CLEVIS ASSEMBLY - Toe brake	4	
-12	455 948	A,B	CYLINDER ASSEMBLY - Master (10-27) Cleveland	4	
	455 968	A	CYLINDER ASSEMBLY - Master (10-30) Cleveland	4	
	455 944	A	CYLINDER ASSEMBLY - Master (17000) Gar-Kenyon	4	
-13	63901-85		HOSE ASSEMBLY - Flexible	2	
-14	63901-31		HOSE ASSEMBLY - Flexible	1	
-15	63901-21		HOSE ASSEMBLY - Flexible	2	
-16	63901-22		HOSE ASSEMBLY - Flexible	AR	
	424 176	W	PIN - Flat head (MS20392-2C15)	AR	
-17	400 444	W	BOLT - (AN3-13A)	4	
	407 564	W	WASHER - (AN960-10)	4	
	404 887	W	NUT - (MS20365-1032C)	4	
-18	458 894	W	ELBOW - (MS20822-4D)	1	
-19	458 904	W	ELBOW - (AN914-1D)	6	
-20	458 891	W	ELBOW - (MS20823-4D)	1	
-21	488 499		TEE - (MS20825-4D)	1	
-22	424 175	W	PIN - Flat head (MS20392-2C13)	AR	
	424 176	W	PIN - Flat head (MS20392-2C15)	AR	
-23	424 181	W	PIN - Flat head (MS20392-2C25)	4	
-24	424 184	W	PIN - Flat head (MS20392-2C31)	4	
-25	424 357		PIN - Flat head (MS20392-2C39)	4	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

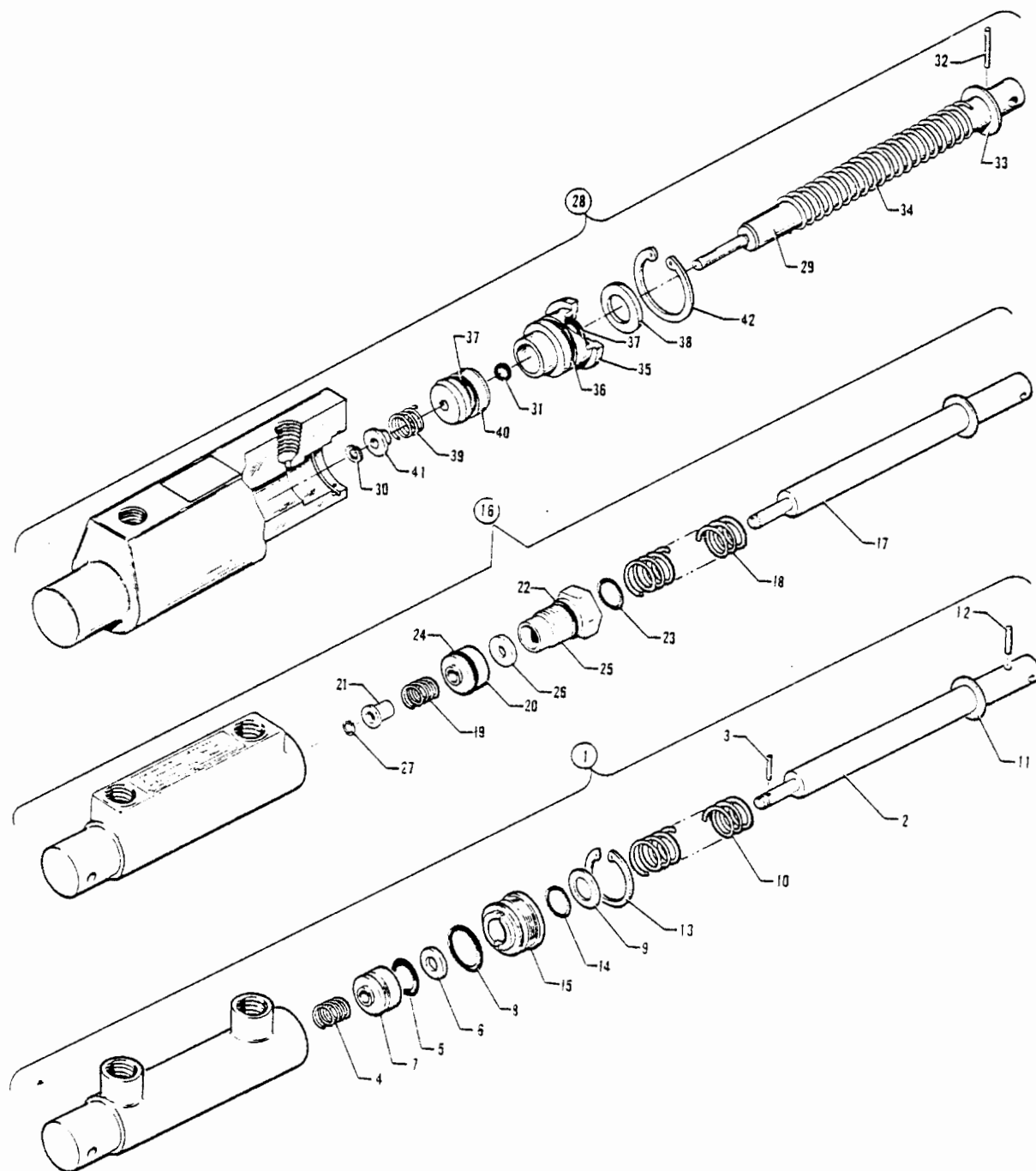


Figure 32. Toe Brake Master Cylinder Assembly

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 32

A - No longer available. Order Master Cylinder Assembly, part number 455 968 (Cleveland 10-30) or 455 944 (Gar-Kenyon 17000) as a replacement.

W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
32-1	455 948	A	CYLINDER ASSEMBLY - Master (10-27) Cleveland	4	
-2	757 316		* PISTON ROD ASSEMBLY - (182-01100)	1	
-3	757 317		* * ROLL PIN - (223-00600)	1	
-4	757 580		* * SPRING - (082-02100)	1	
-5	484 748		* * "O" RING - (AN6227-8)	1	
-6	756 620		* * WASHER - Seal (095-25200)	1	
-7	757 437		* * PISTON - (148-01200)	1	
-8	484 706	W	* * "O" RING - (AN6227-11)	1	
-9	756 621		* WASHER - Wiper (095-01300)	1	
-10	756 118	W	* SPRING - (82-9)	1	
-11	756 622		* WASHER - (095-10100)	1	
-12	757 318		* ROLL PIN - (223-00500)	1	
-13	756 019		* RETAINING RING - (155-01200)	1	
-14	484 701	W	* "O" RING - (AN6227-7)	1	
-15	755 028		* GLAND - Packing (141-01200)	1	
-16	455 944		CYLINDER ASSEMBLY - Master (17000) Gar-Kenyon	4	
-17	757 480		* PISTON ROD AND RING ASSEMBLY - (95404)		
			includes spring retaining ring	1	
-18	762 276		* SPRING - (17005)	1	
-19	762 277		* SPRING - (17006)	1	
-20	757 479		* PISTON - (17003)	1	
-21	762 275		* SLEEVE - (17007)	1	
-22	752 584		* "O" RING - (MS28775-113)	1	
-23	484 788		* "O" RING - (MS28775-012)	1	
-24	752 585		* "O" RING - (MS28775-110)	1	
-25	754 848		* FITTING - (17002)	1	
-26	494 177		* SEAL - (110-3/16)	1	
-27	762 531		* RING - Retaining (XRC-313)	1	
-28	455 968		CYLINDER ASSEMBLY - Master (10-30) Cleveland	4	
-29	763 451		* PISTON ROD ASSEMBLY - (182-22)	1	
-30	762 586		* * RING - Snap (155-48)	1	
-31	762 585		* * "O" RING - (101-1)	1	
-32	757 318		* * ROLL PIN - (223-00500)	1	
-33	756 622		* * WASHER - (095-10100)	1	
-34	756 118	W	* * SPRING - (82-9)	1	
-35	755 082		* * GLAND - Packing (141-25)	1	
-36	756 018		* * "O" RING - (101-01100)	1	
-37	756 016		* * "O" RING - (101-00800)	2	
-38	756 621		* * WASHER - Wiper (095-01300)	1	
-39	757 580		* * SPRING - (082-02100)	1	
-40	763 450		* * PISTON - (148-25)	1	
-41	758 457		* * BUSHING - (145-58)	1	
-42	762 587		* RING - Snap (155-47)	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

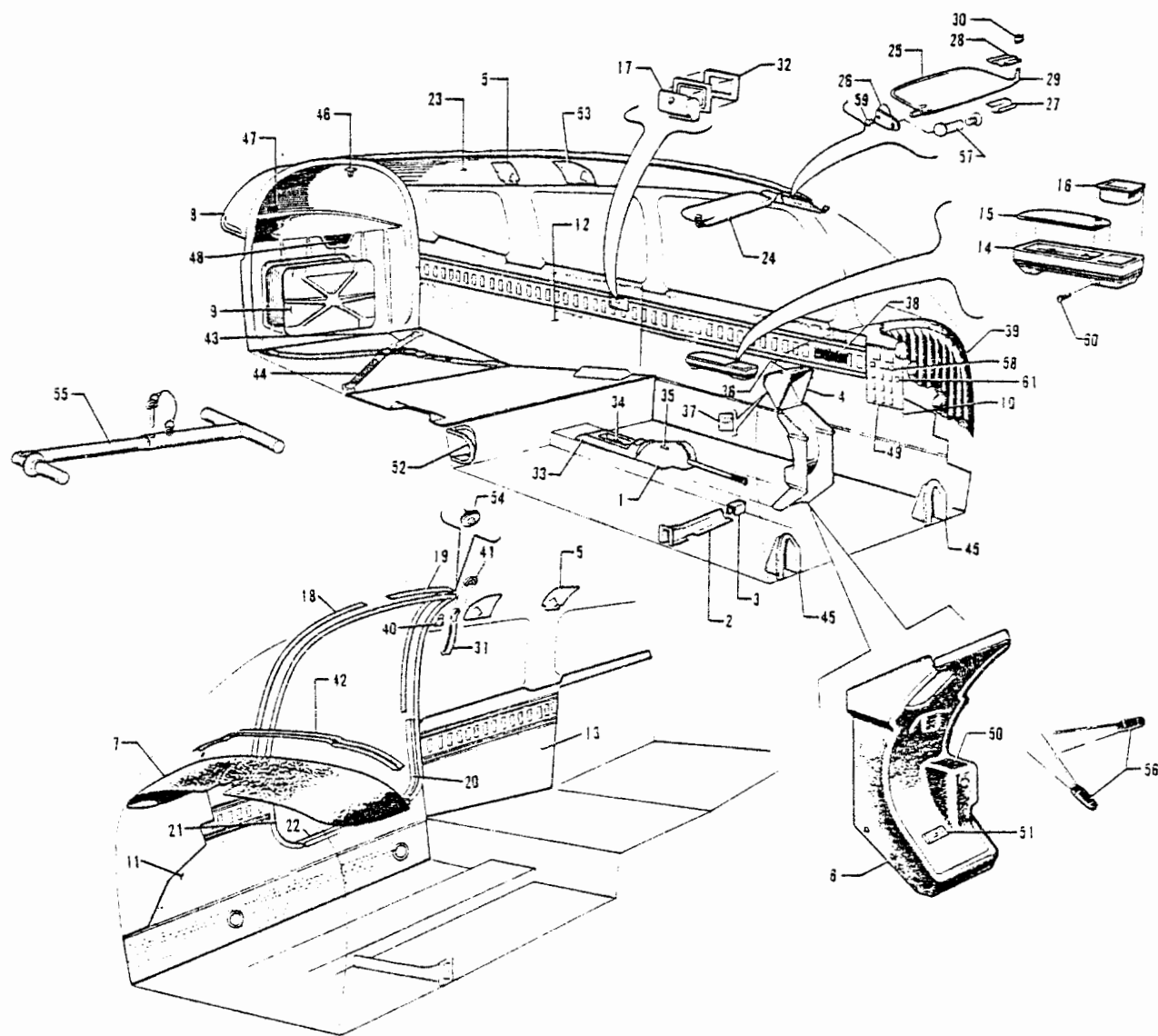


Figure 33. Cockpit Finishing Installation

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 33

- A - When ordering, specify color "bark II" or black.
- B - Used on PA-44-180 only.
- C - Used on PA-44-180T only.
- D - Used on PA-44-180 with serial numbers 44-7995295 and up, and PA-44-180T.
- E - Used on PA-44-180 with serial numbers 44-8095001 and up, and PA-44-180T.
- F - Used on PA-44-180 with serial numbers 44-7995014 and up, and PA-44-180T.
- G - Used if shoulder belts without inertia reel are installed.
- H - Used if shoulder belts with inertia reel are installed.
- J - Used on PA-44-180 with serial numbers 44-8195001 and up, and PA-44-180T with serial numbers 44-8107001 and up.
- K - Used on PA-44-180 with serial numbers 44-7995295 to 44-8095037 inclusive, and PA-44-180T with serial numbers 44-8107001 to 44-8107026 inclusive.
- L - Used on PA-44-180 with serial numbers 44-8095001 to 44-8095037 inclusive, and PA-44-180T with serial numbers 44-8107001 to 44-8107026 inclusive.
- M - Used on PA-44-180 with serial numbers 44-8295001 and up, and PA-44-180T with serial numbers 44-8207001 and up.
- N - Used on PA-44-180 with serial numbers 44-8295001 and up, and PA-44-180T with serial numbers 44-8107033, 44-8207001 and up.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
33-	86690 99902 66991		DRAWING - Cockpit Finishing Installation DRAWING - Interior Panels Installation DRAWING - Sun Visor Installation		
-1	86751-02	A	COVER ASSEMBLY - Flap handle	1	
-2	86775-04	A	COVER ASSEMBLY - Fuselage frame, outboard, left	1	
	86775-05	A	COVER ASSEMBLY - Fuselage frame, outboard, right	1	
-3	63144-00		COVER - Fuselage frame, inboard	2	
-4	95808-08	A	COVER ASSEMBLY - Engine controls	1	
-5	99920-02		COVER ASSEMBLY - Shoulder harness, rear, left	1	
	99920-03		COVER ASSEMBLY - Shoulder harness, rear, right	1	
-6	86780-02	A,B	COVER - Console	1	
	86863-02	A,C	COVER - Console	1	
-7	67325-00		COVER - Cowl	1	
-8	79838-02		BULKHEAD ASSEMBLY - Rear cabin	1	
-9	79445-00		DOOR ASSEMBLY - Access cover	1	
-10	579 438		PANEL ASSEMBLY - Left front cockpit, white/camel/black (with heather carpet)	1	
	579 439	B	PANEL ASSEMBLY - Left front cockpit, olivetone (with palm carpet)	1	44-7995001 to 44-7995353 incl.
	579 440	B	PANEL ASSEMBLY - Left front cockpit, midnight blue (with royal blue carpet)	1	44-7995001 to 44-7995294 incl.
	579 359	K	PANEL ASSEMBLY - Left front cockpit, dark blue (with royal blue carpet)	1	
	579 299	J	PANEL ASSEMBLY - Left front cockpit, dark blue (with heather carpet)	1	
	579 205	J	PANEL ASSEMBLY - Left front cockpit, dark blue (with dark blue carpet)	1	
	579 441	B	PANEL ASSEMBLY - Left front cockpit, raspberry/black (with raspberry carpet)	1	44-7995001 to 44-7995353 incl.
	579 442	B	PANEL ASSEMBLY - Left front cockpit, tan/seal (with brown carpet)	1	44-7995001 to 44-7995353 incl.
	579 352	L	PANEL ASSEMBLY - Left front cockpit, firethorn red (with raspberry carpet)	1	
	579 298	J	PANEL ASSEMBLY - Left front cockpit, firethorn red (with heather carpet)	1	
	579 382	E	PANEL ASSEMBLY - Left front cockpit, firethorn red (with firethorn red carpet)	1	
	579 353	L	PANEL ASSEMBLY - Left front cockpit, buckskin (with brown carpet)	1	
	579 383	E	PANEL ASSEMBLY - Left front cockpit, buckskin (with medium saddle carpet)	1	
	579 297	J	PANEL ASSEMBLY - Left front cockpit, dark cedar (knit) (with dark cedar carpet)	1	
	579 109	M	PANEL ASSEMBLY - Left front cockpit, dark cedar (velour) (with dark cedar carpet)	1	
	579 107	M	PANEL ASSEMBLY - Left front cockpit, dark carmine (with dark carmine carpet)	1	
	579 108	M	PANEL ASSEMBLY - Left front cockpit, sandalwood (with dark saddle carpet)	1	
-11	579 433		PANEL ASSEMBLY - Right front cockpit, white/camel/black (with heather carpet)	1	
	579 434	B	PANEL ASSEMBLY - Right front cockpit, olivetone (with palm carpet)	1	44-7995001 to 44-7995353 incl.
	579 435	B	PANEL ASSEMBLY - Right front cockpit, midnight blue (with royal blue carpet)	1	44-7995001 to 44-7995294 incl.
	579 355	K	PANEL ASSEMBLY - Right front cockpit, dark blue (with royal blue carpet)	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
33-11	579 273	J	PANEL ASSEMBLY - Right front cockpit, dark blue (with heather carpet)	1	
	579 204	J	PANEL ASSEMBLY - Right front cockpit, dark blue (with dark blue carpet)	1	
	579 436	B	PANEL ASSEMBLY - Right front cockpit, raspberry/black (with raspberry carpet)	1	44-7995001 to 44-7995353 incl.
	579 437	B	PANEL ASSEMBLY - Right front cockpit, tan/seal (with brown carpet)	1	44-7995001 to 44-7995353 incl.
	579 344	L	PANEL ASSEMBLY - Right front cockpit, firethorn red (with raspberry carpet)	1	
	579 272	J	PANEL ASSEMBLY - Right front cockpit, firethorn red (with heather carpet)	1	
	579 372	E	PANEL ASSEMBLY - Right front cockpit, firethorn red (with firethorn red carpet)	1	
	579 345	L	PANEL ASSEMBLY - Right front cockpit, buckskin (with brown carpet)	1	
	579 373	E	PANEL ASSEMBLY - Right front cockpit, buckskin (with medium saddle carpet)	1	
	579 274	J	PANEL ASSEMBLY - Right front cockpit, dark cedar (knit) (with dark cedar carpet)	1	
	579 091	M	PANEL ASSEMBLY - Right front cockpit, dark cedar (velour) (with dark cedar carpet)	1	
	579 089	M	PANEL ASSEMBLY - Right front cockpit, dark carmine (with dark carmine carpet)	1	
	579 090	M	PANEL ASSEMBLY - Right front cockpit, sandalwood (with dark saddle carpet)	1	
-12	579 411		PANEL ASSEMBLY - Left rear cockpit, white/camel/black	1	
	579 563	B	PANEL ASSEMBLY - Left rear cockpit, olivetone	1	44-7995001 to 44-7995353 incl.
	579 564	B	PANEL ASSEMBLY - Left rear cockpit, midnight blue	1	44-7995001 to 44-7995294 incl.
	579 268	J	PANEL ASSEMBLY - Left rear cockpit, dark blue (vinyl)	1	
	579 317	D	PANEL ASSEMBLY - Left rear cockpit, dark blue (velour)	1	
	579 565	B	PANEL ASSEMBLY - Left rear cockpit, raspberry/black	1	44-7995001 to 44-7995353 incl.
	579 566	B	PANEL ASSEMBLY - Left rear cockpit, tan/seal	1	44-7995001 to 44-7995353 incl.
	579 267	J	PANEL ASSEMBLY - Left rear cockpit, firethorn red (vinyl)	1	
	579 340	E	PANEL ASSEMBLY - Left rear cockpit, firethorn red (velour)	1	
	579 341	E	PANEL ASSEMBLY - Left rear cockpit, buckskin	1	
	579 266	J	PANEL ASSEMBLY - Left rear cockpit, dark cedar (knit)	1	
	579 085	M	PANEL ASSEMBLY - Left rear cockpit, dark cedar (velour)	1	
	579 083	M	PANEL ASSEMBLY - Left rear cockpit, dark carmine	1	
	579 084	M	PANEL ASSEMBLY - Left rear cockpit, sandalwood	1	
-13	579 413		PANEL ASSEMBLY - Right rear cockpit, white/camel/black	1	
	579 571	B	PANEL ASSEMBLY - Right rear cockpit, olivetone	1	44-7995001 to 44-7995353 incl.
	579 572	B	PANEL ASSEMBLY - Right rear cockpit, midnight blue	1	44-7995001 to 44-7995294 incl.
	579 286	J	PANEL ASSEMBLY - Right rear cockpit, dark blue (vinyl)	1	
	579 356	D	PANEL ASSEMBLY - Right rear cockpit, dark blue (velour)	1	
	579 573	B	PANEL ASSEMBLY - Right rear cockpit, raspberry/black	1	44-7995001 to 44-7995353 incl.
	579 574	B	PANEL ASSEMBLY - Right rear cockpit, tan/seal	1	44-7995001 to 44-7995353 incl.
	579 346	L	PANEL ASSEMBLY - Right rear cockpit, firethorn red	1	
	579 285	J	PANEL ASSEMBLY - Right rear cockpit, firethorn red (vinyl)	1	
	579 282	J	PANEL ASSEMBLY - Right rear cockpit, firethorn red (velour)	1	
	579 347	L	PANEL ASSEMBLY - Right rear cockpit, buckskin	1	
	579 283	J	PANEL ASSEMBLY - Right rear cockpit, buckskin	1	
	579 284	J	PANEL ASSEMBLY - Right rear cockpit, dark cedar (knit)	1	
	579 121	M	PANEL ASSEMBLY - Right rear cockpit, dark cedar (velour)	1	
-14	579 119	M	PANEL ASSEMBLY - Right rear cockpit, dark carmine	1	
	579 120	M	PANEL ASSEMBLY - Right rear cockpit, sandalwood	1	
	66710-16		HOUSING ASSEMBLY - Armrest, left side	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
33-15	580 731		PAD - Armrest, camel	1	
	579 507	B	PAD - Armrest, olivetone	1	44-7995001 to 44-7995353 incl.
	579 508	B	PAD - Armrest, midnight blue	1	44-7995001 to 44-7995294 incl.
	579 228	J	PAD - Armrest, dark blue (vinyl)	1	
	579 474	D	PAD - Armrest, dark blue (velour)	1	
	579 509	B	PAD - Armrest, black	1	44-7995001 to 44-7995353 incl.
	579 510	B	PAD - Armrest, tan	1	44-7995001 to 44-7995353 incl.
	579 227	J	PAD - Armrest, firethorn red (vinyl)	1	
	579 472	E	PAD - Armrest, firethorn red (velour)	1	
	579 473	E	PAD - Armrest, buckskin	1	
	579 226	J	PAD - Armrest, dark cedar (knit)	1	
	579 115	M	PAD - Armrest, dark cedar (velour)	1	
	579 113	M	PAD - Armrest, dark carmine	1	
	579 114	M	PAD - Armrest, sandalwood	1	
-16	751 345		BOX ASSEMBLY - Ashtray	1	
-17	489 388		ASH RECEIVER - (Complete) Chrome (2A20580)	2	
-18	63142-51		TRIMSTRIP - Door frame, top front	1	
-19	63142-55		TRIMSTRIP - Door frame, top rear	1	
-20	63142-56		TRIMSTRIP - Door frame, bottom rear	1	
-21	69403-03		WINDLACING - Door seal	1	
-22	76191-02		SILL - Door	1	
-23	76462-00		HEADLINER ASSEMBLY - Cockpit	1	
-24	65866-00		BLADE - Sun visor (copilot)	1	
-25	86654-02	B	BLADE ASSEMBLY - Sun visor (pilot)	1	
	86896-02	C	BLADE ASSEMBLY - Sun visor (pilot)	1	
-26	65865-00		RETAINER - Sun visor	2	
-27	65870-00		CLIP - Sun visor, upper left, lower right	2	
-28	65871-00		CLIP - Sun visor, upper right, lower left	2	
-29	65867-00		ROD - Sun visor	2	
-30	65869-00		BEARING - Sun visor	4	
-31	79455-00		STRAP - Assist	1	
-32	65269-02		DOUBLER - Ashtray	2	
-33	86752-02	A	COVER - Fuel selector	1	
-34	35669-74		PLACARD - Fuel selector	1	
-35	67786-00		PLACARD - Stabilator trim	1	
-36	95805-00		PLACARD - Engine controls	1	
-37	35669-72		PLACARD - Carburetor heat	1	
-38	35669-66	B	PLACARD - Operating limitations	1	44-7995001 to 44-7995353 incl.
	35669-142	B	PLACARD - Operating limitations	1	44-8095001 and up
	35669-180	C	PLACARD - Operating limitations	1	
-39	99818-00		BLANKET ASSEMBLY - Firewall	1	
-40	76221-00	G	CLIP - Shoulder harness retaining	4	
	76221-00	H	CLIP - Shoulder harness retaining	2	
-41	79456-00		CAP - Assist strap	1	
-42	99967-00		RETAINER - Glare shield, left	1	
	99968-00		RETAINER - Glare shield, right	1	
-43	66804-00		STRAP ASSEMBLY - Baggage tie down (tip end)	2	
-44	66805-00		STRAP ASSEMBLY - Baggage tie down (buckle end)	2	
-45	78735-02	F	COVER - Rudder pedal stool bracket	2	
-46	487 629		STUD ASSEMBLY - Coat hanger (KM894-1A)	2	
-47	66787-00		PLACARD - Soft wear	1	
-48	68399-02		PLACARD - Baggage limitation	1	
-49	86596-03	A.B	COVER - Switch panel, lighted	1	
	86596-07	A.C	COVER - Switch panel, lighted	1	
-50	35669-164		PLACARD - Rudder trim	1	
-51	95961-00		PLACARD - Cowl flap	1	
-52	86781-02	A	COVER - Trim	1	
-53	78054-05		COVER ASSEMBLY - Shoulder harness, left	1	
-54	99790-00		PAD - Shoulder strap control	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
33-55	69975-09		TOW BAR ASSEMBLY	1	
-56	86691-02		KNOB - Cowl flap control	2	
-57	36588-04		SCREW AND POST ASSEMBLY - Retainer	1	
-58	69669-158	C	PLACARD - Primer	2	
-59	484 691		RIVET - Plastic (201-120751-00-0103)	2	
-60	419 594		SCREW - (AN530-10R36)	2	
-61	87369-34	N	PLACARD - Starter ON	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

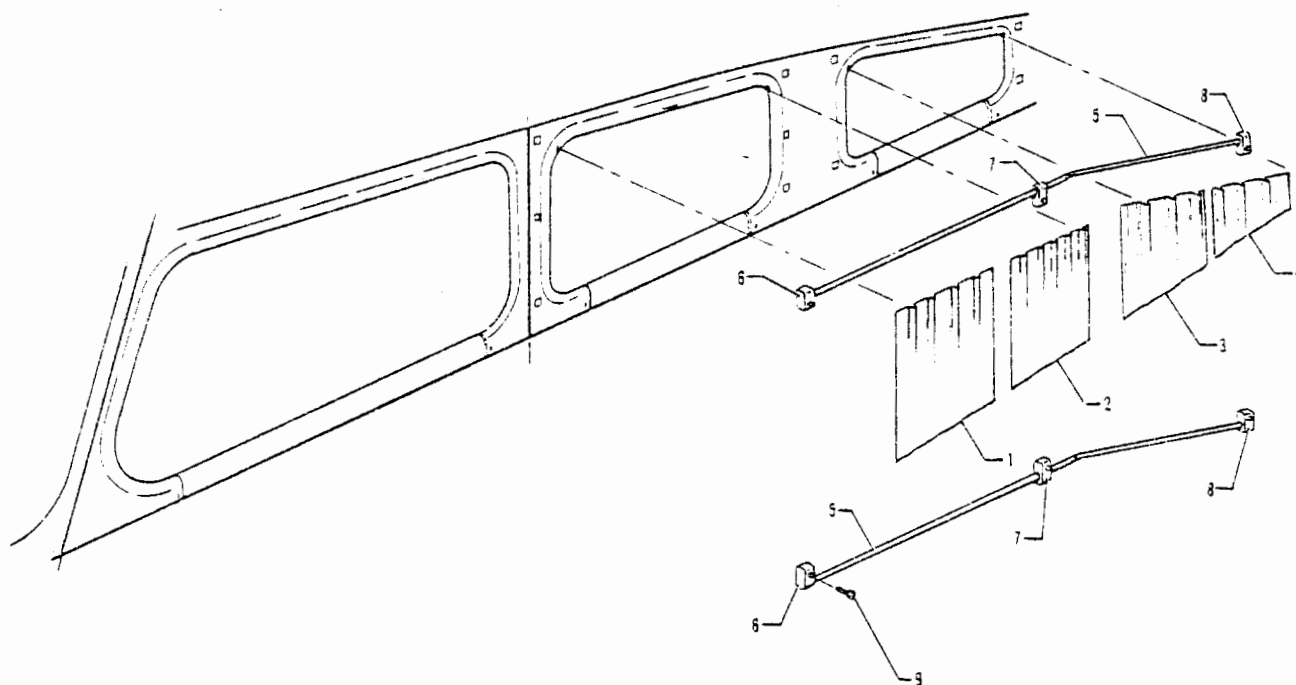


Figure 34. Window Curtains Installation

REVISED: AUGUST 1981

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 34

W - These parts must be ordered from Service Soares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
34-	67955		DRAWING - Curtain and Rod Installation		
-1	67968-12		CURTAIN ASSEMBLY - Window, center front, left	1	
	67968-13		CURTAIN ASSEMBLY - Window, center front, right	1	
-2	67968-14		CURTAIN ASSEMBLY - Window, center rear, left	1	
	67968-15		CURTAIN ASSEMBLY - Window, center rear, right	1	
-3	67968-16		CURTAIN ASSEMBLY - Window, rear, left	1	
	67968-17		CURTAIN ASSEMBLY - Window, rear, right	1	
-4	67968-18		CURTAIN ASSEMBLY - Window, rear, left	1	
	67968-19		CURTAIN ASSEMBLY - Window, rear, right	1	
-5	67969-15		ROD - Window curtain	4	
-6	67969-02		BRACKET - Curtain rod attachment, front	4	
-7	67969-04		BRACKET - Curtain rod attachment, center	4	
-8	67969-03		BRACKET - Curtain rod attachment, rear	4	
-9	415 539	W	SCREW - (MS35206-249)	12	
	477 778		NUT - (PS10062-6-2)	12	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

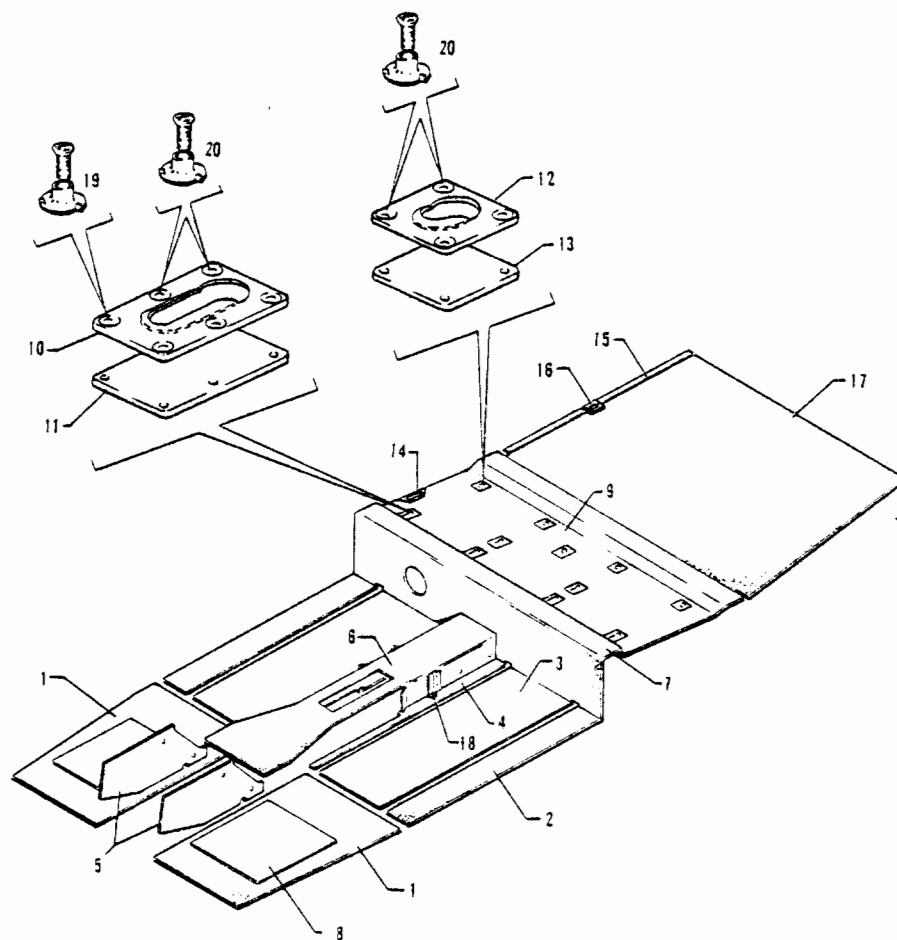


Figure 35. Carpet Installation

REVISED: MARCH 1980

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 35

- A - When ordering, specify color heather, palm, raspberry, brown, firethorn red, medium saddle, dark cedar, dark carmine, or dark saddle. Specify color royal blue (color code 781) for PA-44-180 with serial numbers 44-7995001 to 44-8095037 inclusive, and PA-44-180T with serial numbers 44-8107001 to 44-8107026 inclusive. Specify color dark blue (color code 795) for PA-44-180 with serial numbers 44-8195001 and up, and PA-44-180T with serial numbers 44-8107027 and up.
- B - When ordering, specify color "bark II" or black.
- C - Used if sound reduction carpeting is installed.
- D - Used on PA-44-180T only if optional portable oxygen system is installed.
- E - Used on PA-44-180 with serial numbers 44-7995001 to 44-8095037 inclusive, and PA-44-180T with serial numbers 44-8107001 to 44-8107026 inclusive.
- F - Used on PA-44-180 with serial numbers 44-8195001 and up, and PA-44-180T with serial numbers 44-8107027 and up.
- G - Used on PA-44-180 with serial numbers 44-8095001 and up, and PA-44-180T.
- W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
35-	86690 86801		DRAWING - Cockpit Finishing Installation DRAWING - Baggage Compartment Carpet Installation		
-1	591 545		CARPET - Floor, front left, heather	1	
	591 547		CARPET - Floor, front right, heather	1	
	591 700	E	CARPET - Floor, front left, palm	1	
	591 704	E	CARPET - Floor, front right, palm	1	
	591 701	E	CARPET - Floor, front left, royal blue	1	
	591 705	E	CARPET - Floor, front right, royal blue	1	
	591 827	F	CARPET - Floor, front left, dark blue	1	
	591 828	F	CARPET - Floor, front right, dark blue	1	
	591 702	E	CARPET - Floor, front left, raspberry	1	
	591 706	E	CARPET - Floor, front right, raspberry	1	
	591 703	E	CARPET - Floor, front left, brown	1	
	591 707	E	CARPET - Floor, front right, brown	1	
	591 903	G	CARPET - Floor, front left, firethorn red	1	
	591 905	G	CARPET - Floor, front right, firethorn red	1	
	591 904	G	CARPET - Floor, front left, medium saddle	1	
	591 906	G	CARPET - Floor, front right, medium saddle	1	
	591 964	F	CARPET - Floor, front left, dark cedar	1	
	591 965	F	CARPET - Floor, front right, dark cedar	1	
	592 038	H	CARPET - Floor, front left, dark carmine	1	
	592 040	H	CARPET - Floor, front right, dark carmine	1	
	592 039	H	CARPET - Floor, front left, dark saddle	1	
	592 041	H	CARPET - Floor, front right, dark saddle	1	
	79236-10	A,C	CARPET - Floor, front left	1	
	79236-11	A,C	CARPET - Floor, front right	1	
-2	591 501		CARPET - Floor, outboard, heather	2	
	591 620	E	CARPET - Floor, outboard, palm	2	
	591 621	E	CARPET - Floor, outboard, royal blue	2	
	591 806	F	CARPET - Floor, outboard, dark blue	2	
	591 622	E	CARPET - Floor, outboard, raspberry	2	
	591 623	E	CARPET - Floor, outboard, brown	2	
	591 859	G	CARPET - Floor, outboard, firethorn red	2	
	591 860	G	CARPET - Floor, outboard, medium saddle	2	
	591 943	F	CARPET - Floor, outboard, dark cedar	2	
	591 996	H	CARPET - Floor, outboard, dark carmine	2	
	591 997	H	CARPET - Floor, outboard, dark saddle	2	
	79236-16	A,C	CARPET - Floor, outboard	2	
-3	591 503		CARPET - Floor, center, heather	2	
	591 624	E	CARPET - Floor, center, palm	2	
	591 625	E	CARPET - Floor, center, royal blue	2	
	591 807	F	CARPET - Floor, center, dark blue	2	
	591 626	E	CARPET - Floor, center, raspberry	2	
	591 627	E	CARPET - Floor, center, brown	2	
	591 861	G	CARPET - Floor, center, firethorn red	2	
	591 862	G	CARPET - Floor, center, medium saddle	2	
	591 944	F	CARPET - Floor, center, dark cedar	2	
	591 998	H	CARPET - Floor, center, dark carmine	2	
	591 999	H	CARPET - Floor, center, dark saddle	2	
	79236-05	A,C	CARPET - Floor, center	2	
-4	591 549		CARPET - Floor, inboard left, heather	1	
	591 551		CARPET - Floor, inboard right, heather	1	
	591 708	E	CARPET - Floor, inboard left, palm	1	
	591 712	E	CARPET - Floor, inboard right, palm	1	
	591 709	E	CARPET - Floor, inboard left, royal blue	1	
	591 713	E	CARPET - Floor, inboard right, royal blue	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
35-4	591 829	F	CARPET - Floor, inboard left, dark blue	1	
	591 830	F	CARPET - Floor, inboard right, dark blue	1	
	591 710	E	CARPET - Floor, inboard left, raspberry	1	
	591 714	E	CARPET - Floor, inboard right, raspberry	1	
	591 711	E	CARPET - Floor, inboard left, brown	1	
	591 715	E	CARPET - Floor, inboard right, brown	1	
	591 907	G	CARPET - Floor, inboard left, firethorn red	1	
	591 909	G	CARPET - Floor, inboard right, firethorn red	1	
	591 908	G	CARPET - Floor, inboard left, medium saddle	1	
	591 910	G	CARPET - Floor, inboard right, medium saddle	1	
	591 966	F	CARPET - Floor, inboard left, dark cedar	1	
	591 967	F	CARPET - Floor, inboard right, dark cedar	1	
	592 042	H	CARPET - Floor, inboard left, dark carmine	1	
	592 044	H	CARPET - Floor, inboard right, dark carmine	1	
	592 043	H	CARPET - Floor, inboard left, dark saddle	1	
	592 045	H	CARPET - Floor, inboard right, dark saddle	1	
-5	591 497		CARPET - Tunnel, side, left, heather	1	
	591 499		CARPET - Tunnel, side, right, heather	1	
	591 612	E	CARPET - Tunnel, side, left, palm	1	
	591 616	E	CARPET - Tunnel, side, right, palm	1	
	591 613	E	CARPET - Tunnel, side, left, royal blue	1	
	591 617	E	CARPET - Tunnel, side, right, royal blue	1	
	591 804	F	CARPET - Tunnel, side, left, dark blue	1	
	591 805	F	CARPET - Tunnel, side, right, dark blue	1	
	591 614	E	CARPET - Tunnel, side, left, raspberry	1	
	591 618	E	CARPET - Tunnel, side, right, raspberry	1	
	591 615	E	CARPET - Tunnel, side, left, brown	1	
	591 619	E	CARPET - Tunnel, side, right, brown	1	
	591 855	G	CARPET - Tunnel, side, left, firethorn red	1	
	591 857	G	CARPET - Tunnel, side, right, firethorn red	1	
	591 856	G	CARPET - Tunnel, side, left, medium saddle	1	
	591 858	G	CARPET - Tunnel, side, right, medium saddle	1	
	591 941	F	CARPET - Tunnel, side, left, dark cedar	1	
	591 942	F	CARPET - Tunnel, side, right, dark cedar	1	
	591 992	H	CARPET - Tunnel, side, left, dark carmine	1	
	591 994	H	CARPET - Tunnel, side, right, dark carmine	1	
	591 993	H	CARPET - Tunnel, side, left, dark saddle	1	
	591 995	H	CARPET - Tunnel, side, right, dark saddle	1	
-6	591 792		CARPET - Tunnel, top, heather	1	
	591 794	E	CARPET - Tunnel, top, palm	1	
	591 795	E	CARPET - Tunnel, top, royal blue	1	
	591 826	F	CARPET - Tunnel, top, dark blue	1	
	591 796	E	CARPET - Tunnel, top, raspberry	1	
	591 797	E	CARPET - Tunnel, top, brown	1	
	591 901	G	CARPET - Tunnel, top, firethorn red	1	
	591 902	G	CARPET - Tunnel, top, medium saddle	1	
	591 963	F	CARPET - Tunnel, top, dark cedar	1	
	592 036	H	CARPET - Tunnel, top, dark carmine	1	
	592 037	H	CARPET - Tunnel, top, dark saddle	1	
-7	35688-02	A	CARPET - Floor, rear and spar box	1	
-8	63130-02		PLATE - Heel	2	
-9	79828-03		PANEL - Floor	1	
-10	99141-03		PLATE - Seat attachment, forward	4	
	99141-03	D	PLATE - Seat attachment, forward	6	
-11	99140-03		PLATE - Seat attachment, forward	4	
	99140-03	D	PLATE - Seat attachment, forward	6	
-12	68094-03		PLATE - Seat attachment, aft	4	
	68094-03	D	PLATE - Seat attachment, aft	5	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
35-13	79781-02		PLATE ASSEMBLY - Seat attachment, aft	4	
	79781-02	D	PLATE ASSEMBLY - Seat attachment, aft	5	
-14	99244-09	B	COVER - Exhaust vent	2	
-15	63185-06		TRIM STRIP - Baggage compartment	1	
-16	63293-00		PLATE - Striker, baggage door	1	
-17	591 491		CARPET - Baggage compartment, heather	1	
	591 608	E	CARPET - Baggage compartment, palm	1	
	591 609	E	CARPET - Baggage compartment, royal blue	1	
	591 803	F	CARPET - Baggage compartment, dark blue	1	
	591 610	E	CARPET - Baggage compartment, raspberry	1	
	591 611	E	CARPET - Baggage compartment, brown	1	
	591 853	G	CARPET - Baggage compartment, firethorn red	1	
	591 854	G	CARPET - Baggage compartment, medium saddle	1	
	591 940	F	CARPET - Baggage compartment, dark cedar	1	
	591 990	H	CARPET - Baggage compartment, dark carmine	1	
	591 991	H	CARPET - Baggage compartment, dark saddle	1	
-18	99433-00		CLIP - Carpet, left	1	
	99433-01		CLIP - Carpet, right	1	
-19	415 536	W	SCREW - (MS35206-246)	8	
	477 683		TEE NUT - (SS-58162)	8	
-20	415 538		SCREW - (MS35206-248)	32	
	415 538	D	SCREW - (MS35206-248)	48	
	477 683		TEE NUT - (SS-58162)	32	
	477 683	D	TEE NUT - (SS-58162)	48	

When ordering, always specify Part Number, Description and Serial Number of Aircraft.

PIPER PARTS CATALOG

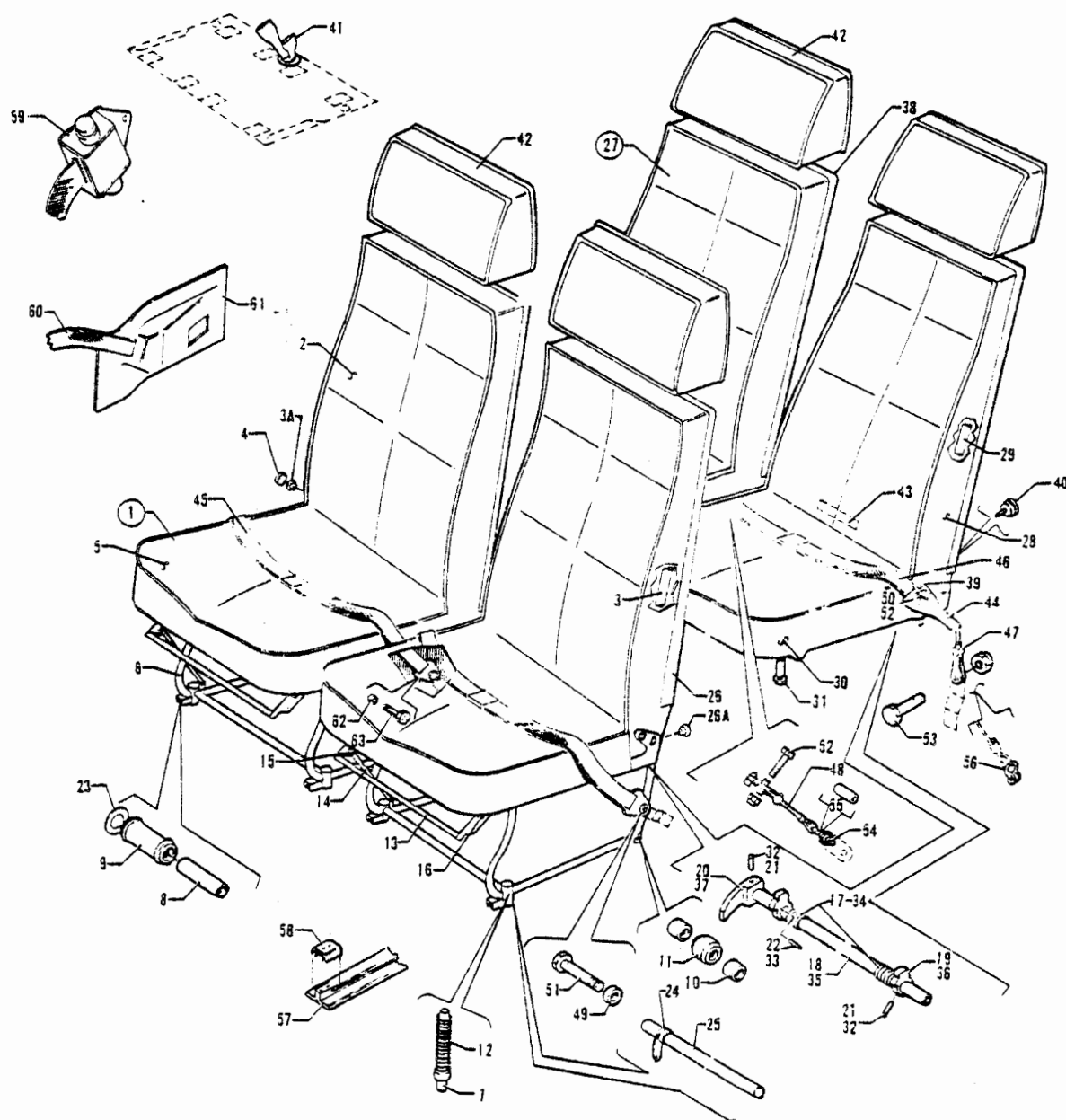


Figure 36. Seats Installation

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 36

NOTE: Refer to Figure 37 if vertically adjustable front seats are installed.

- A - When ordering this part, serial number of aircraft must be supplied. When ordering for PA-44-180 with serial numbers 44-7995001 to 44-7995122 inclusive, specify color red (color code 7326), blue (color code 7327), gold (color code 7328), navajo sepia or navajo cactus. When ordering for PA-44-180 with serial numbers 44-7995123 and up, and for PA-44-180T, specify color red (color code 792), blue (color code 793), gold (color code 794), navajo sepia or navajo cactus. Also specify trim color black or camel, if applicable.
- B - When ordering, specify color olivetone, raspberry, or tan for PA-44-180 with serial numbers 44-7995001 to 44-7995353 inclusive. Specify color midnight blue (color code 785) for PA-44-180 with serial numbers 44-7995001 to 44-7995294 inclusive. Specify color dark blue (color code 796) for PA-44-180 with serial numbers 44-7995295 and up, and for PA-44-180T. Specify color firethorn red, buckskin, dark cedar, dark carmine, or sandalwood for PA-44-180 with serial numbers 44-8095001 and up, and for PA-44-180T. When ordering dark cedar, specify knit or velour.
- C - Used on PA-44-180 only.
- D - When ordering this part, serial number of aircraft must be supplied. When ordering for serial numbers 44-7995001 to 44-7995122 inclusive; specify color red (color code 7326), blue (color code 7327), gold (color code 7328), navajo sepia or navajo cactus. When ordering for serial numbers 44-7995123 and up; specify color red (color code 792), blue (color code 793), gold (color code 794), navajo sepia or navajo cactus. Also specify trim color black or camel.
- E - When ordering, specify color olivetone, raspberry, or tan for serial numbers 44-7995001 to 44-7995353 inclusive. Specify color midnight blue (color code 785) for serial numbers 44-7995001 to 44-7995294 inclusive, and dark blue (color code 796) for serial numbers 44-7995295 and up.
- F - Used on PA-44-180 with serial numbers 44-8195001 and up, and PA-44-180T with serial numbers 44-8107027 and up.
- G - When ordering, specify color "bark II" or black.
- H - Before ordering, ascertain O.D. at center of seat roller. If O.D. of roller measures .42, (2) rollers P/N 87332-02 must be ordered. If O.D. of roller measures .62, order roller(s) as required.
- W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
36-	76170 79164		DRAWING - Seats installation DRAWING - Shoulder Harness Installation		
-1	79337-21 79337-30 79337-22 79337-31	A B A B	SEAT ASSEMBLY - Front, left SEAT ASSEMBLY - Front, left (luxurious) SEAT ASSEMBLY - Front, right SEAT ASSEMBLY - Front, right (luxurious)	1 1 1 1	
-2	79337-16 79337-27	A B	* CUSHION AND FRAME ASSEMBLY - Back, left * CUSHION AND FRAME ASSEMBLY - Back, left (luxurious)	1 1	
	79337-17 79337-28	A B	* CUSHION AND FRAME ASSEMBLY - Back, right * CUSHION AND FRAME ASSEMBLY - Back, right (luxurious)	1 1	
-3	79555-00 79555-01		** FRAME ASSEMBLY - Back, left ** FRAME ASSEMBLY - Back, right	1 1	
-3a	453 732	W	*** BUSHING - Seat back, right (PS10064-375-4)	1	
-4	79554-02		*** KNOB - Seat back release, right	1	
-5	79337-23 79337-32	A B	* CUSHION AND FRAME ASSEMBLY - Bottom, left * CUSHION AND FRAME ASSEMBLY - Bottom, left (luxurious)	1 1	
	79337-24 79337-33	A B	* CUSHION AND FRAME ASSEMBLY - Bottom, right * CUSHION AND FRAME ASSEMBLY - Bottom, right (luxurious)	1 1	
-6	79819-02 79819-03		*** FRAME ASSEMBLY - Bottom, left *** FRAME ASSEMBLY - Bottom, right	1 1	
-7	76175-03		*** PLUNGER - Seat bottom	2	
-8	95061-106		*** SPACER - Seat roller, front legs	2	
-9	87332-02	H	*** ROLLER - Seat track, front legs	2	
-10	95061-161		*** SPACER - Seat roller, aft legs	4	
-11	452 386		*** ROLLER - Aft legs (NAS506-4)	2	
-12	587 299		*** SPRING - Seat plunger (LC-038F-6SS)	2	
-13	79207-00		*** HANDLE ASSEMBLY - Seat release	1	
-14	79322-06		*** ROD - Seat release mechanism	1	
-15	407 561 406 369	W	*** WASHER - (AN960-4) *** NUT - (A1037-012-3)	2 2	
-16	400 002 494 040 404 836	W W	*** BOLT - (AN4-5A) *** WASHER - (PS10011-12) Nylon *** NUT - (MS20364-428C)	2 6 2	
-17	19336-00 19336-01	W W	*** SPRING - Seat back adjustment, inboard *** SPRING - Seat back adjustment, outboard	1 1	
-18	79230-00		*** TUBE - Reclining mechanism	1	
-19	19365-02	W	*** CAM - Reclining seat	2	
-20	79442-00		*** HANDLE - Seat back adjustment	1	
-21	480 701	W	*** PIN - Roll (59-028-125-0625)	3	
-22	480 732	W	*** PIN - Roll (59-040-187-0937)	2	
-23	62833-78		*** WASHER - Seat roller	8	
-24	76178-00		*** ARM ASSEMBLY - Seat latch	1	
-25	76172-00		*** BELLCRANK ASSEMBLY - Seat latch	1	
-26	78041-00 78041-09	G B	* COVER - Seat back * COVER - Seat back (luxurious)	1 1	
-26a	67958-02	B	* BUTTON ASSEMBLY - Seat back	5	
-27	96827-22 96827-29 96827-23 96827-30	A B A B	SEAT ASSEMBLY - Rear, left SEAT ASSEMBLY - Rear, left (luxurious) SEAT ASSEMBLY - Rear, right SEAT ASSEMBLY - Rear, right (luxurious)	1 1 1 1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
36-28	79337-16	A	* CUSHION AND FRAME ASSEMBLY - Seat back, left and right	1	
	79337-27	B	* CUSHION AND FRAME ASSEMBLY - Seat back, left and right (luxurious)	1	
-29	79555-00		** FRAME ASSEMBLY - Seat back	1	
-30	96827-26	A	* CUSHION AND FRAME ASSEMBLY - Bottom, left	1	
	96827-31	B	* CUSHION AND FRAME ASSEMBLY - Bottom, left (luxurious)	1	
	96827-27	A	* CUSHION AND FRAME ASSEMBLY - Bottom, right	1	
	96827-32	B	* CUSHION AND FRAME ASSEMBLY - Bottom, right (luxurious)	1	
-31	99077-16		** FRAME ASSEMBLY - Seat bottom, left	1	
	99077-17		** FRAME ASSEMBLY - Seat bottom, right	1	
-32	480 701	W	*** PIN - Roll (59-028-125-0625)	3	
-33	480 732	W	*** PIN - Roll (59-040-187-0937)	2	
-34	19336-00	W	*** SPRING - Seat back adjustment, inboard	1	
	19336-01	W	*** SPRING - Seat back adjustment, outboard	1	
-35	19392-15	W	*** TUBE - Reclining mechanism	2	
-36	19365-02	W	*** CAM - Reclining seat	2	
-37	79442-00		*** HANDLE - Seat back adjustment	1	
-38	78041-02	G	* COVER ASSEMBLY - Rear seat, back	1	
	78041-10	B	* COVER ASSEMBLY - Rear seat, back (luxurious)	1	
-39	400 916	W	* BOLT - (AN24-26A)	2	
	407 565	W	* WASHER - (AN960-416)	2	
	477 709	W	* NUT - (26C-048)	2	
-40	67958-02	B	* BUTTON ASSEMBLY - Seat back	5	
-41	99242-13		BOOT ASSEMBLY - Seat belt, black	1	
-42	79764-02	C,D	HEADREST ASSEMBLY - Complete (10" high)	4	44-7995001 to 44-7995353 incl.
	79337-18	A	HEADREST ASSEMBLY - Complete (8" high)	4	
	79337-29	B	HEADREST ASSEMBLY - Complete (6" high) luxurious	4	
	79764-03	C,E	HEADREST ASSEMBLY - Complete (10" high) luxurious	4	44-7995001 to 44-7995353 incl.
-43	69669-110		PLACARD - Seat release	2	
-44	68022-14		BOOT - Seat belt attachment, black	2	
-45	551 390		BELT ASSEMBLY - Safety, front (PS50039-4-2A)	2	
-46	551 374		BELT ASSEMBLY - Safety, rear (PS50039-4-3)	2	
-47	96908-00		CABLE ASSEMBLY - Seat belt attachment, rear, outboard	2	
-48	96908-00		CABLE ASSEMBLY - Seat belt attachment, rear, inboard	2	
-49	63900-145		BUSHING - Front seat safety belt attachment	2	
-50	63900-149		BUSHING - Rear seat safety belt attachment	4	
-51	401 269	W	BOLT - (AN3-10A)	2	
-52	401 187	W	BOLT - (AN5-7A)	4	
	407 566	W	WASHER - (AN960-516)	4	
	404 837	W	NUT - (MS20364-524C)	4	
-53	400 004	W	BOLT - (AN4-7A)	2	
	407 565	W	WASHER - (AN960-416)	2	
	404 888	W	NUT - (MS20365-428C)	2	
-54	401 355	W	BOLT - (AN5-14A)	1	
	407 566	W	WASHER - (AN960-516)	1	
	404 889	W	NUT - (MS20365-524C)	1	
-55	95061-91		BUSHING - Rear seat cable attachment	1	
-56	486 560		SHACKLE - (MS20115F5)	2	
-57	62557-04		TRACK - Seat	4	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
36-58	62654-00		STOP - Seat	8	
-59	551 425	F	BELT ASSEMBLY - Shoulder, front (without inertia reel) (PS50039-4-23)	2	
	452 680		BELT ASSEMBLY - Shoulder, front (with inertia reel) (PS50039-4-20)	2	
-60	551 424	F	BELT ASSEMBLY - Shoulder, rear (without inertia reel) (PS50039-4-22)	2	
	452 679		BELT ASSEMBLY - Shoulder, rear (with inertia reel) (PS50039-4-19)	2	
-61	99920-02		COVER ASSEMBLY - Inertia reel, rear, left	1	
	99920-03		COVER ASSEMBLY - Inertia reel, rear, right	1	
-62	95061-186		BUSHING - Front seat safety belt attachment, left (.25" L)	1	
	95061-180		BUSHING - Front seat safety belt attachment, right (.34" L)	1	
-63	400 863	W	BOLT - (AN23-11A) Left	1	
	401 269	W	BOLT - (AN3-10A) Right	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

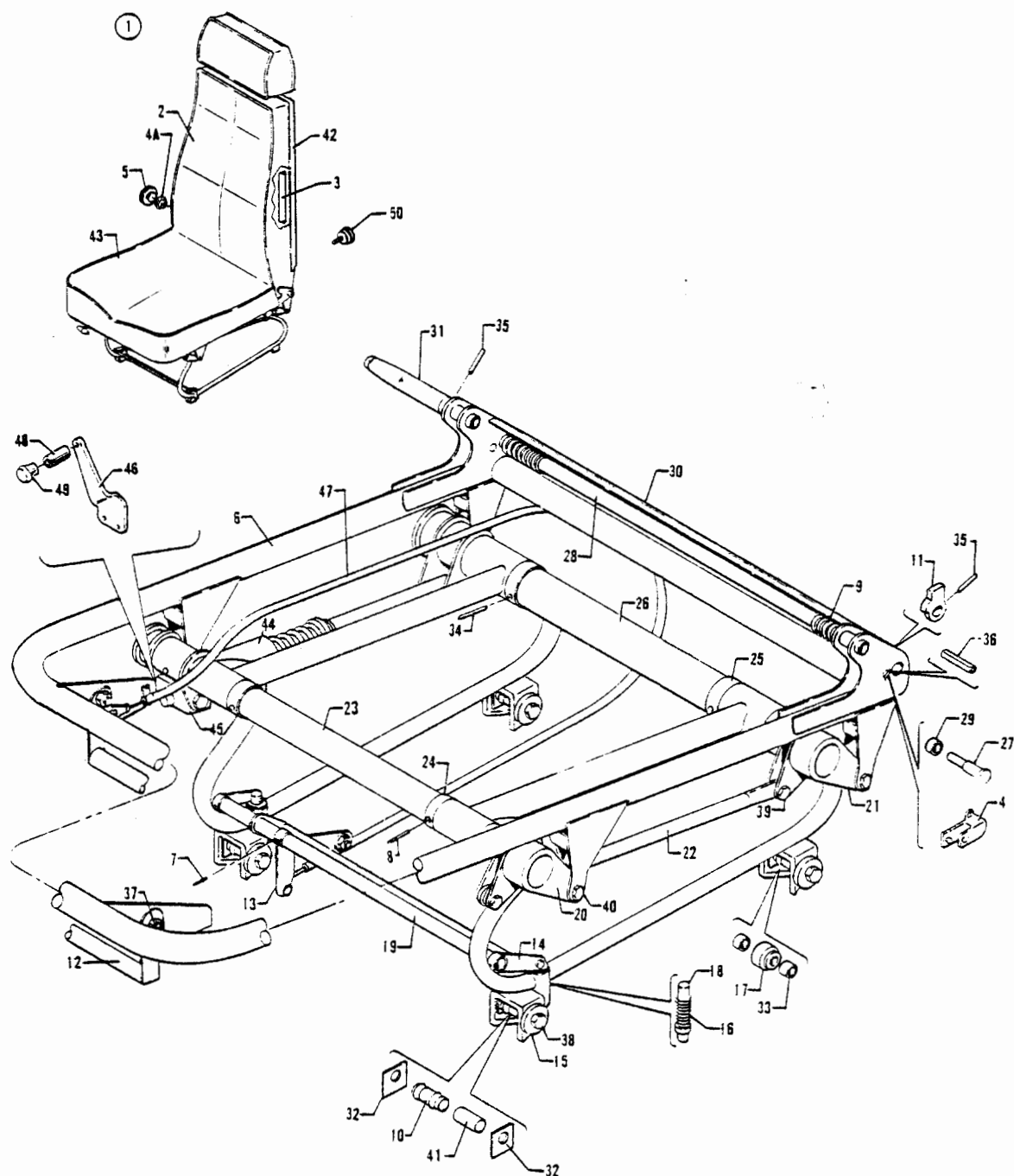


Figure 37. Vertically Adjustable Front Seat Assembly

REVISED: AUGUST 1980

1G11

PA-44-180
PA-44-180T

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 37

- A - When ordering this part, serial number of aircraft must be supplied. When ordering for PA-44-180 with serial numbers 44-7995001 to 44-7995122 inclusive, specify color red (color code 7326), blue (color code 7327), gold (color code 7328), navajo sepia or navajo cactus. When ordering for PA-44-180 with serial numbers 44-7995123 and up, and PA-44-180T, specify color red (color code 792), blue (color code 793), gold (color code 794), navajo sepia or navajo cactus. Also specify trim color camel or black, if applicable.
- B - When ordering, specify color olivetone, raspberry, or tan for PA-44-180 with serial numbers 44-7995001 to 44-7995353 inclusive. Specify color midnight blue (color code 785) for PA-44-180 with serial numbers 44-7995001 to 44-7995294 inclusive. Specify color dark blue (color code 796), for PA-44-180 with serial numbers 44-7995295 and up, and for PA-44-180T. Specify color firethorn red, buckskin, dark cedar, dark carmine, or sandalwood for PA-44-180 with serial numbers 44-8095001 and up, and for PA-44-180T. When ordering dark cedar, specify knit or velour.
- C - Used if a welded bellcrank assembly is installed.
- D - Used if a forged bellcrank assembly is installed.
- E - Used on PA-44-180 only.
- F - Used on PA-44-180 with serial numbers 44-7995295 and up, and PA-44-180T.
- G - Used on PA-44-180 with serial numbers 44-8095001 and up, and PA-44-180T.
- H - When ordering, specify color "bark II" or black.
- J - Used on PA-44-180 with serial numbers 44-7995001 to 44-8095037 inclusive, and PA-44-180T with serial numbers 44-8107001 to 44-8107026 inclusive.
- K - Used on PA-44-180 with serial numbers 44-8195001 and up, and PA-44-180T with serial numbers 44-8107027 and up.
- L - Before ordering, ascertain O.D. at center of seat roller. If O.D. of roller measures .42, (2) rollers P/N 87332-02 must be ordered. If O.D. of roller measures .62, order roller(s) as required.
- M - Used on PA-44-180 with serial numbers 44-8295001 and up, and PA-44-180T with serial numbers 44-8207001 and up.
- W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
37-1	79591-02	A	SEAT ASSEMBLY - Adjustable front, left	1	
	79591-04	B	SEAT ASSEMBLY - Adjustable front, left (luxurious)	1	
	79591-03	A	SEAT ASSEMBLY - Adjustable front, right	1	
	79591-05	B	SEAT ASSEMBLY - Adjustable front, right (luxurious)	1	
-2	79337-16	A	* CUSHION ASSEMBLY - Back, left	1	
	79337-27	B	* CUSHION ASSEMBLY - Back, left (luxurious)	1	
	79337-17	A	* CUSHION ASSEMBLY - Back, right	1	
	79337-28	B	* CUSHION ASSEMBLY - Back, right (luxurious)	1	
-3	79555-00		* * FRAME ASSEMBLY - Back, left	1	
	79555-01		* * FRAME ASSEMBLY - Back, right	1	
-4	99718-05		* * * STOP ASSEMBLY - Seat latch	1	
-4a	453 732	W	* * * BUSHING - Seat back, right (PS10064-375-4)	1	
-5	79554-02		* * KNOB - Seat back release, right	1	
-6	79539-02		* FRAME ASSEMBLY - Bottom, left	1	
	79539-03		* FRAME ASSEMBLY - Bottom, right	1	
-7	480 777		* * PIN - (MS9048-100) .50 long	3	
	480 592		* * PIN - (MS9048-101) .56 long	3	
-8	480 789		* * PIN - (MS9048-170)	4	
-9	19336-00	W	* * SPRING - Seat back adjustment, left	1	
	19336-01	W	* * SPRING - Seat back adjustment, right	1	
-10	87332-02	L	* * ROLLER - Seat	2	
-11	19365-02	W	* * CAM - Reclining seat	2	
-12	79207-00		* * HANDLE ASSEMBLY - Seat release	1	
-13	76187-00		* * ARM ASSEMBLY - Seat release	1	
-14	36858-02		* * ARM ASSEMBLY - Seat latch (forged)	2	
-15	62833-78		* * WASHER	8	
-16	587 299		* * SPRING - Seat plunger (LC-038F-6SS)	2	
-17	452 386		* * ROLLER - (NAS506-4)	2	
-18	76175-00		* * PLUNGER	2	
-19	76172-03		* * TUBE - Bellcrank	1	
-20	36856-02		* * BELLCRANK ASSEMBLY - Forward (forged)	1	
-21	36857-02		* * BELLCRANK ASSEMBLY - Aft (forged)	1	
-22	76342-00		* * LINK ASSEMBLY - Seat	1	
-23	76343-00		* * TUBE ASSEMBLY - Forward	1	
-24	76351-02		* * BUSHING - Seat	2	
-25	76351-03		* * BUSHING - Seat	2	
-26	37848-02		* * TUBE ASSEMBLY - Aft	1	
-27	79229-00		* * BEARING SHAFT - Seat release, right	1	
-28	79230-00		* * TUBE - Seat reclining	1	
-29	79235-00		* * BUSHING - Seat back release, right	1	
-30	76176-00		* * COVER - Reclining seat	1	
-31	79442-00		* * HANDLE - Seat back adjustment, black	1	
-32	79251-00		* * WASHER - Teflon	8	
-33	79252-00		* * SPACER - Seat	4	
-34	480 801		* * PIN - (MS9048-173) (1.37 L)	4	
-35	480 701	W	* * PIN - Roll (59-028-125-0625)	3	
-36	480 732	W	* * PIN - Roll (59-040-187-0937)	2	
-37	400 002	W	* * BOLT - (AN4-5A)	1	
	494 133		* * WASHER - Nylon (1/4 I. D.)	3	
	404 888	W	* * NUT - (MS20365-428C)	1	
-38	401 318	W	* * BOLT - (AN4-20A)	4	
	477 708		* * NUT - (28C-048)	4	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
37-39	424 205	C	* PIN - (MS20392-3C17)	2	
	424 204	D	* PIN - (MS20392-3C15)	2	
	407 565	C,W	* WASHER - (AN960-416)	2	
	407 587	D,W	* WASHER - (AN960-416L)	2	
	424 051	W	* COTTER PIN (MS24665-132)	2	
-40	424 172		* PIN - (MS20392-2C11)	4	
	407 564	W	* WASHER - (AN960-10)	4	
	424 051	W	* COTTER PIN (MS24665-132)	4	
-41	95061-106		* SPACER	2	
-42	78041-00	H	* COVER ASSEMBLY - Seat back	1	
	78041-09	B	* COVER ASSEMBLY - Seat back (luxurious)	1	
-43	556 469	J	* COVER ASSEMBLY - Seat bottom, red (with black trim)	1	
	556 470	J	* COVER ASSEMBLY - Seat bottom, blue (with black trim)	1	
	556 471		* COVER ASSEMBLY - Seat bottom, gold (with black trim)	1	
	555 884		* COVER ASSEMBLY - Seat bottom, navajo sepia (with camel trim)	1	
	555 885		* COVER ASSEMBLY - Seat bottom, navajo cactus (with camel trim)	1	
	555 888		* COVER ASSEMBLY - Seat bottom, navajo sepia (with black trim)	1	
	555 889		* COVER ASSEMBLY - Seat bottom, navajo cactus (with black trim)	1	
	556 472	J	* COVER ASSEMBLY - Seat bottom, red (with camel trim)	1	
	556 473	J	* COVER ASSEMBLY - Seat bottom, blue (with camel trim)	1	
	556 474		* COVER ASSEMBLY - Seat bottom, gold (with camel trim)	1	
	556 932	K	* COVER ASSEMBLY - Seat bottom, red	1	
	556 933	K	* COVER ASSEMBLY - Seat bottom, blue	1	
	556 236	E	* COVER ASSEMBLY - Seat bottom, olivetone	1	44-7995001 to 44-7995353 incl
	556 237	E	* COVER ASSEMBLY - Seat bottom, midnight blue	1	44-7995001 to 44-7995294 incl.
	556 705	F	* COVER ASSEMBLY - Seat bottom, dark blue	1	
	556 238	E	* COVER ASSEMBLY - Seat bottom, raspberry	1	44-7995001 to 44-7995353 incl.
	556 239	E	* COVER ASSEMBLY - Seat bottom, tan	1	44-7995001 to 44-7995353 incl.
	556 677	G	* COVER ASSEMBLY - Seat bottom, firethorn red	1	
	556 678	G	* COVER ASSEMBLY - Seat bottom, buckskin	1	
	556 921	K	* COVER ASSEMBLY - Seat bottom, dark cedar (knit)	1	
	557 035	M	* COVER ASSEMBLY - Seat bottom, dark cedar (velour)	1	
	557 033	M	* COVER ASSEMBLY - Seat bottom, dark carmine	1	
	557 034	M	* COVER ASSEMBLY - Seat bottom, sandalwood	1	
-44	587 404		* CONTROL ASSEMBLY - Seat adjustment (Gas Spring Corp. P/N 06-10-080-310-025)	1	
-45	37902-06		* ADAPTER - Seat control	1	
-46	37902-08		* CONTROL ARM - Actuator	1	
-47	554 422		* CABLE ASSEMBLY - Seat track release (crew operated, length 27") (PS50146-8-1)	1	
-48	37902-05		* BUSHING - Actuator	1	
-49	471 084		* KNOB - Actuator (233)	1	
-50	67958-02	B	* BUTTON ASSEMBLY - Seat back	3	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

