



AIRPLANE PARTS CATALOG

Seminole

PA-44-180
(SERIAL NUMBERS 4496001 AND UP)

CARD 1 OF 2

THE NEW PIPER AIRCRAFT, INC.

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U.S.A.



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GAMA

THE NEW PIPER AIRCRAFT, INC.

PA-44-180 SEMINOLE

AIRPLANE PARTS CATALOG

AEROFICHE EXPLANATION AND REVISION STATUS

The Parts Catalog information in this set of Aerofiche cards is arranged in accordance with general specifications of Aerofiche adopted by the General Aviation 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.

REVISIONS

The information compiled in this Aerofiche Parts Catalog is kept current by revisions distributed periodically. Each revision is a complete Aerofiche card replacement and supersedes Aerofiche cards of the same number in the set.

Revisions to this PA-44-180 Parts Catalog (761 891) issued July 12, 1995 are as follows:

<u>Effectivity</u>	<u>Publication Date</u>	<u>Aerofiche Card Effectivity</u>
ORG 950712	March 7, 1997	1 and 2
PR 020228	February 28, 2002	1 and 2
PR 030310	March 10, 2003	1 and 2
CR 040710	July 10, 2004	1 and 2
PR 050910	September 10, 2005	1 and 2
PR 051210	December 10, 2005	1 and 2
PR060310	March 10, 2006	1 and 2
PR060610	June 10, 2006	1 and 2
PR060910*	September 10, 2006	1 and 2

* This is a complete re-issue. Please replace the two Aerofiche cards dated June 10, 2006 with the Aerofiche cards dated September 10, 2006.

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INTRODUCTION

This Illustrated Parts Catalog provides simple, positive identification of replacement parts for Model PA-44-180 manufactured by The New Piper Aircraft, Inc. of Vero Beach, Florida.

NOTE: DO NOT USE THIS CATALOG FOR RIGGING AND INSTALLATION PURPOSES.

1. The catalog is divided into fourteen major sections 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 lists: (Refer to EXAMPLE below).
 - a. The FIGURE AND ITEM NUMBER 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 list page.
 - 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 NOMENCLATURE column indicates the part name. This name must be shown on all parts orders.
 - d. The UNITS PER ASSY. (Number Required) column represents the total quantity of parts used 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 this column means As Required.
 - e. The EFFECT FROM TO column indicates the part application by airplane serial number.

EXAMPLE

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
2 1	XXXXX-XXX	DOOR ASSEMBLY - Baggage compartment	XXXXXXX and up	X
2	XXXXX-XXX	. TUBE ASSEMBLY - Baggage door latch		X
3	XXXXX-XXX	. . CLEVIS - Door latch tube assembly		X
4	XXXXX-XXX	. . CLIP - Door latch tube assembly		X

In the nomenclature column, the next higher assembly relationship of items covered is shown by the degree of indention of each item and is indicated by an asterisk (*). One asterisk signifies one indention, two signifies two indentions, etc. The example listing above is interpreted as follows:

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

If the TUBE ASSEMBLY (indented one space) is ordered, it will include the two items indented under the TUBE ASSEMBLY.

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

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3. Piper Aircraft will supply all attaching parts to its customers in any quantity. When purchasing the attaching parts such as nuts, bolts, washers, cotter pins, etc. from Piper Aircraft the customer or service center need only order the part(s) needed.
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. Select the figure title you think might contain the part you wish to identify and proceed to the grid (page) specified. If you don't find the part on this illustration, try another figure in this group.
3. Refer to Figure and Index Number in the parts listing for description of the part.

HOW TO ORDER PARTS

When ordering parts for your Piper airplanes, please observe the following instructions:

1. Place your order with your local distributor or service center.
2. Specify the model and serial number of your airplane.
3. Specify Part Number, Name, Type and Quantity Required.
4. 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.
5. Request price and delivery information prior to order placement.

GENERAL INFORMATION

1. **Shortages**
All orders are checked before leaving our Shipping Department. A packing slip is enclosed with the shipment. Claims for errors or shortages must be made within three days after receipt of orders.
2. **Returned Goods**
No material should be returned without first securing written permission. Material sent in without notice will be held at the owner's risk for thirty 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.
3. **Transportation Liabilities**
The New Piper Aircraft, Inc. 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 try to repair the damage, call the carrier and have their claim agent inspect the damage before filing your claim with the carrier.

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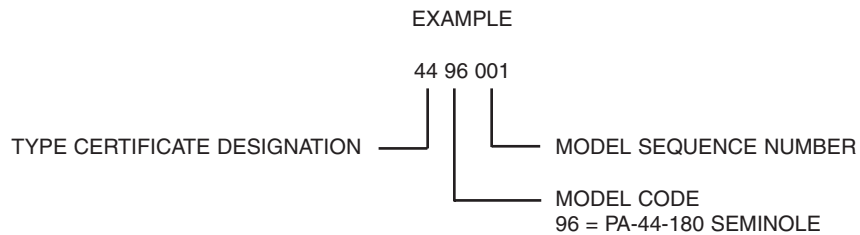
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PA-44-180 SERIAL NUMBER INFORMATION

The serial numbers of PA-44-180 Seminole aircraft covered by this Parts Catalog are as follows:

4496001 and up

SERIAL NUMBER EXPLANATION



MODEL YEAR	1995	4496001 thru 4496005
MODEL YEAR	1996	4496006 thru 4496013
MODEL YEAR	1997	4496014 thru 4496019
MODEL YEAR	1998	4496020 thru 4496021
MODEL YEAR	1999	4496022 thru 4496030
MODEL YEAR	2000	4496031 thru 4496042
MODEL YEAR	2001	4496043 thru 4496108
MODEL YEAR	2002	4496109 thru 4496166
MODEL YEAR	2003	4496167 thru 4496179
MODEL YEAR	2004	4496180 thru 4496190
MODEL YEAR	2005	4496191 thru 4496219
MODEL YEAR	2006	4496220 and up

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STANDARD PAINT CHART

	MFG. NO.	PIPER PART NUMBER	
		QUART	GALLON
EXTERIOR			
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	4531U	4176 123	1176 123
Lime Green	H7854U	4175 460	1175 460
Sage Green	K7887U	4176 132	1175 460
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
Burnished Gold	N8068U	4763 528	1763 528
Light Blue	K8149U	4763 529	1763 529
Dark Saddle	N8070U	4763 530	1763 530
Dark Green	N8071U	4763 531	1763 531
Saffron	K7889UH	4763 532	1763 532
Light Sandalwood	W8275	4763 533	1763 533
Light Platinum	W8274	4763 534	1763 534
Catalyst (Activator)	912S	4179 950	1179 950
Reducer	Y8485S	4179 145	1179 145
Retarder	8100S	4179 599	1179 599
Accelerator	189S	4179 951	
POLYURETHANE PRIMER (Dupont Imron)			
Wash Primer	B9287	4170 766	1179 766
Wash Primer Thinner	K1733	4179 452	1179 452
Acid Thinner	B9289	4179 403	1179 403
INTERIOR			
INSTRUMENT PANEL			
Cadet Dark Grey			170 902
Grey II (Flat Tan)	D127		170 907

NOTE: SEE SERVICE SPARES LETTER 407 FOR AVAILABILITY OF COLOR PAINT FOR THERMOPLASTIC INTERIOR PANELS.

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6	Flap Assembly	1B8
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10	Fuselage Upper Center Cockpit Assembly	1B24
11	Fuselage Lower Forward Cockpit Assembly	1C4
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13	Fuselage Aft Section	1C10
14	Fuselage Cabin and Baggage Door Installation	1C14
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16	Fuselage Enclosure Installation	1C20
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23	Nose Wheel Assembly (Cleveland)	1E2
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45	Cowl Flap Installation	1H10
46	Two Blade Propeller Assembly (Hartzell)	1H12
47	Deleted	
48	Engine Controls Installation	1H16
49	Quadrant Assembly	1H20
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52	Fuel Primer System Installation	1I8
53	Fuel Cell Installation	1I10
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54	Aileron Control Installation	1J14
55	Rudder Control Installation.....	1J18
56	Rudder Trim Installation.....	1J20
57	Stabilator Control Installation	1J24
58	Stabilator Trim Installation	1J4
59	Flap Control Installation	1J8
60	Control Wheel Installation	1J12
61	Rudder Pedal Installation	1J16

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69	Instrument Panel Electrical Installation (Sheet 2 of 2)	1L1
70	External Power Supply Installation	1L5
71	Deleted	
SECTION XIII ELECTRONICS GROUP		
72	Manual Electric Trim Installation	1L10
73	Emergency Locator Transmitter (ELT 110-4) Installation (Artex)	1L12
74	Encoder Installation (AR-850)(AK-350)	1L14
75	Radio, Antenna System and Static Wicks Installation	1L16
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77	Placards and Exterior Stencils (Sheet 1 of 2)	2A16
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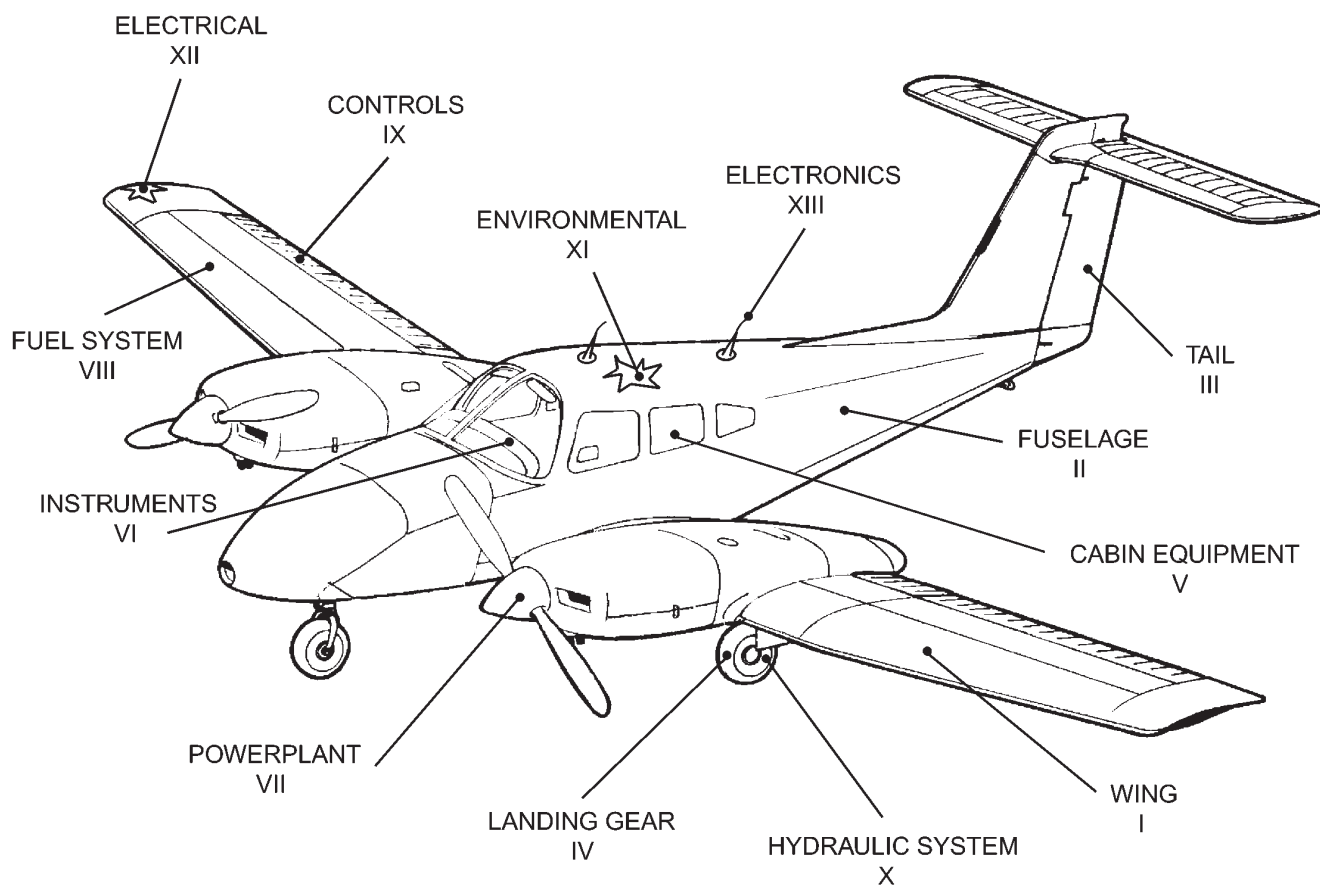


Figure 1. Complete Airplane

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FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
1	86600-003 104500-002 104500-003 104500-004	Complete Airplane	4496001 thru 4496030 4496031 thru 4496042 4496043 thru 4496173, 4496175 thru 4496223 (without Entegra) 4496174, 4496224 and up (with Entegra)	

-Item not illustrated

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

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SERVICE BULLETINS INCORPORATED

725	1026	1109	1151
990	1028	1117	1156
1016	1033	1127	
1020	1048	1139	
1023	1083	1143	

SERVICE LETTERS INCORPORATED

1027	1063
1034	1093
1038	
1047	
1060	

(These Service Bulletins and Letters show the base number and may have later revisions than shown, Ex: A, B, Etc. Always check for the latest revision)

**THE NEW PIPER AIRCRAFT, INC.
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SECTION I
WING GROUP

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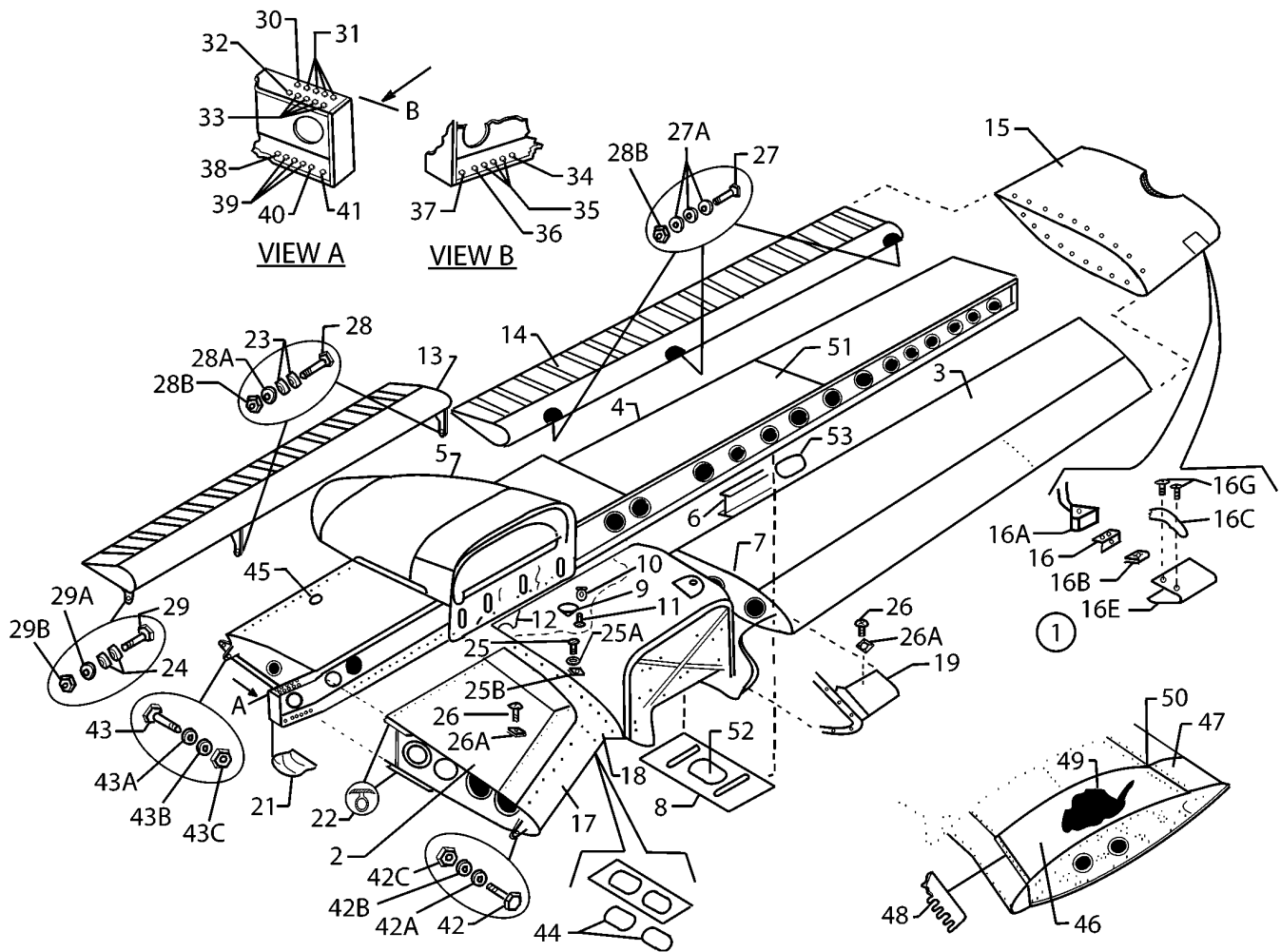


Figure 2. Wing Installation

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FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
2	86504 (AE) 86567 (K)	DRAWING - Wing Installation DRAWING - Fairing Installation		
1	86380-026	WING - NACELLE ASSY - Left	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
1	86380-028	WING - NACELLE ASSY - Left	4496174, 4496224 and up (with Entegra)	1
-1A	86380-027	WING - NACELLE ASSY - Right	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
-1A	86380-029	WING - NACELLE ASSY - Right	4496174, 4496224 and up (with Entegra)	1
2	86500-006	. WING ASSY - Inboard, left (See Figure 3 for component parts)		1
-2A	86500-007	. WING ASSY - Inboard, right (See Figure 3 for component parts)		1
3	35118-036	. . WING ASSY - Leading edge, outboard, left (See Figure 3 for component parts)		1
-3A	35118-037	. . WING ASSY - Leading edge, outboard, right (See Figure 3 for component parts)		1
4	86500-006	. WING ASSY - Trailing edge, aft section, left (See Figure 4 for component parts)		1
-4A	86500-007	. WING ASSY - Trailing edge, aft section, right (See Figure 4 for component parts)		1
5	86180-002	. NACELLE ASSY - Left (See Figure 50 for component parts)	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
5	86180-054	. NACELLE ASSY - Left (See Figure 50 for component parts)	4496174, 4496224 and up (with Entegra)	1
-5A	86180-003	. NACELLE ASSY - Right (See Figure 50 for component parts)	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
-5A	86180-055	. NACELLE ASSY - Right (See Figure 50 for component parts)	4496174, 4496224 and up (with Entegra)	1
6	86155-004	. SPAR ASSY - Wing nacelle, left		1
-6A	86155-005	. SPAR ASSY - Wing nacelle, right		1
7	86380-014	. SKIN ASSY - Wing, outboard, top, left		1
-7A	86380-015	. SKIN ASSY - Wing, outboard, top, right		1
8	86380-004	. SKIN ASSY - Wing, outboard, bottom, left		1
-8A	86380-013	. SKIN ASSY - Wing, outboard, bottom, right		1
9	35725-002	. PAD - Jack		1
10	18457-000	. RING - Tie down		1
11	410-043	. SCREW - (MS24694-S56)		2
12	86354-002	. GUSSET		1
13	65591-000	FLAP ASSY - Left (See Figure 6 for component parts)		1
-13A	65590-001	FLAP ASSY - Right (See Figure 6 for component parts)		1
14	86562-024	AILERON ASSY - Left (Post Piper Service Bulletin #1016 and revisions) (See Figure 5 for component parts)		1
-14A	86562-025	AILERON ASSY - Right (Post Piper Service Bulletin #1016 and revisions) (See Figure 5 for component parts)		1

-Item not illustrated

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

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FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
2-				
15	36752-019	TIP ASSY - Wing, left	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
15	36752-024	TIP ASSY - Wing, left	4496174, 4496224 and up (with Entegra)	1
-15A	36752-020	TIP ASSY - Wing, right	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
15	36752-023	TIP ASSY - Wing, right	4496174, 4496224 and up (with Entegra)	1
16	87486-002	. BRACKET - Light assy		2
16A	87742-002	. LAMP ASSY - Recognition/Taxi Lights (14VDC)		2
16B	506-507	. NUT PLATE		10
16C	36806-004	. SHIELD - Recognition light, left		1
-16D	36806-005	. SHIELD - Recognition light, right		1
16E	36752-021	. LENS - Recognition light, left		2
-16F	36752-022	. LENS - Recognition light, right		2
16G	414-736	. SCREW - (MS24693-C28)		10
-16H	508-007	. WASHER		11
-16I	410-054	SCREW - (MS24694-C5) (to secure wing tip to wing)		19
-16J	406-709	NUT - (to secure wing tip to wing)		17
17	86566-002	FAIRING ASSY - Inboard, left		1
18	86566-004	FAIRING ASSY - Nacelle inboard, left		1
-18A	86566-005	FAIRING ASSY - Nacelle inboard, right		1
19	86569-008	FAIRING ASSY - Nacelle outboard, left		1
-19A	86569-009	FAIRING ASSY - Nacelle outboard, right		1
-20	DELETED			
21	63942-000	COVER - Wing bolt, left		1
-21A	63942-001	COVER - Wing bolt, right		1
22	65773-000	MOULDING - Wing root		2
23	63900-019	BUSHING - Flap hinge, center and outboard		8
24	63900-020	BUSHING - Flap hinge, inboard		4
25	414-762	SCREW - (MS24693-S51)		6
25A	494-101	WASHER		6
25B	477-886	NUT		6
26	414-762	SCREW - (MS24693-S51)		106
26A	477-886	NUT		106
27	400-441	BOLT - (AN3-7A)		6
27A	690-612	WASHER - (NAS1149FN363P)		18
28	401-270	BOLT - (AN3-11A)		4
28A	690-612	WASHER - (NAS1149FN363P)		4
28B	404-526	NUT - (MS21042-3)		4
29	400-444	BOLT - (AN3-13A)		2
29A	690-612	WASHER - (NAS1149FN363P)		2
29B	404-526	NUT - (MS21042-3)		2
30	402-909	BOLT - (NAS464P6LA17)		2
-30A	690-629	WASHER - (NAS1149F0663P)		6
-30B	404-532	NUT - (MS21042-6)		2
31	402-908	BOLT - (NAS464P6LA16)		8
-31A	690-629	WASHER - (NAS1149F0663P)		24
-31B	404-532	NUT - (MS21042-6)		8
32	402-907	BOLT - (NAS464P6LA15)		2
-32A	690-620	WASHER - (NAS1149F0632P)		2
-32B	494-228	WASHER - (K19301-6)		2

-Item not illustrated

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

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FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
2-				
-32C	690-628	WASHER - (NAS1149F0563P)		2
-32D	690-629	WASHER - (NAS1149F0663P)		2
-32E	406-527	NUT - (H19300-6)		2
33	402-906	BOLT - (NAS464P6LA14)		8
-33A	690-629	WASHER - (NAS1149F0663P)		8
-33B	494-228	WASHER		8
-33C	690-628	WASHER - (NAS1149F0563P)		8
-33D	406-527	NUT - (H19300-6)		8
34	402-903	BOLT - (NAS464P5LA20)		2
-34A	690-619	WASHER - (NAS1149F0532P)		2
-34B	404-531	NUT - (MS21042-5)		2
-34C	690-628	WASHER - (NAS1149F0563P)		4
35	402-910	BOLT - (NAS464P6LA20)		6
-35A	690-620	WASHER - (NAS1149F0632P)		6
-36B	690-629	WASHER - (NAS1149F0663P)		12
-36C	404-532	NUT - (MS21042-6)		6
36	402-911	BOLT - (NAS464P6LA21)		2
-36A	690-620	WASHER - (NAS1149F0632P)		2
-36B	96352-003	WASHER		2
-36C	690-628	WASHER - (NAS1149F0563P)		2
-36D	690-629	WASHER - (NAS1149F0663P)		2
-36E	404-532	NUT - (MS21042-6)		2
37	402-904	BOLT - (NAS464P5LA21)		2
-37A	690-619	WASHER - (NAS1149F0532P)		2
-37B	96352-002	WASHER		2
-37C	690-628	WASHER - (NAS1149F0563P)		2
-37D	690-629	WASHER - (NAS1149F0663P)		2
-37E	404-531	NUT - (MS21042-5)		2
38	402-903	BOLT - (NAS464P5LA20)		2
-38A	690-619	WASHER - (NAS1149F0532P)		2
-38B	690-628	WASHER - (NAS1149F0563P)		4
-38C	404-531	NUT - (MS21042-5)		2
39	402-910	BOLT - (NAS464P6LA20)		6
-39A	690-620	WASHER - (NAS1149F0632P)		6
-39B	690-629	WASHER - (NAS1149F0663P)		12
-39C	404-532	NUT - (MS21042-6)		6
40	402-911	BOLT - (NAS464P6LA21)		2
-40A	690-620	WASHER - (NAS1149F0632P)		2
-40B	96352-003	WASHER		2
-40C	690-628	WASHER - (NAS1149F0563P)		2
-40D	690-629	WASHER - (NAS1149F0663P)		2
-40E	404-532	NUT - (MS21042-6)		2
41	402-904	BOLT - (NAS464P5LA21)		2
-41A	690-619	WASHER - (NAS1149F0532P)		2
-41B	96352-002	WASHER		2
-41C	690-628	WASHER - (NAS1149F0563P)		2
-41D	690-629	WASHER - (NAS1149F0663P)		2
-41E	404-531	NUT - (MS21042-5)		2
42	402-914	BOLT - (NAS464P5LA15)		2
42A	690-619	WASHER - (NAS1149F0532P)		2
42B	690-628	WASHER - (NAS1149F0563P)		AR
42C	404-531	NUT - (MS21042-5)		2
43	402-915	BOLT - (NAS464P6LA6)		2
43A	690-629	WASHER - (NAS1149F0663P)		4

-Item not illustrated

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

**THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG**

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
2-				
43B	690-620	WASHER - (NAS1149F0632P)		2
43C	404-532	NUT - (MS21042-6)		2
44	86770-003	COVER - Access		4
45	87341-004	PLACARD - No step (See Figure 77)		RF
46	79174-002	WING WALK - Safety, Wing, Right		1
47	79174-004	WING WALK - Safety, Flap		1
48	78046-000	RETAINER - Wing Walk		1
-48A	763-849	KIT - Pressure Sensitive Wing Walk Installation		1
-48B	79174-000	. WING WALK - Safety, Wing		1
-48C	79174-004	. WING WALK - Safety, Flap		1
49	179-842	SAFETY WALK COMPOUND - Black (one quart can)		AR
50	35664-002	PLACARD - Flap warning (See Figure 77)		RF
51	453-966	BUTTON - Plug		2
52	38118-005	COVER - Access		2
53	62109-000	COVER - Inspection		6

-Item not illustrated

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**THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG**

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THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

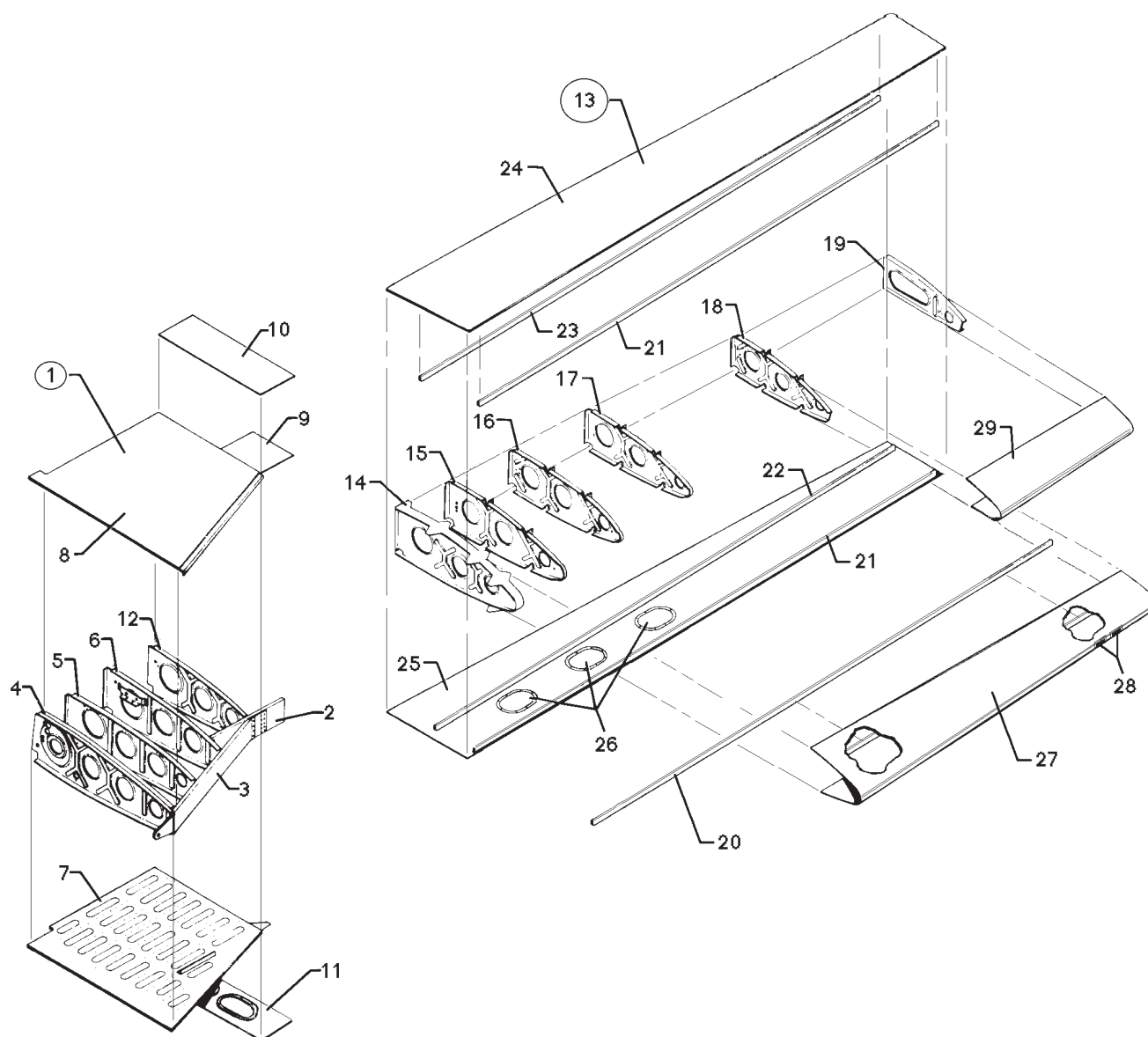


Figure 3. Wing Leading Edge Assembly

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
1	86500-006	WING ASSY - Inboard, left		RF
-1A	86500-007	WING ASSY - Inboard, right		RF
2	86156-002	. SPAR ASSY - Leading edge, inboard, left		1
-2A	86156-003	. SPAR ASSY - Leading edge, inboard, right		1
3	95022-000	. SPAR ASSY - Leading edge, root, left		1
-3A	95022-001	. SPAR ASSY - Leading edge, root, right		1
4	95640-000	. RIB ASSY - Root, left		1
-4A	95640-001	. RIB ASSY - Root, right		1
5	95383-000	. RIB ASSY - Nose, left		1
-5A	95383-001	. RIB ASSY - Nose, right		1
6	95382-000	. RIB ASSY - Nose, left		1
-6A	95382-001	. RIB ASSY - Nose, right		1
7	95098-000	. SKIN ASSY - Leading edge root, bottom, left		1
-7A	95098-001	. SKIN ASSY - Leading edge root, bottom, right		1
8	86181-002	. WING ASSY - Leading edge root, top, left, inboard		1
-8A	86181-003	. WING ASSY - Leading edge root, top, right, inboard		1
9	86181-004	. DOUBLER - Wing		1
10	86380-018	. SKIN ASSY - Leading edge, upper, inboard, left		1
-10A	86380-019	. SKIN ASSY - Leading edge, upper, inboard, right		1
11	86380-005	. SKIN ASSY - Leading edge, lower, inboard, left		1
-11A	86380-006	. SKIN ASSY - Leading edge, lower, inboard, right		1
12	95028-002	. RIB - Nose, sta. 50.05, left		1
-12A	95028-003	. RIB - Nose, sta. 50.05, right		1
13	35118-036	WING ASSY - Leading edge, outboard, left		RF
-13A	35118-037	WING ASSY - Leading edge outboard, right		RF
14	86524-002	. RIB ASSY - Nose, sta. 106.19, left		1
-14A	86524-003	. RIB ASSY - Nose, sta. 106.19, right		1
15	35592-000	. RIB - Nose, sta. 117.50, left		1
-15A	35592-001	. RIB - Nose, sta. 117.50, right		1
16	35118-030	. RIB - Nose, sta. 131.60, left		1
-16A	35118-031	. RIB - Nose, sta. 131.60, right		1
17	35118-022	. RIB - Nose, sta. 148.60, left		1
-17A	35118-023	. RIB - Nose, sta. 148.60, right		1
18	35166-000	. RIB - Nose, sta. 174.00, left		1
-18A	35166-001	. RIB - Nose, sta. 174.00, right		1
19	86545-002	. RIB ASSY - Nose, sta. 206.70, left		1
-19A	86545-003	. RIB ASSY - Nose, sta. 206.70, right		1
20	86517-004	. STRINGER - Leading edge, forward, top		1
21	35118-034	. STRINGER - Leading edge, center, top & bottom		2
22	35118-035	. STRINGER - Leading edge, aft, bottom		1
23	35118-039	. STRINGER - Leading edge, aft, top		1
24	35118-024	. SKIN - Leading edge, outboard, top, left		1
-24A	35118-025	. SKIN - Leading edge, outboard, top, right		1
25	35118-026	. SKIN - Leading edge, outboard, bottom, left		1
-25A	35118-027	. SKIN - Leading edge, outboard, bottom, right		1
26	95094-000	. DOUBLER - Access hole		3
27	35118-043	. SKIN - Leading edge, outboard, inside left		1
-27A	35118-045	. SKIN - Leading edge, outboard, inside right		1
28	35118-040	. DOUBLER - Lift detector cutout, sta. 168.82		1
-28A	35118-041	. DOUBLER - Lift detector cutout, sta. 175.35		1
29	35118-042	. SKIN - Leading edge, outboard, outside left		1
-29A	35118-047	. SKIN - Leading edge, outboard, outside right		1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