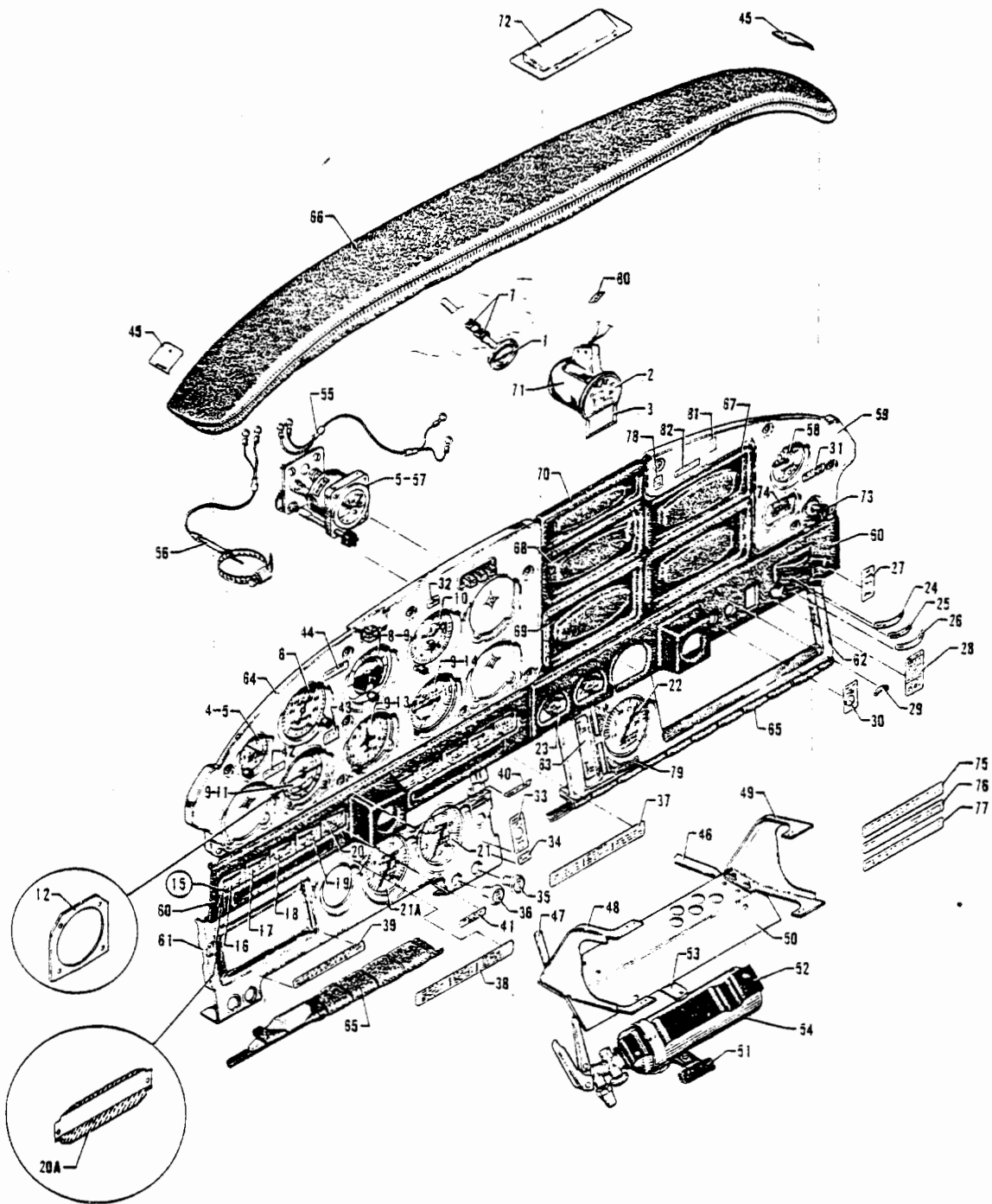


Figure 38. Instrument Panel Installation

REVISED: JANUARY 1982

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 38

- A - When ordering, specify color "bark II" or black.
- B - When ordering, specify color camel, black or mocha.
- C - Used if instrument panel light dimmer control is installed.
- D - Used if carburetor ice detector is installed.
- E - Used if NSD-360 is installed.
- F - See Figure 73 if Auto Control III B is installed, and Figure 74 if AltiMatic III C is installed.
- G - Instrument not approved for IFR.
- H - Used if two tachometer assemblies are installed.
- J - Used if one dual tachometer assembly is installed.
- K - Includes cable assembly.
- L - Used if Century 21 AutoPilot is installed.
- M - Used if Century 41 AutoPilot is installed.
- N - Used if Century 41 AutoPilot is installed without ADF provisions.
- O - Used if Century 41 AutoPilot is installed with ADF provisions.
- W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
38-	86651 86366 86367 86415 86739 86666 37872		DRAWING - Hour Meter Installation DRAWING - Instrument Installation, Engine DRAWING - Instrument Installation, Flight DRAWING - EGT Installation DRAWING - Instrument Panel Cover Installation DRAWING - Clock Instrument Installation DRAWING - Fire Extinguisher Installation		44-7995005 and up
-1	99479-02 99479-03		GAUGE - Air temperature GAUGE - Air temperature, luminous	1 1	
-2	67462-06		INSTRUMENT - Compass	1	
-3	79650-02		* HOLDER - Compass card	1	
-4	99478-00 548 679		INSTRUMENT - Clock INSTRUMENT - Clock, electric (CA7287)	1 1	
-5	67431-04		PLATE ASSEMBLY - Cover	2	
-6	548 277 548 276		INSTRUMENT - Airspeed, knots (PS50049-47S) INSTRUMENT - True airspeed, knots (PS50049-47T)	1 1	
-7	79314-00 79314-02		SPACER - Outside air temperature gauge, inner SPACER - Outside air temperature gauge, outer	1 1	
-8	755 428 99002-03 99002-06	F.W F	INSTRUMENT - Gyro horizon INSTRUMENT - Gyro horizon (Edo-Aire 5000B-9) INSTRUMENT - Gyro horizon (with adjusting knob covered)	1 1 1	
-9	67431-00		PLATE ASSEMBLY - Cover	4	
-10	548 153	G	INSTRUMENT - Altimeter, standard (scale in inches of mercury to 20,000 feet)	1	
	550 493	W	INSTRUMENT - Altimeter, sensitive (scale in inches of mercury to 20,000 feet)	1	
	550 491	W	INSTRUMENT - Altimeter, sensitive (scale in millibars to 20,000 feet)	1	
	548 330		INSTRUMENT - Altimeter, sensitive (scale in inches of mercury and millibars to 20,000 feet)	1	
	548 331		INSTRUMENT - Altimeter, sensitive (scale in inches of mercury and millibars to 35,000 feet)	1	
	548 039	W	INSTRUMENT - Altimeter, encoding (scale in inches of mercury to 35,000 feet)	1	
	548 040		INSTRUMENT - Altimeter, encoding (scale in millibars to 35,000 feet)	1	
	548 407		INSTRUMENT - Altimeter, encoding (scale in inches of mercury and millibars to 35,000 feet)	1	
-11	550 483 548 190 548 517	K	INSTRUMENT - Turn and bank (1234T100-5), electric INSTRUMENT - Turn coordinator (1394T100), electric INSTRUMENT - Turn coordinator (PS50030-13-2) (with internal lighting)	1 1 1	44-8095023 and up
-12	99214-00		PLATE - Support	1	
-13	755 427	F.W	INSTRUMENT - Directional gyro	1	
-14	99010-02		INSTRUMENT - Rate of climb	1	
-15	86552-11		CLUSTER ASSEMBLY - Instrument	2	
-16	86747-02		* GAUGE - Cylinder head temperature	1	
-17	86749-02		* GAUGE - Oil temperature	1	
-18	87424-02		* GAUGE - Oil pressure	1	
-19	86750-02		* GAUGE - Fuel pressure	1	
-20	86746-02		* GAUGE - Fuel quantity	1	
-20a	79381-00		* LENS - Cluster assembly	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
38-21	62177-03	H	INSTRUMENT - Tachometer, right engine	1	
	62177-15	J	INSTRUMENT - Tachometer, dual (left and right engine)	1	
-21a	62177-03	H	INSTRUMENT - Tachometer, left engine	1	
	548 249	J	GAUGE ASSEMBLY - Manifold pressure (PS50031-14-2)	1	
-22	548 249	H	GAUGE ASSEMBLY - Manifold pressure (PS50031-14-2)	1	
	67431-00	J	PLATE ASSEMBLY - Cover	1	
-23	66696-00		INSTRUMENT - Ammeter	2	
-24	35669-79		PLACARD - Closed - open	1	
-25	35669-85		PLACARD - Warmer	1	
-26	35669-84		PLACARD - OFF - ON	1	
-27	35669-87		PLACARD - Air intake, Temp., Def.	1	
-28	35669-83		PLACARD - Operation	1	
-29	35669-80		PLACARD - Over Heat	1	
-30	35669-82		PLACARD - Fresh air fan	1	
-31	63408-00		PLACARD - Winterization kit	1	44-7995001 to 44-7995353 incl.
-32	69669-39		PLACARD - Press to test	1	
-33	35669-58		PLACARD - Gear up-down	1	
-34	35669-94		PLACARD - Emergency gear	1	
-35	35669-55		PLACARD - Pull to release	1	
-36	35669-81		PLACARD - Park brake pull	1	
-37	35669-88		PLACARD - Landing check list	1	44-7995001 to 44-7995353 incl.
-38	35669-64		PLACARD - Takeoff check list	1	44-7995001 to 44-7995353 incl.
-39	67768-00		PLACARD - Alternate static	1	
-40	35669-96		PLACARD - Single engine stalls	1	44-7995001 to 44-7995353 incl.
-41	35669-97		PLACARD - Minimum single engine control speed	1	44-7995001 to 44-7995353 incl.
-42	76222-00		PLACARD - Demonstrated crosswind	1	44-7995001 to 44-7995353 incl.
-43	35669-65		PLACARD - Maneuvering speed	1	44-7995001 to 44-7995353 incl.
	35669-148		PLACARD - Maneuvering speed	1	44-8095001 and up
-44	35669-59		PLACARD - Gear retract	1	44-7995001 to 44-7995353 incl.
-45	79125-00		CAP - Trim, left	1	
	79125-01		CAP - Trim, right	1	
-46	37872-03		BRACE - Fire extinguisher support	1	44-7995005 and up
-47	37872-04		BRACE - Fire extinguisher support	1	44-7995005 and up
-48	37872-05		BRACKET ASSEMBLY - Fire extinguisher	1	44-7995005 and up
-49	37872-07		BRACKET ASSEMBLY - Fire extinguisher	1	44-7995005 and up
-50	35680-26		BRACKET ASSEMBLY - Fire extinguisher	1	44-7995005 and up
-51	35680-11		TAB ASSEMBLY - Fire extinguisher	1	44-7995005 and up
-52	35680-12		BRACKET ASSEMBLY - Fire extinguisher	1	44-7995005 and up
-53	35680-22		BRACKET - Fire extinguisher	1	44-7995005 and up
-54	459 849		FIRE EXTINGUISHER - (HA1014-01)	1	44-7995005 and up
-55	756 635		WIRE - Exhaust gas temperature (Alcor)	2	
-56	757 310		PROBE ASSEMBLY - Exhaust gas temperature (Alcor)	2	
-57	755 095		INDICATOR - Exhaust gas temperature (Alcor) (209 7B3)	1	
-58	96395-00		INSTRUMENT - Vacuum gauge	1	
-59	99959-05	A	COVER - Instrument panel, upper right	1	
	99959-12	A	COVER - Instrument panel, upper right	1	44-8095022 and up
-60	86742-02	A	COVER ASSEMBLY - Instrument panel, upper left	1	
	86742-03	A	COVER ASSEMBLY - Instrument panel, upper right	1	
-61	86740-02	A	COVER ASSEMBLY - Instrument panel, lower left	1	44-7995001 to 44-8095037 incl.
	86740-06	A	COVER ASSEMBLY - Instrument panel, lower left	1	44-8195001 and up
	86740-08	A,N	COVER ASSEMBLY - Instrument panel, lower left	1	44-8195001 and up
	86740-10	A,O	COVER ASSEMBLY - Instrument panel, lower left	1	44-8195001 and up

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
38-62	86741-02	A	COVER ASSEMBLY - Instrument panel, lower right	1	
	86741-03	A,C	COVER ASSEMBLY - Instrument panel, lower right	1	
-63	69669-23	C	* PLACARD - Radio lights - panel lights	1	
-64	79044-06	A	COVER - Instrument panel, upper left	1	44-7995001 to 44-7995285 incl.
	36567-03	A	COVER - Instrument panel, upper left	1	44-7995286 and up
	76477-02	A,E	COVER - Instrument panel, upper left	1	44-7995001 to 44-7995285 incl.
	36567-02	A,E	COVER - Instrument panel, upper left	1	44-7995286 and up
	36567-05	A,L	COVER - Instrument panel, upper left	1	44-8195001 and up
	36567-07	A,M	COVER - Instrument panel, upper left	1	44-8195001 and up
-65	99950-00	B	CHANNEL ASSEMBLY - Shin guard, right	1	
	76205-03	B	CHANNEL ASSEMBLY - Shin guard, left	1	
-66	99952-00		SHIELD ASSEMBLY - Glare, black	1	
-67	99059-06	A	COVER ASSEMBLY - Radio opening (6.56 x 2.90)	1	
-68	99060-06	A	COVER ASSEMBLY - Radio opening (6.56 x 3.24)	1	
-69	99061-06	A	COVER ASSEMBLY - Radio opening (6.56 x 3.56)	2	
-70	99062-06	A	COVER ASSEMBLY - Radio opening (6.50 x 1.78)	1	
-71	79600-00		HOUSING ASSEMBLY - Compass	1	
-72	79404-00		COVER - Trim	1	
-73	472 969		LIGHTER - Cigar (204575)	1	
-74	36660-02		INDICATOR - Engine hour meter	1	44-7995001 to 44-8095017 incl., 44-8095020 and up
-75	35669-50		PLACARD - Circuit breaker, top	1	44-7995001 to 44-8195040 incl.
	87369-35		PLACARD - Circuit breaker, top	1	44-8295001 and up
-76	35669-51		PLACARD - Circuit breaker, center	1	44-7995001 to 44-8195040 incl.
	87369-36		PLACARD - Circuit breaker, center	1	44-8295001 and up
-77	35669-52		PLACARD - Circuit breaker, bottom	1	44-7995001 to 44-8195040 incl.
	87369-37		PLACARD - Circuit breaker, bottom	1	44-8295001 and up
-78	35669-125		PLACARD - Radio power, ON-OFF	1	44-8095001 and up
-79	35669-138		PLACARD - Emergency bus switch	1	44-8095001 and up
-80	87369-27		PLACARD - Caution compass deviation	1	44-7995327 and up
-81	35669-184	D	PLACARD - Carburetor ice detector	1	44-8095022 and up
-82	35669-185	D	PLACARD - Sensitivity	1	44-8095022 and up

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

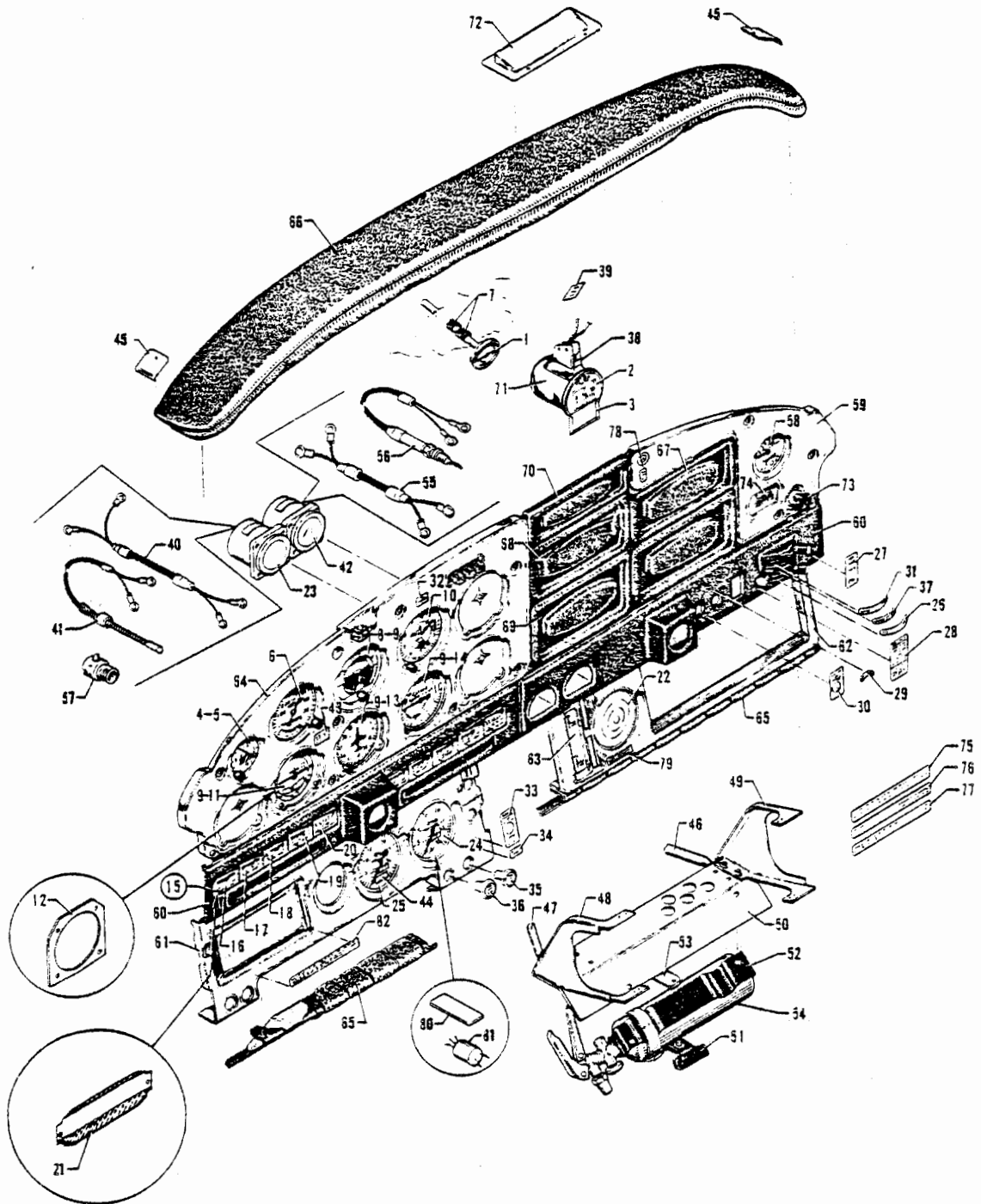


Figure 38A. Instrument Panel Installation

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 38A

- A - When ordering, specify color "bark II" or black.
- B - When ordering, specify color camel, black or mocha.
- C - Used if instrument panel light dimmer control is installed.
- D - Used if a three-blade propeller is installed.
- E - Used if NSD-360 is installed.
- F - See Figure 73 if AutoControl III B is installed, and Figure 74 if AltiMatic III C is installed.
- G - Instrument not approved for IFR.
- H - Includes cable assembly.
- J - Used if Century 21 AutoPilot is installed.
- K - Used if Century 41 AutoPilot is installed.
- L - Used if Century 41 AutoPilot is installed without ADF provisions.
- M - Used if Century 41 AutoPilot is installed with ADF provisions.
- W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
38A-	86366		DRAWING - Instrument Installation, Engine		
	86367		DRAWING - Instrument Installation, Flight		
	86739		DRAWING - Instrument Panel Cover Installation		
	86812		DRAWING - Hour Meter Installation		
	86856		DRAWING - EGT Installation		
	86668		DRAWING - Clock Instrument Installation		
	86843		DRAWING - Electric Tachometer Installation		
	37872		DRAWING - Fire Extinguisher Installation		
-1	99479-02		GAUGE - Air temperature	1	
	99479-03		GAUGE - Air temperature, luminous	1	
-2	67462-06		INSTRUMENT - Compass	1	
-3	79650-02		* HOLDER - Compass card	1	
-4	99478-00		INSTRUMENT - Clock	1	
	548 679		INSTRUMENT - Clock, electric (CA7287)	1	
-5	67431-04		PLATE ASSEMBLY - Cover	2	
-6	548 497		INSTRUMENT - Airspeed, knots (PS50049-54S)	1	
	548 498		INSTRUMENT - True airspeed, knots (PS50049-54T)	1	
-7	79314-00		SPACER - Outside air temperature gauge, inner	1	
	79314-02		SPACER - Outside air temperature gauge, outer	1	
-8	755 428	F,W	INSTRUMENT - Gyro horizon	1	
	99002-03	F	INSTRUMENT - Gyro horizon (Edo-Aire 5000B-9)	1	
	99002-06	F	INSTRUMENT - Gyro horizon (with adjusting knob covered)	1	
-9	67431-00		PLATE ASSEMBLY - Cover	4	
-10	548 153	G	INSTRUMENT - Altimeter, standard (scale in inches of mercury to 20,000 feet)	1	
	550 493	W	INSTRUMENT - Altimeter, sensitive (scale in inches of mercury to 20,000 feet)	1	
	550 491	W	INSTRUMENT - Altimeter, sensitive (scale in millibars to 20,000 feet)	1	
	548 330		INSTRUMENT - Altimeter, sensitive (scale in inches of mercury and millibars to 20,000 feet)	1	
	548 331		INSTRUMENT - Altimeter, sensitive (scale in inches of mercury and millibars to 35,000 feet)	1	
	548 039	W	INSTRUMENT - Altimeter, encoding (scale in inches of mercury to 35,000 feet)	1	
	548 040		INSTRUMENT - Altimeter, encoding (scale in millibars to 35,000 feet)	1	
	548 407		INSTRUMENT - Altimeter, encoding (scale in inches of mercury and millibars to 35,000 feet)	1	
-11	550 483		INSTRUMENT - Turn and bank (1234T100-5), electric	1	
	548 190		INSTRUMENT - Turn coordinator (1394T100), electric	1	
	548 517	H	INSTRUMENT - Turn coordinator (PS50030-13-2) (with internal lighting)	1	
-12	99214-00		PLATE - Support	1	
-13	755 427	F,W	INSTRUMENT - Directional gyro	1	
-14	99010-02		INSTRUMENT - Rate of climb	1	
-15	86552-12		CLUSTER ASSEMBLY - Instrument	2	
-16	86853-02		* GAUGE - Ammeter	1	
-17	86852-02		* GAUGE - Oil temperature	1	
-18	87424-02		* GAUGE - Oil pressure	1	
-19	86929-02		* GAUGE - Fuel pressure	1	
-20	86746-02		* GAUGE - Fuel quantity	1	
-21	79381-00		* LENS - Cluster assembly	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
38A-22	67431-00		PLATE ASSEMBLY - Cover	1	
-23	86857-02		INSTRUMENT - Cylinder head temperature	1	
-24	86849-03		INSTRUMENT - Tachometer, dual (electrical)	1	
	62177-18		INSTRUMENT - Tachometer, dual (mechanical)	1	
-25	86848-02		GAUGE ASSEMBLY - Manifold pressure	1	
-26	35669-84		PLACARD - OFF - ON	1	
-27	35669-87		PLACARD - Air intake, Temp., Def.	1	
-28	35669-83		PLACARD - Operation	1	
-29	35669-80		PLACARD - Over heat	1	
-30	35669-82		PLACARD - Fresh air fan	1	
-31	35669-79		PLACARD - Close/open	1	
-32	69669-39		PLACARD - Press to test	1	
-33	35669-58		PLACARD - Gear up-down	1	
-34	35669-94		PLACARD - Emergency gear	1	
-35	35669-55		PLACARD - Pull to release	1	
-36	35669-81		PLACARD - Park brake pull	1	
-37	35669-85		PLACARD - Warmer	1	
-38	35669-165		PLACARD - Caution compass deviation	1	44-8107001 to 44-8107032 incl., 44-8107034
-39	87369-27		PLACARD - Caution compass deviation	1	44-8107033, 44-8107035 and up
-40	761 248		LEAD ASSEMBLY - Cylinder head temperature (216-240)	2	
-41	763 503		PROBE - Cylinder head temperature (MS90324-1)	2	
-42	86858-02		INDICATOR - EGT	1	
-43	35669-178		PLACARD - Maneuvering speed	1	
-44	35669-176	D	PLACARD - Manifold pressure	1	
-45	79125-00		CAP - Trim, left	1	
	79125-01		CAP - Trim, right	1	
-46	37872-03		BRACE - Fire extinguisher support	1	
-47	37872-04		BRACE - Fire extinguisher support	1	
-48	37872-05		BRACKET ASSEMBLY - Fire extinguisher	1	
-49	37872-07		BRACKET ASSEMBLY - Fire extinguisher	1	
-50	35680-26		BRACKET ASSEMBLY - Fire extinguisher	1	
-51	35680-11		TAB ASSEMBLY - Fire extinguisher	1	
-52	35680-12		BRACKET ASSEMBLY - Fire extinguisher	1	
-53	35680-22		BRACKET - Fire extinguisher	1	
-54	459 849		FIRE EXTINGUISHER - (HA1014-01)	1	
-55	37578-04		WIRE ASSEMBLY - EGT	2	
-56	98681-08		PROBE ASSEMBLY - EGT (001-005-N)	2	
-57	460 664	W	FITTING - (AN4076-1) Cylinder head temperature	2	
-58	96395-00		INSTRUMENT - Vacuum gauge	1	
-59	99959-05	A	COVER - Instrument panel, upper right	1	
-60	86742-02	A	COVER ASSEMBLY - Instrument panel, upper left	1	
	86742-04	A	COVER ASSEMBLY - Instrument panel, upper right	1	
-81	86740-02	A	COVER ASSEMBLY - Instrument panel, lower left	1	44-8107001 to 44-8107026 incl.
	86740-06	A	COVER ASSEMBLY - Instrument panel, lower left	1	44-8107027 and up
	86740-08	A,L	COVER ASSEMBLY - Instrument panel, lower left	1	44-8107027 and up
	86740-10	A,M	COVER ASSEMBLY - Instrument panel, lower left	1	44-8107027 and up
-62	86741-02	A	COVER ASSEMBLY - Instrument panel, lower right	1	44-8107001 to 44-8107032 incl., 44-8107034
	86741-03	A,C	COVER ASSEMBLY - Instrument panel, lower right	1	44-8107001 to 44-8107032 incl., 44-8107034
	86914-02	A	COVER ASSEMBLY - Instrument panel, lower right	1	44-8107033, 44-8107035 and up
-63	69669-23	C	* PLACARD - Radio lights/panel lights	1	44-8107001 to 44-8107032 incl., 44-8107034

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
38A-64	36567-03	A	COVER - Instrument panel, upper left	1	
	36567-02	A,E	COVER - Instrument panel, upper left	1	
	36567-05	A,J	COVER - Instrument panel, upper left	1	44-8107027 and up
	36567-07	A,K	COVER - Instrument panel, upper left	1	44-8107027 and up
-65	99950-00	B	CHANNEL ASSEMBLY - Shin guard, right	1	
	76205-03	B	CHANNEL ASSEMBLY - Shin guard, left	1	
-66	99952-00		SHIELD ASSEMBLY - Glare, black	1	
-67	99059-06	A	COVER ASSEMBLY - Radio opening (6.56 x 2.90)	1	
-68	99060-06	A	COVER ASSEMBLY - Radio opening (6.56 x 3.24)	1	
-69	99061-06	A	COVER ASSEMBLY - Radio opening (6.56 x 3.56)	2	
-70	99062-06	A	COVER ASSEMBLY - Radio opening (6.50 x 1.78)	1	
-71	79600-00		HOUSING ASSEMBLY - Compass	1	
-72	79404-00		COVER - Trim	1	
-73	472 969		LIGHTER - Cigar (204575)	1	
-74	32658-02	W	INDICATOR - Engine hour meter	1	
-75	35669-50		PLACARD - Circuit breaker, top	1	44-8107001 to 44-8107032 incl., 44-8107034 to 44-8107076 incl.
	87369-35		PLACARD - Circuit breaker, top	1	44-8107033, 44-8207001 and up
-76	35669-158		PLACARD - Circuit breaker, center	1	44-8107001 to 44-8107026 incl.
	35669-193		PLACARD - Circuit breaker, center	1	44-8107027 to 44-8107032 incl., 44-8107034 to 44-8107076 incl.
	87369-36		PLACARD - Circuit breaker, center	1	44-8107033, 44-8207001 and up
-77	35669-52		PLACARD - Circuit breaker, bottom	1	44-8107001 to 44-8107032 incl., 44-8107034 to 44-8107076 incl.
	87369-37		PLACARD - Circuit breaker, bottom	1	44-8107033, 44-8207001 and up
-78	35669-125		PLACARD - Radio power, ON-OFF	1	44-8107001 to 44-8107032 incl., 44-8107034 to 44-8107076 incl.
	87369-33		PLACARD - Radio power, ON-OFF	1	44-8107033, 44-8207001 and up
-79	35669-138		PLACARD - Emergency bus switch	1	44-8107001 to 44-8107032 incl., 44-8107034 to 44-8107076 incl.
-80	754 874		FILTER - Electric tachometer (33735)	1	
-81	763 504		PICKOFF - Magnetic, electric tachometer (202700)	2	
-82	67768-00		PLACARD - Alternate static	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

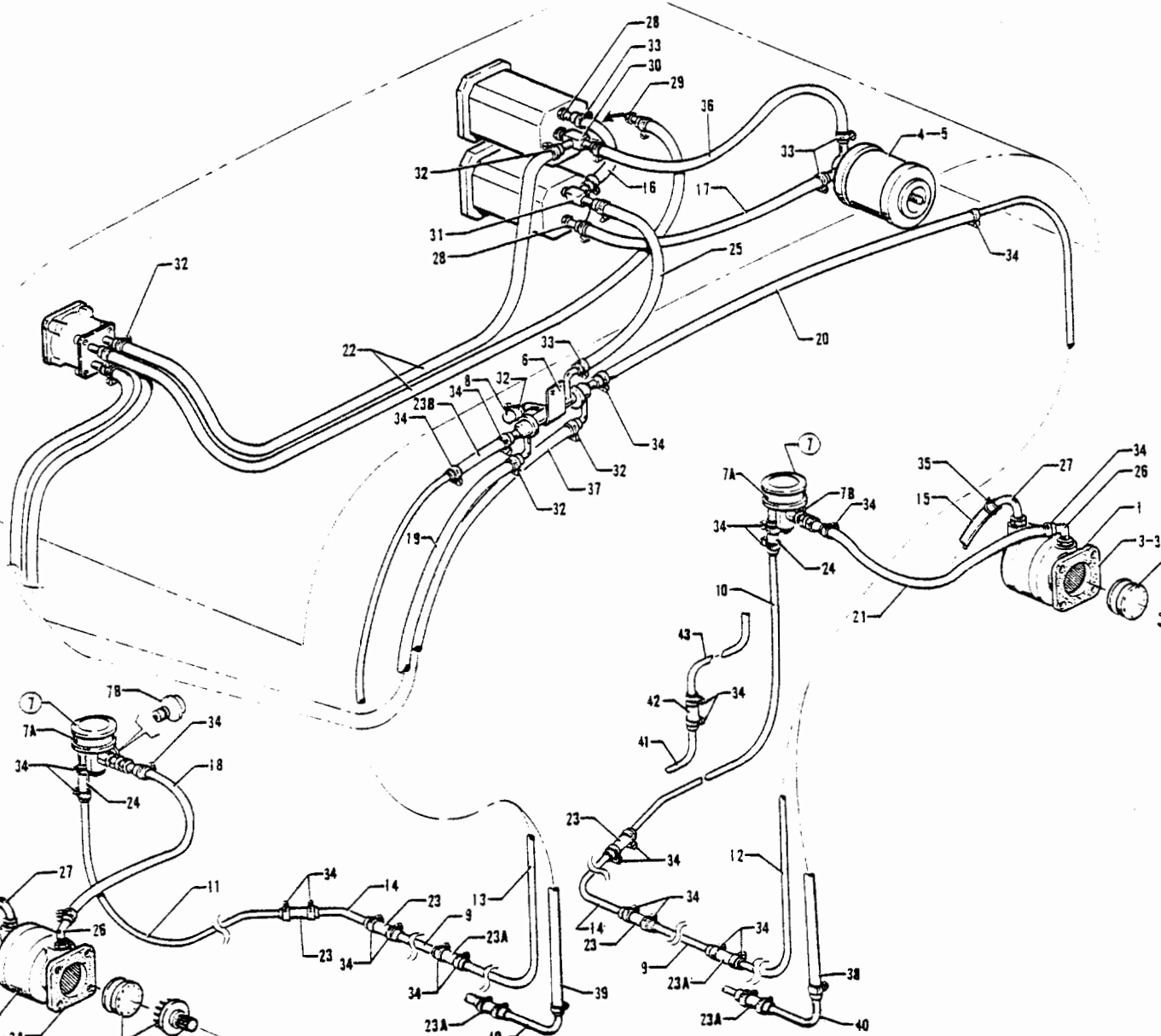


Figure 39. Vacuum System Installation

REVISÉ: JANUARY 1982

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 39

- A - Used on PA-44-180 with serial numbers 44-7995001 to 44-7995038, 44-7995040 to 44-7995072 inclusive.
- B - Used with Vacuum Pump, P/N 26749-07 (Airborne 211CC) and P/N 26749-08 (Airborne 212CW) only.
- C - Used with Vacuum Pump, P/N 36535-02 (Edo-Aire IU128-002) only.
- D - Used on PA-44-180 only.
- E - Used on PA-44-180T only.
- F - Used on PA-44-180 with serial numbers 44-7995039, 44-7995073 and up, and PA-44-180T.
- G - Used on PA-44-180 with serial numbers 44-7995001 to 44-78095037 inclusive, and PA-44-180T with serial numbers 44-8107001 to 44-8107026 inclusive.
- H - Used on PA-44-180 with serial numbers 44-8195001 and up, and PA-44-180T with serial numbers 44-8107027 and up.
- J - Used on PA-44-180 with serial numbers 44-7995039, 44-7995073 to 44-8095037 inclusive, and PA-44-180T with serial numbers 44-8107001 to 44-8107026 inclusive.
- W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
39-	86365	D	DRAWING - Vacuum System Installation		
	86859	E	DRAWING - Vacuum System Installation		
-1	26749-07	W	PUMP - Dry vacuum, left (Airborne 211CC)	1	
	26749-08	W	PUMP - Dry vacuum, right (Airborne 212CW)	1	
	36535-02		PUMP - Dry vacuum (Edo-Aire IU128-002)	2	
-2	753 910	B,W	* COUPLING ASSEMBLY KIT - Vacuum pump drive (No. 350)	1	
-3	751 859	B,W	* * GASKET - Vacuum pump mounting (B3-1-2)	1	
-3a	462 023	C,W	* GASKET - Vacuum pump mounting (AN4045-1)	1	
-4	460 888	W	FILTER ASSEMBLY - Air (66673-00)	1	
-5	757 899	W	* CARTRIDGE - Air filter (D9-18-1)	1	
-6	492 184		CHECK VALVE AND MANIFOLD ASSEMBLY - (1H5-8)	1	
-7	484 091		VALVE - Pressure regulator (2H3-27)	2	
-7a	751 815	W	* FILTER - Air (B3-5-1)	1	
-7b	762 437		* SWITCH - (F7-16-2)	1	
-8	96268-00		PLUG ASSEMBLY - Vacuum manifold	1	
-9	37343-50		TUBE - Vacuum	2	
-10	37343-51	D	TUBE - Vacuum, left	1	
-11	37343-52		TUBE - Vacuum, right	1	
-12	37343-53	A	TUBE - Vacuum, left	1	
-13	37343-54	A	TUBE - Vacuum, right	1	
-14	37343-55		TUBE - Vacuum	2	
-15	63904-29	D	HOSE - Vacuum	2	
	63913-142	E	HOSE - Vacuum	2	
-16	63913-02		HOSE - Vacuum	1	
-17	63913-44		HOSE - Vacuum	1	
-18	63913-156	D	HOSE - Vacuum	1	
	69015-73	E	HOSE - Vacuum	1	
-19	63913-174	G	HOSE - Vacuum	1	
	63913-175	H	HOSE - Vacuum	1	
-20	63913-81	A	HOSE - Vacuum	1	
-21	63913-84	D	HOSE - Vacuum	1	
	63913-192	E	HOSE - Vacuum	1	
-22	63913-49		HOSE - Vacuum	2	
-23	63913-153		HOSE - Vacuum	4	
-23a	63913-153	A	HOSE - Vacuum	2	
	63913-124	F	HOSE - Vacuum	2	
-23b	63913-153	A	HOSE - Vacuum	1	
-24	63913-154		HOSE - Vacuum	2	
-25	63913-155	G	HOSE - Vacuum	1	
	69015-59	H	HOSE - Vacuum	1	
-26	458 958	O,W	ELBOW - (1K1-6-10)	2	
	560 774	E	ELBOW - (1K9-6-10)	2	
-27	458 900	W	ELBOW - (1K8-6-8)	2	
-28	558 913	D,W	ELBOW - (1K9-4-6)	2	
	451 939	E,W	ELBOW - (1K10-4-6)	2	
-29	451 881	W	FITTING - (1K10-2-4)	1	
-30	460 836		FITTING - (1K31-1)	1	
-31	460 585		FITTING - (1K31-2)	1	
-32	554 861	W	CLAMP - (SAE TYF-4)	9	
-33	554 888	W	CLAMP - (SAE TYF-6)	8	
-34	554 659	W	CLAMP - (SAE TYF-8)	24	
-35	554 985	O	CLAMP - (SAE TYE-11)	2	
	454 837	E	CLAMP - (SAE -TYA-7/8)	2	
-36	63913-50		HOSE - Vacuum	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
39-37	63913-175	G	HOSE - Vacuum	1	
	63913-174	H	HOSE - Vacuum	1	
-38	63913-184	J	HOSE - Vacuum, left (41.5" long)	1	
	69015-58	H	HOSE - Vacuum, left (59.5" long)	1	
-39	63913-183	J	HOSE - Vacuum, right (30" long)	1	
	63913-64	H	HOSE - Vacuum, right (14.25" long)	1	
-40	37343-63	F	TUBE - Vacuum	2	
-41	37343-75	E	TUBE - Vacuum, left	1	
-42	63913-153	E	HOSE - Vacuum, left	1	
-43	37343-76	E	TUBE - Vacuum, left	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

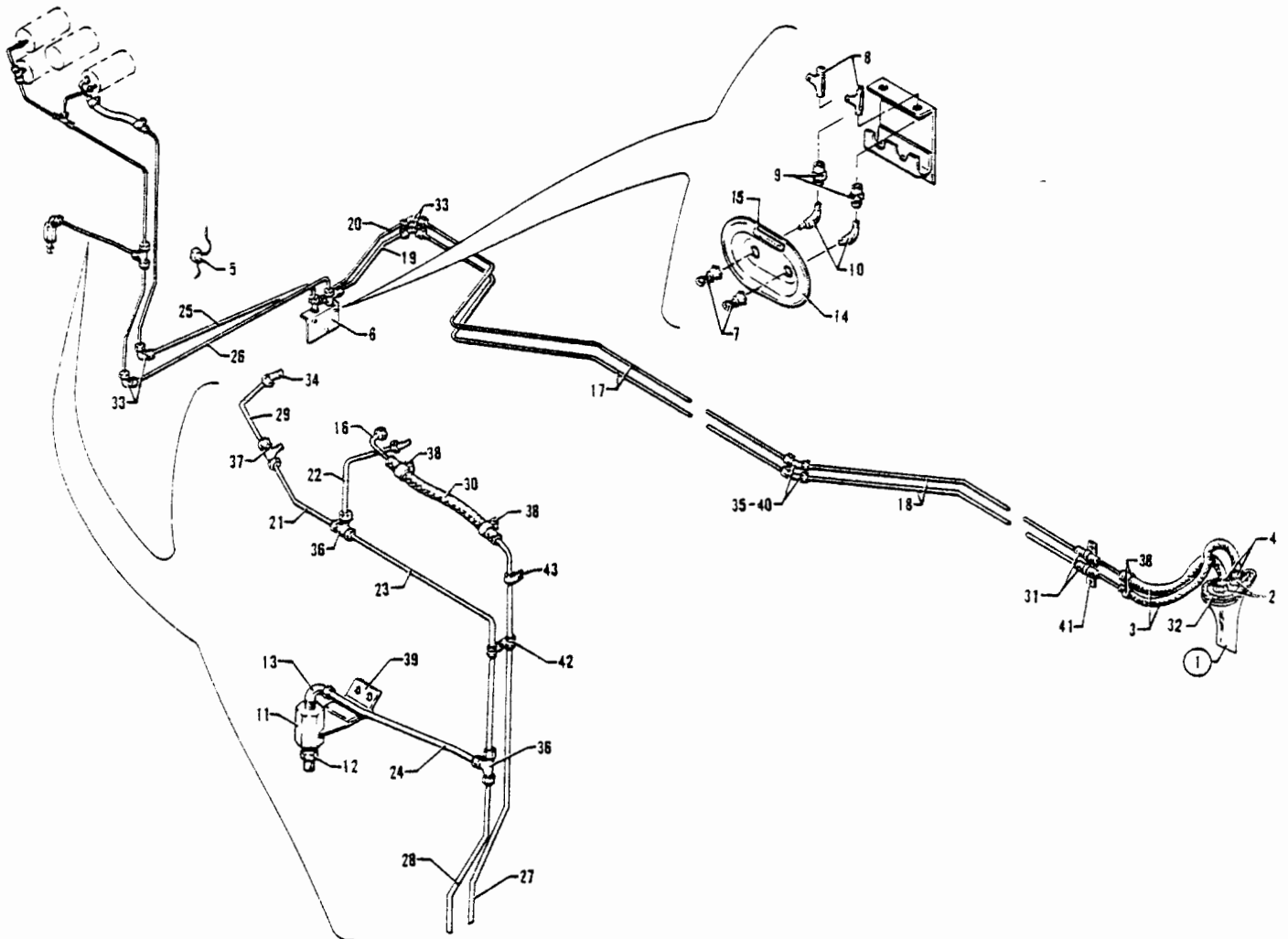


Figure 40. Pitot Static System Installation

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 40

- A - Used if heated pitot head is installed.
- B - Used if encoding altimeter is installed.
- C - When ordering, specify color "bark II" or black.
- D - See Figure 72 if Electric Trim Stop Sensor is installed.
- E - See Figure 74 if AltiMatic III C is installed.
- F - Used on PA-44-180 with serial numbers 44-7995001 to 44-8195040 inclusive, and PA-44-180T with serial numbers 44-8107001 to 44-8207004 inclusive.
- G - Used on PA-44-180 with serial numbers 44-8295001 and up, and PA-44-180T with serial numbers 44-8207005 and up.
- W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
40-	86194		DRAWING - Pitot Static System Installation		
-1	96393-03		HEAD ASSEMBLY - Pitot (unheated)	1	
	96392-04	F	HEAD ASSEMBLY - Pitot (heated)	1	
	96392-07	G	HEAD ASSEMBLY - Pitot (heated)	1	
-2	556 105		* CONNECTOR - (1068 x 4)	2	
-3	63913-34		* HOSE - Pitot air	2	
-4	554 861	W	* CLAMP - (SAE TYF-4)	2	
-5	99377-04		SWITCH - Pitot heat	1	
-6	35574-00		SUMP ASSEMBLY - Pitot static	1	
-7	492 241		* VALVE - (PS50036-2-2)	2	
-8	488 310	W	* TEE - (AN826-3D)	2	
-9	455 173	W	* COUPLING - (AN910-1D)	2	
-10	35696-02		* ELBOW	2	
-11	96143-00		VALVE ASSEMBLY - Static air vent	1	
-12	492 100	W	* VALVE - (CCA-7450)	1	
-13	458 893	E,W	* ELBOW - (AN822-3D)	1	
-14	35507-02	C	COVER ASSEMBLY - Pitot static drain	1	
-15	69669-115		* PLACARD - Pitot static system drain	1	
-16	63207-00		TUBE ASSEMBLY - Pitot	1	
-17	37343-45		TUBE ASSEMBLY - Pitot static and pressure	2	
-18	37343-46		TUBE ASSEMBLY - Pitot static and pressure	2	
-19	37343-47		TUBE ASSEMBLY - Pitot static	1	
-20	37343-48		TUBE ASSEMBLY - Pitot pressure	1	
-21	67700-65		TUBE ASSEMBLY - Pitot static	1	
-22	67700-66		TUBE ASSEMBLY - Pitot static	1	
-23	67700-67		TUBE ASSEMBLY - Pitot static	1	
-24	67700-68		TUBE ASSEMBLY - Pitot static	1	
-25	37343-41		TUBE ASSEMBLY - Pitot pressure	1	
-26	37343-42		TUBE ASSEMBLY - Pitot static	1	
-27	37343-40	D	TUBE ASSEMBLY - Pitot pressure	1	
-28	67700-129		TUBE ASSEMBLY - Pitot static	1	
-29	95153-101		TUBE ASSEMBLY - Pitot static	1	
	95153-158	B	TUBE ASSEMBLY - Pitot static	1	
-30	63913-56	D	HOSE - Pitot pressure	1	
-31	63913-163		HOSE	2	
-32	69042-02		GASKET - Pitot head	1	
	69042-00	A	GASKET - Pitot head	1	
-33	458 879	W	ELBOW - (AN821-3D)	4	
-34	458 893	W	ELBOW - (AN822-3D)	1	
-35	458 909	W	ELBOW - (AN837-3D)	2	
-36	488 315	W	TEE - (AN824-3D)	2	
-37	488 380	W	TEE - (AN825-3D)	1	
	491 059	W	UNION - (AN832-3D)	1	
-38	554 861	W	CLAMP - (SAE TYF-4)	4	
-39	78113-00		CLIP ASSEMBLY - Alternate static source	1	
-40	407 567	W	WASHER - (AN960-616)	2	
	477 617	W	NUT - (AN924-3D)	2	
-41	488 706		PLATE - Mounting (MS3339-2-9)	1	
-42	454 928	W	CLAMP - (PS10017-2-3)	2	
-43	554 953		CLAMP - (PS10017-8-3)	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

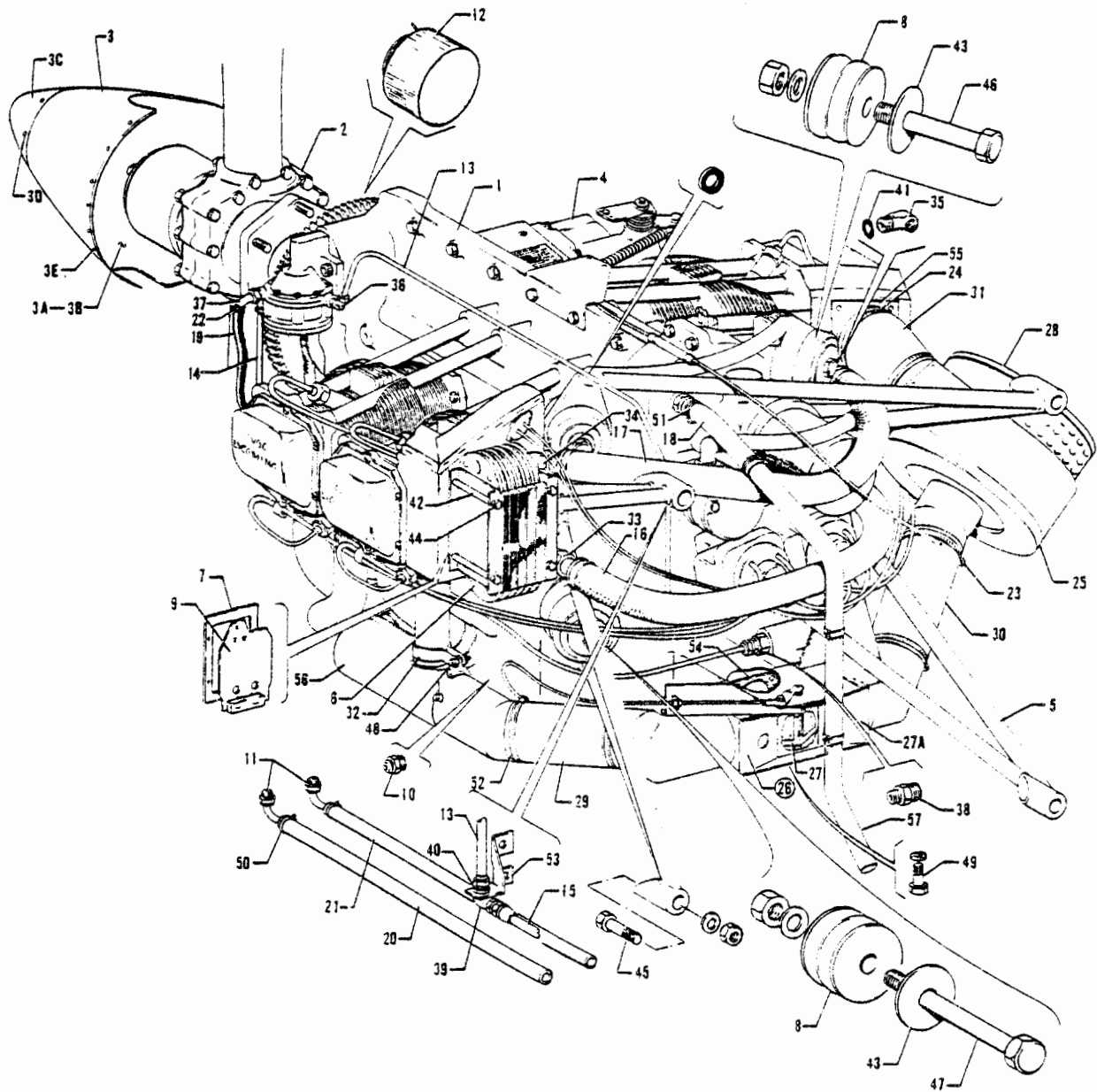


Figure 41. Power Plant Installation

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 41

- A - Secure from Lycoming Division-Avco Corporation, Williamsport, Penna.
- B - Refer to Figure 47 for component parts.
- C - Refer to Figure 47A for component parts.
- D - Used with two-blade propeller assembly only.
- E - Used with three-blade propeller assembly only.
- F - Refer to Figure 47B if Propeller Synchrophaser System installed.
- G - See Figure 71 for component parts.
- H - Used only with carburetor air boxes that incorporate an aluminum flapper valve assembly.
- W - These parts must ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
41-	86200 86201		DRAWING - Power Plant Installation DRAWING - Induction Air System Installation		
-1		A	ENGINE ASSEMBLY - Lycoming, left (O-360-EIAD)	1	
		A	ENGINE ASSEMBLY - Lycoming, right (LO-360-EIAD)	1	
-2	550 979	B	PROPELLER ASSEMBLY - Hartzell, two-blade (HC-C2Y(K,R)-2CEUF/FC7666A-2R) left	1	
	550 980	B	PROPELLER ASSEMBLY - Hartzell, two-blade (HC-C2Y(K,R)-2CLEUF/FJC7666A-2R) right	1	
	550 989	C	PROPELLER ASSEMBLY - Hartzell, three-blade (HC-C3YR-2EUF/FC7663-5R) left	1	
	550 990	C	PROPELLER ASSEMBLY - Hartzell, three-blade (HC-C3YR-2LEUF/FJC7663-5R) right	1	
-3	762 388	D	SPINNER - Propeller, left (C-2284-3)	1	
	762 389	D	SPINNER - Propeller, right (C-2284-3L)	1	
	762 390	E	SPINNER - Propeller, left and right (D-4560)	2	44-7995001 to 44-8195003 incl.
	762 450	E	SPINNER - Propeller, left and right (D-4560-2)	2	44-8195004 and up
-3a	758 470	D	BULKHEAD - Spinner, aft (C-2283-2)	2	
	758 475	E	BULKHEAD - Spinner, aft (D-4561)	2	44-7995001 to 44-8195003 incl.
	758 550	E	BULKHEAD - Spinner, aft (D-4561-3)	2	44-8195004 and up
-3b	763 465	D	PLATE - Filler, aft (B-4244-1)	4	
-3c	763 297	D	CAP - Spinner (B-3242)	2	
	763 301	E	CAP - Spinner (C-4563)	2	
-3d	414 783	W	SCREW - (MS24693-S50)	6	
-3e	411 532	D	SCREW - (MS35207-263)	32	
	411 532	E	SCREW - (MS35207-263)	36	
	756 669	D,W	WASHER - (A-1020)	32	
	756 669	E,W	WASHER - (A-1020)	36	
-4	37846-05		GOVERNOR ASSEMBLY - Propeller, left	1	
	37845-06	F	GOVERNOR ASSEMBLY - Propeller, right	1	
-5	86212-02		MOUNT ASSEMBLY - Engine	2	
-6	16599-00		COOLER ASSEMBLY - Oil	2	
-7	38155-00		SEAL ASSEMBLY - Oil cooler	2	
-8	475 124		MOUNTING KIT - Engine (J-9613-40)	8	
-9	86694-02		PLATE - Oil cooler, winterization	2	
-10	492 172		VALVE - Oil drain (1H50-1)	2	
-11	24995-00	W	VALVE - Fuel drain	4	
-12		G	ALTERNATOR INSTALLATION		
-13	86238-41		TUBE ASSEMBLY - Fuel pump to baffle	2	
-14	86238-42		TUBE ASSEMBLY - Fuel pump to carburetor	2	
-15	63901-24		HOSE ASSEMBLY - Fuel, left	1	
	63901-101		HOSE ASSEMBLY - Fuel, right	1	
-16	63901-26		HOSE ASSEMBLY - Oil cooler to filter	1	
-17	63901-35		HOSE ASSEMBLY - Oil cooler	2	
-18	63913-158		HOSE - Oil breather tube	2	
-19	63913-162		HOSE - Fuel pump	2	
-20	69015-07		HOSE - Drain	2	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
41-21	69015-17		HOSE - Drain	2	
-22	454 833	W	CLAMP - (SAE TY E-6)	2	
-23	554 866	W	CLAMP - (SAE TY F-48SS)	4	
-24	454 808	W	CLAMP - (SAE TY F-60)	4	
-25	86216-02		BOX ASSEMBLY - Air filter	2	44-7995001 to 44-8095026 incl.
	86216-11		BOX ASSEMBLY - Air filter	2	44-8095027 and up
-26	86245-21		BOX ASSEMBLY - Carburetor air	2	
-27	87327-03	H	* VALVE ASSEMBLY - Carburetor air box	1	
-27a	35516-06	H	* BOTTOM ASSEMBLY - Carburetor air box	1	
-28	460 630		FILTER - Air (Fram CA144PL)	2	
-29	99849-05		HOSE - Filter to shroud	2	
-30	99849-05		HOSE - Filter to carburetor air box (6.00 L.)	2	
	99849-22		HOSE - Filter to carburetor air box (8.50 L.)	2	
-31	99849-16		HOSE - Filter to baffle	2	44-7995001 to 44-8095026 incl.
	99849-07		HOSE - Filter to baffle	2	44-8095027 and up
-32	63243-02		CLAMP	2	
-33	458 898	W	ELBOW - (MS20822-8D)	2	
-34	458 886	W	ELBOW - (MS20823-8D)	2	
-35	558 804		ELBOW - (MS51527-88)	4	
-36	558 830		ELBOW - (RA2000-C6)	4	
-37	458 948	W	ELBOW - (1K1-2-4)	2	
-38	476 678	W	NIPPLE - (AN816-6)	2	
-39	458 936	W	ELBOW - (AN833-6)	2	
-40	477 631	W	NUT - (AN924-6)	2	
-41	484 879		"O" RING - (MS28778-8)	4	
-42	86062-94		SPACER - Oil cooler	8	
-43	85012-101		WASHER - Engine mount	4	
-44	400 464		BOLT - (AN3-41A)	8	
	407 564	W	WASHER - (AN960-10)	8	
	407 584	W	WASHER - (AN960-10L)	8	
	404 887	W	NUT - (MS20365-1032C)	8	
-45	401 389		BOLT - (AN6-11A)	8	
	407 567	W	WASHER - (AN960-616)	AR	
	477 887		NUT - (PS10062-8-624C)	8	
-46	401 546		BOLT - (AN7-46A) Top	4	
	407 568	W	WASHER - (AN960-716) Top	4	
	404 891	W	NUT - (MS20365-720C) Top	4	
-47	401 547		BOLT - (AN7-47A) Bottom	4	
	407 568	W	WASHER - (AN960-716) Bottom	4	
	404 891	W	NUT - (MS20365-720C) Bottom	4	
-48	400 003	W	BOLT - (AN4-6A)	4	
	407 565	W	WASHER - (AN960-416)	4	
	404 888	W	NUT - (MS20365-428C)	4	
-49	401 919		BOLT - (MS20074-04-04)	8	
	407 136	W	WASHER - (AN936-A416)	8	
-50	454 983	W	CLAMP - (SAE TY E-8)	2	
-51	454 860	W	CLAMP - (SAE TY A-1 1/8)	4	
-52	454 864		CLAMP - (SAE TY A-3 1/8)	4	
-53	86574-02		SUPPORT - Fuel line	2	
-54	86201-09		GASKET - Carburetor air box	1	44-7995001 to 44-8095026 incl.
-55	86201-06		INTAKE ASSEMBLY - Induction air	1	44-7995001 to 44-8095026 incl.
	86201-11		INTAKE ASSEMBLY - Induction air	1	44-8095027 and up
-56	86559-02		SHROUD ASSEMBLY - Carburetor heat	2	
-57	86553-02		TUBE - Engine breather	2	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

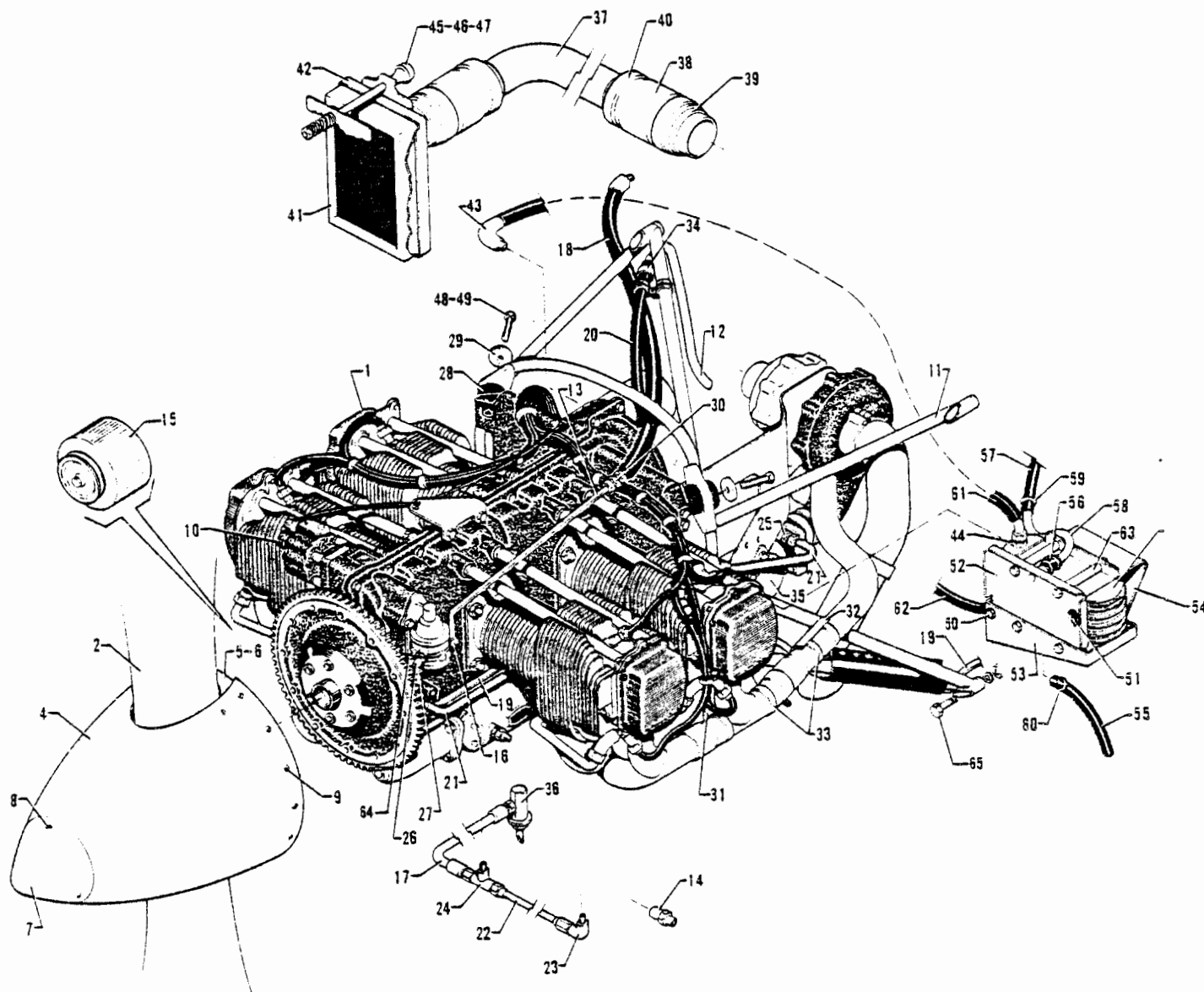


Figure 41A. Power Plant Installation

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 41A

- A - Secure from Lycoming Division - Avco Corporation, Williamsport, Penna.
- B - Refer to Figure 47 for component parts.
- C - Refer to Figure 47A for component parts.
- D - Used with two blade propeller assembly only.
- E - Used with three blade propeller assembly only.
- F - Refer to Figure 47B if Propeller Synchrophaser System is installed.
- G - See Figure 71 for component parts.
- W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
41A-	86802 86827 86809		DRAWING - Power Plant Installation DRAWING - Induction Air System Installation DRAWING - Oil Cooler Installation		
-1		A	ENGINE ASSEMBLY - Lycoming, left (TO-360-EIA6D)	1	
		A	ENGINE ASSEMBLY - Lycoming, right (LTO-360-EIA6D)	1	
-2	550 996	B	PROPELLER ASSEMBLY - Hartzell, two-blade (HC-C2Y(K,R)-2CEUF/FC7666A-2R) left	1	
	550 997	B	PROPELLER ASSEMBLY - Hartzell, two-blade (HC-C2Y(K,R)-2CLEUF/FJC7666A-2R) right	1	
	550 998	C	PROPELLER ASSEMBLY - Hartzell, three-blade (HC-C3YR-2EUF/FC7663-5R) left	1	
	550 999	C	PROPELLER ASSEMBLY - Hartzell, three-blade (HC-C3YR-2LEUF/FJC7663-5R) right	1	
-3	556 724		COOLER - Oil (10641B)	2	
-4	762 388	D	SPINNER - Propeller, left (C-2284-3)	1	
	762 389	D	SPINNER - Propeller, right (C-2284-3L)	1	
	762 390	E	SPINNER - Propeller, left and right (D-4560)	2	44-8107001 to 44-8107032 incl.
	762 450	E	SPINNER - Propeller, left and right (D-4560-2)	2	44-8107033 and up
-5	758 470	D	BULKHEAD - Spinner, aft (C-2283-2)	2	
	758 475	E	BULKHEAD - Spinner, aft (D-4561)	2	44-8107001 to 44-8107032 incl.
	758 550	E	BULKHEAD - Spinner, aft (D-4561-3)	2	44-8107033 and up
-6	763 466	D	PLATE - Filler, aft (B-4244-1)	4	
-7	763 297	D	CAP - Spinner (B-3242)	2	
	763 301	E	CAP - Spinner (C-4563)	2	
-8	414 783	W	SCREW - (MS24693-S50)	6	
-9	411 532	D	SCREW - (MS35207-263)	32	
	411 532	E	SCREW - (MS35207-263)	36	
	756 669	D,W	WASHER - (A-1020)	32	
	756 669	E,W	WASHER - (A-1020)	36	
-10	37845-07		GOVERNOR ASSEMBLY - Propeller, left	1	
	37845-08	F	GOVERNOR ASSEMBLY - Propeller, right	1	
-11	86212-02		MOUNT ASSEMBLY - Engine	2	
-12	86884-02		TUBE - Engine breather	2	
-13	86238-71		TUBE ASSEMBLY - Fuel	2	
-14	492 172		VALVE - Oil drain (1H50-1)	2	
-15		G	ALTERNATOR INSTALLATION		
-16	558 830		ELBOW - (RA2000-C6)	2	
-17	35801-13		HOSE ASSEMBLY - Fuel drain	2	
-18	35801-14		HOSE ASSEMBLY - Fuel	2	
-19	63913-162		HOSE	2	
-20	63913-195		HOSE	2	
-21	86238-67		TUBE ASSEMBLY - Fuel pump to carburetor	2	
-22	86238-81		TUBE ASSEMBLY - Fuel	2	
-23	37390-03		ELBOW - Restricted	2	
-24	86892-02		TEE - Restricted	2	
-25	476 678	W	NIPPLE - (AN816-6)	2	
-26	458 948	W	ELBOW - (1K1-2-4)	2	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
41A-27	454 833	W	CLAMP - (SAE TY E-6)	2	
-28	475 124		MOUNTING KIT - Engine (J-9613-40)	8	
-29	85012-101		WASHER - Engine mount	4	
-30	491 056	W	UNION - (AN815-6)	2	
-31	86865-02		SHIELD ASSEMBLY - Heat	2	
-32	86865-03		SHIELD ASSEMBLY - Heat	2	
-33	454 818	W	CLAMP - (SAE TY F-32)	10	
-34	454 860	W	CLAMP - (SAE TY A-1 1/8)	4	
-35	86934-02		SHIELD ASSEMBLY - Turbo heat	2	
-36	491 950		VALVE - Fuel drain (A/M 1H19-9)	2	
-37	86842-02		TUBE ASSEMBLY - Carburetor heat	2	
-38	86827-16		SUPPORT - Carburetor heat tube	8	
-39	86827-17		SLEEVE - Carburetor heat tube	4	
-40	554 926	W	CLAMP - (SAE TY F-44)	8	
-41	86881-02		FILTER - Air	2	
-42	86827-03		ENCLOSURE ASSEMBLY - Air filter	2	
-43	558 804		ELBOW - (MS51527-88)	4	
-44	476 664	W	NIPPLE - (AN816-8D)	4	
-45	400 459	W	BOLT - (AN3-34A)	4	
	407 564	W	WASHER - (AN960-10)	8	
	407 128	W	WASHER - (AN936-810)	4	
	404 224	W	NUT - (AN315-3R)	4	
-46	471 084		KNOB - (233)	4	
-47	585 057		SPRING - (LC-038D-5)	4	
-48	401 547		BOLT - (AN7-47A) Bottom	8	
	407 568	W	WASHER - (AN960-716) Bottom	8	
	477 897		NUT - (PS10062-8-720C) Bottom	8	
-49	401 546		BOLT - (AN7-48A) Top	8	
	407 568	W	WASHER - (AN960-716) Top	8	
	477 897		NUT - (PS10062-8-720C) Top	8	
-50	415 533	W	BOLT - (MS35206-243)	4	
-51	86834-02		SEAL ASSEMBLY - Oil cooler	2	
-52	86808-02		PLATE ASSEMBLY - Oil cooler	2	
-53	86900-02		SHIELD ASSEMBLY - Oil cooler	2	
-54	86864-02		SHIELD - Oil cooler exhaust	2	
-55	63913-200		HOSE	2	
-56	63913-103		HOSE	2	
-57	63913-153		HOSE	2	
-58	37343-83		TUBE ASSEMBLY - Magneto blast cooling	2	
-59	554 809	W	CLAMP - (SAE TY E-15)	6	
-60	454 987	W	CLAMP - (SAE TY E-12)	2	
-61	35801-09		HOSE ASSEMBLY - Oil cooler	2	
-62	35801-10		HOSE ASSEMBLY - Oil cooler	2	
-63	400 464	W	BOLT - (AN3-41A)	8	
	86062-94		SPACER	8	
	407 564	W	WASHER - (AN960-10)	8	
	407 584	W	WASHER - (AN960-10L)	16	
-64	588 719		TEE - (203003-6-6S)	2	
-65	401 389		BOLT - (AN6-11A)	8	
	407 567	W	WASHER - (AN960-616)	AR	
	477 887		NUT - (PS10062-8-624C)	8	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

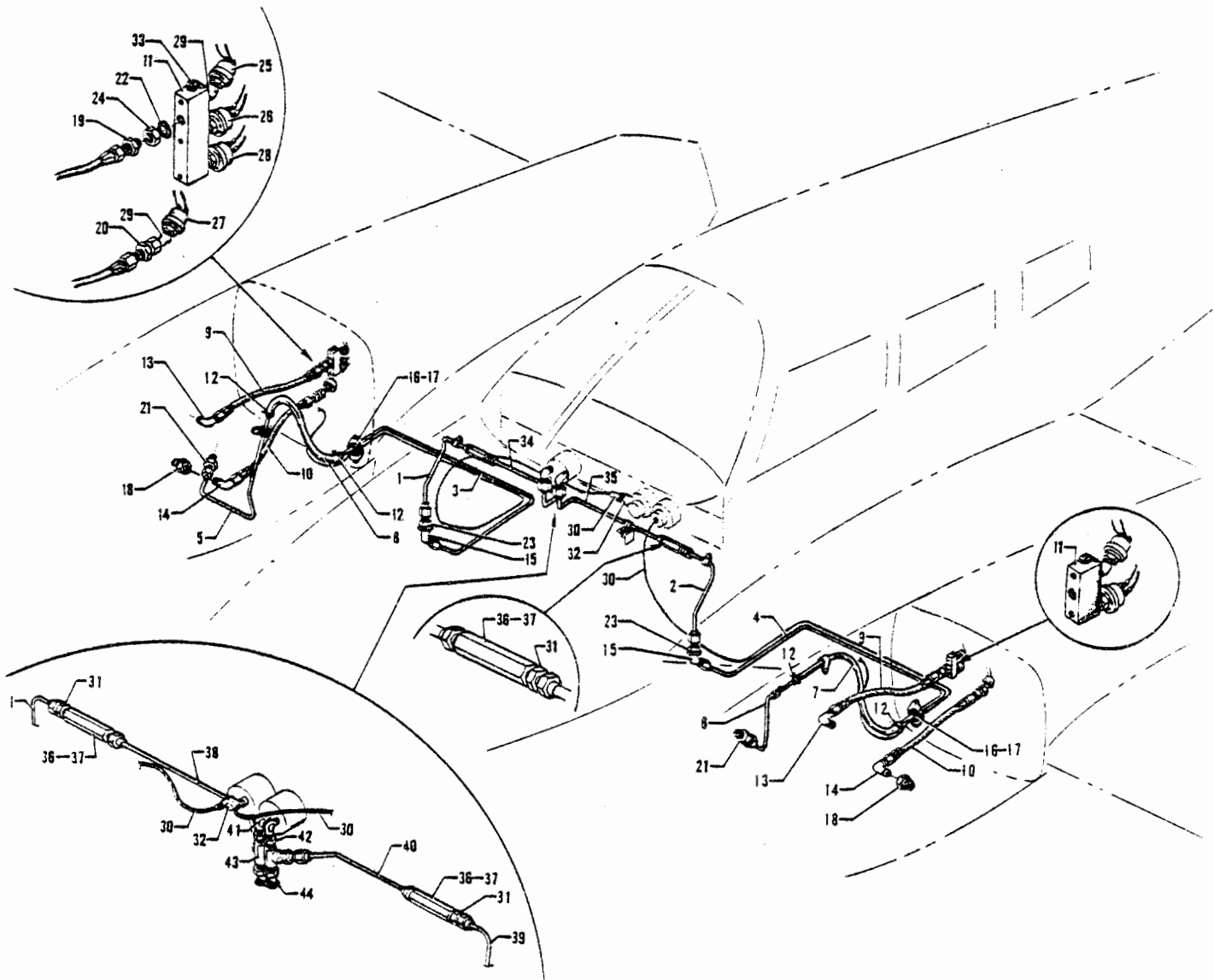


Figure 42. Engine Instrument Lines Installation

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 42

- A - Used if engine hour meter is installed.
- B - Used if two tachometer assemblies are installed.
- C - Used if one dual tachometer assembly is installed.
- W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
42-	86205		DRAWING - Engine Instrument Lines Installation		
-1	37343-43		TUBE ASSEMBLY - Manifold pressure, right	1	
-2	37343-44	B	TUBE ASSEMBLY - Manifold pressure, left	1	
-3	37343-56		TUBE ASSEMBLY - Manifold pressure, right	1	
-4	37343-57		TUBE ASSEMBLY - Manifold pressure, left	1	
-5	86759-02		TUBE - Manifold pressure, right engine	1	
-6	86760-02		TUBE - Manifold pressure, left engine	1	
-7	63913-26		HOSE - Manifold pressure, left engine	1	
-8	63913-03		HOSE - Manifold pressure, right engine	1	
-9	63901-41		HOSE ASSEMBLY - Fuel and oil pressure	2	
-10	63901-32		HOSE ASSEMBLY - Fuel and oil pressure	2	
-11	86576-02		MANIFOLD - Oil pressure switch and oil pressure sender	2	
	86576-03	A	MANIFOLD - Oil pressure switch, oil pressure sender and hour meter, right	1	44-7995001 to 44-8095017 incl., 44-8095020 and up
-12	454 983	W	CLAMP - (SAE TY E-8)	4	
-13	37390-00		ELBOW	2	
-14	37390-02		ELBOW	2	
-15	458 910	W	ELBOW - (AN837-4D)	2	
-16	63915-21		DISC - Firewall	4	44-7995001 to 44-7995190 incl.
	63915-09		DISC - Firewall	4	44-7995191 and up
-17	18321-00		PLATE - Firewall	4	
-18	453 680		REDUCER - (AN912-1C)	2	
-19	491 063	W	UNION - (AN832-4)	2	
-20	560 831		FITTING - (A1109-3)	2	
-21	460 685	W	FITTING - (200 x 4)	2	
-22	484 842		"O" RING - (MS29512-04)	2	
-23	407 568	W	WASHER - (AN960-716)	2	
	477 618	W	NUT - (AN924-4D)	2	
-24	477 629	W	NUT - (AN924-4)	2	
-25	86684-02		SENDER - Oil pressure gauge	2	
-26	587 961		SWITCH - Oil pressure (M4011)	2	44-7995001 to 44-8195001 incl.
	587 956		SWITCH - Oil pressure (M4009-15)	2	44-8195002 and up
-27	86686-02		SENDER - Fuel pressure gauge	2	
-28	487 905	A,W	SWITCH - Hour meter (M4006-4)	2	44-7995001 to 44-8095017 incl., 44-8095020 and up
-29	458 946		ELBOW - (AN915-1D)	4	
-30	486 534		CABLE ASSEMBLY - Tachometer (PS50044-23)	2	
-31	476 648	W	NIPPLE - (AN816-4D)	2	
-32	451 910		ADAPTER - Tachometer drive reverser	1	
-33	582 223		PLUG - Manifold (MS20913-1D)	2	
-34	37343-61	B	TUBE ASSEMBLY - Manifold pressure, right	1	
-35	37343-62	B	TUBE ASSEMBLY - Manifold pressure, left	1	
-36	78651-00		HOUSING - Filter manifold pressure line	2	
-37	560 686		FILTER - (1215)	2	
-38	37343-70	C	TUBE ASSEMBLY - Manifold pressure, right	1	
-39	37343-71	C	TUBE ASSEMBLY - Manifold pressure, left	1	
-40	37343-72	C	TUBE ASSEMBLY - Manifold pressure, left	1	
-41	458 904	C,W	ELBOW - (AN914-1D)	2	
-42	476 643	C,W	UNION - (AN911-1D)	2	
-43	488 474	C,W	TEE - (AN917-1D)	2	
-44	492 241	C	VALVE - (PS50036-2-2)	2	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

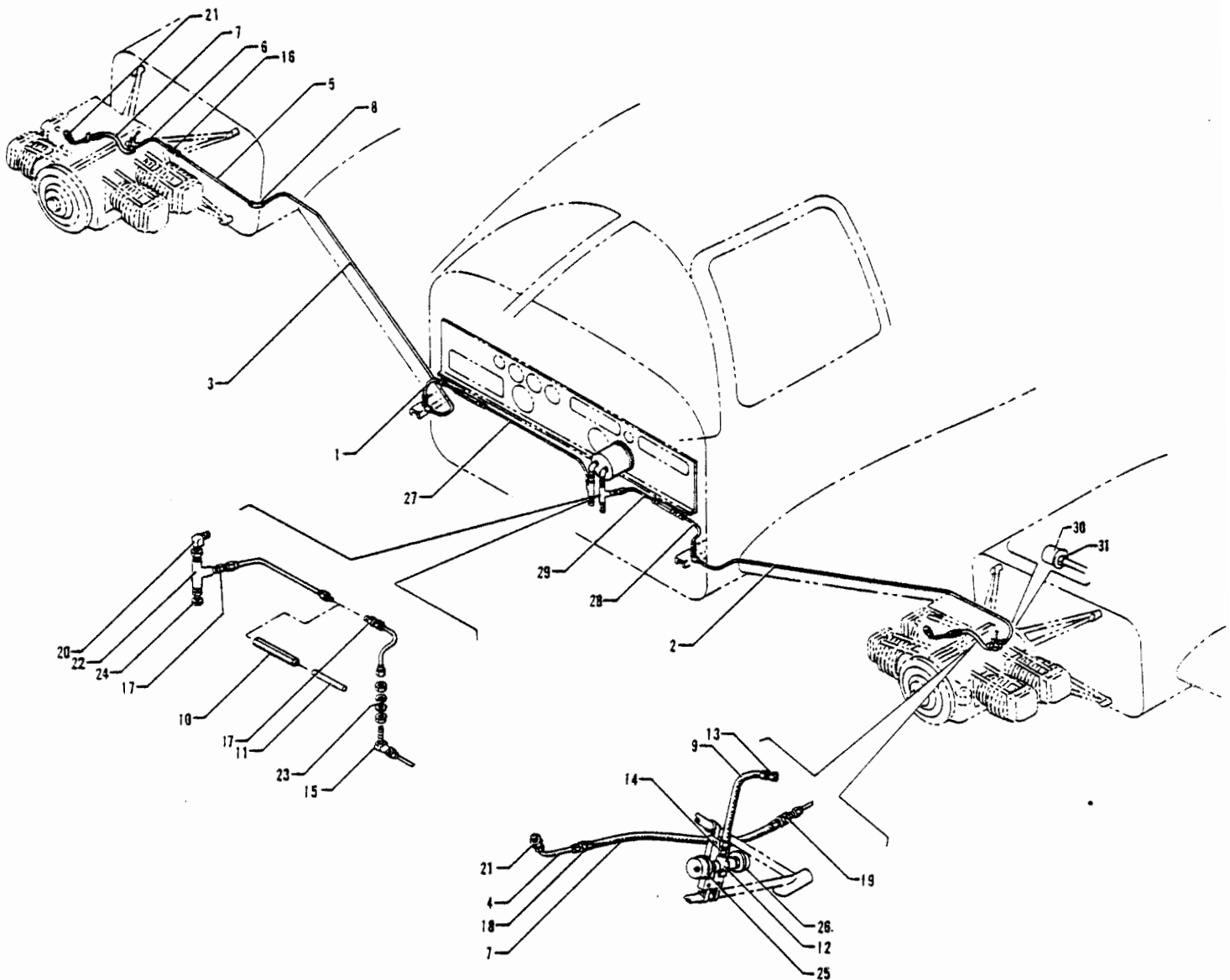


Figure 42A. Engine Instrument Lines Installation

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 42A

A - See Figure 69A if air conditioning is installed.

W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
42A-	86805		DRAWING - Engine Instrument Lines Installation		
-1	37343-43		TUBE ASSEMBLY - Manifold pressure, right	1	
-2	37343-68		TUBE ASSEMBLY - Manifold pressure, left	1	
-3	37343-69		TUBE ASSEMBLY - Manifold pressure, right	1	
-4	37343-67		TUBE ASSEMBLY - Manifold pressure	2	
-5	37343-74		TUBE ASSEMBLY - Manifold pressure, right	1	
-6	37343-73		TUBE ASSEMBLY - Manifold pressure, right	1	
-7	35801-15		HOSE - Manifold pressure	2	
-8	458 880	W	ELBOW - (AN821-4D)	1	
-9	63901-92		HOSE ASSEMBLY - Oil pressure	2	
-10	78651-00		HOUSING - Filter, manifold pressure line	2	
-11	560 686		FILTER - (1215)	2	
-12	588 718		TEE - (C3709 x 2)	2	
-13	37390-00		ELBOW	2	
-14	476 686	W	UNION - (AN816-4)	2	
-15	458 910	W	ELBOW - (AN837-4D)	2	
-16	491 050	W	UNION - (AN815-4D)	1	
-17	476 648	W	NIPPLE - (AN816-4D)	4	
-18	491 055	W	UNION - (AN815-4)	2	
-19	491 063	W	UNION - Bulkhead (AN832-4)	2	
	407 568	W	WASHER - (AN960-716)	4	
	477 629	W	NUT - (AN924-4)	2	
-20	476 643	W	UNION - (AN911-1D)	2	
-21	460 685	W	FITTING - (200 x 4)	2	
-22	488 474	A.W	TEE - (AN917-1D)	2	
-23	407 568	W	WASHER - (AN960-716)	4	
	477 618	W	NUT - (AN924-4D)	2	
-24	492 241		VALVE - (PS50036-2-2)	2	
-25	86684-02		SENDER - Oil pressure gauge	2	
-26	587 956		SWITCH - Oil pressure (M4009-15), left	1	
	588 206		SWITCH - Oil pressure (M4013-15), right	1	
-27	37343-70		TUBE ASSEMBLY - Manifold pressure, right	1	
-28	37343-71		TUBE ASSEMBLY - Manifold pressure, left	1	
-29	37343-72		TUBE ASSEMBLY - Manifold pressure, left	1	
-30	86835-02		SENDER - Fuel pressure gauge	2	
-31	453 680		REDUCER - (AN912-1C)	2	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

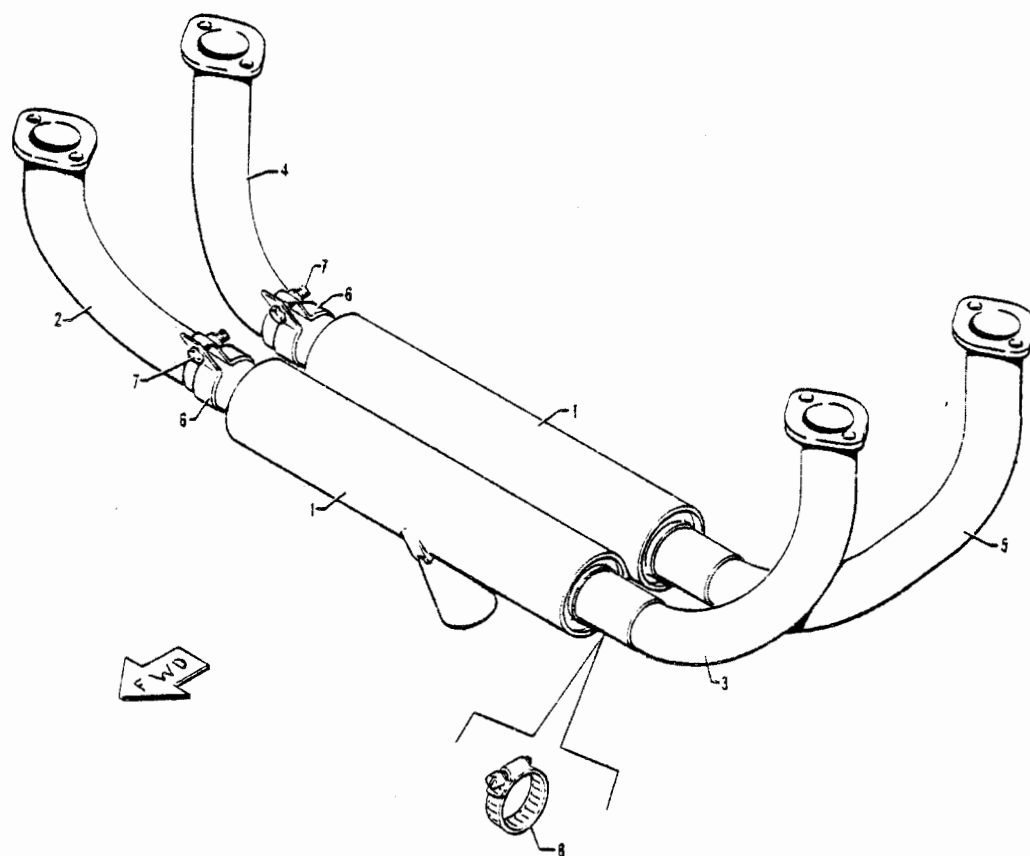


Figure 43. Engine Exhaust System Installation

REVISED: MARCH 1980

PA-44-180

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 43

A - Used on Serial Nos. 44-7995001 to 44-8095013 incl. if Service Letter 860 has been complied with.
W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
43-	86202		DRAWING - Exhaust System Installation		
-1	86299-07		MUFFLER ASSEMBLY	4	
-2	86202-04		STACK ASSEMBLY - Left engine inboard, right engine outboard	2	
-3	86202-05		STACK ASSEMBLY - Left engine outboard, right engine inboard	2	
-4	86202-06		STACK ASSEMBLY - Left engine inboard, right engine outboard	2	
-5	86202-07		STACK ASSEMBLY - Left engine outboard, right engine inboard	2	
-6	63243-02		CLAMP - Muffler	4	
-7	400 103	W	BOLT - (AN4-6)	4	
	407 565	W	WASHER - (AN960-416)	8	
	404 101	W	NUT - (AN310-4)	4	
	424 051	W	COTTERPIN - (MS24665-132)	4	
-8	36745-02	A	CLAMP ASSEMBLY - Muffler	4	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

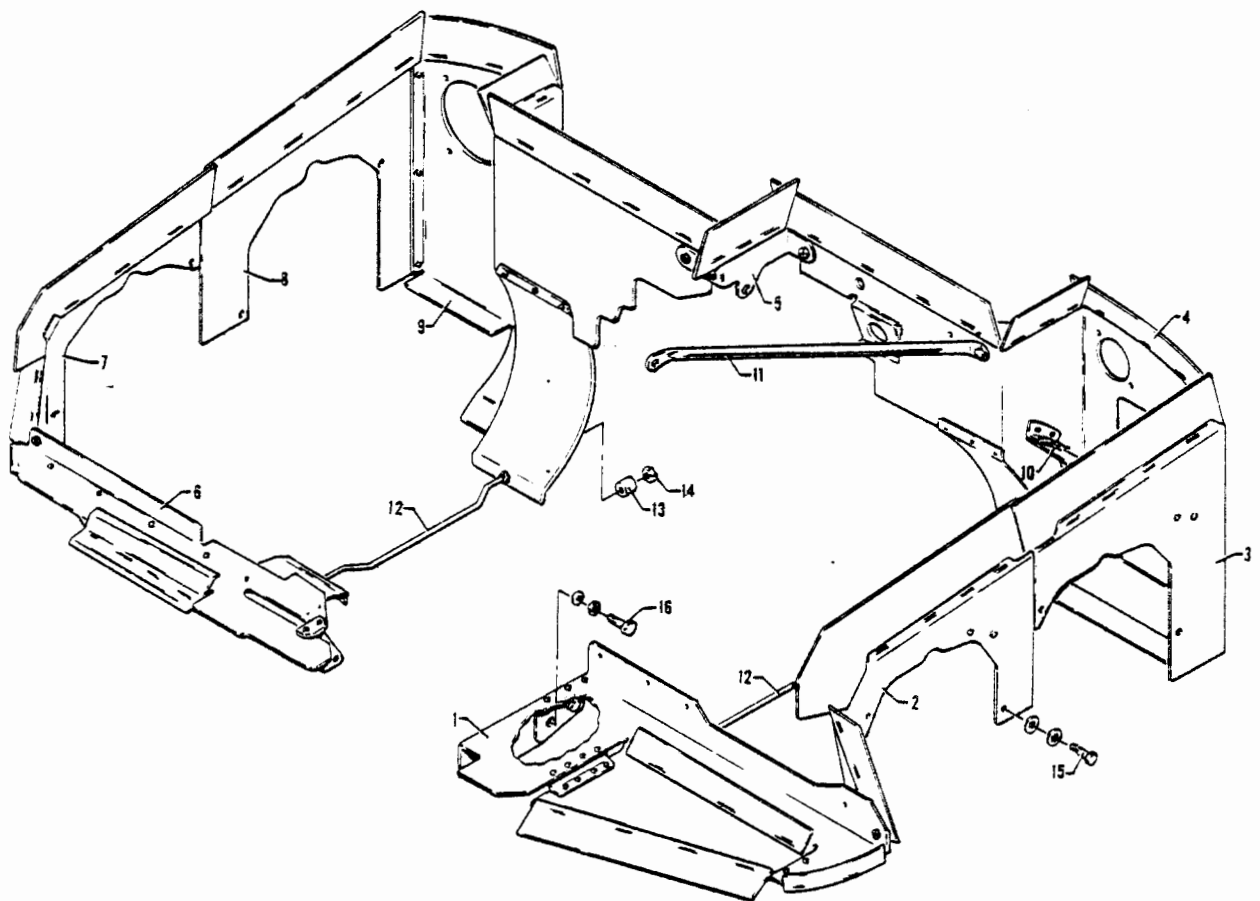


Figure 44. Engine Baffle Installation

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 44

A - Used if air conditioning is installed.

B - Used if air conditioning is not installed.

W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
44-	86203		DRAWING - Engine Baffle Installation		
-1	86203-03	A	BAFFLE ASSEMBLY - Left forward, left engine	1	44-8195001 and up
	86873-09		BAFFLE ASSEMBLY - Left forward, left engine	1	
	86203-03		BAFFLE ASSEMBLY - Left forward, right engine	1	
-2	86203-04		BAFFLE ASSEMBLY - Left side forward, left and right engines	2	
-3	86203-05		BAFFLE ASSEMBLY - Left side rear, left and right engines	2	
-4	86203-06		BAFFLE ASSEMBLY - Left rear, left and right engines	2	
-5	86203-07		BAFFLE ASSEMBLY - Center rear, left and right engines	2	
-6	86203-08		BAFFLE ASSEMBLY - Right front, left and right engines	2	
-7	86203-69		BAFFLE ASSEMBLY - Right side front, left and right engines	2	
-8	86203-10		BAFFLE ASSEMBLY - Right side rear, left and right engines	2	
-9	86203-11		BAFFLE ASSEMBLY - Right rear, left and right engines	2	
-10	86203-58		BAFFLE ASSEMBLY - Top rear, left engine	1	
-11	86203-41		BRACE - Engine baffle	2	
-12	87392-02		TIE ROD - Engine baffle	4	
-13	63900-14		BUSHING - Tie rod	4	
-14	404 909	W	NUT - (MS20365-632C)	12	
-15	418 420	W	SCREW - Cap (1/4 x 20 NC3 x 1/2" L)	20	
	407 136	W	WASHER - (AN936-A416)	20	
	407 565	W	WASHER - (AN960-416)	20	
-16	418 400	8	SCREW - Cap (5/16 x 18 NC3 x 1/2" L)	2	
	407 137	8,W	WASHER - (AN936-A516)	2	
	407 566	8,W	WASHER - (AN960-516)	2	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

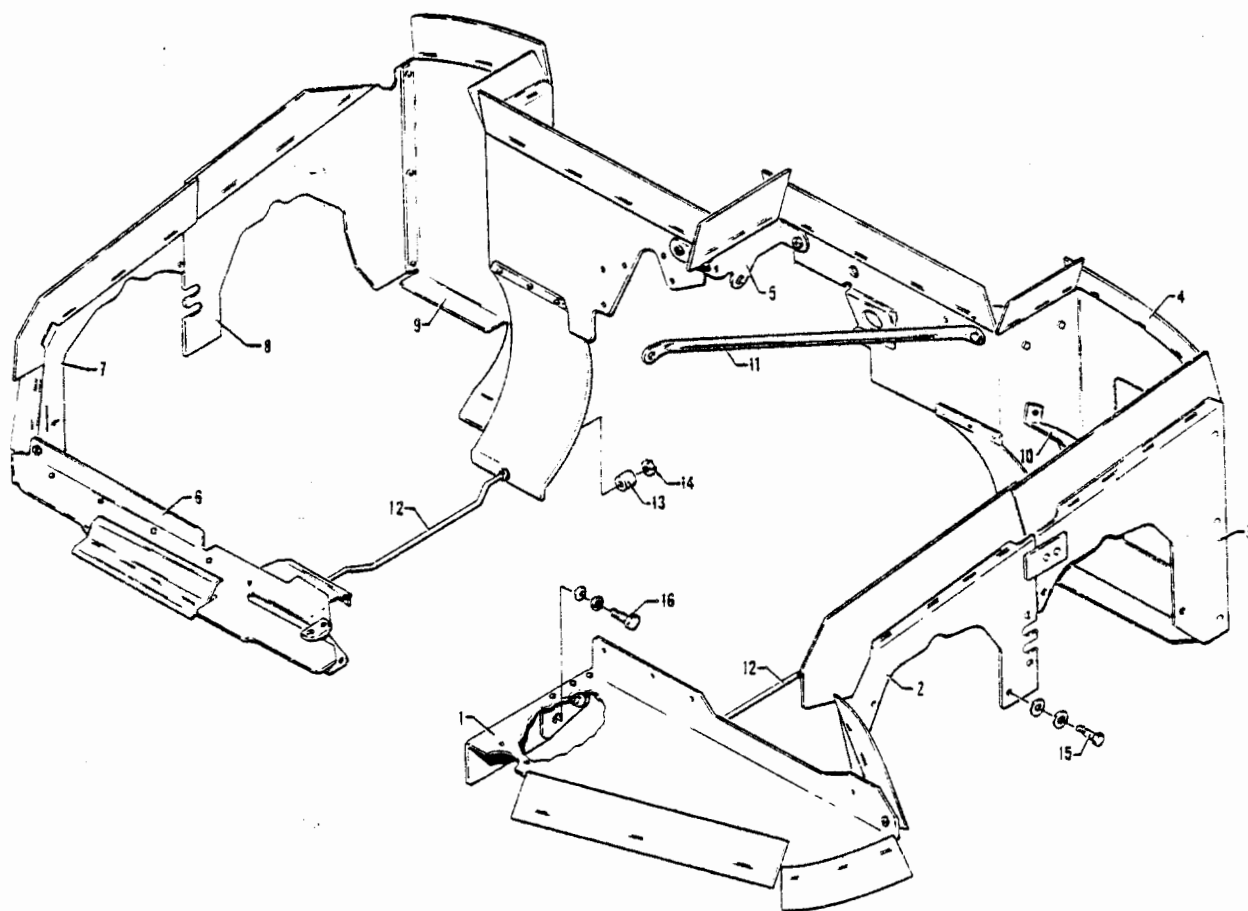


Figure 44A. Engine Baffle installation

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 44A

A - Used if air conditioning is installed.

B - Used if air conditioning is not installed.

W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
44A-	86810		DRAWING - Engine Baffle Installation		
-1	86873-02	A	BAFFLE ASSEMBLY - Left forward, left engine	1	44-8107027 and up
	86873-09		BAFFLE ASSEMBLY - Left forward, left engine	1	
	86873-02		BAFFLE ASSEMBLY - Left forward, right engine	1	
-2	86871-02		BAFFLE ASSEMBLY - Left side forward, left and right engines	2	44-8107001 to 44-8107062 incl.
-3	86868-02		BAFFLE ASSEMBLY - Left side rear, left and right engines	2	
	86937-02		BAFFLE ASSEMBLY - Left side rear, left and right engines	2	
-4	86803-02		BAFFLE ASSEMBLY - Left rear, left and right engines	2	44-8107063 and up
-5	86203-07		BAFFLE ASSEMBLY - Center rear, left and right engines	2	
-6	86847-02		BAFFLE ASSEMBLY - Right front, left engine	1	
	86203-08		BAFFLE ASSEMBLY - Right front, right engine	1	44-8107001 to 44-8107062 incl.
-7	86203-09		BAFFLE ASSEMBLY - Right side front, left and right engines	1	
	86940-02		BAFFLE ASSEMBLY - Right side front, left and right engines	1	
-8	86939-02	W	BAFFLE ASSEMBLY - Right side rear, left and right engines	2	44-8107063 and up
-9	86827-18		BAFFLE ASSEMBLY - Right rear, left and right engines	2	
-10	86827-06		BAFFLE ASSEMBLY - Top rear, left engine	1	
-11	86203-41		BRACE - Engine baffle	2	44-8107063 and up
-12	87392-02		TIE ROD - Engine baffle	4	
-13	83900-14		BUSHING - Tie rod	4	
-14	404 909		NUT - (MS20365-632C)	12	44-8107063 and up
-15	418 420		SCREW - Cap (1/4 x 20 NC3 x 1/2" L)	16	
	407 136		WASHER - (AN936-A416)	16	
	407 365		WASHER - (AN960-416)	16	44-8107063 and up
-16	418 400	B	SCREW - Cap (5/16 x 18 NC3 x 1/2" L)	2	
	407 137	B,W	WASHER - (AN936-A516)	2	
	407 566	B,W	WASHER - (AN960-516)	2	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

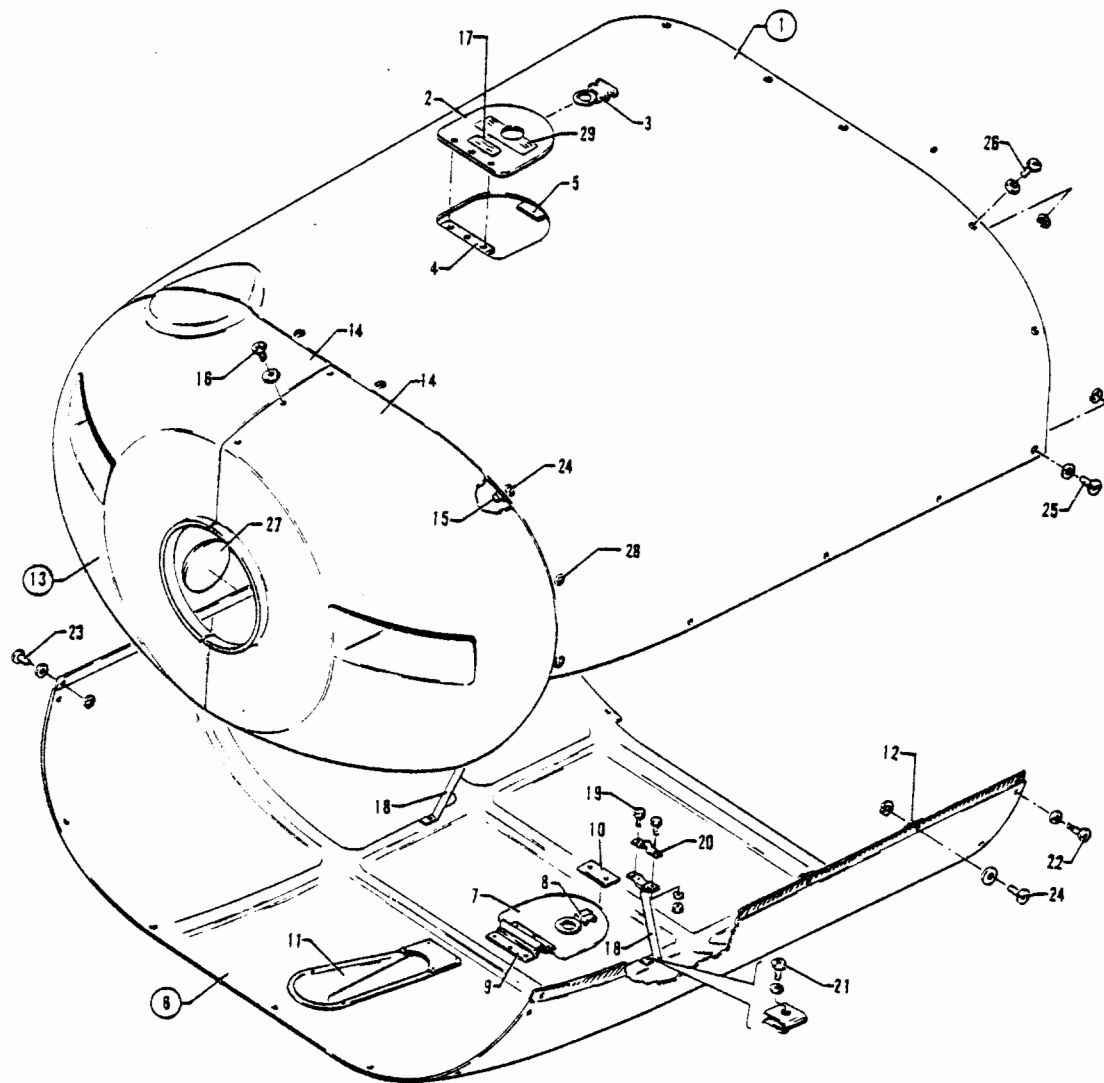


Figure 45. Engine Cowl Assembly

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 45

A - Used if air conditioning is installed.

W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
45-	86207		DRAWING - Engine Cowl Assembly and Installation		
-1	86207-04		COWL ASSEMBLY - Engine top	2	
-2	35793-04		* DOOR ASSEMBLY - Oil filler	1	
-3	472 017	W	* * LATCH - (KM610-32)	1	
-4	35794-07		* HINGE ASSEMBLY - Oil filler door	1	
-5	99094-04		* PLATE ASSEMBLY - Reinforcement	AR	
-6	86207-03		COWL ASSEMBLY - Bottom	2	
-7	35793-04		* DOOR ASSEMBLY - Oil drain	1	
-8	472 017	W	* * LATCH - (KM610-32)	1	
-9	35794-07		* HINGE ASSEMBLY - Oil drain door	1	
-10	99094-04		* PLATE ASSEMBLY - Reinforcement	2	
-11	86584-04		* FAIRING - Exhaust outlet	1	
-12	484 293		* RECEPTACLE - (214-16D)	6	
-13	86207-05		COWL ASSEMBLY - Nose, left	1	
	86207-50	A	COWL ASSEMBLY - Nose, left	1	44-8195001 and up
	86207-05		COWL ASSEMBLY - Nose, right	1	
-14	86207-06		* SHELL ASSEMBLY - Nose, left	1	
	86207-48	A	* SHELL ASSEMBLY - Nose, left (left cowl)	1	44-8195001 and up
	86207-07		* SHELL ASSEMBLY - Nose, right	1	
	86207-49	A	* SHELL ASSEMBLY - Nose, right (left cowl)	1	44-8195001 and up
-15	584 019		* * RECEPTACLE - (214-16)	4	
-16	410 018		* SCREW - (MS24694-S50)	6	
	494 037	W	* WASHER - (PS10092-1-3C)	6	
-17	35669-191		PLACARD - Oil change	2	
-18	86587-02		SUPPORT ASSEMBLY - Engine cowl, outboard left, inboard right	2	
	86587-03		SUPPORT ASSEMBLY - Engine cowl, inboard left, outboard right	2	
-19	400 440	W	BOLT - (AN3-6A)	8	
	407 564	W	WASHER - (AN960-10)	8	
	404 887	W	NUT - (MS20365-1032C)	8	
-20	554 918		CLAMP - Tube (MS27405-T6)	2	
-21	415 322	W	SCREW - (MS27039-1-12)	4	
	407 682	W	WASHER - (AN960-C10L)	4	
	477 671	W	NUT - (PS10062-5-7)	4	
-22	410 018		SCREW - (MS24694-S50)	32	
	494 037	W	WASHER - (PS10092-1-3C)	32	
-23	463 416	W	GROMMET - (4002-N)	4	
	484 755	W	SNAP RING - (R4G)	4	
	487 685		STUD - (4002-8)	4	
-24	463 416	W	GROMMET - (4002-N)	20	
	484 755	W	SNAP RING - (R4G)	20	
	487 733	W	STUD - (4002-5)	20	
-25	463 416	W	GROMMET - (4002-N)	4	
	484 755	W	SNAP RING - (R4G)	4	
	487 684		STUD - (4002-7)	4	
-26	463 416	W	GROMMET - (4002-N)	12	
	484 755	W	SNAP RING - (R4G)	12	
	587 674		STUD - (4002-4)	12	
-27	474 641		MIRROR - Left nacelle, inboard (G300)	1	
-28	463 416	W	GROMMET - (4002-N)	4	
	484 755	W	SNAP RING - (R4G)	4	
	487 689	W	STUD - (4002-6)	4	
-29	87340-02		PLACARD - Oil specs	2	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

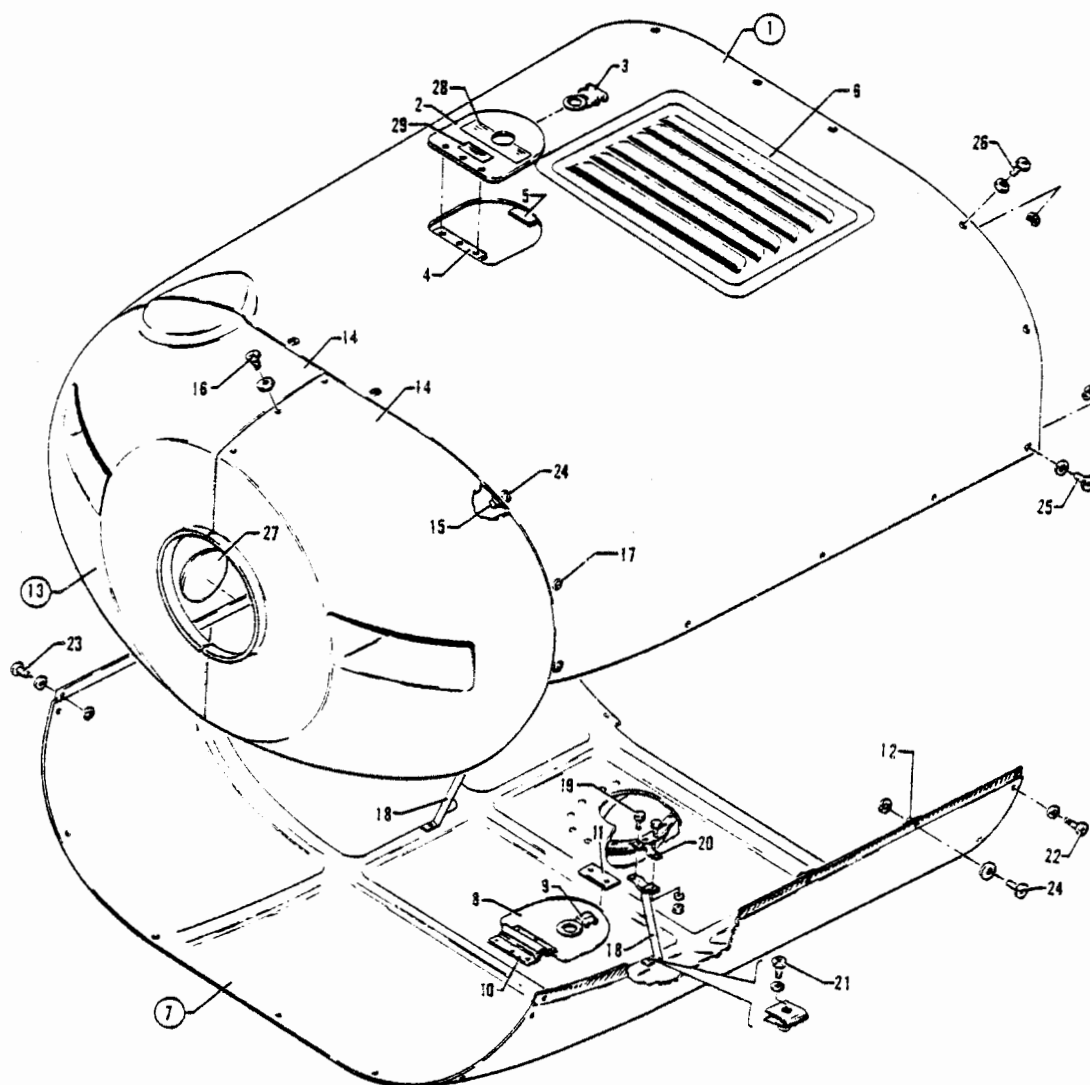


Figure 45A. Engine Cowl Assembly

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 45A

A - Used if air conditioning is installed.

W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
45A-	86806		DRAWING - Engine Cowl Assembly and Installation		
-1	86806-04		COWL ASSEMBLY - Engine top	2	
-2	35793-04		* DOOR ASSEMBLY - Oil filler	1	
-3	472 017	W	* * LATCH - (KM610-32)	1	
-4	35794-07		* HINGE ASSEMBLY - Oil filler door	1	
-5	99094-04		* PLATE ASSEMBLY - Reinforcement	AR	
-6	86820-02		* LOUVER - Upper cowl	1	
-7	86806-03		COWL ASSEMBLY - Bottom	2	
-8	35793-04		* DOOR ASSEMBLY - Oil drain	1	
-9	472 017	W	* * LATCH - (KM610-32)	1	
-10	35794-07		* HINGE ASSEMBLY - Oil drain door	1	
-11	99094-04		* PLATE ASSEMBLY - Reinforcement	1	
-12	484 293		* RECEPTACLE - (214-16D)	6	
-13	86207-05		COWL ASSEMBLY - Nose, left	1	
	86207-50	A	COWL ASSEMBLY - Nose, left	1	44-8107027 and up
	86207-05		COWL ASSEMBLY - Nose, right	1	
-14	86207-06		* SHELL ASSEMBLY - Nose, left	1	
	86207-48	A	* SHELL ASSEMBLY - Nose, left (left cowl)	1	44-8107027 and up
	86207-07		* SHELL ASSEMBLY - Nose, right	1	
	86207-49	A	* SHELL ASSEMBLY - Nose, right (left cowl)	1	44-8107027 and up
-15	584 019		* * RECEPTACLE - (214-16)	4	
-16	410 018		* SCREW - (MS24694-S50)	6	
	494 037	W	* WASHER - (PS10092-1-3C)	6	
-17	463 416	W	GROMMET - (4002-N)	4	
	484 755	W	SNAP RING - (R4G)	4	
	487 689	W	STUD - (4002-8)	4	
-18	86587-02		SUPPORT ASSEMBLY - Engine cowl, outboard left, inboard right	2	
	86587-03		SUPPORT ASSEMBLY - Engine cowl, inboard left, outboard right	2	
-19	400 440	W	BOLT - (AN3-6A)	8	
	407 564	W	WASHER - (AN960-10)	8	
	404 887	W	NUT - (MS20365-1032C)	8	
-20	554 918		CLAMP - Tube (MS27405-T6)	2	
-21	415 322	W	SCREW - (MS27039-1-12)	4	
	407 682	W	WASHER - (AN960-C10L)	4	
	407 800	W	WASHER - (AN970-3)	AR	
	477 671	W	NUT - (PS10062-5-7)	4	
-22	410 018		SCREW - (MS24694-S50)	32	
	494 037	W	WASHER - (PS10092-1-3C)	32	
-23	463 416	W	GROMMET - (4002-N)	4	
	484 755	W	SNAP RING - (R4G)	4	
	487 685		STUD - (4002-8)	4	
-24	463 416	W	GROMMET - (4002-N)	20	
	484 755	W	SNAP RING - (R4G)	20	
	487 733	W	STUD - (4002-5)	20	
-25	463 416	W	GROMMET - (4002-N)	4	
	484 755	W	SNAP RING - (R4G)	4	
	487 584		STUD - (4002-7)	4	
-26	463 416	W	GROMMET - (4002-N)	12	
	484 755	W	SNAP RING - (R4G)	12	
	487 733	W	STUD - (4002-5)	12	
-27	474 641		MIRROR - Left nacelle, inboard (G300)	1	
-28	87340-02		PLACARD - Oil specs	2	
-29	35669-191		PLACARD - Oil change	2	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

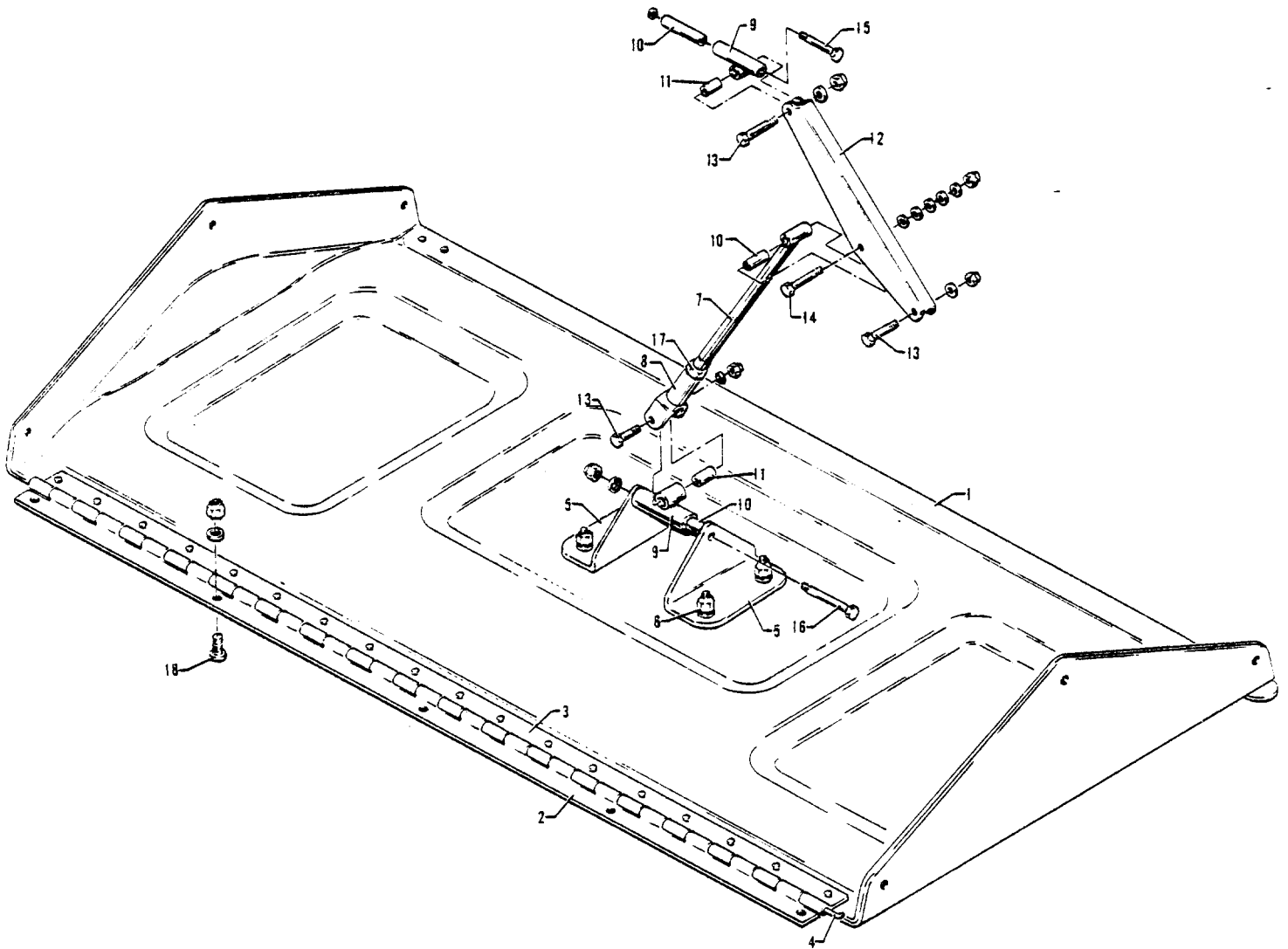


Figure 46. Cowi Flap Installation

REVISED: MARCH 1980

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 46

A - Used on PA-44-180 only.

B - Used on PA-44-180T only.

W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
46-	86390		DRAWING - Cowl Flap Installation		
-1	86389-02	A	FLAP ASSEMBLY - Cowl	2	
	86389-11	B	FLAP ASSEMBLY - Cowl	2	
-2	86389-07		* HINGE - Half, forward	1	
-3	86389-08		* HINGE - Half, aft	1	
-4	86389-09		* PIN - Hinge	1	
-5	86389-05		* ANGLE	2	
-6	411 532		* SCREW - (MS35207-263)	4	
	407 564	W	* WASHER - (AN960-10)	4	
	404 887	W	* NUT - (MS20365-1032C)	4	
-7	37511-42		ROD ASSEMBLY - Cowl flap actuation	2	
-8	37511-08		CLEVIS ASSEMBLY - Cowl flap actuation	2	
-9	37511-15		TRUNNION ASSEMBLY - Cowl flap actuation	4	
-10	37511-18		SPACER	4	
-11	37511-26		SPACER	6	
-12	37511-35		CHANNEL - Cowl flap actuation	2	
-13	401 269	W	BOLT - (AN3-10A)	6	
	407 564	W	WASHER - (AN960-10)	6	
	404 887	W	NUT - (MS20365-1032C)	6	
-14	401 269	W	BOLT - (AN3-10A)	2	
	407 584	W	WASHER - (AN960-10L)	4	
	407 564	W	WASHER - (AN960-10)	6	
	404 887	W	NUT - (MS20365-1032C)	2	
-15	400 453	W	BOLT - (AN3-21A)	2	
	407 564	W	WASHER - (AN960-10)	2	
-16	400 453	W	BOLT - (AN3-21A)	2	
	407 564	W	WASHER - (AN960-10)	2	
	404 887	W	NUT - (MS20365-1032C)	2	
-17	407 105	W	WASHER - (AN935-416)	2	
	404 225	W	NUT - (AN315-4R)	2	
-18	411 532		SCREW - (MS35207-263)	10	
	407 564	W	WASHER - (AN960-10)	10	
	404 887	W	NUT - (MS20365-1032C)	10	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

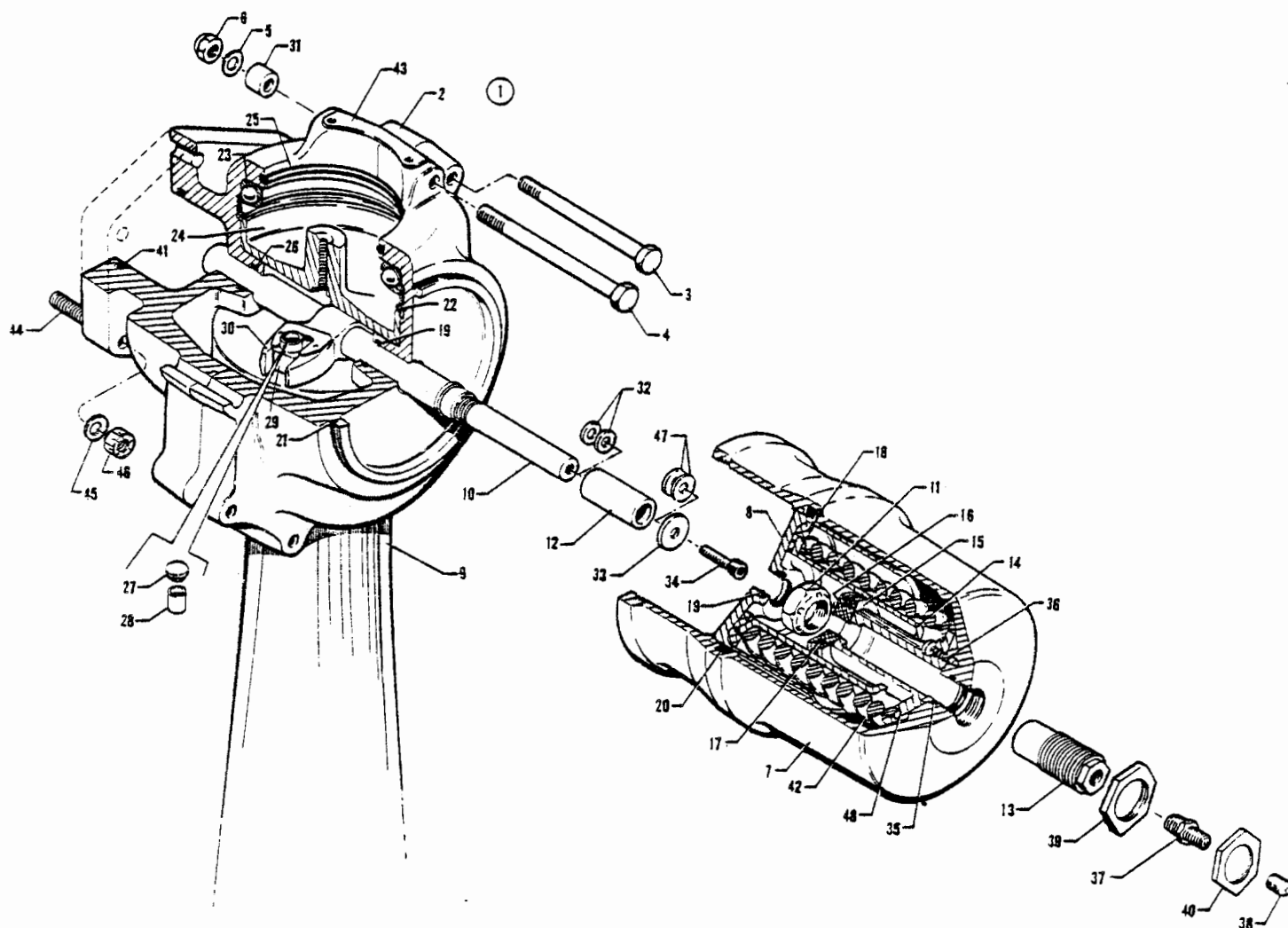


Figure 47. Two Blade Propeller Assembly (Hartzell)

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 47

A - Parts included in Propeller Repair Kit, Part No. 761 100.

B - Used on PA-44-180 only.

C - Used on PA-44-180T only.

W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
47-1	550 979	B	PROPELLER ASSEMBLY - Hartzell, two blade (HC-C2Y(K,R)-2CEUF/FC7666A-2R) left	1	
	550 980	B	PROPELLER ASSEMBLY - Hartzell, two blade (HC-C2Y(K,R)-2CLEUF/FJC7666A-2R) right	1	
	550 996	C	PROPELLER ASSEMBLY - Hartzell, two blade (HC-C2Y(K,R)-2CEUF/FC7666A-2R), left	1	
	550 997	C	PROPELLER ASSEMBLY - Hartzell, two blade (HC-C2Y(K,R)-2CLEUF/FJC7666A-2R), right	1	
-2	755 220		* HUB ASSEMBLY - Propeller (D-2201-16)	1	
-3	753 461	W	* BOLT - Hex head (A-2431)	6	
-4	753 462	W	* BOLT - Hex head (A-2433)	4	
-5	407 587	A,W	* WASHER - (AN960-616L)	10	
-6	752 511	A,W	* NUT - Elastic (A-2043)	10	
-7	753 982	W	* CYLINDER - (B-2423-1)	1	
-8	757 321	W	* PISTON - (B-3237)	1	
-9	758 429		* BLADE - Propeller, left (FC7666A-2R)	2	
	758 430		* BLADE - Propeller, right (FJC7666A-2R)	2	
-10	756 048		* ROD - Piston (B-2491-3)	1	
-11	752 537	W	* NUT - Flexlock (AN364-1018)	1	
-12	756 289	W	* SLEEVE - High pitch stop (A-2499-10)	1	
-13	756 293	W	* STOP - Low pitch (A-2404-1)	1	
-14	762 259	W	* SPRING - Retainer (B-1592)	1	
-15	756 674	W	* WEIGHT - High pitch stop (A-1590)	1	
-16	762 258	A,W	* SCREW - Shoulder (A-1595)	4	
-17	762 257	A,W	* SPRING - High pitch stop (A-1596)	1	
-18	755 043	W	* GUIDE - Spring (A-1591)	1	
-19	762 713	A,W	* "O" RING - (PRP-902-15)	2	
-20	755 977	A,W	* "O" RING - Cylinder (A-3223)	1	
-21	755 935	A,W	* "O" RING - Cylinder (PRP-909-25)	1	
-22	755 968	W	* RING - Bearing guide (A-2204)	2	
-23	753 463	W	* BEARING - Blade, split (A-2202)	2	
-24	757 249	W	* PRELOAD PLATE UNIT - (B-2256)	2	
-25	755 934	A,W	* "O" RING - Blade (PRP-902-42)	2	
-26	755 932	A,W	* "O" RING - Rod (PRP-902-13)	1	
-27	758 282		* BUTTON - Propeller (A-3212-1)	1	
-28	758 280		* BUSHING - Propeller (A-2413-2)	1	
-29	758 204	W	* BLOCK - Pitch change (A-2217-3)	2	
-30	754 826	W	* FORK UNIT - Pitch change (B-2457-3)	1	
-31	756 284	W	* SPACER - (A-2246-4)	4	
-32	756 603	W	* WASHER - High pitch adjustment (A-2435)	AR	
	756 604	W	* WASHER - High pitch adjustment (A-2435-1)	AR	
-33	756 606	W	* WASHER - Feathering stop (A-2411-1)	1	
-34	756 291	W	* SCREW - Socket head cap (A-3205)	1	
-35	755 933	A,W	* "O" RING - (PRP-914-17)	1	
-36	756 286	W	* SCREW - Filister head (AN501A416-10)	4	
-37	756 564		* AIR VALVE - Schrader (645A)	1	
-38	763 254		* CAP - Air valve, schrader (2525)	1	
-39	752 566		* NUT - Check (A-2405-3)	1	
	762 228		* SPACER - (A-169-7)	AR	
-40	752 567		* NUT - Check (A-2405-2)	1	
-41	755 800	A,W	* "O" RING - Rod (PRP-909-6)	1	
-42	762 260	W	* SPRING - (B-1594)	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
47-43	756 607	W	* WEIGHT - Balance (A-2424)	AR	
-44	757 583	W	* STUD - (A-2067)	6	
-45	407 569	W	* WASHER - (AN960-816)	6	
-46	752 530	W	* NUT - Castle (A-2069)	6	
-47	407 676	W	* WASHER - Feather adjustment (AN960-C516)	AR	
	407 677		* WASHER - Feather adjustment (AN960-C516L)	AR	
-48	758 356	W	* BRACKET - High stop (B-1593)	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

This technical drawing is an exploded view of a mechanical assembly, likely a pump or engine component. It shows the main housing (1) with various internal and external parts. Key components include a central shaft (22) with a pin (23) and a nut (24). A large gear or impeller (12) is shown with its mounting (11) and various fasteners (13, 14, 15, 16, 17, 18, 19, 20, 21). A separate assembly (3) with a pin (5) and a nut (4) is shown. A large nut (9) and a washer (7) are shown at the bottom right. The diagram includes numerous other parts and fasteners, all labeled with numbers for identification.

REVISÉ: MARCH 1980

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 47A

- A - Parts included in Propeller Repair Kit, Part No. 760 246.
- B - Used with Hartzell Propeller HC-C3YR-2EUF/FC7663-5R.
- C - Used with Hartzell Propeller HC-C3YR-2LEUF/FJC7663-5R.
- D - Used on PA-44-180 only.
- E - Used on PA-44-180T only.
- W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
47A-1	550 989	D	PROPELLER ASSEMBLY - Hartzell, three blade (HC-C3YR-2EUF/FC7663-5R), left	1	
	550 990	D	PROPELLER ASSEMBLY - Hartzell, three blade (HC-C3YR-2LEUF/FJC7663-5R), right	1	
	550 998	E	PROPELLER ASSEMBLY - Hartzell, three blade (HC-C3YR-2EUF/FC7663-5R), left	1	
	550 999	E	PROPELLER ASSEMBLY - Hartzell, three blade (HC-C3YR-2LEUF/FJC7663-5R), right	1	
-2	755 309		* HUB ASSEMBLY - Propeller (D-3251-2)	1	
-3	753 461	W	* BOLT - Hex head (A-2431)	9	
-4	758 473	B	* BLADE - Propeller (FC7663-5R)	3	
	758 474	C	* BLADE - Propeller (FJC7663-5R)	3	
-5	753 462	W	* BOLT - Hex head (A-2433)	6	
-6	756 284	W	* SPACER - (A-2246-4)	6	
-7	752 566		* NUT - Check (A-2405-3)	1	
-8	752 567		* NUT - Check (A-2405-2)	1	
-9	756 293	W	* STOP - Low pitch (A-2404-1)	1	
-10	756 564		* AIR VALVE - Schrader (645A)	1	
-11	755 933	A.W	* "O" RING - Stop seal (PRP-914-17)	1	
-12	756 286	W	* SCREW - Filister head (AN501A416-10)	4	
-13	753 982	W	* CYLINDER UNIT - (B-2423-1)	1	
-14	755 977	A.W	* "O" RING - Cylinder (A-3223)	1	
-15	755 043	W	* GUIDE - Spring (A-1591)	1	
-16	762 258	W	* SCREW - Shoulder (A-1595)	4	
-17	762 257	W	* SPRING - High pitch stop (A-1596)	1	
-18	756 674	W	* WEIGHT - High pitch stop (A-1590)	1	
-19	752 531	W	* NUT - Flexlock, piston (AN364-1018)	1	
-20	757 321	W	* PISTON UNIT - (B-3237)	1	
-21	755 935	A.W	* "O" RING - Cylinder mounting (PRP-909-25)	1	
-22	752 713	A.W	* "O" RING - Seal (PRP-902-15)	2	
-23	756 291	W	* SCREW - Socket head cap (A-3205)	1	
-24	756 606	W	* WASHER - Feathering stop (A-2411-1)	1	
-25	407 676	W	* WASHER - (AN960C-516)	AR	
	407 677		* WASHER - (AN960C-516L)	AR	
-26	756 603	W	* WASHER - High pitch adjustment (A-2435)	AR	
	756 604	W	* WASHER - High pitch adjustment (A-2435-1)	AR	
-27	756 289	W	* SLEEVE - High stop (A-2499-10)	1	
-28	756 048		* ROD UNIT - Piston (B-2491-3)	1	
-29	754 808	B.W	* FORK - Pitch change (B-3252)	1	
	754 813	C.W	* FORK - Pitch change (B-3252L)	1	
-30	758 205	W	* BLOCK - Pitch change (A-3253-2)	3	
-31	763 467		* PLATE UNIT - Preload (B-2222)	3	
-32	755 932	A.W	* "O" RING - Piston (PRP-902-13)	1	
-33	407 569	W	* WASHER - Hub (AN960-816)	6	
-34	407 567	A.W	* WASHER - Hub (AN960-816)	15	
-35	752 511	A.W	* NUT - Elastic (A-2043)	15	
-36	757 583	W	* STUD - Flange (A-2067)	6	
-37	755 800	A.W	* "O" RING - Shaft (PRP-909-6)	1	
-38	752 530	W	* NUT - Castle (A-2069)	6	
-39	756 607	W	* WEIGHT - Balance (A-2424)	AR	
-40	755 968	W	* RING - Bearing guide (A-2204)	3	
-41	753 463	W	* BEARING - Split (A-2202)	2	
-42	755 934	A.W	* "O" RING - Blade (PRP-902-42)	3	
-43	762 259	W	* SPRING - Retainer (B-1592)	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
47A-44	762 260	W	* SPRING - (B-1594)	1	
-45	758 356	W	* BRACKET - High stop (B-1593)	1	
-46	763 727		* WASHER - (B-1597)	1	
-47	763 254		* CAP - Air valve, Schrader (2525)	1	
-48	762 228		* SPACER - (A-169-7)	AR	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

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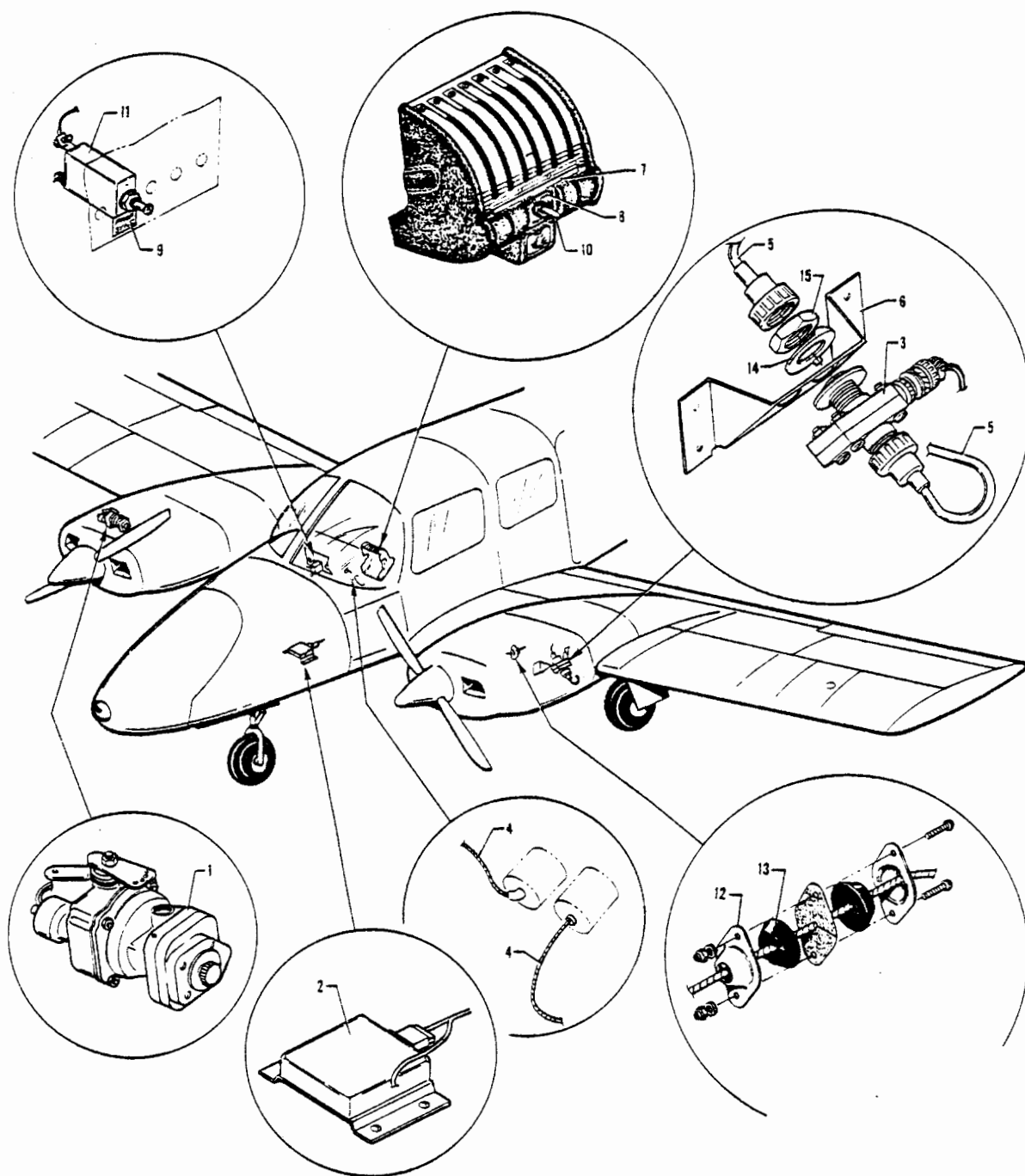


Figure 47B. Propeller Synchrophaser System Installation

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 47B

A - Used on PA-44-180 only.

B - Used on PA-44-180T only.