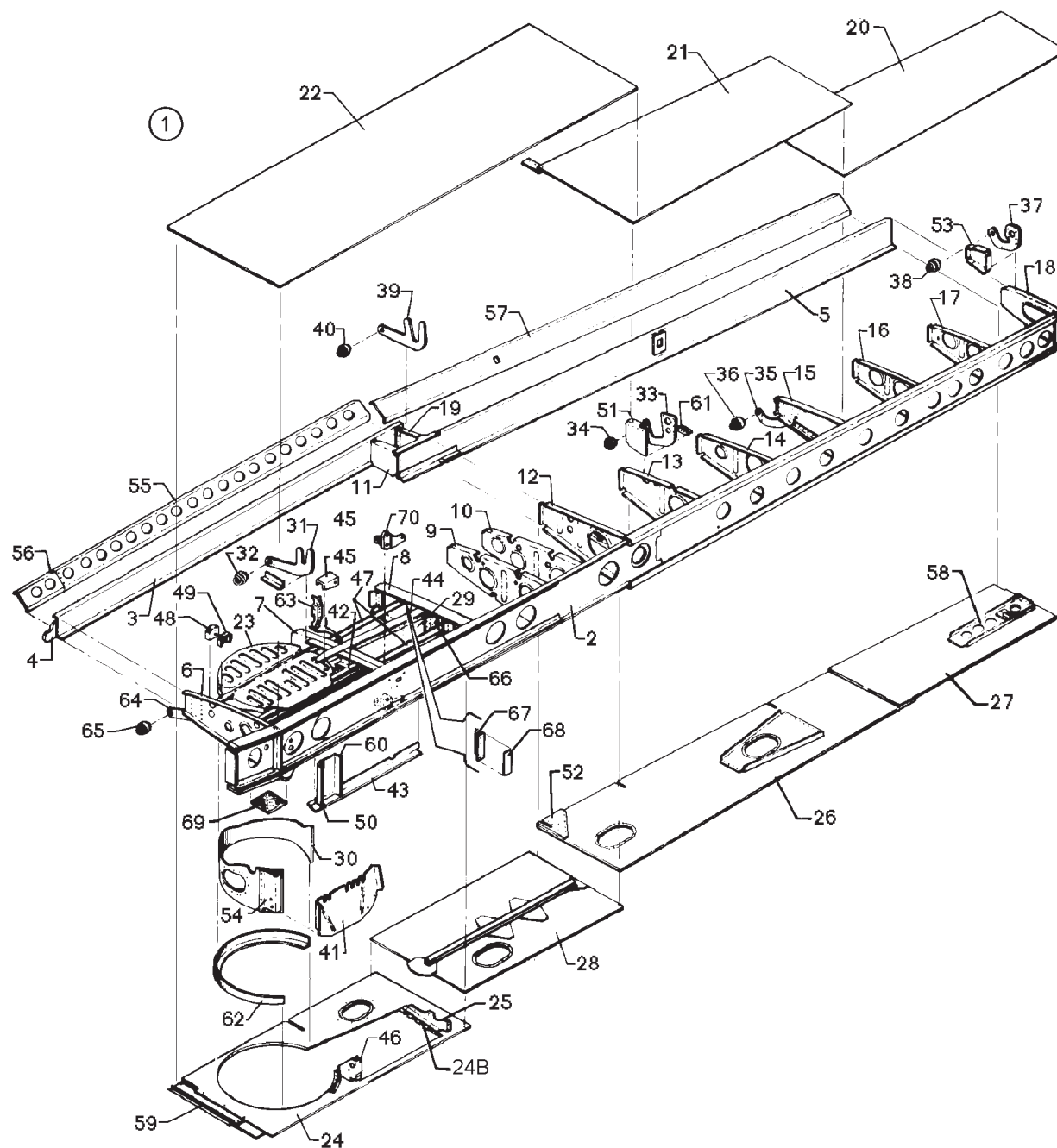


Figure 4. Wing Trailing Edge Assembly

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
1	86500-006	TRAILING EDGE ASSY - Wing aft section, left		RF
-1A	86500-007	TRAILING EDGE ASSY - Wing aft section, right		RF
2	86152-000	. SPAR ASSY - Wing main, left		1
-2A	86152-001	. SPAR ASSY - Wing main, right		1
3	35174-006	. SPAR ASSY - Wing aft, inboard, left		1
-3A	35174-007	. SPAR ASSY - Wing aft, inboard, right		1
4	66762-000	. . PLATE - Aft spar		1
5	86544-002	. SPAR ASSY - Wing aft, outboard, left		1
-5A	86544-003	. SPAR ASSY - Wing aft, outboard, right		1
6	95636-000	. RIB - Aft, sta. 24.24, left		1
-6A	95636-001	. RIB - Aft, sta. 24.24, right		1
7	78475-006	. RIB - Aft, sta. 49.25, left		1
-7A	78475-007	. RIB - Aft, sta. 49.25, right		1
8	38210-000	. RIB - Aft, sta. 69.24, left		1
-8A	38210-001	. RIB - Aft, sta. 69.24, right		1
9	66598-000	. RIB - Aft, sta. 86.03, left		1
-9A	66598-001	. RIB - Aft, sta. 86.03, right		1
10	86188-004	. RIB ASSY - Aft, sta. 93.66, left		1
-10A	86188-002	. . RIB		1
-10B	86188-005	. . DOUBLER		1
-10C	86188-003	. RIB - Aft, sta. 93.66, right		1
11	86543-002	. RIB - Aft, sta. 101.39, left		1
-11A	86543-003	. RIB - Aft, sta. 101.39, right		1
12	86538-002	. RIB ASSY - Aft, sta. 106.19, left		1
-12A	86538-003	. RIB ASSY - Aft, sta. 106.19, right		1
13	86529-002	. RIB - Aft, sta. 123.15, left		1
-13A	86529-003	. RIB - Aft, sta. 123.15, right		1
14	86530-002	. RIB - Aft, sta. 140.09, left		1
-14A	86530-003	. RIB - Aft, sta. 140.09, right		1
15	86532-002	. RIB - Aft, sta. 157.00, left		1
-15A	86532-003	. RIB - Aft, sta. 157.00, right		1
16	86533-002	. RIB - Aft, sta. 174.00, left		1
-16A	86533-003	. RIB - Aft, sta. 174.00, right		1
17	86534-002	. RIB - Aft, sta. 190.90, left		1
-17A	86534-003	. RIB - Aft, sta. 190.90, right		1
18	86535-002	. RIB - Aft, sta. 206.70, left		1
-18A	86535-003	. RIB - Aft, sta. 206.70, right		1
19	86541-002	. RIB - Aft, sta. 106.19, rear left		1
-19A	86541-003	. RIB - Aft, sta. 106.19, rear right		1
20	86561-004	. SKIN ASSY - Outboard, top, left		1
-20A	86561-005	. SKIN ASSY - Outboard, top, right		1
21	86561-002	. SKIN ASSY - Center, top, left		1
-21A	86561-003	. SKIN ASSY - Center, top, right		1
22	67672-006	. SKIN ASSY - Aft, top, inboard, left		1
-22A	67672-007	. SKIN ASSY - Aft, top, inboard, right		1
23	67673-000	. . PAN - Wheel well		1
24	67690-018	. SKIN ASSY - Aft, bottom, inboard, left		1
-24A	67690-019	. SKIN ASSY - Aft, bottom, inboard, right		1
24B	67095-000	. . HINGE - Main gear door, left		1
-24C	67095-001	. . HINGE - Main gear door, right		1
25	95668-000	. . BRACKET - Main gear up switch, left		1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
4-				
-25A	95668-001	. . BRACKET - Main gear up switch, right		1
26	86560-006	. SKIN ASSY - Aft, bottom, sta. 106.19 to sta. 174.00, left		1
-26A	86560-007	. SKIN ASSY - Aft, bottom, sta. 106.19 to sta. 174.00, right		1
27	86560-010	. SKIN - Aft, bottom, sta. 174.00 to sta. 206.70. left		1
-27A	86560-011	. SKIN - Aft, bottom, sta. 174.00 to sta. 206.70, right		1
28	38206-008	. SKIN ASSY - Aft, bottom, center, left		1
-28A	38206-009	. SKIN ASSY - Aft, bottom, center, right		1
29	67079-000	. WEB - False spar, left		1
-29A	67079-001	. WEB - False spar, right		1
30	67694-003	. WEB - Wheel well, left		1
-30A	67694-004	. WEB - Wheel well, right		1
31	65898-007	. SUPPORT ASSY - Flap, center		1
32	452-387	. . BEARING		1
33	86555-002	. HINGE FITTING - Aileron, left		1
-33A	86555-003	. HINGE FITTING - Aileron, right		1
34	452-387	. . BEARING		1
35	86556-002	. HINGE FITTING - Aileron, left		1
-35A	86556-003	. HINGE FITTING - Aileron, right		1
36	452-387	. . BEARING		1
37	86557-002	. HINGE FITTING - Aileron, left		1
-37A	86557-003	. HINGE FITTING - Aileron, right		1
38	452-387	. . BEARING		1
39	35425-000	. HINGE ASSY - Flap, outboard		1
40	452-387	. . BEARING		1
41	67164-000	. COVER - Cylinder access, left		1
-41A	67164-001	. COVER - Cylinder access, right		1
42	67670-000	. COVER ASSY - Control cable, left		1
-42A	67670-001	. COVER ASSY - Control cable, right		1
43	67689-002	. CAP - False spar, bottom, left		1
-43A	67689-003	. CAP - False spar, bottom, right		1
44	67097-002	. CAP - False spar, top, left		1
-44A	67097-003	. CAP - False spar, top, right		1
45	67071-000	. BRACKET - Main gear cylinder, left		1
-45A	67071-001	. BRACKET - Main gear cylinder, right		1
46	96308-002	. BRACKET - Wheel well, left		1
-46A	96308-003	. BRACKET - Wheel well, right		1
47	63904-024	. HOSE - Cable guard		2
48	67678-000	. BRACKET ASSY - Pulley, left		1
-48A	67678-001	. BRACKET ASSY - Pulley, right		1
49	67677-000	. BRACKET - Pulley, left		1
-49A	67677-001	. BRACKET - Pulley, right		1
50	67103-000	. BRACKET - Wheel well, left		1
-50A	67103-001	. BRACKET - Wheel well, right		1
51	86540-002	. DOUBLER - Aileron hinge, left		1
-51A	86540-003	. DOUBLER - Aileron hinge, right		1
52	35337-000	. DOUBLER - Wing		1
53	86542-002	. DOUBLER - Aileron hinge, left		1
-53A	86542-003	. DOUBLER - Aileron hinge, right		1
54	86837-002	. ZEE - Wheel well, left		1
-54A	86837-003	. ZEE - Wheel well, right		1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
4-				
55	62129-004	. STIFFENER - Left, outboard		1
-55A	62129-003	. STIFFENER - Right, outboard		1
56	62129-008	. STIFFENER - Left, inboard		1
-56A	62129-007	. STIFFENER - Right, inboard		1
57	86573-002	. CUFF - Aft spar, outboard, left		1
-57A	86573-003	. CUFF - Aft spar, outboard, right		1
58	86633-002	. CHANNEL ASSY - Pitot head, left		1
59	67723-000	. PLATE ASSY - Aft wing, access, left		1
-59A	67723-001	. PLATE ASSY - Aft wing, access, right		1
60	67081-000	. ANGLE - False spar		1
61	35404-000	. ANGLE - Aileron hinge, left		1
-61A	35404-001	. ANGLE - Aileron hinge, right		1
62	67687-000	. ANGLE - Wheel well, left		1
-62A	67687-001	. ANGLE - Wheel well, right		1
63	67065-000	. ANGLE - False spar		1
64	65898-000	. SUPPORT ASSY - Flap, inboard, left	4496001 thru 4496020	1
-64A	65898-001	. SUPPORT ASSY - Flap, inboard, right	4496001 thru 4496020	1
-64B	65898-016	. FITTING ASSY	4496021 and up	1
-64C	65898-017	. FITTING ASSY	4496021 and up	1
65	452-387	. . BEARING		1
66	37487-000	. ANGLE - False spar		1
67	78159-000	. ANGLE - Aft rib		1
68	68817-035	. PLATE - False spar		1
69	63078-017	. PAD - Bumper, rubber		3
70	95643-008	BRACKET ASSY - Main gear truss, left		RF
-70A	95643-009	BRACKET ASSY - Main gear truss, right		RF
-71	37722-002	ROD ASSY - (See Figure 29 for component parts)		1
-72	67090-010	DOOR ASSY - Left		1
-72A	67090-011	DOOR ASSY - Right (See Fig. 29 for component parts)		1
-73	37304-002	. FALSE SPAR ASSY		1
-73A	37304-003	. FALSE SPAR ASSY		1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

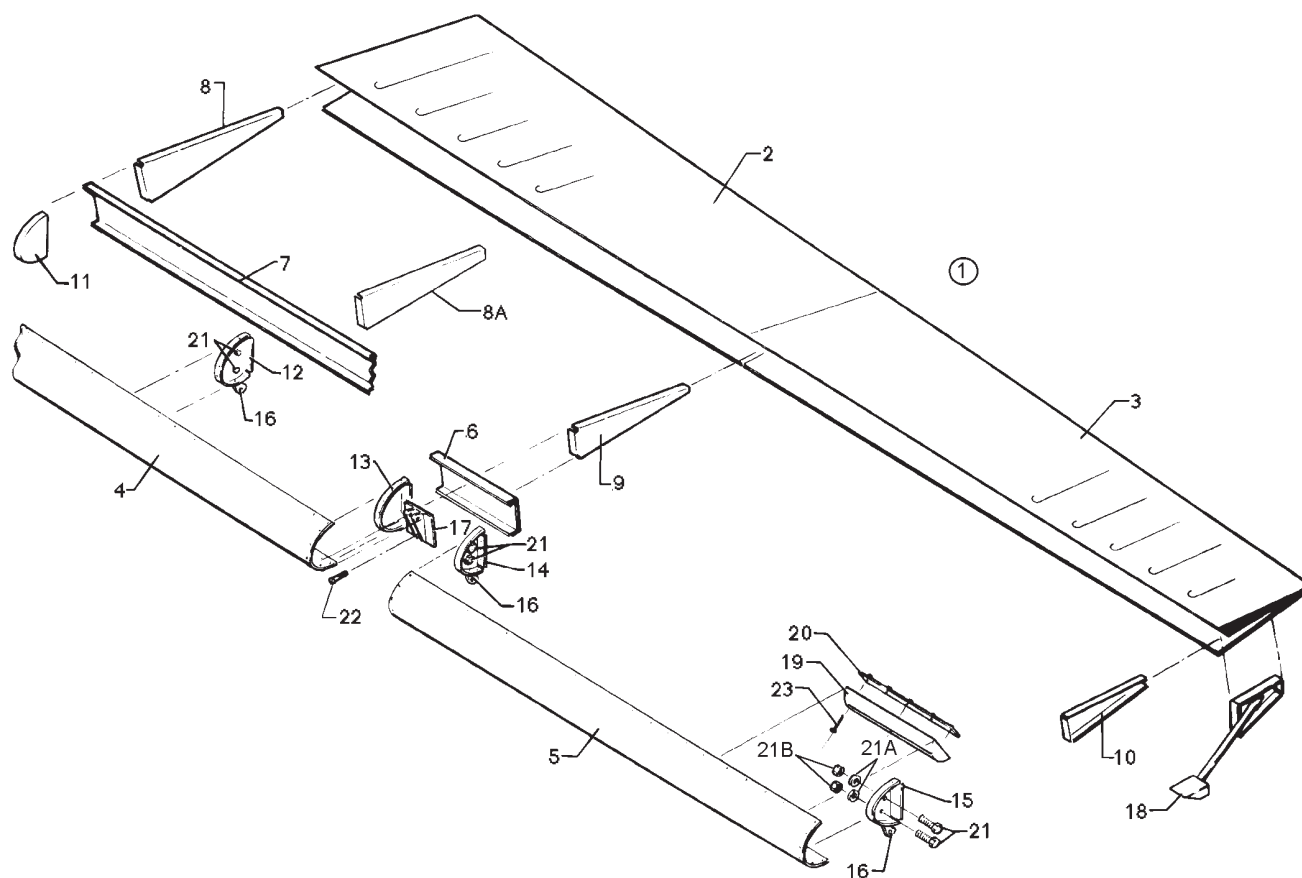


Figure 5. Aileron Assembly

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
5	86504 (AD)	DRAWING - Wing Installation		
1	86562-024	AILERON ASSY - Left (Aileron Assemblies 86562-24 and 86562-25 factory installed in Serial Numbers 4496020 and up. The -24 and -25 assemblies are direct replacement for the earlier 86562 -22 and 86562-23 assemblies installed in Serial Numbers 4496001 thru 4496019. Post Piper Service Bulletin #1016 and revisions)		1
-1A	86562-025	AILERON ASSY - Right (Aileron Assemblies 86562-24 and 86562-25 factory installed in Serial Numbers 4496020 and up. The -24 and -25 assemblies are direct replacement for the earlier 86562 -22 and 86562-23 assemblies installed in Serial Numbers 4496001 thru 4496019. Post Piper Service Bulletin #1016 and revisions)		1
2	86562-004	. SKIN - Aileron, inboard, left		1
-2A	86562-005	. SKIN - Aileron, inboard, right		1
3	86562-006	. SKIN - Aileron, outboard, left		1
-3A	86562-007	. SKIN - Aileron, outboard, right		1
4	86562-008	. SKIN - Aileron, leading edge, inboard, left		1
-4A	86562-009	. SKIN - Aileron, leading edge, inboard, right		1
5	86562-010	. SKIN - Aileron, leading edge, outboard, left		1
-5A	86562-011	. SKIN - Aileron, leading edge, outboard, right		1
6	38661-002	. DOUBLER - Aileron, left		1
-6A	38661-003	. DOUBLER - Aileron, right		1
7	35640-006	. SPAR - Aileron, left		1
-7A	35640-007	. SPAR - Aileron, right		1
8	35640-008	. RIB - Aileron, inboard, left		1
8A	86562-020	. RIB - Aileron, inboard, left		1
-8B	35640-009	. RIB - Aileron, inboard, right		1
-8C	86562-021	. RIB - Aileron, inboard, right		1
9	35640-010	. RIB - Aileron, center, left		1
-9A	35640-011	. RIB - Aileron, center, right		1
10	35640-012	. RIB - Aileron, outboard, left		1
-10A	35640-013	. RIB - Aileron, outboard, right		1
11	86395-002	. RIB - Aileron, nose, inboard, left		1
-11A	86395-003	. RIB - Aileron, nose, inboard, right		1
12	86396-008	. RIB - Aileron, nose, center, left (Aileron Assemblies 86562-24 and 86562-25 factory installed in Serial Numbers 4496020 and up. The -24 and -25 assemblies are direct replacement for the earlier 86562 -22 and 86562-23 assemblies installed in Serial Numbers 4496001 thru 4496019. Post Piper Service Bulletin #1016 and revisions)		1
-12A	86396-009	. RIB - Aileron, nose, center, right (Aileron Assemblies 86562-24 and 86562-25 factory installed in Serial Numbers 4496020 and up. The -24 and -25 assemblies are direct replacement for the earlier 86562 -22 and 86562-23 assemblies installed in Serial Numbers 4496001 thru 4496019. Post Piper Service Bulletin #1016 and revisions)		1
13	86397-004	. RIB - Aileron, nose, center, left		1
-13A	86397-005	. RIB - Aileron, nose, center, right		1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
5-				
14	86398-008	. RIB - Aileron, nose, center, left (Aileron Assemblies 86562-24 and 86562-25 factory installed in Serial Numbers 4496020 and up. The -24 and -25 assemblies are direct replacement for the earlier 86562 -22 and 86562-23 assemblies installed in Serial Numbers 4496001 thru 4496019. Post Piper Service Bulletin #1016 and revisions)		1
-14A	86398-009	. RIB - Aileron, nose, center, right (Aileron Assemblies 86562-24 and 86562-25 factory installed in Serial Numbers 4496020 and up. The -24 and -25 assemblies are direct replacement for the earlier 86562 -22 and 86562-23 assemblies installed in Serial Numbers 4496001 thru 4496019. Post Service Bulletin #1016 and revisions)		1
15	86399-008	. RIB - Aileron, nose, outboard, left (Aileron Assemblies 86562-24 and 86562-25 factory installed in Serial Numbers 4496020 and up. The -24 and -25 assemblies are direct replacement for the earlier 86562 -22 and 86562-23 assemblies installed in Serial Numbers 4496001 thru 4496019. Post Piper Service Bulletin #1016 and revisions)		1
-15A	86399-009	. RIB - Aileron, nose, outboard, right (Aileron Assemblies 86562-24 and 86562-25 factory installed in Serial Numbers 4496020 and up. The -24 and -25 assemblies are direct replacement for the earlier 86562 -22 and 86562-23 assemblies installed in Serial Numbers 4496001 thru 4496019. Post Piper Service Bulletin #1016 and revisions)		1
16	86392-002	. FITTING - Aileron hinge, left		3
-16A	86392-003	. FITTING - Aileron hinge, right		3
17	38660-002	. FITTING - Aileron pushrod attachment, left		1
-17A	38660-003	. FITTING - Aileron pushrod attachment, right		1
-17B	101335-002	. SAFETY CLIP (Reference Piper Service Bulletin #1028 - latest revision)	4496001 thru 4496015	2
18	86641-002	. WEIGHT ASSY - Aileron balance, left		1
-18A	86641-003	. WEIGHT ASSY - Aileron balance, right		1
19	86933-003	. WEIGHT - Aileron nose (Aileron Assemblies 86562-24 and 86562-25 factory installed in Serial Numbers 4496020 and up. The -24 and -25 assemblies are direct replacement for the earlier 86562 -22 and 86562-23 assemblies installed in Serial Numbers 4496001 thru 4496019. Post Piper Service Bulletin #1016 and revisions)		1
20	101180-002	. RETAINER ASSY - Balance weight, left (Aileron Assemblies 86562-24 and 86562-25 factory installed in Serial Numbers 4496020 and up. The -24 and -25 assemblies are direct replacement for the earlier 86562 -22 and 86562-23 assemblies installed in Serial Numbers 4496001 thru 4496019. Post Piper Service Bulletin #1016 and revisions)		1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
5-				
-20A	101180-003	. RETAINER ASSY - Balance weight, Right (Aileron Assemblies 86562-24 and 86562-25 factory installed in Serial Numbers 4496020 and up. The -24 and -25 assemblies are direct replacement for the earlier 86562 -22 and 86562-23 assemblies installed in Serial Numbers 4496001 thru 4496019. Post Piper Service Bulletin #1016 and revisions)		1
21	401-266	. BOLT - (AN3-5A)		6
21A	690-612	. WASHER - (NAS1149FN363P)		6
21B	506-564	. NUT - (MS21061-L3)		6
22	410-039	. SCREW - (MS24694-S51)		2
-22A	690-609	. WASHER - (NAS1149F0332P)		2
-22B	404-526	. NUT - (MS21042-3)		2
23	415-628	. SCREW - (MS35206-328)		5
-23A	690-639	. WASHER - (NAS1149FN616P)		5
-24	89639-006	. DOUBLER		1
-25	37280-003	. RETAINER ASSY		1
-26	86798-002	. FASTENER ASSY		1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
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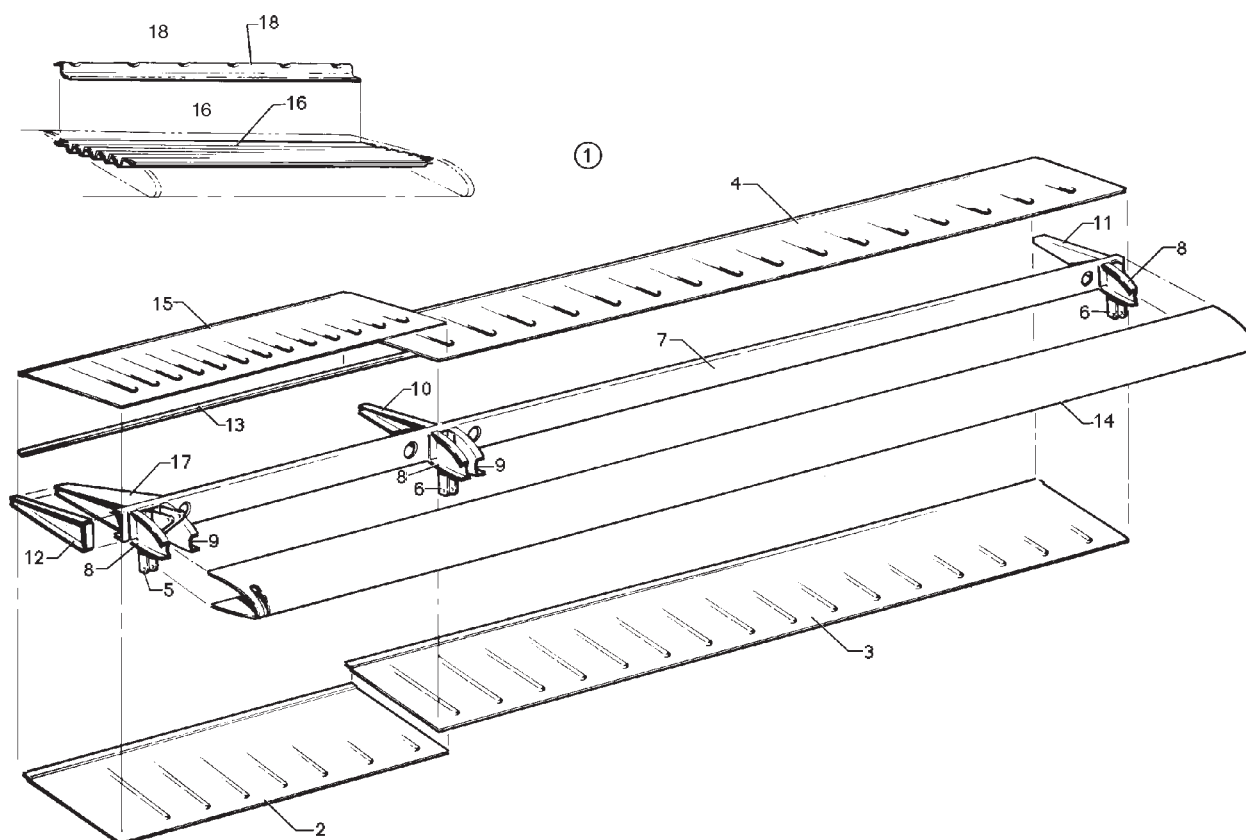


Figure 6. Flap Assembly

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FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
6	86504 (AD)	DRAWING - Wing Installation		
1	65591-000	FLAP ASSY - Left		1
-1A	65590-001	FLAP ASSY - Right		1
2	65592-000	. SKIN - Flap, bottom, left, inboard		1
-2A	65592-001	. SKIN - Flap, bottom, right, inboard		1
3	65588-000	. SKIN - Flap, bottom, left and right, outboard		1
4	65589-000	. SKIN - Flap, top, left and right, outboard		1
5	62324-000	. HINGE - Flap, inboard, left		1
-5A	62324-001	. HINGE - Flap, inboard, right		1
6	65899-000	. BRACKET - Flap hinge, center and outboard		2
7	62327-000	. SPAR - Flap		1
8	62328-000	. RIB - Left flap		3
-8A	62328-001	. RIB - Right flap		3
9	62328-001	. RIB - Left flap		2
-9A	62328-000	. RIB - Right flap		2
10	62332-002	. RIB - Flap, left, wing, sta. 49		1
-10A	62332-000	. RIB - Flap, right, wing, sta. 49		1
11	62330-000	. RIB - Flap, left		1
-11A	62330-001	. RIB - Flap, right		1
12	62331-000	. RIB - Flap, left, inboard		1
-12A	62331-001	. RIB - Flap, right, inboard		1
13	62320-003	. STRIP - Flap		1
14	65586-004	. SKIN - Flap, left, nose		1
-14A	65586-005	. SKIN - Flap, right, nose		1
15	65587-000	. SKIN - Flap, top, left, inboard		1
-15A	65594-001	. SKIN - Flap, top, right, inboard		1
16	65593-001	. CORRUGATION - Flap, top, right, inboard		1
-16A	65593-000	. CORRUGATION - Flap, top, left, inboard		1
17	62336-000	. DOUBLER ASSY - Left		1
-17A	62336-001	. DOUBLER ASSY - Right		1
18	65595-001	. ZEE - Flap, inboard, right		1
-19	581-760	. PLATE		1
-20	62320-007	RIB ASSY - Right		1
-20A	62320-006	RIB ASSY - Left		1

-Item not illustrated

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SECTION II

FUSELAGE GROUP

THE NEW PIPER AIRCRAFT, INC.
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AIRPLANE PARTS CATALOG

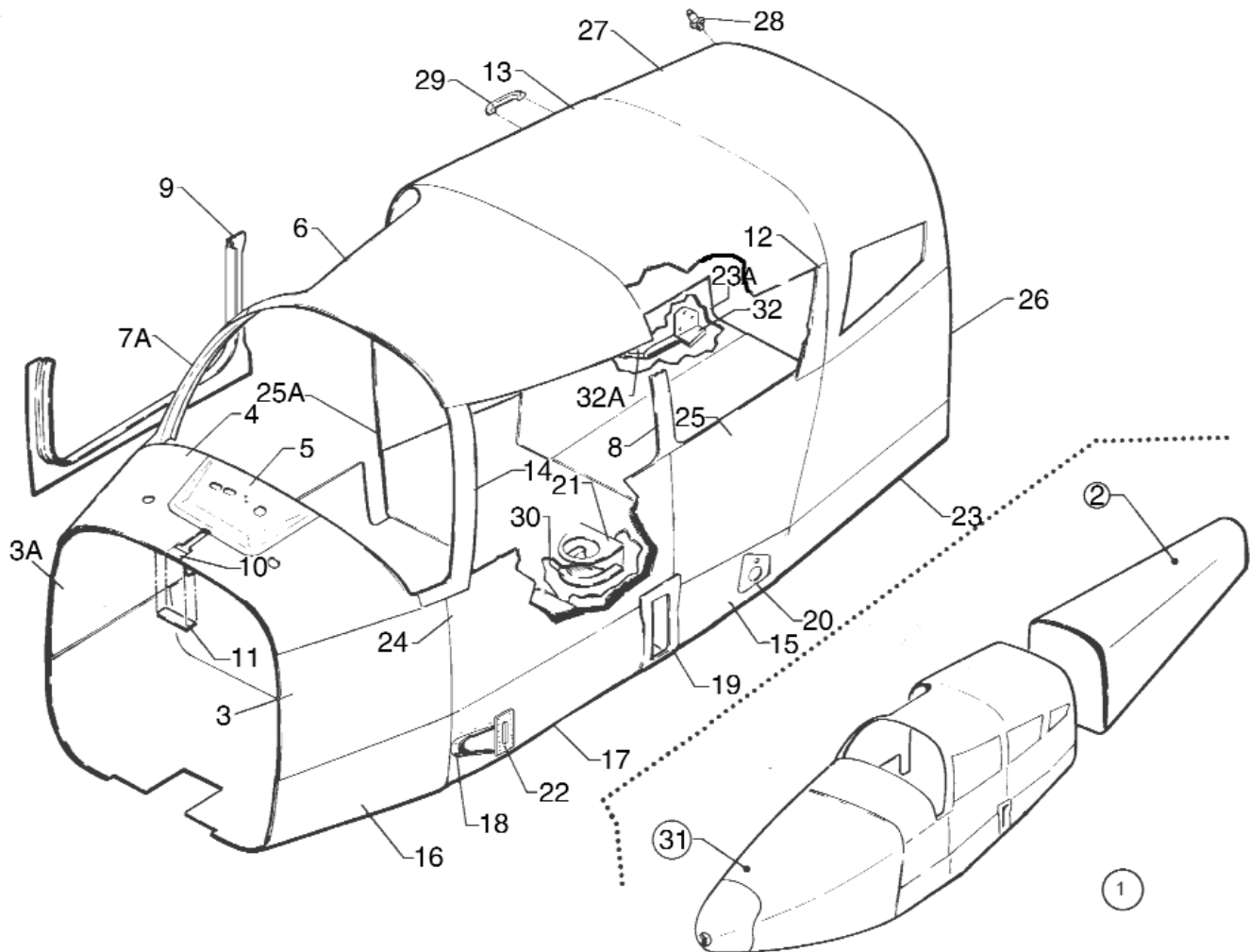


Figure 7. Fuselage Assembly - Complete

THE NEW PIPER AIRCRAFT, INC.
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AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
7	86601 (DG) 86646 (BZ)	DRAWING - Fuselage Assy DRAWING - Nose Cone Installation		
1	86601-004	FUSELAGE ASSY	4496001 thru 4496030	1
1	86601-005	FUSELAGE ASSY	4496031 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
1	86601-006	FUSELAGE ASSY	4496174, 4496224 and up (with Entegra)	1
2	86463-002	. AFT SECTION - Fuselage (See Figure 13 for component parts)	4496001 thru 4496030	RF
2	86463-006	. AFT SECTION - Fuselage (See Figure 13 for component parts)	4496031 thru 4496173, 4496175 thru 4496223 (without Entegra)	RF
2	86463-008	. AFT SECTION - Fuselage	4496174, 4496224 and up (with Entegra)	RF
3	79563-003	. SKIN - Cockpit, left front		1
3A	79563-000	. SKIN - Cockpit, right front		1
4	79569-000	. SKIN - Forward upper cockpit, top	4496001 thru 4496029	1
-4A	79569-002	. SKIN - Forward upper cockpit, top	4496030 and up	1
5	78112-005	. COVER ASSY - Cowl deck		1
6	86610-002	. SKIN - Upper cockpit, top, front		1
-7	79561-002	. PAN ASSY		
7A	79561-003	. . SKIN - Windshield trim, right side		1
8	76256-002	. SKIN - Window trim, left side		1
-8A	76257-000	. SKIN - Window trim, right side		1
9	76467-000	. LOWER PAN ASSY - Upper Cockpit		1
10	68817-050	. DOUBLER - Forward upper cockpit, top		1
11	62507-000	. FILLER - Forward upper cockpit, top		1
12	76297-000	. SKIN ASSY - Window trim, left side		1
-12A	76297-001	. SKIN ASSY - Window trim, right side		1
13	79573-002	. SKIN - Upper cockpit, top, center		1
14	86621-002	. SKIN - Windshield trim, left side		1
15	86435-002	. SKIN - Lower cockpit, center, rear		1
16	79582-002	. SKIN - Lower cockpit, front		1
17	86436-003	. SKIN - Lower cockpit, center, front		1
18	86469-002	. FAIRING - Wing root, left		1
-18A	86469-003	. FAIRING - Wing root, right		1
19	62541-002	. DOUBLER - Lower cockpit, left		1
-19A	62541-003	. DOUBLER - Lower cockpit, right		1
20	62549-000	. DOUBLER - Lower cockpit, LH and RH		2
21	86616-002	. DOUBLER - Lower cockpit, air scoop		2
22	86612-002	. DOUBLER - Lower forward cockpit		2
23	79580-004	. SKIN - Lower cockpit, left, rear		1
23A	79580-003	. SKIN - Lower cockpit, right, rear		1
24	76474-004	. SKIN - Cockpit, left side		1
25	76476-000	. SKIN - Cockpit, left side		1
25A	76476-001	. SKIN - Cockpit, right side		1
26	76475-000	. SKIN - Cockpit, left, rear		1
27	79577-000	. SKIN - Cockpit, top, rear		1
28	690-727	. STUD - Fastener - (AN227-22)		1
29	481-772	. HANDLE - Upper cockpit		
30	66609-002	SCOOP - Cabin air exhaust and fuel selector access		2
-30A	66965-000	SCOOP - Cabin air exhaust and fuel selector access (Used if cabin overhead fresh air ventilation system is installed)		2

-Item not illustrated

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

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FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
7-				
31	86446-038	CONE ASSY - Nose (See Figure 8 for component parts)		RF
32	65384-000	STEP ASSY - Fuselage		1
32A	65431-000	. STRIP - Safety		1

-Item not illustrated

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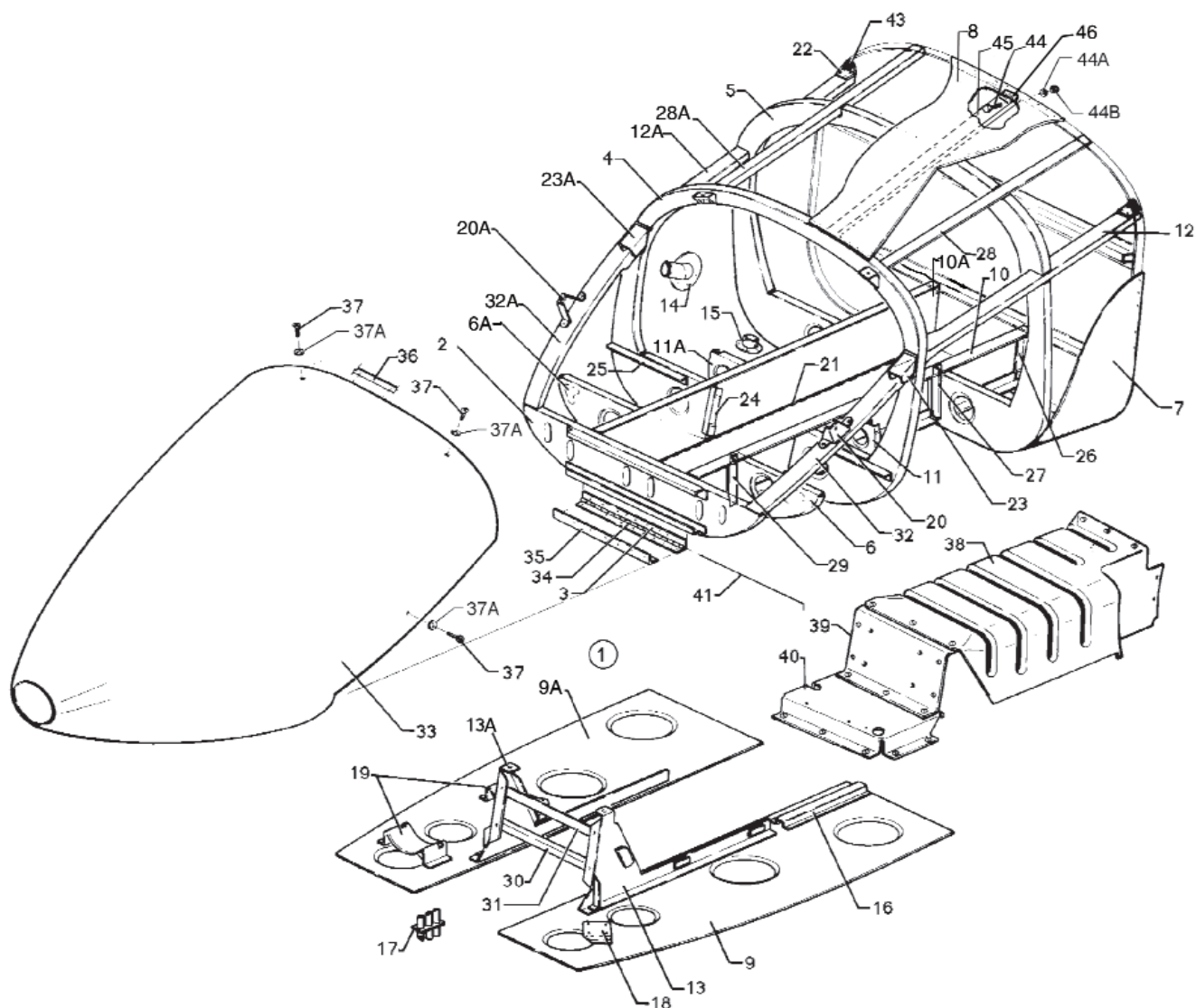


Figure 8. Fuselage Nose Cone Assembly

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FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
8	86446 (BX) 86620 (B)	DRAWING - Nose Cone Assy and Installation DRAWING - Battery Support and Wheelwell Cover Installation		
1	86446-038	CONE ASSY - Nose		1
1	86446-039	CONE ASSY - Nose (optional)		1
2	86301-000	. RIB ASSY - Nose cone, sta. 5.15		1
3	86301-007	. . HINGE HALF - Nose cone		1
4	86442-008	. RIB ASSY - Nose cone, canted, left		1
-4A	86442-009	. RIB ASSY - Nose cone, canted, right		1
5	86447-004	. RIB - Nose cone, sta. 35, left		1
-5A	86447-005	. RIB - Nose cone, sta. 35, right		1
6	86453-004	. RIB - Nose cone, sta. 10.80, left		1
6A	86453-005	. RIB - Nose cone, sta. 10.80, right		1
7	86446-004	. SKIN - Nose cone, lower, left		1
-7A	86446-005	. SKIN - Nose cone, lower, right (Used if combustion heater air inlet collar assy attaches to lower right nose cone skin with (16) rivets)		1
-7B	86446-040	. SKIN - Nose cone, lower, right (Used if combustion heater air inlet collar assy attaches to lower right nose cone skin with (8) rivets)		1
-7C	63900-019	. BUSHING		2
-7D	62833-007	. WASHER		2
-7E	411-534	. SCREW - (MS35207-265)		2
-7F	690-609	. WASHER (NAS 1149F0332P)		2
-7G	404-526	. NUT (MS 21042-3)		2
8	86446-006	. SKIN - Nose cone, top		1
9	86446-036	. SKIN - Floorboard, left		1
9A	86446-037	. SKIN - Floorboard, right		1
-9B	434-124	. GROMMET		1
10	86444-002	. SPAR ASSY - Nose cone, left		1
10A	86444-012	. SPAR ASSY - Nose cone, right		1
-10B	690-616	. . WASHER - (NAS1149FN832P)		5
-10C	415-533	. . SCREW - (MS35206-243)		5
-10D	603-384	. . NUT - (MS21047L08K)		3
-10E	415-553	. . SCREW - (MS35206-243)		2
-10F	603-391	. . NUTPLATE - (MS21047L3K)		2
-10G	400-002	. . BOLT - (AN4-5A)		2
-10H	404-530	. . NUT - (MS21042-4)		2
-10J	690-611	. . WASHER - (NAS1149F0463P)		2
11	86444-006	. . GUSSET - Nose cone spar, left		1
11A	86444-011	. . GUSSET - Nose cone spar, right		1
12	86443-002	. CHANNEL - Nose cone, side, left		1
12A	86443-003	. CHANNEL - Nose cone, side, right		1
13	86646-002	. RAIL ASSY - Wheelwell cover support, left		1
13A	86646-003	. RAIL ASSY - Wheelwell cover support, right		1
14	86681-002	. COLLAR ASSY - Combustion air (Used if combustion heater air inlet collar assy attaches to lower right nose cone skin with (16) rivets)		1
-14A	86943-002	. COLLAR ASSY - Combustion air (Used if combustion heater air inlet collar assy attached to lower right nose cone skin with (8) rivets)		1
15	86422-002	. SUPPORT ASSY - Combustion air collar		1
16	86267-002	. HAT ASSY - Close out		1
17	63947-000	. VENT ASSY - Battery		1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
8-				
18	86701-003	. RELAY BASE ASSY		1
19	86420-002	. SUPPORT - Janitrol heater		2
20	86464-002	. FASTENER ASSY - Nose cone		1
20A	86464-003	. FASTENER ASSY - Nose cone		1
21	86446-026	. HINGE HALF - Nose gear door, left		1
-21A	86446-027	. HINGE HALF - Nose gear door, right		1
22	86438-002	. ANGLE - Nose cone attachment, left		1
-22A	86438-003	. ANGLE - Nose cone attachment, right		1
23	86438-006	. CHANNEL - Nose cone, left		1
23A	86438-007	. CHANNEL - Nose cone, right		1
24	86446-022	. ANGLE - Canted frame, left		1
-24A	86446-023	. ANGLE - Canted frame, right		1
25	86446-021	. ANGLE - Canted frame		2
26	86452-002	. ANGLE - Nose spar		2
27	86446-017	. ANGLE - Bulkhead		2
28	86446-008	. STRINGER - Nose cone, left		1
28A	86446-009	. STRINGER - Nose cone, right		1
29	86446-024	. CLIP - Nose cone, left		1
-29A	86446-025	. CLIP - Nose cone, right		1
30	86446-028	. ANGLE - Nose cone, top		1
31	86446-029	. ANGLE - Nose cone, bottom		1
32	86445-002	. CHANNEL - Nose cone, lower, left		1
32A	86445-003	. CHANNEL - Nose cone, lower, right		1
33	86448-006	NOSE CONE ASSY		1
		(Used if dual landing lights are not installed)		
-33A	86448-007	NOSE CONE ASSY		1
		(Used if dual landing lights are installed)		
-33B	86449-027	. NOSE CONE FIBERGLASS ASSY		1
-33C	86449-026	. NOSE CONE FIBERGLASS ASSY		1
34	86448-005	. HINGE HALF - Nose cone		1
35	86448-003	. ANGLE - Hinge		1
36	86448-004	. SEAL - Nose cone		AR
37	410-014	. SCREW - 100 deg C/S SS (MS24694-C65)		4
37A	508-008	. WASHER, DIMPLED (SS)		4
-37B	690-640	. WASHER - (NAS1149FN632P)		10
38	86649-002	COVER ASSY - Wheelwell		1
39	86647-002	COVER ASSY - Forward wheelwell		1
40	86645-002	DAIS ASSY - Battery support		1
-40A	690-658	WASHER - (NAS1149D0316H)		10
-40B	411-532	SCREW - (MS35207-263)		10
-40C	411-533	SCREW - (MS35207-264)		4
41	86446-014	HINGE PIN - Nose cone		1
-42	DELETED			
43	401-392	BOLT - (AN6-10A)		2
-43A	690-629	WASHER - (NAS1149F0663P)		4
-43B	404-890	NUT - (MS20365-624C)		2
44	401-395	BOLT - (AN6-14A)		1
44A	690-629	WASHER - (NAS1149F0663P)		2
44B	404-890	NUT - (MS20365-624C)		1
45	86745-02	HAT Channel		1
46	86744-02	BRACKET		1

-Item not illustrated

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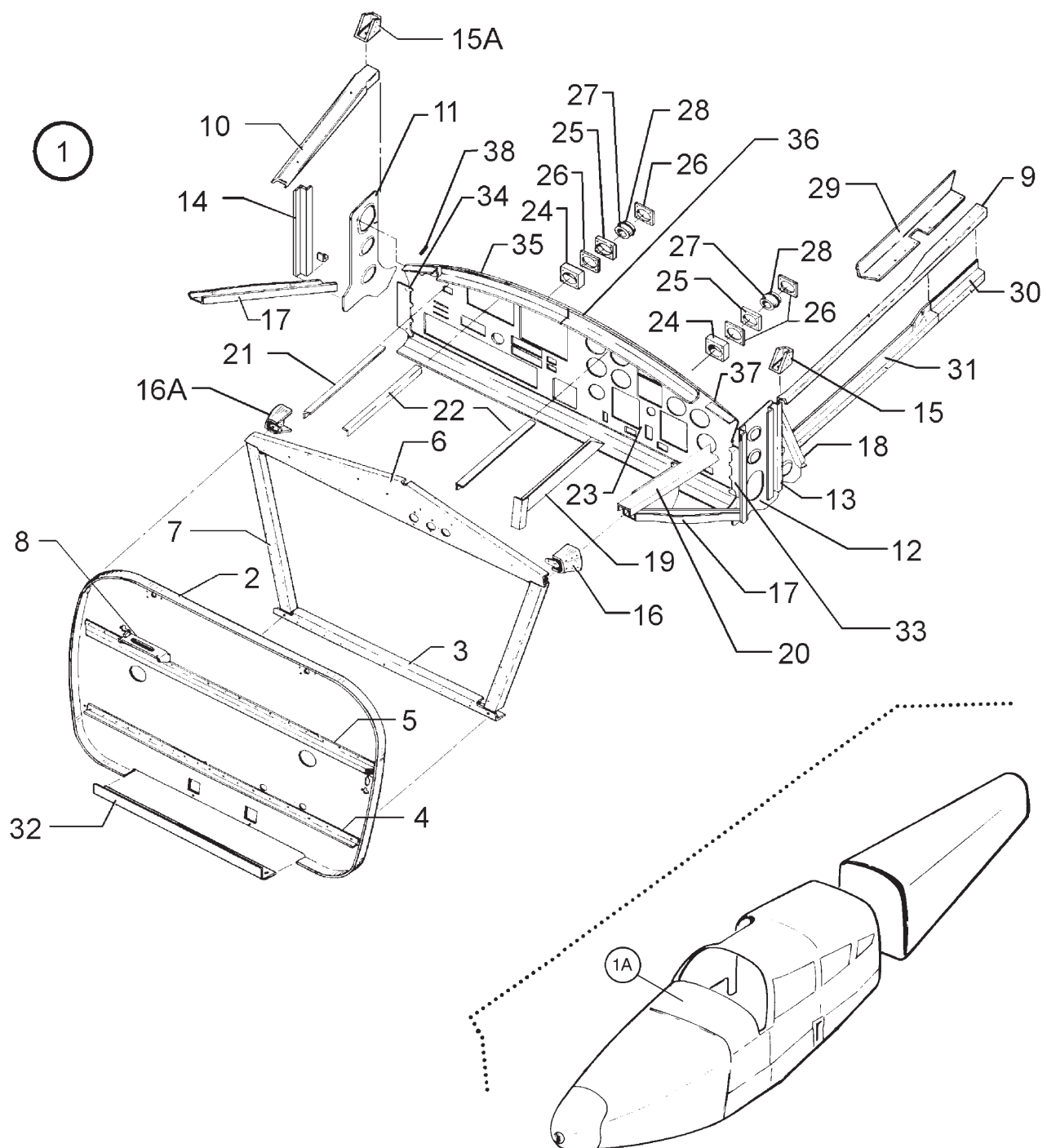


Figure 9. Fuselage Upper Forward Cockpit Assembly

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
9	86601 (DG)	DRAWING - Fuselage Assy		
1	86601-005	FUSELAGE ASSY - Upper cockpit assy, forward	4496030 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
1	86601-006	FUSELAGE ASSY - Upper cockpit assy, forward	4496174, 4496224 and up (with Entegra)	1
1A	86601-004	FUSELAGE ASSY - Upper cockpit assy, forward	4496001 thru 4496026	1
2	86433-002	. BULKHEAD ASSY - Forward	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
2	86433-003	. BULKHEAD ASSY - Forward	4496174, 4496224 and up (with Entegra)	1
-2A	520-041	. . STUD		4
-2B	690-616	. . WASHER - (NAS1149FN832P)		4
-2C	404-558	. . NUT - (AN21045-08)		4
3	62438-002	. . CHANNEL - Forward bulkhead		1
4	86256-002	. . ANGLE - Forward bulkhead		1
5	63423-004	. . CHANNEL ASSY - Toe brake reinforcement		1
6	67266-003	. . BEAM - Upper forward bulkhead	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
6	67266-005	. . BEAM - Upper forward bulkhead	4496174, 4496224 and up (with Entegra)	1
7	63436-001	. . CHANNEL - Forward bulkhead, left		10
-7A	63436-000	. . CHANNEL - Forward bulkhead, right		1
8	86425-002	. . SHELF - Brake fluid reservoir		1
9	76489-003	. LONGERON - Upper, left		1
10	62473-002	. LONGERON - Upper, right		1
11	62499-000	. WEB - Fuselage, right side		1
12	35727-000	. WEB - Upper cockpit		1
13	86614-007	. FRAME ASSY - Hat		1
14	86614-004	. . ZEE - Frame, left		1
-14A	62674-001	. ZEE ASSY - Frame, right		1
-14B	86614-009	. ZEE - Frame, right		1
15	79553-000	. FITTING - Upper forward cockpit, sta. 73, left		1
15A	79553-001	. FITTING - Upper forward cockpit, sta. 73, right		1
16	79739-002	. FITTING - Engine mount, center, left		1
16A	79739-003	. FITTING - Engine mount, center, right		1
17	86424-002	. CHANNEL - Upper cockpit, left		1
-17A	86424-003	. CHANNEL - Upper cockpit, right		1
18	76137-002	. CHANNEL - Sta. 73.04		1
19	89350-002	. SUPPORT ASSY - Instrument panel		1
-19A	400-438	. . BOLT - (AN3-4A)		1
-19B	690-612	. . WASHER - (NAS1149F0363P)		1
-19C	404-526	. . NUT - (MS21042-3)		1
20	39769-002	. PLATE ASSY - Voltage regulator support	4496001 thru 4496167	1
-20A	101414-002	. PLATE ASSY - Voltage regulator support	4496168 and up	1
21	67258-000	. ANGLE - Stiffener, upper forward cockpit		1
22	67259-002	. ANGLE - Stiffener, upper forward cockpit	4496001 thru 4496011	1
-22A	67259-013	. ANGLE - Stiffener, upper forward cockpit	4496012 and up	1
23	89349-004	PANEL ASSY - Instrument, standard	4496002 thru 4496013	1
-23A	89349-005	PANEL ASSY - Instrument, advanced	4496002 thru 4496013	1
-23B	89349-006	PANEL ASSY - Instrument, advanced	4496014 thru 4496019	1
-23C	89349-007	PANEL ASSY - Instrument, standard	4496020 and up	1

-Item not illustrated

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THE NEW PIPER AIRCRAFT, INC.
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AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
9-				
-23D	89349-008	PANEL ASSY - Instrument, advanced	4496020 and up	1
-23E	89349-010	PANEL ASSY - Instrument	4496030 thru 4496173, 4496175 thru 4496203, 4496205 thru 4496223	1
-23F	89349-011	PANEL ASSY - Instrument	4496204	1
-23G	101832-002	PANEL ASSY - Instrument	4496174, 4496224 and up (with Entegra)	1
-23H	101833-002	. INSTRUMENT PANEL		1
24	68272-004	. PLATE - Control wheel		2
25	68272-002	. PLATE - Control wheel		2
26	68272-003	. PLATE - Control wheel		4
27	68273-002	. BUSHING - Control wheel		2
28	484-792	. O-RING - Control wheel (MS28775-218)		2
-28A	517-808	. SCREW		9
-28B	515-720	. SCREW		8
-28C	515-714	. SCREW		2
-28D	486-317	. SCREW		2
-28E	690-618	. WASHER - (NAS1149FNS16P)		8
-28F	404-558	. NUT - (MS21045-08)		8
29	86768-002	ANGLE - Side panel, left		1
30	86703-002	ZEE - Longeron reinforcement		1
31	69129-000	CHANNEL - Longeron reinforcement		1
-31A	407-042	. LOCKWASHER - (MS35338-42)		2
-31B	415-535	. SCREW - (MS35206-245)		2
32	63285-000	ANGLE - Bulkhead		1
33	38999-002	BRACKET - Instrument panel, left		1
-33A	520-013	. SCREW		4
34	38999-003	BRACKET - Instrument panel, right		1
-34A	520-013	. SCREW		4
35	38772-002	ANGLE - Instrument panel, right		1
36	38773-002	ANGLE - Instrument panel, left		1
37	79332-000	ANGLE ASSY - Instrument panel, left		1
38	79424-000	ANGLE ASSY - Instrument panel, right		1
-39	404-322	NUT - (AN316-4R)		2

-Item not illustrated

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

**THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG**

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THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

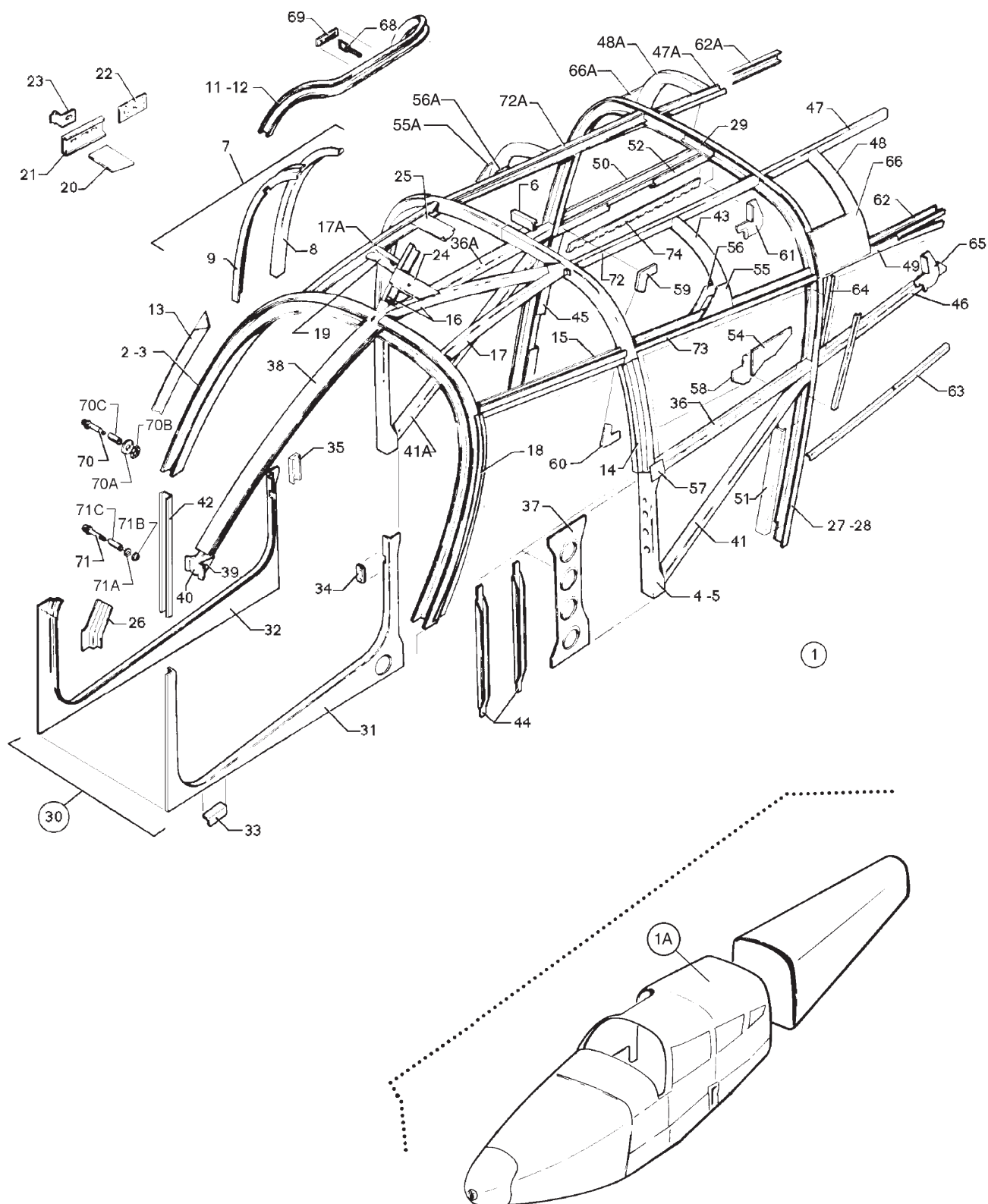


Figure 10. Fuselage Upper Center Cockpit Assembly

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
10	86601 (DG)	DRAWING - Fuselage Assy		
1	86601-005	FUSELAGE ASSY - Upper cockpit assy, center	4496030 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
1A	86601-004	FUSELAGE ASSY - Upper cockpit assy, center	4496001 thru 4496039	1
2	76468-008	. FRAME ASSY - Canted, fuselage, sta. 85.60		1
3	76468-002	. . FRAME - Left		1
-3A	76468-003	. . FRAME - Right		1
-3B	76468-006	. . CHANNEL - Left		1
-3C	76468-007	. . CHANNEL - Right		1
-3D	62424-002	. . FITTING		1
-3E	401-269	. . BOLT - (AN3-10A)		8
-3F	400-441	. . BOLT - (AN3-7A)		2
-3G	690-612	. . WASHER - (NAS1149FN363P)		10
-3H	690-609	. . WASHER - (NAS1149F0332P)		8
-3J	404-526	. . NUT - (MS20365-1032C)		10
4	62426-006	. FRAME ASSY - Fuselage, sta. 108.16		1
-4A	62426-007	. . FRAME ASSY - Fuselage, sta. 108.16		1
5	62427-000	. . CHANNEL - Fuselage frame, left		1
-5A	62427-002	. . CHANNEL - Fuselage frame, right		1
6	62429-000	. . CHANNEL - Splice plate		1
7	79561-002	. PAN ASSY - Upper, cabin door		1
8	79561-008	. . PAN - Inner, side		1
9	79561-007	. . PAN - Outer, side		1
-10	DELETED			
11	79561-009	. . PAN - Outer, upper		1
12	79561-010	. . PAN - Inner, upper		1
13	79561-004	. JAMB - Door, forward		1
14	86606-002	. SILL - Emergency exit, rear		1
15	86604-003	. SILL ASSY - Emergency exit, top		1
16	66969-002	. CHANNEL - Upper center fuselage, left		1
-16A	66969-003	. CHANNEL - Upper center fuselage, right		1
17	76140-003	. CHANNEL - Upper center cockpit, left		1
17A	76140-004	. CHANNEL - Upper center cockpit, right		1
18	86605-002	. SILL - Emergency exit, forward		1
19	63038-002	. CHANNEL - Support		1
20	76365-000	. PLATE - Door latch		1
21	69740-002	. CHANNEL - Door latch		1
22	69738-000	. PLATE ASSY - Door latch		1
-22A	69738-002	. . PLATE - Door latch		1
23	69739-000	. CLIP - Door latch		1
24	79161-000	. DOUBLER - Antenna	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
24	101986-003	. DOUBLER ASSY - Antenna	4496174, 4496224 and up (with Entegra)	1
25	76239-000	. CHANNEL - Upper cockpit		1
26	76467-004	. CHANNEL - Door frame splice		1
27	62412-002	FRAME ASSY - Fuselage, sta. 128.737, upper		1
28	62410-000	. CHANNEL - Upper frame, left		1
-28A	62410-001	. CHANNEL - Upper frame, right		1
29	62430-000	. CHANNEL - Splice plate		1
30	76467-000	PAN ASSY - Lower		1
31	76467-003	. PAN - Inboard		1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
10-				
32	76467-002	. PAN - Outboard		1
33	62656-000	. ANGLE ASSY - Door holder		1
34	79639-002	. PLATE - Striker		1
35	79233-000	. CHANNEL - Splice		1
-35A	411-532	. . SCREW - (MS35207-263)		2
-35B	603-335	. . NUT - (MS21071L3K)		2
-35C	189-625	. . GROMMET		1
36	65572-000	LONGERON - Upper center cockpit, left		1
36A	65572-001	LONGERON - Upper center cockpit, right		1
37	62644-003	WEB - Upper center fuselage, left		1
38	62509-005	HAT ASSY - Windshield		1
-38A	62486-002	. HAT		1
-38B	79551-003	. HAT		1
39	62505-000	. BRACKET - Windshield		1
40	62423-000	. FITTING		1
41	65570-000	CHANNEL - Upper center cockpit, left		1
41A	65570-001	CHANNEL - Upper center cockpit, right		1
42	62483-002	CHANNEL - Right door, front, sta. 72.6		1
43	99690-000	CHANNEL - Upper cockpit, left		1
-43A	99690-001	CHANNEL - Upper cockpit, right		1
44	99421-000	CHANNEL - Armrest support		2
45	62636-000	CHANNEL - Baggage door frame, front		1
46	62637-000	CHANNEL - Fuselage rear, left		1
47	62639-000	CHANNEL - Upper center cockpit, left		1
47A	62639-001	CHANNEL - Upper center cockpit, right		1
48	99691-000	CHANNEL - Upper cockpit, rear, left		1
48A	99691-001	CHANNEL - Upper cockpit, rear, right		1
49	67267-000	CHANNEL - Support, left		1
-49A	67267-001	CHANNEL - Support, right		1
50	62635-000	CHANNEL - Baggage door frame, top, inner		1
51	62410-002	CHANNEL - Fuselage, sta. 128.737		1
52	62634-000	CHANNEL - Baggage door frame, top, outer		1
-53	DELETED			
54	65117-000	GUSSET - Upper center cockpit, left		1
-54A	65116-000	GUSSET - Upper center cockpit, right		1
55	99692-000	DOUBLER - Shoulder harness, left		1
55A	99692-001	DOUBLER - Shoulder harness, right		1
56	99741-000	GUSSET - Headliner attachment, left		1
56A	99741-001	GUSSET - Headliner attachment, right		1
57	65122-000	GUSSET - Upper cockpit		1
58	62571-000	GUSSET - Baggage door frame, bottom, rear		1
59	62632-000	GUSSET - Baggage door frame, top, front		1
60	62633-000	GUSSET - Baggage door frame, bottom, front		1
61	76279-000	GUSSET - Baggage door frame, top, rear, right		1
62	67291-000	STRINGER - Upper center cockpit, left		1
62A	67291-001	STRINGER - Upper center cockpit, right		1
63	86721-003	STIFFENER - Left side, rear		1
64	76261-000	ANGLE - Support, left		1
-64A	76261-001	ANGLE - Support, right		1
65	76279-002	GUSSET - Fuselage, top, left		1
66	99693-000	DOUBLER - Shoulder harness, left		2
-67	DELETED			
68	63037-000	LOOP ASSY - Door latch		1
69	79234-000	PLATE		1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
10-				
70	402-057	BOLT - Eye, upper door hinge attachment (AN44-17A)		1
-70A	690-619	WASHER - (NAS1149F0532P)		1
-70B	404-837	NUT - (MS20364-524C)		1
-70C	63900-047	BUSHING - Upper door hinge		1
71	402-057	BOLT - Eye, lower door hinge attachment (AN44-17A)		1
-71A	690-619	WASHER - (NAS1149F0532P)		1
-71B	404-837	NUT - (MS20364-524C)		1
-71C	63900-046	BUSHING - Lower door hinge		1
72	62477-000	CHANNEL - Upper center cockpit, left		1
72A	62477-001	CHANNEL - Upper center cockpit, right		1
73	67262-002	CHANNEL - Upper center cockpit, left		1
-73A	67262-003	CHANNEL - Upper center cockpit, right		1
74	62419-011	HINGE HALF - Baggage door		1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
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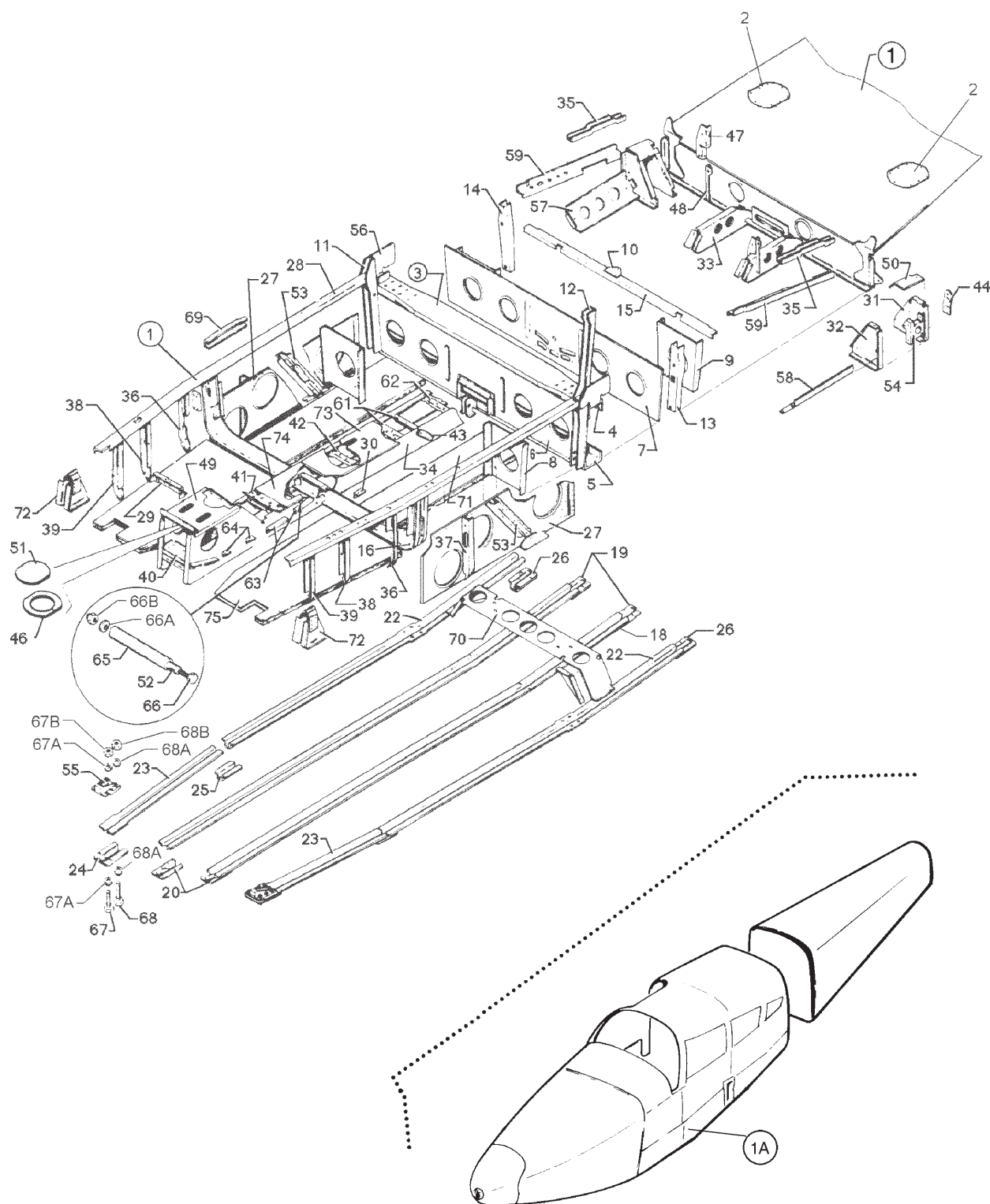


Figure 11. Fuselage Lower Forward Cockpit Assembly

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
11	86601 (DG)	DRAWING - Fuselage Assy		
1	86601-005	FUSELAGE ASSY - Upper cockpit assy, center	4496030 thru 4496173, 4496175 thru 4496223 (without Entegra)	RF
1	86601-006	FUSELAGE ASSY - Upper cockpit assy, center	4496174, 4496224 and up	RF
1A	86601-004	FUSELAGE ASSY - Lower	4496001 thru 4496029	RF
2	62109-000	. COVER - Inspection access (See Figure 12 for component parts)		RF
3	86286-002	BOX ASSY - Spar, lower cockpit		1
4	95732-002	.. CHANNEL - Spar box, top		1
5	62540-000	.. CHANNEL - Spar box, bottom		1
6	86455-002	.. WEB - Spar box, front		1
7	86456-002	.. WEB - Spar box, rear		1
8	96324-000	.. DOUBLER - Spar box, forward, left		1
-8A	96324-001	.. DOUBLER - Spar box, forward, right		1
9	96329-000	.. DOUBLER - Spar box, aft, left		1
-9A	96329-001	.. DOUBLER - Spar box, aft, right		1
10	99045-000	.. BRACKET - Flap return spring		1
11	62545-002	.. CHANNEL - Spar box, forward, right		1
12	68562-002	.. CHANNEL - Spar box, forward, left		1
13	68524-002	.. CHANNEL - Spar box, aft, left		1
14	96339-001	.. CHANNEL - Spar box, aft, right		1
15	86285-002	.. CHANNEL - Floor support		1
16	76126-003	. FRAME ASSY - Fuselage, sta. 73.04		1
-17	DELETED			
18	76114-000	.. HAT		2
19	62554-000	.. FAIRING - Rear		1
20	86467-002	.. FAIRING - Front		1
-21	DELETED			
22	86468-002	.. HAT - Rear, left		1
-22A	86468-003	.. HAT - Rear, right		1
-22B	86369-002	.. BRACKET		1
-22C	415-519	... SCREW - (MS35206-229)		2
-22D	407-582	... WASHER - (AN960-6L)		2
-22E	404-528	... NUT - (MS20364-632C)		2
23	62528-000	.. HAT - Forward, left		1
-23A	62528-001	.. HAT - Forward, right		1
24	62544-000	.. FAIRING - Front, left		1
-24A	62544-001	.. FAIRING - Front, right		1
25	62558-000	.. FAIRING - Center, left		1
-25A	62558-001	.. FAIRING - Center, right		1
26	62554-000	.. FAIRING - Rear		2
27	86437-002	. WEB - Lower cockpit, left		1
-27A	86437-003	. WEB - Lower cockpit, right		1
28	76490-002	. LONGERON - Lower cockpit, left		1
-28A	76490-003	. LONGERON - Lower cockpit, right		1
29	62664-000	. ZEE ASSY - Tunnel		2
30	96282-000	. SUPPORT - Cable clamp		2
31	62536-004	. SUPPORT - Rear seat bottom, left		1
-31A	62536-005	. SUPPORT - Rear seat bottom, right		1
32	62550-000	. SUPPORT - Rear seat bottom, left		1
-32A	62550-001	. SUPPORT - Rear seat bottom, right		1
-32B	401-269	. BOLT - (AN3-10A)		1
-32C	690-612	. WASHER - (NAS1149FN363P)		2

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
11-				
-32D	404-526	. NUT - (MS21042-3)		1
33	62763-000	. SUPPORT - Torque shaft center		2
34	86630-002	. CHANNEL - Tunnel, side, left		1
-34A	86630-003	. CHANNEL - Tunnel, side, right		1
35	62551-000	. CHANNEL - Lower cockpit, left		1
-35A	62551-001	. CHANNEL - Lower cockpit, right		1
36	86615-002	. CHANNEL - Sta. 67.68, left		1
-36A	86615-003	. CHANNEL - Sta. 67.68, right		1
37	86676-002	. CHANNEL - Lower cockpit, left		1
-37A	35760-000	. CHANNEL - Lower cockpit, right		1
38	35761-000	. CHANNEL - Lower cockpit, right		1
-38A	35761-001	. CHANNEL - Lower cockpit, left		1
39	35762-000	. CHANNEL - Lower cockpit, right		1
-39A	35762-001	. CHANNEL - Lower cockpit, left		1
40	62620-000	. BRACKET - Pulley		2
41	96086-000	. BRACKET ASSY - Cowl flap control		1
42	86632-002	. BRACKET ASSY - Tunnel		1
43	96887-002	. BRACKET - Seat belt attachment, left		1
-43A	96887-000	. BRACKET - Seat belt attachment, right		1
44	79319-000	. BRACKET - Seat belt attachment		1
-44A	401-266	. BOLT - (AN3-5A)		4
-44B	690-609	. WASHER - (NAS1149F0332P)		4
-44C	690-612	. WASHER - (NAS1149FN363P)		4
-44D	404-526	. NUT - (MS21042-3)		4
46	36565-003	. DOUBLER ASSY - Transponder antenna access		1
47	86470-004	. BRACKET - Anchor, push-pull, left		1
-47A	86470-005	. BRACKET - Anchor, push-pull, right		1
48	86470-006	. BRACKET - Anchor, push-pull, left		1
-48A	86470-007	. BRACKET - Anchor, push-pull, right		1
49	86644-002	. PLATE - Tunnel, top, front		1
50	62583-000	. PLATE - Flap torque tub support, left		1
-50A	62583-001	. PLATE - Flap torque tub support, right		1
51	36565-002	. PLATE - Transponder antenna access		1
52	63882-081	. COVER - Teflon		1
53	96890-002	. HAT ASSY - Seat belt attachment, left		1
-53A	96890-003	. HAT ASSY - Seat belt attachment, right		1
54	62421-000	. FITTING - Flap torque tube assy, left		1
-54A	62421-001	. FITTING - Flap torque tube assy, right		1
-54B	401-266	. BOLT - (AN3-5A)		3
-54C	690-609	. WASHER - (NAS1149F0332P)		3
-54D	690-612	. WASHER - (NAS1149FN363P)		3
-54E	404-526	. NUT - (MS21042-3)		3
55	62441-000	. FITTING - Lower cockpit, left		1
-55A	62441-001	. FITTING - Lower cockpit, right		1
56	62542-000	. GUSSET - Lower cockpit, left		1
-56A	62542-001	. GUSSET - Lower cockpit, right		1
57	65126-000	. STIFFENER - Lower cockpit, right		1
58	65126-001	. STIFFENER - Lower cockpit, left		1
59	62525-002	. STRINGER - Rear of spar box, left		1
-59A	62525-003	. STRINGER - Rear of spar box, right		1
61	86577-002	. ANGLE ASSY - Slide support		2
62	86578-002	. ANGLE - Cable support		1
63	99417-000	. ANGLE - Heat duct		4
64	99420-000	. CLIP - Tunnel, heat duct, left		2