W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
47B-	36889	A	DRAWING - Propeller Synchrophaser installation		
	86818	B	DRAWING - Propeller Synchrophaser installation		
-1	463 202	A	GOVERNOR ASSEMBLY - Propeller, right (E-8-2L), Hartzell	1	
	37845-09	B	GOVERNOR ASSEMBLY - Propeller, right (E-8-5L), Hartzell	1	
-2	556 503		COMPUTER ASSEMBLY - (C4362-2)	1	
-3	462 121		PULSE GENERATOR ASSEMBLY - (A4478)	2	
-4	486 534		SHAFT - Tachometer (PS50044-23)	2	
-5	454 304		SHAFT - Tachometer (PS50044-27)	2	
-6	36888-02		BRACKET ASSEMBLY - Pulse generator	2	
-7	35669-111		PLACARD - Takeoff and landing operation	1	
-8	35669-112		PLACARD - Propeller synchrophaser (Manual - Auto)	1	
-9	35669-113		PLACARD - Circuit protector, propeller synchrophaser	1	
-10	587 923		SWITCH - Synchrophaser mode (PS10095-1)	1	
-11	454 714		CIRCUIT PROTECTOR - (PS50120-2-1) 5 amp	1	
-12	18321-00	A	PLATE	4	
-13	63915-09		GROMMET	4	
-14	36890-07		WASHER - Tab	2	
-15	477 859		NUT - (A22006)	2	
	407 595	W	WASHER - (AN960-1416L)	2	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

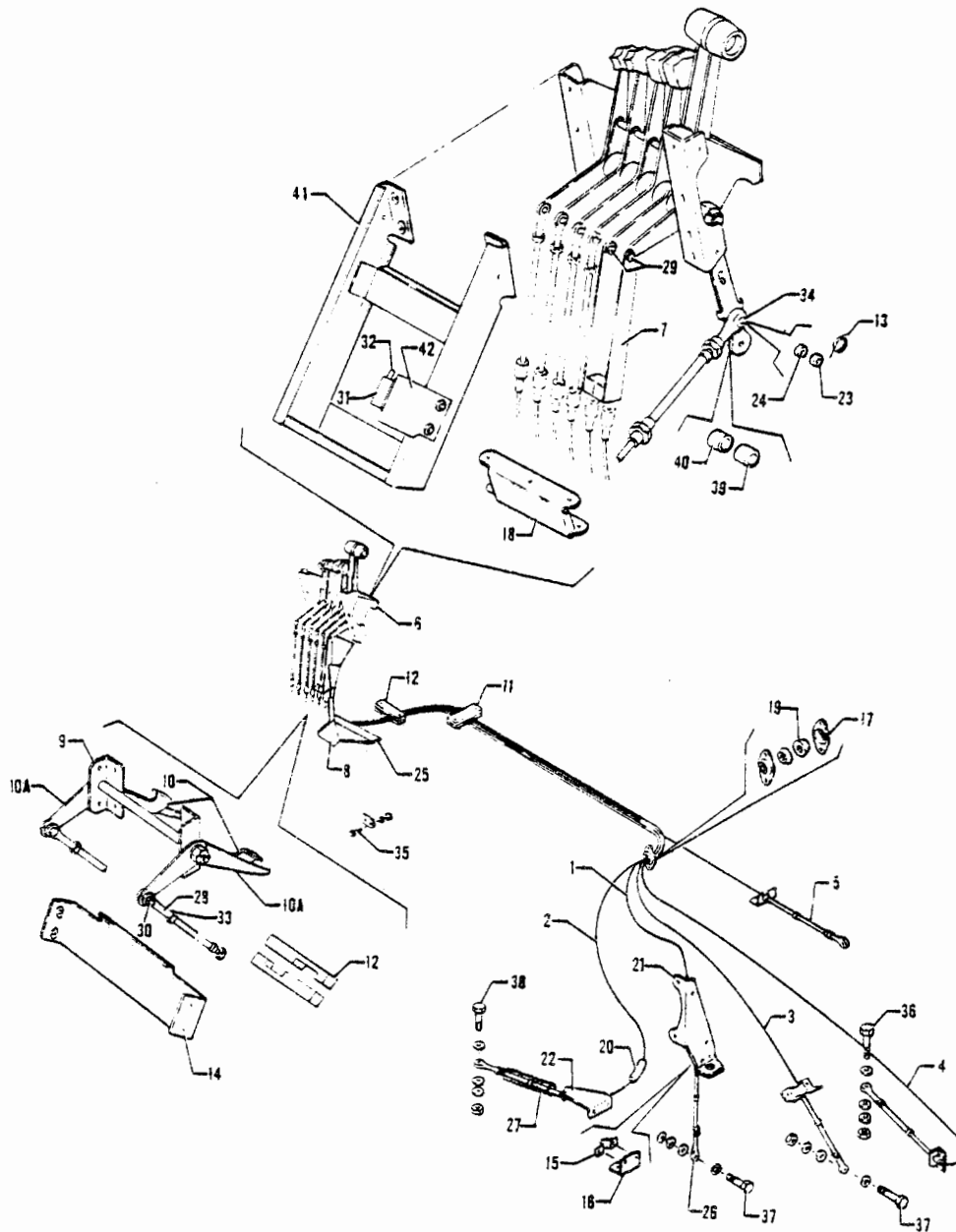


Figure 48. Engine Controls Installation

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 48

- A - See Figure 49 for component parts.
- B - See Figure 69A if air conditioning is installed.
- W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
48-	86204		DRAWING - Engine Controls Installation		
-1	555 321 554 546		CABLE ASSEMBLY - Throttle control (PS50146-12-4)	2	44-7995001 and 44-7995002
	554 528		CABLE ASSEMBLY - Throttle control, left (PS50146-12-3)	1	44-7995003 and up
			CABLE ASSEMBLY - Throttle control, right (PS50146-12-1)	1	44-7995003 and up
-2	554 293 554 201		CABLE ASSEMBLY - Propeller control (PS50146-13-26)	2	44-7995001 and 44-7995002
			CABLE ASSEMBLY - Propeller control, left (PS50146-13-25)	1	44-7995003 and up
	554 298		CABLE ASSEMBLY - Propeller control, right (PS50146-12-2)	1	44-7995003 and up
-3	554 295		CABLE ASSEMBLY - Mixture control, left (PS50146-13-24)	1	44-7995001 and 44-7995002
	554 544		CABLE ASSEMBLY - Mixture control, left (PS50146-13-22)	1	44-7995003 and up
	554 293		CABLE ASSEMBLY - Mixture control, right (PS50146-13-26)	1	44-7995001 and 44-7995002
	554 298		CABLE ASSEMBLY - Mixture control, right (PS50146-12-2)	1	44-7995003 and up
-4	554 201		CABLE ASSEMBLY - Alternate air control (PS50146-13-25)	2	44-7995001 and 44-7995002
	554 294		CABLE ASSEMBLY - Alternate air control, left (PS50146-13-23)	1	44-7995003 and up
	554 545		CABLE ASSEMBLY - Alternate air control, right (PS50146-13-2)	1	44-7995003 and up
-5	554 489		CABLE ASSEMBLY - Cowl flap (PS50146-13-15)	2	
-6	95136-04	A	QUADRANT ASSEMBLY - Control	1	
-7	96163-00		ACTUATOR ASSEMBLY - Gear warning horn, left	1	
	96163-01		ACTUATOR ASSEMBLY - Gear warning horn, right	1	
-8	37587-00		CONSOLE ASSEMBLY - Control	1	
-9	96080-00		* PIVOT ASSEMBLY - Cowl flap lever	1	
-10	96453-00		* * LEVER - Cowl flap, left	1	
	96453-01		* * LEVER - Cowl flap, right	1	
-10a	96061-00		* * LEVER - Cowl flap, left	1	
	96061-01		* * LEVER - Cowl flap, right	1	
-11	96281-02		CLAMP - Cable	2	
-12	96281-03		CLAMP - Cable	4	
-13	96717-00		SPRING - Alternate air	2	
-14	96283-00		BRACKET ASSEMBLY - Cable clamp	1	
-15	18219-00	W	CLAMP - Control cable attachment	10	
-16	18132-00	W	LUG - Control cable support bracket	10	
-17	18321-00		PLATE - Firewall seal	4	
-18	37586-00		BRACKET ASSEMBLY - Engine controls	1	
-19	63915-08		SEAL - Firewall	4	
-20	63913-121		HOSE - Propeller control cable	2	44-7995001 and 44-7995002
	63904-09		HOSE - Propeller control cable, lower	2	44-7995003 and up
	63904-12		HOSE - Propeller control cable, upper	2	44-7995003 and up
-21	86574-03		SUPPORT - Throttle control	2	
-22	86575-02		SUPPORT - Prop governor control cable	2	
-23	95061-82		BUSHING	4	
-24	95061-83		BUSHING	4	
-25	96086-00		BRACKET ASSEMBLY - Console	1	
-26	452 606	W	BEARING - Rod end (PS10020-16-2)	12	
-27	553 182		BOOT - Throttle cable (AD1204-1)	2	
-28	488 327	W	TERMINAL - Clevis (AN665-21R)	8	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
48-29	424 176	W	PIN - (MS20392-2C15)	2	
	407 564	W	WASHER - (AN960-10)	2	
	407 584	W	WASHER - (AN960-10L)	2	
	494 231		WASHER - Spring (U190-0090)	4	
	424 051	W	COTTER PIN - (MS24665-132)	2	
-30	424 174	W	PIN - (MS20392-2C11)	6	
	407 584	W	WASHER - (AN960-10L)	6	
	424 051	W	COTTER PIN - (MS24665-132)	6	
-31	487 925	W	SWITCH - Gear warning horn (V3-1)	1	
-32	451 834		ACTUATOR - Gear warning horn (JV-7)	1	
-33	407 043	W	WASHER - (MS35338-43)	20	
	404 224	W	NUT - (AN315-3R)	20	
-34	400 869	W	BOLT - (AN23-17A)	2	
	62833-101		WASHER - (.56 O. D.)	2	
	407 564	W	WASHER - (AN960-10)	4	
	407 584	W	WASHER - (AN960-10L)	2	
	404 887	W	NUT - (MS20365-1032C)	2	
-35	401 307	W	BOLT - (AN4-4A)	4	
	407 565	W	WASHER - (AN960-416)	4	
	404 888	W	NUT - (MS20365-428C)	4	
-36	401 269	W	BOLT - (AN3-10A)	2	
	62833-101		WASHER - (.56 O. D.)	2	
	407 564	W	WASHER - (AN960-10)	8	
	404 887	W	NUT - (MS20365-1032C)	2	
-37	401 269	W	BOLT - (AN3-10A)	4	
	62833-101		WASHER - (.56 O. D.)	4	
	407 564	W	WASHER - (AN960-10)	8	
	407 584	W	WASHER - (AN960-10L)	4	
	404 887	W	NUT - (MS20365-1032C)	4	
-38	400 441	W	BOLT - (AN3-7A)	2	
	62833-101		WASHER - (.56 O. D.)	2	
	407 564	W	WASHER - (AN960-10)	4	
	404 887	W	NUT - (MS20365-1032C)	2	
-39	96718-02		KNOB - Carburetor heat control, outboard	2	
-40	96718-03		KNOB - Carburetor heat control, inboard	2	
-41	37584-00		MOUNT ASSEMBLY - Engine controls	1	
-42	96161-00	B	* BRACKET - Gear warning horn	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

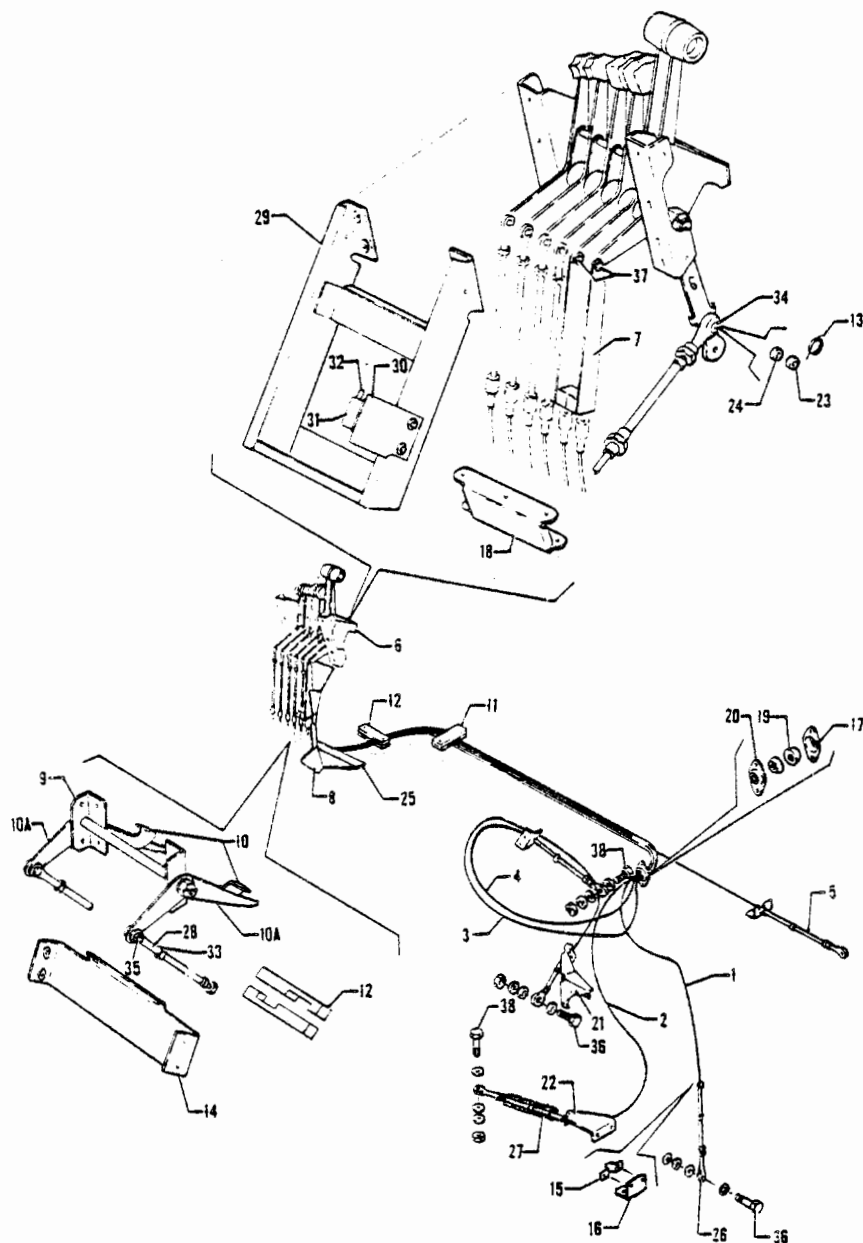


Figure 48A. Engine Controls Installation

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 48A

A - See Figure 49 for component parts.

W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
48A-	86804		DRAWING - Engine Controls Installation		
-1	653 035		CABLE ASSEMBLY - Throttle control, left (PS50146-12-7)	1	
	554 546		CABLE ASSEMBLY - Throttle control, right (PS50146-12-3)	1	
-2	653 033		CABLE ASSEMBLY - Propeller control, left (PS50146-12-5)	1	
	653 034		CABLE ASSEMBLY - Propeller control, right (PS50146-12-6)	1	
-3	653 038		CABLE ASSEMBLY - Mixture control (PS50146-12-8)	2	
-4	653 037		CABLE ASSEMBLY - Carburetor heat, left (PS50146-13-27)	1	
	653 038		CABLE ASSEMBLY - Carburetor heat, right (PS50146-13-28)	1	
-5	554 489		CABLE ASSEMBLY - Cowl flap (PS50146-13-15)	2	
-6	95136-05	A	QUADRANT ASSEMBLY - Control	1	
-7	96163-00		ACTUATOR ASSEMBLY - Gear warning horn, left	1	
	96163-01		ACTUATOR ASSEMBLY - Gear warning horn, right	1	
-8	37587-00		CONSOLE ASSEMBLY - Control	1	
-9	96080-00		* PIVOT ASSEMBLY - Cowl flap lever	1	
-10	96453-00		* * LEVER - Cowl flap, left	1	
	96453-01		* * LEVER - Cowl flap, right	1	
-10a	96061-00		* * LEVER - Cowl flap, left	1	
	96061-01		* * LEVER - Cowl flap, right	1	
-11	96281-02		CLAMP - Cable	2	
-12	96281-03		CLAMP - Cable	4	
-13	96717-00		SPRING - Alternate air	2	
-14	96283-00		BRACKET ASSEMBLY - Cable clamp	1	
-15	18219-00	W	CLAMP - Control cable attachment	10	
-16	18132-00	W	LUG - Control cable support bracket	10	
-17	68771-17		GASKET - Firewall seal (with four center cutouts)	2	
	68771-18		GASKET - Firewall seal (with one center cutout)	2	
-18	37586-00		BRACKET ASSEMBLY - Engine controls	1	
-19	68770-20		GROMMET - Firewall sealing (with four center cutouts)	4	
	68770-21		GROMMET - Firewall sealing (with one center cutout)	4	
-20	66789-00		PLATE - Firewall	4	
-21	86824-02		BRACKET - Mixture control	2	
-22	86815-02		SUPPORT - Prop governor control cable	2	
-23	95061-82		BUSHING	4	
-24	95061-83		BUSHING	4	
-25	96086-00		BRACKET ASSEMBLY - Console	1	
-26	452 606	W	BEARING - Rod end (PS10020-16-2)	12	
-27	553 182		BOOT - Throttle cable (AD1204-1)	2	
-28	488 327	W	TERMINAL - Clevis (AN665-21R)	8	
-29	37584-00		MOUNT ASSEMBLY - Engine controls	1	
-30	96161-00		* BRACKET - Gear warning horn	1	
-31	487 925	W	SWITCH - Gear warning horn (V3-1)	1	
-32	451 834		ACTUATOR - Gear warning horn (JV-7)	1	
-33	407 043	W	WASHER - (MS35338-43)	18	
	404 224	W	NUT - (AN315-3R)	18	
-34	400 869	W	BOLT - (AN23-17A)	2	
	62833-101		WASHER - (.56 O. D.)	2	
	407 564	W	WASHER - (AN960-10)	2	
	407 584	W	WASHER - (AN960-10L)	2	
	404 887	W	NUT - (MS20365-1032C)	2	
-35	424 174	W	PIN - (MS20392-2C11)	6	
	407 584	W	WASHER - (AN960-10L)	6	
	424 051	W	COTTER PIN - (MS24665-132)	6	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
48A-36	401 269	W	BOLT - (AN3-10A)	4	
	62833-101		WASHER - (.56 O. D.)	4	
	407 564	W	WASHER - (AN960-10)	8	
	407 584	W	WASHER - (AN960-10L)	4	
	404 887	W	NUT - (MS20365-1032C)	4	
	-37	424 176	PIN - (MS20392-2C15)	2	
		407 564	WASHER - (AN960-10)	2	
		407 584	WASHER - (AN960-10L)	2	
		494 231	WASHER - Spring (U190-0090)	4	
		424 051	COTTER PIN - (MS24665-132)	2	
	-38	400 441	BOLT - (AN3-7A)	4	
		62833-101	WASHER - (.56 O. D.)	4	
		407 564	WASHER - (AN960-10)	8	
		407 584	WASHER - (AN960-10L)	4	
		404 887	NUT - (MS20365-1032C)	4	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

--- PIPER PARTS CATALOG ---

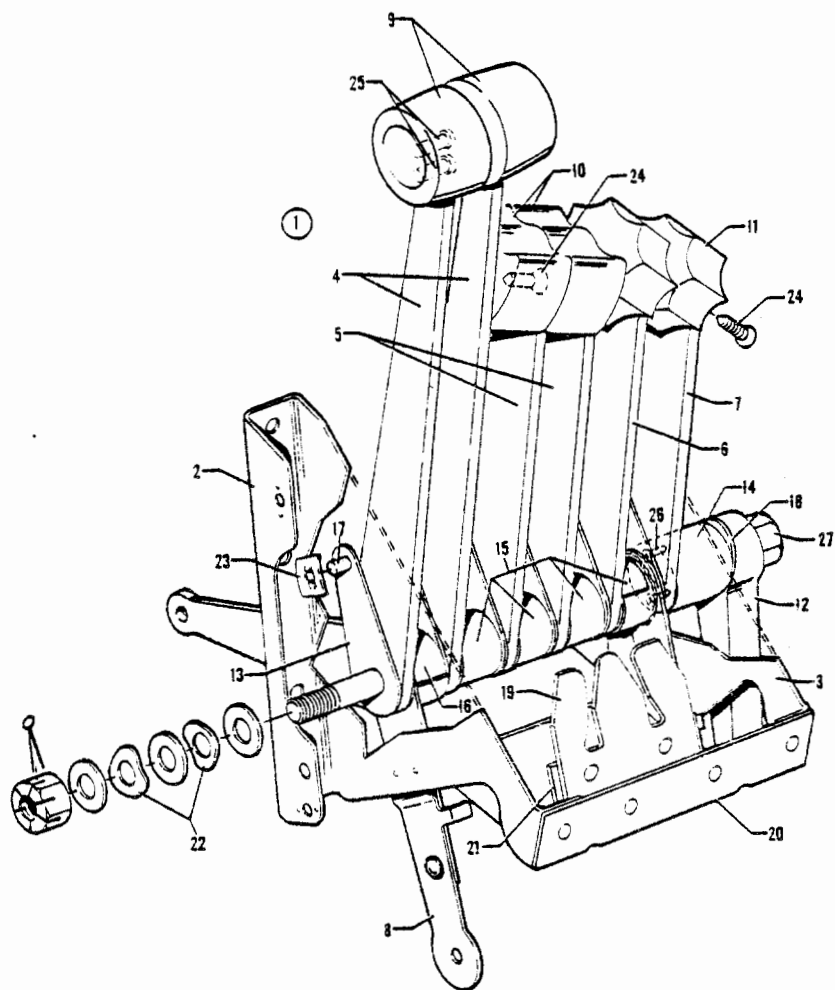


Figure 49. Quadrant Assembly

REVISED: MARCH 1980

1J12

PA-44-180
PA-44-180T

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 49

- A - Used on PA-44-180 only.
- B - Used on PA-44-180T only.
- C - Used if a 2.72" L quadrant adjusting handle (P/N 66773-00) is installed.
- D - Used if a 2.94" L quadrant adjusting handle (P/N 63039-04) is installed.
- W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
49-1	95136-04	A	QUADRANT ASSEMBLY - Control	1	
	95136-05	B	QUADRANT ASSEMBLY - Control	1	
-2	96720-00	A	* BRACKET ASSEMBLY - Quadrant, left	1	
	96720-04	B	* BRACKET ASSEMBLY - Quadrant, left	1	
-3	96721-00	A	* BRACKET ASSEMBLY - Quadrant, right	1	
	96721-04	B	* BRACKET ASSEMBLY - Quadrant, right	1	
-4	86235-02		* LEVER - Throttle control	2	
-5	95139-02		* LEVER ASSEMBLY - Propeller control	2	
-6	37478-00		* LEVER - Mixture control, left	1	
-7	37479-00		* LEVER - Mixture control, right	1	
-8	37576-00		* LEVER ASSEMBLY - Alternate air, left	1	
	37576-01		* LEVER ASSEMBLY - Alternate air, right	1	
-9	95137-02		* KNOB - Throttle control	2	
-10	24047-00	W	* KNOB - Propeller control	2	
-11	24048-00	W	* KNOB - Mixture control	2	
-12	66773-00		* HANDLE - Quadrant adjusting (2.72" L.)	1	
	63039-04		* HANDLE - Quadrant adjusting (2.94" L.)	1	
-13	67218-00		* PLATE - Friction	12	
-14	66774-00		* CAM - Quadrant adjusting	1	
-15	68699-12		* SPACER - Quadrant control	4	
-16	68699-13		* SPACER - Quadrant control	1	
-17	95148-02		* ROD - Quadrant control	1	
-18	62833-46		* WASHER - Friction	1	
-19	78713-00		* PLATE ASSEMBLY - Propeller feather stop	1	
-20	96895-00		* CHANNEL ASSEMBLY - Propeller feather stop support	1	
-21	96894-00		* ANGLE ASSEMBLY - Propeller feather stop support, upper	1	
-22	408 815	W	* WASHER - (3502-18-04)	2	
-23	406 345	W	* NUT - (A109-014-1)	2	
-24	414 515	W	* SCREW - (MS24693-S48)	4	
-25	415 495	W	* SCREW - (MS35206-230)	4	
-26	414 490		* SCREW - (MS24693-S2)	2	
-27	400 194	C	* BOLT - (AN5-54)	1	
	400 192	D	* BOLT - (AN5-52)	1	
	407 586	W	* WASHER - (AN960-516L)	4	
	404 394	W	* NUT - (AN320-5)	1	
	424 052	W	* COTTER PIN - (MS24665-134)	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

--- PIPER PARTS CATALOG ---

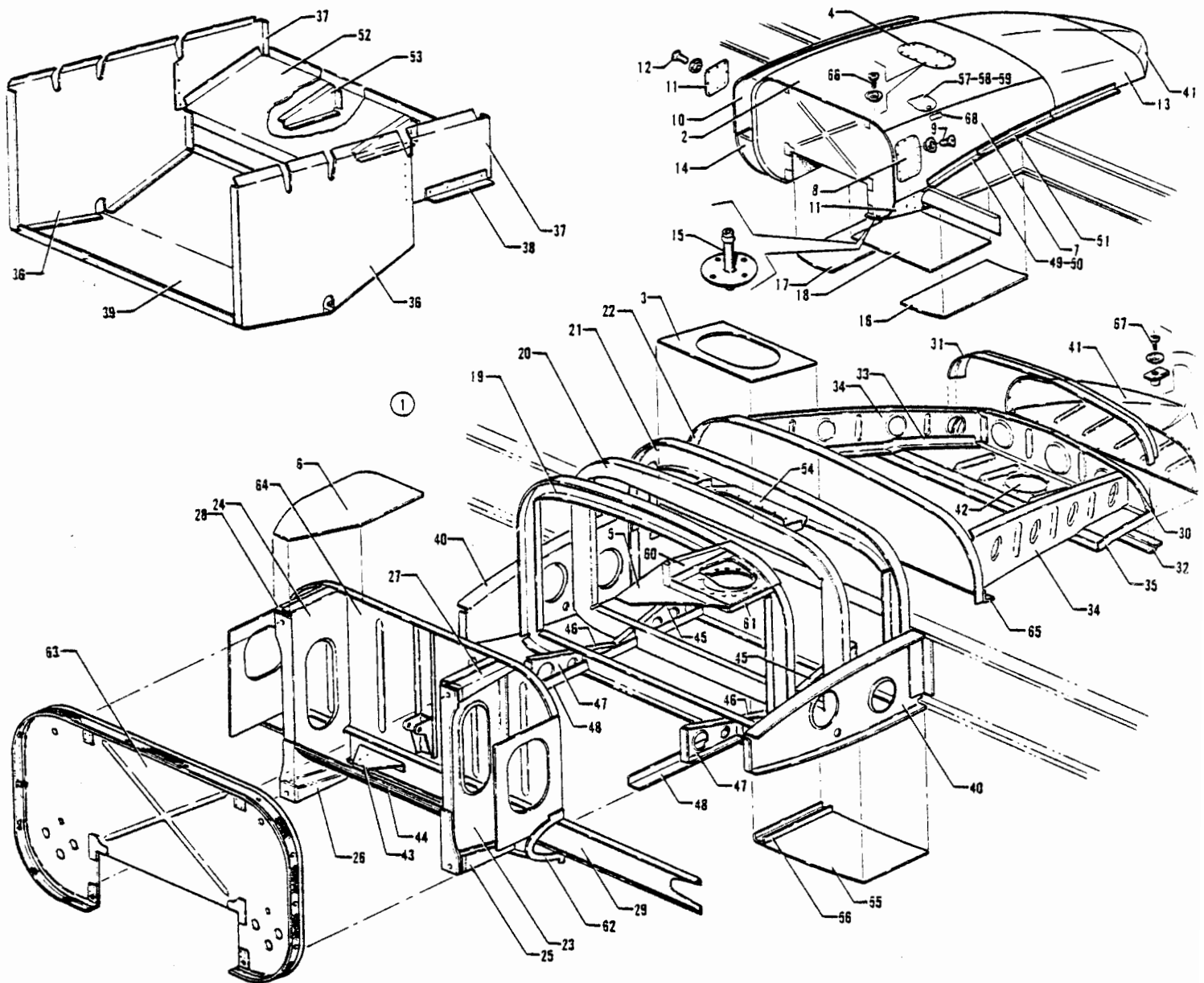


Figure 50. Nacelle Installation

REVISED: MARCH 1980

1J15

PA-44-180
PA-44-180T

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 50

- A - Used on PA-44-180 only.
- B - Used on PA-44-180T only.
- C - Used on PA-44-180 with serial numbers 44-7995300 and up, and PA-44-180T.
- D - Used on PA-44-180 with serial numbers 44-8095013 and up, and PA-44-180T.
- W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
50-	86380 86504		DRAWING - Wing and Nacelle Assembly DRAWING - Wing Installation		
-1	86180-02 86180-62 86180-03 86180-53	A B A B	NACELLE ASSEMBLY - Left NACELLE ASSEMBLY - Left NACELLE ASSEMBLY - Right NACELLE ASSEMBLY - Right	1 1 1 1	
-2	86180-10 86180-11		* SKIN - Nacelle, top left * SKIN - Nacelle, top right	1 1	
-3	86180-20		* DOUBLER - Access plate	1	
-4	86180-21		* ACCESS PLATE - Nacelle, top	1	
-5	86180-22 86180-23		* DOUBLER - Access door, outboard, left * DOUBLER - Access door, outboard, right	1 1	
-6	86180-24 86180-25		* DOUBLER - Nacelle, top, inboard, right * DOUBLER - Nacelle, top, inboard, left	1 1	
-7	86180-06 86180-07		* SKIN ASSEMBLY - Side, outboard, left nacelle * SKIN ASSEMBLY - Side, outboard, right nacelle	1 1	
-8	86180-28		* * ACCESS PLATE - Nacelle, outboard	1	
-9	410 240 494 101	W	* * SCREW - (MS24694-S5) * * WASHER - (PS10092-1-2C)	12 12	
-10	86180-35 86180-36		* SKIN ASSEMBLY - Side, inboard, left nacelle * SKIN ASSEMBLY - Side, inboard, right nacelle	1 1	
-11	86180-49		* * ACCESS PLATE - Nacelle, inboard	1	
-12	410 240 494 101	W	* * SCREW - (MS24694-S5) * * WASHER - (PS10092-1-2C)	8 8	
-13	86180-12		* SKIN - Top, aft	1	
-14	86180-41 86180-42 86180-43 86180-44		* SKIN ASSEMBLY - Lower forward, outboard, left nacelle * SKIN ASSEMBLY - Lower forward, outboard, right nacelle * SKIN - Lower forward, inboard, left nacelle * SKIN - Lower forward, inboard, right nacelle	1 1 1 1	
-15	86242-05		* * PLATE ASSEMBLY - Fuel drain	1	
-16	86180-17 86180-18		* SKIN - Lower aft, outboard left * SKIN - Lower aft, outboard right	1 1	
-17	86180-39 86180-40		* SKIN - Lower aft, inboard left * SKIN - Lower aft, inboard right	1 1	
-18	86180-19		* SKIN - Bottom	1	
-19	86175-02		* FRAME ASSEMBLY - Nacelle, Sta. 90	1	
-20	86176-02		* FRAME ASSEMBLY - Nacelle, Sta. 96	1	
-21	86177-02		* FRAME ASSEMBLY - Nacelle, Sta. 105.10	1	
-22	86178-02		* FRAME ASSEMBLY - Nacelle, Sta. 115.10	1	
-23	86179-02		* WEB - Nacelle, outboard left, inboard right	1	
-24	86179-03		* WEB - Nacelle, inboard left, outboard right	1	
-25	86197-02		* FITTING ASSEMBLY - Engine mount, lower, outboard left, inboard right	1	
-26	86197-03		* FITTING ASSEMBLY - Engine mount, lower, inboard left, outboard right	1	
-27	86198-02		* FITTING ASSEMBLY - Engine mount, upper, outboard left, inboard right	1	
-28	86198-03		* FITTING ASSEMBLY - Engine mount, upper, inboard left, outboard right	1	
-29	86199-02 86199-03		* SPAR ASSEMBLY - Nacelle, front, left * SPAR ASSEMBLY - Nacelle, front, right	1 1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
50-30	86295-02		* BULKHEAD - Nacelle, left, Sta. 142.28	1	
	86295-03		* BULKHEAD - Nacelle, right, Sta. 142.28	1	
-31	86295-04		* STRAP - Nacelle, top	1	
-32	86295-05		* STRAP - Nacelle, bottom	1	
-33	86296-02		* ANGLE - Nacelle, outboard left, inboard right	1	
	86296-03		* ANGLE - Nacelle, inboard left, outboard right	1	
-34	86296-04		* WEB - Nacelle, outboard left, inboard right	1	
	86296-05		* WEB - Nacelle, inboard left, outboard right	1	
-35	86297-02		* FLOOR - Nacelle, aft	1	
-36	86324-02		* WEB - Nacelle, outboard left, inboard right	1	
	86324-03		* WEB - Nacelle, inboard left, outboard right	1	
-37	86324-04		* WEB - Nacelle, outboard left, inboard right	1	
	86324-05		* WEB - Nacelle, inboard left, outboard right	1	
-38	86324-06		* ANGLE - Nacelle, outboard left, inboard right	1	
	86324-07		* ANGLE - Nacelle, inboard left, outboard right	1	
-39	86325-02		* FLOOR - Nacelle, fuel cell	1	
-40	86326-02		* RIB - Nacelle, outboard left, inboard right	1	
	86326-03		* RIB - Nacelle, inboard left, outboard right	1	
-41	86298-02		* TIP - Nacelle, aft	1	
-42	86297-03		* ACCESS PLATE - Nacelle, aft	1	
-43	86394-02		* BRACKET ASSEMBLY - Cowl flap, left	1	
	86394-03		* BRACKET ASSEMBLY - Cowl flap, right	1	
-44	86327-02		* SHROUD ASSEMBLY - Nacelle, left	1	
	86327-10		* SHROUD ASSEMBLY - Nacelle, right	1	
-45	86329-02		* WEB - Nacelle, outboard left, inboard right	1	
	86329-03		* WEB - Nacelle, inboard left, outboard right	1	
-46	86329-04		* WEB - Nacelle, outboard left, inboard right	1	
	86329-05		* WEB - Nacelle, inboard left, outboard right	1	
-47	86329-06		* WEB - Nacelle, outboard left, inboard right	1	
	86329-07		* WEB - Nacelle, inboard left, outboard right	1	
-48	86329-08		* ANGLE - Nacelle, outboard left, inboard right	1	
	86329-09		* ANGLE - Nacelle, inboard left, outboard right	1	
-49	86331-02		* ANGLE - Nacelle, outboard, left	1	
	86331-03		* ANGLE - Nacelle, outboard, right	1	
-50	86331-03		* ANGLE - Nacelle, inboard, left	1	
	86331-02		* ANGLE - Nacelle, inboard, right	1	
-51	86331-05		* ANGLE - Nacelle, inboard, left	1	
	86331-04		* ANGLE - Nacelle, inboard, right	1	
-52	86333-02		* FLOOR - Nacelle, fuel	1	
-53	86333-03		* SUPPORT - Floor	2	
-54	86334-05		* DOUBLER - Fuel cell	1	
-55	86335-02		* GUSSET - Nacelle, lower, outboard	1	
-56	86335-03		* CHANNEL - Nacelle, lower	1	
-57	86385-02		* DOOR ASSEMBLY - Fuel inlet	1	
-58	472 017	W	* LATCH - (KM610-32)	1	
-59	65291-03		* HINGE ASSEMBLY	1	
-60	86387-02		* INTERCOSTAL CHANNEL - Nacelle, outboard left, inboard right	1	
	86387-03		* INTERCOSTAL CHANNEL - Nacelle, inboard left, outboard right	1	
-61	86388-02	A	* SCUPPER ASSEMBLY - Nacelle, left	1	44-7995001 to 44-7995299 incl.
	86388-03	A	* SCUPPER ASSEMBLY - Nacelle, right	1	44-7995001 to 44-7995299 incl.
	86797-02	C	* SCUPPER ASSEMBLY - Nacelle, left	1	
	86797-03	C	* SCUPPER ASSEMBLY - Nacelle, right	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
50-62	86180-29		* DOUBLER - Nacelle, outboard left	1	
	86180-30		* DOUBLER - Nacelle, inboard right	1	
-63	86173-02	A	* FIREWALL ASSEMBLY - Left	1	
	86173-03	A	* FIREWALL ASSEMBLY - Right	1	
	86811-02	B	* FIREWALL ASSEMBLY - Left and right	2	
-64	86174-02		* BULKHEAD ASSEMBLY - Nacelle, left, Sta. 82.26	1	
	86174-03		* BULKHEAD ASSEMBLY - Nacelle, right, Sta. 82.26	1	
-65	86178-03		* ANGLE - Nacelle bulkhead, Sta. 115.10	1	
-66	410 240		* SCREW - (MS24694-S5)	10	
	494 101	W	* WASHER - (PS10092-1-2C)	10	
-67	414 763	W	* SCREW - (MS24693-S50)	15	
	494 101	W	* WASHER - (PS10092-1-2C)	15	
	477 674		* NUT - (PS10062-5-4)	15	
-68	35669-95	A	PLACARD - Fuel only	2	44-7995001 to 44-8095012 incl.
	35669-163	D	PLACARD - Fuel	2	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

--- PIPER PARTS CATALOG ---

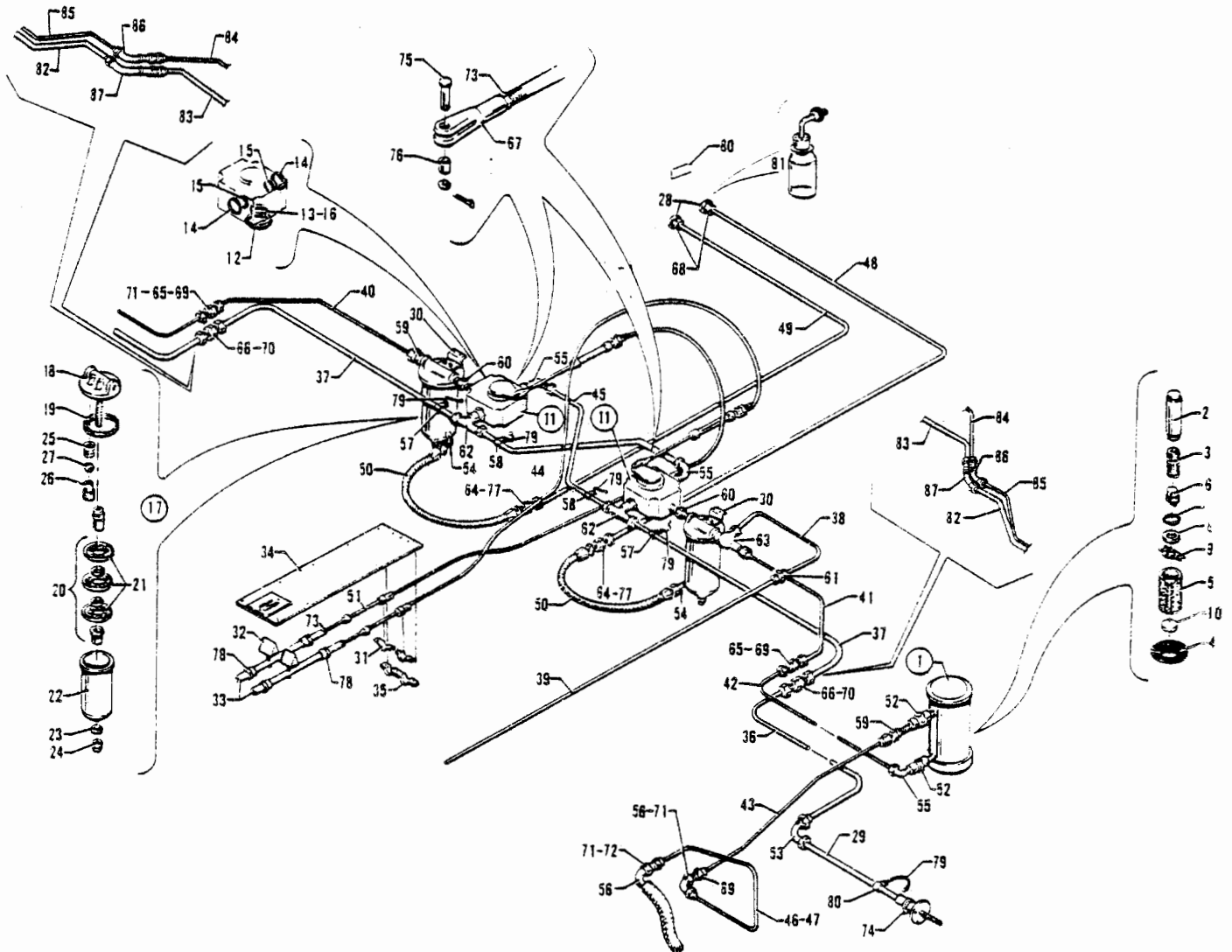


Figure 51. Fuel System Installation

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 51

W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
51-	86206		DRAWING - Fuel System Installation		
-1	481 701		PUMP ASSEMBLY - Electric fuel (480543)	2	
-2	757 218		* PLUNGER - (479309)	1	
-3	756 258		* SPRING - Plunger (476285)	1	
-4	751 872	W	* GASKET - Cover (479136)	1	
-5	751 799	W	* SCREEN - Filter (479135)	1	
-6	756 506		* CUP VALVE - (479243)	1	
-7	756 162	W	* SEAL - "O" Ring (479139)	1	
-8	753 193	W	* WASHER - (479138)	1	
-9	752 889	W	* RETAINER - (479137)	1	
-10	753 650	W	* MAGNET - (479 012)	1	
-11	492 189		VALVE ASSEMBLY - Fuel selector (PS50036-1-1)	2	
-12	755 834	W	* PACKING - (19006)	1	
-13	755 835	W	* PACKING - (19007)	1	
-14	755 836	W	* PACKING - (19008)	2	
-15	755 837	W	* PACKING - (2800C12D)	2	
-16	757 633	W	* SEAL - Fuel selector valve (15709)	1	
-17	560 866		FILTER ASSEMBLY - Fuel (01W031759-1)	2	
-18	755 292		* HEAD AND STUD ASSEMBLY - Fuel filter	1	
-19	751 882	W	* GASKET - Fuel filter head assembly	1	
-20	753 913	W	* CARTRIDGE ASSEMBLY - Fuel filter	1	
-21	751 805	W	* * FILTER - Cartridge assembly	3	
-22	763 265		* CONTAINER - Fuel filter	1	
-23	753 205	W	* GASKET - Container nut	1	
-24	752 502	W	* NUT - Container gasket	1	
-25	756 200	W	* SPRING - Fuel filter valve	1	
-26	756 199	W	* SEAT - Fuel filter valve	1	
-27	753 402	W	* BALL - Steel, fuel filter valve	1	
-28	492 308		VALVE - Drain (710C-4X)	2	
-29	86228-02		STRAINER ASSEMBLY - Fuel tank finger	2	
-30	86227-02		SUPPORT - Fuel filter	2	
-31	86579-02		RETAINER - Control cables	1	
-32	86580-02		KNOB ASSEMBLY - Fuel selector	2	
-33	86581-02		SLIDE - Fuel selector	2	
-34	86582-02		COVER PLATE ASSEMBLY - Fuel selector	1	
-35	86230-02		SUPPORT - Cable	1	
-36	86238-03		TUBE ASSEMBLY - Fuel	2	44-7995001 to 44-8095037 incl.
-37	86238-04		TUBE ASSEMBLY - Fuel	2	44-7995001 to 44-8095037 incl.
-38	86238-05		TUBE ASSEMBLY - Heater fuel	1	
-39	86238-06		TUBE ASSEMBLY - Heater fuel	1	
-40	86238-07		TUBE ASSEMBLY - Fuel, right	1	44-7995001 to 44-8095037 incl.
-41	86238-08		TUBE ASSEMBLY - Fuel, left	1	44-7995001 to 44-8095037 incl.
-42	86238-09		TUBE ASSEMBLY - Fuel	2	44-7995001 to 44-8095037 incl.
-43	86238-10		TUBE ASSEMBLY - Fuel	2	
-44	86238-11		TUBE ASSEMBLY - Fuel	1	
-45	86238-12		TUBE ASSEMBLY - Fuel	1	
-46	86238-16		TUBE ASSEMBLY - Fuel, right	1	
-47	86238-32		TUBE ASSEMBLY - Fuel, left	1	
-48	86238-39		TUBE ASSEMBLY - Fuel filter drain, left	1	
-49	86238-40		TUBE ASSEMBLY - Fuel filter drain, right	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
51-50	63901-94		HOSE - Fuel filter drain	2	
-51	556 201		CABLE ASSEMBLY - Fuel selector (PS50146-14-1)	2	
-52	556 406		COUPLING - (AN910-2)	4	
-53	558 818		ELBOW - (AN821-8)	2	
-54	458 875	W	ELBOW - (AN822-4)	2	
-55	558 792	W	ELBOW - (AN822-6)	4	
-56	458 936	W	ELBOW - (AN833-6)	4	
-57	554 557		CLAMP - (AN735-8)	4	
-58	554 574		CLAMP - (AN735-6)	2	
-59	476 678	W	NIPPLE - (AN816-6)	3	
-60	476 718		NIPPLE - (AN911-2)	2	
-61	484 353	W	REDUCER - (AN919-6D)	1	
-62	86254-02		TEE - Special	2	
-63	488 490		TEE - (AN826-6)	1	
-64	491 063	W	UNION - (AN832-4)	2	
-65	491 066	W	UNION - (AN832-6)	2	
-66	491 068		UNION - (AN832-8)	2	
-67	488 327	W	CLEVIS - (AN665-21R)	2	
-68	407 579		WASHER - (AN960-1216L)	2	
	477 691	W	NUT - (AN924-8)	2	
-69	477 631	W	NUT - (AN924-6)	4	
-70	407 573	W	WASHER - (AN960-1216)	4	
	477 691	W	NUT - (AN924-8)	2	
-71	407 570	W	WASHER - (AN960-916)	12	
-72	477 631	W	NUT - (AN924-6)	2	
-73	404 224	W	NUT - Check (AN315-3R)	4	
-74	554 664		CLAMP - (H8-SS)	2	
-75	424 174	W	PIN - (MS20392-2C11)	2	
	407 584	W	WASHER - (AN960-10L)	2	
	424 052	W	COTTER PIN - (MS24665-134)	2	
-76	82732-72		BUSHING	2	
-77	477 629	W	NUT - (AN924-4)	2	
-78	553 781		BUSHING - Snap (PS10064-2824)	4	
-79	86716-02		BONDING STRAP	6	
-80	35669-54		PLACARD - Fuel drain	1	
-81	86546-02		BOTTLE ASSEMBLY - Fuel sample	1	
-82	86238-75		TUBE ASSEMBLY - Fuel	2	44-8195001 and up
-83	86238-76		TUBE ASSEMBLY - Fuel	2	44-8195001 and up
-84	86238-78		TUBE ASSEMBLY - Fuel, left	1	44-8195001 and up
	86238-79		TUBE ASSEMBLY - Fuel, right	1	44-8195001 and up
-85	86238-136		TUBE ASSEMBLY - Fuel	2	44-8195001 and up
-86	458 864	W	ELBOW - (AN837-6)	2	44-8195001 and up
-87	458 848	W	ELBOW - (AN837-8)	2	44-8195001 and up

When ordering, always specify Part Number, Description and Serial Number of Aircraft

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PIPER PARTS CATALOG

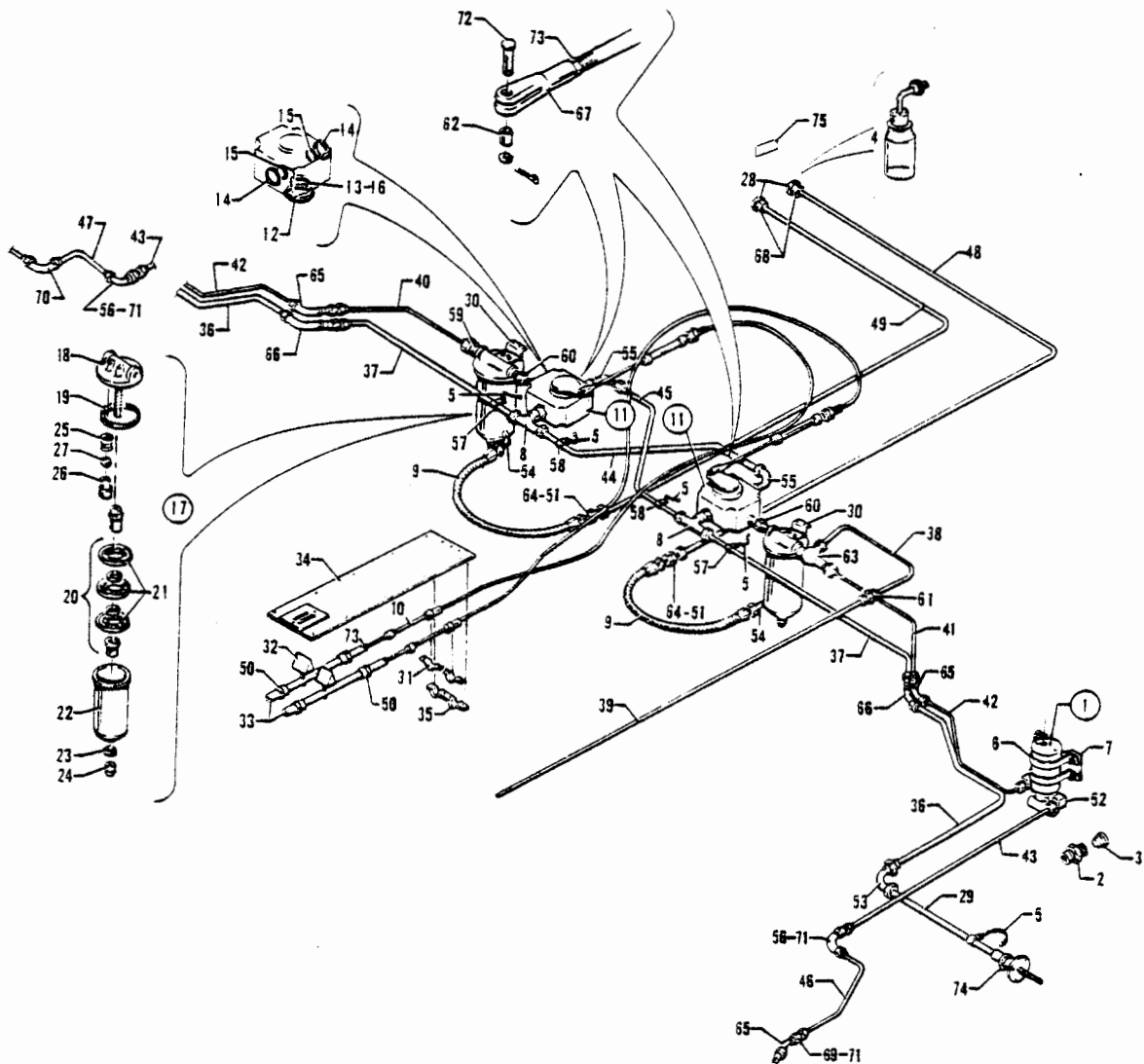


Figure 51A. Fuel System Installation

REVISED: JANUARY 1982

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 51A

W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
51A-	86838		DRAWING - Fuel System Installation		
-1	86867-05		PUMP ASSEMBLY - Fuel, electric, left	1	
	86867-06		PUMP ASSEMBLY - Fuel, electric, right	1	
-2	560 730		* FITTING - Fuel pump (2140-93)	1	
-3	763 502		* PLUG - Fuel pump (2140-72)	1	
-4	86546-02		BOTTLE ASSEMBLY - Fuel sample	1	
-5	86716-02		BONDING STRAP	6	
-6	98489-02		STRAP - Fuel pump	4	
-7	98490-02		BASE - Fuel pump	2	
-8	86254-02		TEE - Special	2	
-9	63901-94		HOSE - Fuel filter drain	2	
-10	556 201		CABLE ASSEMBLY - Fuel selector (PS50146-14-1)	2	
-11	492 189		VALVE ASSEMBLY - Fuel selector (PS50036-1-1)	2	
-12	755 834	W	* PACKING - (19006)	1	
-13	755 835	W	* PACKING - (19007)	1	
-14	755 836	W	* PACKING - (19008)	2	
-15	755 837	W	* PACKING - (2800C12D)	2	
-16	757 633	W	* SEAL - Fuel selector valve (15709)	1	
-17	560 866		FILTER ASSEMBLY - Fuel (01W031759-1)	2	
-18	755 292		* HEAD AND STUD ASSEMBLY - Fuel filter	1	
-19	751 882	W	* GASKET - Fuel filter head assembly	1	
-20	753 913	W	* CARTRIDGE ASSEMBLY - Fuel filter	1	
-21	751 805	W	* * FILTER - Cartridge assembly	3	
-22	763 265		* CONTAINER - Fuel filter	1	
-23	753 205	W	* GASKET - Container nut	1	
-24	752 502	W	* NUT - Container gasket	1	
-25	756 200	W	* SPRING - Fuel filter valve	1	
-26	756 199	W	* SEAT - Fuel filter valve	1	
-27	753 402	W	* BALL - Steel, fuel filter valve	1	
-28	492 302		VALVE - Drain (710C-4)	2	
-29	86228-02		STRAINER ASSEMBLY - Fuel tank finger	2	
-30	86227-02		SUPPORT - Fuel filter	2	
-31	86579-02		RETAINER - Control cables	1	
-32	86580-02		KNOB ASSEMBLY - Fuel selector	2	
-33	86581-02		SLIDE - Fuel selector	2	
-34	86582-02		COVER PLATE ASSEMBLY - Fuel selector	1	
-35	86230-02		SUPPORT - Cable	1	
-36	86238-75		TUBE ASSEMBLY - Fuel	2	
-37	86238-76		TUBE ASSEMBLY - Fuel	2	
-38	86238-05		TUBE ASSEMBLY - Heater fuel *	1	
-39	86238-06		TUBE ASSEMBLY - Heater fuel	1	
-40	86238-79		TUBE ASSEMBLY - Fuel, right	1	
-41	86238-78		TUBE ASSEMBLY - Fuel, left	1	
-42	86238-77		TUBE ASSEMBLY - Fuel	2	
-43	86238-66		TUBE ASSEMBLY - Fuel	2	
-44	86238-11		TUBE ASSEMBLY - Fuel	1	
-45	86238-12		TUBE ASSEMBLY - Fuel	1	
-46	86238-72		TUBE ASSEMBLY - Fuel, left	1	
-47	86238-74		TUBE ASSEMBLY - Fuel, right	1	
-48	86238-39		TUBE ASSEMBLY - Fuel filter drain, left	1	
-49	86238-40		TUBE ASSEMBLY - Fuel filter drain, right	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
51A-50	453 838		BUSHING - Snap (PS10064-500-6)	4	
-51	477 629	W	NUT - (AN924-4)	2	
-52	558 830		ELBOW - (RA2000-C6)	4	
-53	558 818		ELBOW - (AN821-8)	2	
-54	458 875	W	ELBOW - (AN822-4)	2	
-55	558 792	W	ELBOW - (AN822-6)	2	
-56	458 936	W	ELBOW - (AN833-6)	4	
-57	554 557		CLAMP - (AN735-8)	4	
-58	554 574		CLAMP - (AN735-6)	2	
-59	476 678	W	NIPPLE - (AN816-6)	1	
-60	476 718		NIPPLE - (AN911-2)	2	
-61	484 080		REDUCER - (AN919-6)	1	
-62	82732-72		BUSHING	2	
-63	488 490		TEE - (AN826-6)	1	
-64	491 063	W	UNION - (AN832-4)	2	
-65	458 864	W	UNION - Bulkhead (AN837-6)	3	
-66	458 848	W	ELBOW - (AN837-8)	2	
-67	488 327	W	CLEVIS - (AN665-21R)	2	
-68	407 684	W	WASHER - (AN960-C1216L)	2	
	477 691	W	NUT - (AN924-8)	2	
-69	477 631	W	NUT - (AN924-6)	4	
-70	558 817		ELBOW - (AN821-6), right	1	
-71	407 570	W	WASHER - (AN960-916)	6	
-72	424 174	W	PIN - (MS20392-2C11)	2	
	407 584	W	WASHER - (AN960-10L)	2	
	424 052	W	COTTER PIN - (MS24665-134)	2	
-73	404 224	W	NUT - Check (AN315-3R)	4	
-74	554 946	W	CLAMP - (SAE TYF-8SS)	2	
-75	35669-54		PLACARD - Fuel drain	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

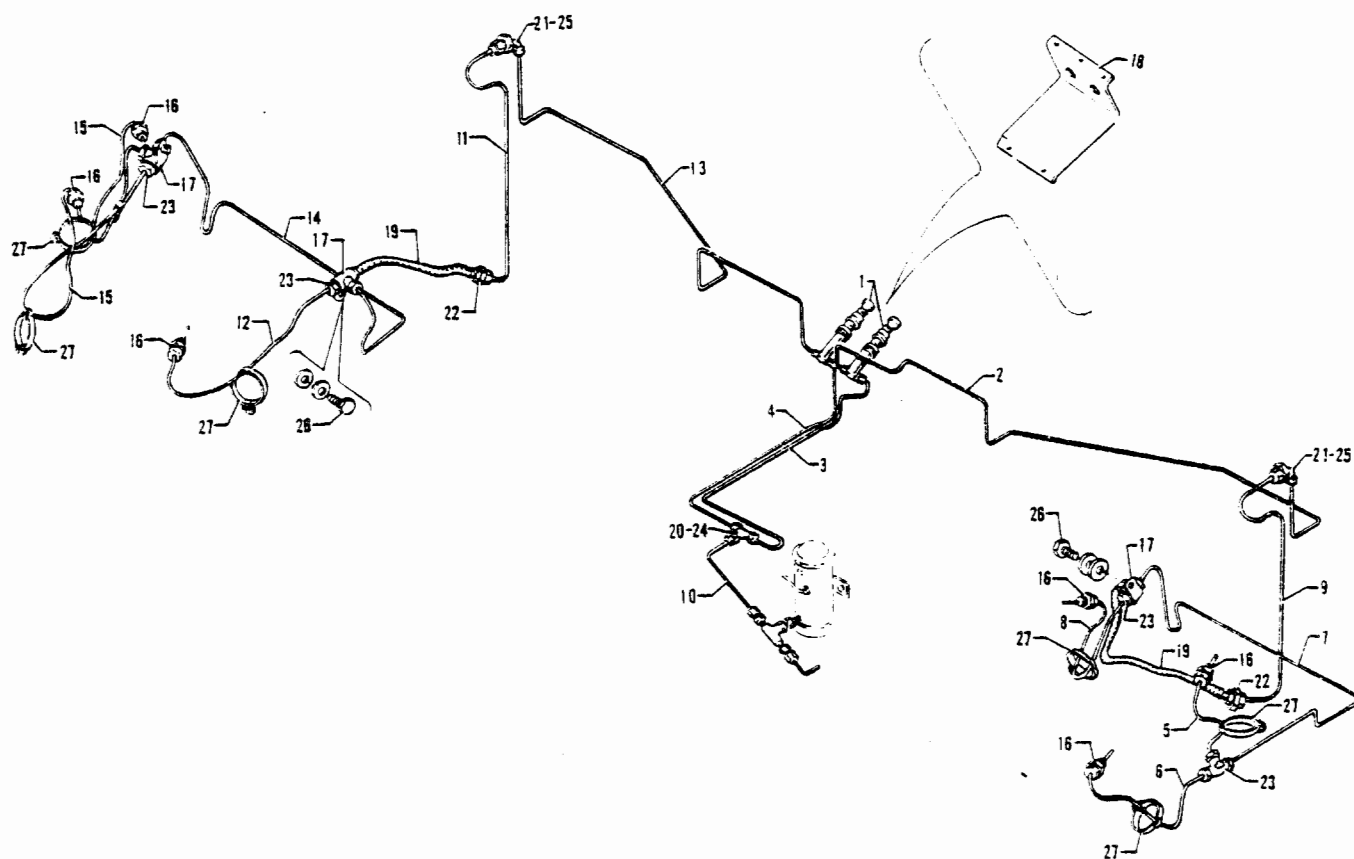


Figure 52. Fuel Primer System Installation

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 52

- A - When ordering for serial numbers 44-7995001 to 44-7995190 inclusive, ascertain if Service Bulletin 634 has been complied with.
W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
52-	86650		DRAWING - Primer System Installation		
-1	451 103		PRIMER ASSEMBLY - (K2406-SAE-2)	2	
-2	86650-03		TUBE ASSEMBLY - Primer to engine, left	1	
-3	86650-04		TUBE ASSEMBLY - Primer, left	1	
-4	86650-05		TUBE ASSEMBLY - Primer, right	1	
-5	86650-15	A	TUBE ASSEMBLY - Primer, engine, outboard left	1	
-6	86650-16	A	TUBE ASSEMBLY - Primer, engine, outboard left	1	
-7	86650-17	A	TUBE ASSEMBLY - Primer, engine, left	1	
-8	86650-18	A	TUBE ASSEMBLY - Primer, engine, inboard, left	1	
-9	86650-19	A	TUBE ASSEMBLY - Primer, engine, left	1	
-10	86650-11		TUBE ASSEMBLY - Heater fuel pump	1	
-11	86650-20	A	TUBE ASSEMBLY - Primer, engine, right	1	
-12	86650-21	A	TUBE ASSEMBLY - Primer, engine, inboard right	1	
-13	86650-14		TUBE ASSEMBLY - Primer to engine, right	1	
-14	86650-22	A	TUBE ASSEMBLY - Primer, engine, right	1	
-15	86650-23	A	TUBE ASSEMBLY - Primer, engine, outboard right	2	
-16	31197-00	W	PRIMER JET	6	
-17	65429-00	A	CLAMP	3	
-18	86657-02		BRACKET - Engine primer	1	
-19	63901-102	A	HOSE ASSEMBLY - Primer	2	
-20	588 565		TEE - (AN834-2)	1	
-21	458 933		ELBOW - (AN833-2)	2	
-22	491 048	A	UNION - (AN815-2D)	2	
-23	488 318	A	TEE - (AN824-2D)	4	
-24	407 802		WASHER - (AN970-5)	1	
	477 627	W	NUT - (AN924-2)	1	
-25	407 586	W	WASHER - (AN960-516L)	2	
	477 627	W	NUT - (AN924-2)	2	
-26	418 420	A,W	SCREW - Cap (1/4-20NC-3 x 1/2 long)	2	
	407 105	A,W	WASHER - (AN935-416)	2	
	407 585	A,W	WASHER - (AN960-416L)	2	
-27	21230-00	A,W	CLAMP	6	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

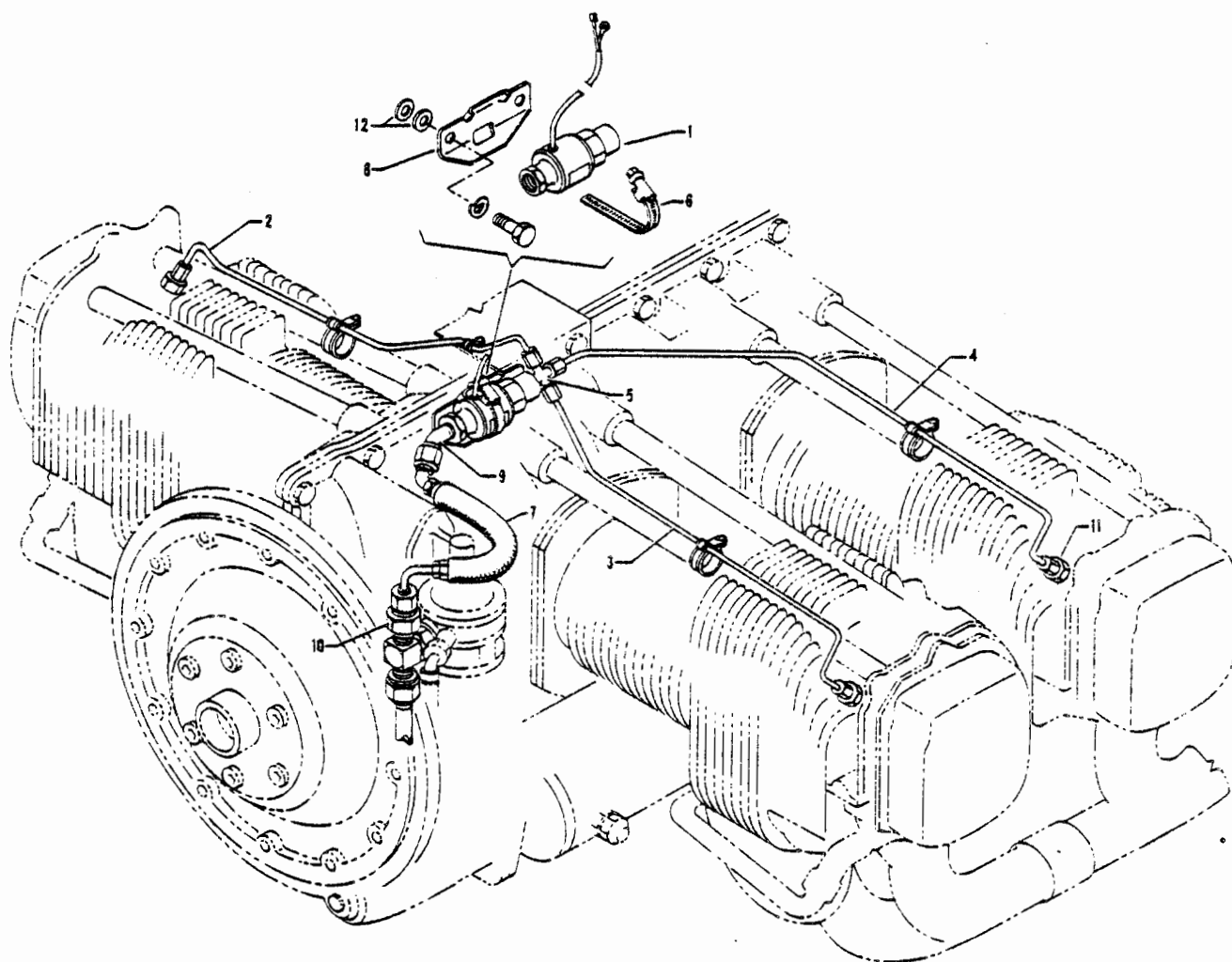


Figure 52A. Fuel Primer System Installation

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 52A

W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
52A-	86844		DRAWING - Primer System Installation		
-1	86875-02		VALVE ASSEMBLY - Solenoid	2	
-2	86844-03		TUBE ASSEMBLY - Primer	2	
-3	86844-04		TUBE ASSEMBLY - Primer	2	
-4	86844-05		TUBE ASSEMBLY - Primer	2	
-5	86878-02		CROSS - Fuel	2	
-6	98711-04		CLAMP ASSEMBLY - Valve	2	
-7	35801-12		HOSE ASSEMBLY - Fuel	2	
-8	86872-02		BRACKET - Primer valve mounting	2	
-9	458 865	W	ELBOW - (AN823-4)	2	
-10	584 141		REDUCER - (221501-6-4S)	2	
-11	476 720		NIPPLE ASSEMBLY - (74225)	6	
-12	407 565	W	WASHER - (AN960-416)	2	
	407 585	W	WASHER - (AN960-416L)	2	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

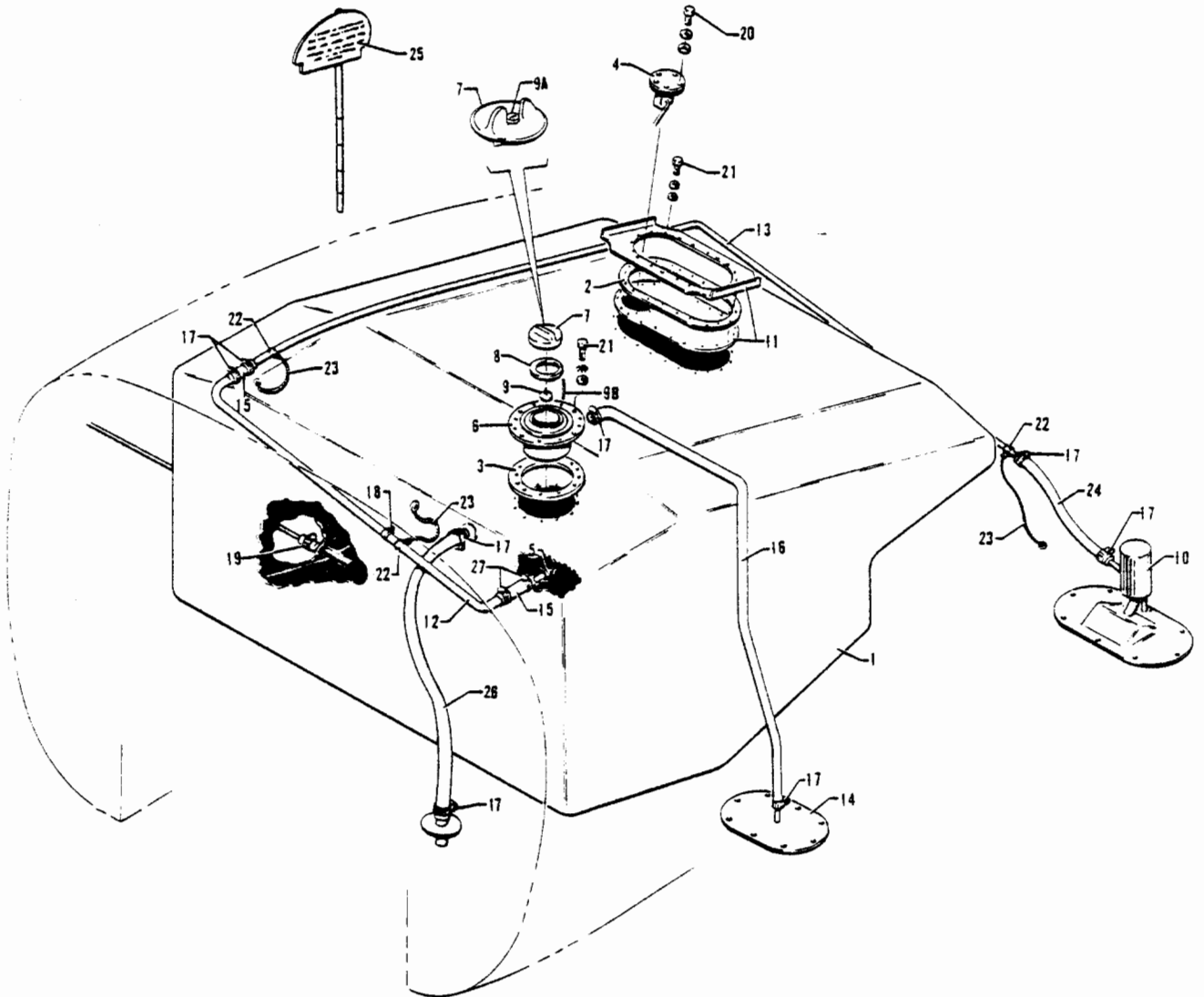


Figure 53. Fuel Cell Installation

REVISED: JANUARY 1982

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PA-44-180
PA-44-180T

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 53

- A - Used on PA-44-180 only.
- B - Used on PA-44-180 with serial numbers 44-7995155 and up, and PA-44-180T.
- C - Used on PA-44-180 with serial numbers 44-7995300 and up, and PA-44-180T.
- D - Kit includes (2) cap assemblies with matching locks.
- E - Used with fuel cap assembly P/N 66817-02 only.
- F - Used with Fuel Cap Assembly Kit P/N 39830-800 only.
- W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
53-	86243		DRAWING - Fuel Cell Installation		
-1	454 385		CELL ASSEMBLY - Fuel, left (2F1-6-42013-3)	1	
	454 386		CELL ASSEMBLY - Fuel, right (2F1-6-42013-4)	1	
-2	755 087		* GASKET - Fuel cell (2F1-31548-5A-368)	1	
-3	755 068		* GASKET - Fuel filler (2F1-311072-24F)	1	
-4	86688-02		SENDER - Fuel	2	
-5	86589-02		CHECK VALVE - Fuel cell	2	
-6	86588-02		FILLER ASSEMBLY - Fuel cell	2	
-7	66817-02		* CAP ASSEMBLY - Fuel (non-locking)	1	
	39830-800	D	* CAP ASSEMBLY KIT - Fuel (with locks)	1	
-8	66815-00	E	* * GASKET - Fuel cap	1	
	39829-02	F	* * GASKET - Fuel cap	1	
-9	492 153	E	* * VALVE - Fuel cap vent (VA3123)	1	
-9a	39856-02	F	* * LOCK ASSEMBLY - Fuel cap	2	
-9b	69202-03	E	* * CHAIN ASSEMBLY - Gas cap safety	1	
-10	86244-02		VENT ASSEMBLY - Fuel tank cover, left	1	
	86244-03		VENT ASSEMBLY - Fuel tank cover, right	1	
-11	86334-02		COVER ASSEMBLY - Fuel cell, left	1	
	86334-03		COVER ASSEMBLY - Fuel cell, right	1	
-12	86238-33		TUBE - Fuel cell vent	2	
-13	86238-34		TUBE - Fuel cell vent	2	
-14	86242-02	A	PLATE ASSEMBLY - Fuel drain	2	44-7995001 to 44-7995299 incl.
-15	69015-44		HOSE - Fuel vent	2	
-16	69015-43	A	HOSE - Fuel vent	2	44-7995001 to 44-7995299 incl.
-17	554 888	W	CLAMP - (SAE TY F-6)	12	
-18	454 930	W	CLAMP - (PS10017-2-6)	2	
-19	554 664	A	CLAMP - (H-SS-8)	2	44-7995001 to 44-7995154 incl.
	654 048	B	CLAMP - (8HL)	2	
-20	401 266	W	BOLT - (AN3-5A)	10	
	407 043	W	WASHER - (MS35338-43)	10	
	407 564	W	WASHER - (AN960-10)	10	
-21	400 002	W	BOLT - (AN4-5A)	80	
	407 565	W	WASHER - (AN960-416)	80	
	407 105	W	WASHER - (AN935-416)	80	
-22	554 574		CLAMP - (AN735-6)	6	
-23	86716-02		BONDING STRAP	6	
-24	69015-45		HOSE - Fuel vent	2	
-25	86704-02		GAUGE ASSEMBLY - Fuel cell (hand held)	1	
-26	69015-46	C	HOSE - Fuel vent	2	
-27	554 888	A,W	CLAMP - (SAE TY F-6)	4	44-7995001 to 44-7995154 incl.
	654 046	B	CLAMP - (6HL)	4	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