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
11-				
-64A	99420-001	. CLIP - Tunnel, heat duct, right		2
65	86631-005	. TUBE - Tunnel spacer		1
66	401-289	. BOLT - (AN3-63A)		1
66A	690-609	. WASHER - (NAS1149F0332P)		2
66B	404-526	. NUT - (MS21042-4)		1
67	415-322	. BOLT - (MS27039-1-12)		4
67A	690-657	. WASHER - (NAS1149D0363H)		8
67B	404-526	. NUT - (MS21042-4)		4
68	415-323	. BOLT - (MS27039-1-13)		8
68A	690-657	. WASHER - (NAS1149D0363H)		16
68B	404-526	. NUT - (MS21042-4)		8
69	86737-002	. CHANNEL - Fuselage, right		1
70	86233-003	BRACKET ASSY - Fuel selector		1
71	96684-000	FLOORBOARD - Sta. 74 to sta. 105		2
72	79258-000	BRACKET ASSY - Rudder pedal stop, left		1
-72A	79258-001	BRACKET ASSY - Rudder pedal stop, right		1
73	86624-002	COVER ASSY - Tunnel		1
74	86643-002	COVER - Tunnel, forward		1
75	76123-004	FLOORBOARD - Front, left		1
-75A	76123-005	FLOORBOARD - Front, right		1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

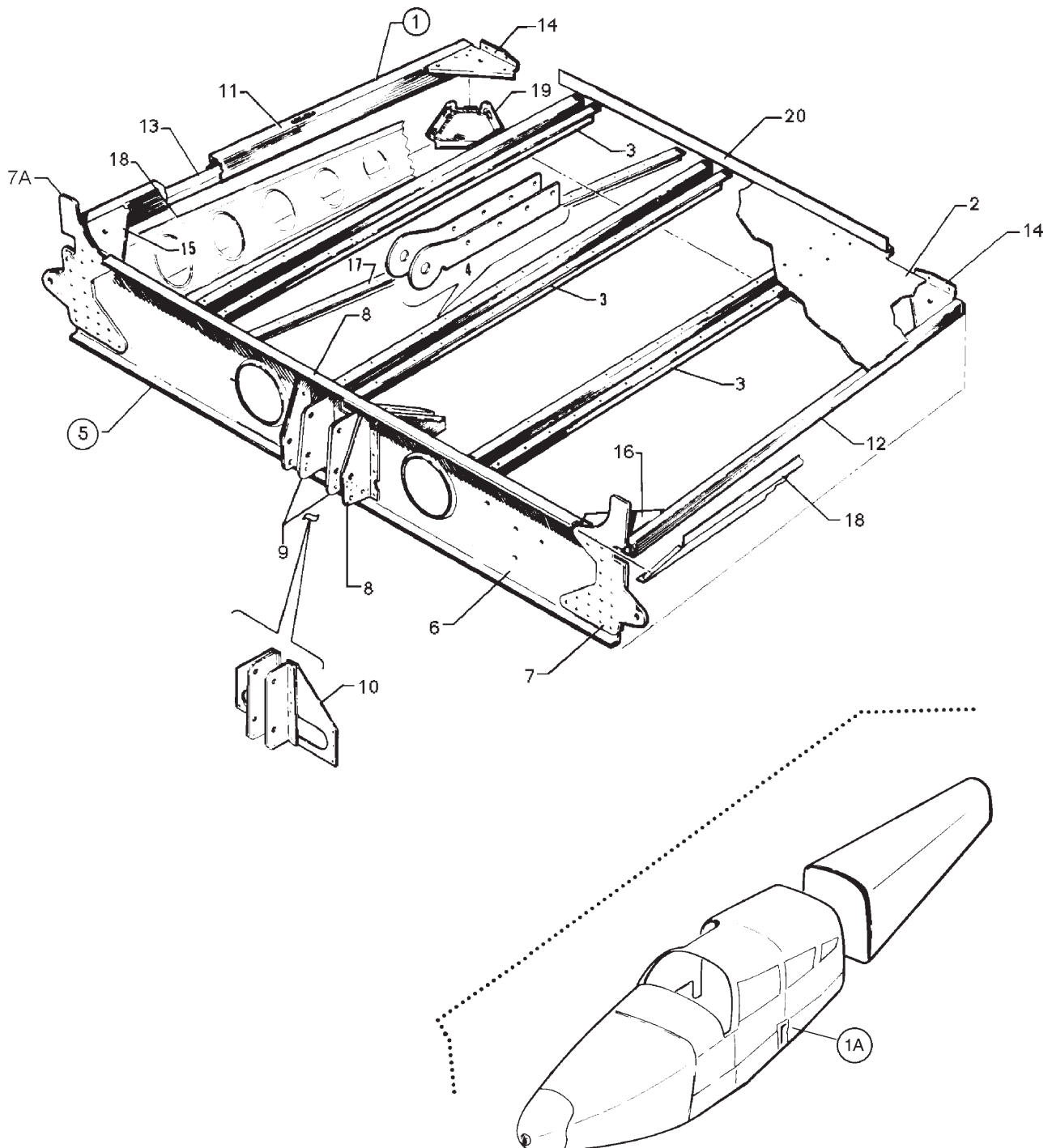


Figure 12. Fuselage Lower Aft Cockpit Assembly

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
12	86601 (DG)	DRAWING - Fuselage Assy		
1	86601-005	FUSELAGE ASSY - Upper cockpit assy, center	4496030 thru 4496173, 4496175 thru 4496223 (with Entegra)	RF
1	86601-006	FUSELAGE ASSY - Upper cockpit assy, center	4496174, 4496224 and up (with Entegra)	RF
1A	86601-004	FUSELAGE ASSY - Lower cockpit assy, aft	4496001 thru 4496029	RF
2	66795-000	. FLOOR ASSY - Baggage compartment		1
-2A	66795-002	. . FLOOR - Baggage compartment		1
-2B	62109-000	. . COVER - Wing		2
3	62531-000	. HAT - Baggage floor		3
4	99699-000	. CHANNEL - Seat belt attachment		1
5	62695-002	. FRAME ASSY - Lower, sta. 128.737	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
5	62695-005	. FRAME ASSY - Lower, sta. 128.737	4496174, 4496224 and up (with Entegra)	1
6	62411-002	. . CHANNEL - Lower cockpit		1
7	62448-000	. . FITTING - Lower cockpit, left		1
-7A	62448-001	. . FITTING - Lower cockpit, right		1
8	62563-002	. . BRACKET - Lower cockpit, left		1
-8A	62563-001	. . BRACKET - Lower cockpit, right		1
9	35142-000	. . BRACKET - Rear seat belt support, left		1
-9A	35142-001	. . BRACKET - Rear seat belt support, right		1
10	99701-000	. . DOUBLER - Seat belt attachment		1
11	66796-000	. CHANNEL - Baggage compartment, right		1
12	62537-000	. STRINGER ASSY - Left		1
13	62534-000	. CHANNEL - Right		1
14	62618-000	. BRACKET - Baggage compartment, left		1
-14A	62618-001	BRACKET - Baggage compartment, right		1
15	62619-000	. BRACKET - Baggage compartment, right		1
16	62529-000	. BRACKET - Baggage compartment, left		1
17	86721-002	. STIFFENER - Baggage compartment		1
18	65128-000	. DOUBLER - Baggage compartment, left		1
-18A	65128-001	. DOUBLER - Baggage compartment, right		1
19	65383-000	. DOUBLER ASSY - Step		1
20	62859-000	ANGLE - Lower cockpit		1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

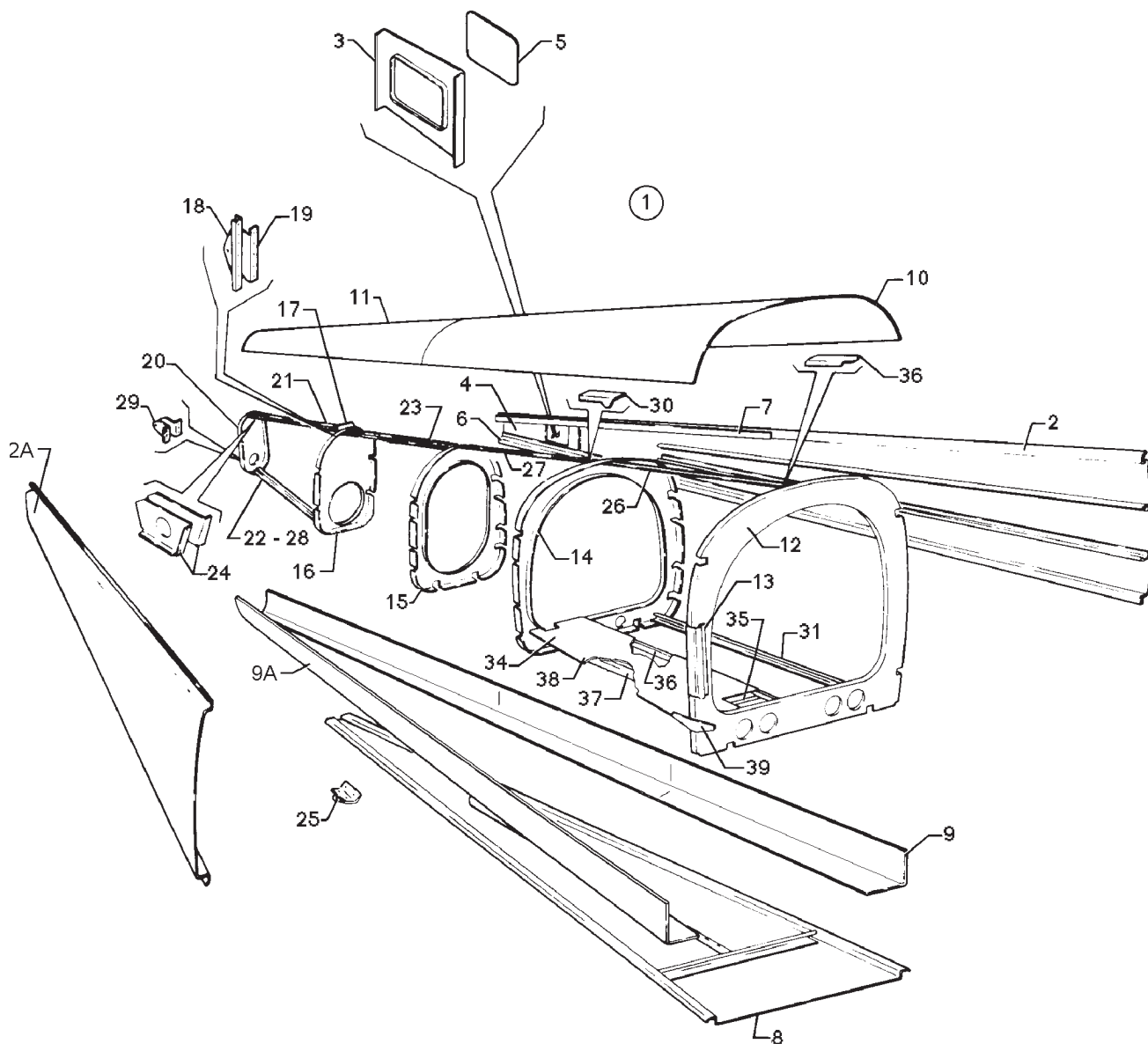


Figure 13. Fuselage Aft Section

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
13	86601 (DG)	DRAWING - Fuselage Assy		
1	86463-002	FUSELAGE ASSY - Aft section (When ordering, specify serial number of aircraft. Also, specify with or without provisions for air conditioning)	4496001 thru 4496030	1
1	86463-006	FUSELAGE ASSY - Aft section (When ordering, specify serial number of aircraft. Also, specify with or without provisions for air conditioning)	4496031 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
1	86463-008	FUSELAGE ASSY - Aft section (When ordering, specify serial number of aircraft. Also, specify with or without provisions for air conditioning)	4496174, 4496224 and up (with Entegra)	1
2	86480-002	. SKIN ASSY - Side, left		1
2A	86480-003	. SKIN ASSY - Side, right		1
3	86480-010	. . DOUBLER - Access cover		1
4	86480-006	. . DOUBLER - Skin		1
5	86480-015	. . COVER - Access		1
-5A	510-058	. . SCREW - (NAS514P832-8)		8
6	86480-012	. . ZEE - Aft fuselage skin, lower left		1
-6A	86480-011	. . ZEE - Aft fuselage skin, lower right		1
7	86480-014	. . ZEE - Aft fuselage skin, upper left		1
-7A	86480-013	. . ZEE - Aft fuselage skin, upper right		1
8	86485-002	. SKIN ASSY - Lower, center		1
9	86486-004	. SKIN - Lower side, left, forward (If part being replaced is a one piece skin, order one each of forward and aft skins)		1
9A	86486-005	. SKIN - Lower side, right, forward (If part being replaced is a one piece skin, order one each of forward and aft skins)		1
-9B	86486-006	. SKIN - Lower side, left, aft (If part being replaced is a one piece skin, order one each of forward and aft skins)		1
-9C	86486-007	. SKIN - Lower side, right, aft (If part being replaced is a one piece skin, order one each of forward and aft skins)		1
10	86488-002	. SKIN - Top center, forward		1
11	86489-002	. SKIN - Top center		1
12	65640-006	. BULKHEAD ASSY - Fuselage, sta. 156		1
-12A	411-532	. . SCREW - (MS35207-263)		2
-12B	690-609	. . WASHER - (NAS1149F0332P)		2
-12C	404-526	. . NUT - (MS21042-3)		2
13	62630-000	. . CHANNEL - Baggage door, right		1
-13A	63976-031	. . GROMMET		1
-13B	463-428	. . GROMMET - (MS21266-1N)		1
-13C	400-438	. . BOLT - (AN3-4A)		4
-13D	690-657	. . WASHER (NAS 1149D0363H)		4
14	86460-002	. BULKHEAD ASSY - Fuselage, sta. 191		1
15	86461-002	. BULKHEAD ASSY - Fuselage, sta. 219		1
16	86462-002	. BULKHEAD ASSY - Fuselage, sta. 247		1
17	86462-004	. . FITTING - Frame		1
18	86477-002	. . BRACKET - Pulley, left		1
-18A	86477-003	. . BRACKET - Pulley, right		1
19	86476-002	. . BRACKET - Pulley, left		1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
13-				
-19A	86476-003	. BRACKET - Pulley, right		1
20	86490-003	. BULKHEAD ASSY - Fuselage, sta. 274		1
21	86482-002	. HAT ASSY - Aft fuselage, top, rear		1
22	86491-002	. HAT - Aft fuselage, bottom, center		1
-22A	410-041	. SCREW - (MS24694-S55)		4
-22B	404-526	. NUT - (MS21042-3)		4
-22C	554-575	. CLAMP - Aft fuselage		2
-22D	506-525	. NUTPLATE - (MS21059L3K)		2
-22E	690-657	. WASHER - (NAS1149DO363H)		4
23	86492-003	. HAT ASSY - Aft fuselage, top, center		1
24	86493-002	. BRACKET ASSY - Stabilator bellcrank, left		1
-24A	86493-003	. BRACKET ASSY - Stabilator bellcrank, right		1
25	66769-004	. SKID ASSY - Tail		1
26	65114-000	. STRINGER - Top, sta. 156 to sta. 191		1
27	86494-002	. STRINGER - Top, sta. 191 to sta. 219		1
28	86491-003	. DOUBLER - Aft fuselage, bottom		1
29	86294-002	. BRACKET - Pulley, left		1
-29A	86294-003	. BRACKET - Pulley, right		1
30	99813-002	. DOUBLER - Antenna mount, forward	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
-30A	99805-003	. DOUBLER - Antenna mount, aft		1
31	86721-005	. STIFFENER		1
-32	DELETED			
-33	DELETED			
34	67367-000	. SHELF ASSY - Battery		1
35	62465-000	. CHANNEL - Battery shelf, front		2
36	62696-004	. CHANNEL - Battery shelf, inboard		1
37	62696-005	. CHANNEL - Battery shelf, outboard		1
38	79453-000	. WEB - Battery shelf		1
39	68991-000	. GUSSET - Aft fuselage		2

-Item not illustrated

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

**THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG**

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THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

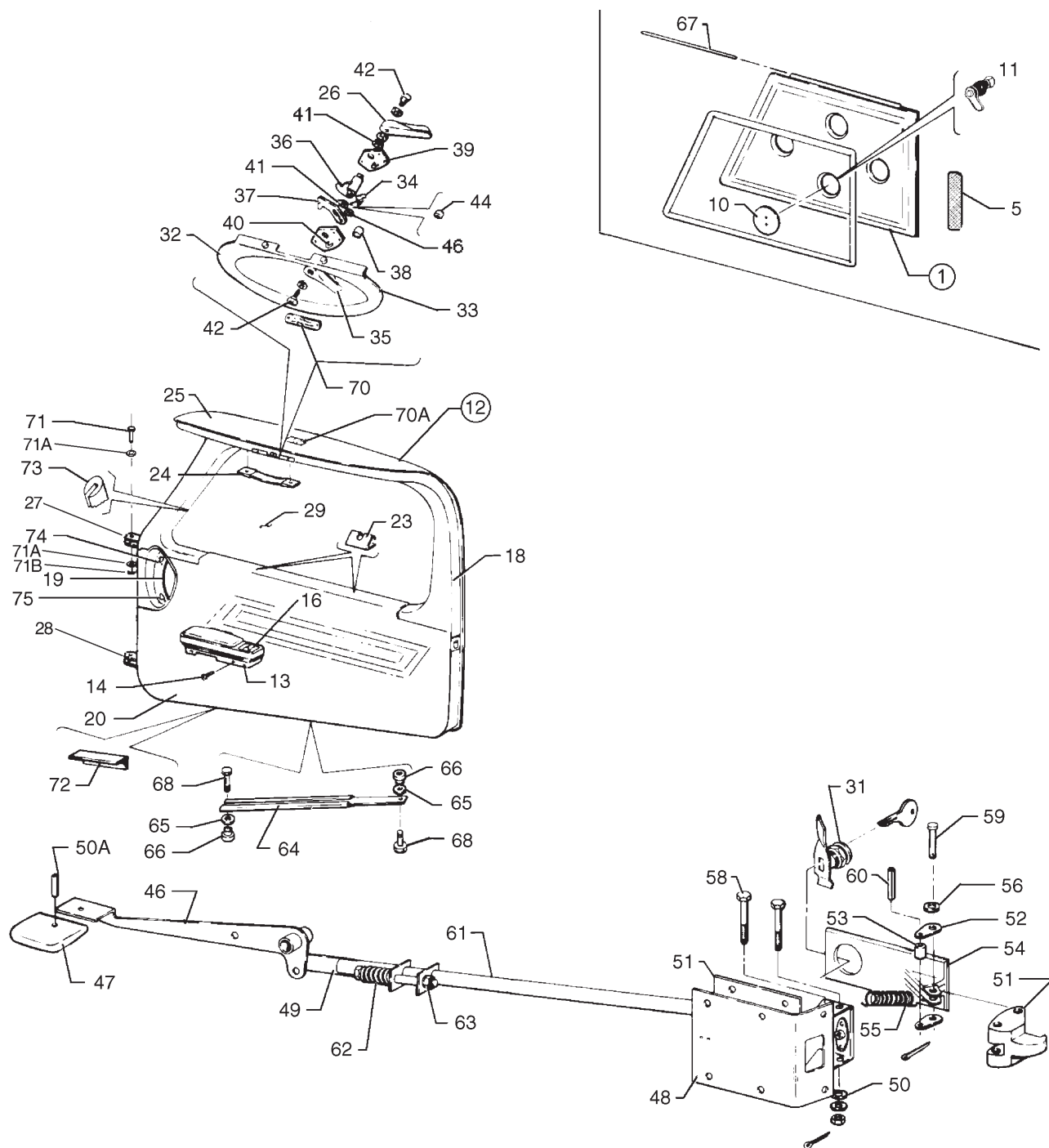


Figure 14. Fuselage Cabin and Baggage Door Installation

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
14	79546 (BA) 36722 (H) 86733 (Z)	DRAWING - Doors Installation DRAWING - Door Snubber Installation DRAWING - Window Frame Installation		
1	66793-018	DOOR ASSY - Baggage compartment (bonded) (Less lock assy)		1
-2	62657-012	. HINGE		1
-3	62657-013	. SEAL - Door, baggage		1
-3A	62657-014	. SEAL - Door, baggage		1
-3B	62657-015	. SEAL - Door, baggage		1
-3C	62657-016	. SEAL - Door, baggage		1
-4	DELETED			
5	83365-002	. STRAP ASSY - Baggage door		1
-6	415-539	. SCREW - (MS35206-249)		1
-7	690-612	. WASHER - (NAS1149F0363P)		1
-8	63900-031	. BUSHING		1
-9	687-541	. STUD		1
10	79452-000	. COVER - Lock access (5.75 dia.)		1
11	87329-008	LOCK ASSY - Baggage door (If matching door locks are desired, order kit 87329-006)	4496001 thru 4496005	1
11	100586-002	LOCK ASSY (For aircraft with optional locking gas caps use Lock Kit 100586-007)	4496006 and up	1
12	79545-003	DOOR ASSY - Complete (Less lock assy) (Complete door assy not available. Order component parts)		1
13	66710-017	. HOLDER ASSY - Armrest	4496001 thru 4496013	1
-13A	89265-002	. HOLDER ASSY - Armrest	4496014 and up	1
14	419-594	. . SCREW - (AN 530-10R36)		2
-15	415-547	. . SCREW - (MS35206-265)		2
16	763-003	. . BOX ASSY - Ash tray	4496001 thru 4496013	1
-17	411-530	. . SCREW - (MS 35206-265)		1
18	79542-002	. COVER - Cabin door, upper		1
19	79542-006	. . PAN - Door Latch (When ordering specify color)		1
20	79693-000	. PANEL ASSY - Cabin door		1
-21	99998-000	. HAT		2
-22	581-928	. PLUG - Plastic		2
23	99943-000	. RETAINER - Side panel		2
24	464-412	. HANDLE - Door Assist		1
25	79475-016	. DOOR ASSY - Cabin (less lock assy)		1
26	63039-000	. . HANDLE - Door auxiliary latch		1
27	79475-007	. . HINGE - Cabin door, upper		1
28	79475-008	. . HINGE - Cabin door, lower		1
29	79475-020	. . WINDOW - Cabin door (.080 thick) clear		1
29A	79475-058	. . WINDOW - Cabin door (.080 thick) tinted		1
29B	79475-059	. . WINDOW - Cabin door (.125 thick) clear		1
29C	79475-060	. . WINDOW - Cabin door (.125 thick) tinted		1
-30	79475-022	. . RETAINER - Window		1
31	87329-007	. . LOCK ASSY - Cabin door (if matching door locks are desired, order kit 87329-006)		1
31	100586-002	. . LOCK ASSY - Cabin door (If matching door locks are desired, order order kit 100586-007)	4496006 and up	1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
14-				
32	36598-002	.. LATCH ASSY - Door auxiliary		1
33	79475-034	... PAN - Door latch, white		1
34	63045-000	... SPRING - Door latch		1
35	63039-000	... HANDLE - Door auxiliary		1
36	63042-003	... CAM - Door latch		1
37	63036-004	... HOOK ASSY - Door latch		1
38	63900-050	... BUSHING		3
39	68179-007	... PLATE - Door latch		1
40	68179-008	... PLATE - Door latch		1
41	407-680	... WASHER - (AN 960-C816)		1
42	519-853	... SCREW - (MS 24622-043)		1
-42A	62833-107	... WASHER - Teflon		1
-43	690-640	... WASHER - (NAS 1149CO863R)		1
44	36572-003	... ROLLER - Door latch		1
45	79515-002	.. LATCH MECHANISM INSTL - Fwd Cabin Door		1
46	79515-013	... HANDLE - Cabin clear		1
47	79647-002	... KNOB - Door handle		1
48	79515-073	... COVER - Cabin door latch		1
49	79515-004	... LATCH ASSY		1
50	407-582	 WASHER - (AN 960-6L)		2
50A	486-145	 SCREW - Set (P70FS420-4C)		1
51	79515-007	 BOX ASSY - Door latch		1
52	79515-008	 LINK - Door latch mechanism		2
53	79515-015	 BUSHING - Door latch mechanism		1
54	79530-002	 HANDLE - Door latch mechanism		1
-54A	82695-123	 SLEEVE		1
55	587-381	 SPRING - (E0240-037-1750S)		1
56	690-668	 WASHER - Door latch mechanism - (NAS 1149FN432P)		4
57	79532-002	 LATCH - Cabin door		2
58	400-665	 BOLT - (AN 21-31)		2
-58A	690-640	 WASHER - (NAS 1149FN632P)		2
-58B	404-391	 NUT - (AN 320-1)		1
-58C	424-041	 COTTER PIN - (MS 24665-5)		2
59	424-148	 PIN - (MS 20392-1C23)		1
-59A	424-026	 COTTER PIN - (MS 24665-65)		1
-59B	82695-123	 SPACER		1
60	480-800	 PIN - Spring (MS 9048-111)		1
61	79515-006	 TUBE ASSY - Door latch		1
62	587-398	 SPRING - Door latch tube		1
63	404-101	 NUT - (AN 310-4)		1
-63A	424-051	 COTTER PIN - (MS 24665-132)		1
-63B	690-611	 WASHER - (NAS 1149F0463P)		3
-63C	400-113	 BOLT - (AN 4-20)		1
64	95507-005	HOLDER ASSY		1
65	62833-039	WASHER - Door holder (neoprene)		2
66	63020-002	BUSHING - Door holder		2
67	62400-002	PIN - Baggage door hinge		1
68	400-862	BOLT - (AN 23-10A)		2
-69	630-005	LOCK ASSY - 180		1
-69A	630-006	LOCK ASSY - 90		1
70	68555-005	PLACARD		1
70A	87334-002	PLACARD - Door release		RF
71	424-204	PIN - (MS 20392-3C13)		4
71A	690-613	WASHER - (NAS 1149FO432P)		1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
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14-

71B	424-051	COTTER PIN - (MS 24665-132)		2
72	36722-004	SEAL - Door snubber (150" long)		1
73	99997-000	EXTRUSION - Vinyl		1
74	69669-117	PLACARD - Open		RF
75	68669-118	PLACARD - Latch		RF

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

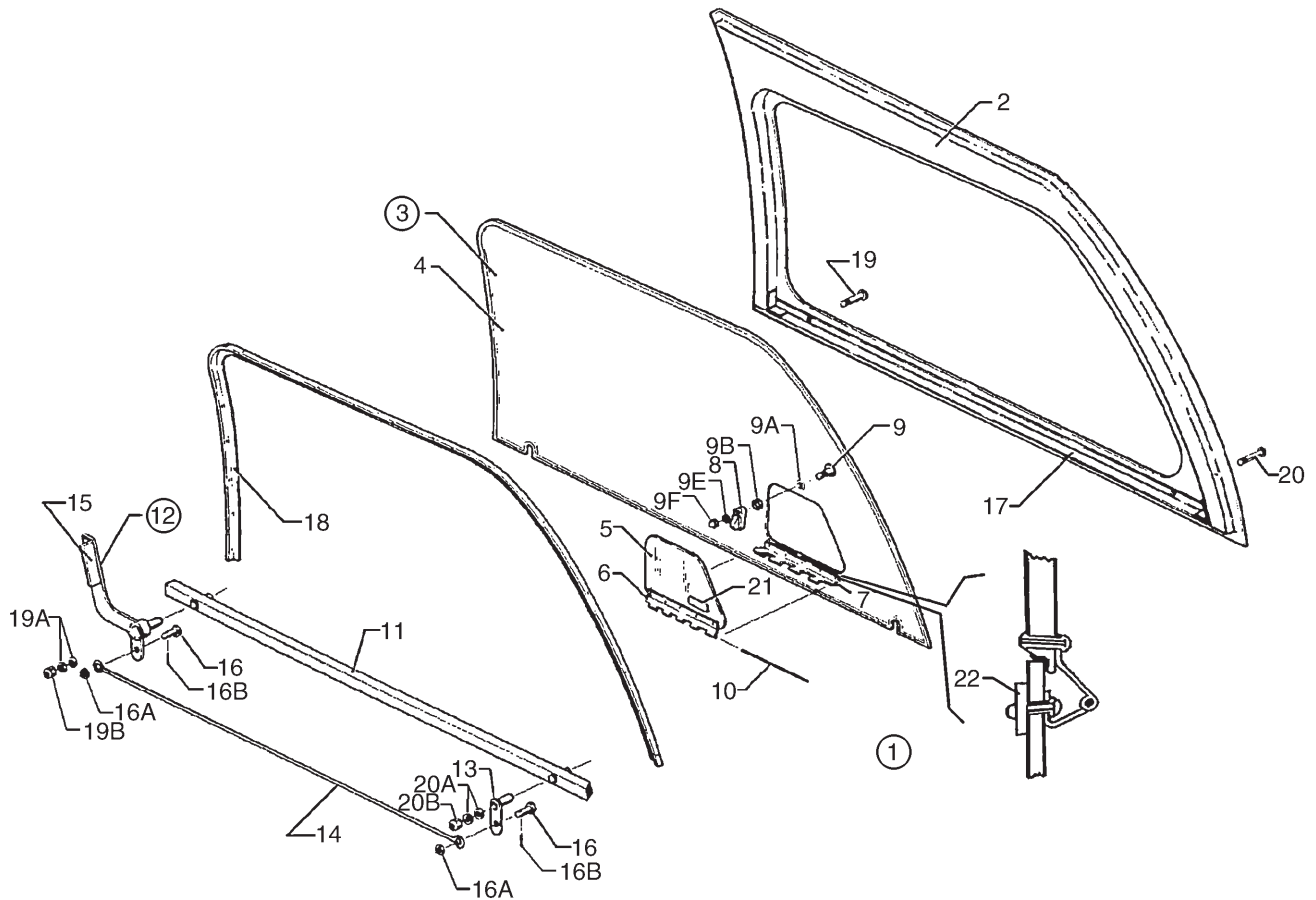


Figure 15. Fuselage Emergency Exit Door Assembly and Installation

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
15	86622 (K)	DRAWING - Emergency Exit Door Installation		
1	86602-017	DOOR ASSY - Emergency exit (When ordering, specify clear or tinted window)		1
2	86602-003	. PAN ASSY - Door		1
3	86608-003	. WINDOW ASSY - Door, tinted		1
4	86608-005	. . WINDOW - Door, tinted		1
5	65896-002	. . WINDOW ASSY - Storm, tinted		1
-5A	65740-002	. . . WINDOW - Storm		1
6	65895-000	. . . HINGE HALF		1
7	65782-000	. . HINGE HALF - Storm window		1
8	65742-000	. . LATCH - Storm window		1
9	520-016	. . SCREW - (MS24671-8)		1
9A	79572-003	. . WASHER		1
9B	79572-004	. . SEAL		2
-9C	79572-002	. . WASHER		1
-9D	408-826	. . WASHER - Shake proof		1
9E	407-041	. . WASHER - (MS35338-41)		1
9F	477-696	. . NUT - Dome		1
10	63744-009	. . PIN - Hinge		1
11	86763-002	. TUBE ASSY - Emergency door		1
12	86762-002	. LATCH ASSY - Emergency door		1
13	86762-003	. . ARM ASSY - Door latch		1
14	86762-012	. . ROD ASSY - Door latch		1
15	86762-008	. . HANDLE ASSY - Door latch		1
16	424-174	. . PIN - (MS20392-2C11)		2
16A	690-609	. . WASHER - (NAS1149F0332P)		AR
16B	424-032	. . COTTER PIN - (MS24665-170)		2
-16C	690-612	. . WASHER - (NAS1149FN363P)		AR
17	86602-014	. RETAINER - Emergency exit door, lower		1
18	86607-003	. RETAINER - Emergency exit door, upper		1
19	400-916	. BOLT - (AN24-26A)		1
19A	690-611	. WASHER - (NAS1149F0463P)		2
19B	404-530	. NUT - (MS21042-4)		1
20	400-712	. BOLT - (AN24-27)		1
20A	690-611	. WASHER - (NAS1149F0463P)		2
20B	404-393	. NUT - (AN320-4)		1
-20C	424-051	. COTTER PIN - (MS24665-132)		1
21	69669-141	PLACARD - Storm window (See Figure 77)		RF
22	65826-008	STRAP - Lower hinge		1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

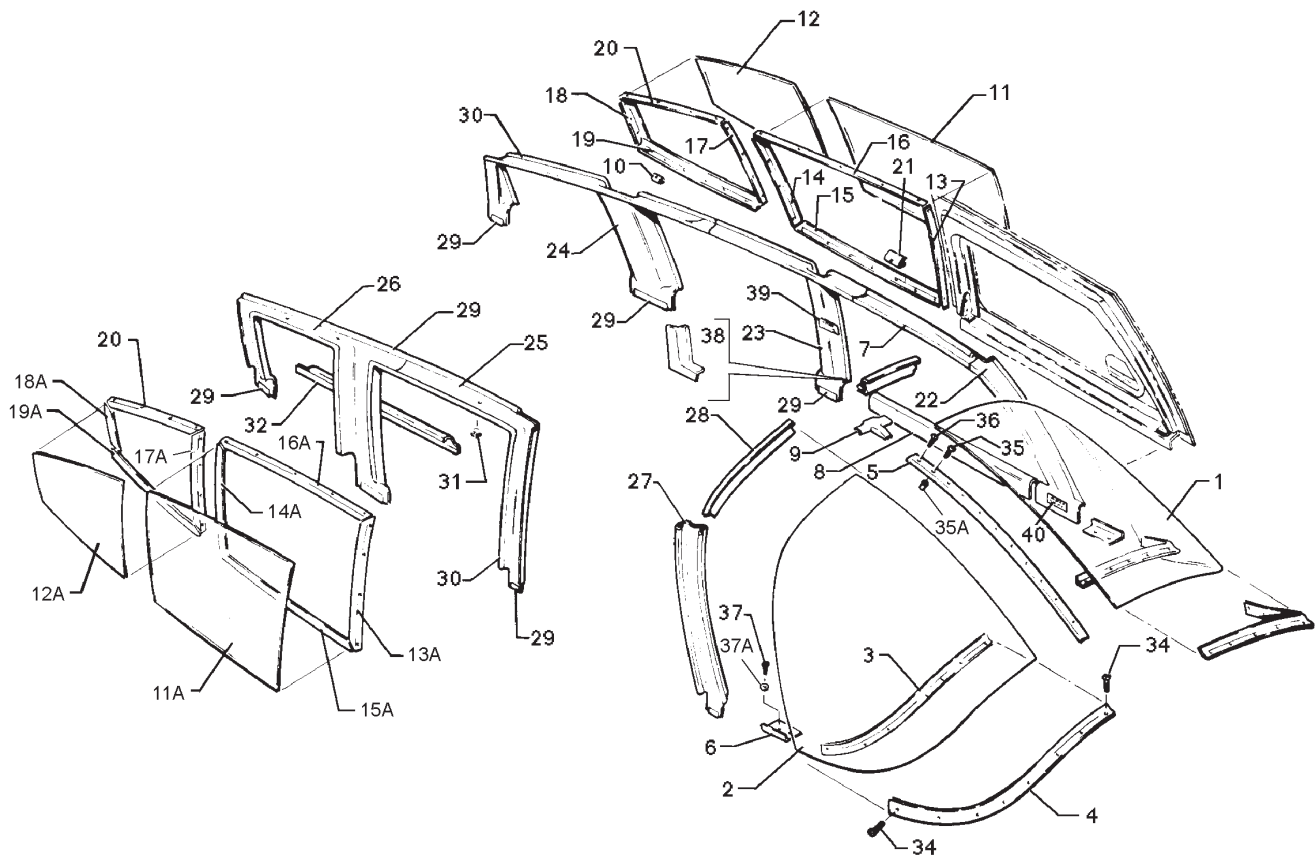


Figure 16. Fuselage Enclosure Installation

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
16	63070 (BA) 76361 (J) 86733 (Z) 79296 (W)	DRAWING - Windshield Installation DRAWING - Window Installation DRAWING - Window Frame Installation DRAWING - Sound Reduction Windshield Installation		
1	63070-045	WINDSHIELD - Left, clear	4496001 thru 4496030	1
1	63070-042	WINDSHIELD - Left, tinted	4496031 and up	1
1	79296-016	WINDSHIELD - Left, clear (sound reduction, optional)		1
1	79296-018	WINDSHIELD - Left, tinted (sound reduction, optional)		1
-1A	69891-004	RETAINER - Windshield, left (optional)		1
-1B	69891-012	RETAINER - Windshield, left (optional)		1
2	63070-046	WINDSHIELD - Right, clear	4496001 thru 4496030	1
2	63070-041	WINDSHIELD - Right, tinted	4496031 and up	1
2	79296-017	WINDSHIELD - Right, clear (sound reduction, optional)		1
2	79296-019	WINDSHIELD - Right, tinted (sound reduction, optional)		1
-2A	69891-005	RETAINER - Windshield, right (optional)		1
-2B	69891-013	RETAINER CAP		1
3	63070-043	COLLAR - Inside, left		1
-3A	63070-044	COLLAR - Inside, right		1
4	63070-011	COLLAR - Outside, left		1
-4A	63070-005	COLLAR - Outside, right		1
5	79557-000	TRIM STRIP - Windshield, center		1
6	79154-000	RETAINER - Windshield moulding, left		1
-6A	79155-000	RETAINER - Windshield moulding, right		1
-6C	69219-000	PLATE		1
7	86733-005	COVER ASSY - Window frame, front, top, left		1
8	86733-006	COVER ASSY - Window frame, front, top, lower, left		1
9	67556-004	TRIM - Windshield, white		1
10	78086-000	RETAINER - Side panel		2
11	76275-004	WINDOW - Center, left (.125 thick)		1
11A	76276-004	WINDOW - Center, right (.125 thick)		1
12	76277-004	WINDOW - Rear, left (.125 thick)		1
12A	76278-004	WINDOW - Rear, right (.125 thick)		1
13	76264-000	RETAINER - Center window, front, left		1
13A	63071-018	RETAINER - Center window, front, right		1
14	76267-000	RETAINER - Center window, rear, left		1
14A	76267-001	RETAINER - Center window, rear, right		1
15	76268-000	RETAINER - Center window, bottom, left		1
-15A	76269-000	RETAINER - Center window, bottom, right		1
16	76265-000	RETAINER - Center window, top, left		1
16A	76266-000	RETAINER - Center window, top, right		1
17	76270-000	RETAINER - Rear window, front, left		1
17A	76270-001	RETAINER - Rear window, front, right		1
18	76272-000	RETAINER - Rear window, rear, left		1
18A	76272-001	RETAINER - Rear window, rear, right		1
19	76273-000	RETAINER - Rear window, bottom, left		1
19A	76274-000	RETAINER - Rear window, bottom, right		1
20	76271-000	RETAINER - Rear window, top		2
21	99943-000	RETAINER - Side panel		6
22	86733-014	COVER ASSY - Window frame, front, left		1
-22A	86733-017	COVER ASSY		1
-22B	419-681	. SCREW		1
-22C	494-001	. WASHER		1
-22D	86733-018	. COVER		1
-22E	85210-312	. HANDLE ASSIST		1
-22F	79171-037	. TAPE - Hook		1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
16-				
-22G	79171-038	. TAPE - Loop		1
23	86733-004	COVER ASSY - Window frame, center, left		1
24	79171-010	COVER ASSY - Window frame, rear, left		1
-24A	419-681	SCREW		5
25	79171-008	COVER ASSY - Window frame, center, right		1
-25A	419-681	SCREW		4
-25B	78051-019	RETAINER	4496001 thru 4496088	1
-25C	78051-028	RETAINER		1
26	79171-009	COVER ASSY - Window frame, rear, right		1
-26A	419-678	SCREW		4
-26B	494-001	WASHER		4
27	79171-039	COVER ASSY - Windshield bow, lower, right		1
-27A	419-678	SCREW		1
-27B	494-001	WASHER		1
-27C	419-681	SCREW		1
28	63149-020	COVER - Windshield bow, upper, left		1
-28A	63149-021	COVER - Windshield bow, upper, right		1
-28B	63149-017	COVER		1
-28C	63149-016	COVER		1
-28D	419-681	SCREW		4
-28E	494-001	WASHER		4
29	78057-000	RETAINER - Window frame, extrusion (In feet)		12
30	99997-000	EXTRUSION - Vinyl (In feet)		63
31	581-928	PLUG - (207-200201-00-0103)		10
32	DELETED			
-33	419-641	SCREW - (4 x 1/2" L) Type "A" Truss		70
34	486-286	SCREW - (NAS601-8P)		26
35	415-536	SCREW - (MS35206-246)		8
35A	603-347	RIVNUT - (MS27130A13K)		8
36	415-544	SCREW - (MS35206-244)		1
37	419-681	SCREW		4
37A	494-001	WASHER		4
38	86733-006	COVER ASSY - Window frame		1
39	35669-056	PLACARD - Emergency exit door (See Figure 77)		RF
40	35669-068	PLACARD - Strobe light warning (See Figure 77)		RF

-Item not illustrated

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

SECTION III

TAIL SURFACES GROUP

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

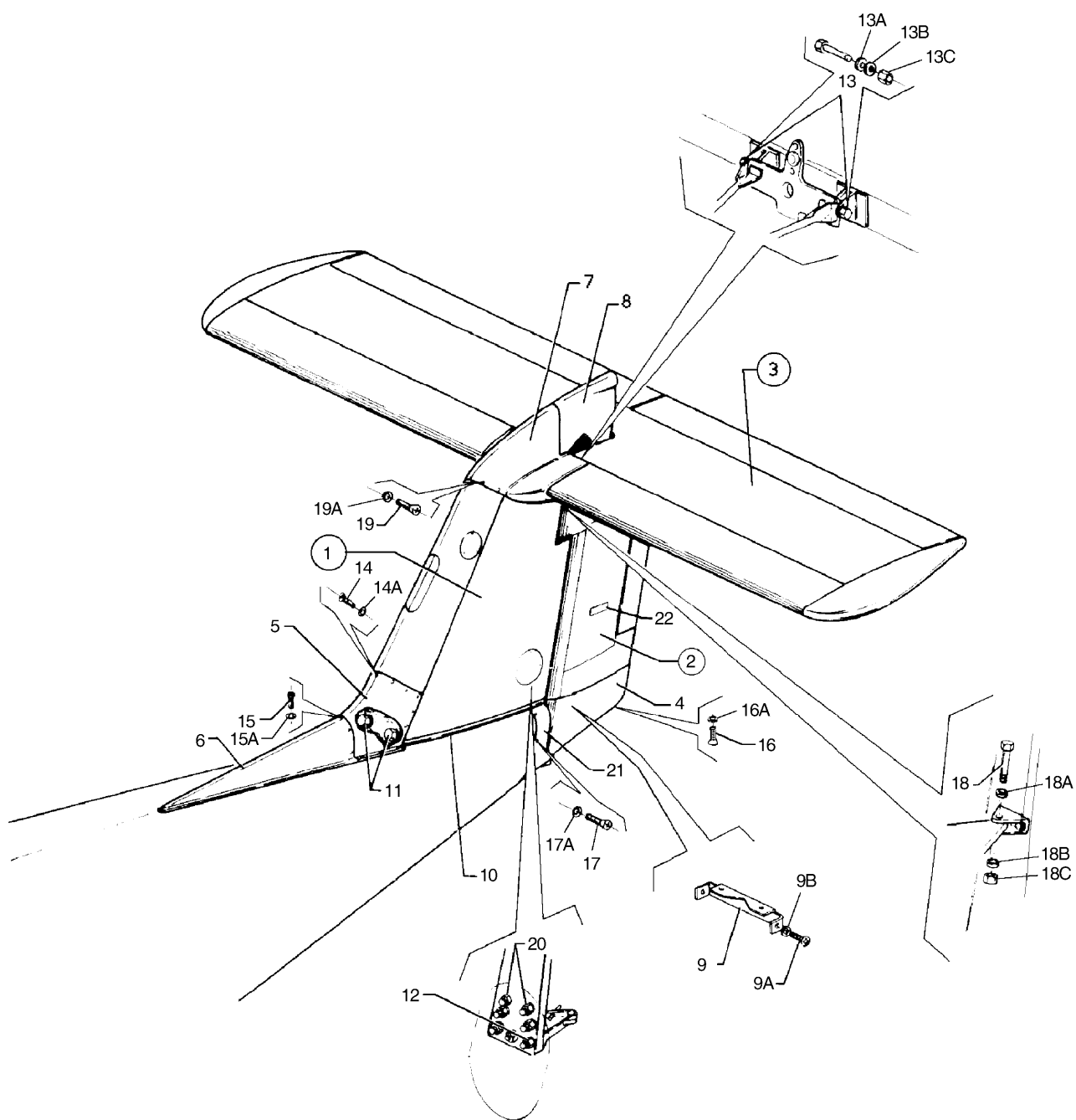


Figure 17. Tail Surfaces Installation

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
17	38400 (AJ) 86497 (AN) 86498 (R) 78913 (V)	DRAWING - Stabilator Assy and Installation DRAWING - Fin Assy and Installation DRAWING - Tail Surfaces Installation DRAWING - Dorsal Fin Assy and Installation		
1	86497-014	FIN ASSY (See Figure 18 for component parts)		1
2	86499-002	RUDDER ASSY (See Figure 19 for component parts)		1
3	38400-005	STABILATOR ASSY (See Figure 20 for component parts)	4496001 thru 4496030	1
3	38400-009	STABILATOR ASSY (See Figure 20 for component parts)	4496031 and up	1
4	86551-002	FAIRING - Rudder tip		1
5	78913-007	DORSAL FIN - Aft		1
6	78913-004	DORSAL FIN - Forward		1
7	36716-002	TIP - Fin, forward	4496001 thru 4496019 4496021 thru 4496023	1
-7A	38349-015	TIP - Fin, forward	4496020 only 4496024 and up	1
8	38349-007	. TIP - Fin, aft		1
9	86495-036	STRAP - Rudder fairing		1
9A	410-024	SCREW - (MS24693-C51)		6
9B	598-395	WASHER		6
10	65772-004	MOULDING - Fin, bottom		2
11	400-003	BOLT - (AN4-6A)		2
-11A	690-611	WASHER - (NAS1149F0463P)		2
-11B	690-613	WASHER - (NAS1149F0432P)		2
12	401-186	BOLT - (AN5-6A)		5
-12A	690-628	WASHER - (NAS1149F0563P)		5
-12B	690-619	WASHER - (NAS1149F0532P)		10
-12C	404-889	NUT - (MS20365-524C)		5
13	402-680	BOLT - (NAS1104-17)		2
13A	690-611	WASHER - (NAS1149F0463P)		AR
13B	690-613	WASHER - (NAS1149F0432P)		AR
13C	404-561	NUT - (MS21045-4)		2
14	414-779	SCREW - (MS24693-S49)		16
14A	494-101	WASHER		16
15	415-533	SCREW - (MS35206-243)		4
15A	690-618	WASHER - (NAS1149FN816P)		4
-15B	477-673	WASHER		4
16	414-783	SCREW - (MS24693-C51)		1
16A	598-395	WASHER		1
17	415-378	SCREW - (MS51957-45)		8
17A	690-650	WASHER - (NAS1149CN816R)		8
18	400-443	BOLT - (AN3-12A)		1
18A	690-609	WASHER - (NAS1149F0332P) (Any washer combination to suit best centering and operation)		AR
18B	690-612	WASHER - (NAS1149F0363P) (Any washer combination to suit best centering and operation)(under nut)		AR
18C	406-443	NUT - (NAS679A3W)		1
19	510-058	SCREW - (NAS514P832-8)		16
19A	494-101	WASHER		16

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
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17-

20	401-186	BOLT - (AN5-6A)		2
-20A	690-628	WASHER - (NAS1149F0563P)		2
-20B	690-619	WASHER - (NAS1149F0532P)		2
21	36721-002	FAIRING - Tail cone tip		1
22	87341-002	PLACARD - Do not push (See Figure 77)		RF

-Item not illustrated

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PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG**

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AIRPLANE PARTS CATALOG

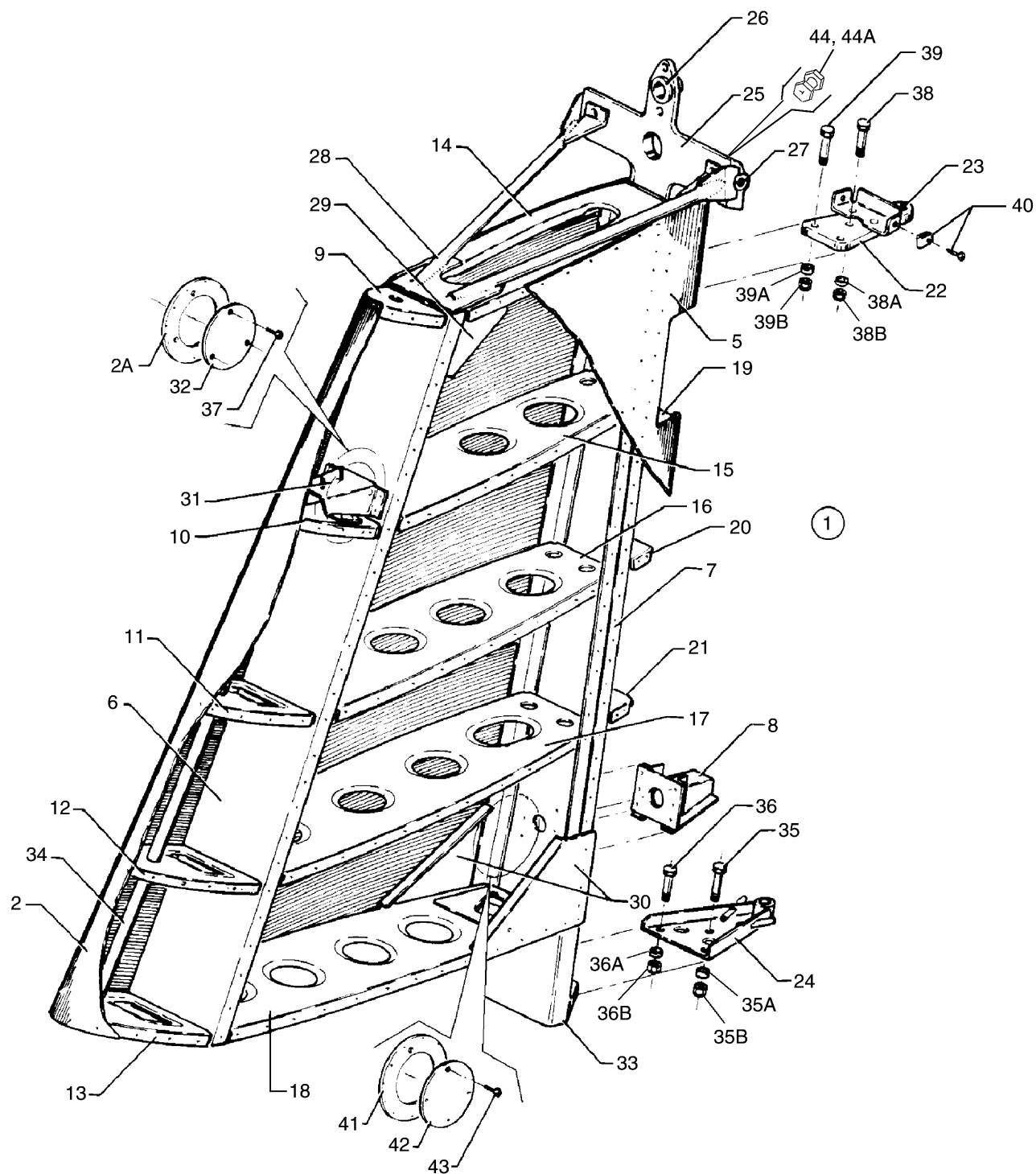


Figure 18. Fin Assembly

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
18	86497 (AN) 86284 (BN)	DRAWING - Vertical Fin Assy and Installation DRAWING - Control System Installation		
1	86497-014	FIN ASSY		1
2	78908-026	. SKIN ASSY - Leading edge fin		1
2A	38382-002	. . DOUBLER ASSY - Antenna door		1
-3	38633-003	. STIFFENER		1
-3A	38633-002	. STIFFENER		1
5	86497-008	. SKIN - Fin, left		1
-5A	86497-009	. SKIN - Fin, right		1
6	78935-028	. SPAR ASSY - Fin, front		1
7	78935-037	. SPAR ASSY - Fin, rear		1
8	78652-000	. . BRACKET ASSY - Barrel mount		1
9	38321-002	. RIB ASSY - Fin nose		1
10	38347-002	. RIB - Fin nose		1
11	78935-019	. RIB - Fin nose		1
12	78935-035	. RIB - Fin nose		1
13	78935-017	. RIB - Fin nose		1
14	38622-002	. RIB ASSY - Upper fin root		1
15	78935-031	. RIB - Fin root		1
16	78935-032	. RIB - Fin root		1
17	78935-021	. RIB - Fin root		1
18	78935-042	. RIB ASSY - Fin root, bottom		1
19	86497-004	. RIB - Fin, aft		1
20	86497-005	. RIB - Fin, aft		1
21	86497-006	. RIB - Fin, aft		1
22	86497-011	. HINGE ASSY - Top		1
23	452-387	. . BEARING		1
24	86554-002	. FITTING ASSY - Rudder attachment, lower		1
25	78927-004	. FITTING ASSY - Stabilator attachment, upper		1
26	452-627	. . BEARING		1
27	452-538	. . BEARING		2
28	35697-002	. SUPPORT ASSY - Vertical fin		1
29	38632-003	. DOUBLER		1
-29A	38632-002	. DOUBLER		1
30	78935-008	. DOUBLER - Fin, left		1
-30A	78935-009	. DOUBLER - Fin, right		1
31	38379-002	. BRACKET - Antenna mounting		1
32	38381-002	. DOOR ASSY - Antenna		1
33	86548-002	. FITTING - Vertical fin		1
34	95264-002	. CONDUIT - Fin, leading edge		1
35	400-003	. BOLT - (AN4-6A)		1
35A	690-613	. WASHER - (NAS1149F0432P)		1
35B	404-530	. NUT - (MS2104-2-4)		1
36	400-004	. BOLT - (AN4-7A)		2
36A	690-613	. WASHER - (NAS1149F0432P)		2
36B	404-530	. NUT - (MS21042-4)		2
37	415-533	. SCREW - (MS35206-243)		3
38	400-441	. BOLT - (AN3-7A)		1
38A	690-609	. WASHER - (NAS1149F0332P)		1
38B	404-526	. NUT - (MS21042-3)		1
39	401-270	. BOLT - (AN3-11A)		2
39A	690-609	. WASHER - (NAS1149F0363P)		2
39B	404-526	. NUT - (MS21042-3)		2
40	419-946	. SCREW - (6 x 3/8)		2

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
18-				
-40A	406-411	. NUT - (NAS395-7-3)		2
41	78935-046	. DOUBLER ASSY - Cover, left		1
42	78935-047	. COVER - Access, left		1
43	415-533	. SCREW - (MS35206-243)		4
44	553-368	BOLT - (NKN428 3-10)		4
44A	404-224	NUT - (AN315-3R)		4

-Item not illustrated

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

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AIRPLANE PARTS CATALOG**

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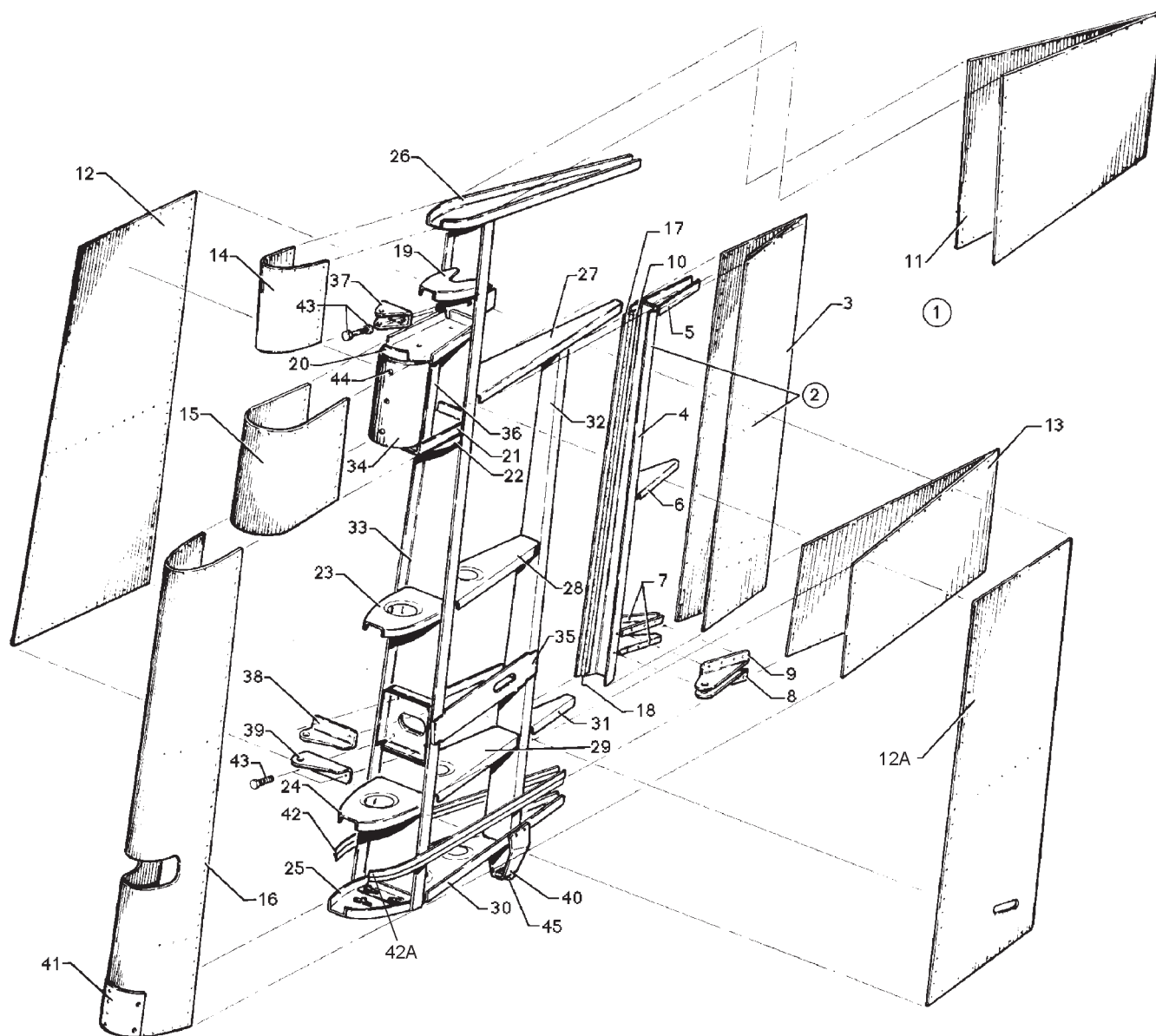


Figure 19. Rudder Assembly

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
19	86499 (AP)	DRAWING - Rudder Assy		
1	86499-002	RUDDER ASSY		1
2	86499-003	. TAB ASSY - Rudder		1
3	86499-004	. . SKIN - Rudder tab		1
4	86495-021	. . SPAR - Rudder tab		1
5	86495-017	. . RIB - Rudder tab, upper		1
6	86495-012	. . RIB - Rudder tab, center		1
7	86495-006	. . RIB - Rudder tab, bottom		2
8	86495-008	. . BRACKET - Rudder tab, bottom		1
9	86495-009	. . BRACKET - Rudder tab, top		1
10	86495-023	. . HINGE HALF - Rudder tab		1
11	86499-005	. SKIN - Rudder, top		1
12	86499-007	. SKIN - Rudder, center, left		1
12A	86499-006	. SKIN - Rudder, center, right		1
13	86499-008	. SKIN - Rudder, bottom		1
14	86499-009	. SKIN - Rudder, leading edge		1
15	86499-010	. SKIN - Rudder, leading edge		1
16	86499-011	. SKIN - Rudder, leading edge		1
17	86495-023	. HINGE HALF - Rudder		1
18	86499-012	. PIN - Hinge		1
19	86495-019	. RIB - Nose		1
20	86495-016	. RIB - Nose		1
21	86495-014	. RIB - Nose		1
22	86495-013	. RIB - Nose		1
23	86495-010	. RIB - Nose		1
24	86495-003	. RIB - Nose		1
25	86495-027	. RIB - Nose		1
26	86495-020	. RIB - Rudder root		1
27	86495-018	. RIB - Rudder root		1
28	86495-011	. RIB - Rudder root		1
29	86495-004	. RIB - Rudder root		1
30	86495-002	. RIB - Rudder root		1
31	86495-005	. RIB - Rudder, aft		1
32	86495-032	. SPAR - Rudder, rear		1
33	86495-022	. SPAR ASSY - Rudder, forward		1
34	86495-048	. WEIGHT - Rudder balance		1
35	86708-002	. RIB - Rudder root		1
36	86495-033	. CHANNEL ASSY - Rudder nose		1
37	86495-034	. BRACKET - Rudder hinge, upper		1
38	86495-043	. CLIP - Hinge, bottom		1
39	86495-042	. CLIP - Hinge, bottom		1
40	86495-035	. STRAP ASSY		1
-40A	86495-040	. . STRAP - Rudder		1
41	86495-037	. BRACKET - Rudder nose, bottom		1
42	86495-038	. BRACKET - Rudder, left		1
42A	86495-039	. BRACKET - Rudder, right		1
43	400-438	. BOLT - (AN3-4A)		6
-43A	690-609	. WASHER - (NAS1149F0332P)		6
44	410-338	. SCREW - (MS27039C1-28)		3
-44A	690-609	. WASHER - (NAS1149F0332P)		3
45	477-640	. NUT		1
-46	86499-013	. TAB		1
-47	86495-046	. CLIP		1

-Item not illustrated

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

**THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG**

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
19-				
-47A	86495-045	. CLIP		1
-48	581-760	. NAMEPLATE		1

-Item not illustrated

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

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AIRPLANE PARTS CATALOG**

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AIRPLANE PARTS CATALOG

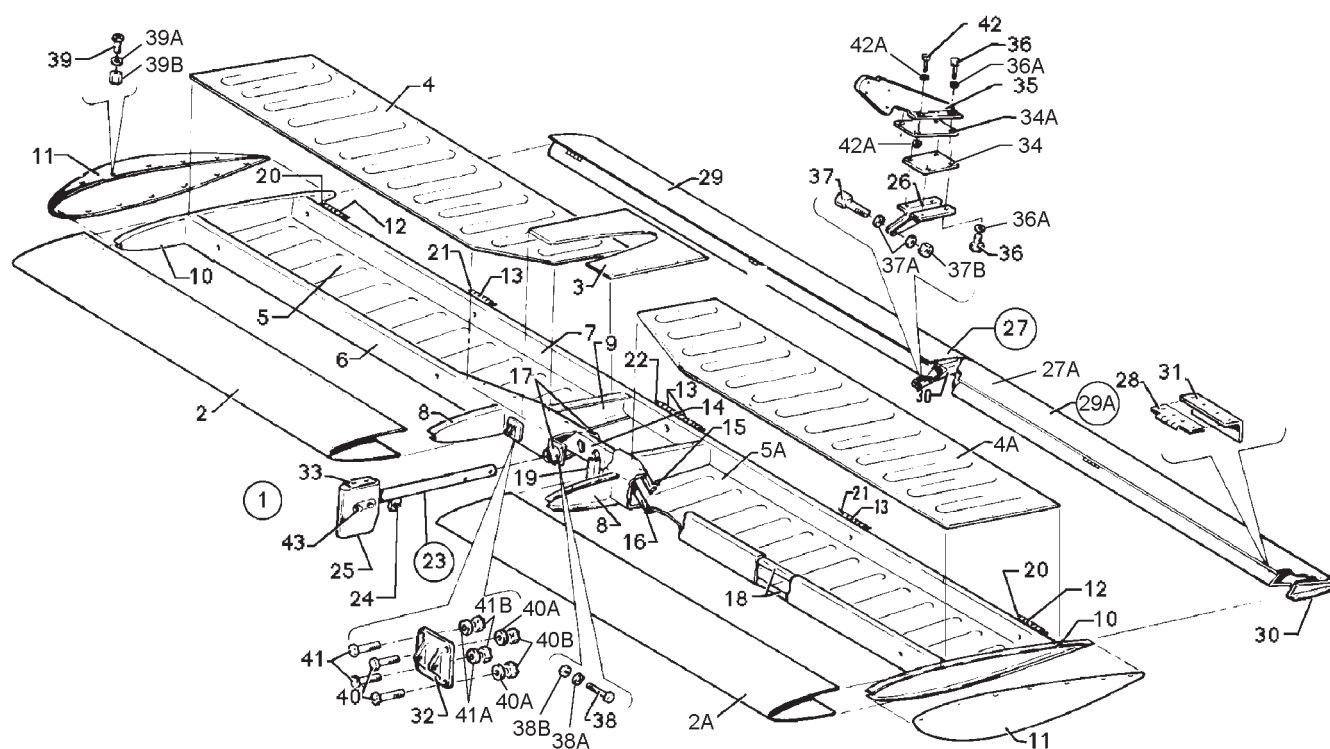


Figure 20. Stabilator Assembly

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
20	38400 (AJ)	DRAWING - Stabilator Assy and Installation		
1	38400-005	STABILATOR ASSY	4496001 thru 4496030	1
1	38400-009	STABILATOR ASSY	4496031 and up	1
2	78938-002	. SKIN - Leading edge, left		1
2A	78938-003	. SKIN - Leading edge, right		1
3	78937-002	. SKIN - Center, top		1
-3A	78937-003	. SKIN - Center, bottom		1
4	63392-000	. SKIN - Aft, top, left		1
4A	63392-001	. SKIN - Aft, top, right		1
5	63393-000	. SKIN - Aft, bottom, left		1
5A	63393-001	. SKIN - Aft, bottom, right		1
6	63561-006	. SPAR - Stabilator, main		1
7	63572-000	. SPAR - Stabilator, rear		1
8	63569-000	. RIB - Stabilator, nose		2
9	63570-000	. RIB - Stabilator, aft		2
10	63571-000	. RIB - Stabilator, outboard		2
11	63584-015	. TIP - Stabilator (interchangeable with 63584-006)		2
11	63584-006	. TIP - Stabilator (interchangeable with 63584-015)		2
12	38400-007	. HINGE - Extruded, outboard		2
13	38400-004	. HINGE - Extruded, inboard and center		4
14	63560-005	. CLOSURE ASSY		1
14A	63565-002	. . CLOSURE - Stabilator		1
15	63566-003	. STIFFENER - Stabilator, top, left		1
-15A	63566-002	. STIFFENER - Stabilator, top, right		1
16	63566-002	. STIFFENER - Stabilator, bottom, left		1
-16A	63566-003	. STIFFENER - Stabilator, bottom, right		1
17	63567-000	. FITTING - Balance weight attachment		1
18	63562-000	. CAP - Stabilator spar		2
19	63564-000	. ANGLE - Stabilator		2
20	62002-002	. PIN - Hinge, outboard		2
21	62002-003	. PIN - Hinge, center		2
22	62002-004	. PIN - Hinge, inboard		1
23	38298-003	. TUBE ASSY - Stabilator balance		1
24	452-719	. . BEARING		1
25	38556-002	. BALANCE WEIGHT ASSY	4496001 thru 4496030	1
25	38556-003	. BALANCE WEIGHT ASSY	4496031 and up	1
-25A	38606-005	. . WEIGHT - Stabilator balance		1
-25B	401-318	. . BOLT - (AN4-20A)		2
-25C	690-611	. WASHER - (NAS1149F0463P)		2
-25D	404-530	. NUT - (MS21042-4)		2
26	78967-003	. HORN - Stabilator trim tab control		1
27	38399-008	. TAB ASSY - Stabilator trim, left		1
27A	38399-009	. TAB ASSY - Stabilator trim, right		1
28	38399-004	. . HINGE - Half, stabilator tab (goes in Item 27 & 27A)		3
29	63586-002	. . SKIN - Stabilator trim tab, left (goes in Item 27 only)		1
29A	63586-003	. . SKIN - Stabilator trim tab, right (goes in Item 27A only)		1
30	63587-002	. . RIB - Outboard (goes in Item 27 & 27A)		1
-30A	63587-003	. . RIB - Inboard (part of Item 27 & 27A)		1
31	63588-003	. . DOUBLER (goes in Item 27 & 27A)		3
32	63563-003	. FITTING - Stabilator hinge		2
33	96564-000	. PLATE - Stabilator balance		AR
34	78968-002	. PLATE - Control horn tie, bottom		1
34A	38406-002	. PLATE - Control horn tie, top		1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
20-				
35	38398-005	. WEIGHT ASSY - Stabilator trim tab		1
36	400-438	. BOLT - (AN3-4A)		6
36A	690-609	. WASHER - (NAS1149F0332P)		6
37	401-269	. BOLT - (AN3-10A)		1
37A	690-612	. WASHER - (NAS1149F0363P)		2
37B	404-526	. NUT - (MS21042-3)		1
38	400-450	. BOLT - (AN3-17A)		2
38A	690-612	. WASHER - (NAS1149FN363P)		6
38B	404-526	. NUT - (MS21042-3)		2
39	410-054	. SCREW - (MS24694-C5)		24
39A	494-101	. WASHER		24
39B	404-526	. NUT - (MS21042-3)		24
40	400-003	. BOLT - (AN4-6A) Inboard		4
40A	690-611	. WASHER - (NAS1149F0463P)		8
40B	404-530	. NUT - (MS21042-4)		4
-40C	402-680	. BOLT - (NAS1104-17)		2
-40D	690-611	. WASHER - (NAS1149F0463P) (under bolt and under nut)		4
-40E	406-637	. NUT - (H10-4)		2
41	400-004	. BOLT - (AN4-7A) Outboard		4
41A	690-611	. WASHER - (NAS1149F0463P)		8
41B	404-530	. NUT - (MS21042-4)		4
42	400-438	. BOLT - (AN3-4A)		2
-42A	690-611	. WASHER - (NAS1149F0463P)		2
-42B	404-526	. NUT - (MS21042-3)		2
43	401-318	. BOLT - (AN4-20A)		2
-43A	690-611	. WASHER - (NAS1149F0463P)		2
-43B	404-530	. NUT - (MS21042-4)		2
-43C	151-300	. SAFETY WIRE - (MS20995C41)		AR
-44	63568-000	. SPAR STRIP		2
-45	581-760	. PLATE		1