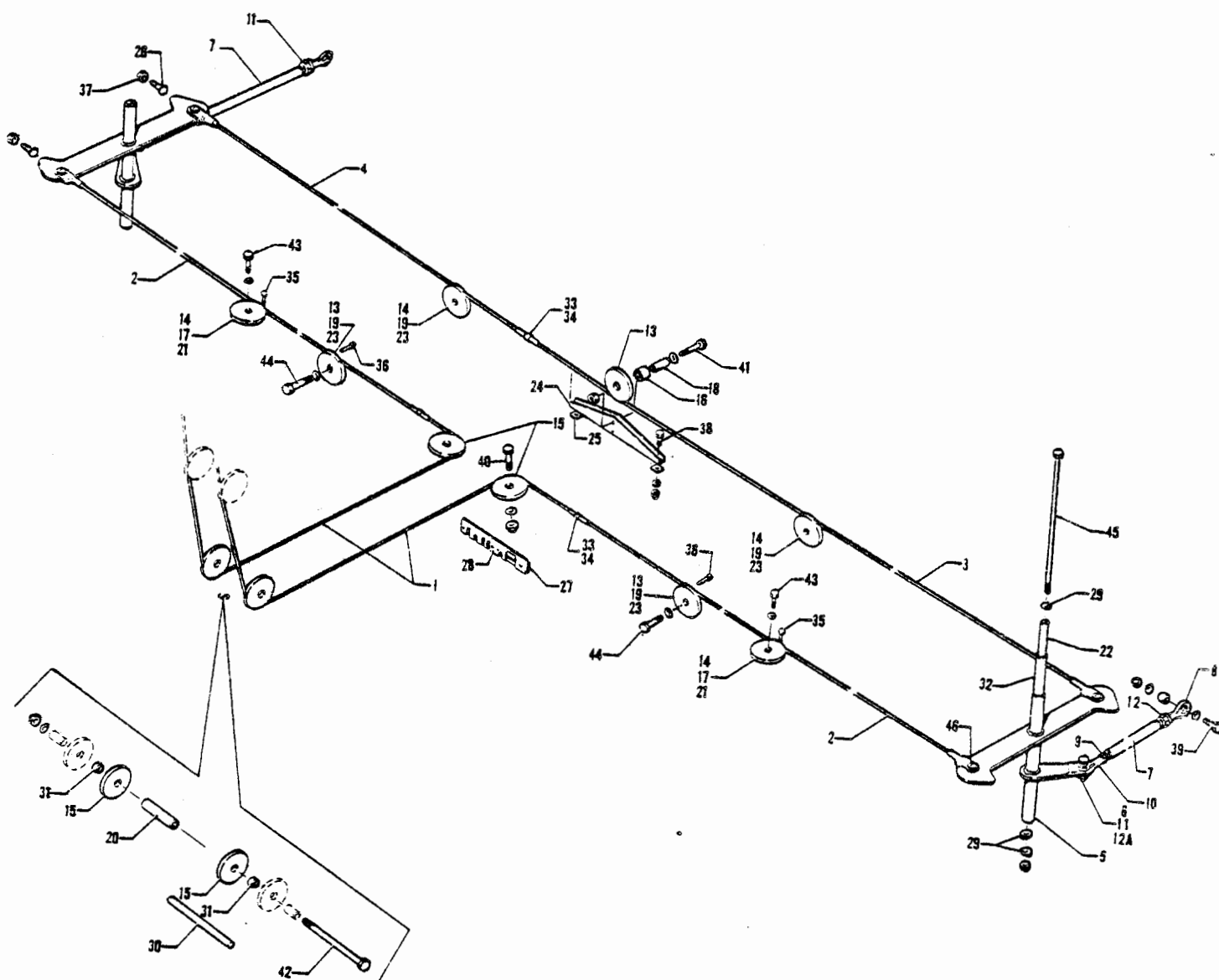


Figure 54. Aileron Control Installation

REVISED: AUGUST 1980

1K14

PA-44-180
PA-44-180T

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 54

W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
54-	86284		DRAWING - Control System Installation		
-1	62701-99		CABLE ASSEMBLY - Aileron, forward	2	
-2	62701-143		CABLE ASSEMBLY - Aileron, wing	2	
-3	62701-123		CABLE ASSEMBLY - Aileron, balance, left	1	
-4	62701-124		CABLE ASSEMBLY - Aileron, balance, right	1	
-5	86526-07		BELLCRANK ASSEMBLY - Aileron, left	1	
	86526-08		BELLCRANK ASSEMBLY - Aileron, right	1	
-6	452 603		* BEARING - (PS10020-7-3)	1	
-7	35476-04		ROD ASSEMBLY - Aileron	1	
-8	452 335	W	* BEARING - Rod end (PS10020-2-IRX) (right hand thread)	1	
	452 336		* BEARING - Rod end (PS10020-2-ILX) (left hand thread)	1	
-9	404 322	W	* NUT - (AN316-4R) (right hand thread)	1	
	404 320		* NUT - (AN316-4L) (left hand thread)	1	
-10	554 687		CLEVIS - (MS35812-2)	1	
-11	63900-119		BUSHING	2	
-12	404 322	W	NUT - (AN316-4R)	2	
-12a	401 269	W	BOLT - (AN3-10)	1	
	407 564	W	WASHER - (AN960-10)	2	
	404 100	W	NUT - (AN310-3)	1	
	424 051	W	COTTER PIN - (MS24665-132)	2	
-13	62711-02		PULLEY	3	
-14	62711-05		PULLEY	4	
-15	41001-10		PULLEY	4	
-16	62713-03		BEARING - Pulley, outer	1	
-17	62713-02		BEARING - Pulley, outer	2	
-18	62712-03		BEARING - Pulley, inner	1	
-19	62713-04		BEARING - Pulley, outer	4	
-20	62743-06		BUSHING	1	
-21	65003-29		BUSHING - Inner	2	
-22	65003-57		BUSHING	2	
-23	65003-47		BUSHING - Inner	4	
-24	62746-00		BRACKET - Pulley	1	
-25	62762-00		FILLER BLOCK	2	
-26	66614-00		BUMPER - Aileron bellcrank	4	
-27	67158-03		FAIRLEAD - Lower	1	
-28	67159-03		FAIRLEAD - Upper	1	
-29	494 103		WASHER - Aileron bellcrank (97322)	4	
-30	62710-02		PIN - Cable guard	1	
-31	62743-02		SPACER - Bushing	2	
-32	63882-68		SLEEVE	2	
-33	489 910	W	TURNBUCKLE - (MS21251-B5S)	3	
-34	554 979	W	CLIP - (MS21256-1)	6	
-35	424 502		PIN - (NAS427K8)	2	
-36	424 513	W	PIN - (NAS427K19)	2	
-37	404 224	W	NUT - (AN315-3R)	4	
-38	401 266	W	BOLT - (AN3-5A)	2	
	407 564	W	WASHER - (AN960-10)	2	
	404 887	W	NUT - (MS20365-1032C)	2	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
54-39	400 452	W	BOLT - (AN3-11A)	2	
	407 584	W	WASHER - (AN960-10L)	2	
	407 564	W	WASHER - (AN960-10)	6	
	404 887	W	NUT - (MS20365-1032C)	2	
	401 188	W	BOLT - (AN5-10A)	2	
	407 566	W	WASHER - (AN960-516)	2	
	407 586	W	WASHER - (AN960-516L)	4	
-40	404 889	W	NUT - (MS20365-524C)	2	
	400 008	W	BOLT - (AN4-13A)	1	
	407 566	W	WASHER - (AN960-516)	2	
	407 565	W	WASHER - (AN960-416)	1	
	404 888	W	NUT - (MS20365-428C)	1	
	401 385	W	BOLT - (AN5-64A)	1	
-42	407 566	W	WASHER - (AN960-516)	2	
	404 889	W	NUT - (MS20365-524C)	1	
	401 310	W	BOLT - (AN4-10A)	2	
-43	407 565	W	WASHER - (AN960-416)	8	
	404 888	W	NUT - (MS20365-428C)	2	
	401 315	W	BOLT - (AN4-15A)	4	
-44	407 565	W	WASHER - (AN960-416)	4	
	401 289	W	BOLT - (AN3-63A)	2	
	407 564	W	WASHER - (AN960-10)	2	
-45	404 887	W	NUT - (MS20365-1032C)	2	
	400 674	W	BOLT - (AN23-12)	4	
	63900-31		BUSHING	4	
-46	407 564	W	WASHER - (AN960-10)	8	
	404 392	W	NUT - (AN320-3)	4	
	424 051	W	COTTER PIN - (MS24665-132)	4	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

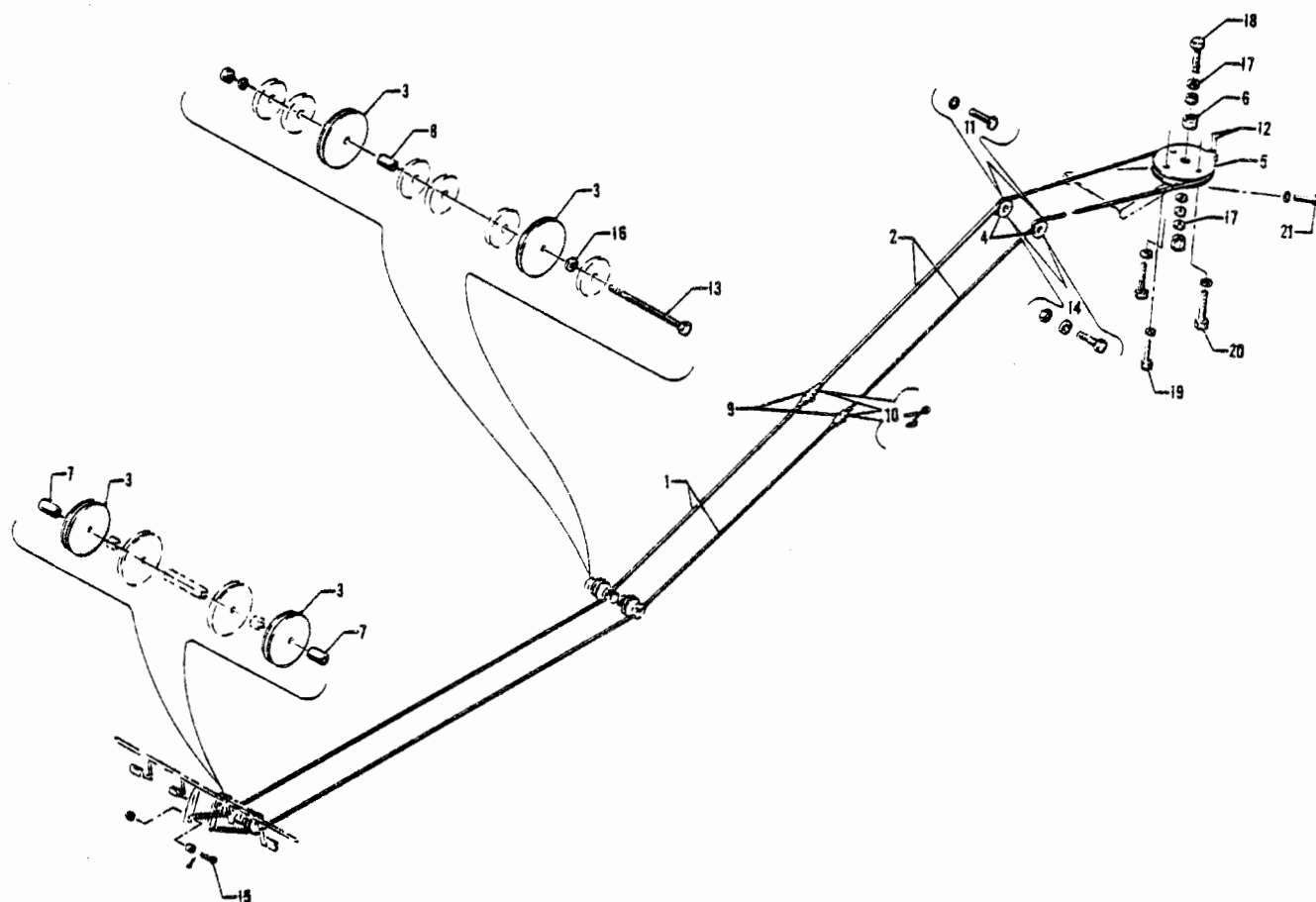


Figure 55. Rudder Control Installation

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 55

W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
55-	86284		DRAWING - Control System Installation		
-1	62701-100		CABLE ASSEMBLY - Rudder control, forward	2	
-2	62701-154		CABLE ASSEMBLY - Rudder control, aft	1	
-3	41001-10		PULLEY - Rudder control	4	
-4	481 652	W	PULLEY - Rudder control (MS20220-2)	2	
-5	86496-02		SECTOR ASSEMBLY - Rudder	1	
-6	452 719		* BEARING - (PS10020-7-17)	1	
-7	62743-04		SPACER - Rudder control	2	
-8	62743-05		BUSHING - Rudder control	1	
-9	489 910	W	TURNBUCKLE - Rudder cable (MS21251-85S)	2	
-10	554 979	W	CLIP - Rudder cable (MS21256-1)	4	
-11	424 506	W	PIN - (NAS427K12)	2	
-12	424 059	W	COTTER PIN - (MS24665-283)	2	
-13	401 357		BOLT - (AN5-57A)	1	
	407 566	W	WASHER - (AN960-516)	2	
	404 889	W	NUT - (MS20365-524C)	1	
-14	401 189	W	BOLT - (AN5-11A)	2	
	407 566	W	WASHER - (AN960-516)	2	
	404 889	W	NUT - (MS20365-524C)	2	
-15	400 672	W	BOLT - (AN23-10)	2	
	407 564	W	WASHER - (AN960-10)	2	
	404 392	W	NUT - (AN320-3)	2	
	424 051	W	COTTER PIN - (MS24665-132)	2	
-16	407 586	W	WASHER - (AN960-516L)	1	
-17	62833-86		WASHER	2	
-18	400 011	W	BOLT - (AN4-16A)	1	
	407 585	W	WASHER - (AN960-416L)	2	
	407 565	W	WASHER - (AN960-416)	AR	
	404 888	W	NUT - (MS20365-428C)	1	
-19	401 258		BOLT - (AN3H-6A)	1	
	407 584	W	WASHER - (AN960-10L)	1	
-20	401 276		BOLT - (AN3H-15A)	2	
	407 584	W	WASHER - (AN960-10L)	2	
-21	553 262		SCREW - (PL423-3-10)	2	
	404 224	W	NUT - (AN315-3R)	2	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

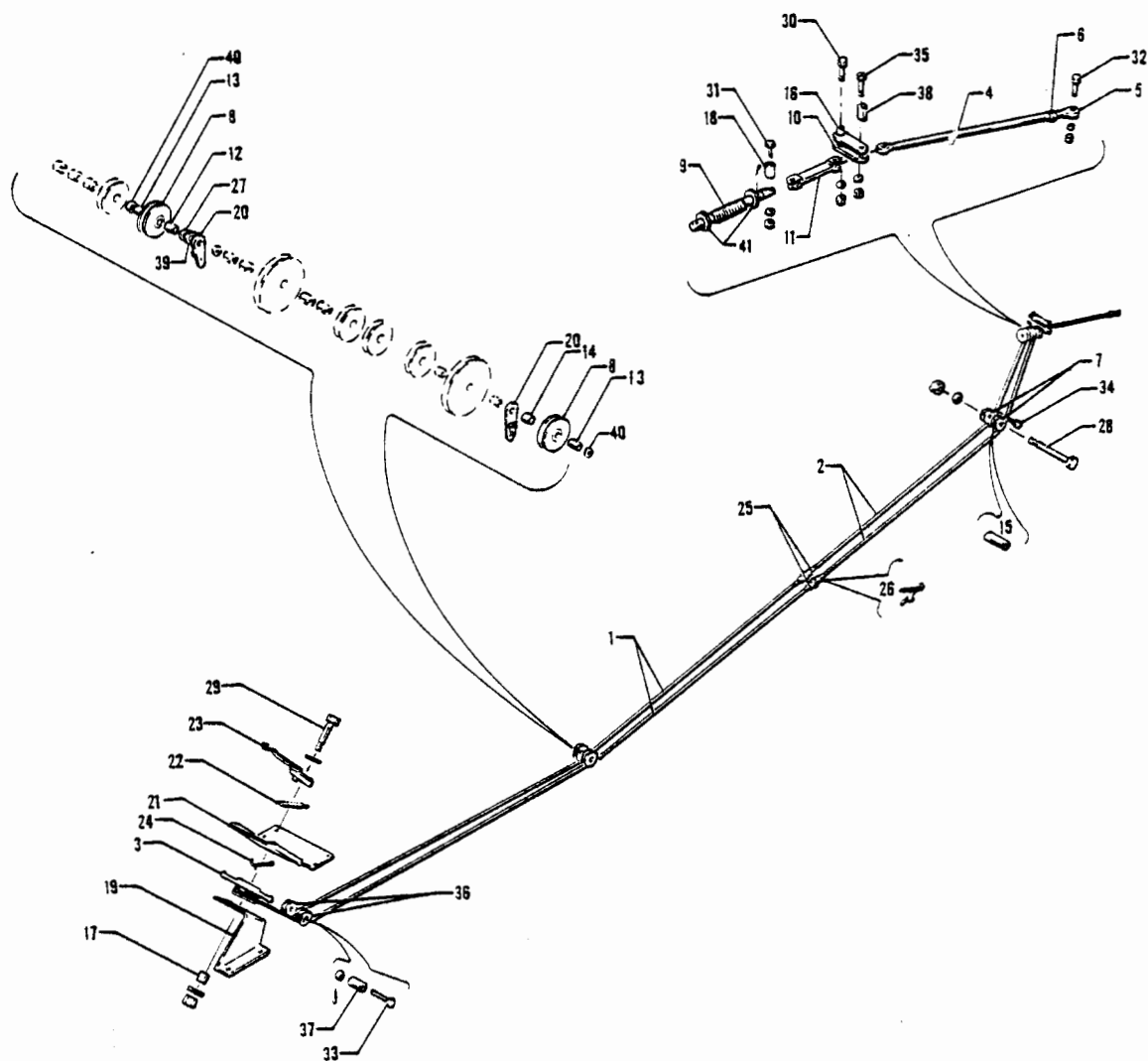


Figure 56. Rudder Trim Installation

REVISED: MARCH 1980

1K21

PA-44-180
PA-44-180T

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 56

W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
56-	86284		DRAWING - Control System Installation		
-1	62701-160		CABLE ASSEMBLY - Rudder trim control, forward	2	
-2	62701-156		CABLE ASSEMBLY - Rudder trim control, aft	1	
-3	96008-02		WHEEL ASSEMBLY - Rudder trim	1	
-4	86572-02		ROD ASSEMBLY - Rudder trim	1	
-5	452 451		* BEARING - Rod end (PS10020-19-1)	2	
-6	404 321	W	* NUT - (AN316-C4R)	2	
-7	481 640		PULLEY - (MS24566-1B)	2	
-8	62711-03		PULLEY - Rudder trim	2	
-9	37424-00		SHAFT ASSEMBLY - Trim adjustmen.	1	
-10	86572-04		ARM ASSEMBLY - Travel control	1	
-11	86572-03		LINK ASSEMBLY - Trim travel	1	
-12	62714-05		BEARING - Pulley, inner	1	
-13	62715-06		BEARING - Pulley, outer	2	
-14	62714-07		BEARING - Pulley, inner	1	
-15	95061-145		BUSHING - Spacer	1	
-16	86700-03		BUSHING	1	
-17	63900-61		BUSHING	1	
-18	95061-113		BUSHING	1	
-19	86628-05		BRACKET - Rudder trim wheel	1	
-20	86364-02		CABLE GUIDE	2	
-21	86629-02		BRACKET ASSEMBLY - Rudder trim wheel	1	
-22	14635-02		* SPRING - Rudder trim wheel	1	
-23	78001-00		* INDICATOR - Rudder trim	1	
-24	78002-00		* FOLLOWER - Rudder trim indicator	1	
-25	489 873	W	TURNBUCKLE - (MS21251-B2S)	2	
-26	554 979	W	CLIP - (MS21256-1)	4	
-27	407 587	W	WASHER - (AN960-616L)	1	
-28	401 282		BOLT - (AN3-27A)	1	
	407 564	W	WASHER - (AN960-10)	2	
	404 887	W	NUT - (MS20365-1032C)	1	
-29	400 450	W	BOLT - (AN3-17A)	1	
	407 564	W	WASHER - (AN960-10)	1	
	407 584	W	WASHER - (AN960-10L)	AR	
	404 887	W	NUT - (MS20365-1032C)	1	
-30	400 063	W	BOLT - (AN3-20)	1	
	407 564	W	WASHER - (AN960-10)	AR	
	407 565	W	WASHER - (AN960-416)	AR	
	407 585	W	WASHER - (AN960-416L)	AR	
	404 392	W	NUT - (AN320-3)	1	
	424 051	W	PIN - Cotter (MS24665-132)	1	
-31	402 285		BOLT - (AN173-10A)	1	
	407 584	W	WASHER - (AN960-10L)	2	
	404 887	W	NUT - (MS20365-1032C)	1	
-32	402 258		BOLT - (AN173-7A)	1	
	407 584	W	WASHER - (AN960-10L)	1	
	404 887	W	NUT - (MS20365-1032C)	1	
-33	424 175	W	PIN - (MS20392-2C13)	1	
	424 051	W	COTTER PIN - (MS24665-132)	1	
-34	424 533		PIN - (NAS427K38)	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
56-35	400 678		BOLT - (AN23-16)	1	
	404 392	W	NUT - (AN320-3)	1	
	424 039		COTTER PIN - (MS24665-69)	1	
-36	62711-04		PULLEY - Rudder trim	2	
-37	65003-36		BUSHING	2	
-38	86700-14		BUSHING	2	
-39	407 586	W	WASHER - (AN960-516L)	1	
-40	407 567	W	WASHER - (AN960-616)	1	
-41	407 589	W	WASHER - (AN960-816L)	2	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

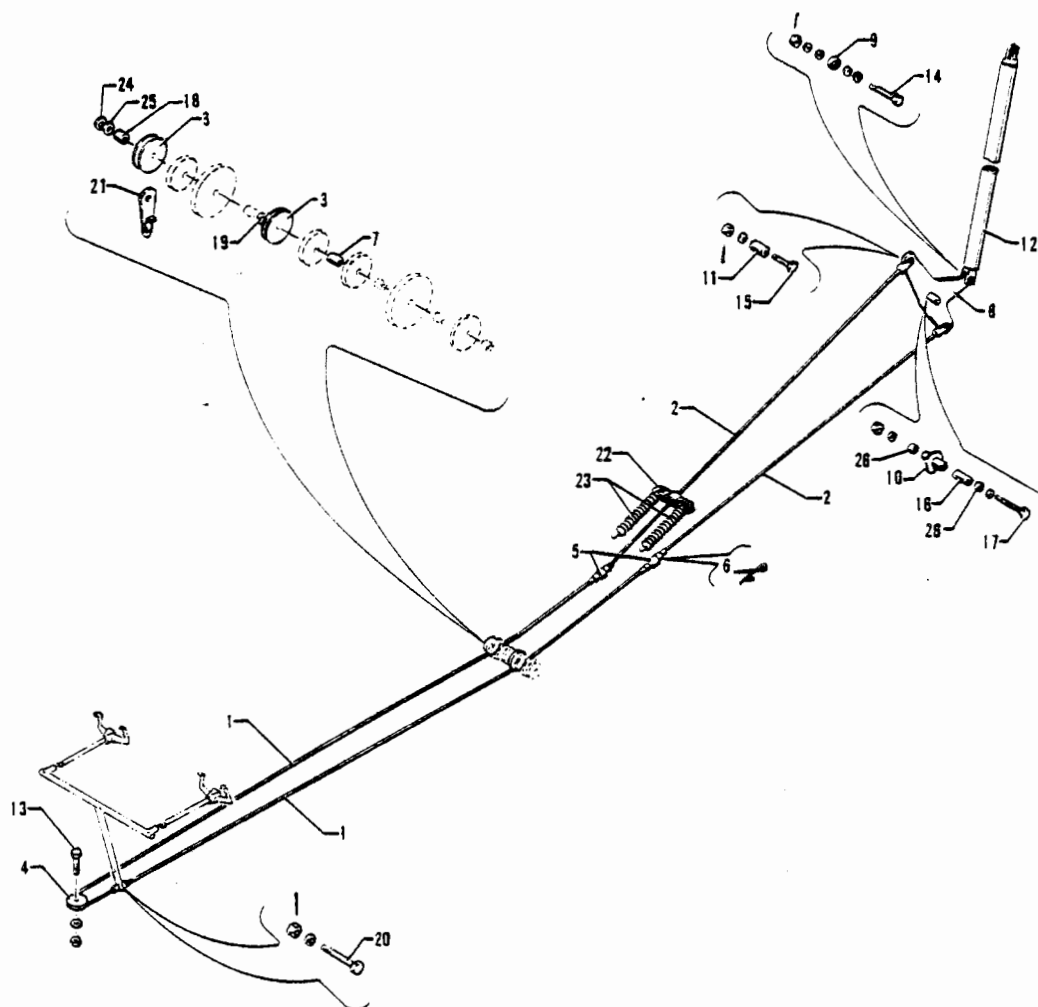


Figure 57. Stabilator Control Installation

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 57

W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
57-	86284		DRAWING - Control System Installation		
-1	62701-113		CABLE ASSEMBLY - Stabilator control, forward, left	1	
	62701-114		CABLE ASSEMBLY - Stabilator control, forward, right	1	
-2	62701-162		CABLE ASSEMBLY - Stabilator control, aft, upper	1	
	62701-153		CABLE ASSEMBLY - Stabilator control, aft, lower	1	
-3	62711-03		PULLEY - Stabilator control	2	
-4	481 652	W	PULLEY - Stabilator control (MS20220-2)	1	
-5	489 910	W	TURNBUCKLE - (MS21251-85S)	2	
-6	554 979	W	CLIP - (MS21256-1)	4	
-7	62715-02		BEARING - Pulley, outer	1	
-8	35804-02		BELLCRANK ASSEMBLY - Stabilator	1	
-9	452 719		* BEARING - (PS10020-7-17)	1	
-10	78919-02		* BUSHING ASSEMBLY	1	
-11	95061-148		* BUSHING	2	
-12	78918-04		PUSHROD ASSEMBLY - Stabilator	1	
13	401 188	W	BOLT - (AN5-10A)	1	
	407 566	W	WASHER - (AN960-516)	1	
	404 889	W	NUT - (MS20365-524C)	1	
-14	400 107	W	BOLT - (AN4-12)	2	
	407 565	W	WASHER - (AN960-416)	6	
	404 101	W	NUT - (AN310-4)	2	
	424 052	W	COTTER PIN - (MS24665-134)	2	
-15	400 673	W	BOLT - (AN23-11)	2	
	407 584	W	WASHER - (AN960-10L)	2	
	404 392	W	NUT - (AN320-3)	2	
	424 052	W	COTTER PIN - (MS24665-134)	2	
-16	95061-150		BUSHING - Stabilator bellcrank	1	
-17	400 121		BOLT - (AN4-30)	1	
	407 565	W	WASHER - (AN960-416)	2	
	404 101	W	NUT - (AN310-4)	1	
	424 052	W	COTTER PIN - (MS24665-134)	1	
-18	62715-06		BEARING - Pulley, outer	1	
-19	407 587	W	WASHER - (AN960-616L)	1	
	407 587	W	WASHER - (AN960-616)	1	
-20	400 056	W	BOLT - (AN3-11)	1	
	407 564	W	WASHER - (AN960-10)	1	
	404 392	W	NUT - (AN320-3)	1	
	424 051	W	COTTER PIN - (MS24665-132)	1	
-21	86364-02		CABLE GUIDE	1	
-22	96184-00		PLATE - Clamp	2	
-23	37523-00		SPRING - Expansion	2	
-24	407 586		WASHER - (AN960-516L)	1	
-25	407 587		WASHER - (AN960-616L)	1	
-26	407 585	W	WASHER - (AN960-416L)	2	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

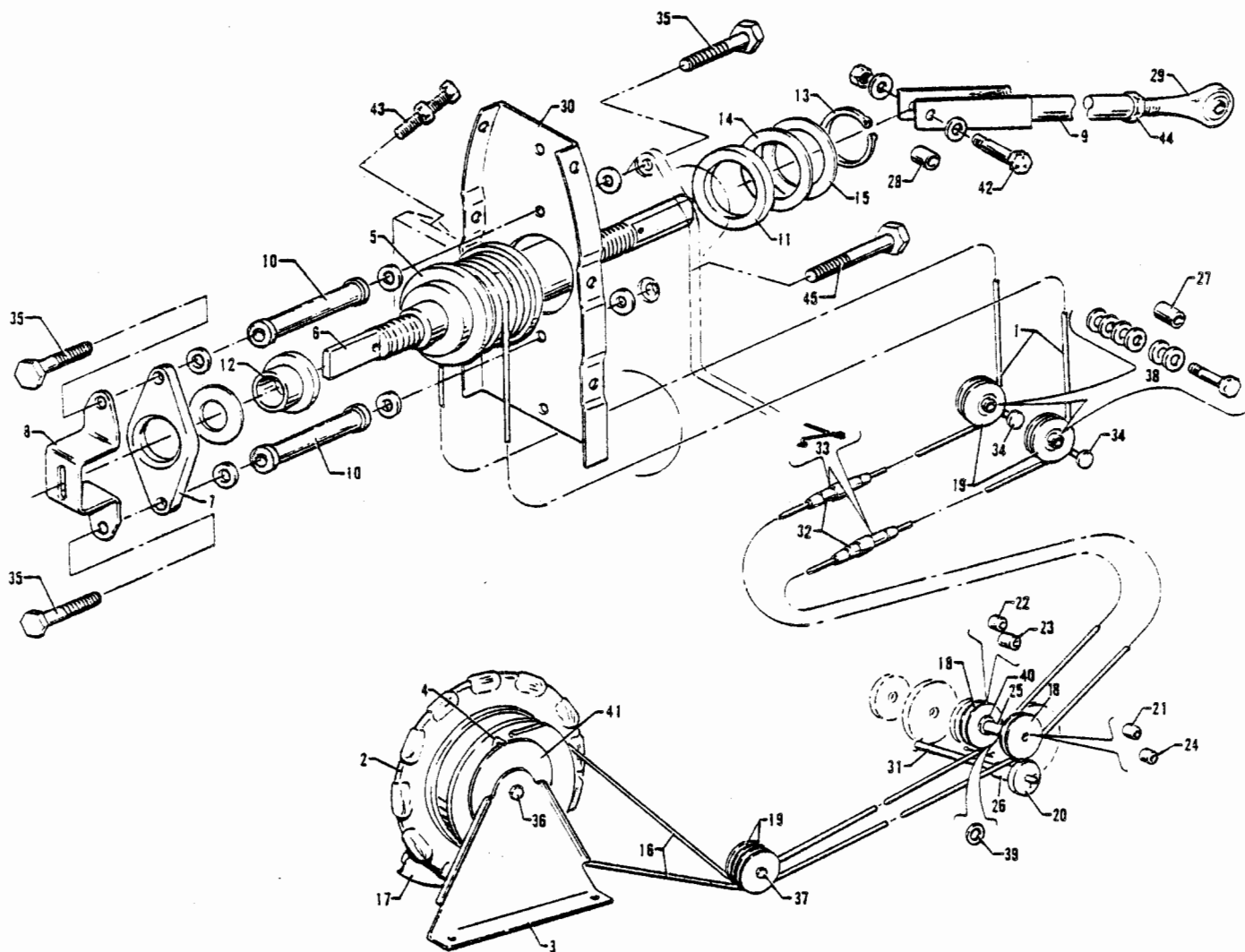


Figure 58. Stabilator Trim Installation

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 58

A - Used on PA-44-180 only.

B - Used on PA-44-180 with serial numbers 44-7995012, 44-7995014 and up, and PA-44-180T.

C - Used on PA-44-180 with serial numbers 44-7995286 and up, and PA-44-180T.

W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
58-	86284		DRAWING - Control System Installation		
-1	62701-155		CABLE - Stabilator trim, aft	1	
-2	68414-03		WHEEL ASSEMBLY - Trim tab	1	
-3	86626-02		BRACKET ASSEMBLY - Trim tab	1	
-4	68488-02		INDICATOR - Stabilator trim	1	
-5	78925-03		BARREL - Stabilator trim	1	
-6	78926-02		SCREWJACK - Stabilator trim	1	
-7	78969-02		RETAINER - Stabilator trim barrel	1	
-8	78970-02		GUIDE - Stabilator trim screw	1	
-9	78921-04		PUSHROD ASSEMBLY - Stabilator trim	1	
-10	38458-02		SPACER - Trim barrel assembly	2	
-11	452 628		BEARING - (TT-1602)	1	
-12	452 626		BEARING - (FF-1011-2)	1	
-13	484 855		SNAP RING - (5108-100)	1	
-14	62833-108		SHIM	AR	
-15	407 572		WASHER - (AN960-1616L)	1	
-16	62701-160		CABLE - Stabilator trim, forward	2	
-17	86626-03		BRACKET - Trim tab	1	
-18	62711-03		PULLEY - Trim tab	2	
-19	481 640		PULLEY - (MS24665-1B)	4	
-20	65639-00		GUARD - Trim pulley	1	
-21	62715-06		BUSHING	1	
-22	62715-02		BUSHING - Trim tab	1	
-23	62714-02		BUSHING - Trim tab	1	
-24	62714-07		BUSHING - Trim tab	1	
-25	62714-03		SPACER - Stabilator trim pulley	1	
-26	63900-124		BUSHING	1	
-27	95061-31		SPACER	2	
-28	452 625		BEARING - (NAS76A3-014)	1	
-29	452 439	W	BEARING - (PS10020-17-1R)	1	
-30	38378-02		FRAME ASSEMBLY - Fin tip support	1	
-31	62710-04		PIN - Cable guard	1	
-32	489 873	W	BARREL - Turnbuckle (MS21251-82S)	2	
-33	554 979	W	CLIP - Turnbuckle (MS21256-1)	4	
-34	424 506	W	PIN - (NAS427K12)	2	
-35	401 265	W	BOLT - (AN3H-4A)	3	
	407 564	W	WASHER - (AN960-10)	3	
-36	400 450	W	BOLT - (AN3-17A)	1	
	63900-61		BUSHING	1	
	407 584	W	WASHER - (AN960-10L)	2	
	407 564	W	WASHER - (AN960-10)	1	
	404 887	W	NUT - (MS20365-1032C)	1	
-37	400 678	A	BOLT - (AN23-16)	1	44-7995001 to 44-7995011 incl., 44-7995013
	424 181	B,W	PIN - (MS20392-2C25)	1	
	407 564	W	WASHER - (AN960-10)	1	
	404 392	A,W	NUT - (AN320-3)	1	44-7995001 to 44-7995011 incl., 44-7995013
	424 051	W	COTTER PIN - (MS24665-132)	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
58-38	401 269	A.W	BOLT - (AN3-10A)	2	44-7995001 to 44-7995285 incl.
	401 270	C.W	BOLT - (AN3-11A)	2	
	407 584	A.W	WASHER - (AN960-10L)	2	44-7995001 to 44-7995285 incl.
	407 584	C.W	WASHER - (AN960-10L)	1	
	407 564	C.W	WASHER - (AN960-10)	1	
	404 835	C.W	NUT - (MS20364-1032C)	1	
-39	407 586	W	WASHER - (AN960-516L)	1	
-40	407 567	W	WASHER - (AN960-616)	1	
-41	62833-37		WASHER	1	
-42	401 269	W	BOLT - (AN3-10A)	1	
	407 564	W	WASHER - (AN960-10)	2	
	404 887	W	NUT - (MS20365-1032C)	1	
-43	553 267		BOLT - (NKN428-3-10)	2	
	404 224	W	NUT - (AN315-3R)	2	
-44	404 323		NUT - (AN316-5R)	1	
-45	401 893		BOLT - (MS20073-03-11)	1	
	407 564	W	WASHER - (AN960-10)	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

This diagram is an exploded view of a mechanical assembly, likely a vehicle's suspension or steering component. It shows the following parts and their assembly relationships:

- Top Assembly:** A long shaft (17) with a central bearing (1) and a flange (2). It is connected to a lever arm (18) via a pin (19) and a bush (20). A spring (24) is attached to the lever arm (25) and a bracket (49).
- Central Assembly:** A bracket (3) with a spring (39) and a pin (34). It is connected to a lever arm (26) via a pin (41) and a bush (34). A spring (28) is attached to the lever arm (28) and a bracket (37).
- Bottom Assembly:** A lever arm (7) with a pin (51) and a bush (52). It is connected to a bracket (53) via a pin (54) and a bush (56). A spring (55) is attached to the lever arm (7) and a bracket (57).
- Right Assembly:** A lever arm (21) with a pin (18) and a bush (19). It is connected to a bracket (32) via a pin (47) and a bush (48). A spring (23) is attached to the lever arm (21) and a bracket (22).
- Other Components:** A pin (40) and a bush (42) are shown near the top assembly. A pin (43) and a bush (44) are shown near the right assembly. A pin (45) and a bush (46) are shown near the bottom assembly. A pin (48) and a bush (49) are shown near the right assembly.

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PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 59

A - Used on PA-44-180 only.

B - Used on PA-44-180 with serial numbers 44-7995001, 44-7995094 and up, and PA-44-180T.

C - Used when two or more torque shaft support shims P/N 35402-04 are installed with each torque shaft support clamp assembly.

W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
59-	86284		DRAWING - Control System Installation		
-1	62705-00		FLAP TORQUE TUBE ASSEMBLY - Complete	1	
-2	62725-00		* TORQUE TUBE - Flap	1	
-3	62789-02		* SPROCKET ASSEMBLY - Flap torque tube	1	
-4	400 011	W	* BOLT - (AN4-16A)	2	
	407 585	W	* WASHER - (AN960-416)	2	
	404 836	W	* NUT - (MS20365-428C)	2	
-5	62740-00		BUSHING - Flap lever	1	
-6	63782-04		HANDLE ASSEMBLY - Flap lever	1	
-7	63781-00		* TUBE ASSEMBLY - Flap lever	1	
-8	63391-03		* PLUNGER ASSEMBLY - Flap lever	1	
-9	63391-02		* * TUBE - Plunger	1	
-10	62733-00		* * PLUG - Plunger, upper	1	
-11	62734-02		* * PLUG - Plunger, lower	1	
-12	62736-00		* * WASHER	1	
-13	50111-00	W	* * SPRING	1	
-14	480 696	W	* * PIN - Roll (59-022-094-0625)	2	
-15	480 812	W	* PIN - Roll (52-012-062-0625)	1	
-16	63779-00		* GRIP - Flap lever	1	
-17	35402-00		CLAMP ASSEMBLY - Torque shaft support	2	
-18	62764-00		ROD ASSEMBLY - Flap tube	2	
-19	452 335	W	* BEARING - (PS10020-2-1RX RH thread)	1	
	452 336		* BEARING - (PS10020-2-1LX LH thread)	1	
-20	404 322	W	* NUT - (AN316-4R RH thread)	1	
	404 320		* NUT - (AN316-4L LH thread)	1	
-21	62764-02		* TUBE - Flap	1	
-22	63900-38		BUSHING - Flap bellcrank	2	
-23	63900-39		BUSHING - Flap rod end	2	
-24	62820-00		SPRING - Flap return	1	
-25	62821-00		SPRING - Flap cable tension	1	
-26	62858-03		CHAIN - (No. 65 diamond 1/8 roller, length 8.5")	1	
-27	62858-04		CHAIN - (No. 65 diamond 1/8 roller, length 6.0")	1	
-28	62701-101	A	CABLE ASSEMBLY - Flap	1	44-7995002 to 44-7995093 incl.
	62701-185	B	CABLE ASSEMBLY - Flap	1	
-29	62711-02		PULLEY - Flap	1	
-30	62713-02		BEARING - Outer	1	
-31	62712-02		BEARING - Inner	1	
-32	62856-00		FITTING ASSEMBLY - Left	1	
	62856-01		FITTING ASSEMBLY - Right	1	
-33	62727-00		TUBE ASSEMBLY - Flap torque tube, left	1	
	62727-01		TUBE ASSEMBLY - Flap torque tube, right	1	
-34	82732-76	W	BUSHING	1	
-35	461 136	A,W	FORK - (NAS645-22RS)	1	44-7995002 to 44-7995093 incl.
-36	489 910	W	BARREL - (MS21251-85S)	1	
-37	554 979	W	CLIP - (MS21256-1)	2	
-38	400 443	W	BOLT - (AN3-12A)	2	
	407 564	W	WASHER - (AN960-10)	2	
-39	400 652		BOLT - (AN21-8)	1	
	407 562	W	WASHER - (AN960-6)	1	
	404 391		NUT - (AN320-1)	1	
	424 041		COTTER PIN - (MS24665-5)	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
59-40	400 653		BOLT - Clevis (AN21-9)	2	
	407 562	W	WASHER - (AN960-6)	6	
	404 391		NUT - (AN320-1)	2	
	424 041		COTTER PIN - (MS24665-5)	2	
-41	400 653	A	BOLT - (AN21-9)	1	44-7995002 to 44-7995093 incl.
	404 391	A	NUT - (AN320-1)	1	44-7995002 to 44-7995093 incl.
	424 041	A	COTTER PIN - (MS24665-5)	1	44-7995002 to 44-7995093 incl.
-42	400 440	W	BOLT - (AN3-6A)	4	
	400 441	C.W	BOLT - (AN3-7A)	4	
	407 564	W	WASHER - (AN960-10)	4	
	407 564	C.W	WASHER - (AN960-10)	12	
	404 887	W	NUT - (MS20365-1032C)	4	
-43	411 538		SCREW - (MS35207-269)	2	
	404 224	W	NUT - (AN315-3R)	2	
-44	400 004	W	BOLT - (AN4-7A)	1	
	407 585	W	WASHER - (AN960-416L)	1	
	404 888	W	NUT - (MS20365-428C)	1	
-45	424 052	W	COTTER PIN - (MS24665-134)	1	
-46	400 672	A.W	BOLT - (AN23-17)	1	44-7995002 to 44-7995093 incl.
	407 564	A.W	WASHER - (AN960-10)	1	44-7995002 to 44-7995093 incl.
	404 392	A.W	NUT - (AN320-3)	1	44-7995002 to 44-7995093 incl.
	424 051	A.W	COTTER PIN - (MS24665-132)	1	44-7995002 to 44-7995093 incl.
-47	400 680		BOLT - Clevis (AN23-18)	1	
	407 564	W	WASHER - (AN960-10)	1	
	404 100	W	NUT - (AN310-3)	1	
	424 051	W	COTTER PIN - (MS24665-132)	1	
-48	401 318	W	BOLT - (AN4-20A)	4	
	407 565	W	WASHER - (AN960-416)	4	
	404 888	W	NUT - (MS20365-428C)	4	
-49	401 266	W	BOLT - (AN3-5A)	1	
	407 564	W	WASHER - (AN960-10)	1	
	404 887	W	NUT - (MS20365-1032C)	1	
-50	486 563	W	SHACKLE - (AN115-16)	1	
-51	86627-02		BRACKET - Flap lever	1	
-52	401 274	W	BOLT - (AN3-15A)	1	
	407 564	W	WASHER - (AN960-10)	2	
	404 887	W	NUT - (MS20365-1032C)	1	
-53	35669-27		PLACARD - Flap lever	1	
-54	96681-00	B	CLIP - Flap cable tension spring	1	
	96681-01	B	CLIP - Flap cable tension spring	1	
-55	62840-03	B	TURNBUCKLE - Eye	1	
-56	400 656	B	BOLT - (AN21-11)	1	
	407 562	B.W	WASHER - (AN960-6)	3	
	404 391	B	NUT - (AN320-1)	1	
	424 041	B	PIN - Cotter (MS24665-5)	1	
-57	95061-76	B	SPACER	1	
-58	400 673	B.W	BOLT - (AN23-11)	1	
	404 392	B.W	NUT - (AN320-3)	1	
	407 564	B.W	WASHER - (AN960-10)	1	
	424 051	B.W	PIN - Cotter (MS24665-132)	1	
-59	35402-04		SHIM - Torque shaft support	AR	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

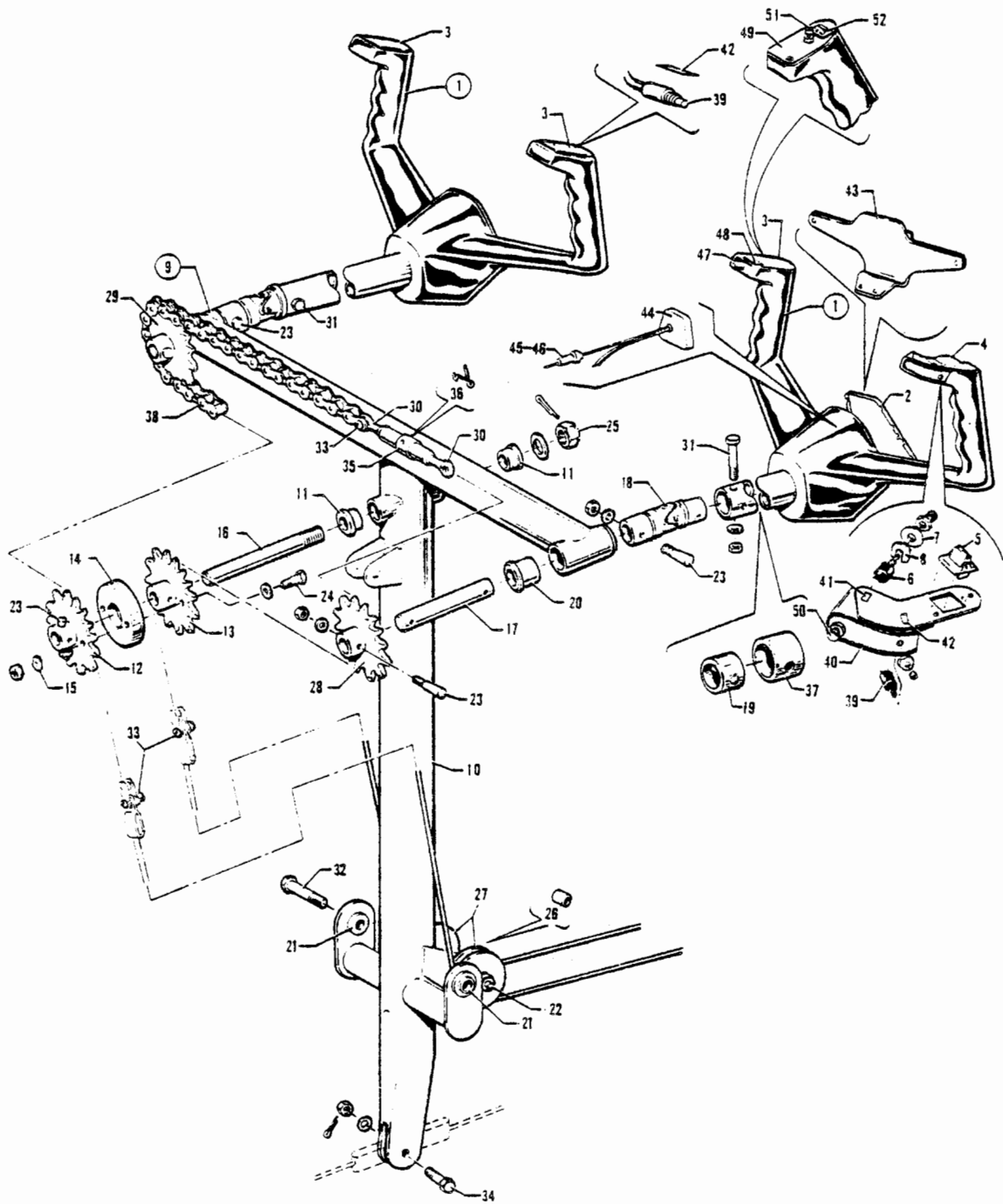


Figure 60. Control Wheel Installation

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 60

- A - Control wheel assembly does not include switches. Order desired switches separately.
- B - Used if boom mike only is installed. Also used on PA-44-180 with serial numbers 44-8195001 and up and PA-44-180T with serial numbers 44-8107027 and up if Century 41 AutoPilot is installed.
- C - Used if boom mike with electric trim and AutoFlite II is installed.
- D - Used on PA-44-180 with serial numbers 44-8195001 and up, and PA-44-180T with serial numbers 44-8107027 and up.
- E - Used if remote transponder identification switch is installed on right grip of control wheel.
- F - Used if remote transponder identifier is installed.
- G - Used if Century 41 AutoPilot is installed.
- W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
60-	86284		DRAWING - Control System Installation		
-1	79276-00	A	WHEEL ASSEMBLY - Control (left grip cored)	2	
	79276-872	A,D,E	WHEEL ASSEMBLY - Control (both grips cored)	2	
-2	79275-00		* MEDALLION - Piper	1	
-3	87491-00		* PLATE - Control wheel cover (standard)	2	
-4	79652-03		SWITCH ASSEMBLY - Electric trim	1	
-5	587 862	B	* SWITCH - Manual electric trim (1C670)	1	
-6	762 226	B	* SWITCH - Trim interrupt A/P disconnect (40S77)	1	
-7	15660-02	B,W	ADAPTER - Trim interrupt A/P disconnect switch	1	
-8	15661-02	B,W	ADAPTER - Trim interrupt A/P disconnect switch	1	
-9	62019-03		CONTROL COLUMN ASSEMBLY	1	
-10	62703-33		* TEE BAR ASSEMBLY - Control column	1	
-11	452 372	W	* * BEARING - (F504-2)	2	
-12	63404-00		* SPROCKET - Aileron control	1	
-13	62778-00		* SPROCKET - Aileron control	1	
-14	62782-00		* SPACER - Aileron control sprocket	1	
-15	62784-00		* WASHER - Aileron control sprocket	2	
-16	69077-00		* SHAFT - Aileron control sprocket	1	
-17	62716-07		* SHAFT - Aileron control sprocket	2	
-18	62834-02		* UNIVERSAL JOINT	2	
-19	68557-00		* BUSHING - Control column	2	
-20	452 389		* BUSHING - (F825-2)	4	
-21	452 388		* BEARING - (F4DD)	2	
-22	401 333	W	* BOLT - (AN4-35A)	1	
	407 565	W	* WASHER - (AN960-416)	4	
	404 888	W	* NUT - (MS20365-428C)	1	
-23	480 730		* PIN - (AN386-1-6A)	5	
	494 093		* WASHER - (AN975-3)	5	
	404 835	W	* NUT - (MS20364-1032C)	5	
-24	401 269	W	* BOLT - (AN3-10A)	2	
	407 584	W	* WASHER - (AN960-10L)	2	
	407 564	W	* WASHER - (AN960-10)	2	
	404 887	W	* NUT - (MS20365-1032C)	2	
-25	407 568	W	* WASHER - (AN960-716)	1	
	404 104	W	* NUT - (AN310-7)	1	
	424 060	W	* COTTER PIN - (AN380-3-4)	1	
-26	62712-04		* BUSHING - Aileron control pulley, inner	2	
-27	481 651	W	* PULLEY - Aileron control (MS20220-1)	2	
-28	62839-00		* SPROCKET ASSEMBLY - Aileron control	1	
-29	62845-02		* SPROCKET - Aileron control	1	
-30	62840-02		EYE BOLT - Turnbuckle, left	1	
	62840-03		EYE BOLT - Turnbuckle, right	1	
-31	66546-00		BOLT - Special	4	
	407 584	W	WASHER - (AN960-10L)	4	
	404 835	W	NUT - (MS20364-1032C)	4	
-32	401 310	W	BOLT - (AN4-10A)	2	
	62833-85		WASHER - Control column attachment, left	2	
	62833-86		WASHER - Control column attachment, right	2	
	404 888	W	NUT - (MS20365-428C)	2	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
60-33	400 653		BOLT - (AN21-9)	4	
	82732-76	W	BUSHING	4	
	404 391		NUT - (AN320-1)	4	
	424 041		COTTER PIN - (MS24665-5)	4	
-34	400 056	W	BOLT - (AN3-11)	1	
	407 564	W	WASHER - (AN960-10)	1	
	404 392	W	NUT - (AN320-3)	1	
	424 051	W	COTTER PIN - (MS24665-132)	1	
-35	489 910	W	TURNBUCKLE - (MS21251-85S)	1	
-36	554 979	W	CLIP - (MS21256-1)	2	
-37	67193-03		STOP - Tee bar, left	1	
-38	62856-02		CHAIN - Aileron control	2	
-39	487 904	W	SWITCH - Boom mike (39-1)	2	
-40	37729-02	C	BRACKET ASSEMBLY - Switch	1	
-41	35669-16		PLACARD - A/P INTR.	1	
-42	35669-17		PLACARD - Mike	2	
-43	67984-02	W	CLIP ASSEMBLY - Map	1	
-44	548 561	D	COVER - Control wheel (AT 4210PO)	1	
-45	465 258	D	FUSEHOLDER - (155020)	1	
-46	461 629	D	FUSE - (311005)	1	
-47	487 904	D.W	SWITCH - Remote transponder identifier (39-1)	1	
-48	35669-188	D	PLACARD - Transponder identifier	1	
-49	67491-03	B	PLATE - Control wheel cover, right	1	
-50	67463-03	D.F	SWITCH ASSEMBLY - Century 41 AutoPilot	1	
-51	67463-02	D.G	SWITCH ASSEMBLY - Century 41 AutoPilot	1	
-52	87369-16	D.G	PLACARD - Pitch sync	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

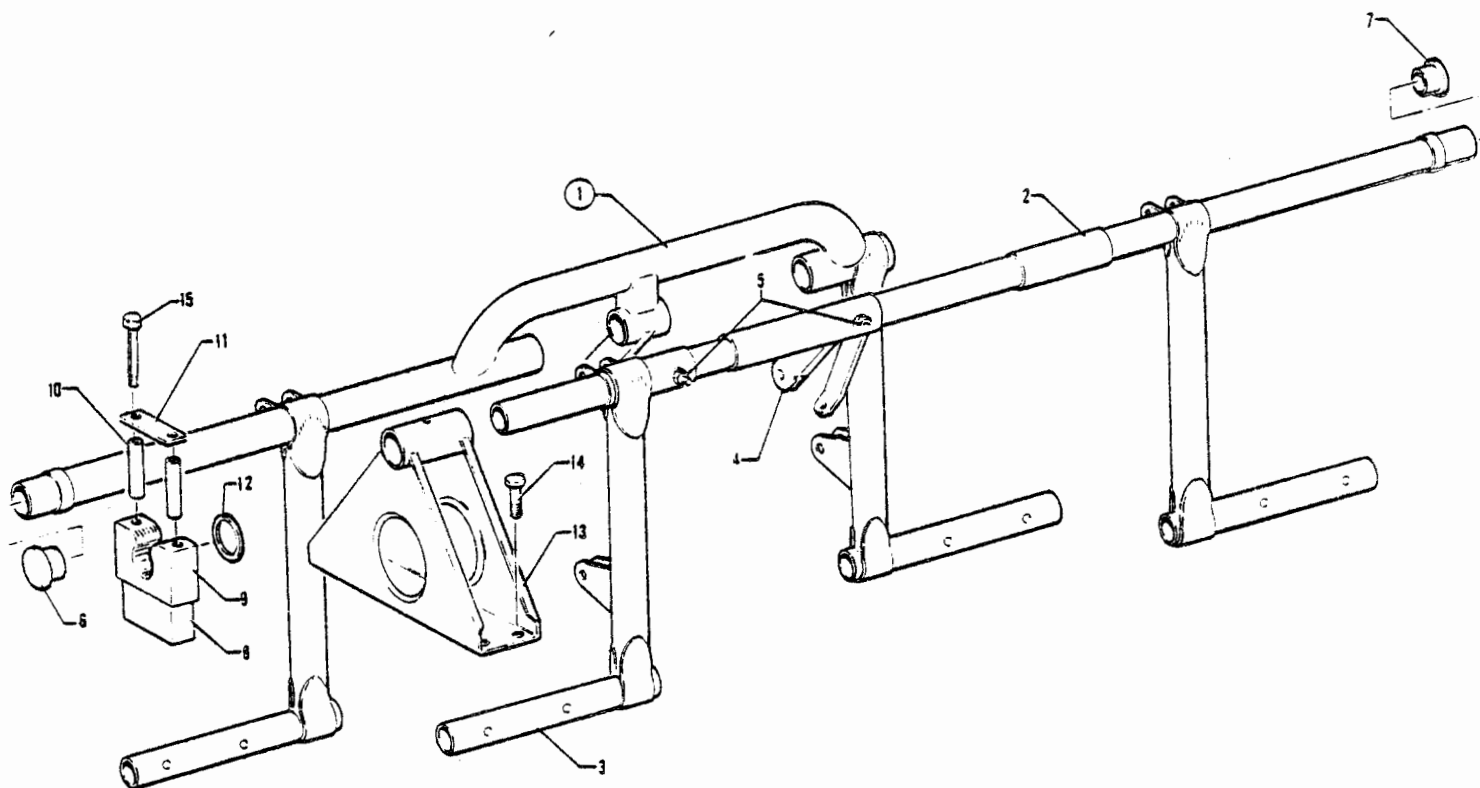


Figure 61. Rudder Pedal Installation

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 61

W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
61-	86284		DRAWING - Control System Installation		
-1	63420-11		BAR ASSEMBLY - Rudder control, left	1	
-2	63419-04		BAR ASSEMBLY - Rudder control, right	1	
-3	63458-08		TUBE ASSEMBLY - Rudder control	1	
-4	86754-02		ARM ASSEMBLY - Rudder control	1	
-5	402 314		BOLT - (AN174-13A)	2	
	407 585	W	WASHER - (AN960-416)	4	
	404 836	W	NUT - (MS20364-428C)	2	
-6	581 330		PLUG - Rudder pedal assembly	1	
-7	581 332		PLUG - Rudder pedal assembly	1	
-8	63456-00		BLOCK - Rudder bar support, bottom	2	
-9	65050-00		BLOCK - Rudder bar support, top	2	
-10	65003-03		BUSHING - Rudder bar support	4	
-11	63455-00		PLATE - Rudder bar support	6	
-12	62833-17		WASHER - Rudder bar support	2	
-13	63451-00		SUPPORT ASSEMBLY - Rudder bar	1	
-14	400 438	W	BOLT - (AN3-4A)	4	
-15	400 456	W	BOLT - (AN3-31A)	4	
	404 887	W	NUT - (MS20365-1032C)	4	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

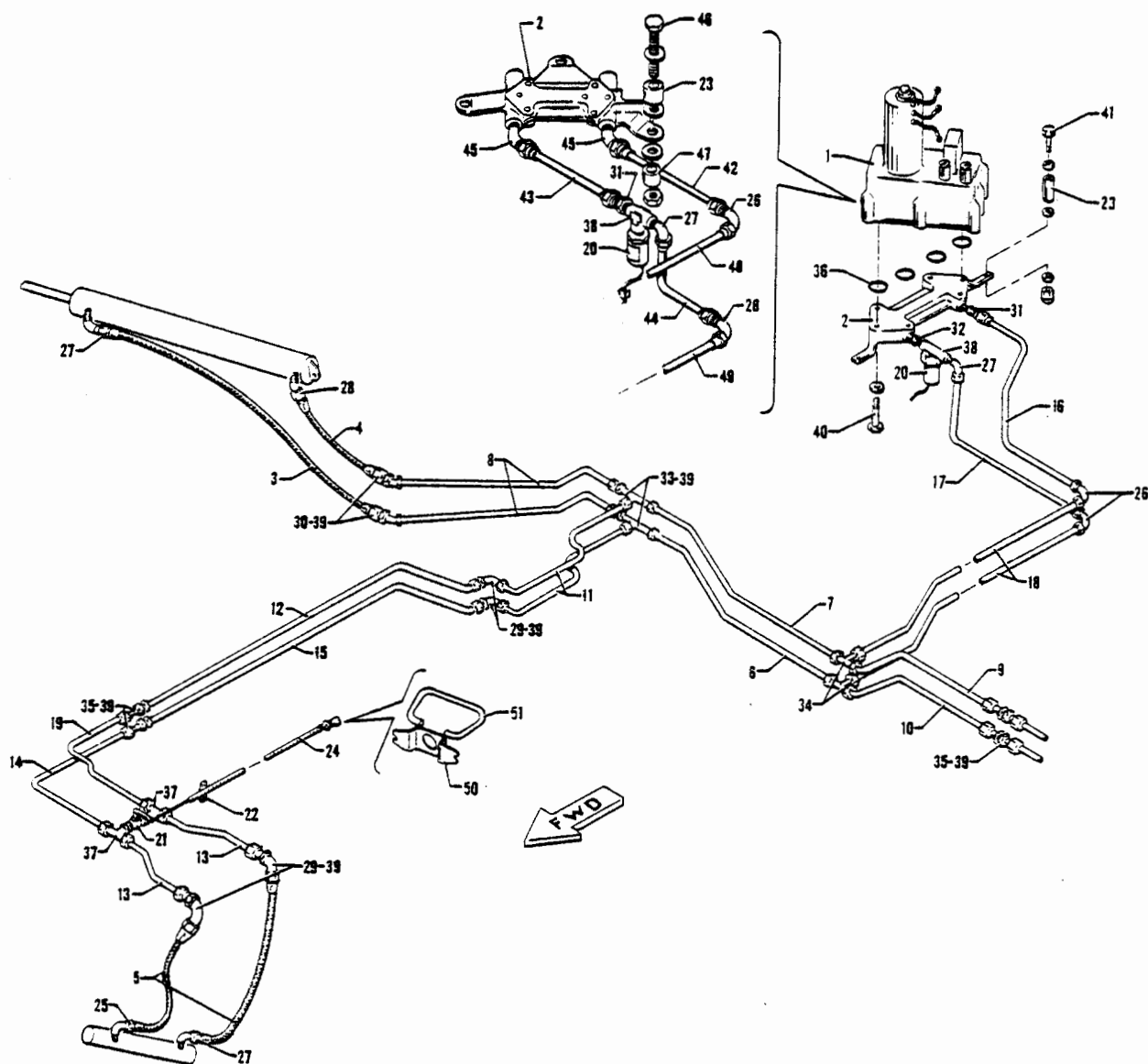


Figure 62. Hydraulic System Installation

REVISED: MARCH 1980

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PA-44-180
PA-44-180T

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 62

- A - Used on PA-44-180 only.
- B - Used on PA-44-180 with serial numbers 44-8095027 and up, and PA-44-180T.
- C - Used on PA-44-180 with serial numbers 44-7995004 and up, and PA-44-180T.
- W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
62-	86208		DRAWING - Hydraulic Landing Gear Installation		
-1	96671-02		PUMP ASSEMBLY - Hydraulic	1	
-1a	87369-22		* PLACARD - Hydraulic fluid spec.	1	
-2	96902-00		MOUNT ASSEMBLY - Hydraulic pump	1	
-3	63901-21		HOSE ASSEMBLY - Main gear cylinder	2	
-4	63901-30		HOSE ASSEMBLY - Main gear cylinder	2	
-5	63901-30		HOSE ASSEMBLY - Nose gear cylinder	2	
-6	86238-13		TUBE ASSEMBLY - Main gear, bottom	1	
-7	86238-15		TUBE ASSEMBLY - Main gear, top	1	
-8	86238-17	A	TUBE ASSEMBLY - Main gear	4	44-7995001 to 44-8095026 incl.
	86238-80	B	TUBE ASSEMBLY - Main gear	4	
-9	86238-18		TUBE ASSEMBLY - Main gear, top	1	
-10	86238-19		TUBE ASSEMBLY - Main gear, bottom	1	
-11	86238-20		TUBE ASSEMBLY - Nose gear	2	
-12	86238-21		TUBE ASSEMBLY - Nose gear, top	1	
-13	86238-22		TUBE ASSEMBLY - Nose gear	2	
-14	86238-24		TUBE ASSEMBLY - Nose gear	1	
-15	86238-26		TUBE ASSEMBLY - Nose gear, bottom	1	
-16	86238-29	A	TUBE ASSEMBLY - Hydraulic pump	1	44-7995001 to 44-7995003 incl.
-17	86238-30	A	TUBE ASSEMBLY - Hydraulic pump	1	44-7995001 to 44-7995003 incl.
-18	86238-31	A	TUBE ASSEMBLY - Hydraulic pump	2	44-7995001 to 44-7995003 incl.
-19	86238-38		TUBE ASSEMBLY - Nose gear	1	
-20	587 847		SWITCH ASSEMBLY - Pressure (211C243-12)	1	
-21	492 303		VALVE - (P100-717)	1	
-22	66853-00		CLAMP - Cable	1	
-23	65003-30		BUSHING	3	
-24	63902-29		CABLE ASSEMBLY - Control	1	
-25	67524-00		ELBOW - Restricted	1	
-26	458 880	W	ELBOW - (AN821-4D)	2	
-27	458 894	W	ELBOW - (AN822-4D)	4	
-28	458 891	W	ELBOW - (AN823-4D)	2	
-29	458 900	W	ELBOW - (AN833-4D)	4	
-30	458 910	W	ELBOW - (AN837-4D)	4	
-31	476 648	W	NIPPLE - (AN816-4D)	1	
-32	476 643	A,W	NIPPLE - (AN911-1D)	1	44-7995001 to 44-7995003 incl.
-33	488 311		TEE - (AN804-4D)	2	
-34	488 383		TEE - (AN834-4D)	2	
-35	491 060	W	UNION - (AN832-4D)	4	
-36	484 788		"O" RING - (MS28775-012)	4	
-37	488 499		TEE - (AN825-4D)	2	
-38	488 474	W	TEE - (AN917-1D)	1	
-39	477 618	W	NUT - (AN924-4D)	16	
	407 568	W	WASHER - (AN960-716)	16	
-40	401 300		BOLT - (AN4H-13A)	4	
	407 585	W	WASHER - (AN960-416L)	4	
-41	400 440	A,W	BOLT - (AN3-6A)	3	44-7995001 to 44-7995003 incl.
	407 564	A,W	WASHER - (AN960-10)	9	44-7995001 to 44-7995003 incl.
	404 887	A,W	NUT - (MS20365-1032C)	3	44-7995001 to 44-7995003 incl.
-42	86238-57	C	TUBE ASSEMBLY - Hydraulic pump	1	
-43	86238-56	C	TUBE ASSEMBLY - Hydraulic pump	1	
-44	86238-58	C	TUBE ASSEMBLY - Hydraulic pump	1	
-45	458 891	C,W	ELBOW - (AN823-4D)	2	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
62-46	400 443	C,W	BOLT - (AN3-12A)	3	
	494 192	C	WASHER - (5712-45)	18	
-47	65003-21	C	BUSHING	3	
-48	86238-31	C	TUBE ASSEMBLY - Hydraulic pump	1	
-49	86238-59	C	TUBE ASSEMBLY - Hydraulic pump	1	
-50	96166-00		CLIP - Retainer	1	
-51	96167-00		RETAINER	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

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PA-44

SEMINOLE

PARTS CATALOG

CARD 2 OF 2

PA-44-180

PA-44-180T

PIPER AIRCRAFT CORPORATION

PIPER PARTS CATALOG

AEROFICHE EXPLANATION

The Parts Catalog information incorporated in this set of Aerofiche cards has been arranged in accordance with the general specifications of Aerofiche adopted by the General Aircraft Manufacturer's Association.

Conversion of Aerofiche alpha/numeric code numbers:

First number is the Aerofiche card identifier.

Letter is the horizontal line reference per card.

Second number is the vertical line reference per card.

Example: 2J16 = Aerofiche card number two of given set. Grid location J16.