-Item not illustrated

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

SECTION IV

LANDING GEAR GROUP

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

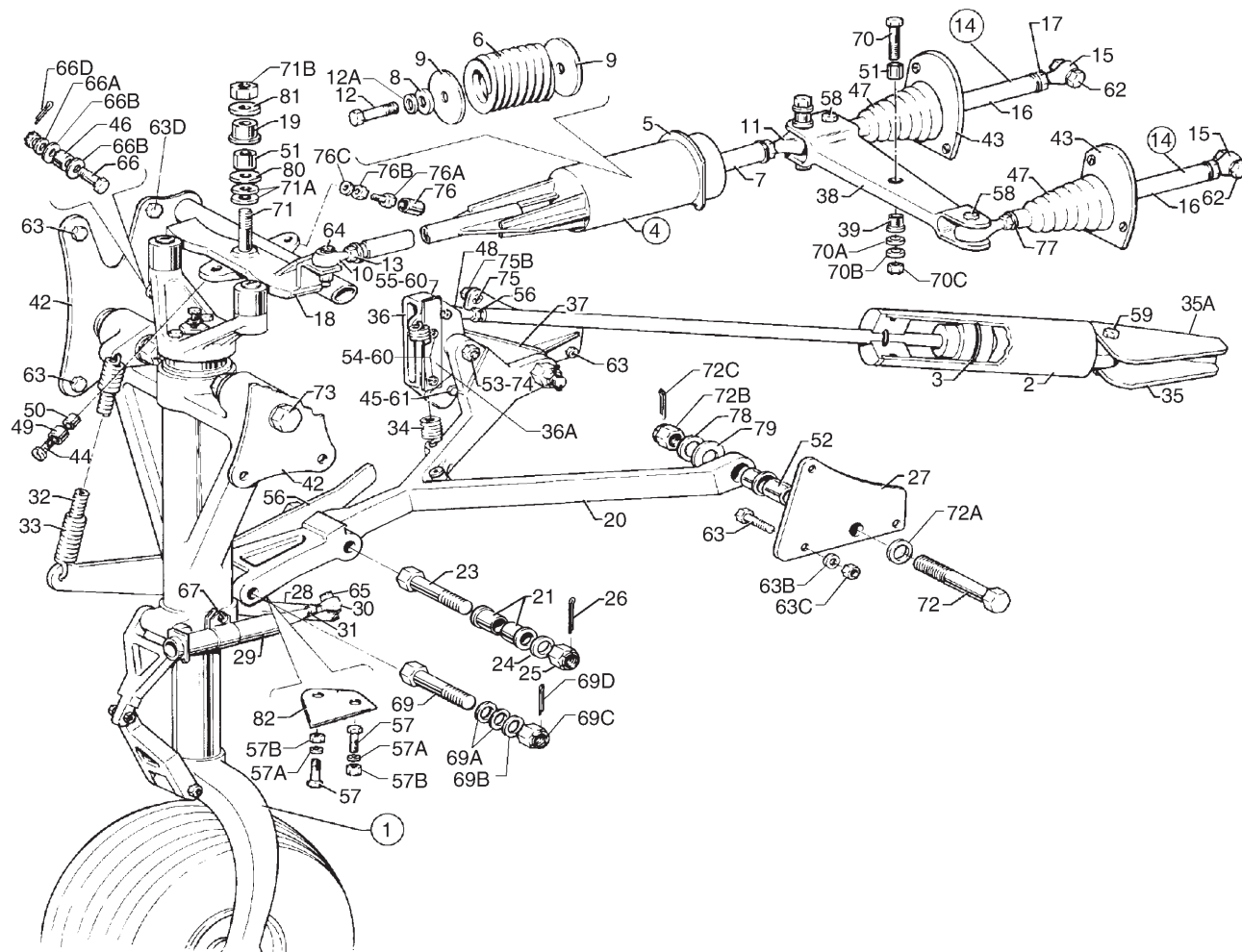


Figure 21. Nose Landing Gear Installation

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
21	86280 (AU)	DRAWING - Nose Gear Installation		
1	67100-013	GEAR ASSY - Nose (Less tire, tube and wheel assy) (See Figure 22 for component parts)		1
2	455-987	CYLINDER		1
-2A	757-831	. BEARING		1
-2B	404-531	. NUT - (MS21042-5)		1
-2C	480-429	. ROLL PIN - (MS1652-27)		1
-2D	485-109	. O-RING - (MS28775-113)		3
-2E	485-114	. O-RING - (MS28775-110)		1
-2F	762-687	. BACK UP RING - (MS28782-8)		1
3	752-648	. O-Ring - (MS28775-213)		3
4	86260-002	BUNGEE ASSY - Nose wheel		1
-4A	86260-005	. HOUSING ASSY		1
-4B	151-296	. SAFETY WIRE - (MIL-W-6713)(MS20995-C32)		AR
5	78541-000	. RETAINER		1
6	78490-000	. SPRING		1
7	86260-004	. ROD ASSY		1
8	62833-089	. WASHER		1
9	62833-092	. WASHER		2
10	452-590	. BEARING - Rod end		1
11	452-334	. BEARING - Rod end		1
12	553-172	. BOLT		1
12A	407-136	. WASHER - (AN936-A416)		1
13	404-225	. NUT - Check (AN315-4R)		2
-13A	407-136	. WASHER - (AN936-A416)		2
14	63327-024	ROD ASSY - Nose wheel control		2
15	452-334	. BEARING		2
16	63327-025	. TUBE - Rod assy		1
17	407-136	. WASHER - (AN936-A416)		2
-17A	404-225	. NUT - (AN315-4R)		2
18	86259-002	CAM ASSY - Steering		1
19	452-445	. BEARING - (FF-600-5)		1
20	86280-003	DRAG LINK ASSEMBLY - COMPLETE - Nose Gear		1
21	87319-002	. BEARING - (452-800) (Ref. Piper Service Bulletin 1156 - Latest Revision)		2
-22	DELETED			
23	402-940	. BOLT - (NAS464P4-27) (Ref. Piper Service Bulletin 1156 - Latest Revision)		1
24	407-565	. WASHER - (AN960-416) (Ref. Piper Service Bulletin 1156 - Latest Revision)		2
25	404-393	. NUT - (AN320-4) (Ref. Piper Service Bulletin 1156 - Latest Revision)		1
-26	424-052	. COTTER PIN - (MS24665-134) (Ref. Piper Service Bulletin 1156 - Latest Revision)		1
27	86282-009	NOSE GEAR SUPPORT -Right (Ref. Piper Service Bulletin 1143 - Latest Revision)		1
-27A	86282-010	NOSE GEAR SUPPORT -Left (Ref. Piper Service Bulletin 1143 - Latest Revision)		1
28	67114-000	BRACKET ASSY - Shimmy dampener		1
29	86636-002	SPRING ASSY - Nose gear centering		1
-29A	62833-074	. WASHER		2
-29B	62832-000	. CLIP		2
-29C	86637-002	. HOUSING ASSY		1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
21-				
-29D	96524-000	. SHAFT ASSY		1
-29E	65317-000	. SPRING		1
-29F	95061-182	. BUSHING		1
-29G	99836-000	. PIN		1
-29H	151-296	. SAFETY WIRE - (MIL-W-6713)(MS20995-C32)		AR
30	452-552	. BEARING		1
31	404-322	. NUT - (AN316-4R)		1
32	67168-000	SPRING - Nose gear arm assy, inner		1
33	67169-000	SPRING - Nose gear arm assy, outer		1
34	67189-000	SPRING - Nose gear downlock		1
35	38047-004	FITTING - Nose gear actuator		1
-35A	553-264	BOLT - (NAS144-14)		2
-35B	690-613	WASHER - (NAS1149F0432P)		2
-35C	404-530	NUT - (MS21042-4)		2
36	86275-004	DOWNLOCK - Nose gear		1
36A	89278-008	BRACKET - Downlock switch		1
37	86261-002	ARM - Downlock		1
38	76407-000	BELLCRANK ASSY - Nose wheel steering		1
-38A	76414-000	. EXTRUSION		1
39	452-445	. BEARING		1
-40	DELETED			
-41	DELETED			
42	86268-002	TRUNNION SUPPORT ASSY		1
43	86520-002	RETAINER - Boot		2
44	411-349	SCREW - (NM13FS428R14CR)		1
45	36766-002	BUSHING - Eccentric		1
46	452-386	BEARING - (NAS506-4)		1
47	453-158	BOOT - (F2131)		2
48	452-729	BEARING		1
49	14976-015	BUSHING - Steering cam assy, outer		1
50	14976-016	BUSHING - Steering cam assy, inner		1
51	65003-015	BUSHING - Steering cam assy		2
52	65003-045	BUSHING		2
53	95061-191	BUSHING		1
54	95061-192	BUSHING		2
55	95061-193	BUSHING		1
56	67109-000	ARM ASSY - Nose gear spring		1
57	400-441	BOLT - (AN3-7A)		2
57A	690-609	WASHER - (NAS1149F0332P)		2
57B	404-526	NUT - (MS21042-3)		2
58	401-269	BOLT - (AN3-10A)		3
-58A	690-609	WASHER - (NAS1149F0332P)		2
-58B	404-526	NUT - (MS21042-3)		2
59	402-869	BOLT - (NAS464P3-A13)		1
-59A	690-612	WASHER - (NAS1149FN363P)		5
-59B	404-526	NUT - (MS21042-3)		1
60	401-270	BOLT - (AN3-11A)		3
-60A	690-609	WASHER - (NAS1149F0332P)		3
-60B	404-526	NUT - (MS21042-3)		3
61	400-444	BOLT - (MS21042-3)		1
-61A	690-612	WASHER - (NAS1149FN363P)		1
-61B	690-609	WASHER - (NAS1149F0332P)		1
-61C	404-526	NUT - (MS21042-3)		1
-61D	406-802	NUT PLATE - (NAS696A3)		1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
21-				
62	400-446	BOLT - (AN3-16A)		2
-62A	690-612	WASHER - (NAS1149FN363P)		2
63	400-004	BOLT - (AN4-7A)		3
63A	400-003	BOLT - (AN4-6A)		9
63B	690-613	WASHER - (NAS1149F0432P)		14
63C	404-530	NUT - (MS21042-4)		14
63D	400-903	BOLT - (AN24-13A)		2
64	400-003	BOLT - (AN4-6A)		1
-64A	400-004	BOLT - (AN4-7A)		1
-64B	690-613	WASHER - (NAS1149F0432P)		1
-64C	404-530	NUT - (MS21042-4)		1
65	400-109	BOLT - (AN4-14)		1
-65A	690-611	WASHER - (NAS1149F0463P)		1
-65B	404-101	NUT - (AN310-4)		1
-65C	424-052	COTTER PIN - (MS24665-134)		1
66	400-011	BOLT - (AN4-16A)		1
66A	690-613	WASHER - (NAS1149F0432P)		1
66B	80122-020	WASHER - (.75 O.D.)		2
-66C	404-530	NUT - (MS21042-4)		1
66D	424-052	COTTER PIN - (MS24665-134)		1
67	400-110	BOLT - (AN4-15)		1
-67A	690-611	WASHER - (NAS1149F0463P)		2
-67B	690-613	WASHER - (NAS1149F0432P)		1
-67C	404-101	NUT - (AN310-4)		1
-67D	424-052	COTTER PIN - (MS24665-134)		1
68	67192-000	NUT - Cylinder rod end (Special)		1
69	400-191	BOLT - (AN5-51)		1
69A	690-628	WASHER - (NAS1149F0563P)		2
69B	690-619	WASHER - (NAS1149F0532P)		1
69C	404-102	NUT - (AN310-5)		1
69D	424-052	COTTER PIN - (MS24665-134)		1
70	401-395	BOLT - (AN6-14A)		1
70A	690-629	WASHER - (NAS1149F0663P)		1
70B	690-620	WASHER - (NAS1149F0632P)		1
70C	404-890	NUT - (MS20365-624C)		1
71	400-213	BOLT - (AN6-20)		1
71A	407-143	WASHER - (AN936B616)		2
71B	404-103	NUT - (AN310-6)		1
-71C	424-059	COTTER PIN - (MS24665-285)		1
72	400-215	BOLT - (AN6-22)		2
72A	690-620	WASHER - (NAS1149F0632P)		2
72B	404-103	NUT - (AN310-6)		2
72C	424-060	COTTER PIN - (MS24665-285)		2
73	400-267	BOLT - (AN7-26)		2
-73A	690-630	WASHER - (AN960-716)		2
-73B	690-626	WASHER - (AN960-716L)		2
-73C	404-104	NUT - (AN310-7)		2
-73D	424-060	COTTER PIN - (MS24665-285)		2
74	502-341	BOLT - (AN175-22A)		1
-74A	690-629	WASHER - (NAS1149F0563P)		1
-74B	690-619	WASHER - (NAS1149F0532P)		1
-74C	404-531	NUT - (MS21042-5)		1
75	410-068	BOLT - (MS24694-C101)		1
-75A	690-612	WASHER - (NAS1149FN363P)		2

-Item not illustrated

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

**THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG**

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
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21-

75B	404-530	NUT - (MS21042-4)		1
76	554-005	CAP - (AIR 519)		1
76A	453-199	BOLT		1
76B	407-044	WASHER - (MS35338-44)		1
76C	404-599	NUT - (AN340-416)		1
77	80122-018	WASHER		2
78	62833-043	WASHER		2
79	62833-087	WASHER - Teflon		2
80	62833-010	WASHER		1
81	80122-027	WASHER		1
82	67114-004	PLATE - Shimmy dampener bracket		1
-83	DELETED			

-Item not illustrated

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AIRPLANE PARTS CATALOG**

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AIRPLANE PARTS CATALOG

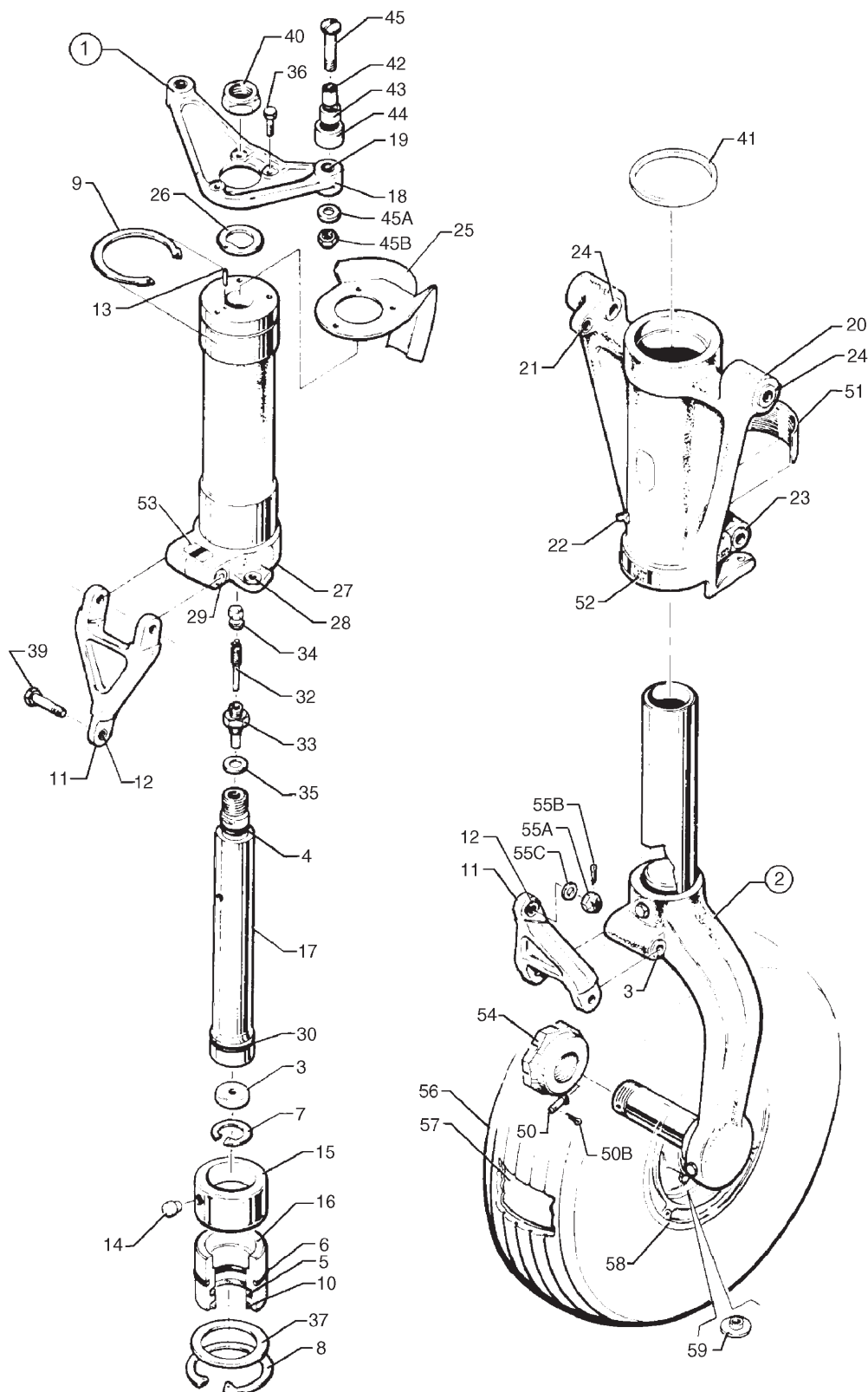


Figure 22. Nose Gear Assembly

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
22	86280 (AU)	DRAWING - Nose Landing Gear Installation		
1	67100-013	GEAR ASSY - Nose (Less tire, tube and wheel assy)		1
2	67050-002	. STRUT ASSY - Nose gear, lower		1
3	67026-007	. . BEARING		2
-3A	67099-000	. . FORK		1
-3B	589-716	. . TUBE - (67160-002)		1
-3C	38256-003	. . AXLE		1
-3D	20787-000	. . PLUG		1
-3E	484-792	. . O-RING - (MS28775-218)		1
-3F	400-019	. . BOLT - (AN4-26A)		1
-3G	406-637	. . NUT - (H10-4)		2
-3H	690-613	. . WASHER - (NAS1149F0432)		2
-3J	691-312	. . BOLT - (NAS6604-040)		1
4	484-790	. O-RING - (MS28775-210)		1
5	484-799	. O-RING - (MS28775-327)		1
6	462-034	. O-RING - (AN6230-5)		1
7	484-684	. RING - Snap (N5000-118MD)		1
8	485-193	. RING - Snap (3000X2505TZD)		1
9	484-723	. RING - Snap (5100-268)		1
10	187-627	. STRIP - Wiper (10V90-117)		1
11	20735-005	. LINK ASSY - Nose gear torque		2
-11A	20734-000	. . LINK (FORGING)		1
12	452-366	. . BEARING - (F310-5)		1
-12A	20735-006	. . LINK - (Made from 20734)		1
-12B	20734-000	. . LINK (FORGING)		1
13	480-700	. PIN - Roll (59-022-094-0375)		1
14	680-755	. PIN - (01821-006)		2
15	67909-000	. BEARING - Strut tube, upper		1
16	67755-000	. BEARING - Strut tube, lower		1
17	21712-002	. TUBE - Nose gear orifice		1
18	44386-003	. ARM ASSY - Nose wheel steering		1
19	14976-011	. . BUSHING - Arm assy		2
-19A	44386-002	. . ARM - (Make from 44385)		1
20	67054-003	. TRUNNION ASSY - Nose gear		1
21	95061-144	. . BUSHING - Trunnion assy		1
-22	460-823	. . FITTING - (MS15001-1)		1
23	67026-007	. . BEARING		2
24	67026-011	. . BEARING		4
25	67107-000	. BRACKET - Nose gear aligner guide		1
26	21710-000	. WASHER - Nose gear lock		1
27	67148-000	. TUBE ASSY - Nose gear strut, upper		1
28	21831-004	. . BEARING - Tube assy, nose gear strut		1
29	67026-007	. . BEARING		2
-29A	21694-000	. . TUBE (FORGING)		
30	484-828	. RING - Compression - (R19047)		1
-31	67245-000	. PLATE - Orifice		1
32	455-124	. CORE - Air valve (AN809-1)		1
33	453-124	. BODY - Air valve (AN812-1)		1
34	553-891	. CAP - (MS20813-1)		1
35	462-024	. GASKET - Air valve (AN901-5A)		1
36	401-265	. BOLT - (AN3-H7A)		3

-Item not illustrated

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THE NEW PIPER AIRCRAFT, INC.
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FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
22-				
37	80122-088	. WASHER - Nose gear		1
38	404-102	. NUT - (AN310-5)		2
39	402-313	. BOLT - (AN174-13)		1
-39A	404-101	. NUT - (AN310-4)		1
-39B	424-052	. PIN - Cotter (AN380-2-3)		1
40	404-840	. NUT - (MS20364-1414C)		1
41	62833-045	. SPACER		AR
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
45A	690-628	. WASHER - (NAS1149F0563P)		AR
45B	404-531	. NUT - (MS21042-5)		2
-46	DELETED			
-47	DELETED			
-48	DELETED			
-49	DELETED			
50	424-146	. PIN - (MS20392-1C19)		1
-50A	690-668	. WASHER - (NAS1149FN432P)		1
50B	424-052	. COTTER PIN - (MS24665-134)		1
51	35669-093	. PLACARD - Oleo service instructions (See Figure 77)		RF
52	35669-008	. PLACARD - Turn limit (See Figure 77)		RF
53	35669-005	. PLACARD - Turn limit center mark (See Figure 77)		RF
54	477-700	. NUT - Nose gear axle		1
-55	691-315	. BOLT - (NAS6605D46)		1
55A	404-102	. NUT - (AN310-5)		1
55B	424-053	. PIN - (MS24665-136)		1
55C	690-628	. WASHER - (NAS1149F0563P)		2
56	551-659	TIRE / TUBE - (5.00 x 5, 6 ply)		1
57	451-739	TUBE - (5.00 x 5)		1
58	551-792	WHEEL ASSY - Cleveland (See Figure 23 for component parts)		1
-58A	551-772	WHEEL ASSY - McCauley (See Figure 24 for component parts)		1
59	758-397	. Bushing		1

-Item not illustrated

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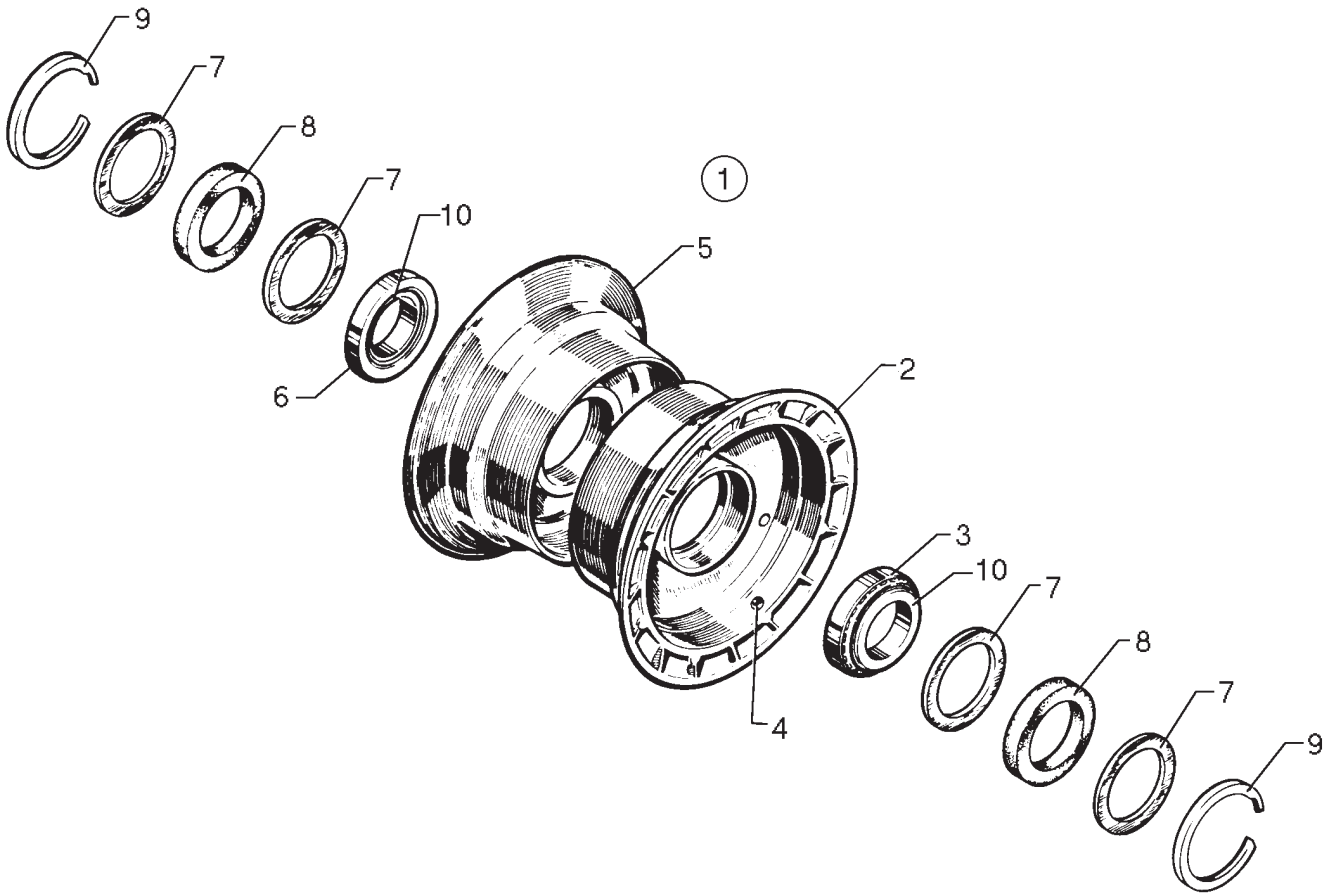


Figure 23. Nose Wheel Assembly (Cleveland)

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
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23

1	551-792	WHEEL ASSY - Nose		1
2	756-667	. WHEEL ASSY - Outer (with valve hole)		1
3	757-831	. . CUP - Bearing		1
4	755-048	. . GROMMET		1
5	756-668	. WHEEL HALF ASSY - Inner		1
6	757-831	. . CUP - Bearing		1
7	756-007	. RING - Grease seal		4
8	754-804	. FELT - Grease seal		2
9	756-008	. RING - Snap		2
10	758-733	. BEARING - Cone		2

-Item not illustrated

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AIRPLANE PARTS CATALOG

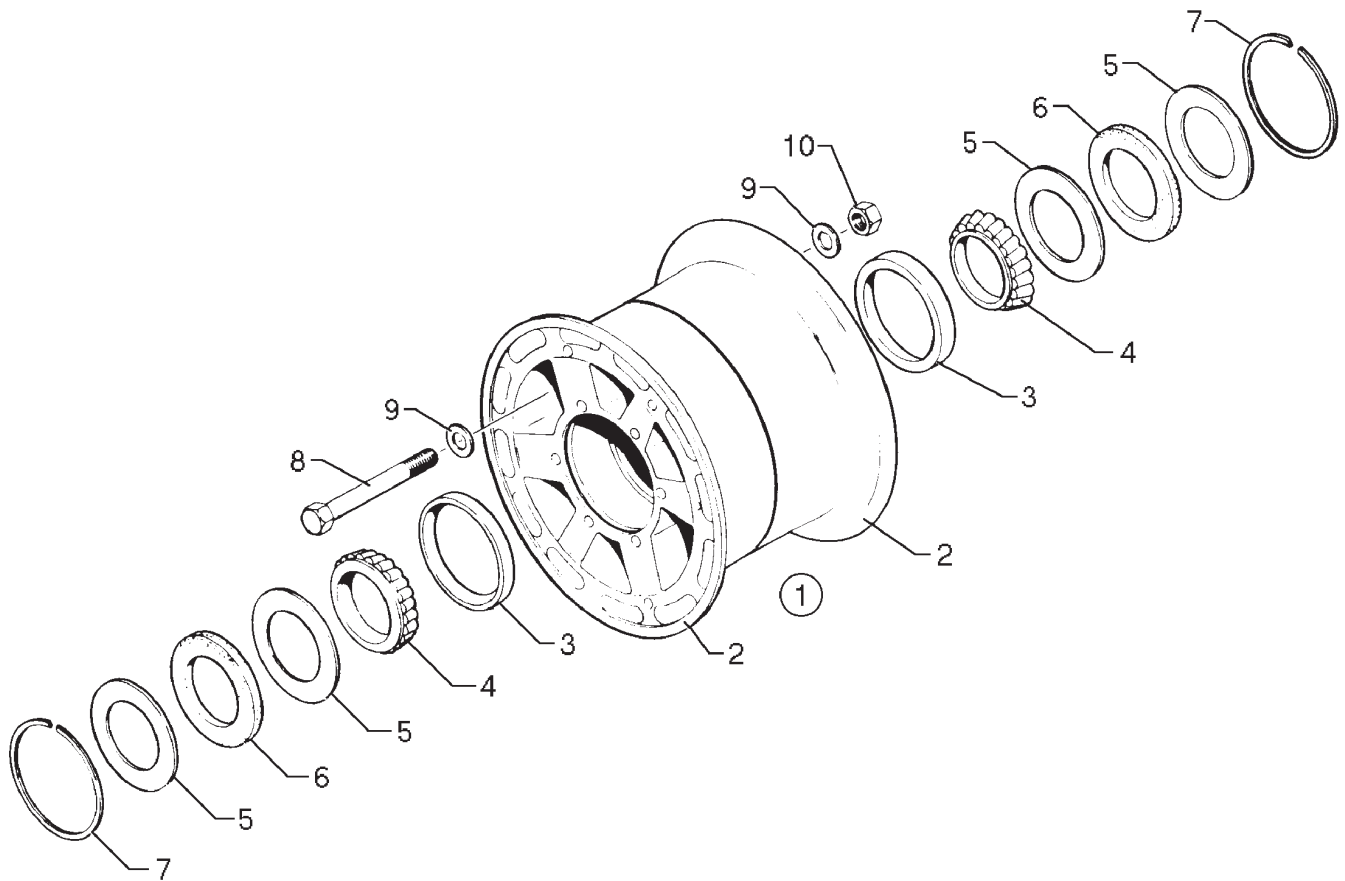


Figure 24. Nose Wheel Assembly (McCauley)

**THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG**

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
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24

1	551-772	WHEEL ASSY - Nose		1
2	756-686	. WHEEL - Half		2
3	763-215	. . CUP - Bearing		1
4	758-391	. BEARING - Cone		2
5	762-560	. RETAINER		4
6	754-856	. FELT		2
7	762-561	. RING		2
8	758-393	. BOLT		3
9	756-685	. WASHER		6
10	752-571	. NUT - (094-15100)		3

-Item not illustrated

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AIRPLANE PARTS CATALOG

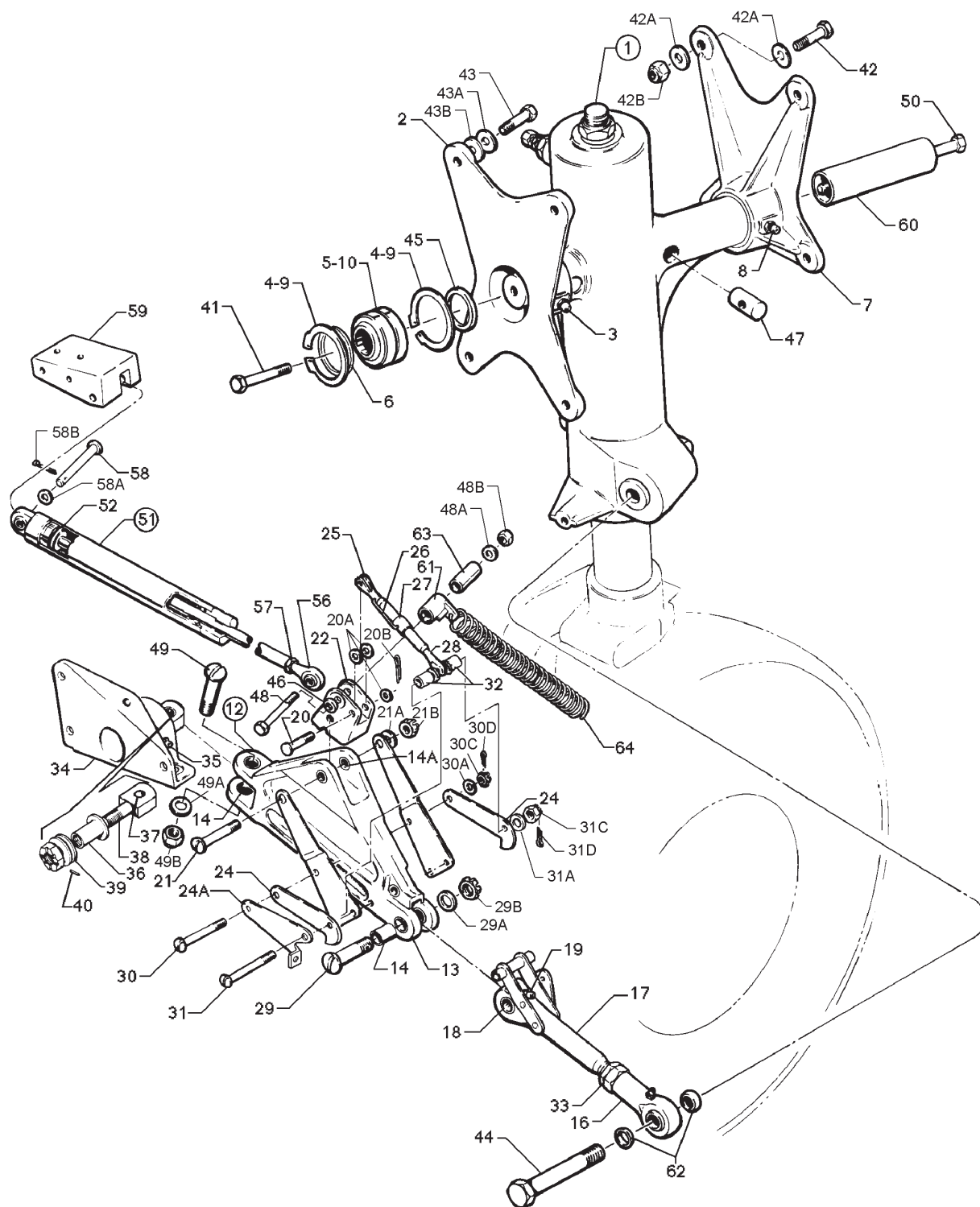


Figure 25. Main Gear Installation

THE NEW PIPER AIRCRAFT, INC.
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AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
25	78724 (AL) 86500	DRAWING - Main Gear Installation DRAWING - Wing Assembly		
1	78723-022	GEAR ASSY - Main, left (Less tire, tube, wheel and brake assy) (See Figure 26 for component parts)		1
-1A	78723-023	GEAR ASSY - Main, right (Less tire, tube, wheel and brake assy) (See Figure 26 for component parts)		1
2	67040-014	FITTING ASSY - Forward trunnion, left		1
-2A	67040-015	FITTING ASSY - Forward trunnion, right		1
-2B	67041-004	. FITTING (CASTING)		1
-2C	67040-018	. FITTING		1
-2D	67040-019	. FITTING		1
3	460-691	. FITTING - Lubricator (AN944-101)		1
4	484-719	. RING - Retainer (5008-175)		2
5	452-575	. BEARING - Spherical		1
6	62833-044	. SPACER		AR
7	67042-013	FITTING ASSY - Aft trunnion		2
-7A	67042-015	. FITTING		1
8	460-691	. FITTING - Lubricator (AN944-101)		1
9	484-719	. RING - Retainer (5008-175)		2
10	452-575	. BEARING - Spherical		1
-11	DELETED			
12	78721-011	TRUSS ASSY - Main gear, left		1
-12A	78721-012	TRUSS ASSY - Main gear, right		1
-12B	690-616	. WASHER - (NAS1149FN832P)		AR
-12C	690-618	. WASHER - (NAS1149FN816P)		AR
13	67025-011	. LINK ASSY - Main gear truss assy		1
14	14843-016	. . BUSHING - Main gear truss assy		4
14A	63900-089	. . BUSHING - Main gear truss assy		2
-15	67514-002	. . LINK		1
16	78722-002	. BEARING - Main gear truss assy		1
17	78720-007	. LINK ASSY - Main gear truss assy, left		1
-17A	78720-008	. LINK ASSY - Main gear truss assy, right		1
-17B	78720-004	. . LINK		1
-17C	67029-000	. . BRACKET ASSY		1
-17D	89279-004	. . BRACKET		1
-17E	89279-005	. . BRACKET		1
18	65003-044	. . BUSHING - Main gear truss assy		2
19	460-690	. . FITTING - Lubricator (MS15002-3)		1
20	424-181	. PIN - Flat head (MS20392-2C25)		1
20A	690-609	. WASHER - (NAS1149F0332P)		3
20B	424-051	. COTTER PIN - (MS24665-132)		1
21	400-711	. BOLT - (AN24-26)		1
21A	690-611	. WASHER - (NAS1149F0463P)		1
21B	404-393	. NUT - (AN320-4)		1
-21C	424-051	. COTTER PIN - (MS24665-132)		1
22	67031-002	. FITTING - Gear retraction, left		1
-22A	67031-003	. FITTING - Gear retraction, right		1
-23	DELETED			
24	67028-000	. HOOK - Main gear truss assy		2
24A	89279-002	. BRACKET - Down lock switch, left		1
-24B	89279-003	. BRACKET - Down lock switch, right		1
25	461-131	. FORK - (NAS645-16RS)		1