To aid in locating the various sections and related information desired, the following is provided:

A complete Catalog Table of Contents is given at Grid 1A8 of Aerofiche card number 1 of this set. Each additional card in this set will have a Table of Contents for all sections on that particular card. This table will start at Grid A3.

REVISIONS

The information compiled in this Aerofiche Parts Catalog will be kept current by revisions distributed periodically. These revisions will supersede all previous revisions and will be complete Aerofiche card replacements and shall supersede Aerofiche cards of the same number in the set.

Current Revisions to this PA-44-180 and PA-44-180T Parts Catalog issued April 28, 1978 are as follows:

761 663 (PR790206).....	Dated February 1979
761 663 (PR790815).....	Dated August 1979
761 663 (PR800310).....	Dated March 1980
761 663 (PR800815).....	Dated August 1980
761 663 (PR810420).....	Dated April 1981
761 663 (PR810812).....	Dated August 1981
761 663 (PR820110).....	Dated January 1982

NOTE: Refer to the last card of the Piper-Parts Price List-Aerofiche for a check list of current revision dates and card effectivities for this parts catalog.

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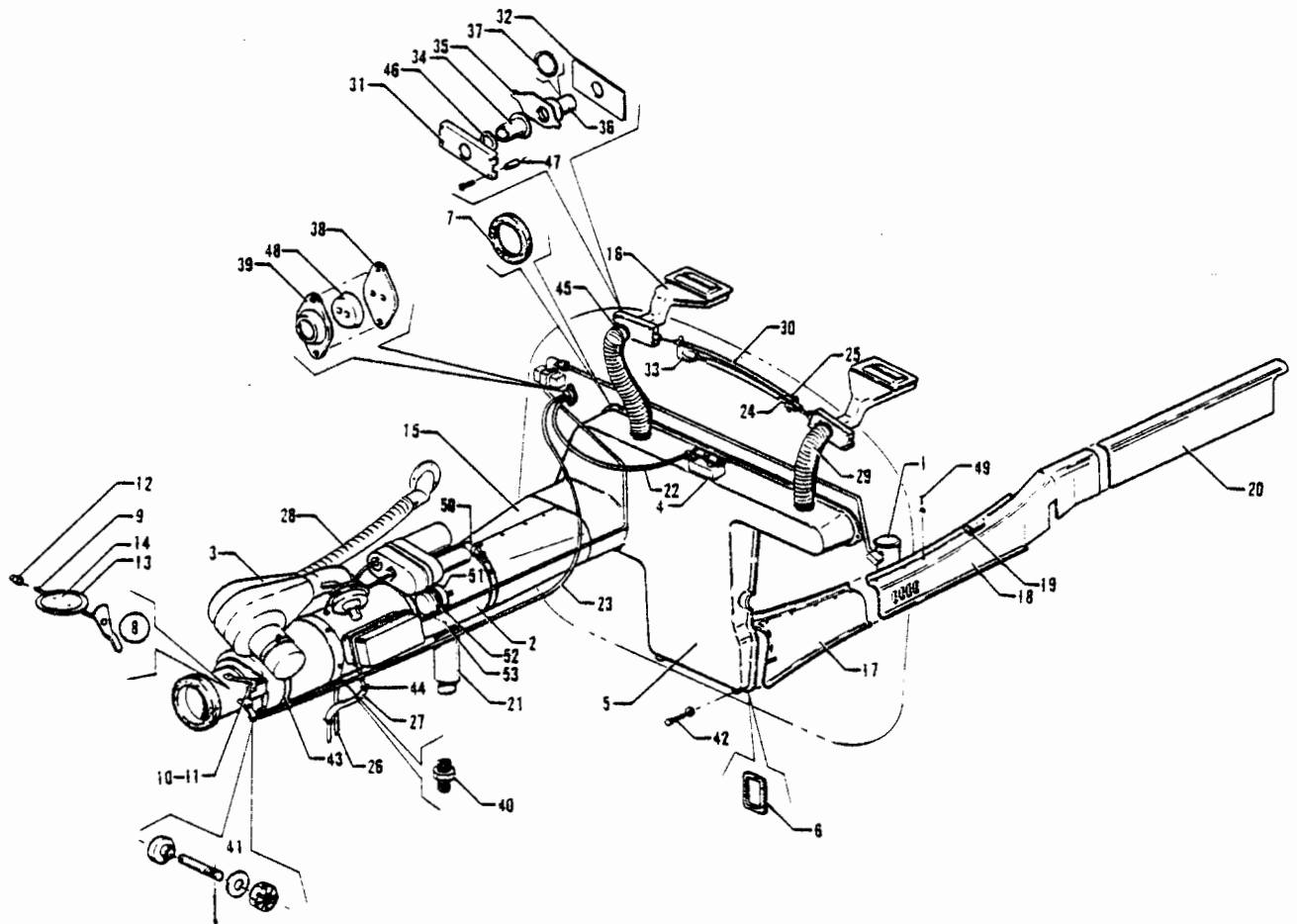


Figure 63. Heat and Defrost System Installation

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2A5

PA-44-180
PA-44-180T

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 63

- A - See Figure 66 for component parts.
- B - See Figure 64 for component parts.
- C - See Figure 65 for component parts.
- D - Used on PA-44-180 with serial numbers 44-8195002 and up, and PA-44-180T with serial numbers 44-8107035 and up. Also used on PA-44-180 with serial numbers 44-7995001 to 44-8195001 inclusive and PA-44-180T with serial numbers 44-8107001 to 44-8107034 inclusive if Janitrol Heater Hour Meter Installation Kit 764 094 has been installed per Service Spares Letter 380.
- W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
63-	86193 86679		DRAWING - Janitrol Heater Installation DRAWING - Defroster System Installation		
-1		A	HEATER FUEL SYSTEM INSTALLATION		
-2	464 427	B	JANITROL HEATER ASSEMBLY - (90D38-2)	1	
-3	452 955	C	COMBUSTION AIR BLOWER AND MOTOR ASSEMBLY - (90D39-1)	1	
-4	757 573	C,W	SWITCH ASSEMBLY - Adjustable duct (52D43)	1	
-5	86430-02		MANIFOLD ASSEMBLY - Janitrol heater	1	
-6	86430-04		* SEAL - Lower	2	
-7	86430-05		* SEAL - Upper	2	
-8	86195-02		VALVE ASSEMBLY - Heater air inlet	1	
-9	86195-11		* SHAFT ASSEMBLY - Air inlet	1	
-10	487 925	W	* SWITCH - (V3-1)	2	
-11	451 827		* ACTUATOR - (JV-82)	1	
-12	453 732	W	* BUSHING - (PS10064-375-4)	2	
-13	86195-09		* SEAL - Valve	2	
-14	86195-10		* BUTTERFLY - Valve	2	
-15	86672-02		DUCT ASSEMBLY - Heater	1	
-16	79615-02		DUCT ASSEMBLY - Defroster air, left	1	
	79615-03		DUCT ASSEMBLY - Defroster air, right	1	
-17	76219-00		DUCT ASSEMBLY - Cabin heat, front, left	1	
	76219-01		DUCT ASSEMBLY - Cabin heat, front, right	1	
-18	99416-08		DUCT ASSEMBLY - Cabin heat, center, left	1	
	99416-09		DUCT ASSEMBLY - Cabin heat, center, right	1	
-19	66980-00		* KNOB - Heat duct	1	
-20	76129-03		DUCT - Cabin heat, rear, left	1	
	76129-04		DUCT - Cabin heat, rear, right	1	
-21	78444-00		SHROUD - Exhaust	1	
-22	554 375		CABLE ASSEMBLY - Switch control (PS50146-4-2)	1	
-23	554 484		CABLE ASSEMBLY - Air inlet (PS50146-4-5)	1	
-24	554 143		CABLE ASSEMBLY - Defroster control (PS50146-6-2)	1	
-25	554 144		CABLE ASSEMBLY - Defroster (PS50146-6-1)	1	
-26	86671-02		LINE ASSEMBLY - Heater fuel drain	1	
-27	86193-03		TUBE - Drain	1	
-28	78442-03		TUBING - Air inlet (14.90" L)	1	
	78442-04		TUBING - Air inlet (7.25" L)	1	
-29	63633-61		HOSE - Defrost duct	2	
-30	63882-31		SLEEVE - Control cables	2	
-31	69273-00		HOUSING - Defroster valve	2	
-32	69274-00		PLATE - Defroster valve	2	
-33	69275-00		CLAMP - Defroster cable	1	
-34	69279-00		TUBE - Defroster valve	4	
-35	67705-00		GATE - Defroster valve	2	
-36	65318-00		OUTLET - Defroster air	2	
-37	484 841	W	"O" RING - (NAS1593-213)	2	
-38	68771-02		GASKET - Firewall	1	
-39	66789-00		PLATE - Firewall	2	
-40	476 686	W	NIPPLE - (AN816-4)	1	
-41	70371-02	W	FITTING - Swivel	2	
	70371-03	W	STUD - Swivel fitting	2	
	81342-18		WASHER - Swivel fitting	2	
	404 392	W	NUT - (AN320-3)	2	
	424 051	W	COTTER PIN - (MS24665-132)	2	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
63-42	401 266	W	BOLT - (AN3-5A)	4	
	407 800	W	WASHER - (AN970-3)	4	
	407 564	W	WASHER - (AN960-10)	4	
	404 887	W	NUT - (MS20365-1032C)	4	
-43	554 848	W	CLAMP - (SAE TY F-96SS)	2	
-44	454 833	W	CLAMP - (SAE TY E-6)	2	
-45	454 985	W	CLAMP - (SAE TY A-1)	6	
-46	494 123		WASHER - Spring (35)	2	
-47	65003-43		BUSHING	8	
-48	68770-09		GROMMET - Firewall	2	
-49	419 681		SCREW - (PS10012-4)	38	
	494 001	W	WASHER - (MS27129-1)	38	
-50	36517-02		CLAMP - Heater	1	
-51	548 579	D	INDICATOR - Heater hour meter (3000-00005)	1	
-52	654 104	D	CLAMP - (MS21919-DG32)	2	
-53	415 533	D,W	SCREW - (MS35206-243)	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

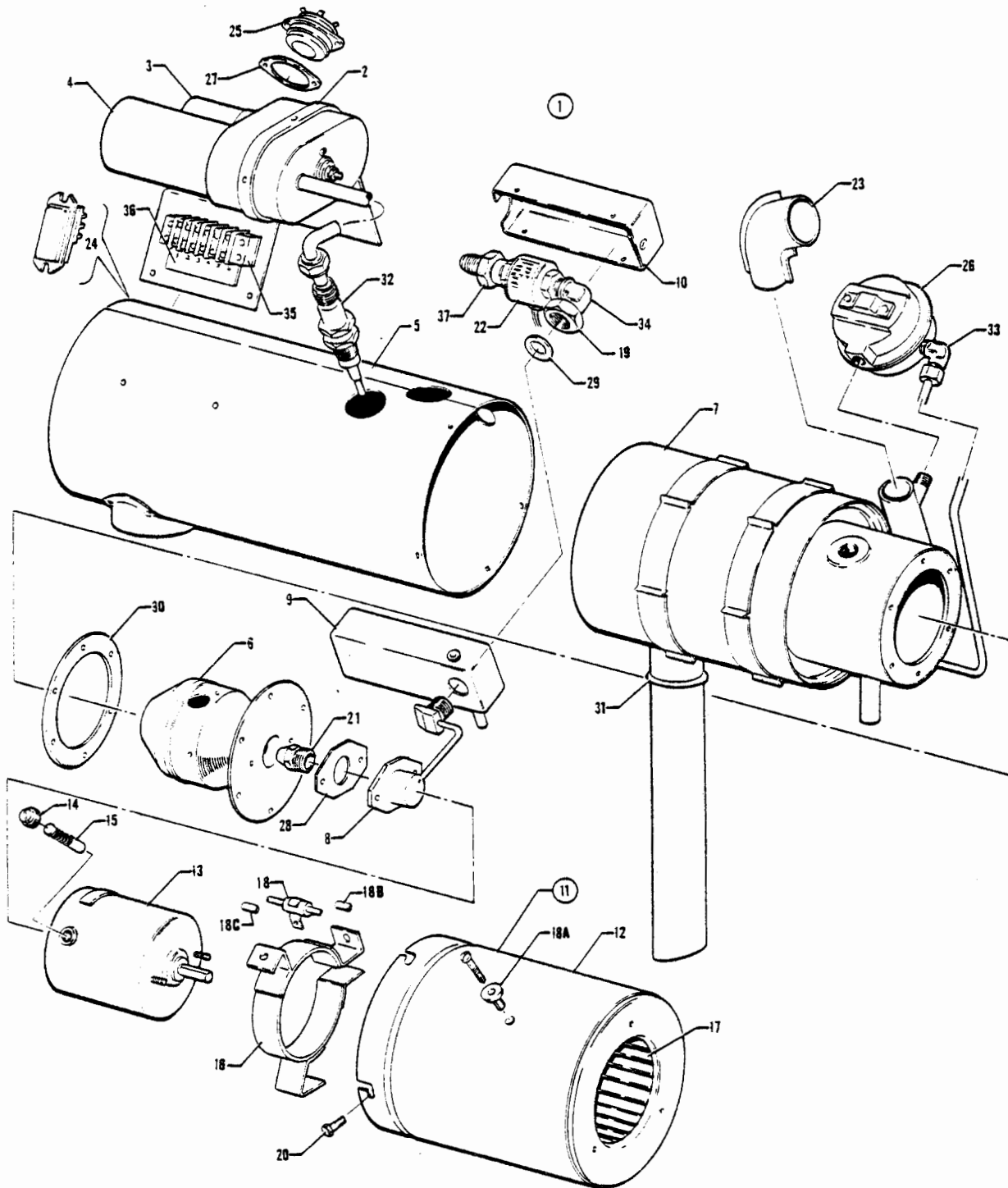


Figure 64. Janitrol Heater Assembly

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 64

W - These parts must be ordered from Service Soares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
64-1	464 427		HEATER ASSEMBLY - (90D38-2) 45,000 BTU	1	
-2	755 456	W	* IGNITION ASSEMBLY	1	
-3	756 577	W	* * VIBRATOR - Ignition (solid state)	1	
-4	757 982	W	* * COIL - Ignition	1	
-5	752 136		* JACKET ASSEMBLY	1	
-6	755 243	W	* HEAD ASSEMBLY - Combustion	1	
-7	761 945		* TUBE ASSEMBLY - Combustion	1	
-8	754 833	W	* FUEL FEED AND NOZZLE HOLDER ASSEMBLY	1	
-9	758 299	W	* BOX ASSEMBLY - Fuel shroud, lower	1	
-10	758 300	W	* BOX - Fuel shroud, upper	1	
-11	758 303	W	* BLOWER ASSEMBLY - Vent air	1	
-12	755 255	W	* * HOUSING - Blower	1	
-13	761 606		* * MOTOR ASSEMBLY - Vent air blower	1	
-14	753 392	W	* * * CAP - Brush assembly	2	
-15	753 391	W	* * * BRUSH ASSEMBLY - Motor	2	
-16	758 305	W	* * BRACKET ASSEMBLY - Motor	1	
-17	753 201	W	* * FAN - Vent air blower	1	
-18	758 013	W	* * CAPACITOR ASSEMBLY	1	
-18a	754 847	W	* * FASTENER	3	
	757 799	W	* * SCREW	3	
-18b	762 455	W	* * SLEEVE - High temperature	1	
-18c	762 456	W	* * SLEEVE - High temperature	1	
-19	752 563	W	* NUT - (MS35691-45)	1	
-20	754 811	W	* FASTENER	4	
-21	752 529		* NOZZLE - Fuel	1	
-22	757 792	W	* SOLENOID ASSEMBLY - Fuel	1	
-23	763 035		* ADAPTER - Elbow	1	
-24	756 178	W	* SWITCH - Cycling	1	
-25	756 177	W	* SWITCH - Limit	1	
-26	757 756	W	* SWITCH - Pressure	1	
-27	751 874	W	* GASKET - Limit switch	2	
-28	751 922	W	* GASKET	1	
-29	755 022	W	* GASKET	1	
-30	751 920	W	* GASKET	1	
-31	751 877	W	* GASKET - Asbestos	1	
-32	757 334	W	* PLUG - Spark	1	
-33	754 771	W	* ELBOW	1	
-34	754 779		* ELBOW	1	
-35	761 946	W	* STRIP - Terminal	1	
-36	755 401	W	* INSULATOR - Terminal strip	1	
-37	755 615	W	* NIPPLE	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

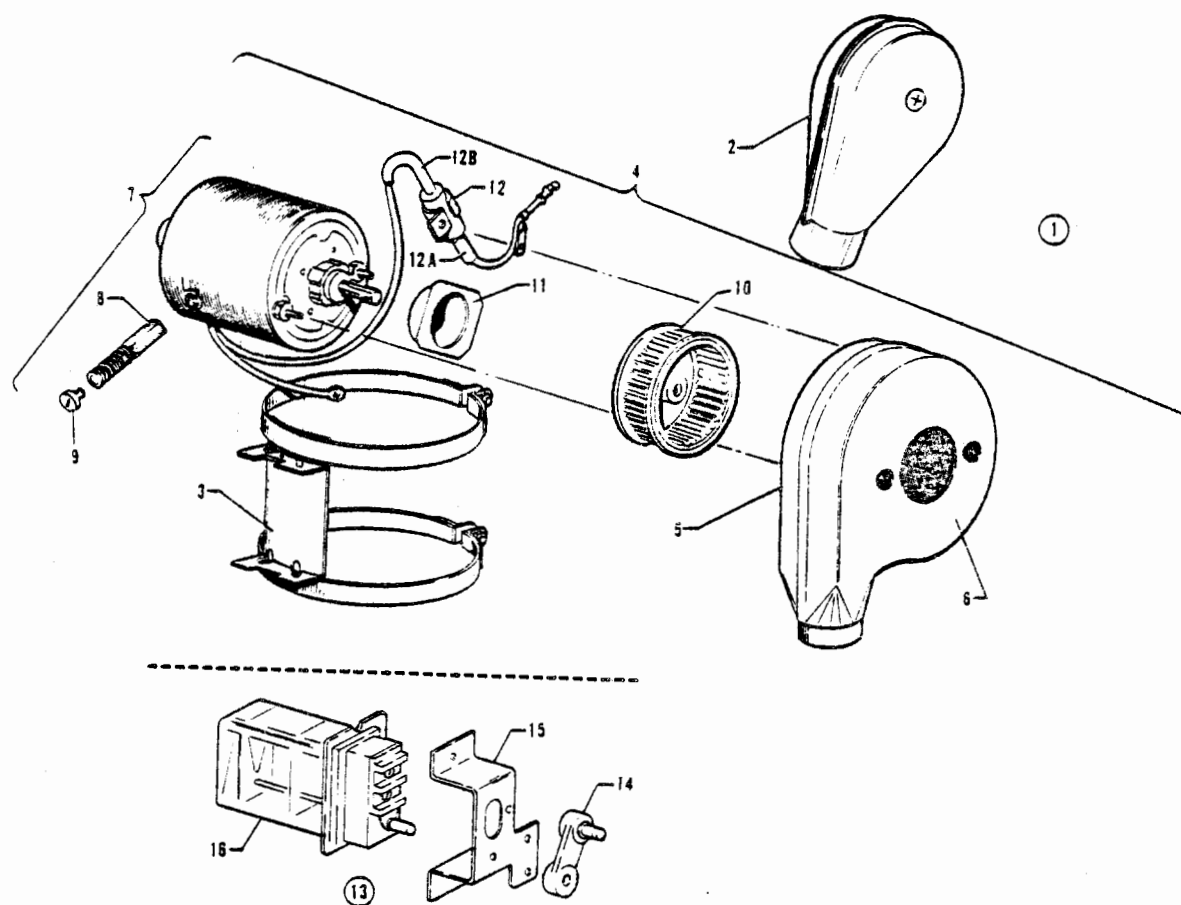


Figure 65. Janitrol Heater Components

REVISED: APRIL 1981

2A12

PA-44-180
PA-44-180T

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 65

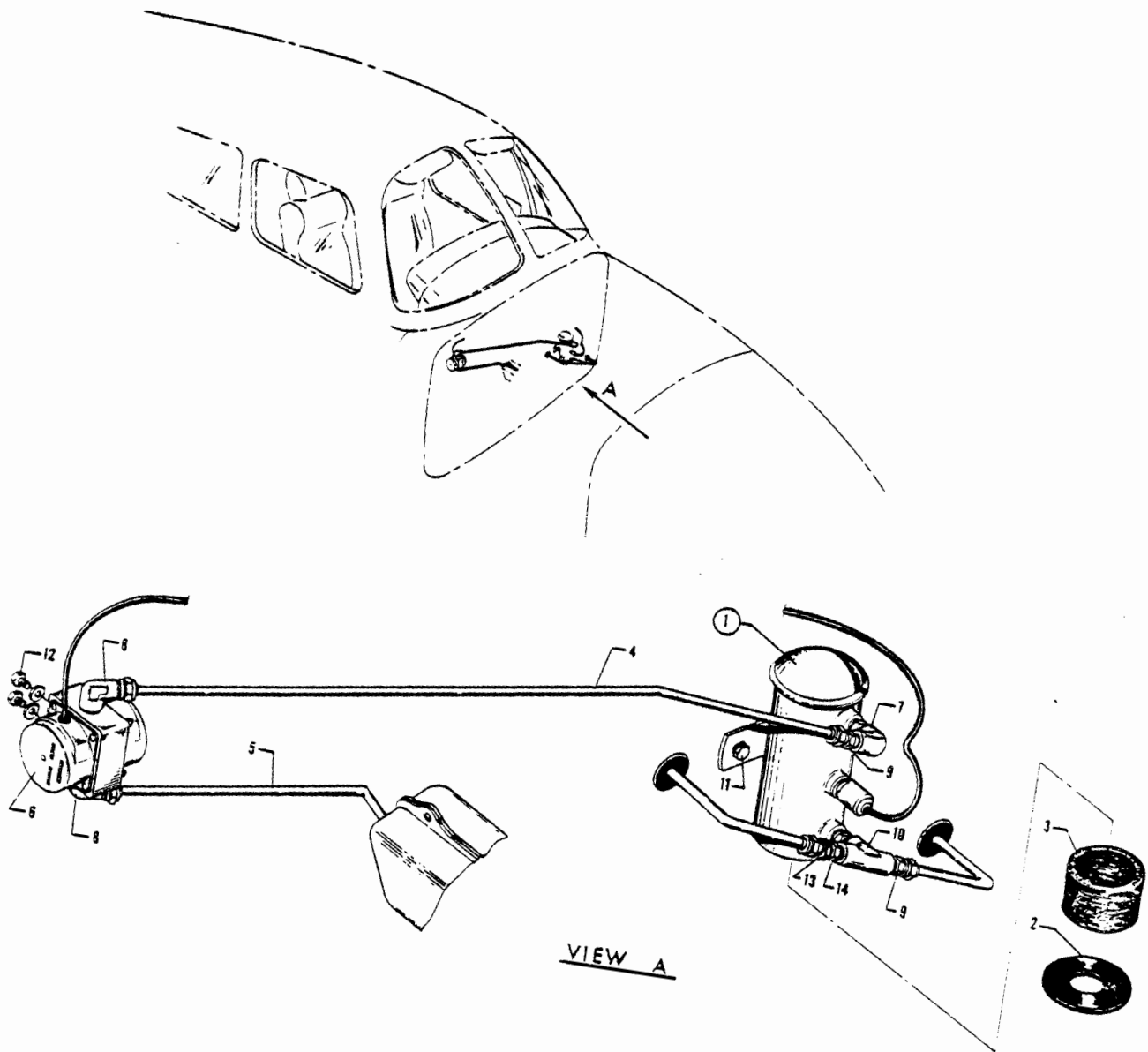
W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
65-1	452 955		COMBUSTION AIR BLOWER AND MOTOR ASSEMBLY - (90D39-1)	1	
-2	751 332	W	* ADAPTER ASSEMBLY - Blower inlet	1	
-3	761 605		* MOUNT - Combustion air blower support	1	
-4	758 017		* COMBUSTION AIR BLOWER AND MOTOR	1	
-5	755 252	W	* * HOUSING - Blower (motor attachment half)	1	
-6	755 253	W	* * HOUSING - Blower (blower inlet adapter attachment half)	1	
-7	761 606		* * MOTOR ASSEMBLY - Combustion air blower	1	
-8	753 391	W	* * * BRUSH ASSEMBLY	2	
-9	753 392	W	* * * CAP - Brush assembly	2	
-10	751 817	W	* * FAN - Combustion air blower	1	
-11	756 184	W	* * SPACER	1	
-12	758 013	W	* * CAPACITOR	1	
-12a	762 455	W	* * SLEEVE - High temperature	1	
-12b	762 456	W	* * SLEEVE - High temperature	1	
-13	757 573	W	SWITCH ASSEMBLY - Adjustable duct (250°) (52D43)	1	
-14	752 367	W	* LEVER - Switch	1	
-15	758 127	W	* BRACKET ASSEMBLY - Switch	1	
-16	756 262	W	* SWITCH - Adjustable duct	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG



REVISED: AUGUST 1980

Figure 66. Heater Fuel System Installation

2A15

PA-44-180
PA-44-180

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 66

A - Used on PA-44-180 only.

B - Used on PA-44-180 with serial numbers 44-8095001 and up, and PA-44-180T

W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
66-	86193		DRAWING - Janitrol Heater Installation		
-1	481 701		PUMP ASSEMBLY - Heater fuel (480543)	1	
-2	751 872	W	* GASKET - Cover (479136)	1	
-3	751 799	W	* SCREEN - Filter (479135)	1	
-4	86238-45		TUBE ASSEMBLY - Heater fuel	1	
-5	86238-46		TUBE ASSEMBLY - Heater fuel	1	
-6	484 180		FUEL REGULATOR AND SHUTOFF VALVE - (23D04)	1	
-7	558 793		ELBOW - (AN916-2D)	1	
-8	458 894	W	ELBOW - (MS20822-4D)	2	
-9	476 679	W	NIPPLE - (AN816-4-4D)	2	
-10	488 322	A	TEE - (AN917-2D)	1	
	558 793	B	ELBOW - (AN916-2D)	1	
-11	400 002	W	BOLT - (AN4-5A)	2	
	407 565	W	WASHER - (AN960-416)	2	
-12	401 264	W	BOLT - (AN3H-4A)	2	
	407 564	W	WASHER - (AN960-10)	2	
-13	476 696	A,W	NIPPLE - (AN818-2)	1	
-14	453 680	A	REDUCER - (AN912-1C)	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

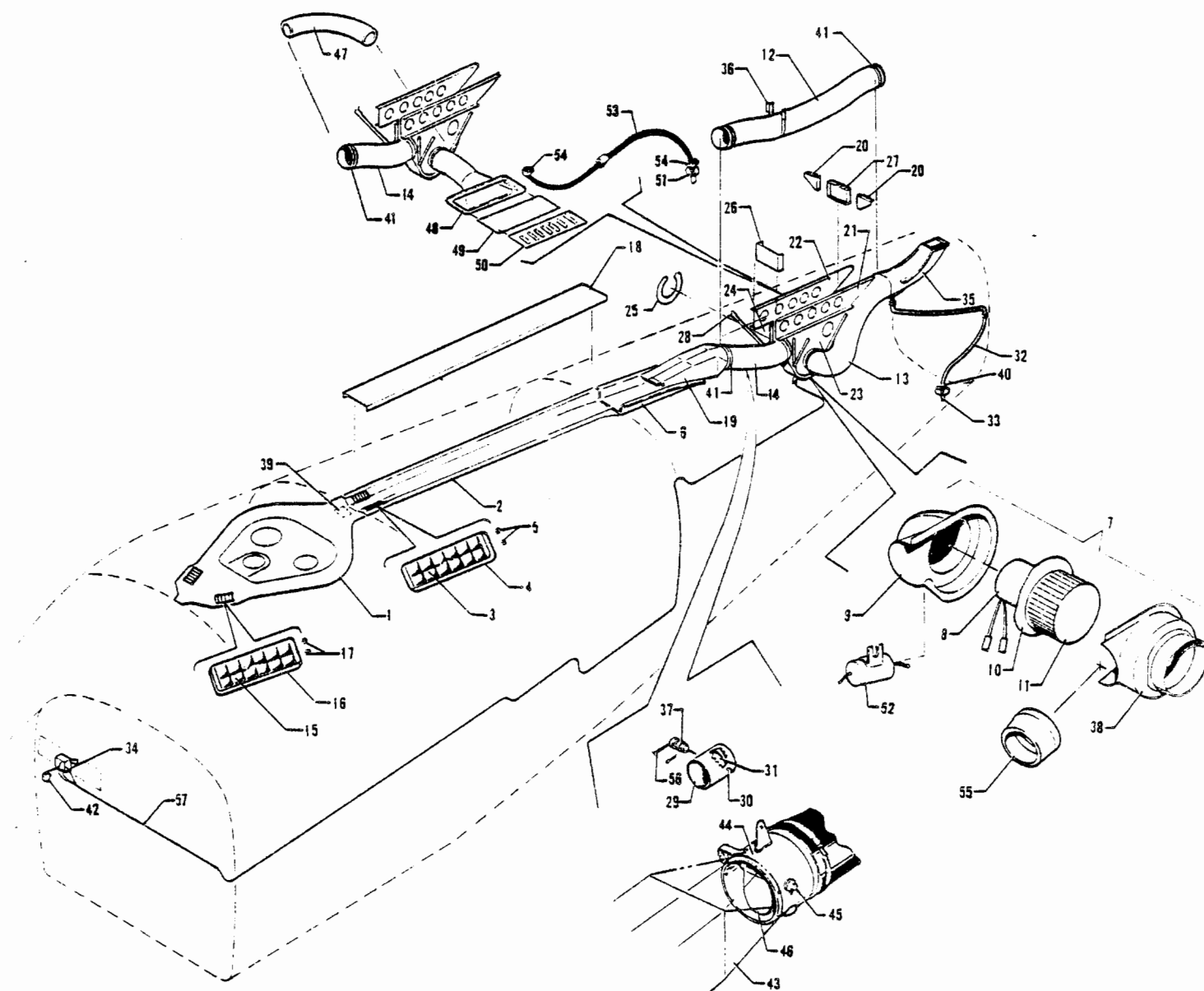


Figure 67. Fresh Air Ventilation Installation

REVISED: AUGUST 1981

2A18

PA-44-180
PA-44-180T

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 67

- A - Used on PA-44-180 only.
- B - Used on PA-44-180 with serial numbers 44-8095001 and up, and PA-44-180T.
- C - See Figure 67E if fixed oxygen system is installed on PA-44-180T.
- W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
67-	76304	A	DRAWING - Fresh Air Ventilation System Installation		44-7995001 to 44-7995353 incl.
	79853	B	DRAWING - Fresh Air Ventilation System Installation		
	79273	A	DRAWING - Blower Ventilation Installation		44-7995001 to 44-7995353 incl.
	79278	A	DRAWING - Ram Air Ventilation Installation		44-7995001 to 44-7995353 incl.
	36983	B	DRAWING - Ram Air and Blower Ventilation Installation		
-1	99500-11	A	PANEL ASSEMBLY - Ventilation (less speaker and light holes)	1	44-7995001 to 44-7995353 incl.
	99500-08	A	PANEL ASSEMBLY - Ventilation (with light holes only)	1	44-7995001 to 44-7995353 incl.
	99500-06	A	PANEL ASSEMBLY - Ventilation (with speaker and light holes)	1	44-7995001 to 44-7995353 incl.
	99500-13	A	PANEL ASSEMBLY - Ventilation (with speaker hole only)	1	44-7995001 to 44-7995353 incl.
	76496-10	B,C	PANEL ASSEMBLY - Ventilation (less speaker and light holes)	1	
	76496-08	B,C	PANEL ASSEMBLY - Ventilation (with speaker hole only)	1	
	76496-03	B,C	PANEL ASSEMBLY - Ventilation (with light holes only)	1	
	76496-02	B,C	PANEL ASSEMBLY - Ventilation (with speaker and light holes)	1	
-2	76307-07	A	DUCT ASSEMBLY - Center, ventilation	1	44-7995001 to 44-7995353 incl.
	76494-02	B	DUCT ASSEMBLY - Center, ventilation	1	
-3	473 187		* LOUVER - (136-1M), silver	2	
	473 195		* LOUVER - (336-1HS), black	2	
-4	461 386		* FRAME - (173-M), silver	2	
	461 391		* FRAME - (173B), black	2	
-5	406 424		* NUT - (C2733-040-1)	8	
-6	76305-00	A	DUCT - Ventilation	1	44-7995001 to 44-7995353 incl.
-7	99642-03		BLOWER ASSEMBLY - Fresh air	1	
-8	475 210		* MOTOR ASSEMBLY - Blower (UN-YY-1S082)	1	
-9	37977-02		* COVER - Fresh air blower	1	
-10	99641-00		* PLATE ASSEMBLY - Motor mounting	1	
-11	452 935		BLOWER - (AE424-316-1)	1	
-12	63633-131	A	HOSE	1	44-7995001 to 44-7995353 incl.
-13	63633-177	A	HOSE	1	44-7995001 to 44-7995353 incl.
-14	63633-148		HOSE	1	
-15	473 187		LOUVER - (136-1M), silver	2	
	473 195		LOUVER - (336-1HS), black	2	
-16	461 386		FRAME - (173-M), silver	2	
	461 391		FRAME - (173B), black	2	
-17	406 424		NUT - (C2733-040-1)	8	
-18	76309-00	A	CHANNEL - Ventilation	1	44-7995001 to 44-7995353 incl.
	76309-02	B	CHANNEL - Ventilation	1	
-19	79192-00	A	INTERCONNECT - Ventilation bulkhead	1	44-7995001 to 44-7995353 incl.
-20	79035-00		GUSSET ASSEMBLY - Intercostal	2	
-21	79280-00		INTERCOSTAL - Blower bracket support, left	1	
-22	79287-00		INTERCOSTAL - Blower bracket support, right	1	
-23	79281-00		HANGER ASSEMBLY - Blower, left	1	
-24	79282-00		HANGER ASSEMBLY - Blower, right	1	
-25	79284-00		RETAINER - Housing	1	
-26	79285-00		BRACKET - Intercostal, forward	1	
-27	79286-00		BRACKET - Intercostal, aft	1	
-28	79303-00		BRACE - Hanger	2	
-29	69885-00	A	FLAPPER VALVE ASSEMBLY - Fresh air intake	1	44-7995001 to 44-7995353 incl.
-30	69885-02	A	* SHAFT ASSEMBLY	1	44-7995001 to 44-7995353 incl.
-31	69885-03	A	* FLAPPER ASSEMBLY	1	44-7995001 to 44-7995353 incl.
-32	63904-89	A	TUBE - Drain	1	44-7995001 to 44-7995353 incl.

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
67-33	79290-00	A	TUBE ASSEMBLY - Drain	1	44-7995001 to 44-7995353 incl.
-34	588 109		SWITCH - (MS35058-21)	1	
-35	86711-02	A	FITTING ASSEMBLY - Air duct, lower	1	44-7995001 to 44-7995353 incl.
-36	79292-00		STRAP - Fresh air hose support	1	
-37	70371-02	W	FITTING - Swivel	1	
	70371-03	W	STUD - Swivel fitting	1	
	407 564	W	WASHER - (AN960-10)	1	
	404 392	W	NUT - (AN320-3)	1	
	424 051	W	COTTER PIN - (MS24665-132)	1	
-38	79264-00		COVER ASSEMBLY - Fresh air blower	1	
-39	69669-77		PLACARD - Cabin air	1	
-40	554 861	A,W	CLAMP - (SAE TY F-4)	2	44-7995001 to 44-7995353 incl.
-41	554 640	W	CLAMP - (SAE TY F-72)	4	
-42	454 717		CIRCUIT BREAKER - (PS50120-2-5) 20 amp	1	
-43	76495-02	B	DUCT AND FLAPPER VALVE ASSEMBLY - Aft	1	
-44	69885-12	B	* FLAPPER VALVE ASSEMBLY - Fresh air intake	1	
-45	69885-02	B	* * SHAFT ASSEMBLY	1	
-46	69885-03	B	* * FLAPPER ASSEMBLY	1	
-47	63633-127	B	HOSE - Air vent	1	
-48	36615-05	B	DUCT ASSEMBLY - Air vent (with filter)	1	
-49	36616-03	B	* FILTER - Air vent	1	
-50	36612-03	B	LOUVER - Air vent	1	
-51	79290-00	B	TUBE ASSEMBLY - Drain	1	
-52	63897-06	B	CAPACITOR ASSEMBLY	1	
-53	63904-113	B	HOSE - Drain	1	
-54	554 861	B,W	CLAMP - (SAE TY F-4)	2	
-55	99633-00		DUCT - Hose connect	1	
-56	63902-25	A	CABLE ASSEMBLY - Fresh air flapper	1	44-7995001 to 44-7995353 incl.
	554 365	B	CABLE ASSEMBLY - Fresh air flapper (PS50146-2-3)	1	
-57	79293-04		CABLE - Blower switch	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

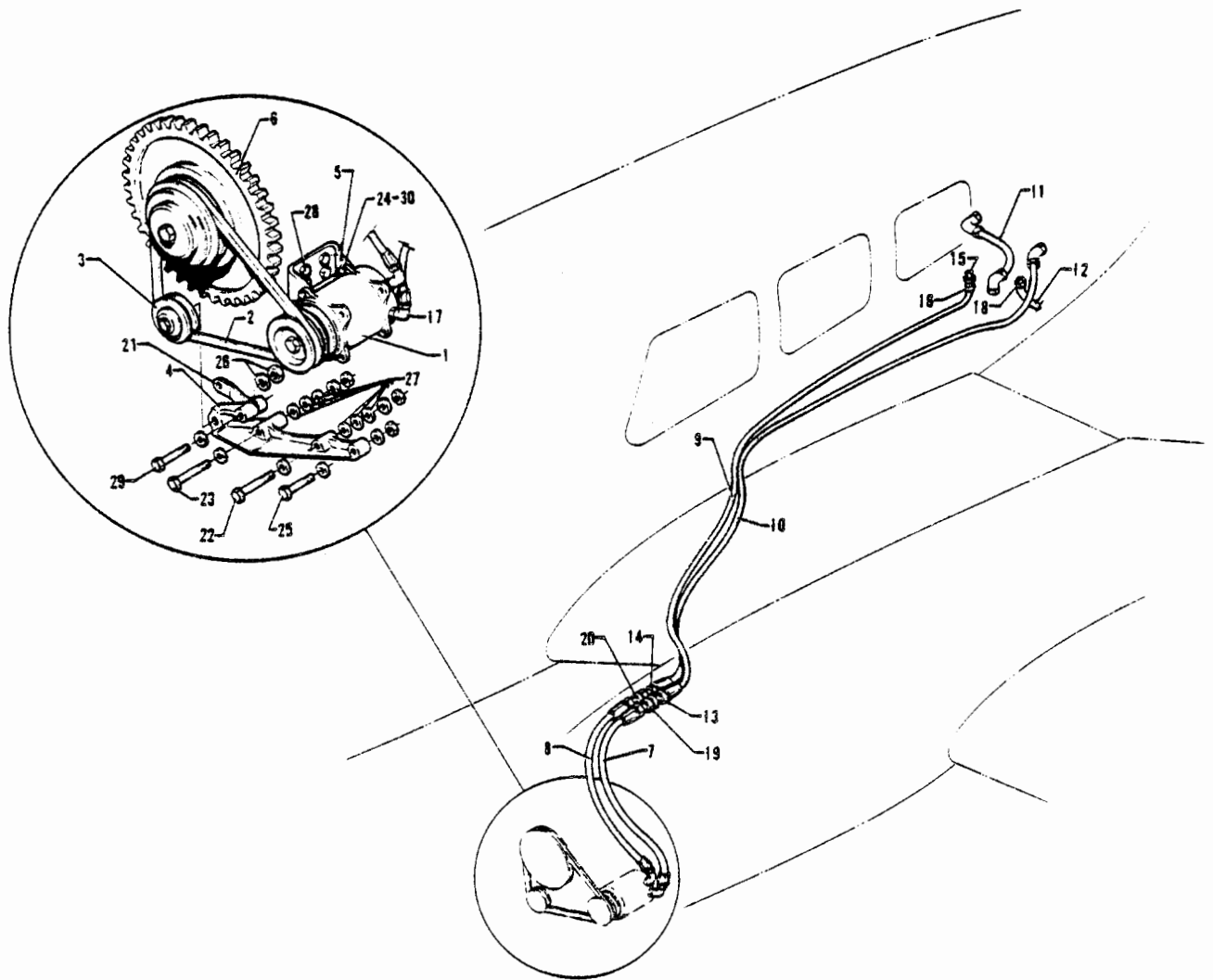


Figure 67A. Air Conditioning Compressor and Refrigerant Lines Installation
 (PA-44-180 - Serial Nos. 44-8195001 and up)
 (PA-44-180T - Serial Nos. 44-8107027 and up)

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 67A

- A - Used on PA-44-180 with serial numbers 44-8195001 and up, and PA-44-180T with serial numbers 44-8107027 and up.
W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
67A-	39703 39704		DRAWING - Air Conditioning Compressor Installation DRAWING - Air Conditioning Refrigerant Lines Installation		
-1	555 919		COMPRESSOR - (SD-507)	1	
-2	758 542		BELT - Compressor (LW-14278)	1	
-3	763 507		PULLEY ASSEMBLY - Idler (LW-15367)	1	
-4	758 543		BRACKET - Idler pulley (LW-16888)	1	
-5	758 544		BRACKET - Compressor (LW-16887)	1	
-6	762 440		SUPPORT ASSEMBLY - Ring gear (LW-15882)	1	
-7	99592-23		HOSE ASSEMBLY - Suction (48.50" L.)	1	
-8	99592-24		HOSE ASSEMBLY - Discharge (56.50" L.)	1	
-9	99592-25		HOSE ASSEMBLY - Suction (127.50" L.)	1	
-10	99592-26		HOSE ASSEMBLY - Discharge (131.50" L.)	1	
-11	565 578		HOSE ASSEMBLY - Suction (40" L.) (3246P5-AS6-A45S6-40)	1	
-12	63913-199		HOSE - (14.00" L.)	1	
-13	67982-03		UNION - Bulkhead	1	
-14	67982-04		UNION - Bulkhead	1	
-15	451 906		ADAPTER - (PS10022-6-4)	1	
-16	554 678	W	CLAMP - (PS10017-23-6)	1	
-17	559 002		ELBOW - (C5506 x 10)	1	
-18	454 983	W	CLAMP - (SAE TY E-8)	2	
-19	407 575	W	WASHER - (AN960-1416)	2	
	477 703	W	NUT - (AN924-10)	1	
-20	407 573	W	WASHER - (AN960-1216)	2	
	477 691	W	NUT - (AN924-8)	1	
-21	762 441		STRUT - Alternator (LW-16390)	1	
-22	758 546		BOLT - (STD-2025)	1	
	763 755		WASHER - (STD-8)	2	
	755 616		NUT - (STD-1685)	1	
-23	758 547		BOLT - (STD-1830)	1	
	763 755		WASHER - (STD-8)	2	
	755 616		NUT - (STD-1685)	1	
-24	400 208		BOLT - (AN6-13)	2	
	763 756		WASHER - (STD-33)	4	
	755 617		NUT - (STD-872)	2	
	763 508		COTTER PIN - (STD-761)	2	
-25	400 211	W	BOLT - (AN6-16)	1	
	763 756		WASHER - (STD-33)	2	
	755 617		NUT - (STD-872)	1	
	763 508		COTTER PIN - (STD-761)	1	
-26	763 757		WASHER - (STD-669)	1	
	755 618		NUT - (STD-676)	1	
-27	763 758		WASHER - (STD-2190)	2	
	407 563	W	WASHER - (AN960-8)	AR	
	762 442		SHIM - (LW-12232)	AR	
-28	758 545		BOLT - (LW-31-1.25)	4	
	763 759		WASHER - (STD-35)	4	
-29	758 548		BOLT - (STD-1169)	1	
	763 756		WASHER - (STD-33)	1	
-30	762 443		SHIM - (LW-10952)	AR	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

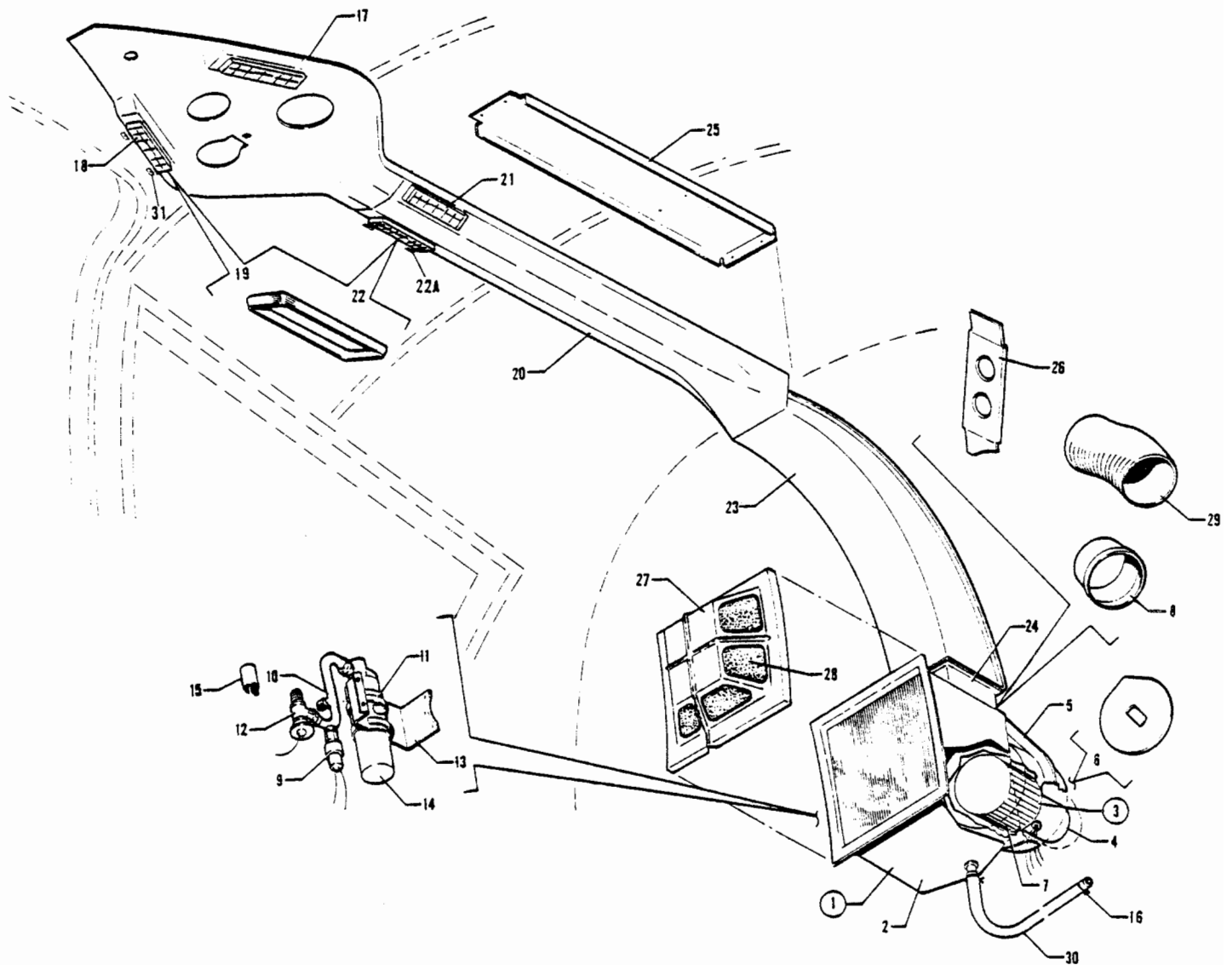


Figure 67B. Air Conditioning Duct and Evaporator Installation
 (PA-44-180 - Serial Nos. 44-8195001 and up)
 (PA-44-180T - Serial Nos. 44-8107027 and up)

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 67B

- A - Used on PA-44-180 with serial numbers 44-8195001 and up, and PA-44-180T with serial numbers 44-8107027 and up.
- B - See Figure 67E for PA-44-180T if Fixed Oxygen System is installed.
- W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
678-	76493 79849		DRAWING - Air Conditioning Duct Installation DRAWING - Evaporator Bulkhead Assembly		
-1	99640-00		EVAPORATOR ASSEMBLY - Air conditioning	1	
-2	99640-03		* EVAPORATOR AND HOUSING ASSEMBLY - Air conditioning	1	
-3	99642-03		* BLOWER ASSEMBLY - Evaporator	1	
-4	475 210		* * MOTOR ASSEMBLY - Evaporator blower (UN-YY1S062)	1	
-5	37997-02		* * COVER - Evaporator blower	1	
-6	99641-00		* * PLATE ASSEMBLY - Motor mounting	1	
-7	452 935		* BLOWER - (AE424-316-1)	1	
-8	99633-00		* DUCT - Hose connect	1	
-9	99646-02		* SWITCH ASSEMBLY - Pressure	1	
-10	589 688		* TUBE ASSEMBLY - Evaporator inlet (37245-6-6S)	1	
-11	554 926	W	* CLAMP - (SAE TY F-44)	2	
-12	99648-00		* VALVE ASSEMBLY - Evaporator expansion	1	
-13	99650-00		* BRACKET - Receiver dehydrator	1	
-14	456 615		* RECEIVER DEHYDRATOR - (1106)	1	
-15	99661-00		* CLAMP - Bulb, expansion valve	1	
-16	554 678		CLAMP - (PS10017-23-6)	1	
-17	76496-10		PANEL ASSEMBLY - Cabin air conditioning duct (without speaker hole)	1	
	76496-08		PANEL ASSEMBLY - Cabin air conditioning duct (with speaker hole)	1	
	76496-03	B	PANEL ASSEMBLY - Cabin light and air conditioning duct (without speaker hole)	1	
	76496-02	B	PANEL ASSEMBLY - Cabin light and air conditioning duct (with speaker hole)	1	
-18	473 187		LOUVER - (136-1M), silver	2	
	473 195		LOUVER - (336-1HS), black	2	
-19	461 386		FRAME - (173M), silver	2	
	461 391		FRAME - (173B), black	2	
-20	76494-02	B	DUCT ASSEMBLY - Air conditioning	1	
-21	473 187		* LOUVER - (136-1M), silver	2	
	473 195		* LOUVER - (336-1HS), black	2	
-22	461 386		* FRAME - (173M), silver	2	
	461 391		* FRAME - (173B), black	2	
-22a	406 424		* NUT - (C2733-040-1)	8	
-23	79839-03		DUCT ASSEMBLY - Aft cabin bulkhead	1	
-24	79840-04		DUCT ASSEMBLY - Interconnect	1	
-25	76309-02		CHANNEL - Air conditioning	1	
-26	99539-00		SUPPORT ASSEMBLY - Evaporator box	1	
-27	99550-02		COVER - Evaporator filter	1	
-28	99644-00		FILTER - Evaporator	1	
-29	63633-100		HOSE - Air conditioning	1	
-30	63913-199		HOSE - Evaporator drain	1	
-31	406 424		NUT - (C2733-040-1)	8	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

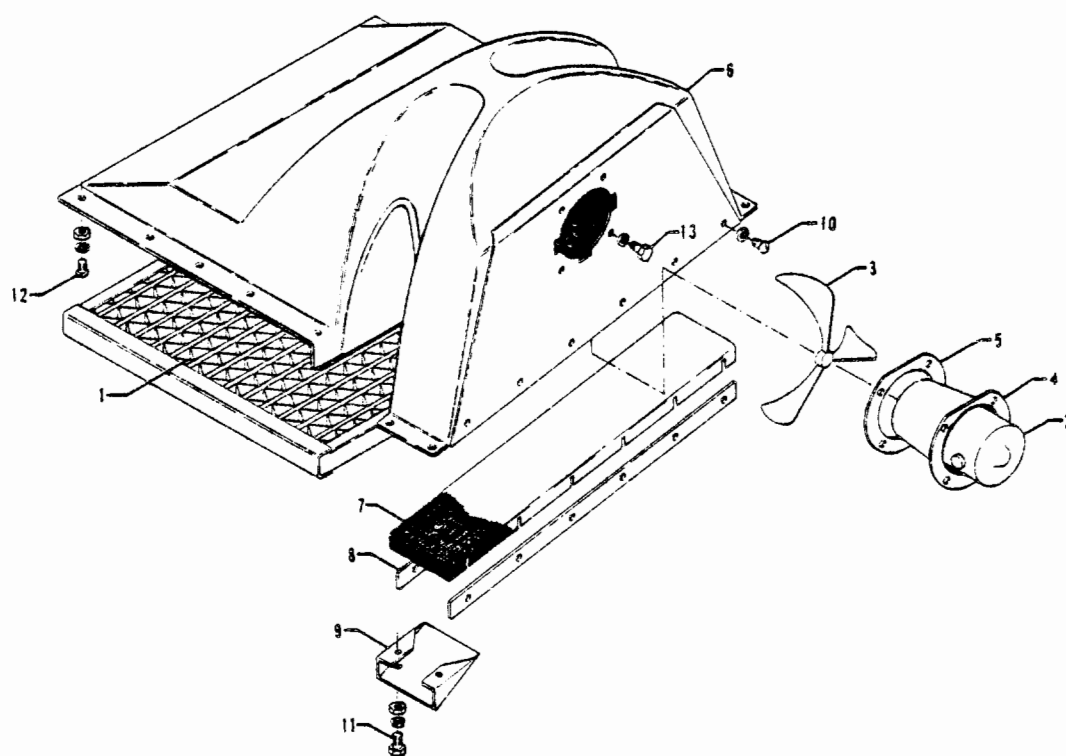


Figure 67C. Air Conditioning Condenser Installation
 (PA-44-180 - Serial Nos. 44-8195001 and up)
 (PA-44-180T - Serial Nos. 44-8107027 and up)

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 67C

- A - Used on PA-44-180 with serial numbers 44-8195001 and up, and PA-44-180T with serial numbers 44-8107027 and up.
W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
67C-	39705		DRAWING - Air Conditioning Condenser Installation		
-1	555 457		CONDENSER - (1E-1415C)	1	
-2	475 210		MOTOR - (UN-YY1S062)	1	
-3	453 004		BLADE - Fan (HMF-2094)	1	
-4	39798-02		MOUNT ASSEMBLY - Motor	1	
-5	39798-04		DOUBLER ASSEMBLY - Motor mount	1	
-6	39706-02		DUCT ASSEMBLY - Condenser	1	
-7	39765-02		SCREEN - Condenser duct	1	
-8	39765-03		DOUBLER - Screen	2	
-9	39776-02		SCOOP - Condenser duct	1	
-10	415 537	W	SCREW - (MS35206-247)	12	
	407 563	W	WASHER - (AN960-8)	12	
-11	415 537	W	SCREW - (MS35206-247)	4	
	407 563	W	WASHER - (AN960-8)	4	
	404 910	W	NUT - (MS20365-832C)	4	
-12	415 541	W	SCREW - (MS35206-251)	11	
	407 563	W	WASHER - (AN960-8)	11	
	404 910	W	NUT - (MS20365-832C)	11	
-13	401 266	W	BOLT - (AN3-5A)	4	
	407 563	W	WASHER - (AN960-8)	4	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

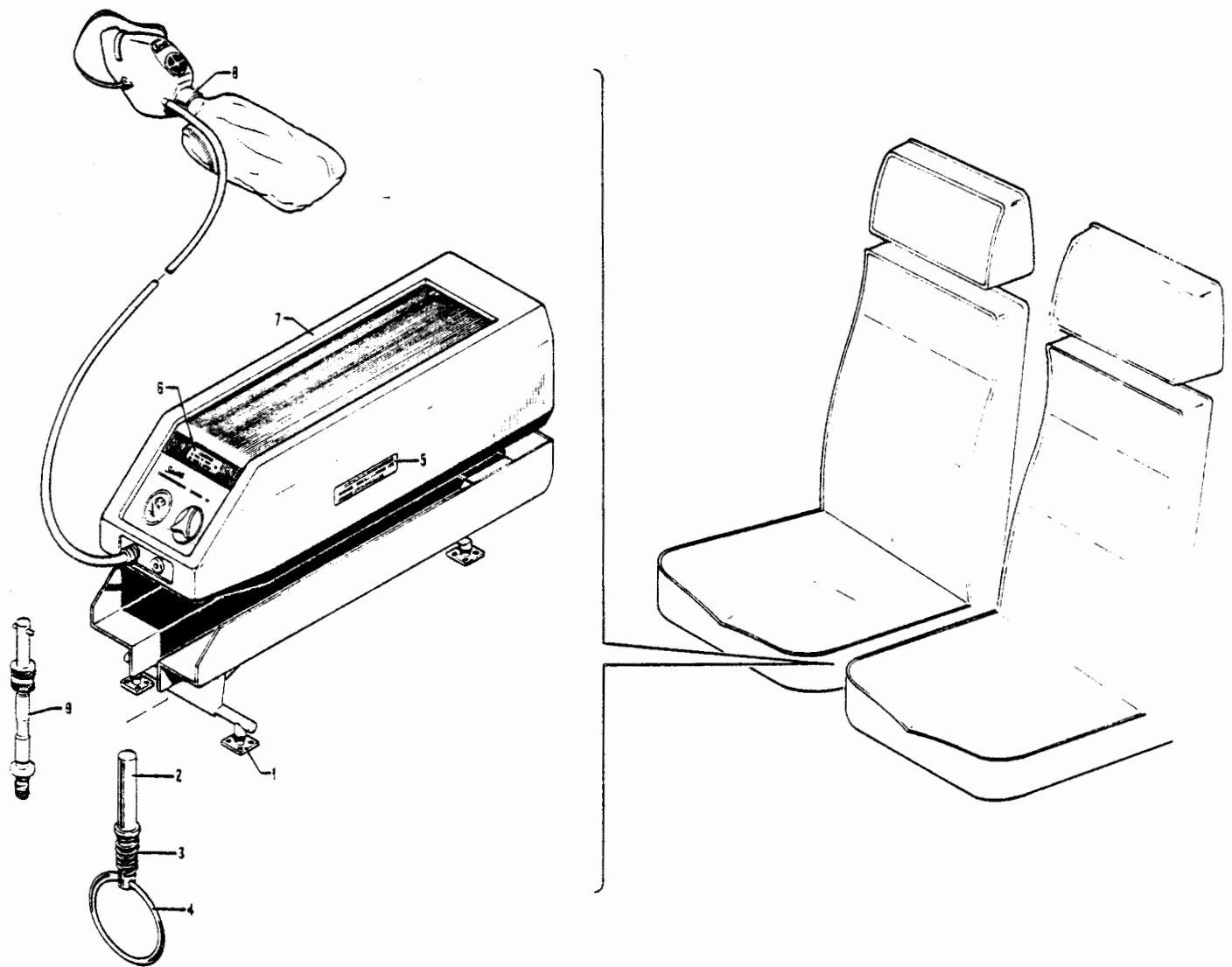


Figure 67D. Oxygen System Installation (Portable)

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 67D

A - Manifold connector assembly is equipped for one or two mask operation.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
67D-	35822		DRAWING - Oxygen System Installation		
-1	35822-21		SUPPORT ASSEMBLY - Oxygen	1	
-2	35822-13		* STUD	1	
-3	587 403		* SPRING - (LC-022D-10)	1	
-4	484 868		* RING - (R-1)	1	
-5	69669-177		* PLACARD - Oxygen support	1	
-6	35669-32		PLACARD - Warning	1	
-7	470 993		KIT - Complete oxygen system (802180-04)	1	44-8107001 to 44-8107062 incl.
	470 639		KIT - Complete oxygen system (802180-07)	1	44-8107063 and up
-8	761 654		* TWO SKY MASKS WITH JUAL MANIFOLD ASSEMBLY - Passenger (with 5' hose)	1	
	761 706	A	* SKY MASK WITH DUAL MANIFOLD CONNECTOR ASSEMBLY	1	
	761 707		* SKY MASK WITH MICROPHONE AND QUICK DISCONNECT - (includes lap mike switch and single manifold assembly)	1	44-8107001 to 44-8107062 incl.
	761 742		* SKY MASK WITH MICROPHONE AND QUICK DISCONNECT - (includes single manifold assembly)	1	44-8107063 and up
-9	761 741		* * MANIFOLD ASSEMBLY - Single (quick disconnect)	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

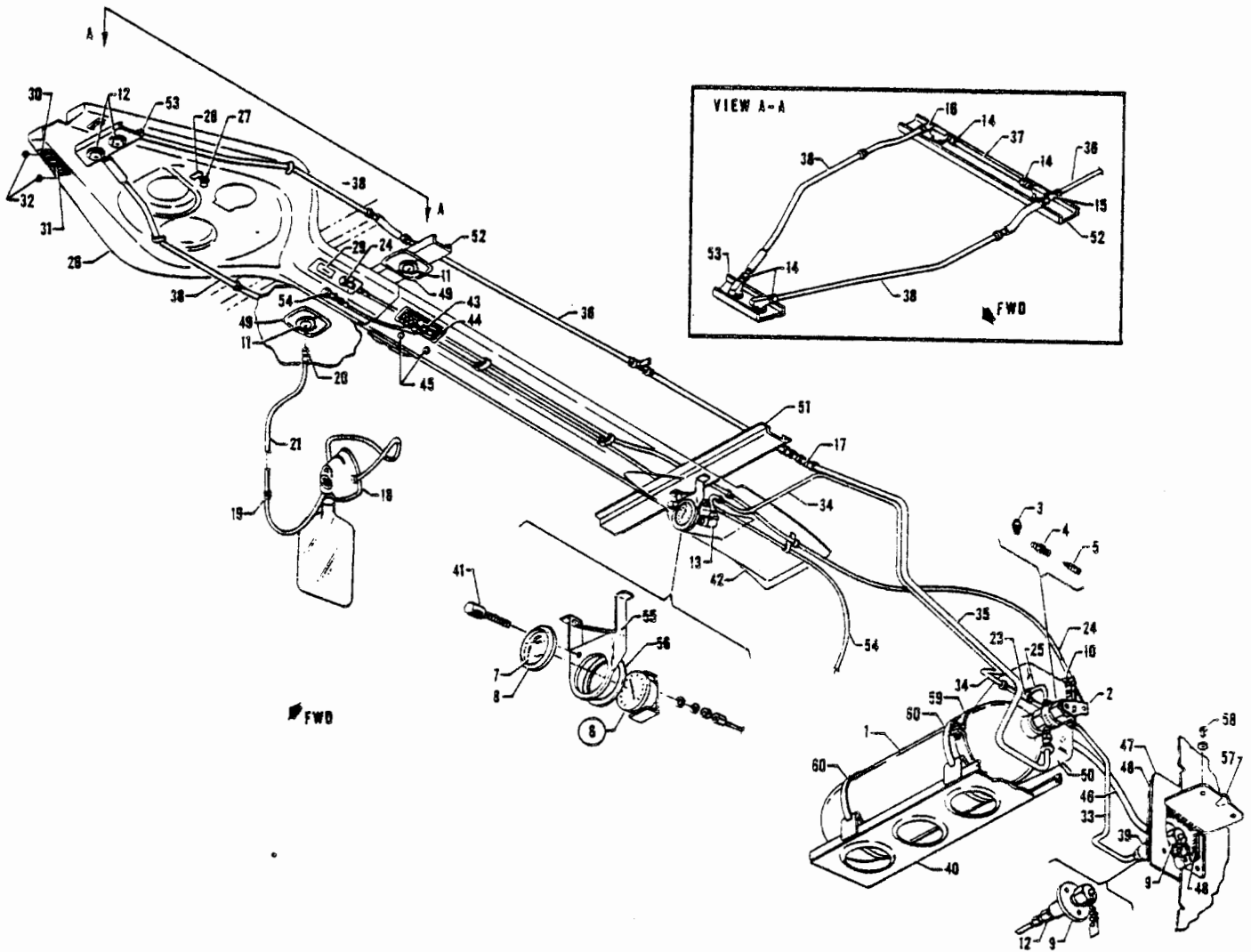


Figure 67E. Oxygen System Installation (Fixed)

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PA-44-180T

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 67E

W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
67E-	36960		DRAWING - Oxygen System Installation		
-1	757 890	W	CYLINDER AND REGULATOR ASSEMBLY - (800112-01)	1	
-2	756 038	W	* REGULATOR ASSEMBLY - Oxygen (800114-04)	1	
-3	756 507	W	* * RELIEF VALVE - Regulator assembly (5043-14)	1	
-4	756 505	W	* * VALVE ASSEMBLY - Charging	1	
-5	753 947	W	* * * CORE - Valve assembly (57524)	1	
-6	751 896	W	GAUGE ASSEMBLY - Oxygen (includes mounting bracket) (800435)	1	
-7	752 355	W	* LENS - Oxygen gauge (13753)	1	
-8	753 433	W	* BEZEL - Oxygen gauge (8808-1)	1	
-9	756 524	W	VALVE ASSEMBLY - Recharge (26875-48)	1	
-10	753 437	W	BRACKET ASSEMBLY - Control cable (800356-00)	1	
-11	752 610		OUTLET ASSEMBLY - Rear (23599-12)	2	
-12	752 609		OUTLET ASSEMBLY - Forward (23599-11)	2	
-13	754 798		ELBOW - High pressure (33521-403)	1	
-14	753 944	W	CONNECTOR - Low pressure (33529-009)	4	
-15	756 301	W	TEE - Low pressure (33529-805)	1	
-16	754 761	W	ELBOW - Low pressure (33529-106)	1	
-17	754 762	W	ELBOW - Low pressure (33529-704)	1	
-18	474 124		MASK ASSEMBLY - Oxygen, sky mask, passenger (28314-11)	3	
	761 744		MASK ASSEMBLY - Oxygen, duo-seal mask with microphone, crew (38316-11)	1	
-19	755 122		* FLOW - Indicator (8540)	1	
-20	753 939	W	* COUPLING - Oxygen plug-in (8570-00)	1	
-21	753 074		* TUBING - Plastic, oxygen mask (5' length)	1	
-22	763 310		CONNECTOR - Female (33525-202)	1	
-23	762 023		TEE - (1/8" dia.) (33521-002)	1	
-24	753 938	W	CABLE - Push-pull control (800177-00)	1	
-25	762 024		TUBE ASSEMBLY - High pressure (800214-06)	1	
-26	86887-02		PANEL ASSEMBLY - Overhead (with speaker and light holes)	1	
	86887-03		PANEL ASSEMBLY - Overhead (with light holes only)	1	
	86887-04		PANEL ASSEMBLY - Overhead (with speaker hole only)	1	
	86887-05		PANEL ASSEMBLY - Overhead (without speaker and light holes)	1	
-27	36965-03		SWITCH ASSEMBLY - Oxygen gauge light	1	
-28	35669-137		PLACARD - Oxygen gauge light	1	
-29	35669-157		PLACARD - Oxygen	1	
-30	461 391		FRAME - (173B)	1	
-31	473 195		LOUVER - (336-1HS)	1	
-32	406 424		NUT - (C2733-040-1)	8	
-33	36960-13		TUBE - High pressure	1	
-34	36960-20		TUBE - High pressure	1	
-35	36960-16		TUBE - Low pressure	1	
-36	36960-15		TUBE - Low pressure	1	
-37	36960-06		TUBE - Low pressure	1	
-38	36960-14		TUBE - Low pressure	2	
-39	36959-02		SHROUD ASSEMBLY - Charging valve	1	
-40	36956-03		SHELF ASSEMBLY - Support	1	
-41	572 514		LIGHT - Bolt (5952-8ND-CW-12)	1	
-42	76494-04		DUCT ASSEMBLY - Cabin fresh air	1	
-43	473 195		* LOUVER - (336-1HS)	2	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
67E-44	461 391		* FRAME - (1738)	2	
-45	406 424		* NUT - (C2733-040-1)	8	
-46	36960-10		TUBE - Vent	1	
-47	36957-05		DOUBLER - Access, oxygen recharge	1	
-48	36957-06		DISH ASSEMBLY - Access, oxygen	1	
-49	452 813		BEZEL - Oxygen outlet (A320)	2	
-50	36962-06		SHROUD ASSEMBLY - Oxygen bottle, aft	1	
	36962-07		SHROUD ASSEMBLY - Oxygen bottle, forward	1	
-51	68364-00		CHANNEL - Support, aft	1	
-52	86888-02		CHANNEL - Support, center	1	
-53	86888-03		CHANNEL - Support, forward	1	
-54	554 365		CABLE - Fresh air flapper (PS50146-2-3)	1	
-55	39789-02		BRACKET - Gauge mount	1	
-56	62833-131		SHIM - Oxygen gauge	1	
-57	36957-04		DOOR ASSEMBLY - Access, oxygen recharge	1	
-58	487 584	W	* STUD - (2600-2)	2	
	494 060	W	* LOCKWASHER - (2600-LW)	2	
-59	654 118		CLAMP - (SAE TY F-104)	1	
-60	654 116		CLAMP - (C31123C-62-728-S1)	2	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PA-44-180
PA-44-180T

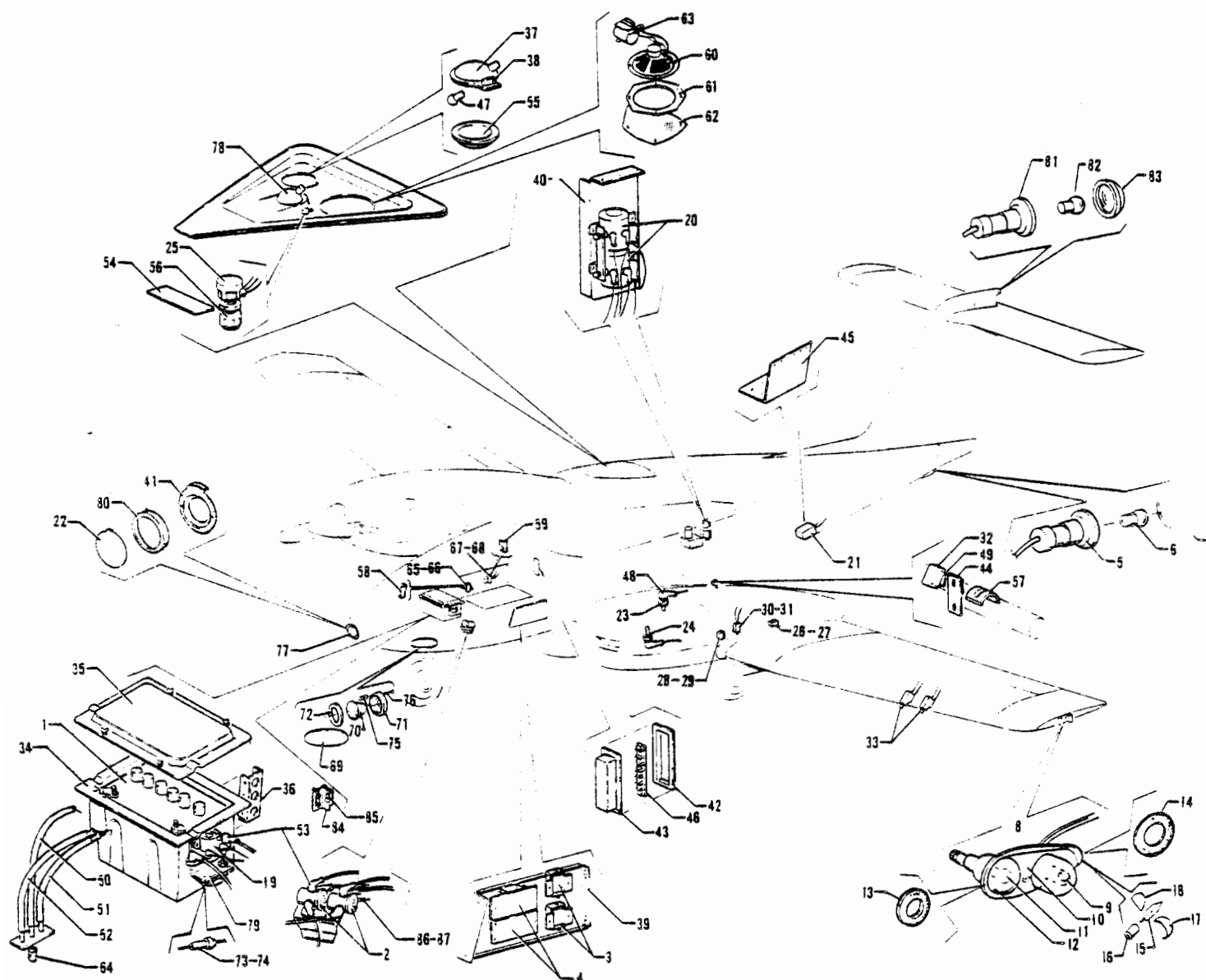


Figure 68. Electrical System Installation

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 68

- A - Used on PA-44-180 only.
- B - Used on PA-44-180T only.
- C - Used on PA-44-180 with serial numbers 44-7995165 to 44-8195022 inclusive, and PA-44-180T with serial numbers 44-8107001 to 44-8107059 inclusive. Also used on PA-44-180 with serial numbers 44-8195023 and up and PA-44-180T with serial numbers 44-8107060 and up if aircraft complies with United Kingdom requirements.
- D - Used on PA-44-180 with serial numbers 44-7995001 to 44-8095037 inclusive, and PA-44-180T with serial numbers 44-8107002 to 44-8107027 inclusive.
- E - Used on PA-44-180 with serial numbers 44-8195001 and up, and PA-44-180T with serial numbers 44-8107028 and up.
- F - Used on PA-44-180 with serial numbers 44-7995001 to 44-8095037 inclusive, and PA-44-180T with serial numbers 44-8107001 to 44-8107026 inclusive.
- G - Used on PA-44-180 with serial numbers 44-8195001 and up, and PA-44-180T with serial numbers 44-8107027 and up.
- H - Used on PA-44-180 with serial numbers 44-7995001 to 44-8195022 inclusive, and PA-44-180T with serial numbers 44-8107001 to 44-8107059 inclusive. Also used on PA-44-180 with serial numbers 44-8195023 and up and PA-44-180T with serial numbers 44-8107060 and up if aircraft complies with United Kingdom requirements.
- J - Used on PA-44-180 with serial numbers 44-8195023 and up, and PA-44-180T with serial numbers 44-8107060 and up.
- K - Used on PA-44-180 with serial numbers 44-7995001 to 44-8195040 inclusive, and PA-44-180T with serial numbers 44-8107001 to 44-8107076 inclusive. Also used on PA-44-180 with serial numbers 44-8295001 and up and PA-44-180T with serial numbers 44-8207001 and up if aircraft complies with United Kingdom requirements.
- L - Used on PA-44-180 with serial numbers 44-8295001 and up, and PA-44-180T with serial numbers 44-8207001 and up.
- M - Used on PA-44-180 with serial numbers 44-8295001 and up, and PA-44-180T with serial numbers 44-8107033, 44-8207001 and up.
- N - Used on PA-44-180 with serial numbers 44-7995001 and up, and PA-44-180T with serial numbers 44-8107001 to 44-8107032 inclusive, and 44-8107034.
- W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
68-	86355	A	DRAWING - Electrical Installation		
	86831	B	DRAWING - Electrical Installation		
	79850	H	DRAWING - Wing Tip Strobe Lights Installation		
	36789	J	DRAWING - Wing Tip Strobe Lights Installation		
	79850	K	DRAWING - Fin Tip Strobe Light Installation		
	36789	L	DRAWING - Fin Tip Strobe Light Installation		
	86925	G	DRAWING - Landing Light Installation		
-1	450 035	W	BATTERY - (R-35)	1	
-2	99130-02	W	SOLENOID - Starter	2	
-3	450 397		RELAY - Overvoltage (PS50034-1)	2	
-4	550 393	W	REGULATOR - Voltage (B-00288-1)	2	
-5	472 736	K,W	LIGHT - Tail, white (A2064-1073)	1	
-6	753 431	K,W	* BULB - (1073)	1	
-7	751 203	K,W	* LENS - White	1	
-8	472 998	H	LIGHT ASSEMBLY - Red navigation and white strobe, wing tip (shielded)	1	
	472 988	C	LIGHT ASSEMBLY - Red navigation and red strobe, wing tip (shielded)	1	
	572 558	J	LIGHT ASSEMBLY - Red navigation and red strobe, wing tip (shielded)	1	
	472 997	H	LIGHT ASSEMBLY - Green navigation and white strobe, wing tip (shielded)	1	
	472 987	C	LIGHT ASSEMBLY - Green navigation and red strobe, wing tip (shielded)	1	
	572 560	J	LIGHT ASSEMBLY - Green navigation and red strobe, wing tip (shielded)	1	
-9	762 003	W	* TUBE ASSEMBLY - Flash tip	1	
-10	761 223	H,W	* LENS AND RETAINER ASSEMBLY - Wing tip strobe, white (shielded)	1	
	761 222	C	* LENS AND RETAINER ASSEMBLY - Wing tip strobe, red (shielded)	1	
	761 254	J	* LENS AND RETAINER ASSEMBLY - Wing tip strobe (shielded)	1	
-11	751 202	W	* LENS - Navigation, red	1	
	751 201	W	* LENS - Navigation, green	1	
-12	751 381	W	* BULB - (1512)	1	
-13	755 075	W	* GASKET - Navigation light (W1283)	1	
-14	755 076	W	* GASKET - Wing strobe (A-427-4)	1	
-15	761 256	J	* LAMP - Navigation light assembly (A508) 14 volt	1	
-16	762 426	J	* SOCKET ASSEMBLY - Navigation light (A507)	1	
-17	761 255	J	* LENS - Navigation light (A615)	1	
-18	755 096	J	* GASKET - Navigation light (A616)	1	
-19	455 151		RELAY - Power (6041H105)	1	
-20	484 373	W	RELAY - Hydraulic pump (24059)	2	
-21	763 469	W	POWER SUPPLY - Strobe light	1	
-22	12761-02	F,W	COVER ASSEMBLY - Landing light opening	1	
-23	86685-02		SENDER UNIT - Oil temperature	2	
-24	86687-02	A	SENDER UNIT - Cylinder heat temperature	2	
-25	95228-00		DIMMER ASSEMBLY - Potentiometer	1	
-26	86409-02	D	SWITCH ASSEMBLY - Down limit, main gear	2	
	86409-05	B	SWITCH ASSEMBLY - Down limit, main gear	2	44-8107001
	36742-14	E	SWITCH ASSEMBLY - Down limit, main gear	2	
-27	451 823	D	* ACTUATOR - (JE73)	1	
-28	86409-03	D	SWITCH ASSEMBLY - Up limit, main gear	3	
	86409-06	B	SWITCH ASSEMBLY - Up limit, main gear	3	44-8107001
	688 112	E	SWITCH ASSEMBLY - Up limit, main gear (BZ-2RW805551-A2)	3	
-29	451 823	D	* ACTUATOR - (JE73)	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
68-30	86409-04	D	SWITCH ASSEMBLY - Squat and stall warning prevention, left	2	44-8107001
	86409-07	B	SWITCH ASSEMBLY - Squat and stall warning prevention, left	2	
	36742-13	E	SWITCH ASSEMBLY - Squat and stall warning prevention, left	2	
-31	451 823	D	* ACTUATOR - (JE73)	1	44-8107033, 44-8107035 and up 44-7995001 to 44-7995003 incl.
-32	487 925	W	SWITCH - Cowl flap limit (V3-1)	2	
-33	548 262		DETECTOR - Lift (148-2)	2	
-34	86410-02		BOX ASSEMBLY - Battery	1	44-8107001
-35	86410-05		* COVER ASSEMBLY - Battery box	1	
-36	38062-10		* BRACKET ASSEMBLY - Mounting	2	
-37	66632-00		REFLECTOR ASSEMBLY - Dome light	1	44-8107001
-38	487 777		* SWITCH - (5518)	1	
-39	86368-03	N	SUPPORT - Voltage regulator and overvoltage relay	1	
	86915-800	B	SUPPORT ASSEMBLY - Component mount	1	44-8107033, 44-8107035 and up 44-7995001 to 44-7995003 incl.
-40	86429-03	A	BRACKET - Mounting relay	1	
-41	86592-02	F	BRACKET ASSEMBLY - Landing light	1	
-42	95213-00		COVER - Terminal strip	1	44-8107001
-43	95213-02		COVER - Terminal strip	1	
-44	96590-00		BRACKET - Flap limit switch	1	
-45	99031-03		BRACKET ASSEMBLY - Power supply mounting	1	44-8107001
-46	588 362		STRIP - Terminal (MS27212-1-6)	1	
-47	472 036	W	LAMP - (PS10008-89)	1	
-48	462 012		GASKET - (AH-1522)	2	44-8107001
-49	451 841	W	ACTUATOR - (JV5)	2	
-50	63904-13		HOSE - Battery drain (8.50" L)	1	
-51	63904-97		HOSE - Battery vent (13.00" L)	1	44-8107001
-52	63904-99		HOSE - Battery vent (12.25" L)	1	
-53	66580-02		NIPPLE	6	
-54	69669-20		PLACARD - Dome light max.	1	44-8107001
-55	12715-00		LENS - Dome light	1	
-56	571 136		KNOB - (PS10067-4-1)	1	
-57	86370-02		CAM - Landing gear warning switch	1	44-8107001
-58	86692-02	D	COVER - Limit switch, down lock	1	
-59	86692-03	D	COVER - Limit switch, up lock	1	
-60	585 015		SPEAKER - Radio, circular (6FU3211)	1	44-8107001
-61	99745-00		GASKET - Radio speaker	1	
-62	99744-00		GRILL - Radio speaker	1	
-63	484 375		RELAY - (11F-2300-G/SIL)	1	44-8107001
-64	454 161		CAP - Vent (1704-9-Y)	1	
-65	86409-02	D	SWITCH ASSEMBLY - Down limit, nose gear	1	
	86409-05	B	SWITCH ASSEMBLY - Down limit, nose gear	1	44-8107001
	87310-02	E	SWITCH ASSEMBLY - Down limit, nose gear	1	
-66	451 823	D	* ACTUATOR - (JE73)	1	
-67	86409-03	D	SWITCH ASSEMBLY - Up limit, nose gear	1	44-8107001
	86409-06	B	SWITCH ASSEMBLY - Up limit, nose gear	1	
	87310-03	E	SWITCH ASSEMBLY - Up limit, nose gear	1	
-68	451 823	D	* ACTUATOR - (JE73)	1	44-8107001
-69	86926-02	G	LENS - Landing light	2	
-70	472 661	G	LIGHT - Landing (PS10008-4509)	2	
-71	86923-02	G	RING - Light retainer	2	44-8107001
-72	86922-02	G	PLATE - Light retainer	2	
-73	79595-19	G	FUSE ASSEMBLY - Voltage spike suppression	1	
-74	481 657	G	* FUSE - (312001) 1 amp	1	44-8107001
-75	67533-00	G	SPRING - Landing light	3	
-76	415 748	G	SCREW - (AN515-632R24)	3	
-77	472 661	F	LIGHT - Landing (PS10008-4509)	1	44-8107001
-78	572 582		LIGHT ASSEMBLY - Overhead panel (A300-W-14)	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
68-79	62279-00		DIODE ASSEMBLY - Master relay	1	
-80	65372-03	F	RING ASSEMBLY - Landing light	1	
-81	472 736	LW	LIGHT - Tail, white (A2064-1073)	1	
-82	753 431	LW	* BULB - (1073)	1	
-83	751 203	LW	* LENS - White	1	
-84	86973-02	M	FUSE ASSEMBLY	1	
-85	461 674	M	* FUSE - (ANL50)	2	
-86	86948-02	M	FUSE ASSEMBLY - Starter relay	1	
-87	461 657	M	* FUSE - (312001) 1 amp	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

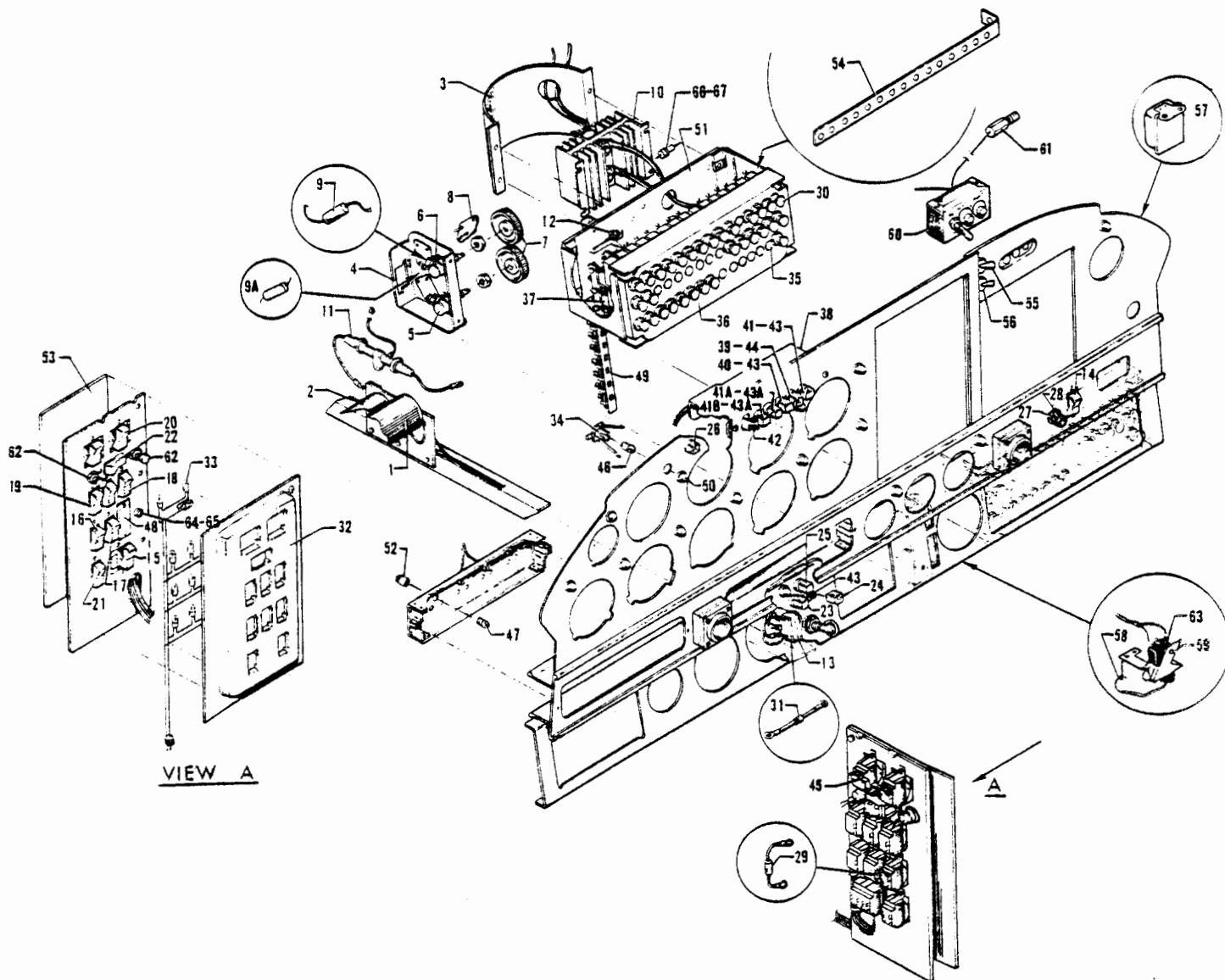


Figure 69. Instrument Panel Electrical Installation

REVISED: JANUARY 1982

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 69

- A - Used if carburetor ice detector is installed.
- B - Used on PA-44-180 only.
- C - Used on PA-44-180T only.
- D - Used on PA-44-180 with serial numbers 44-8095022 and up if carburetor ice detector is installed, and PA-44-180T.
- E - Used on PA-44-180 with serial numbers 44-8095001 and up, and PA-44-180T.
- F - When ordering, specify color "bark II" or black.
- G - Used on PA-44-180 with serial numbers 44-8095001 and up, and PA-44-180T with serial numbers 44-8107001 to 44-8107032 inclusive, 44-8107034 to 44-8107076 inclusive.
- H - Used on PA-44-180 with serial numbers 44-7995001 to 44-8195040 inclusive, and PA-44-180T with serial numbers 44-8107001 to 44-8107032 inclusive, 44-8107034 to 44-8107076 inclusive.
- J - Used on PA-44-180 with serial numbers 44-8295001 and up, and PA-44-180T with serial numbers 44-8107033, 44-8207001 and up.
- W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
69-	86355	B	DRAWING - Electrical Installation		
	86831	C	DRAWING - Electrical Installation		
	39684	B	DRAWING - Carburetor Ice Detector Installation		44-8095022 and up
	36926	G	DRAWING - Radio Master Switch Installation		
	86971	C	DRAWING - Radio Master Switch Installation		44-8107033, 44-8207001 and up
-1	565 407		HORN - Stall warning (53534-1)	1	
-2	565 288	W	HORN - Gear warning (02054-3)	1	
-3	37386-00		SHIELD - Cooler	1	
-4	37399-03		CONTROL ASSEMBLY - Dimmer	1	
-5	67436-04		* SWITCH - Potentiometer	1	
-6	67436-06		* SWITCH - Potentiometer	1	
-7	67437-00		* KNOB - Potentiometer	2	
-8	489 400		* TRANSISTOR - (2N3055)	2	
-9	484 498		* RESISTOR - (22 ohm, 1 watt)	2	
-9a	484 494		* RESISTOR - (VC5E, 50 ohm)	1	
-10	37409-00	H	DIODE AND COOLER ASSEMBLY	1	
	86965-02	J	DIODE AND COOLER ASSEMBLY	1	
-11	38149-04		FLASHER ASSEMBLY - Gear warning	1	
-12	86954-02	J	DIODE ASSEMBLY - Circuit breaker	1	
-13	587 818		SWITCH - (PS50037-1-2)	1	
-14	99377-27		SWITCH - Fan	1	
-15	99377-60		SWITCH - Master	1	
-16	99377-15		SWITCH - Navigation lights	1	
-17	99377-06		SWITCH - Strobe lights	1	
-18	99377-02		SWITCH - Fuel pump	2	
-19	99377-38		SWITCH - Landing light	1	
-20	99377-31		SWITCH - Magneto	2	
-21	99377-32		SWITCH - Alternator	1	
-22	99377-40		SWITCH - Starter	1	
-23	67422-05		LIGHT - Indicator (left gear)	1	
-24	67422-06		LIGHT - Indicator (right gear)	1	
-25	67422-07		LIGHT - Indicator (nose gear)	1	
-26	67422-11		LIGHT - Indicator (warning gear unsafe)	1	
-27	472 825		LIGHT - Indicator (MS25041-6)	1	
-28	472 054	W	LAMP - (PS10008-330)	5	
-29	86357-02		RESISTOR ASSEMBLY	1	
-30	454 714		CIRCUIT BREAKER - (PS50120-2-1) 5 amp	AR	
	454 720		CIRCUIT BREAKER - (PS50120-2-2) 8 amp	AR	
	454 715		CIRCUIT BREAKER - (PS50120-2-3) 10 amp	AR	
	454 716		CIRCUIT BREAKER - (PS50120-2-4) 15 amp	AR	
	454 718		CIRCUIT BREAKER - (PS50120-2-6) 25 amp	AR	
	454 758		CIRCUIT BREAKER - (PS50120-5-3) 60 amp	AR	
-31	67487-02		DIODE ASSEMBLY	1	
-32	86596-02	B,F	COVER ASSEMBLY - Switch panel (lighted)	1	
	86596-06	C,F	COVER ASSEMBLY - Switch panel (lighted)	1	
-33	553 671		* BULB - (MS90452-7133)	12	
-34	565 516		HOLDER - Lamp (PS10082-1-1)	17	
-35	453 602		BUTTON - Plug (SS48152)	AR	
-36	86167-02	H	PANEL ASSEMBLY - Circuit breaker	1	
	86167-03	J	PANEL ASSEMBLY - Circuit breaker	1	
-37	37558-02		INSULATOR - Circuit breaker panel	2	
-38	86431-02	B	PANEL ASSEMBLY - Annunciator	1	
	37520-04	A,B	PANEL ASSEMBLY - Annunciator	1	44-8095022 and up
	37520-03	C	PANEL ASSEMBLY - Annunciator	1	
-39	67422-14		* LIGHT - indicator (ALT)	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
69-40	67422-13	B	* LIGHT - Indicator (VAC)	1	
	67422-15	D	* LIGHT - Indicator (GYRO AIR)	1	
-41	67422-12	B	* LIGHT - Indicator (OIL)	1	
	67422-22	A,B	* LIGHT - Indicator (CARB. ICE)	1	44-8095022 and up
	67422-21	C	* LIGHT - Indicator (OVER BST)	1	
-41a	67422-12	D	* LIGHT - Indicator (OIL)	1	
-41b	67422-22	A,B	* LIGHT - Indicator (CARB. ICE)	1	44-8095022 and up
	67422-21	C	* LIGHT - Indicator (OVER BST)	1	
-42	487 904	W	* SWITCH - (39-1)	1	
-43	472 054	W	* BULB - (PS10008-330)	2	
-43a	472 054	D,W	* BULB - (PS10008-330)	2	
-44	453 695	W	* BULB - (PS10008-328)	1	
-45	96601-03		LINK - Bus	1	
-46	472 056		LAMP - (PS10008-53)	16	
-47	472 086		LAMP - (PS10008-336)	8	
-48	66713-00		PLATE - Switch cover	AR	
-49	588 432		STRIP - Terminal (MS25123-1-4B)	1	
-50	460 602		FILTER - Lunar white (1813-26)	16	
-51	37385-02		SUPPORT - Circuit breaker	1	
-52	487 087		SOCKET - Lamp, cluster	8	
-53	86599-02		INSULATOR - Switch panel	1	
-54	86361-04	G	LINK - Bus	1	
-55	587 923	E	SWITCH - Radio master (PS10095-1)	1	
-56	587 923	C	SWITCH - Radio master (PS10095-1)	1	44-8107033, 44-8207001 and up
-57	484 209	G	RELAY - Radio master switch (PS50053-2-2)	1	
	484 209	C	RELAY - Radio master switch (PS50053-2-2)	2	44-8107033, 44-8207001 and up
-58	463 615	G	GUARD - (MS25224-1)	1	
-59	36936-03	G	BRACKET - Bus switch	1	
-60	548 511	B	DETECTOR - Carburetor ice (107AP-PA44-180)	1	44-8095022 and up
-61	763 496	B	* PROBE - Carburetor ice detector (107AP-P-P)	2	44-8095022 and up
-62	37756-03	C	SWITCH ASSEMBLY - Primer, fuel	2	
-63	36935-04	G	SWITCH ASSEMBLY - Emergency bus	1	
-64	86947-02	J	LIGHT ASSEMBLY - Starter	1	
-65	572 584	J	* LIGHT - (SDLBDA02-07219)	1	
-66	86970-02	J	FUSE ASSEMBLY - Circuit breaker	1	
-67	461 676	J	* FUSE - (311030)	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

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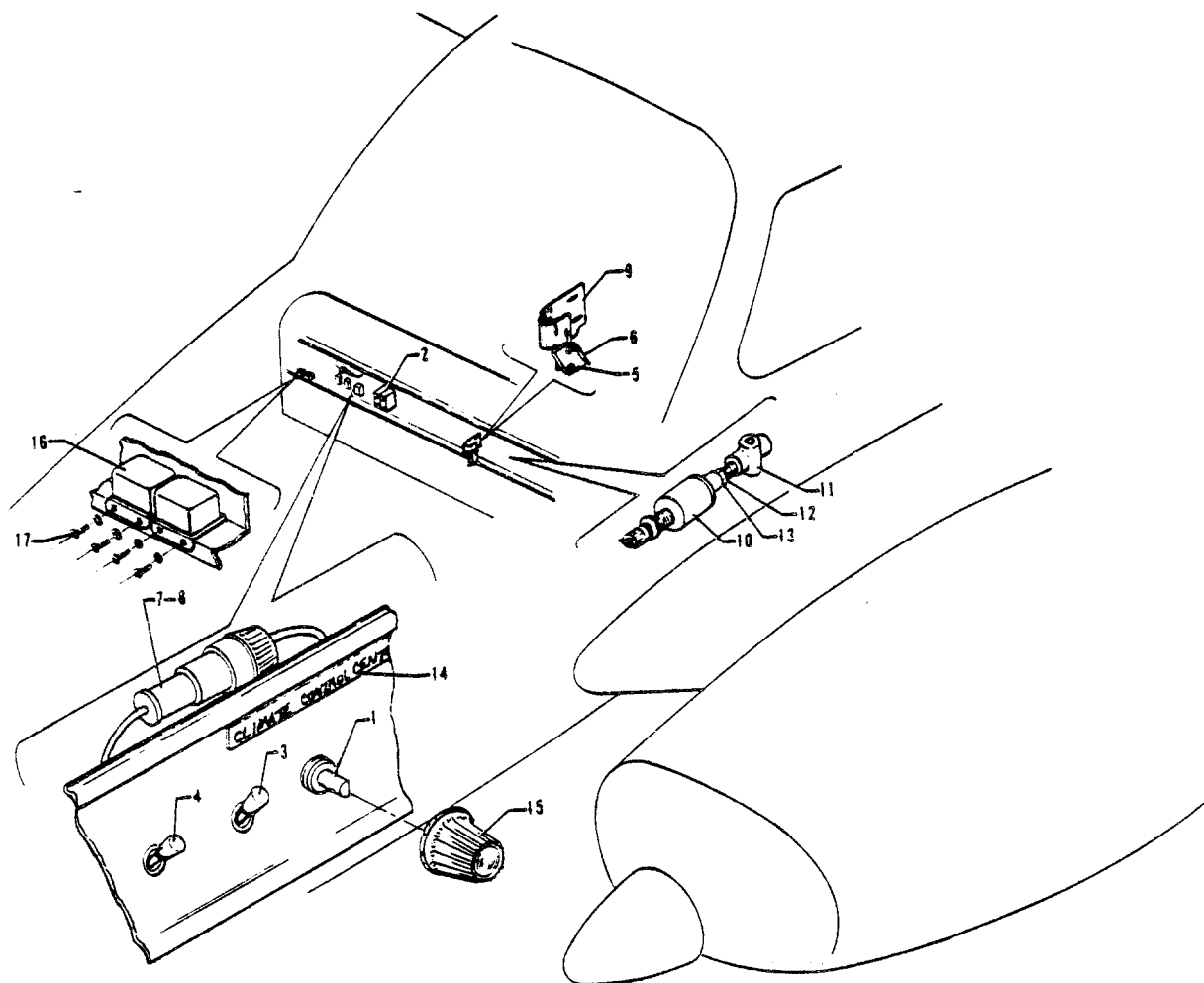


Figure 69A. Air Conditioning Electrical Installation
 (PA-44-180 - Serial Nos. 44-8195001 and up)
 (PA-44-180T - Serial Nos. 44-8107027 and up)

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 69A

- A - Used on PA-44-180 with serial numbers 44-8195001 and up, and PA-44-180T with serial numbers 44-8107027 and up.
- B - Used on PA-44-180 only.
- C - Used on PA-44-180T only.
- W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
69A-	39708		DRAWING - Air Conditioning Electrical Installation		
-1	99717-00		THERMOSTAT - Air conditioning	1	
-2	454 717		CIRCUIT BREAKER - (PS50120-2-5)	2	
-3	688 235		SWITCH - Air conditioning blower (8946K942)	1	
-4	587 923		SWITCH - Air conditioning (PS10095-1)	1	
-5	487 925	B.W	SWITCH - Air conditioning cut-out (V3-1)	1	
-6	451 834	B	ACTUATOR - (JV-7)	1	
-7	461 829		FUSE - (311005)	2	
-8	465 258		HOLDER - Fuse (155020)	2	
-9	96161-02	B	BRACKET - Cut-out switch	1	
-10	588 073	C	SWITCH - Manifold pressure (214C40-1-61)	1	
-11	455 405	C.W	CROSS - (AN918-1D)	1	
-12	87432-02	C	ADAPTER - Switch	1	
-13	462 058	C.W	"O" RING - (MS29512-04)	1	
-14	35669-192		PLACARD - Climate control center	1	
-15	571 162		KNOB - Thermostat (RB-67-1-SBM)	1	
-16	484 209		RELAY - (PS50053-2-2)	2	
-17	415 535	W	SCREW - (MS35206-245)	4	
	407 563	W	WASHER - (AN960-8)	4	
	404 910	W	NUT - (MS20365-832C)	4	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

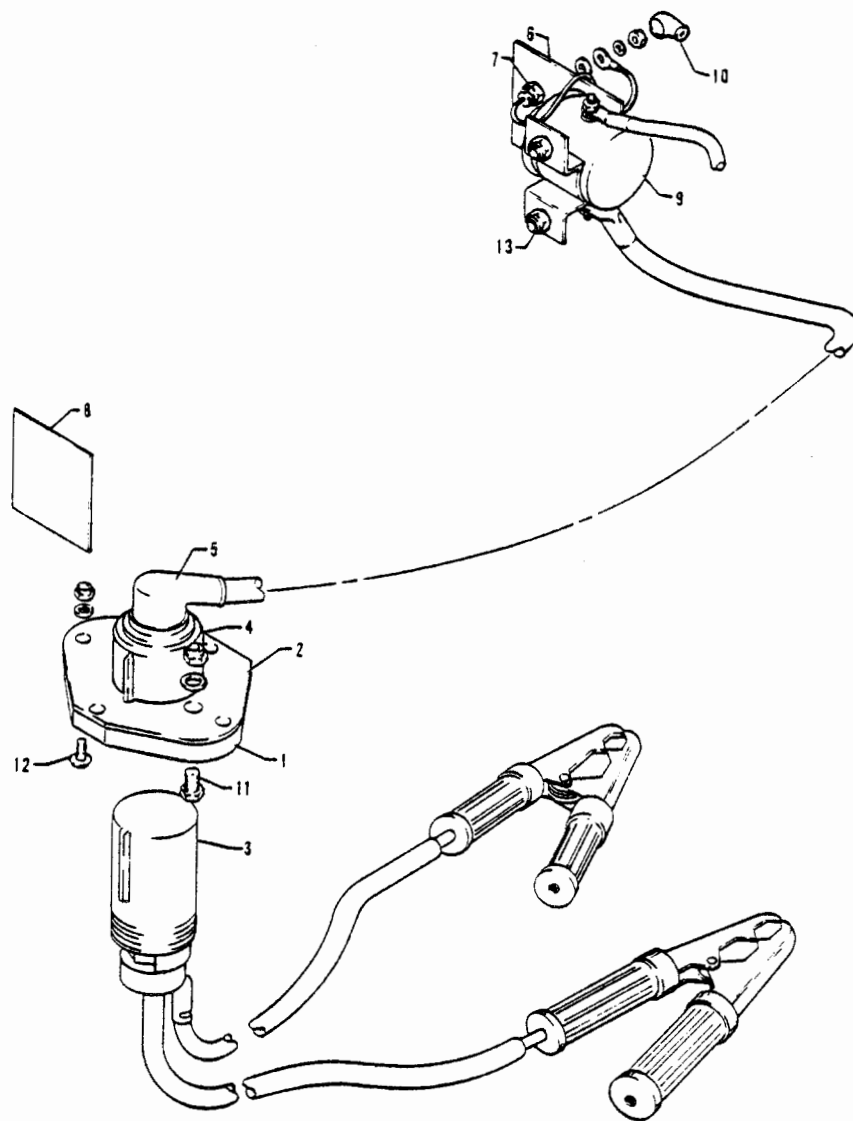


Figure 70. External Power Supply Installation

REVISED: MARCH 1980

2C4

PA-44-180
PA-44-180T

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 70

W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
70-	86680		DRAWING - Auxiliary Power Installation		
-1	62226-00	W	SPACER - Auxiliary power receptacle	1	
-2	62227-00	W	PLATE - Auxiliary power receptacle	1	
-3	62355-02	W	PLUG ASSEMBLY - Power connector	1	
-4	62355-12		SOCKET ASSEMBLY - Power connector	1	
-5	23969-04		* NIPPLE	1	
-6	68198-00		SUPPORT - Diode mounting	1	
-7	456 728	W	DIODE - (1N3208)	1	
-8	35669-102		PLACARD - External power	1	
-9	484 373	W	RELAY - (24059)	1	
-10	23969-02		NIPPLE	1	
-11	400 728		BOLT - (AN25-11A)	2	
	407 566	W	WASHER - (AN960-516)	2	
	407 106	W	WASHER - (AN935-516)	2	
	404 323		NUT - (AN316-5R)	2	
-12	416 794	W	SCREW - (MS24693S275)	4	
	494 087		WASHER - (A3235-020-1)	4	
	407 564	W	WASHER - (AN960-10)	4	
	404 835	W	NUT - (MS20364-1032C)	4	
-13	401 306	W	BOLT - (AN4-3A)	2	
	407 565	W	WASHER - (AN960-416)	2	
	404 836	W	NUT - (MS20364-428C)	2	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

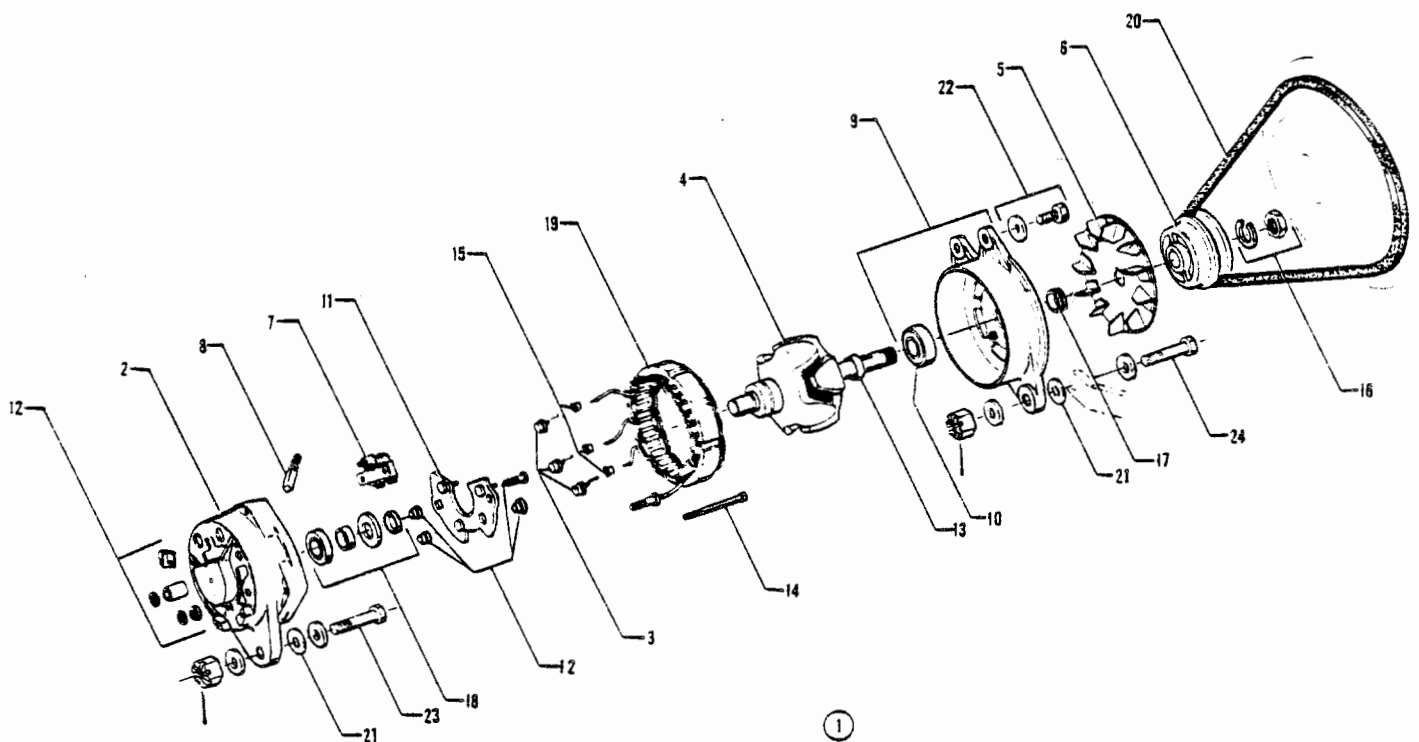


Figure 71. Alternator Installation (Prestolite)

REVISED: APRIL 1981

2C7

PA-44-180
PA-44-180T

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 71

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
71-	86839		DRAWING - Alternator Installation		
-1	751 346		ALTERNATOR ASSEMBLY - Prestolite (ALY-6421)	1	
-2	755 271		* HEAD ASSEMBLY - Slip ring end (ALK-1132BS-1)	1	
-3	757 387		* * PACKAGE - Rectifier, negative (XA-944JS)	1	
-4	762 509		* ROTOR - (ALE-2173S-1)	1	
-5	754 827		* FAN ASSEMBLY - Ventilating (90-2241)	1	
-6	757 391		* PULLEY - Drive (PU-672A)	1	
-7	758 224		* BRUSH, HOLDER AND SPRING ASSEMBLY - (ALE-1045BS)	1	
-8	758 471		* * BRUSH SET - Alternator (ALE-1013AS)	1	
-9	755 232		* HEAD ASSEMBLY - Drive end (ALE-1003K)	1	
-10	758 225		* * BEARING - Ball, seal (X-3416)	1	
-11	756 060		* RECTIFIER AND PLATE ASSEMBLY - Positive (ALE-1054A)	1	
-12	761 903		* TERMINAL STUD AND PARTS PACKAGE - (90-2043)	1	
-13	756 081		* RETAINER - Drive end (GR-32)	1	
-14	757 388		* PACKAGE - Thru bolt (ALA-20JS)	1	
-15	757 389		* PACKAGE - Eyelet (90-818)	1	
-16	757 390		* PACKAGE - Nut and washer (90-33)	1	
-17	757 720		* SPACER - Rotor shaft (ALD-21)	1	
-18	757 386		* PACKAGE - Bearing and seal S. R. E. (90-2014)	1	
-19	757 719		* STATOR ASSEMBLY - (ALE-2008AES)	1	
-20	452 555		BELT - (3V375)	1	
-21	486 620		SHIM - (76534)	AR	
-22	758 524		BOLT - (LW-31H.75)	1	
	494 027		WASHER - (STD-1727)	1	
-23	400 208		BOLT - (AN6-13)	1	
	494 026		WASHER - (STD-33)	2	
	477 772		NUT - (STD-872)	1	
	480 776		COTTER PIN - (STD-713)	1	
-24	400 209		BOLT - (AN6-14)	1	
	494 028		WASHER - (STD-33)	2	
	477 772		NUT - (STD-872)	1	
	480 776		COTTER PIN - (STD-713)	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

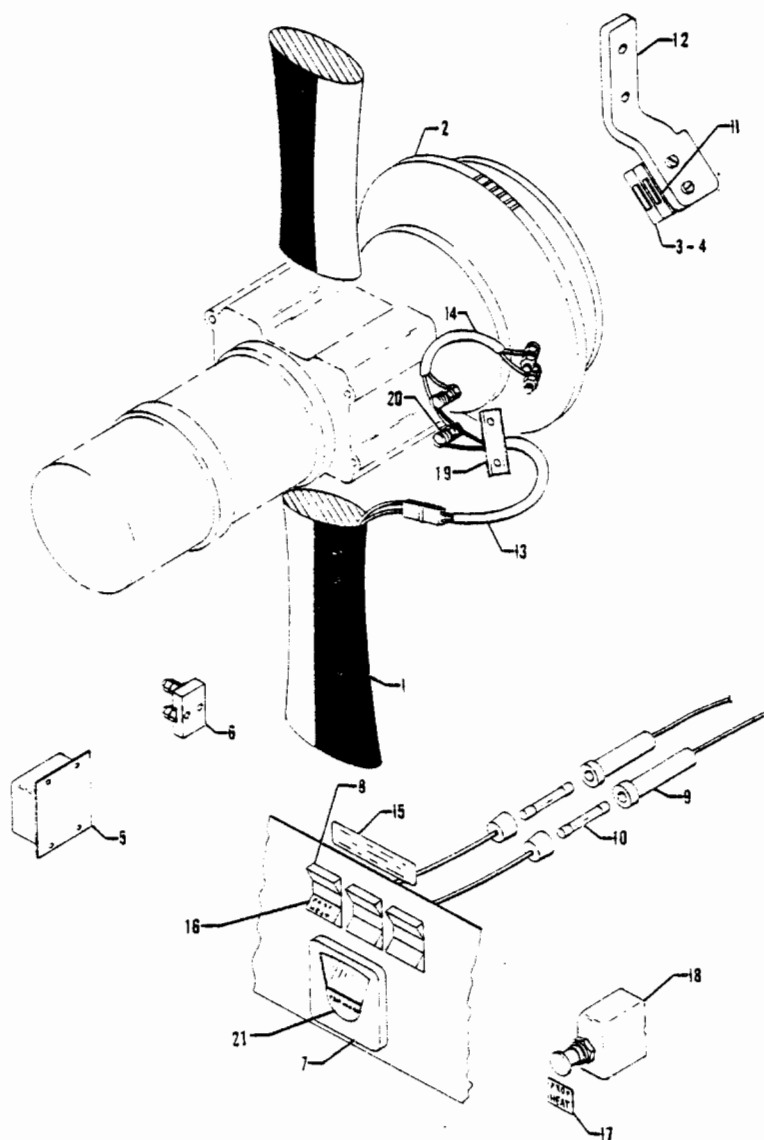


Figure 71A. Two Blade Heated Propeller System Installation
(Serial Nos. 44-8107033, 44-8107035 and up)

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 71A

W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
71A-	86909		DRAWING - Heated Propeller Installation		
-1	758 463		DEICER - Propeller, left (4E2303-10)	2	
	758 464		DEICER - Propeller, right (4E2292-10)	2	
-2	762 465		SLIP RING ASSEMBLY - Left (5E1857-3)	1	
	762 466		SLIP RING ASSEMBLY - Right (5E1922)	1	
-3	758 556		MODULAR BRUSH ASSEMBLY - (3E2090-1)	2	
-4	758 435		* BRUSH MODULE ASSEMBLY - (3E2011-2)	1	
	758 436		* BRUSH MODULE ASSEMBLY - (3E2011-3)	1	
-5	762 006		TIMER - Propeller deicer (3E1964-3)	1	
-6	486 636		SHUNT - Ammeter (MS91586-1)	1	
-7	548 084		AMMETER - (3E1389-8)	1	
-8	99377-34		SWITCH - Prop deice	1	
-9	465 258		FUSEHOLDER - (155020)	2	
-10	461 629	W	FUSE - (311005) 5 amp	2	
-11	486 557		SHIM - (1E1157)	4	
-12	758 557		BRACKET - Mounting (3E2086)	2	
-13	755 335		HARNESS - Deicer (3E2050)	4	
-14	755 336		HARNESS - Slip ring (3E2123)	2	
-15	69669-02		PLACARD - Not approved for flight in icing conditions	1	
-16	87369-14		PLACARD - Prop heat	1	
-17	87369-14		PLACARD - Prop heat	1	44-8107035 to 44-8107076 incl.
-18	454 718		CIRCUIT BREAKER - (PS50120-2-6) 25 amp	1	
-19	554 637		CLIP - Lead (3E1271-2)	4	
-20	453 996		BUSHING - (2E1260)	16	
-21	87369-15		PLACARD - Prop heat amps	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

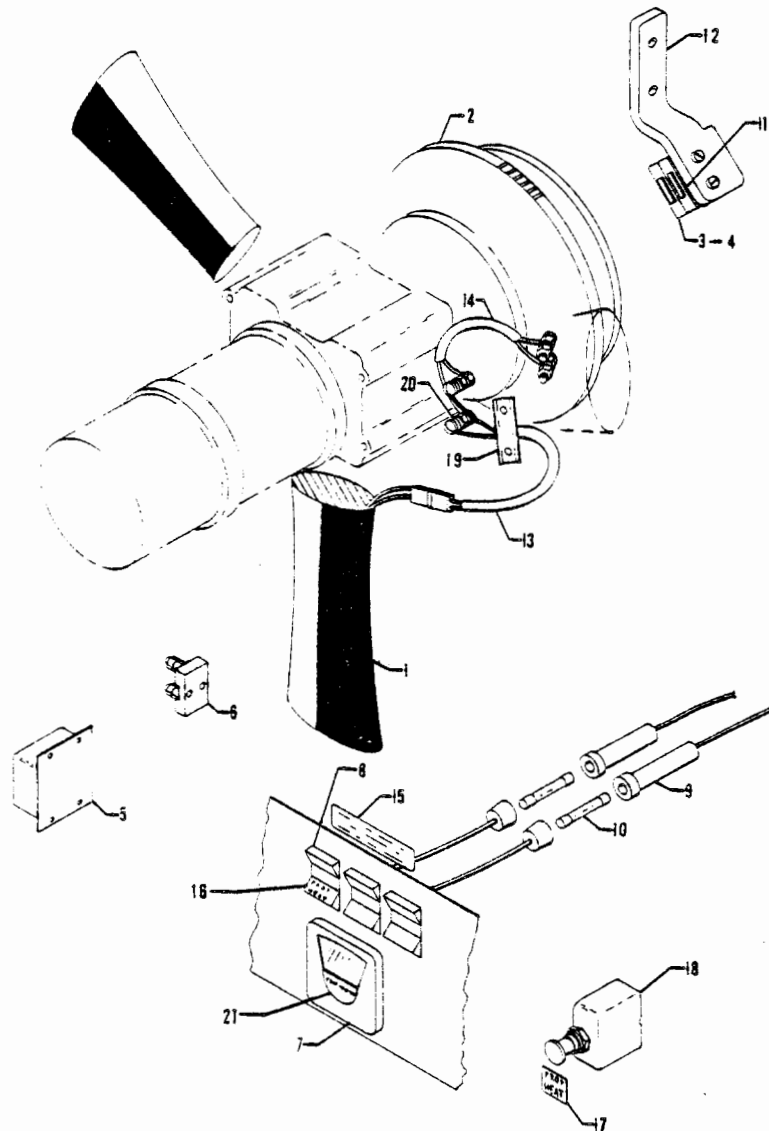


Figure 718. Three Blade Heated Propeller System Installation
(Serial Nos. 44-8107033, 44-8107035 and up)

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 718

W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
71B-	86909		DRAWING - Heated Propeller Installation		
-1	758 463		DEICER - Propeller, left (4E2303-10)	3	
	758 464		DEICER - Propeller, right (4E2292-10)	3	
-2	762 467		SLIP RING ASSEMBLY - Left (5E1932-1)	1	
	762 468		SLIP RING ASSEMBLY - Right (5E1925-1)	1	
-3	758 556		MODULAR BRUSH ASSEMBLY - (3E2090-1)	2	
-4	758 435		* BRUSH MODULE ASSEMBLY - (3E2011-2)	1	
	758 436		* BRUSH MODULE ASSEMBLY - (3E2011-3)	1	
-5	762 006		TIMER - Propeller deicer (3E1964-3)	1	
-6	486 624		SHUNT - Ammeter (MS91586-2)	1	
-7	763 025		AMMETER - (3E1389-7)	1	
-8	99377-34		SWITCH - Prop deice	1	
-9	465 258		FUSEHOLDER - (155020)	2	
-10	461 829	W	FUSE - (311005) 5 amp	2	
-11	486 557		SHIM - (1E1157)	4	
-12	758 557		BRACKET - Mounting (3E2086)	2	
-13	755 335		HARNESS - Deicer (3E2050)	6	
-14	755 337		HARNESS - Slip ring (3E2162)	3	
-15	69669-02		PLACARD - Not approved for flight in icing conditions	1	
-16	87369-14		PLACARD - Prop heat	1	
-17	87369-14		PLACARD - Prop heat	1	44-8107035 to 44-8107076 incl.
-18	454 718		CIRCUIT BREAKER - (PS50120-2-6) 25 amp	1	
-19	554 637		CLIP - Lead (3E1271-2)	6	
-20	453 996		BUSHING - (2E1260)	24	
-21	87369-15		PLACARD - Prop heat amps	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

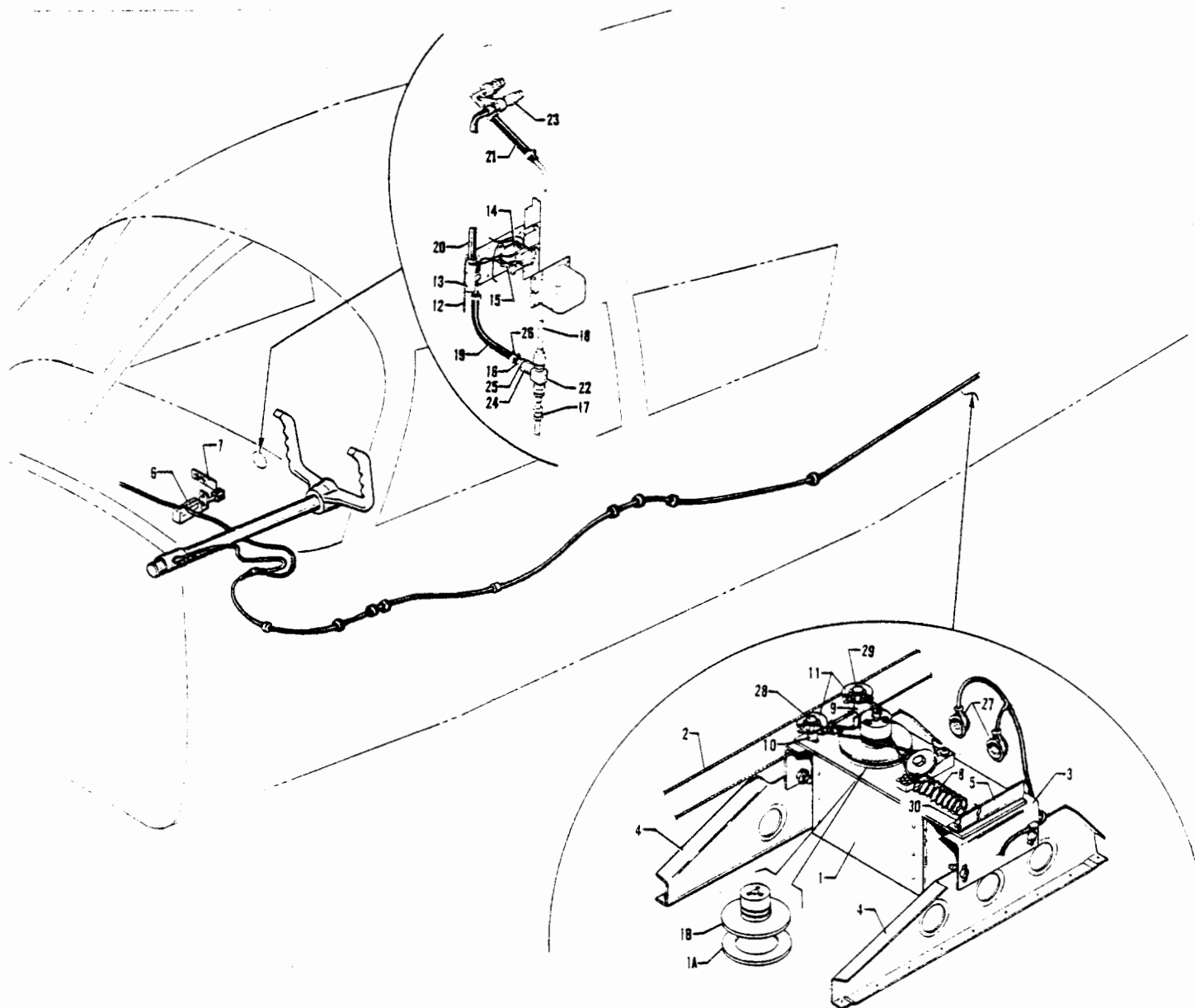


Figure 72. Electric Trim Installation

REVISED: AUGUST 1981

2C16

PA-44-180
PA-44-180T

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 72

- A - Used on PA-44-180 with serial numbers 44-7995001 to 44-8095025 inclusive, and PA-44-180T with serial numbers 44-8107001 to 44-8107011 inclusive.
- B - Used on PA-44-180 with serial numbers 44-8095026 and up, and PA-44-180T with serial numbers 44-8107012 and up.
- W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
72-	67496 79636		DRAWING - Electric Trim Installation DRAWING - Electric Trim Stop Sensor Installation		
-1	65821-03	A	SERVO ASSEMBLY - Trim	1	
	65821-04	B	SERVO ASSEMBLY - Trim	1	
-1a	494 159		* WASHER - Servo friction (24696-00)	1	
-1b	581 126		* PLATE - Servo clutch, outer (24695-00)	1	
-2	62701-161		CABLE ASSEMBLY - Pitch trim	1	
-3	86682-02		BRACKET ASSEMBLY - Electric trim	2	
-4	96978-00		BRACKET - Electric trim, left	1	
	96978-03		BRACKET - Electric trim, right	1	
-5	86682-04		BRACKET - Electric trim	1	
-6	67445-04		SWITCH ASSEMBLY - Electric trim	1	
-7	67490-02		PLACARD - Pitch trim	1	
-8	65784-00		SPRING - Electric trim	1	
-9	63900-66		BUSHING - Electric trim	1	
-10	63900-67		BUSHING - Electric trim	1	
-11	481 640		PULLEY - (MS24566-18)	2	
-12	79657-08		SENSOR ASSEMBLY - Electric trim stop	1	
-13	486 416		* SENSOR - (MPL-501G-10 to 30)	1	
-14	484 229		* RELAY - (RS5D12)	1	
-15	484 524		* RESISTOR - (180 ohm, 1 watt, type GB)	1	
-16	79636-04		TUBE	2	
-17	37343-59		TUBE	1	
-18	37343-60		TUBE	1	
-19	63913-172		HOSE	1	
-20	63913-151		HOSE	1	
-21	63913-173		HOSE	1	
-22	79636-10		TEE	1	
-23	488 310	W	TEE - (AN826-3D)	1	
-24	477 611		NUT - (AN818-3D)	2	
-25	486 896		SLEEVE - (MS20819-3D)	2	
-26	554 861	W	CLAMP - (SAE TY F-4)	2	
-27	23969-02		NIPPLE	2	
-28	400 443	W	BOLT - (AN3-12A)	1	
	407 564	W	WASHER - (AN960-10)	1	
	404 887	W	NUT - (MS20365-1032C)	1	
-29	400 444	W	BOLT - (AN3-13A)	1	
	407 564	W	WASHER - (AN960-10)	1	
	404 887	W	NUT - (MS20365-1032C)	1	
-30	400 440	W	BOLT - (AN3-6A)	2	
	407 564	W	WASHER - (AN960-10)	2	
	404 887	W	NUT - (MS20365-1032C)	2	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

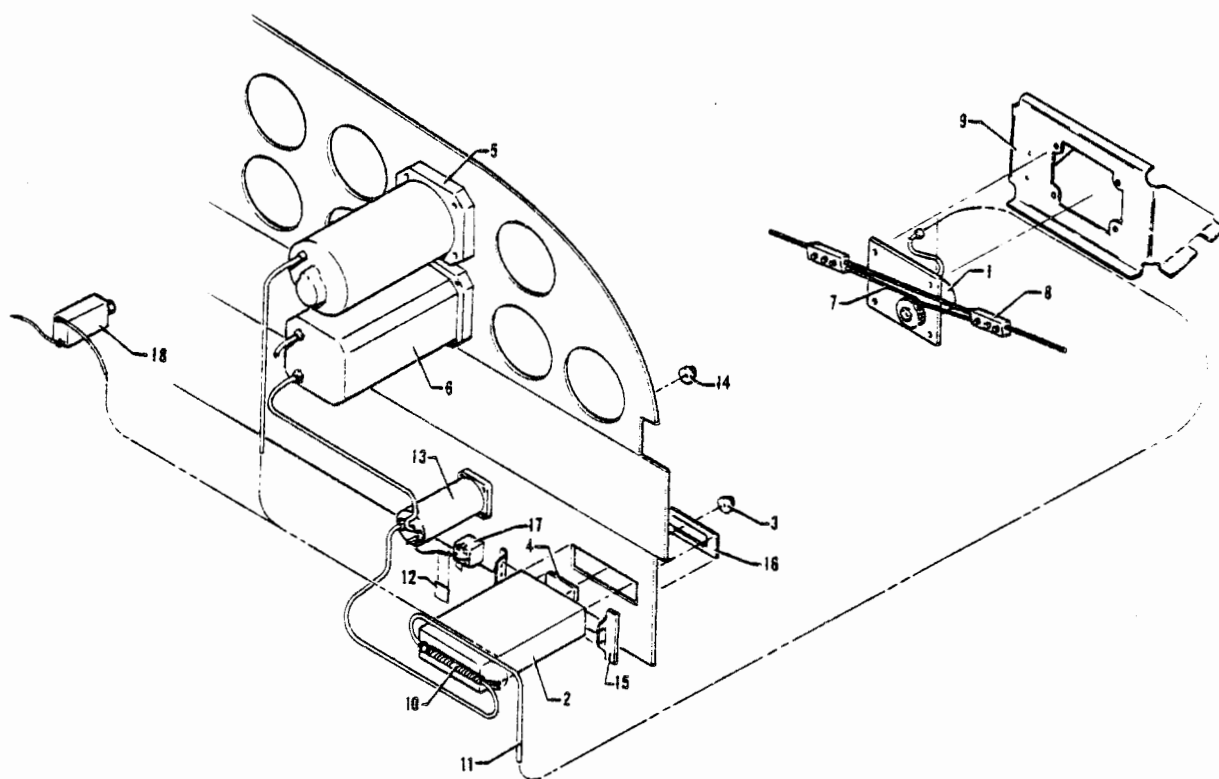


Figure 73. AutoControl III B Installation
(PA-44-180 - Serial Nos. 44-7995001 to 44-8095037 incl.)
(PA-44-180T - Serial Nos. 44-8107001 to 44-8107026 incl.)

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 73

- A - Used on PA-44-180 with serial numbers 44-7995001 to 44-8095037 inclusive, and PA-44-180T with serial numbers 44-8107001 to 44-8107026 inclusive.
- B - Used when NSD-360 is installed.
- C - When ordering, specify color "bark II" or black.
- D - Used on PA-44-180 only.
- E - Used on PA-44-180 with serial numbers 44-7995228 to 44-8095037 inclusive, and PA-44-180T with serial numbers 44-8107001 to 44-8107026 inclusive.
- W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
73-	78250		DRAWING - AutoControl III B Installation		
-1	762 422		SERVO ASSEMBLY - Roll (1C363-1-757R)	1	
-2	758 023		CONSOLE AMPLIFIER ASSEMBLY - AutoControl III B (1C338 S/N 10001 and up)	1	
-3	757 052	W	* KNOB - (36A98)	1	
-4	758 024	W	* CIRCUIT BOARD - Face plate light (includes 4 bulbs) 1B686	1	
-5	550 780	W	INSTRUMENT - Attitude gyro (32172-00) (3 inch)	1	
-6	550 778	W	INSTRUMENT - Directional gyro (32168-00)	1	
-7	753 980		CABLE ASSEMBLY - Bridle (30B200)	1	
-8	757 863	W	CLAMP ASSEMBLY - Bridle cable (42A173-1)	2	
-9	453 426		BRACKET - Servo mounting (7C511-2)	1	
-10	751 987	W	HARNESS ASSEMBLY - Amplifier (30C198)	1	
-11	758 002		CABLE ASSEMBLY - Roll servo extension (30C211-156R)	1	
-12	69509-00	D	PLACARD - Omni coupler switch	1	44-7995001 to 44-7995227 incl
	35669-126	E	PLACARD - Omni coupler switch	1	
-13	551 114	W	COUPLER ASSEMBLY - Omni (25690-00)	1	
	25690-02	B,W	COUPLER ASSEMBLY - Omni	1	
-14	757 052	W	* KNOB - (36A98)	1	
-15	67494-00		ANGLE - Console mounting, left	1	
	67494-01		ANGLE - Console mounting, right	1	
-16	79560-00	C	COVER - Console amplifier	1	
-17	688 164		SWITCH - Omni coupler (MTG-206P)	1	
-18	454 714		CIRCUIT BREAKER - (41-2-S14-LN2) 5 amp	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

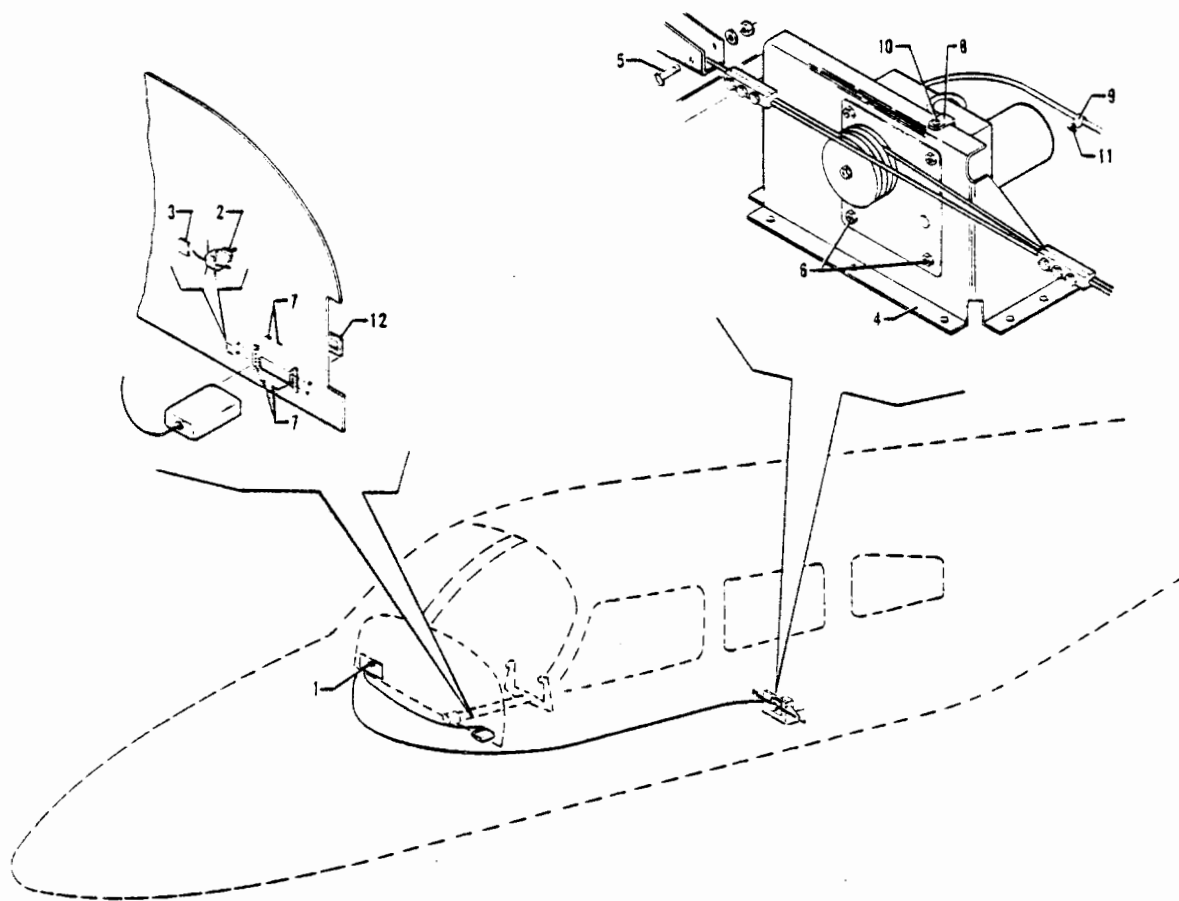


Figure 73A. Century 21 AutoPilot Installation
(PA-44-180 - Serial Nos. 44-8195001 and up)
(PA-44-180T - Serial Nos. 44-8107027 and up)

REVISED: APRIL 1981

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 73A

- A - Used on PA-44-180 with serial numbers 44-8195001 and up, and PA-44-180T with serial numbers 44-8107027 and up.
- B - This installation is relative only to associated Piper Aircraft Corporation parts that are used when installing Mitchell Century 21 AutoPilot. All Mitchell equipment and components must be procured from an authorized Mitchell Service Center or from Edo-Aire Mitchell, Post Office Box 610, Municipal Airport, Mineral Wells, Texas 76067.
- C - Used if NSD-360A is not installed.
- W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
73A-	39726		DRAWING - Century 21 AutoPilot Installation		
-1	454 714		CIRCUIT BREAKER - (PS50120-2-1) 5 amp	1	
-2	688 153	C	SWITCH - (SF3GBX191)	1	
-3	87369-05		PLACARD - Nav 1 off Nav 2	1	
-4	453 426		BRACKET - Mounting (7C511-2)	1	
-5	415 540	W	SCREW - (MS35206-250)	1	
	407 563	W	WASHER - (AN960-8)	1	
	404 910	W	NUT - (MS20365-832C)	1	
-6	400 438	W	BOLT - (AN3-4A)	4	
	407 674	W	WASHER - (AN960-C10)	4	
	404 887	W	NUT - (MS20365-1032C)	4	
-7	414 695	W	SCREW - (MS24693-S4)	6	
-8	554 954	W	CLAMP - (PS10017-8-4)	1	
-9	487 722	W	CLAMP - (PS10017-3-3-6F)	1	
-10	415 533	W	SCREW - (MS35206-243)	1	
	404 910	W	NUT - (MS20365-832C)	1	
-11	415 544	W	SCREW - (MS35206-244)	1	
	407 120	W	NUT - (AN936-88)	1	
-12	39800-02		INSERT - AutoPilot	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

This diagram is an exploded view of a mechanical assembly, likely a vehicle's rear suspension or steering component. It features a central chassis with various sub-assemblies attached. Key components include a coil spring assembly (top left), a shock absorber (top right), a control arm (bottom left), a steering knuckle (bottom right), and a tie rod end (bottom center). Numerous parts are labeled with numbers, indicating their specific functions and assembly order. The diagram is a technical drawing showing the spatial relationship between the components.