-Item not illustrated

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AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
25-				
26	554-979	. CLIP - Turnbuckle (MS21256-1)		1
27	452-009	. BARREL - Turnbuckle (NAS649B-16S)		1
28	459-957	. EYE - Turnbuckle (NAS648-16LS)		1
29	402-927	. BOLT - (NAS464-6-16)		1
29A	690-620	. WASHER - (NAS1149F0632P)		1
29B	404-395	. NUT - (AN320-6)		1
-29C	424-059	. COTTER PIN - (MS24665-283)		1
30	400-691	. BOLT - (AN23-29)		1
30A	690-612	. WASHER - (NAS1149FN363P)		2
-30B	690-609	. WASHER - (NAS1149F0332P)		AR
30C	404-100	. NUT - (AN310-3)		1
30D	424-051	. COTTER PIN - (MS24665-132)		1
31	400-691	. BOLT - (AN23-29)		1
31A	690-612	. WASHER - (NAS1149FN363P)		2
-31B	690-609	. WASHER - (NAS1149F0332P)		1
31C	404-100	. NUT - (AN310-3)		1
31D	424-051	. COTTER PIN - (MS24665-132)		1
-31E	690-612	. WASHER - (NAS1149FN363P)		4
32	63900-130	. BUSHING - Main gear truss assy		2
33	404-317	. NUT - Check (AN316-10R)		1
34	95643-008	BRACKET ASSY - Main gear truss, left (SEE NOTE 1)		1
-34A	95643-009	BRACKET ASSY - Main gear truss, right (SEE NOTE 1)		1
35	460-801	. FITTING - Lubricator (MS15001-4)		1
36	67026-012	. BUSHING - Bracket (1.23" L.)		1
37	65003-041	. BUSHING		1
38	78717-002	. STUD - Main gear side brace		1
39	62833-109	. WASHER - (.062 thick)		AR
-39A	62833-112	. WASHER - (.025 thick)		AR
-39B	404-399	. NUT - (AN320-10)		1
40	680-792	. ROLL PIN - (MS16562-37)		1
-40A	95642-006	. BRACKET		1
-40B	95642-007	. BRACKET		1
41	400-012	BOLT - (AN4-17A)		2
-41A	62833-124	WASHER		2
42	401-188	BOLT - (AN5-11A)		8
42A	690-628	WASHER - (NAS1149F0563P) (under head)		4
42B	404-531	NUT - (MS21042-5)		4
42C	690-628	WASHER - (NAS1149F0563P) (under nut)		AR
43	401-188	BOLT- (AN5-10A)		8
43A	690-628	WASHER - (NAS1149F0563P)		AR
43B	690-619	WASHER - (NAS1149F0532P)		8
-43C	404-531	NUT - (MS21042-5)		8
44	402-974	BOLT - (NAS464P9A-46)		2
-44A	690-632	WASHER - (NAS1149F0963P)		2
-44B	405-160	NUT - (MS21083-N9)		2
45	67198-000	WASHER - Main gear		2
46	95061-064	BUSHING		2
47	406-660	NUT - Barrel (1452-048)		4
48	400-451	BOLT - (AN3-20A)		2
48A	690-612	WASHER - (NAS1149FN363P)		4
48B	404-526	NUT - (MS21042-3)		2
49	402-921	BOLT - (NAS464P6-20)		2

-Item not illustrated

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PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
25-				
49A	690-629	WASHER - (NAS1149F0663P)		2
49B	404-395	NUT - (AN320-6)		2
-49C	424-059	COTTER PIN - (MS24665-283)		2
50	401-335	BOLT - (AN4-40A)		2
51	96860-003	CYLINDER ASSY - Hydraulic (Reference Piper Service Bulletin #1023 - latest revision)		2
52	652-363	KIT - Actuator seal replacement		1
-53	DELETED			
-54	DELETED			
-55	DELETED			
56	452-334	BEARING		2
57	404-225	NUT - (AN315-4R)		2
58	424-187	PIN - (MS20392-2C37)		2
58A	690-612	WASHER - (NAS1149FN363P)		2
58B	424-052	COTTER PIN - (MS24665-134)		2
59	67071-000	BRACKET - Main gear cylinder, left (See Figure 4-45)		RF
-59A	67071-001	BRACKET - Main gear cylinder, right (See Figure 4-45)		RF
60	67502-000	RETAINER ASSY - Main gear		2
61	67202-000	SWIVEL ASSY - Side brace spring attachment		2
62	78716-002	BUSHING - Tapered, truss assy		4
63	63900-085	BUSHING - Spring attachment		2
64	67203-000	SPRING - Main gear downlock		2
-65	690-611	WASHER - wheel alignment correction (NAS1149F0463P)		AR
-66	690-613	WASHER - wheel alignment correction (NAS1149F0432P)		AR
-67	486-291	SCREW - (NAS517-4-9)		2
-67A	690-611	WASHER - (NAS1149F0463P)		2
-67B	404-530	NUT - (MS21042-4)		2
-67C	402-899	BOLT - (NAS464P5LA-9)		3
-67D	690-628	WASHER (UNDER NUT) (3 MAX) - (NAS1149F0563P)		AR
-67E	404-531	NUT - (MS21042-5)		3

NOTES:

1. SEE ITEMS -67 THRU -67E FOR HARDWARE USED TO ATTACH BRACKET TO MAIN SPAR.

-Item not illustrated

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THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

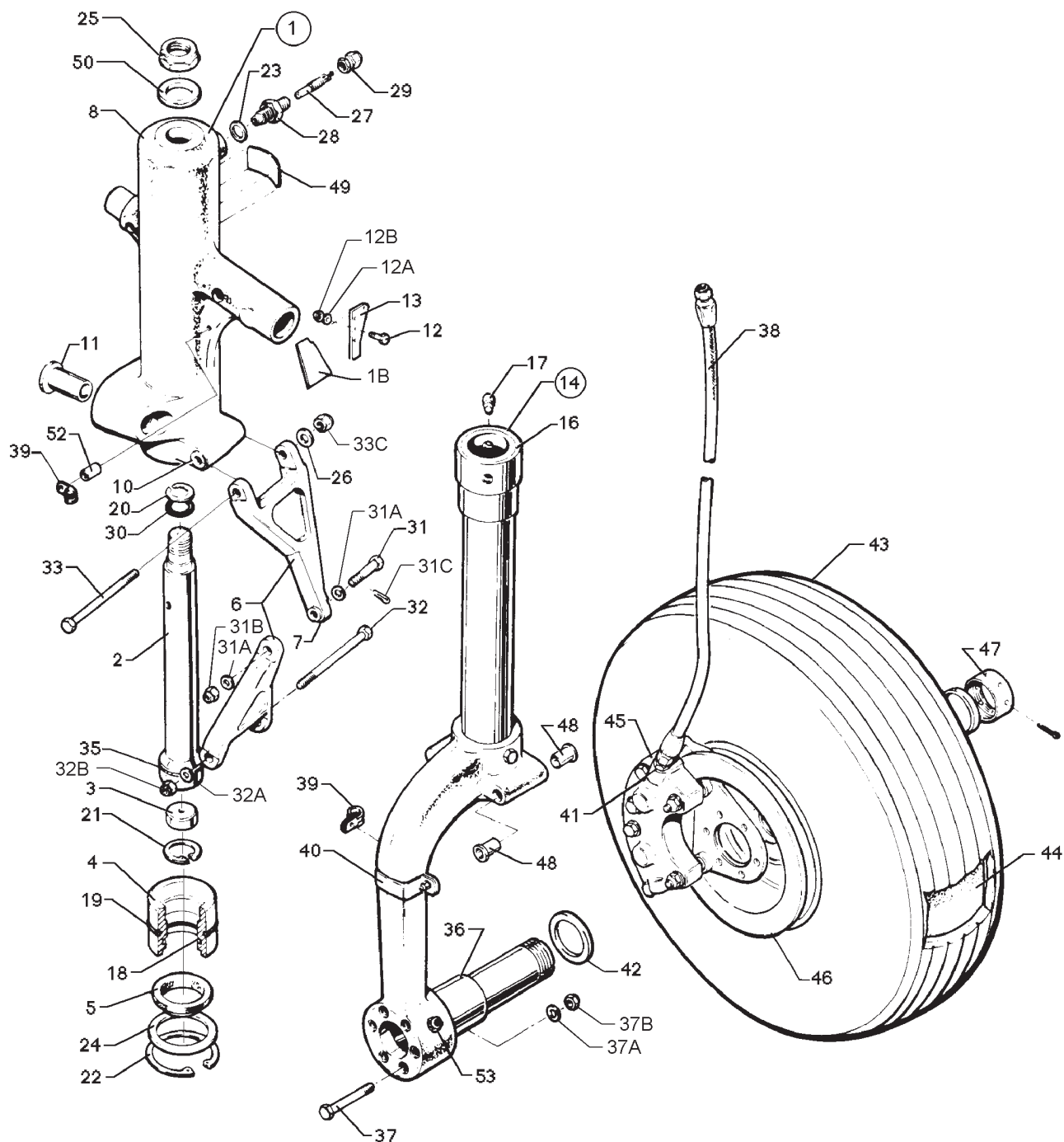


Figure 26. Main Gear Assembly

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
26	78724 (AL)	DRAWING - Main Gear Installation		
1	78723-022	GEAR ASSY - Main, left (Less tire, tube, wheel and brake assy)		1
-1A	78723-023	GEAR ASSY - Main, right (Less tire, tube, wheel and brake assy)		1
-1B	89278-002	. BRACKET - Squat and stall warning prevention switches, right		1
-1C	89278-003	. BRACKET		1
-1D	89278-004	. BRACKET		1
-1E	89278-005	. BRACKET		1
2	20754-002	. ORIFICE - Main gear		1
3	79800-003	. PLATE - Orifice		1
4	67755-000	. BEARING - Main gear		1
5	187-627	. STRIP - Wiper (10V90-117)		1
6	67012-000	. LINK ASSY - Main gear torque		2
6	105041-002	. LINK ASSY - Main gear torque		2
7	31796-000	. . BUSHING		1
-7A	67012-002	. . LINK (for 67012-000 link assy)		1
-7A	105041-003	. . LINK (for 105041-002 link assy)		1
8	67926-036	. TRUNNION ASSY - Main gear, left	4496162 and up	1
-8A	67926-037	. TRUNNION ASSY - Main gear, right	4496162 and up	1
-8B	67926-026	. TRUNNION ASSY - Main gear, left	4496001 thru 4496161	1
-8C	67926-027	. TRUNNION ASSY - Main gear, right	4496001 thru 4496161	1
-8D	67926-038	. . TRUNNION - Left		1
-8E	67926-039	. . TRUNNION - Right		1
-9	DELETED			
10	67026-007	. . BUSHING - Trunnion assy		2
11	67026-018	. . BUSHING - Trunnion assy	4496162 and up	1
-11A	67026-010	. . BUSHING - Trunnion assy	4496001 thru 4496161	1
12	401-266	. BOLT - (AN3-5A)		2
12A	690-609	. WASHER - (NAS1149F0332P)		2
12B	404-526	. NUT - (MS21042-3)		2
13	67753-000	. PLATE - Attachment		1
14	67037-004	. STRUT ASSY - Main gear		2
-15	67183-000	. . AXLE ASSY		1
-15A	67038-000	. . FORK		1
-15B	20787-000	. . PLUG		1
-15C	95701-002	. . TUBE		1
-15D	484-792	. . O-RING - (MS28775-21B)		1
16	67036-000	. . BEARING - Main strut, upper		1
17	20784-000	. . PIN - Main strut		2
18	484-799	. O-RING - (MS28775-327)		1
19	462-034	. O-RING - (AN6230-5)		1
20	484-714	. RING - Retainer (MS28782-15)		1
21	484-684	. RING - Snap (N5000-118MD)		1
22	485-193	. RING - Snap (3000X250STZD)		1
23	462-024	. GASKET - Air valve (AN901-5A)		1
24	80122-088	. WASHER - Main gear		1
25	404-843	. NUT - (MS20364-1216C)		1
26	494-114	. WASHER - Left (96312)		1
27	455-124	. CORE - Air valve (AN809-1)		1
28	453-124	. BODY - Air valve (AN812-1)		1
29	454-053	. CAP - Air valve (AN813-1B)		1
30	484-790	. O-RING - (MS28775-210)		1

-Item not illustrated

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THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
26-				
31	402-312	. BOLT - (AN174-14)		1
31A	690-611	. WASHER - (NAS1149F0463P)		4
31B	404-101	. NUT - (AN310-4)		1
31C	424-052	. COTTER PIN - (MS24665-134)		1
32	402-344	. BOLT - (AN175-32)		1
32A	690-619	. WASHER - (NAS1149F0532P)		1
32B	404-102	. NUT - (AN310-5)		1
-32C	424-052	. COTTER PIN - (MS24665-134)		1
33	402-345	. BOLT - Left (AN175-33)		1
-33A	402-344	. BOLT - Right (AN175-32)		1
-33B	690-628	. WASHER - Right (NAS1149F0563P)		1
33C	404-102	. NUT - (AN310-5)		1
-33D	424-052	. COTTER PIN - (MS24665-134)		1
-34	DELETED			
35	484-828	. RING - Standard perfect circle (R19047)		1
36	63900-103	. BUSHING - Main gear		2
37	401-320	. BOLT - (AN4-C20A)		12
37A	407-675	. WASHER - (AN960-C416)		12
37B	404-530	. NUT - (MS21042-4)		12
38	63901-017	. HOSE ASSY - Brake line		2
39	554-734	. CLAMP		4
40	67277-000	. CLAMP		2
41	476-648	. NIPPLE - (AN816-4D)		2
42	63484-000	. BUSHING - Main gear		2
43	451-747	. TIRE - (6.00 x 6, 8 ply) McCreary Airhawk (Used if heavy duty brakes, wheels, and tires are installed)		2
-43A	551-609	. TIRE		2
44	451-735	. TUBE - (6.00 x 6)		2
45	551-706	. BRAKE ASSY - Main (See Figure 28 for component parts)		2
-45A	551-725	. BRAKE ASSY - Main (heavy duty) (See Figure 28 for component parts. Used if heavy duty brakes, wheels and tires are installed)		2
46	551-765	. WHEEL ASSY - Main (See Figure 27 for component parts)		2
-46A	551-770	. WHEEL ASSY - Main (heavy duty) (See Figure 27 for component parts. Used if heavy duty brakes, wheels and tires are installed)		2
47	63900-115	. BUSHING - Main gear axle		1
48	67026-007	. BEARING - Strut		4
49	35669-092	. PLACARD - Oleo service instructions (See Figure 77 for component parts)		RF
50	80122-089	. WASHER - Main gear		1
-51	DELETED			
52	63900-011	. BUSHING - Main gear		2
53	401-329	. BOLT - (AN4-31A)		2
-53A	690-613	. WASHER - (NAS1149F0432P)		2
-53B	404-530	. NUT - (MS21042-4)		2

-Item not illustrated

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

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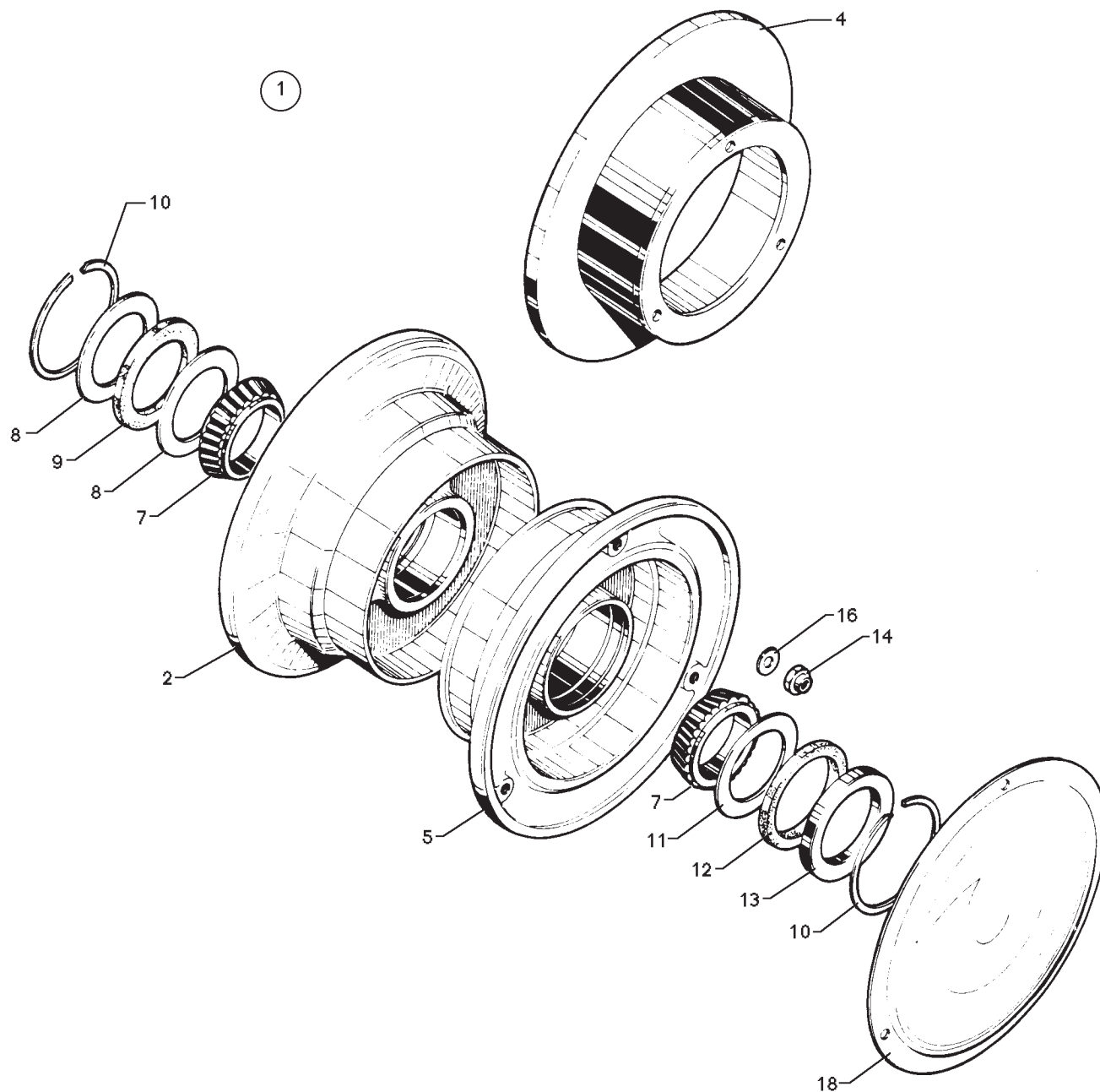


Figure 27. Main Wheel Assembly

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FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
27	78723 (AR)	DRAWING - Main Wheel Assy		
1	551-770	WHEEL ASSY - Main (heavy duty)		1
2	763-751	. WHEEL - Half, inner (Used on Wheel Assy 551-770 only)		1
-3	DELETED			
4	754-614	. DISC ASSY - Brake (Used on Wheel Assy 551-770 only)		1
5	763-752	. WHEEL - Half, outer (Used on Wheel Assy 551-770 only)		1
-6	DELETED			
7	751-489	. BEARING - Cone, Timken		2
8	755-999	. RING - Grease seal		2
9	751-772	. FELT - Grease seal		1
10	752-830	. RING - Snap		2
11	755-929	. RING - Grease seal		1
12	751-810	. FELT - Grease seal		1
13	755-930	. RING - Grease seal		1
14	404-531	. NUT - Wheel bolt (Used on Wheel Assy 551-770 only)		6
-15	DELETED			
16	690-628	. WASHER - Wheel bolt (NAS1149F0563P) (Used on Wheel Assy 551-765 only)		AR
-17	DELETED			
18	83710-002	COVER - Wheel		2

-Item not illustrated

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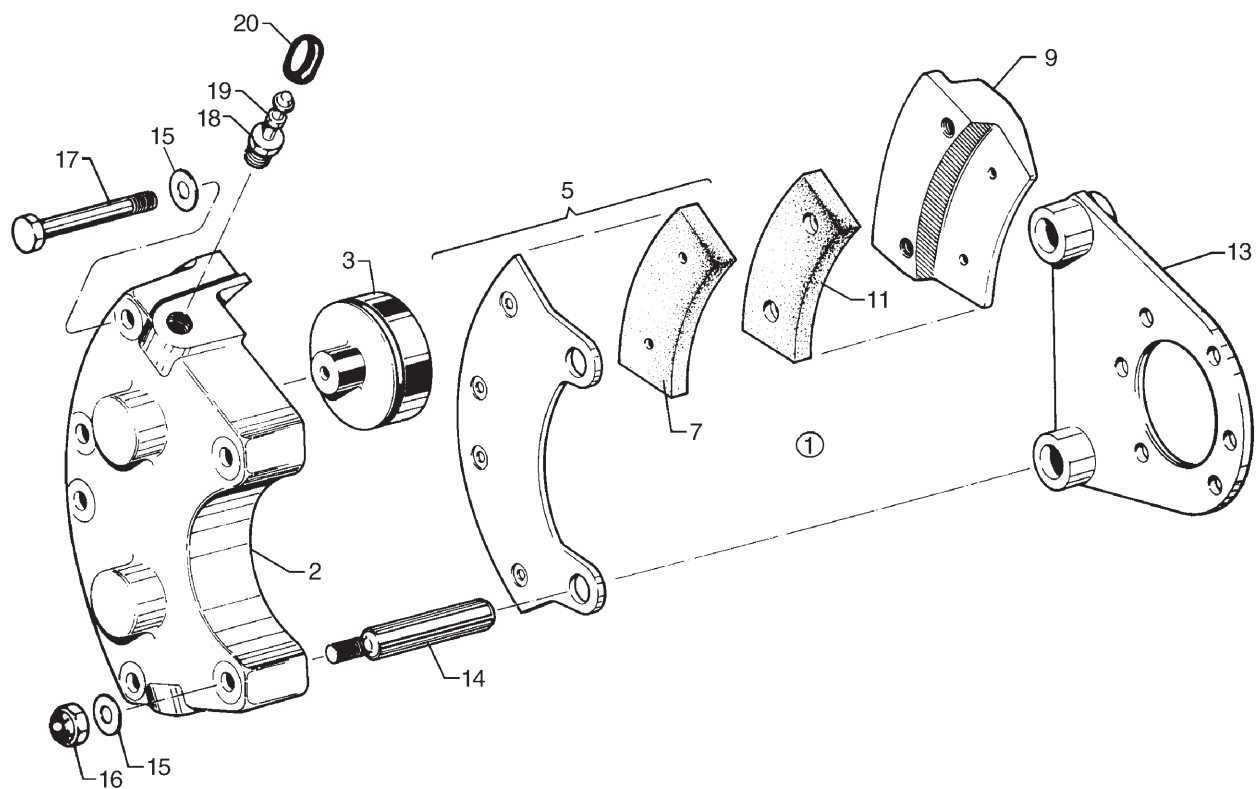


Figure 28. Brake Assembly

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
28				
1	551-725	BRAKE ASSY - (Heavy duty)		2
2	758-093	. CYLINDER - Brake - (61-25) (Used on Brake Assy 30-83A only)		1
3	757-483	. PISTON ASSY - (92-18) (Used on Brake Assy 30-83A only)		2
-4	DELETED			
5	757-485	. PLATE ASSY - Pressure - (73-27) (Used on Brake Assy 30-83A only)		1
-6	DELETED			
7	761-197	. . LINING - Pressure plate - (66-62) (Used on Brake Assy 30-83A only)		2
-8	DELETED			
9	757-484	. PLATE ASSY - Back - (74-30) (Used on Brake Assy 30-83A only)		2
-10	DELETED			
11	761-197	. . LINING - Back plate - (66-62) (Used on Brake Assy 30-83A only)		2
-12	DELETED			
13	451-786	. TORQUE PLATE ASSY - (75-39)		1
14	753-407	. BOLT - Anchor - (69-4)		2
15	690-613	. WASHER - (NAS1149F0432P)		6
16	404-888	. NUT - (AN365-428)		2
17	753-430	. BOLT - (103-11700)		4
18	752-966	. SEAT - Bleeder - (37-206)		1
19	752-965	. SCREW - Bleeder - (FC6446)		1
20	753-850	. CAP - Bleeder - (183-1)		1

-Item not illustrated

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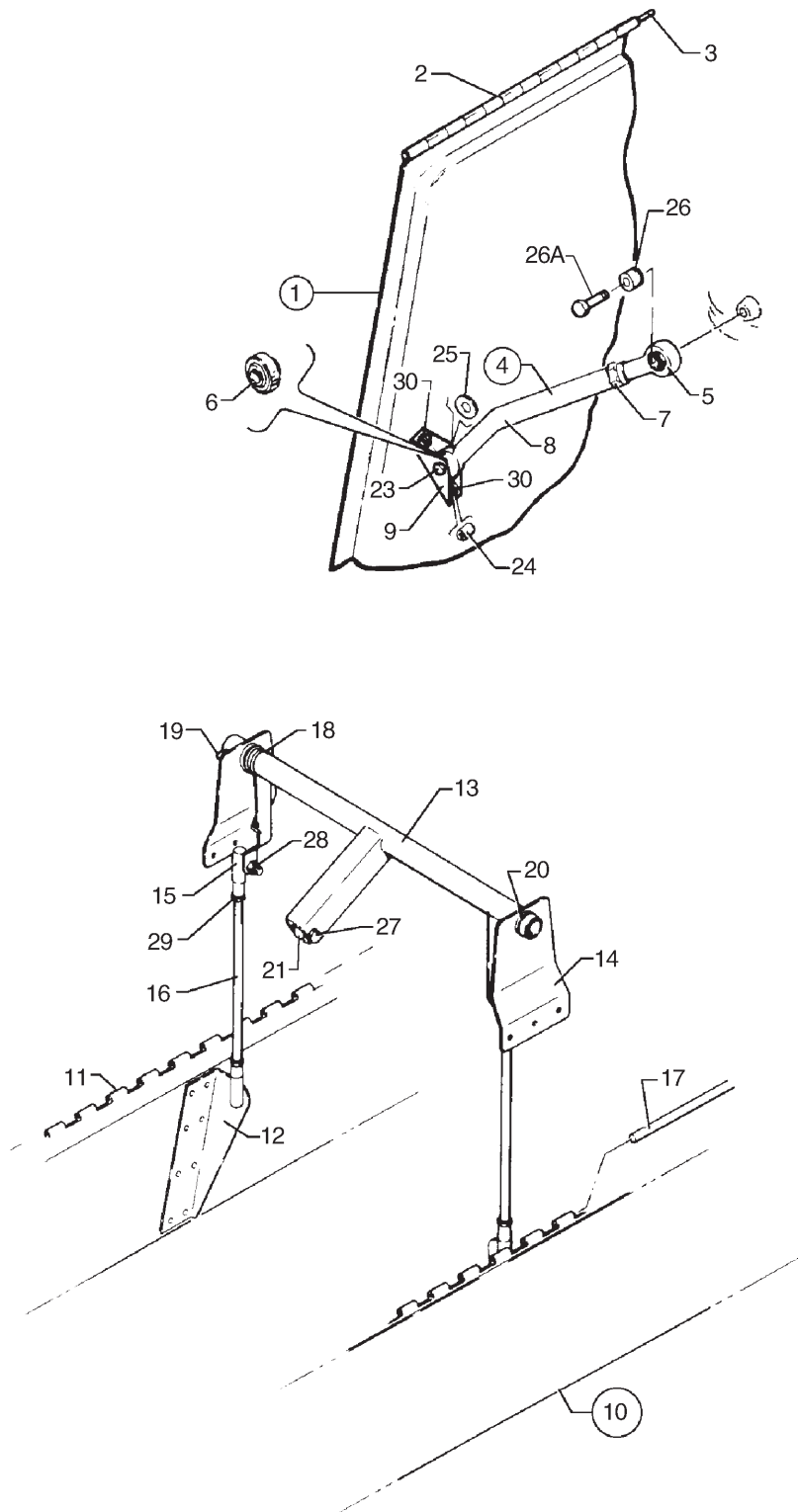


Figure 29. Landing Gear Door Installation

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
29	86262 (K) 86500 (BF)	DRAWING - Nose Door Mechanism Installation DRAWING - Wing Assy		
1	67090-010	DOOR ASSY - Main gear, left		1
-1A	67090-011	DOOR ASSY - Main gear, right		1
2	67093-004	. HINGE HALF - Main gear door, left		1
-2A	67093-005	. HINGE HALF - Main gear door, right		1
3	63744-011	PIN - Hinge, main gear door		2
4	37722-002	ROD ASSY - Main gear door		2
5	452-335	. BEARING - Rod end		1
6	452-584	. BEARING		1
7	404-321	. NUT - (AN316-C4R)		1
8	37722-003	. ROD ASSY		1
9	67091-000	BRACKET - Main gear door		2
10	86263-002	DOOR ASSY - Nose gear, left		1
-10A	86263-003	DOOR ASSY - Nose gear, right		1
11	86263-007	. HINGE HALF - Nose gear door, left		1
-11A	86263-008	. HINGE HALF - Nose gear door, right		1
12	86263-004	. BRACKET - Nose gear door, left		1
-12A	86263-005	. BRACKET - Nose gear door, right		1
13	86262-003	TUBE ASSY - Gear mechanism		1
14	86262-005	SUPPORT ASSY - Gear mechanism, left		1
-14A	86262-012	SUPPORT ASSY - Gear mechanism, right		1
15	89307-000	ROD END ASSY		4
16	86262-008	ROD - Nose gear door		2
17	86262-009	HINGE PIN		2
18	24033-000	SPRING - Gear mechanism, left		1
-18A	24033-001	SPRING - Gear mechanism, right		1
-18B	86262-016	PLATE		2
19	86262-015	PIN		1
20	452-647	BUSHING - Nylon		2
21	452-386	ROLLER - (NAS506-4)		1
-22	690-617	WASHER - (NAS1149C0363R)		2
-22A	690-614	WASHER - (NAS1149C0332R)		4
23	403-055	BOLT - (AN3C-10A)		2
-23A	690-614	WASHER - (NAS1149C0332R)		4
-23B	404-526	NUT - (MS21042-3)		2
24	63900-031	BUSHING - (.19 long)		2
25	62833-103	WASHER		2
26	63900-145	BUSHING		2
26A	401-261	BOLT - (AN3H-12A)		1
27	400-703	BOLT - (AN24-16)		1
-27A	690-613	WASHER - (NAS1149F0432P)		1
-27B	404-101	NUT - (AN310-4)		1
-27C	424-052	COTTER PIN - (MS24665-134)		1
28	690-609	WASHER - (NAS1149F0332P)		4
-28A	404-526	NUT - (MS21042-3)		10
29	404-243	NUT - Check (AN315C3R)		4
30	411-536	SCREW - (MS35207-267)		4
-30A	690-612	WASHER - (NAS1149FN363P)		4
-30B	404-526	NUT - (MS21042-3)		4

-Item not illustrated

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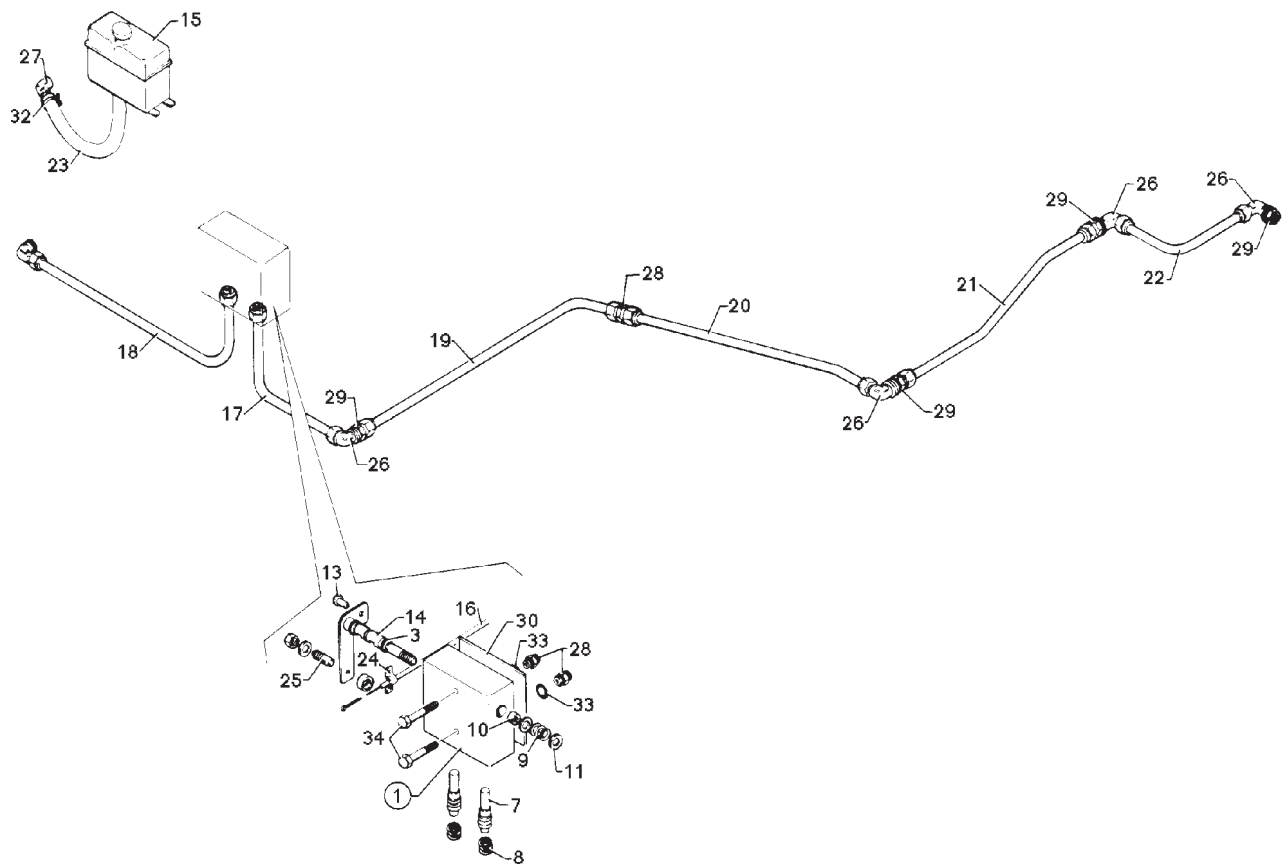


Figure 30. Hand Brake Installation

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
30	86426 (N)	DRAWING - Brake Lines Installation		
1	492-152	VALVE - Parking brake (060-00301)		1
-2	DELETED			
3	752-735	. O-RING - (AN6227-3)		1
-4	DELETED			
-5	DELETED			
-6	DELETED			
7	753-110	. VALVE		2
8	762-333	. SPRING		2
9	756-119	. SPRING		1
10	751-445	. BUSHING		1
11	756-406	. WASHER		2
-12	DELETED			
13	757-238	. PIN		2
14	757-879	. CAM ASSY - Valve (181-00301)		1
15	96474-000	RESERVOIR ASSY - Brake system		1
16	653-620	CABLE ASSY - Parking brake		1
-16A	63904-082	HOSE		AR
17	86238-035	TUBE ASSY - Brake, left		1
18	86238-036	TUBE ASSY - Brake, right		1
19	86238-054	TUBE ASSY - Brake, left		1
-19A	86238-028	TUBE ASSY - Brake, right		1
20	86238-023	TUBE ASSY - Brake		2
21	86238-025	TUBE ASSY - Brake		2
22	86238-043	TUBE ASSY - Brake, left		1
-22A	86238-047	TUBE ASSY - Brake, right		1
23	63913-096	HOSE		1
24	66853-000	CLAMP - Parking valve cable		1
25	70371-002	FITTING - Swivel		1
-25A	70371-003	STUD		1
-25B	690-612	Washer - (NAS1149F0432P)		1
-25C	690-613	Washer - (NAS1149F0363P)		1
25D	404-100	NUT - (AN310-3)		1
25E	424-032	COTTER PIN - (MS24665-170)		1
26	458-900	ELBOW - (AN833-4D)		8
27	558-850	ELBOW - (AN838-4D)		1
28	491-050	UNION - (AN815-4D)		4
29	407-568	WASHER - (AN960-716)		16
-29A	477-618	NUT - (AN924-4D)		8
30	86382-004	DOUBLER ASSY - Valve		1
-31A	411-532	SCREW - (MS35207-263)		1
-31B	404-224	NUT - (AN315-3R)		1
-31C	690-612	WASHER - (NAS1149FN363P)		1
32	554-861	CLAMP - (SAE TY-#4)		2
33	462-027	O-RING - (AN6290-4)		2
34	401-274	BOLT - (AN3-15A)		2