REVISÉ: APRIL 1981

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 74

- A - Used on PA-44-180 with serial numbers 44-7995001 to 44-8095037 inclusive, and PA-44-180T with serial numbers 44-8107001 to 44-8107026 inclusive.
- B - Used when Dual Omni Coupler is installed.
- C - Used when Glide Slope Coupler is installed.
- D - Used when NSD-360A is installed.
- E - Used on PA-44-180 only.
- F - Used on PA-44-180 with serial numbers 44-7995228 to 44-8095037 inclusive, and PA-44-180T with serial numbers 44-8107001 to 44-8107026 inclusive.
- W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
74-	86638		DRAWING - AltiMatic III C Installation		
-1	762 422		SERVO ASSEMBLY - Roll (1C363-1-757R)	1	
-2	762 353		SERVO ASSEMBLY - Trim (1C373-6-719)	1	
-3	762 252		SERVO ASSEMBLY - Pitch (1C508-1-529P)	1	
-4	758 026	W	CONSOLE - AltiMatic III C (1D720)	1	
-5	780 899	W	* KNOB - Roll (36B141)	1	
-6	757 456	W	* PLATE - Face (13C767) (with 6 bulbs)	1	
-7	751 314		AMPLIFIER - (1C515-1)	1	
-8	751 347		ALTITUDE HOLD - (1C725) (includes mounting brackets and shock mounts)	1	
-9	763 008		AMPLIFIER - Trim (1C709-16)	1	
-10	758 181		BOX - Relay (1A526)	1	
-11	550 559	W	INSTRUMENT - Attitude gyro (32173-02)	1	
	596 755	W	INSTRUMENT - Horizontal situation indicator, unslaved (NSD-360A/52D136-1333)	1	
-12	550 778	W	INSTRUMENT - Directional gyro (32168-00)	1	
-13	551 114	W	COUPLER ASSEMBLY - Omni (25690-00)	1	
	25690-02	D.W	COUPLER ASSEMBLY - Omni	1	
-14	757 052	W	* KNOB - (36A98)	1	
-15	751 300	W	COUPLER ASSEMBLY - Glide slope (1C493)	1	
-16	753 980		CABLE ASSEMBLY - Bridle (30B200)	1	
-17	763 275		CABLE ASSEMBLY - (30C481-4)	1	
-18	763 360		CABLE ASSEMBLY - (30C174-8)	1	
-19	763 277		CABLE ASSEMBLY - (30C156-12)	1	
-20	763 278		CABLE ASSEMBLY - (30D207-34)	1	
-21	596 235	C	CABLE ASSEMBLY - (30C291-1)	1	
-22	763 223		CABLE ASSEMBLY - (30C481-27)	1	
-23	763 281		CABLE ASSEMBLY - (30B340-10)	1	
-24	62701-181		CABLE ASSEMBLY - Control stabilator trim, forward	1	
-25	758 443		BRACKET - Amplifier mounting (64B112-1)	1	
-26	758 405		BRACKET - Altitude hold (7B1774-1)	1	
-27	758 355		BRACKET - (7A972-2)	1	
-28	758 441		BRACKET - Pitch servo mounting, top and bottom (7B1831)	2	
-29	453 426		BRACKET - Servo mounting (7C511-2)	1	
-30	96978-00		BRACKET - Pitch trim servo mounting	1	
-31	96978-03		BRACKET - Pitch trim servo mounting	1	
-32	758 444		BRACKET - Pitch trim servo mounting (7B1943)	1	
-33	758 445		BRACKET - Pitch trim servo mounting (7C1950)	1	
-34	758 448		BUSHING - Pitch trim servo (43A282-2)	1	
-35	758 449		BUSHING - Pitch trim servo (43A154-1)	1	
-36	86238-49		TUBE ASSEMBLY - Firewall drain to static line drain	1	
-37	86238-48		TUBE ASSEMBLY - Altitude hold to firewall	1	
-38	488 380	W	TEE - (AN825-3D)	1	
-39	758 446		BRACKET - Pitch servo (7D1944)	1	
-40	67445-04		SWITCH ASSEMBLY	1	
-41	688 164	B	SWITCH - Omni coupler (MTG-206P)	1	
-42	751 906		GUARD - Cable (7A546)	1	
-43	757 863	W	CLAMP ASSEMBLY - Bridle cable (42A173-1)	4	
-44	67490-02		PLACARD - Electric pitch trim	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
74-45	69669-40	C	PLACARD - Glide slope coupler	1	44-7995001 to 44-7995227 incl.
-46	96734-00	B,E	PLACARD - Omni coupler	1	
	35669-126	B,F	PLACARD - Omni coupler	1	
-47	757 459		PLACARD - Conduct trim check (13A660)	1	
-48	758 447		BRACKET - Pitch trim servo (7B1967)	1	
-49	454 714		CIRCUIT BREAKER - (PS50120-2-1) 5 amp	2	
-50	458 893	W	ELBOW - (AN822-3D)	1	
-51	763 282		CABLE ASSEMBLY - Bridle (30B302)	1	
-52	763 283		CABLE ASSEMBLY - (30B428-1)	1	
-53	596 244	C	LIGHT ASSEMBLY - (30B412-1)	1	
-54	761 173	C	* LAMP - (65S16)	1	
-55	763 352		CABLE ASSEMBLY - (30C211-72R)	1	
-56	763 353		CABLE ASSEMBLY - (30C211-228)	1	
-57	758 465		BRACKET - (7B1966)	1	
-58	758 466		BRACKET - (7B1968)	1	
-59	481 640		PULLEY - (MS24566-1B)	3	
-60	763 354		CABLE ASSEMBLY - (30C211-120)	1	
-61	596 236	C	CABLE ASSEMBLY - (30B295-1)	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

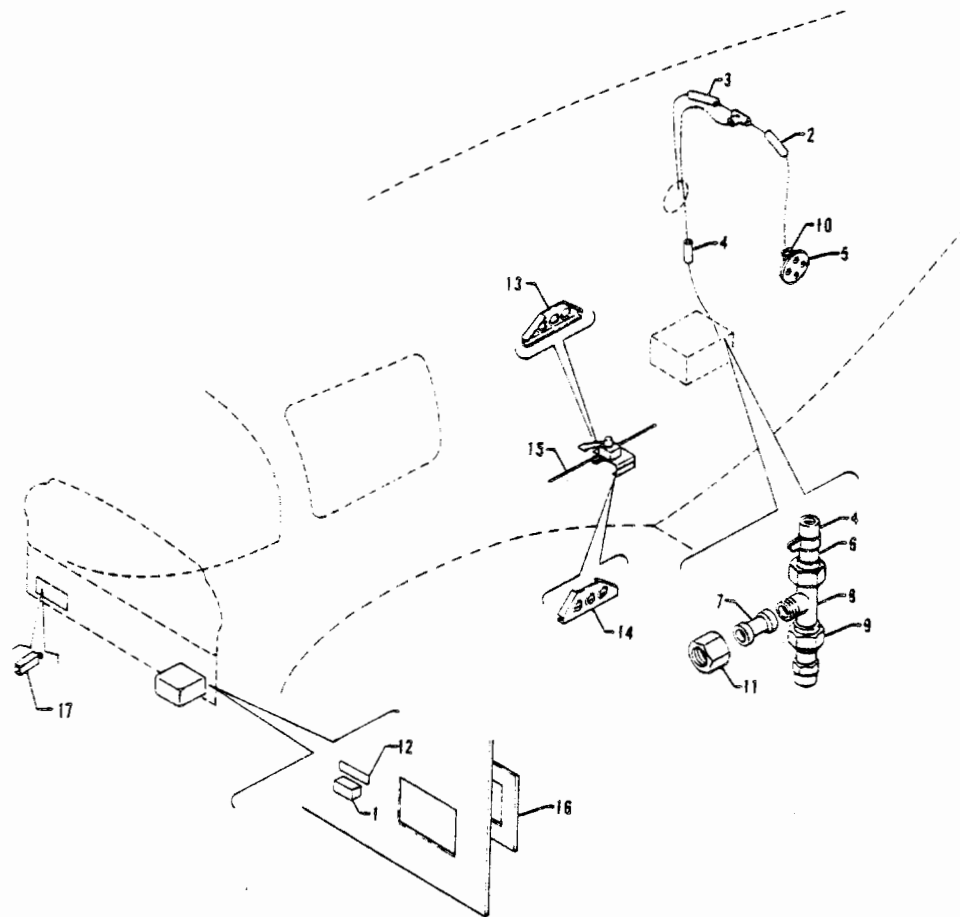


Figure 74A. Century 41 AutoPilot Installation
(PA-44-180 - Serial Nos. 44-8195001 and up)
(PA-44-180T - Serial Nos. 44-8107027 and up)

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 74A

- A - Used on PA-44-180 with serial numbers 44-8195001 and up, and PA-44-180T with serial numbers 44-8107027 and up.
- B - This installation is relative only to associated Piper Aircraft Corporation parts that are used when installing Mitchell Century 41 AutoPilot. All Mitchell equipment and components must be procured from an authorized Mitchell Service Center or from Edo-Aire Mitchell, Post Office Box 610, Municipal Airport, Mineral Wells, Texas 76067.
- W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
74A-	39773		DRAWING - Century 41 AutoPilot Installation		
-1	67445-04		SWITCH ASSEMBLY - Pitch trim	1	
-2	67700-147		TUBE ASSEMBLY - Alternate static, left	1	
-3	67700-148		TUBE ASSEMBLY - Alternate static, right	1	
-4	63913-36		HOSE - Static	1	
-5	78039-00		FITTING ASSEMBLY - Static line vent	2	
-6	67700-160		TUBE ASSEMBLY - Static air	1	
-7	95153-31		TUBE ASSEMBLY - Flight computer	1	
-8	488 310	W	TEE - (MS20826-3D)	1	
-9	455 173	W	COUPLING - (AN910-1D)	1	
-10	458 888	W	ELBOW - (MS20823-3D)	2	
-11	477 646		NUT - (9021)	1	
-12	67490-02		PLACARD - Electric pitch trim	1	
-13	96978-00		BRACKET - Electric pitch trim	1	
-14	96978-03		BRACKET - Electric pitch trim	1	
-15	62701-181		CABLE ASSEMBLY - Pitch trim	1	
-16	39800-03		INSERT - AutoPilot	1	
-17	454 714		CIRCUIT BREAKER - (PS50120-2-1) 5 amp	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

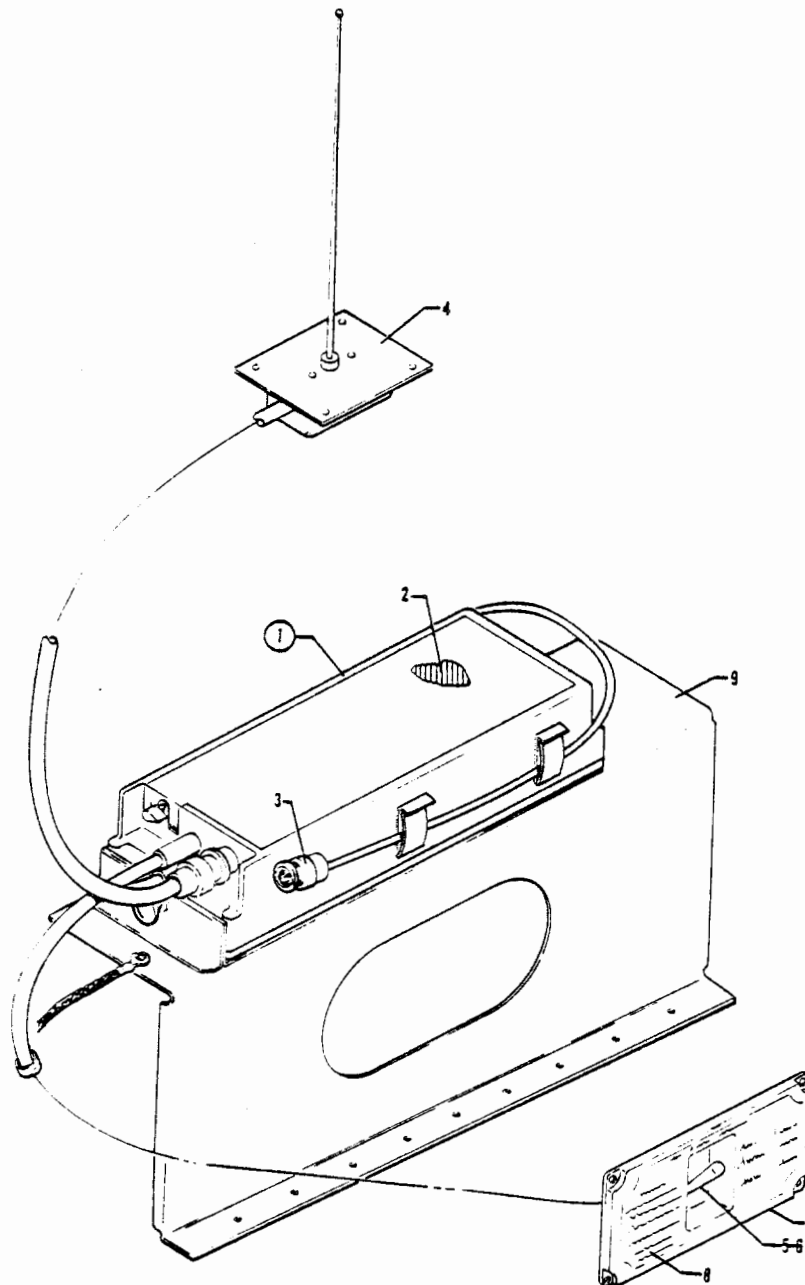


Figure 75. Piper Automatic Locator (ELT) Installation
(Communications Components Corp.)

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 75

A - When ordering, specify color "bark II" or black.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
75-	79761		DRAWING - Emergency Locator Transmitter Installation		
-1	762 030		TRANSMITTER ASSEMBLY - Automatic locator (CIR-11-2) (includes alkaline battery pack)	1	
-2	758 528		* BATTERY PACK - Transmitter assembly (alkaline)	1	
-3	758 092		* ANTENNA ASSEMBLY - Portable (10-249)	1	
-4	763 004		ANTENNA ASSEMBLY - Whip (10-234)	1	
-5	79762-02		SWITCH AND HARNESS ASSEMBLY - ELT	1	
-6	588 030		* SWITCH - (8A2051)	1	
-7	79463-02	A	COVER - ELT switch	1	
-8	69669-66		PLACARD - Warning	1	
-9	86563-02		BRACKET ASSEMBLY - Emergency locator transmitter	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

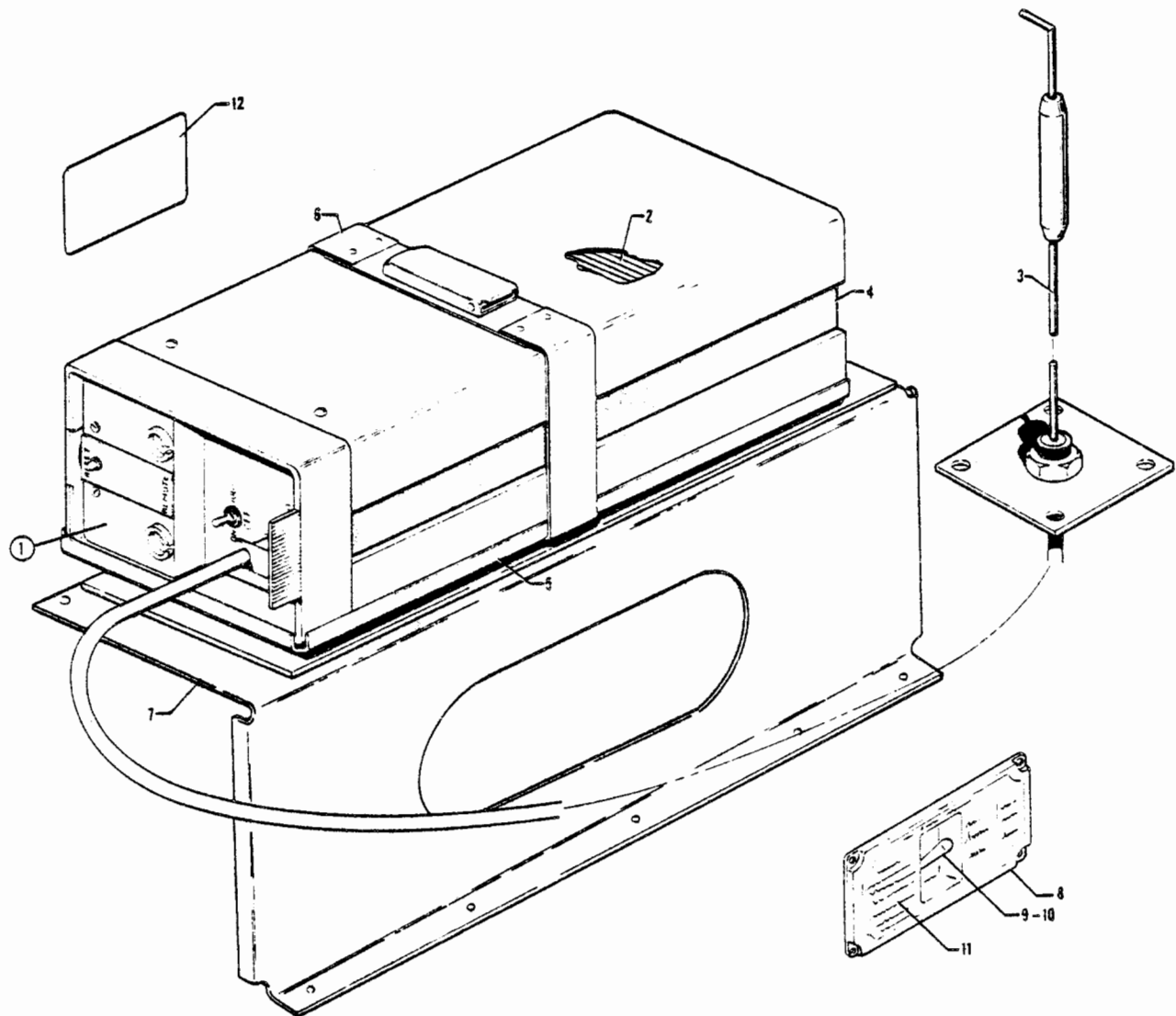


Figure 75A. Piper Automatic Locator (ELT) Installation
(Narco Avionics)

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 75A

A - When ordering specify color "bark II" or black.

W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
75A-	36632		DRAWING - Piper Automatic Locator (ELT) Installation		
-1	597 461		TRANSMITTER ASSEMBLY - Automatic locator (ELT 10) (includes alkaline battery pack)	1	
-2	758 452	W	* BATTERY PACK - Transmitter assembly (57674-0001)	1	
-3	597 257	W	* ANTENNA ASSEMBLY - ELT (01652-0101)	1	
-4	763 019	W	* ANTENNA - Blade, portable (57667-0001)	1	
-5	758 453	W	* BASE - Transmitter assembly (57666-0001)	1	
-6	762 357	W	* STRAP - Transmitter assembly (57682-0101)	1	
-7	86563-04		BRACKET ASSEMBLY - Emergency locator transmitter	1	
-8	79463-00	A	COVER - ELT switch	1	
-9	79599-00		SWITCH AND HARNESS ASSEMBLY - ELT	1	
-10	588 011		* SWITCH - (8E1011)	1	
-11	35669-132		PLACARD - Warning	1	
-12	35669-105		PLACARD - ELT location	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

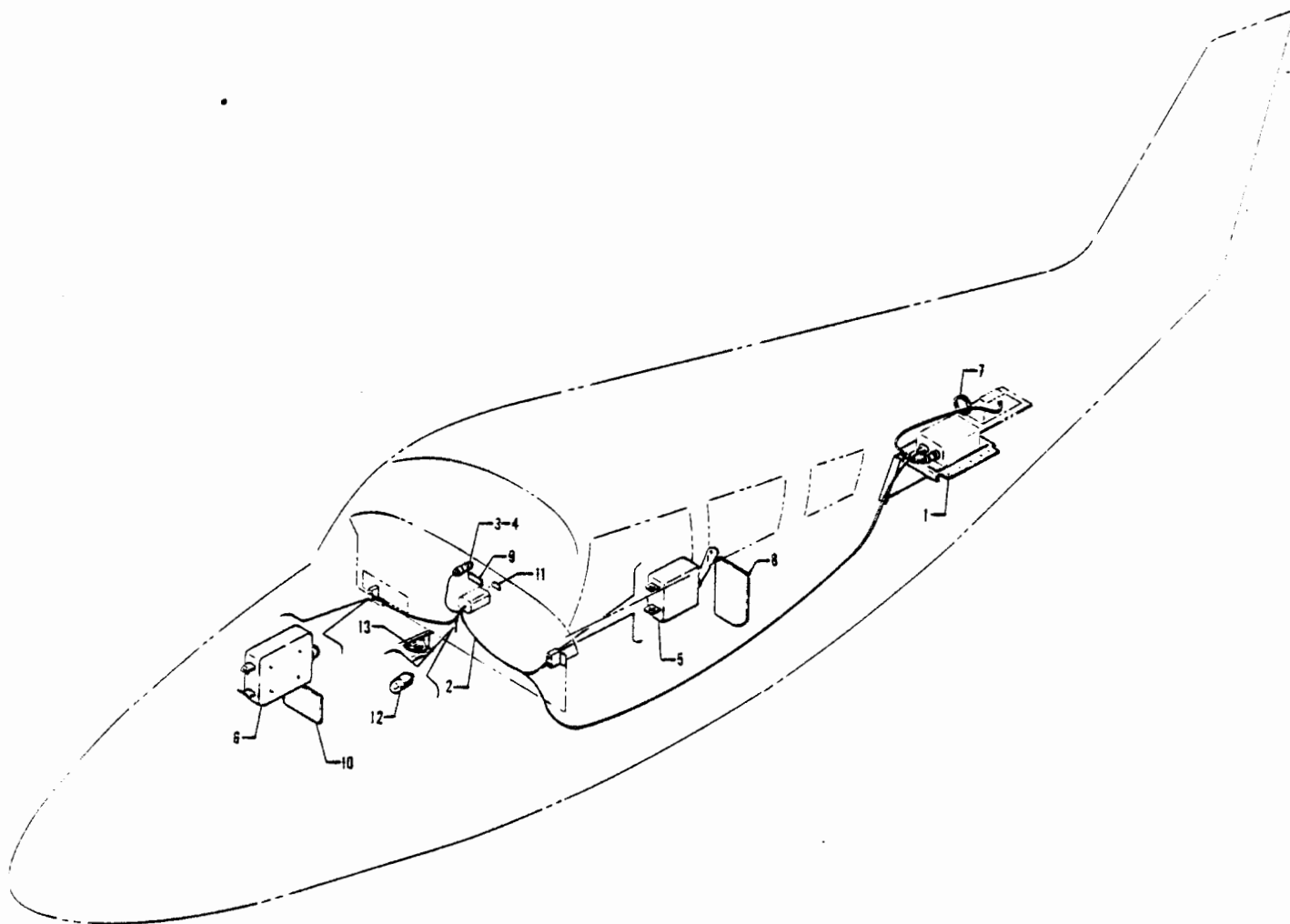


Figure 76. Radar Altimeter Installation (Bonzer)

REVISED: MARCH 1980

2D14

PA-44-180
PA-44-180T

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 76

A - Used if air conditioning is installed.

W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
76-	37693		DRAWING - Radar Altimeter Installation (Bonzer)		
-1	37693-04		SUPPORT - Radar altimeter transmitter	1	
-2	37694-02		HARNESS ASSEMBLY - Radar altimeter	1	
-3	761 198		* LAMP ASSEMBLY - (136-0020-00)	1	
-4	472 054	W	* LAMP - (PS10008-330)	1	
-5	587 923		* SWITCH - (PS10095-1)	1	
-6	454 714		CIRCUIT BREAKER - (PS50120-2-1) 5 amp	1	
-7	63186-12		MOULDING	1	
-8	69669-97		PLACARD - Radar altimeter on-off	1	
-9	69669-95		PLACARD - Radar altimeter off for takeoff	1	
-10	69669-96		PLACARD - Radar altimeter	1	
-11	69669-114	A	PLACARD - Warning	1	
-12	472 054	W	LAMP - (PS10008-330)	1	
-13	86783-02		BRACKET - Horn	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

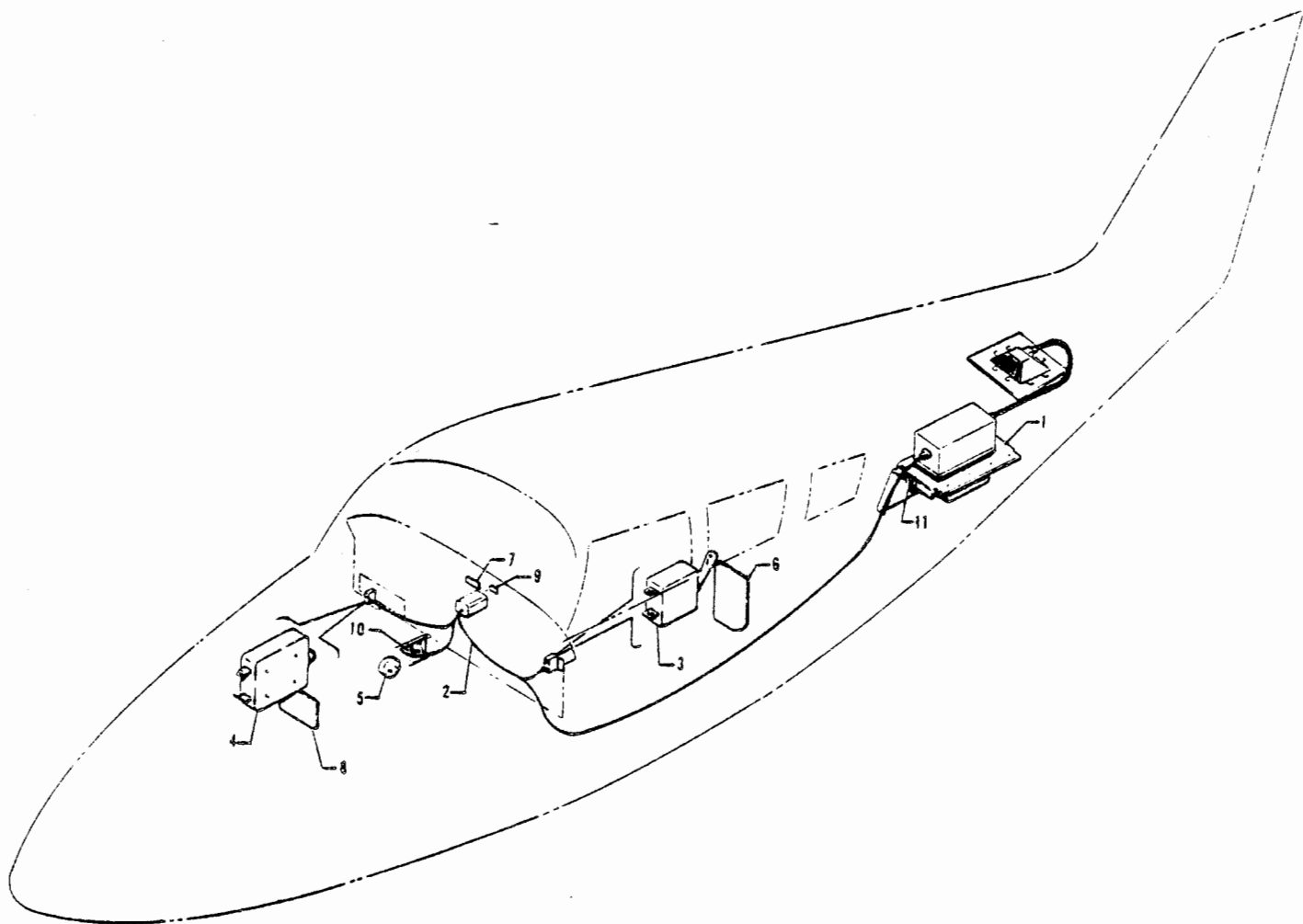


Figure 76A. Radar Altimeter Installation (King)
(PA-44-180-Serial Nos. 44-8095001 and up)
(PA-44-180T-Serial Nos. 44-8107001 and up)

REVISED: MARCH 1980

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 76A

- A - Used on PA-44-180 with serial numbers 44-8095001 and up, and PA-44-180T.
- B - Used if air conditioning is installed.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
76A-	36973		DRAWING - Radar Altimeter Installation (King)		
-1	36973-06		SUPPORT - Radar altimeter transmitter	1	
-2	36970-02		HARNESS ASSEMBLY - Radar altimeter	1	
-3	587 923		* SWITCH - (PS10095-1)	1	
-4	454 706		CIRCUIT BREAKER - (PS50120-1-2) 5 amp	1	
-5	565 367	W	HORN - Warning (SC-628)	1	
-6	69669-97		PLACARD - Radar altimeter ON-OFF	1	
-7	69669-95		PLACARD - Radar altimeter off for take-off	1	
-8	69669-96		PLACARD - Radar altimeter	1	
-9	69669-114	8	PLACARD - Warning	1	
-10	35672-02		BRACKET - Horn	1	
-11	63186-23		MOULDING	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

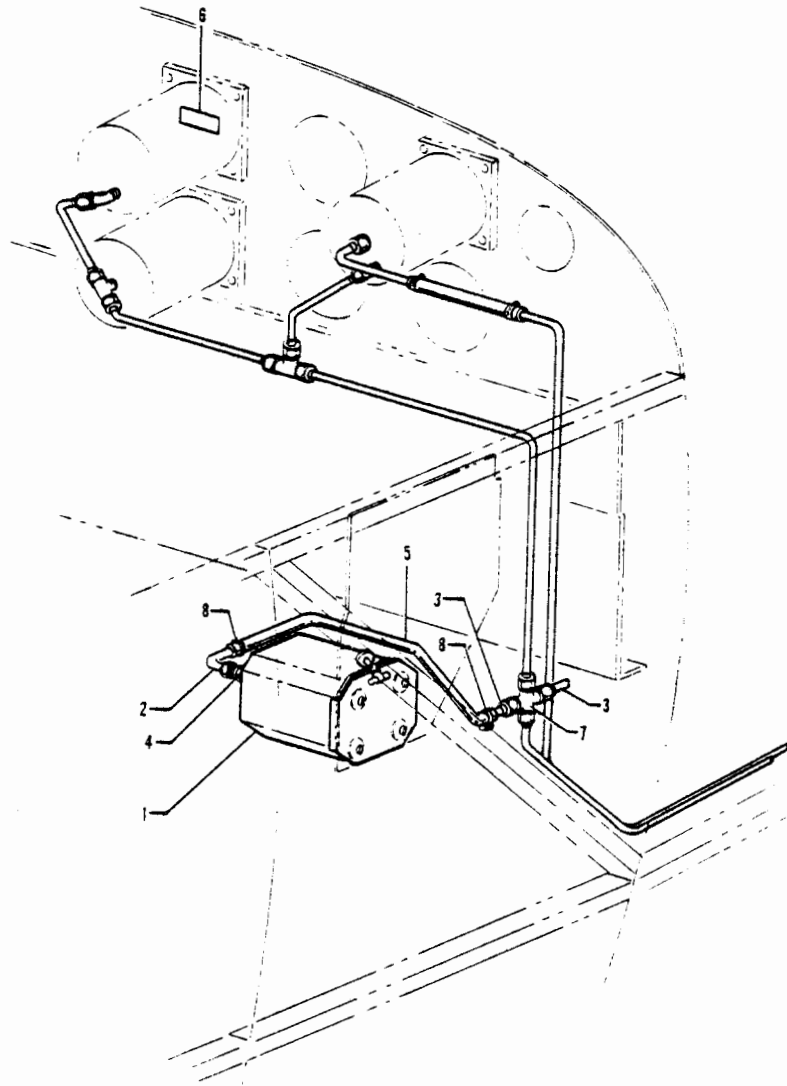


Figure 77. Encoder Installation
(Narco AR 500 and United 5125-P3)

REVISED: MARCH 1980

2D20

PA-44-180
PA-44-180T

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 77

A - Used on PA-44-180 with serial numbers 44-7995283 and up, and PA-44-180T.

W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
77-	79658		DRAWING - Encoder installation (Narco AR 500 and United 5125-P3)		
-1	596 605		ALTITUDE REPORTER - Narco (PS50040-30-2)	1	
	597 426	A	ALTITUDE REPORTER - United (PS50040-30-4)	1	
-2	63211-00		TUBE ASSEMBLY - Encoder	1	
-3	79636-04		TUBE ASSEMBLY - Encoder	1	
-4	476 647	W	UNION - (AN816-3D)	1	
-5	63913-37		HOSE - Alternate static	1	
-6	35669-154		PLACARD - Altitude reporter installed	1	
-7	455 417		CROSS - (AN827-3D)	1	
-8	554 861	W	CLAMP - (SAE TY F-4)	2	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

2D23 THRU 2D24
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PIPER PARTS CATALOG

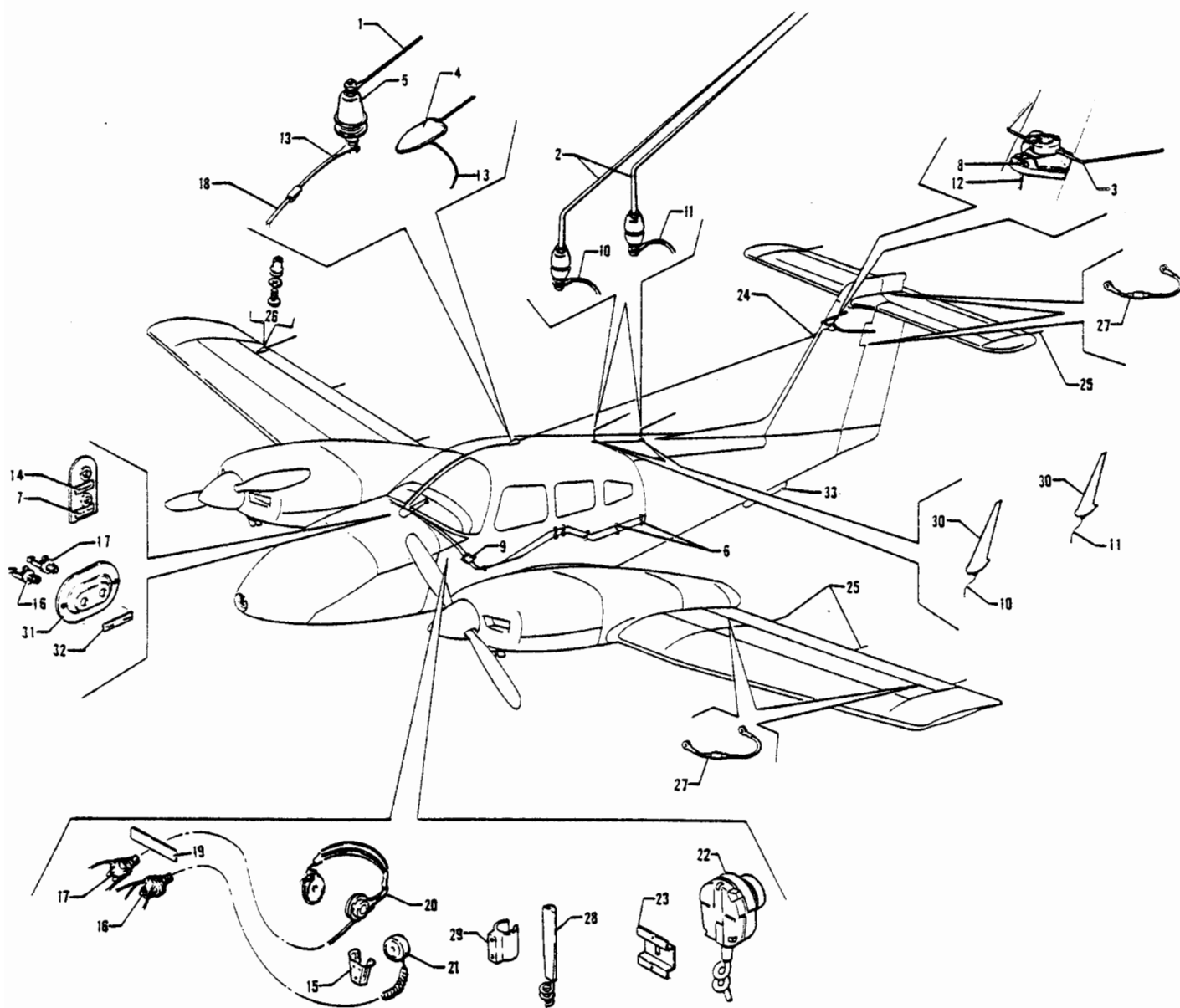


Figure 78. Radio, Antenna System and Static Wicks Installation

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 78

- A - When ordering, specify color "bark II" or black.
- B - Used on PA-44-180 with serial numbers 44-7995280 and up, and PA-44-180T.
- C - Used on PA-44-180 with serial numbers 44-7995134 and up, and PA-44-180T.
- D - Used on PA-44-180 only.
- E - Used on PA-44-180 with serial numbers 44-8195001 and up, and PA-44-180T with serial numbers 44-8107027 and up.
- W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
78-	86403 79153 78947 39737	E	DRAWING - Radio Antenna Systems Installation DRAWING - All Weather Antenna Installation DRAWING - Static Wicks Installation DRAWING - Marker Beacon Antenna Installation		
-1	99841-07		ANTENNA ASSEMBLY - Receiving	1	
-2	451 272	W	ANTENNA ASSEMBLY - Transmitting (VTP-17)	2	
-3	451 273	W	ANTENNA ASSEMBLY - Omni-receiving (VRP-37)	1	
-4	79160-00		ANTENNA - All weather receiving (217.5" L)	1	
-5	467 064	W	INSULATOR - Antenna (135-40)	1	
-6	463 390		GROMMET - (1659)	10	
-7	95238-00	D	PLACARD - Mike	1	44-7995001 to 44-7995133 incl.
-8	434 189		GROMMET - (MS35489-134)	1	
-9	555 501		COUPLER - Dual Nav-Com (AVB-10)	1	
	555 422		COUPLER - Dual Nav-Com with Single Glide Slope (AV-571)	1	
	556 753	B	COUPLER - Dual Nav-Com with Dual Glide Slope (CI-1125)	1	
	555 421		COUPLER - Single Nav-Com with Single Glide Slope (AV-570)	1	
-10	99610-00		CABLE ASSEMBLY - Transmitting	1	
-11	99610-02		CABLE ASSEMBLY - Transmitting	1	
-12	65192-09		CABLE ASSEMBLY - Receiving (403" L)	1	
	38390-02		CABLE ASSEMBLY - Receiving, forward (315" L)	1	
	65192-13		CABLE ASSEMBLY - Receiving, aft (75" L)	1	
-13	79450-03		CABLE ASSEMBLY - Receiving	1	
-14	66838-00	D	PLACARD - Headphone	1	44-7995001 to 44-7995133 incl.
-15	99680-08	A	SUPPORT - Microphone	1	
-16	468 002	W	JACK - Mike (S12B)	2	
-17	468 006	W	JACK - Phone (11)	2	
-18	596 118		CABLE ASSEMBLY - Receiving (90677-67)	1	
-19	67471-00		PLACARD - Mike and phone	1	
-20	464 362	W	HEADPHONE - (61650-3 telex)	2	
	464 327	W	HEADPHONE - (P-23 Wm. J. Murdock)	2	
	464 407		HEADPHONE - (With boom mike)	1	
-21	474 652		MICROPHONE - (Telex 60837-17)	1	
-22	474 655		MICROPHONE - Narco (M700A)	2	
-23	554 686		CLIP - Microphone holder (90Z1136)	2	
-24	486 562		SHACKLE - (MS20115-2)	1	
-25	494 678		WICK - Static (SW10-96)	9	
-26	415 520	W	SCREW - (MS35206-230)	18	
	407 122		WASHER - (AN935-6L)	18	
	406 848	W	RIVNUT - (A6K75)	18	
-27	469 600		JUMPER ASSEMBLY - Lightning protection (MS25C83-3AA6)	7	
-28	474 642		MICROPHONE - (Telex 62800-04)	1	
-29	565 523		HOLDER - Microphone (Telex 62802-00)	1	
-30	596 664		ANTENNA - Broadband, VHF Comm (PS50040-18-2) (Dorne and Margolin)	2	
-31	35507-03	C	COVER - Mike and phone jack	1	
-32	67471-00	C	PLACARD - Mike and phone	1	
-33	597 893	E	ANTENNA - Marker beacon (PS50040-15-10)	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

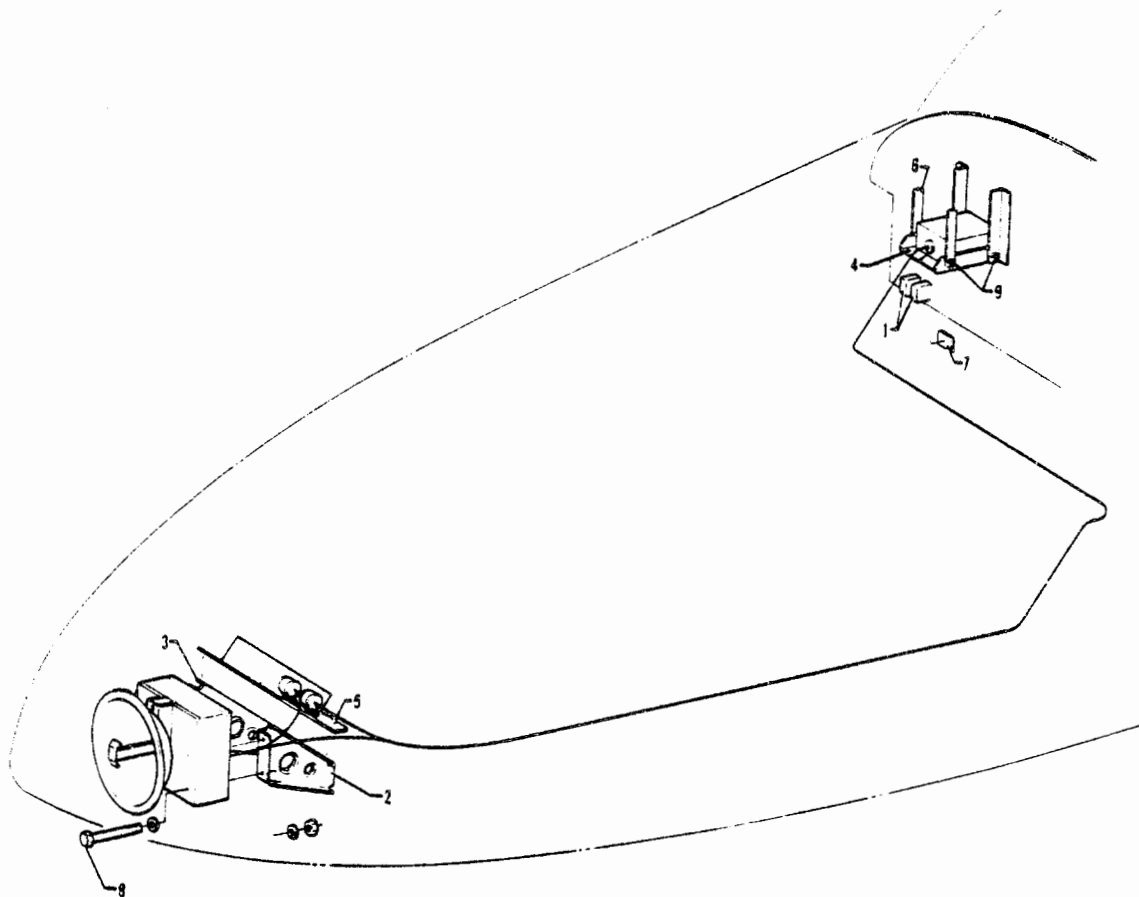


Figure 79. Radar System Installation
(RCA Weatherscout II and Bendix RDR-160)
(PA-44-180 - Serial Nos. 44-8195001 and up)
(PA-44-180T - Serial Nos. 44-8107027 and up)

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 79

- A - Used on PA-44-180 with serial numbers 44-8195001 and up, and PA-44-180T with serial numbers 44-8107027 and up.
- B - Used with Bendix RDR-160 Monochrome Installation.
- W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
79-	39697		DRAWING - Radar System Installation		
-1	454 714		CIRCUIT BREAKER - (PS50120-2-1) 5 amp	1	
	454 715		CIRCUIT BREAKER - (PS50120-2-3) 10 amp	1	
-2	39695-02		BRACKET - Radar	1	
-3	39695-03		BRACKET - Radar	1	
-4	67978-02	B	TRAY - Mounting	1	
-5	39698-02		STIFFENER	1	
-6	79009-00		PLATE - Support	2	
-7	35669-25		PLACARD - Radar	1	
-8	401 375	W	BOLT - (AN4-37A)	4	
	407 565	W	WASHER - (AN980-416)	8	
	404 888	W	NUT - (MS20365-428C)	4	
-9	411 497		SCREW - (MS36207-228)	6	
	406 351	W	NUT - (C8095-632-3)	6	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

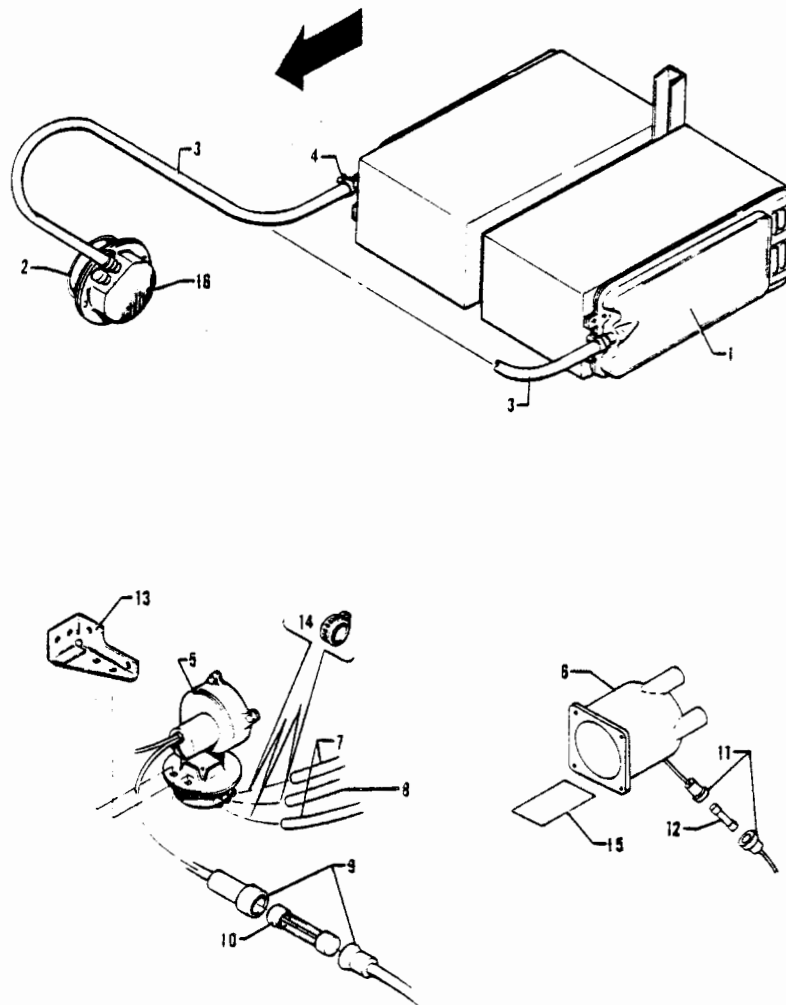


Figure 80. Avionics Cooling Installation

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 80

- A - Used on PA-44-180 with serial numbers 44-8095001 and up, and PA-44-180T with serial numbers 44-8107001 and up.
- B - Used on PA-44-180 with serial numbers 44-8195001 and up, and PA-44-180T with serial numbers 44-8107027 and up.
- C - Used on PA-44-180 with serial numbers 44-8295001 and up, and PA-44-180T with serial numbers 44-8207008 and up.
- W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
80-	79406		DRAWING - Avionics Cooling Installation		
	39745	B	DRAWING - Bendix Radio Cooling Blower Installation		
	39857	C	DRAWING - King Avionics Cooling Blower Installation		
-1	79405-00		BOX ASSEMBLY - Avionics cooling	1	
-2	598 442		SCOOP - Air (047-1147-00)	1	
-3	63633-135		HOSE - Avionics cooling (40" long)	1	
	63633-170	A	HOSE - Avionics cooling (30" long)	1	
-4	554 888	W	CLAMP - (SAE TY F-6)	2	
-5	452 997	B	BLOWER - Avionics cooling, Bendix (3604529-0504)	1	
-6	598 422	C	BLOWER - Avionics cooling, King (071-4031-00)	1	
-7	63633-135	B	HOSE - (40" long) (Bendix blower)	2	
-8	63633-170	B	HOSE - (30" long) (Bendix blower)	1	
-9	86652-05	B	FUSE ASSEMBLY - Blower	1	
-10	461 629	B	* FUSE - (311005)	1	
-11	86652-08	C	FUSE ASSEMBLY - Blower	1	
-12	461 629	C	* FUSE - (311005)	1	
-13	39745-10	B	BRACKET - Blower mount	1	
-14	554 888	B,W	CLAMP - (SAE TY F-6)	6	
-15	36979-28	C	PLATE - Blower mount	1	
-16	598 441		MANIFOLD - (047-1146-01)	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

CODE EXPLANATIONS FOR RADIO INSTALLATION DRAWINGS

- A - Used on PA-44-180 only.
- B - Used on PA-44-180 with serial numbers 44-8095001 and up, and PA-44-180T.
- C - Used on PA-44-180 with serial numbers 44-7995001 to 44-8095037 inclusive, and PA-44-180T with serial numbers 44-8107001 to 44-8107026 inclusive.
- D - Used on PA-44-180 with serial numbers 44-8195001 and up, and PA-44-180T with serial numbers 44-8107027 and up.
- E - Used on PA-44-180 with serial numbers 44-7995001 to 44-8195040 inclusive, and PA-44-180T with serial numbers 44-8107001 to 44-8107076 inclusive.
- F - Used on PA-44-180 with serial numbers 44-8295001 and up, and PA-44-180T with serial numbers 44-8207001 and up.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
	86408		DRAWING - Collins NAV/COM/G.S Installation (with provisions for DME)		
	86405		DRAWING - Collins RCR-650 ADF Radio Installation		
	86406		DRAWING - Narco DME Radio Installation		
	86407		DRAWING - Collins TDR-950 Transponder Installation (with encoding altimeter provision)		
	86404		DRAWING - Collins AMR-350 Audio and Marker Beacon Installation		
	86670		DRAWING - Narco NAV/COM/G.S./Marker Beacon System Installation		
	86776	C	DRAWING - Narco CLC-60A, NAV-124R, ID-124, DME-195 Radio Installation		
	86777	C	DRAWING - Narco CLC-60A, NAV-124R, NSD-360A, DME-195 Radio Installation		
	86778	C	DRAWING - Narco CLC-60A, NAV-124R, ID-124, DME-190 Radio Installation		
	86779	C	DRAWING - Narco CLC-60A, NAV-124R, NSD-360A, DME-190 Radio Installation		
	86663		DRAWING - Narco Single ADF-140/141 Radio Installation		
	86664	C	DRAWING - Narco Dual ADF-140/141 Radio Installation		
	86668	C	DRAWING - Narco DME-190 (TSO) Radio Installation		
	86406		DRAWING - Narco DME-195 Radio Installation		
	99989		DRAWING - Narco AT50A/150 Transponder Installation (with provisions for Encoding Altimeter and Altitude Reporter)		
	37963		DRAWING - Narco CP-135/135M Radio Installation		
	86667	F	DRAWING - Narco Nav-124 slaved/unslaved HSI Installation		
	86782	E	DRAWING - King KX-170B Radio Installation		
	86789	A	DRAWING - King KX-170B or KX-175B Area NAV System Installation		44-7995001 to 44-7995353 incl.
	36979	B	DRAWING - King KX-170B/175B Area Nav System Installation		
	39833	F	DRAWING - King KX155, KI203/204/208/209 Single/Dual Nav-Com Installation		
	39834	F	DRAWING - King KX155/165, KN72, KI202/203/208 Dual Nav-Com Installation		
	99844	C	DRAWING - King KR-85 Radio Installation		
	39767	D	DRAWING - King KR-87 Radio Installation		
	79051		DRAWING - King KR-86 ADF Installation		
	79053	A	DRAWING - King KN-65/65A DME Installation		44-7995001 to 44-7995353 incl.
	36968	B	DRAWING - King KN-62/62A DME Installation		
	79814		DRAWING - King KT-76A/78A Transponder Installation		
	86786	C	DRAWING - King KMA-20 Audio and Marker Beacon System Installation		
	39771	D	DRAWING - King KMA-24 System Installation		
	36920	E	DRAWING - DCE-400 Distance Computing Equipment		
	36988	B	DRAWING - Collins DME-451 Radio Installation		
	36999	B	DRAWING - Collins ANS-351 Area Nav Installation		
	39783	D	DRAWING - King KY-197, KY-196E, KN-53, KN-72 KI-204, KI-203, NSD-360A Installation		
	39748	D	DRAWING - Bendix CN2013, IN2014, AS2015 Single Com-Nav/G.S./Audio Select Panel Installation		
	39750	D	DRAWING - Bendix CN2011A, NSD360A, IN2014, IU2016, AD2019A Dual Com-Nav		

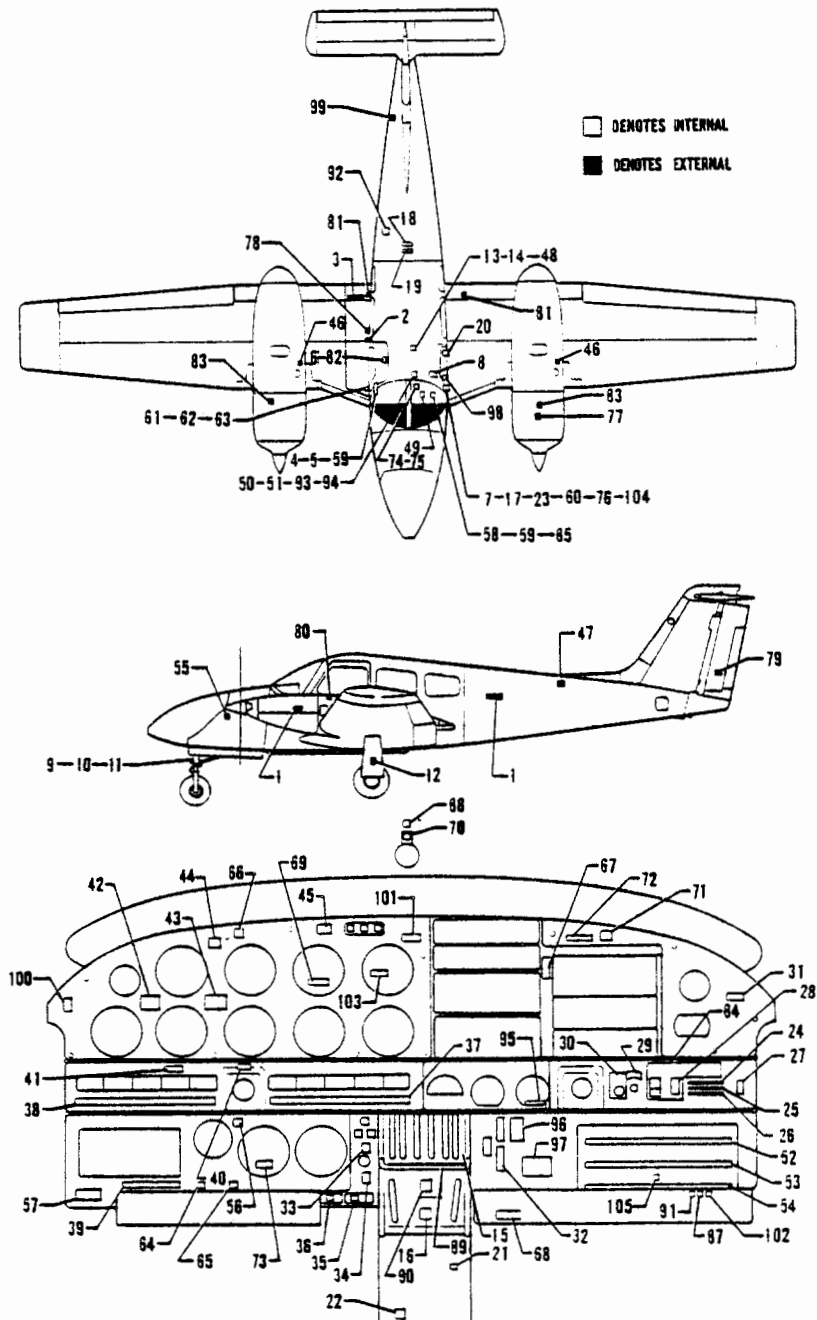
When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
	39752	D	DRAWING - Bendix CN2011A, NSD360A, IN2014, IU2016, AD2019A, NP-2041 Nav Prog w/ Dual Com-Nav Installation		
	39749	D	DRAWING - Bendix DME 2030 Radio Installation		
	39746	D	DRAWING - Bendix ADF 2070 Radio Installation		
	39739	D	DRAWING - Bendix TPR-2060 Transponder Installation		

When ordering, always specify Part Number, Description and Serial Number of Aircraft

PIPER PARTS CATALOG



PIPER PARTS CATALOG

CODE EXPLANATIONS FOR FIGURE 81

- A - Used if AutoControl III B is installed.
- B - Used if AltiMatic III C is installed.
- C - Used if carburetor ice detector is installed.
- D - Used on PA-44-180 only.
- E - Used on PA-44-180T only.
- F - Used on PA-44-180 with serial numbers 44-8095001 to 44-8195040 inclusive, and PA-44-180T with serial numbers 44-8107001 to 44-8107032 inclusive, 44-8107034 to 44-8107076 inclusive.
- G - Used on PA-44-180 with serial numbers 44-7995326 and up, and PA-44-180T.
- H - Used on PA-44-180 with serial numbers 44-8095013 and up, and PA-44-180T.
- J - Used on PA-44-180 with serial numbers 44-7995134 and up, and PA-44-180T.
- K - Used on PA-44-180 with serial numbers 44-7995228 and up, and PA-44-180T.
- L - Used on PA-44-180 with serial numbers 44-7995327 and up, and PA-44-180T.
- M - Used on PA-44-180 with serial numbers 44-8095001 to 44-8095037 inclusive, and PA-44-180T with serial numbers 44-8107001 to 44-8107003 inclusive.
- N - Used on PA-44-180 with serial numbers 44-8195001 to 44-8195040 inclusive, and PA-44-180T with serial numbers 44-8107001 to 44-8107076 inclusive.
- O - Used if instrument panel light dimmer control is installed.
- P - Used on PA-44-180 with serial numbers 44-8195001 and up, and PA-44-180T with serial numbers 44-8107027 and up.
- Q - Used if air conditioning is installed.
- R - Used if Century 21 AutoPilot is installed.
- S - Used if radar system is installed.
- T - Used on PA-44-180 with serial numbers 44-8295001 and up, and PA-44-180T with serial numbers 44-8207001 and up.
- U - Used on PA-44-180 with serial numbers 44-7995001 to 44-8195040 inclusive, and PA-44-180T with serial numbers 44-8107001 to 44-8107076 inclusive.
- V - Used on PA-44-180 with serial numbers 44-7995001 to 44-8195040 inclusive, and PA-44-180T with serial numbers 44-8107001 to 44-8107032 inclusive, 44-8107034 to 44-8107076 inclusive.
- W - These parts must be ordered from Service Spares Department, Piper Aircraft, Lock Haven, Penna.
- X - Used if two-blade or three-blade heated propeller system is installed.
- Y - Used on PA-44-180 with serial numbers 44-8295001 and up, and PA-44-180T with serial numbers 44-8107033, 44-8107035 and up.

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
81-	86725		DRAWING - Placard Details Installation		
	86653	D	DRAWING - Exterior Finish		44-7995001 to 44-7995353 incl.
	36602	M	DRAWING - Exterior Finish		
	36798	N	DRAWING - Exterior Finish		
	39485	T	DRAWING - Exterior Finish		
-1	86655-02		NAMEPLATE - Piper Seminole	6	
-2	48629-00	U,W	MEDALLION - Piper logo	1	
-3	35664-02		PLACARD - Flap warning	1	
-4	69669-117		PLACARD - Open	1	
-5	69669-118		PLACARD - Latch	1	
-6	68555-05		PLACARD - Door lock	1	
-7	69669-141		PLACARD - Storm window	1	
-8	35669-56		PLACARD - Emergency exit door	1	
-9	35669-93		PLACARD - Oleo service instructions	1	
-10	35669-08		PLACARD - Turn limit	1	
-11	35669-05		PLACARD - Turn limit center mark	1	
-12	35669-92		PLACARD - Oleo service instructions	2	
-13	35669-74		PLACARD - Fuel selector	1	
-14	67786-00		PLACARD - Stabilator trim	1	
-15	95805-00		PLACARD - Engine controls	1	
-16	35669-72		PLACARD - Carburetor heat	1	
-17	35669-66	D	PLACARD - Operating limitations	1	44-7995001 to 44-7995353 incl.
	35669-142	D	PLACARD - Operating limitations	1	44-8095001 and up
	35669-180	E	PLACARD - Operating limitations	1	
-18	66787-00		PLACARD - Soft wear	1	
-19	68399-02		PLACARD - Baggage limitations	1	
-20	69669-115		PLACARD - Pitot static system drain	1	
-21	96583-00	D	PLACARD - Rudder trim	1	44-7995001 to 44-7995325 incl.
	35669-164	G	PLACARD - Rudder trim	1	
-22	95961-00		PLACARD - Cowl flap	1	
-23	35669-68		PLACARD - Strobe light warning	1	
-24	35669-79		PLACARD - Closed-open	1	
-25	35669-85		PLACARD - Warmer	1	
-26	35669-84		PLACARD - OFF-ON	1	
-27	35669-87		PLACARD - Air intake, temp., def.	1	
-28	35669-83		PLACARD - Operation	1	
-29	35669-80		PLACARD - Over heat	1	
-30	35669-82		PLACARD - Fresh air fan	1	
-31	63408-00	D	PLACARD - Winterization Kit	1	44-7995001 to 44-7995353 incl.
-32	69669-23	O	PLACARD - Radio lights/panel lights	1	
-33	35669-58		PLACARD - Gear up-down	1	
-34	35669-94		PLACARD - Emergency gear	1	
-35	35669-55		PLACARD - Pull to release	1	
-36	35669-81		PLACARD - Park brake pull	1	
-37	35669-88	D	PLACARD - Landing checklist	1	44-7995001 to 44-7995353 incl.
-38	35669-64	D	PLACARD - Takeoff checklist	1	44-7995001 to 44-7995353 incl.
-39	67768-00		PLACARD - Alternate static	1	
-40	35669-96	D	PLACARD - Single engine stalls	1	44-7995001 to 44-7995353 incl.
-41	35669-97	D	PLACARD - Minimum single engine control speed	1	44-7995001 to 44-7995353 incl.
-42	76222-00	D	PLACARD - Demonstrated crosswind	1	44-7995001 to 44-7995353 incl.
-43	35669-65	D	PLACARD - Maneuvering speed	1	44-7995001 to 44-7995353 incl.
	35669-148	D	PLACARD - Maneuvering speed	1	44-8095001 and up
	35669-178	E	PLACARD - Maneuvering speed	1	

When ordering, always specify Part Number, Description and Serial Number of Aircraft

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Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
81-44	35669-59	D	PLACARD - Gear retract	1	44-7995001 to 44-7995353 incl.
-45	69669-39		PLACARD - Press to test	1	
-46	35669-95	D	PLACARD - Fuel only	2	44-7995001 to 44-8095012 incl.
	35669-163	H	PLACARD - Fuel	2	
-47	35669-54		PLACARD - Fuel drain	1	
-48	35669-27		PLACARD - Flap lever	1	
-49	79275-00		MEDALLION - Piper, control wheel	2	
-50	69669-77		PLACARD - Cabin air	1	
-51	69669-20		PLACARD - Dome light maximum	1	
-52	35669-50	V	PLACARD - Circuit breaker, top	1	
	87369-35	Y	PLACARD - Circuit breaker, top	1	
-53	35669-51	D	PLACARD - Circuit breaker, center	1	
	35669-158	E	PLACARD - Circuit breaker, center	1	44-8107001 to 44-8107026 incl.
	35669-193	E	PLACARD - Circuit breaker, center	1	44-8107027 to 44-8107032 incl., 44-8107034 to 44-8107076 incl.
	87369-36	Y	PLACARD - Circuit breaker, center	1	
-54	35669-52	V	PLACARD - Circuit breaker, bottom	1	
	87369-37	Y	PLACARD - Circuit breaker, bottom	1	
-55	35669-102		PLACARD - External power	1	
-56	67490-02		PLACARD - Pitch trim	1	
-57	67471-00		PLACARD - Mike and phone	1	
-58	35669-16		PLACARD - A/P INTR.	1	
-59	35669-17		PLACARD - Mike	2	
-60	69669-66		PLACARD - Warning	1	
-61	95238-00	D	PLACARD - Mike	1	44-7995001 to 44-7995133 incl.
-62	66838-00	D	PLACARD - Headphone	1	44-7995001 to 44-7995133 incl.
-63	67471-00	J	PLACARD - Mike and phone	1	
-64	69509-00	A,D	PLACARD - Omni coupler switch	1	44-7995001 to 44-7995227 incl.
	96734-00	B,D	PLACARD - Omni coupler switch	1	44-7995001 to 44-7995227 incl.
	35669-128	K	PLACARD - Omni coupler switch	1	
-65	67490-02		PLACARD - Electric pitch trim	1	
-66	69669-40		PLACARD - Glide slope coupler	1	
-67	35669-125	F	PLACARD - Radio power, ON-OFF	1	
	87369-33	Y	PLACARD - Radio power, ON-OFF	1	
-68	35669-138	F	PLACARD - Emergency bus switch	1	
-69	35669-154		PLACARD - Altitude reporter installed	1	
-70	35669-165	E	PLACARD - Caution compass deviation	1	44-8107001 to 44-8107032 incl., 44-8107034
-71	35669-184	C,D	PLACARD - Carburetor ice detector	1	44-8095022 and up
-72	35669-185	C,D	PLACARD - Sensitivity	1	44-8095022 and up
-73	35669-176	E	PLACARD - Manifold pressure	1	
-74	35669-32	E	PLACARD - Warning	1	
-75	69669-177	E	PLACARD - Oxygen support	1	
-76	69669-158	E	PLACARD - Primer	2	
-77	35669-191		PLACARD - Oil change	2	
-78	79315-00	P,Q	PLACARD - Piper aire	1	
-79	87341-02		PLACARD - Do not push	2	
-80	87341-03		PLACARD - Level point	2	
-81	87341-04		PLACARD - No step	2	
-82	87334-02		PLACARD - Door release	1	
-83	87340-02		PLACARD - Oil spec	2	
-84	35669-192	P,Q	PLACARD - Climate control center	1	
-85	35669-188	P	PLACARD - Transponder identifier	1	
-86	87369-05	P,R	PLACARD - Nav 1 off Nav 2	1	
-87	35669-25	P,S	PLACARD - Radar	1	
-88	87369-27	T	PLACARD - Caution compass deviation	1	
-89	35669-111		PLACARD - Takeoff and landing operation	1	
-90	35669-112		PLACARD - Propeller synchrophaser (Manual-Auto)	1	
-91	35669-113		PLACARD - Circuit protector, propeller synchrophaser	1	
-92	87369-22		PLACARD - Hydraulic fluid spec	1	

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PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
81-93	35669-137		PLACARD - Oxygen gauge light	1	
-94	35669-157		PLACARD - Oxygen	1	
-95	69669-02	E,X	PLACARD - Not approved for flight in icing conditions	1	44-8107033, 44-8107035 and up
-96	87369-14	E,X	PLACARD - Prop heat	1	44-8107033, 44-8107035 and up
-97	87369-15	E,X	PLACARD - Prop heat amps	1	44-8107033, 44-8107035 and up
-98	35669-132		PLACARD - ELT warning	1	
-99	35669-105		PLACARD - ELT location	1	
-100	69669-97		PLACARD - Radar altimeter on-off	1	
-101	69669-95		PLACARD - Radar altimeter off for takeoff	1	
-102	69669-96		PLACARD - Radar altimeter	1	
-103	69669-114		PLACARD - Warning, may be unreliable	1	
-104	87369-34	E	PLACARD - Starter ON	1	44-8107033, 44-8207001 and up
-105	87369-14	E,X	PLACARD - Prop heat	1	44-8107035 to 44-8107076 incl.

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PIPER PARTS CATALOG

CODE EXPLANATIONS FOR OPTIONAL EQUIPMENT KITS AND REPAIR KITS

- A - Used with Hartzell Propeller HC-C2YR-2CEUF/FC7666A-2R and HC-C2YR-2CLEUF/FJC7666A-2R.
- B - Used with Hartzell Propeller HC-C3YR-2EUF/FC7663-5R and HC-C3YR-2LEUF/FJC7663-5R.
- C - Used on PA-44-180 only.
- D - Used on PA-44-180T only.
- E - If aircraft is not equipped with a pilot operated boom mike switch (located on control wheel), order Boom Mike Installation Kit 764 045.
- F - This kit is less Headphone Assembly P/N 484 407 which must be ordered separately.
- G - When installing on aircraft with serial numbers 44-8107001 to 44-8107034 inclusive, also order and install the following parts in conjunction with this kit: Instrument Panel Cover Assembly P/N 86914-02 (Specify color "bark II" or "black"), Placard P/N 69669-23 (only if instrument panel light dimmer switch is installed), Electrical Components Support Panel Assembly P/N 86915-800, Heater Air Inlet Collar Assembly P/N 86943-02 and Placard P/N 87369-27.
- W - These parts must be ordered from Service Spares Dept., Piper Aircraft, Lock Haven, Penna.

PIPER PARTS CATALOG

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	86906-02	C	PLOTTER ASSEMBLY - Weight and balance		
	86899-02	D	PLOTTER ASSEMBLY - Weight and balance		
	760 297		PITOT COVER		
	763 966		SHOULDER HARNESS INSTALLATION - Passenger		
	763 962		DOOR JAMB SNUBBER INSTALLATION		
	764 094		JANITROL HEATER HOUR METER INSTALLATION		
	764 052	C	CARBURETOR ICE DETECTOR INSTALLATION		
	764 042	E	FIXED OXYGEN SYSTEM INSTALLATION		
	764 045	F	BOOM MIKE INSTALLATION		
	764 307	D,G	TWO BLADE PROPELLER DE-ICER SYSTEM INSTALLATION		
	764 337	D,G	THREE BLADE PROPELLER DE-ICER SYSTEM INSTALLATION		
REPAIR KITS					
	761 100	A	PROPELLER REPAIR - (One propeller)		
	760 246	B,W	PROPELLER REPAIR - (One propeller)		

When ordering, always specify Part Number, Description and Serial Number of Aircraft

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757 483v	28-3
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758 448v	74-34
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758 470v	41-3a
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758 550v	41A-5
758 556v	71A-3
758 556v	71B-3
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760 246	Misc.
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764 042v	Misc.
764 045v	Misc.
764 052v	Misc.
764 094v	Misc.
764 307v	Misc.
764 337v	Misc.

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