-Item not illustrated

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

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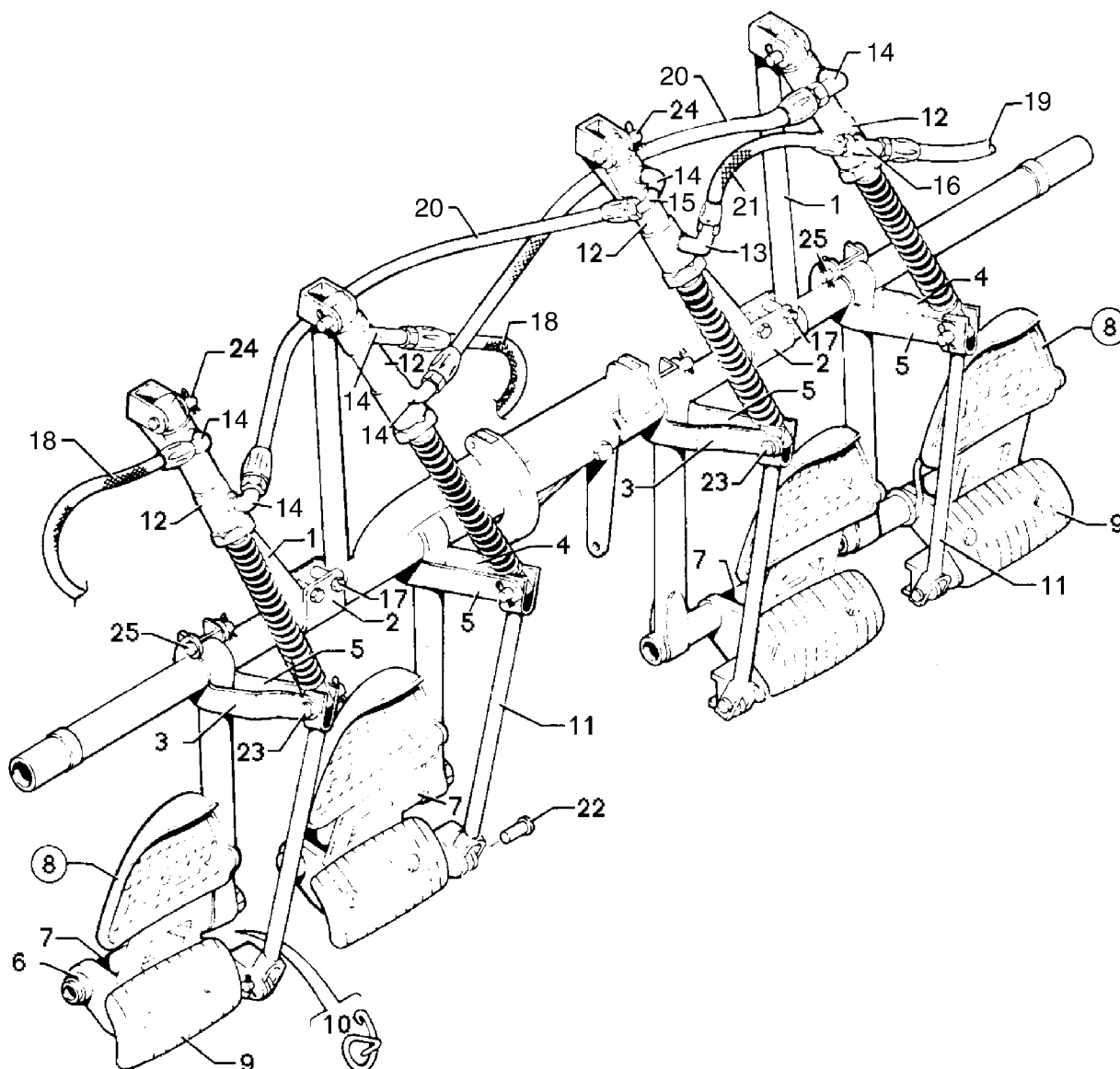


Figure 31. Toe Brake Installation

THE NEW PIPER AIRCRAFT, INC.
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AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
31	86287 86284 (BN) 86426 (N)	DRAWING - Dual Toe Brake Control Assy DRAWING - Control System Installation DRAWING - Brake Lines Installation		
1	63464-000	BRACE ASSY - Toe brake		2
2	63468-000	BRACKET - Toe brake		2
3	63469-000	ARM - Toe brake		2
4	63469-001	ARM - Toe brake		2
5	63470-000	ARM - Toe brake		4
6	453-714	BUSHING - Brake pedal		8
7	63478-000	SPACER - Toe pedal		4
8	63485-000	PEDAL ASSY - Toe brake, left inboard		
-8A	63485-001	PEDAL ASSY - Toe brake, right inboard		
9	62867-002	. PAD ASSY - Brake pedal		1
10	63594-000	CLIP - Spring, Left Outboard Pedal - (554-831)		1
-10A	63594-001	CLIP - Spring, Right Outboard Pedal - (554-832)		1
11	79430-000	CLEVIS ASSY - Toe brake		4
-11A	63481-022	FITTING ASSY		1
-11B	63481-023	FITTING ASSY		1
-11C	63481-024	FITTING ASSY		1
12	455-968	. CYLINDER ASSY - Master (Cleveland) (See Figure 32 for component parts)		4
12	455-944	. CYLINDER ASSY - Master (Gar-Kenyon) (See Figure 32 for component parts)(optional)		4
13	458-894	ELBOW - (MS20822-4D)		1
14	458-904	ELBOW - (AS4854D01)		6
15	558-806	ELBOW - (MS20823-4D)		1
16	691-220	TEE - (MS20825-4D)		1
-16A	477-677	NUT		1
17	400-444	BOLT - (AN3-13A)		4
-17A	690-612	WASHER - (NAS1149F0363P)		4
-17B	404-526	NUT - (MS21042-3)		4
18	63901-085	HOSE ASSY - Flexible		2
19	63901-031	HOSE ASSY - Flexible		1
20	63901-021	HOSE ASSY - Flexible		2
21	63901-022	HOSE ASSY - Flexible		AR
22	424-175	PIN - Flat head (MS20392-2C13)		AR
23	424-181	PIN - Flat head (MS20392-2C25)		4
24	424-184	PIN - Flat head (MS20392-2C31)		4
25	424-357	PIN - Flat head (MS20392-2C39)		4

-Item not illustrated

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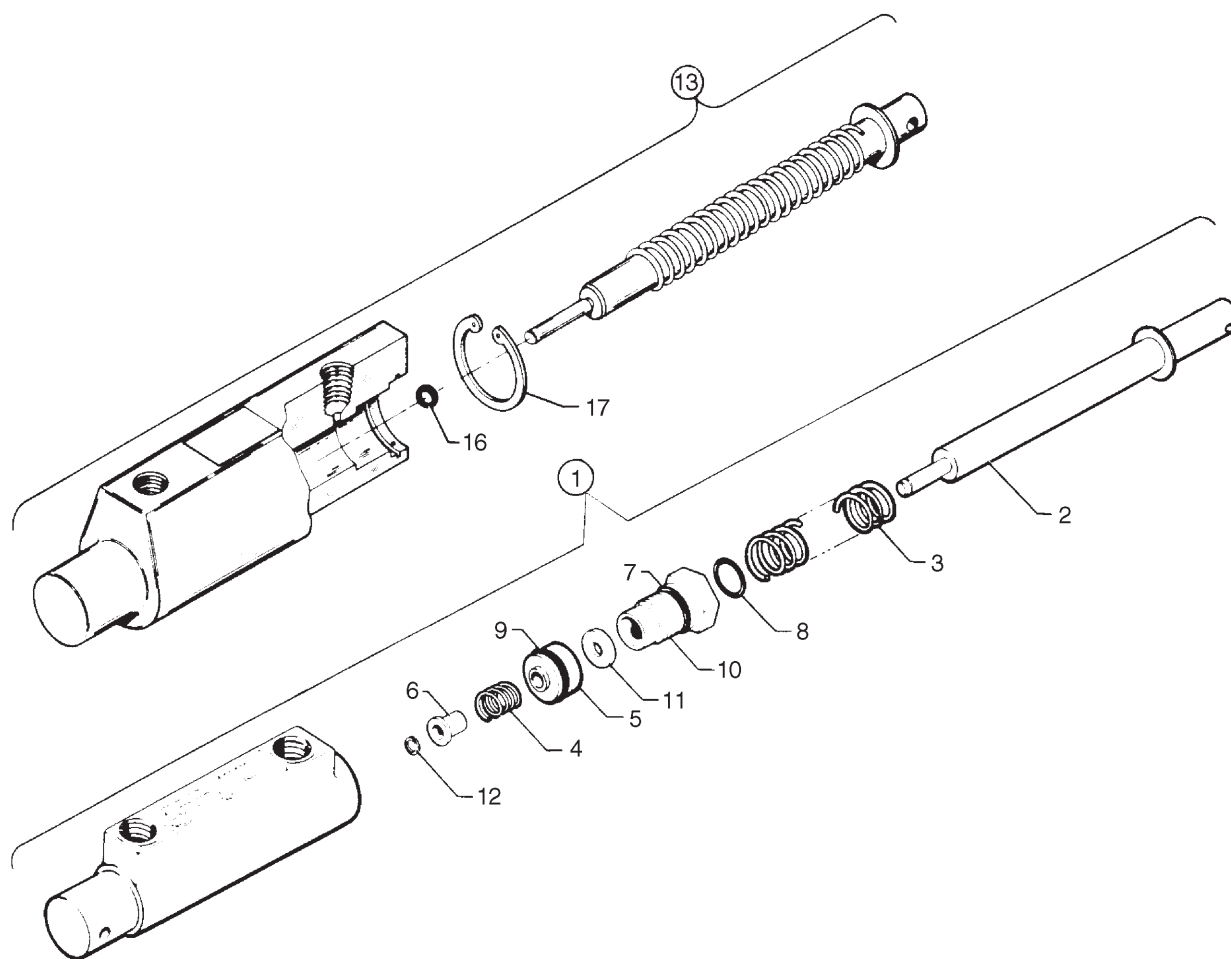


Figure 32. Toe Brake Master Cylinder Assembly

**THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG**

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
32				
1	455-944	CYLINDER ASSY - Master - (17000)		4
2	757-480	. PISTON ROD AND RING ASSY - Includes spring retaining ring		1
3	762-276	. SPRING		1
4	762-277	. SPRING		1
5	757-479	. PISTON		1
6	762-275	. SLEEVE		1
7	752-584	. O-RING - (MS28775-113)		1
8	484-788	. O-RING - (MS28775-012)		1
9	752-585	. O-RING - (MS28775-110)		1
10	754-848	. FITTING		1
11	494-177	. SEAL - (110-3/16)		1
12	762-531	. RING - Retaining		1
13	455-968	CYLINDER ASSY - Master - (10-30)		4
-14	DELETED			
-15	DELETED			
16	484-675	. O-RING - (MS28775-006)		1
17	762-587	. RING - Snap - (155-04700)		1

-Item not illustrated

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

**THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG**

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SECTION V

CABIN EQUIPMENT GROUP

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

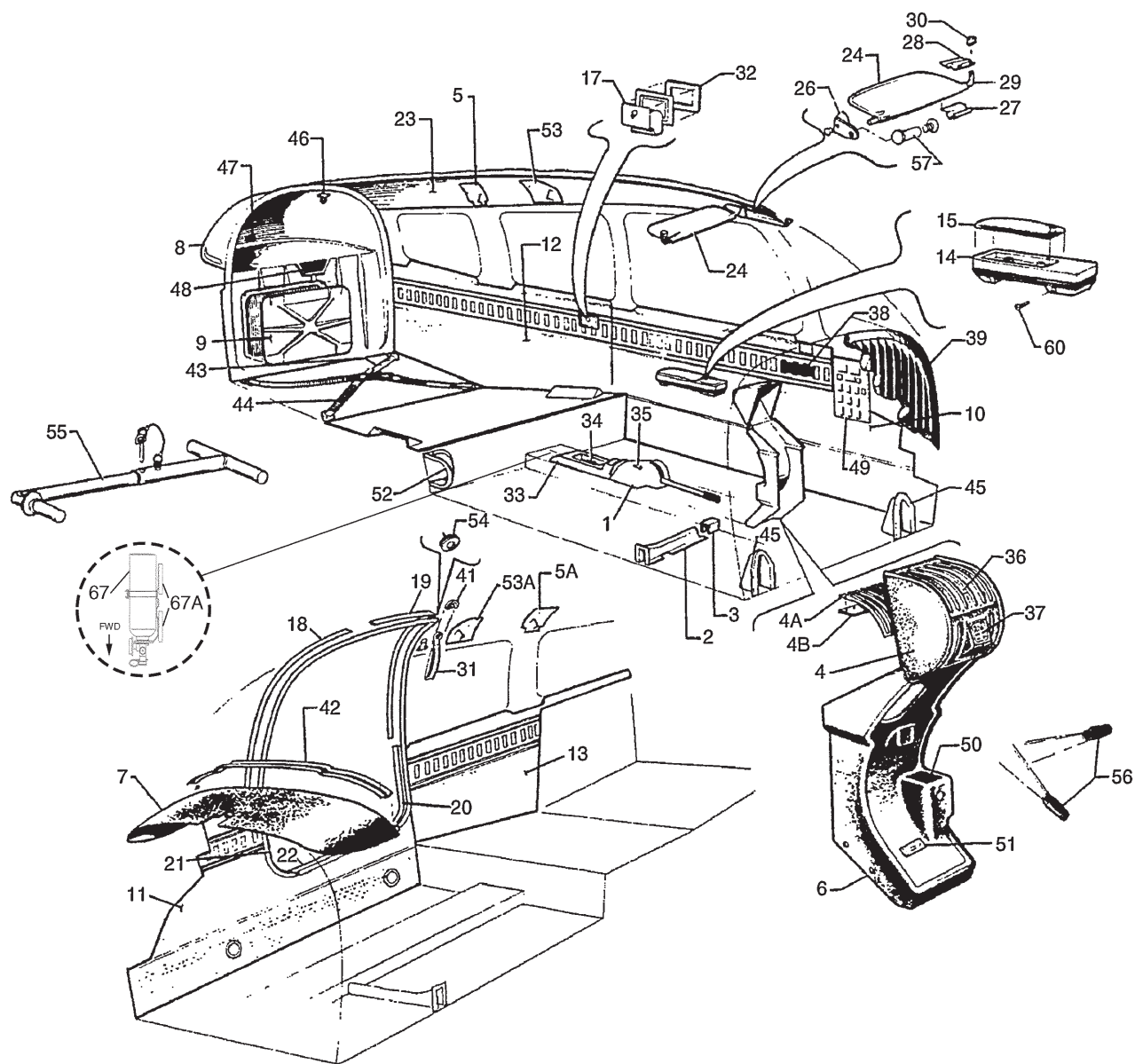


Figure 33. Cockpit Finishing Installation

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
33	86690 (AR)	DRAWING - Cockpit Finishing Installation		
	99902 (BA)	DRAWING - Interior Panels Installation		
	66991 (AG)	DRAWING - Sun Visor Installation		
	78734 (R)	DRAWING - Bulkhead Installation		
	76461	DRAWING - Headliner Installation - Cockpit		
	79164 (U)	DRAWING - Shoulder Harness Installation		
	82235 (F)	DRAWING - Fire Extinguisher Installation		
1	86751-002	COVER ASSY - Flap and trim (When ordering, specify color)	4496001 thru 4496019	1
1	86751-005	COVER ASSY - Flap and trim (When ordering, specify color)	4496020 and up	1
2	86775-004	COVER ASSY - Fuselage frame, outboard, left (When ordering, specify color)		1
-2A	86775-005	COVER ASSY - Fuselage frame, outboard, right (When ordering, specify color)		1
3	63144-000	COVER - Fuselage frame, inboard		2
4	95808-008	COVER ASSY - Engine controls (When ordering, specify color)	4496001 thru 4496019	1
4	95808-015	COVER ASSY - Engine controls (When ordering, specify color)	4496020 and up	1
4A	95804-002	. PLATE - Engine control cover		1
4B	95807-000	. CLIP - Engine control cover		1
-4C	95806-002	. SUPPORT		1
-4D	406-343	. NUT - (A872-012-1)		4
-4E	36891-007	. COVER		1
-4F	419-642	. SCREW - (4 x 3/8)		7
5	99920-002	COVER ASSY - Shoulder harness, rear, left		1
5A	99920-003	COVER ASSY - Shoulder harness, rear, right		1
6	86780-003	COVER - (When ordering, specify color)	4496001 thru 4496019	1
6	86780-004	COVER - Console (When ordering, specify color)	4496020 and up	1
-6A	419-709	SCREW		4
-6B	494-004	WASHER		4
7	67325-003	COVER - Cowl (non-Avidyne)		1
7	101966-002	COVER ASSY - Cowl deck (alternate)	4496020 and up	1
-7A	101966-003	. COVER		1
-7B	84278-012	. SCREEN		1
8	79849-002	BULKHEAD ASSY - Rear cabin		1
9	79445-000	. DOOR ASSY - Access cover		1
10	86693-004	PANEL ASSY - Left front cockpit		1
11	79698-006	PANEL ASSY - Right front cockpit		1
12	79696-000	PANEL ASSY - Left rear cockpit	4496001 thru 4496013	1
-12A	79696-003	PANEL ASSY - Left rear cockpit	4496014 and up	1
13	79705-000	PANEL ASSY - Right rear cockpit	4496001 thru 4496013	1
13A	79705-002	PANEL ASSY - Right rear cockpit	4496014 and up	1
14	66710-042	ARMREST - Left side	4496001 thru 4496013	1
14	89265-000	ARMREST - Left side	4496014 and up	1
15	580-731	PAD - Armrest, camel (optional)		1
15A	579-228	PAD - Armrest, dark blue (vinyl)(optional)		1
15B	579-474	PAD - Armrest, dark blue (velour)(optional)		1
15C	579-227	PAD - Armrest, firethorn red (vinyl)(optional)		1
15D	579-472	PAD - Armrest, firethorn red (velour)(optional)		1
15E	579-473	PAD - Armrest, buckskin (optional)		1
15F	579-226	PAD - Armrest, dark cedar (knit)(optional)		1

-Item not illustrated

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PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
33-				
-16	DELETED			
17	489-388	ASH RECEIVER - (2A20580) (complete) chrome	4496001 thru 4496013	1
18	63142-051	TRIM STRIP - Door frame, top front		1
19	63142-055	TRIM STRIP - Door frame, top rear		1
20	63142-056	TRIM STRIP - Door frame, bottom rear		1
21	69403-003	WINDLACING - Door seal		1
22	76191-003	SILL - Door	4496043 and up	1
-22A	76191-002	SILL - Door	4496001 thru 4496042	1
-22B	419-806	SCREW - (MS21207C6-8)		6
-22C	508-007	WASHER		6
23	76462-000	HEADLINER ASSY - Cockpit		1
24	65866-004	BLADE - Sun visor		2
-25	690-609	WASHER - (NAS1149F0332P)		5
-25A	404-526	NUT - (MS20364-1032C)		2
-25B	415-377	SCREW - (MS51957-28)		4
-25C	477-696	DOME NUT		4
-25D	408-100	WASHER - (MS35335-32)		2
-25E	690-660	WASHER - (MS35335-30)		4
26	65865-000	RETAINER - Sun visor		2
27	65870-000	CLIP - Sun visor, upper left, lower right		2
28	65871-000	CLIP - Sun visor, upper right, lower left		2
29	65867-000	ROD - Sun visor		2
30	65869-000	BEARING - Sun visor		4
31	79455-000	STRAP - Assist (optional)		1
32	65269-002	DOUBLER - Ashtray	4496001 thru 4496013	2
33	86752-002	COVER ASSY - Fuel selector (When ordering, specify color)	4496001 thru 4496019	1
33	86752-004	COVER - Fuel selector (When ordering, specify color)	4496020 and up	1
-33A	419-713	SCREW		11
-33B	494-004	WASHER		11
34	35669-074	PLACARD - Fuel selector (See Figure 77)		RF
35	67786-000	PLACARD - Stabilator trim (See Figure 77)		RF
36	95805-002	PLACARD - Engine controls (683-382) (See Figure 77)		RF
37	35669-072	PLACARD - Carburetor heat (See Figure 77)		RF
38	35669-142	PLACARD - Operating limitations (See Figure 77)		RF
39	99827-002	BLANKET ASSY - Firewall		1
40	DELETED			
41	79456-000	CAP - Assist strap - (optional)		1
-41A	414-788	SCREW - (MS24693-C52)		1
42	89305-002	GLARE SHIELD (non-Avidyne)		1
42	89305-024	GLARE SHIELD (alternate)	4496020 and up	1
-42A	99930-002	COVER ASSY - Window sill		1
-42B	515-715	SCREW		18
-42C	690-640	WASHER - (NAS1149FN632P)		18
-42D	404-902	NUT - (MS20365-632C)		18
43	66804-000	STRAP ASSY - Baggage tie down (tip end)		2
-43A	63900-028	BUSHING	4496001 thru 4496019	4
-43A	63900-147	BUSHING	4496020 and up	4
-43B	62833-101	WASHER		4
-43C	401-266	BOLT - (AN3-5A)		4
44	66805-000	STRAP ASSY - Baggage tie down (buckle end)		2
45	78735-002	COVER - Rudder pedal stop bracket		2
46	487-629	STUD ASSY - Coat hanger (KM 894-1A)		2

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
33-				
47	66787-000	PLACARD - Soft wear (See Figure 77)		RF
48	68399-002	PLACARD - Baggage limitation (See Figure 77)		RF
-49	DELETED			
50	35669-164	PLACARD - Rudder trim (See Figure 77)		RF
51	95961-000	PLACARD - Cowl flap (See Figure 77)		RF
52	86781-002	COVER - Trim (When ordering, specify color)		1
53	78054-005	COVER ASSY - Shoulder harness, left	4496001 thru 4496019	1
53	78054-002	COVER ASSY - Shoulder harness, left	4496020 and up	1
53A	78054-003	COVER ASSY - Shoulder harness, right		1
54	99790-000	PAD - Shoulder strap control		1
55	69975-009	TOW BAR ASSY		1
-55A	69975-003	. BAR ASSY - Upper		1
-55B	69975-010	. BAR ASSY - Lower		1
56	18875-007	KNOB - Cowl flap control		2
57	36588-004	SCREW AND POST ASSY - Retainer		1
-58	DELETED			
60	419-594	SCREW - (AN530-10R36)		2
-61	DELETED			
-62	DELETED			
-63	DELETED			
-64	79600-000	COMPASS HOUSING		1
-64A	453-846	BUSHING		1
-65	63900-023	SCREW		18
-66	79404-000	COVER		1
67	100632-002	FIRE EXTINGUISHER		1
67A	82227-002	BRACKET		2
-67B	419-919	SCREW (for 82227-002 Bracket)		4
-67C	411-532	SCREW (hardware for fire extinguisher holder bracket)		4
-67D	690-609	WASHER - (NAS1149F0832P) (hardware for fire extinguisher holder bracket)		4
-67E	404-526	NUT - (MS21042-3) (hardware for fire extinguisher holder bracket)		4

-Item not illustrated

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

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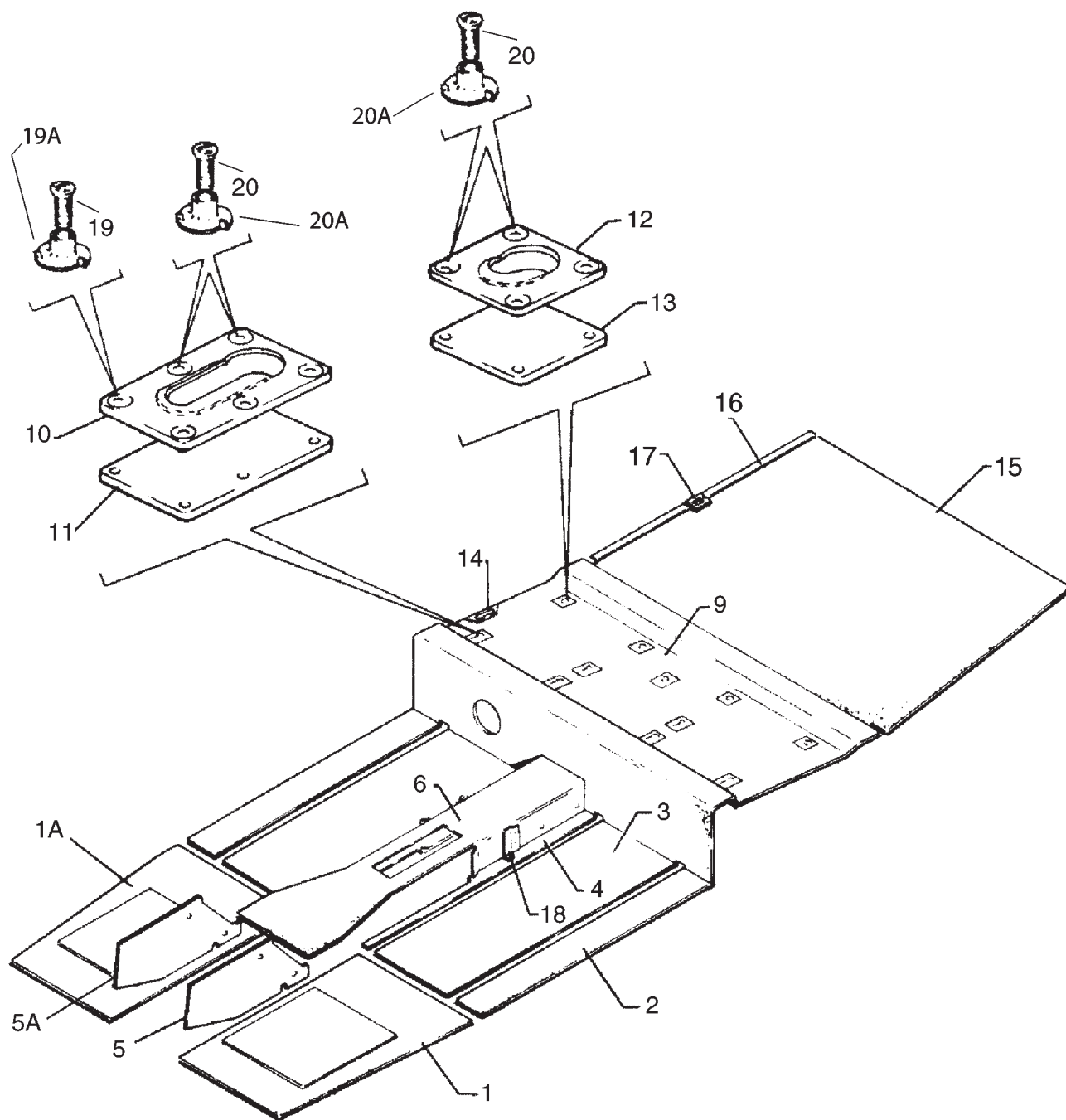


Figure 34. Carpet Installation

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AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
34	86690 (AR) 79828 79240 (H)	DRAWING - Cockpit Finishing Installation DRAWING - Floor Assy DRAWING - Carpet Installation (optional, sound reduction)		
1	76161-015	CARPET - Floor, front left (When ordering, specify color)		1
1	79236-010	CARPET (optional, sound reduction)		1
1A	76161-016	CARPET - Floor, front right (When ordering, specify color)		1
1A	79236-011	CARPET (optional, sound reduction)		1
2	67905-007	CARPET - Floor, outboard (When ordering, specify color)		2
2	79236-016	CARPET (optional, sound reduction)		2
3	67906-007	CARPET - Floor, center (When ordering, specify color)		2
3	78236-005	CARPET (optional, sound reduction)		2
4	76199-012	CARPET - Floor, inboard left, dark cedar (When ordering, specify color)		1
4	79236-012	CARPET (optional, sound reduction)		1
-4A	76199-013	CARPET - Floor, inboard right, dark cedar (When ordering, specify color)		1
-4A	79236-013	CARPET (optional, sound reduction)		1
5	67904-012	CARPET - Tunnel, side, left, dark cedar (When ordering, specify color)		1
5A	67904-013	CARPET - Tunnel, side, right, dark cedar (When ordering, specify color)		1
6	76160-008	CARPET - Tunnel, top, dark cedar (When ordering, specify color)		1
-7	DELETED			
-8	DELETED			
9	99119-011	PANEL - Floor		1
10	99141-003	PLATE - Seat attachment, forward		4
11	99140-000	PLATE - Seat attachment, forward		4
12	68094-003	PLATE - Seat attachment, aft		4
13	79781-002	PLATE ASSY - Seat attachment, aft		4
14	99252-010	COVER - Exhaust vent		2
15	66801-002	CARPET - Baggage compartment, dark cedar (When ordering, specify color)		1
16	63185-006	. TRIM STRIP - Baggage compartment		1
17	63293-002	. PLATE - Striker, baggage door		1
18	99433-000	CLIP - Carpet, left		1
-18A	99433-001	CLIP - Carpet, right		1
19	415-536	SCREW - (MS35206-246)		8
19A	603-800	TEE NUT - (SS58162 K2915)		8
20	415-538	SCREW - (MS35206-248)		32
20A	603-800	TEE NUT - (SS58162 K2915)		32

-Item not illustrated

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

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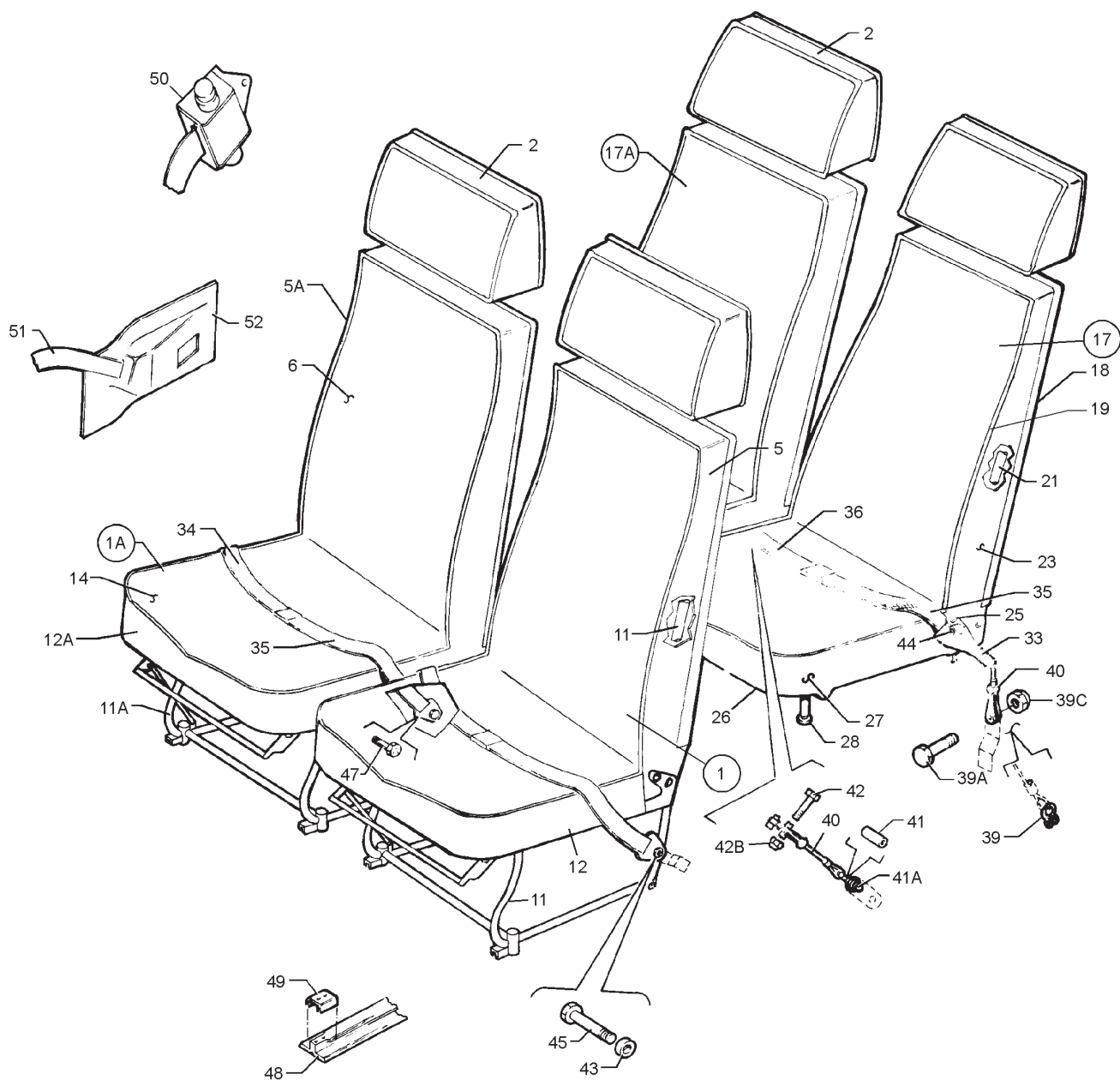


Figure 35. Seats Installation

THE NEW PIPER AIRCRAFT, INC.
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AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
35	76170 (BB) 79164 (U) 86601 (DG) 89266 (F)	DRAWING - Seats Installation DRAWING - Shoulder Harness Installation DRAWING - Fuselage Assy DRAWING - Rear Work Table		
1	89026-002	SEAT ASSY - Front, pilot's, standard (When ordering, specify color)		1
1A	89026-003	SEAT ASSY - Front, co-pilot's, standard (When ordering, specify color)		1
2	89028-002	. HEADREST ASSY - (Optional) (When ordering, specify color)		1
-2A	89028-003	. . FILLER ASSY		2
-2B	89028-004	. . COVER		2
-2C	104906-002	. . CUSHION		2
-2D	99253-000	. . PLATE		2
-2E	180-437	. TAPE LOOP		A/R
-2F	180-436	. TAPE HOOK		A/R
-3	400-916	. BOLT - Clevis LH - (AN24-26A)		2
-3A	400-917	. BOLT - Clevis RH - (AN24-27A)		2
-3B	690-611	. WASHER - (NAS1149F0463P)		4
-3C	477-708	. NUT		2
-4	487-490	. SPRING		1
5	89023-016	. CUSHION AND FRAME ASSY - Back, pilot's, standard (When ordering, specify color)		1
5A	89023-017	. CUSHION AND FRAME ASSY - Back, co-pilot's, standard (When ordering, specify color)		1
6	89023-013	. . COVER - Seat back (When ordering, specify color)		1
-7	78023-000	. . BACKING		1
-8	104901-002	. . CUSHION		1
-9	79880-003	. . PLATE - Seat back		1
-10	402-777	. . BOLT - Back adjustment - (NAS428-4A13)		1
-10A	79177-000	. . NUT - Back adjustment		2
11	79555-000	. . FRAME ASSY - Back, pilot's		1
11A	79555-001	. . FRAME ASSY - Back, co-pilot's		1
12	89026-006	. CUSHION AND FRAME ASSY - Bottom, pilot's (When ordering, specify color)		1
12A	89026-007	. CUSHION AND FRAME ASSY - Bottom, co-pilot's (When ordering, specify color)		1
-13	DELETED			
14	455-770	. . CUSHION		1
15	89046-008	. . COVER - Seat bottom (When ordering, specify color)		1
-15A	67771-002	. . NETTING		1
-15B	484-829	. . HOG RING		15
16	79539-002	. . VERTICAL ADJUSTMENT SEAT FRAME ASSY (See Figure 36 for component parts)		RF
16A	79539-003	. . VERTICAL ADJUSTMENT SEAT FRAME ASSY (See Figure 36 for component parts)		RF
17	89027-002	SEAT ASSY - Rear, left (When ordering, specify color)		1
17A	89027-003	SEAT ASSY - Rear, right (When ordering, specify color)		1
-17B	455-744	. CUSHION - (MF-9900-04)		1
-17B	104903-002	. CUSHION - (455-771)		1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
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AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
35-				
18	89023-010	. CUSHION AND FRAME ASSY - Back, left and right (When ordering, specify color)		1
19	89023-013	.. COVER - Seat back (When ordering, specify color)		1
-20	78023-000	.. BACKING		1
21	79555-000	.. FRAME ASSY - Seat back		1
-22	402-777	.. BOLT - Back adjustment - (NAS428-4A13)		1
-22A	79177-000	.. NUT - Back adjustment		1
23	104900-002	.. CUSHION		1
-24	79880-003	.. PLATE - Seat back		1
25	400-916	. BOLT - Clevis - (AN24-26A)		2
-25A	690-611	. WASHER - (NAS1149F0463P)		4
-25B	477-703	. NUT - Self locking		2
26	89027-004	. CUSHION AND FRAME ASSY - Bottom, left (When ordering, specify color)		1
-26A	89027-005	. CUSHION AND FRAME ASSY - Bottom, right (When ordering, specify color)		1
27	89027-006	.. COVER - Seat bottom (When ordering, specify color)		1
28	99077-016	.. FRAME ASSY - Seat bottom, left		1
-28A	99077-017	.. FRAME ASSY - Seat bottom, right		1
-29	89020-003	.. FILLER - Molded		1
-30	89021-003	.. FILLER - Cut shape		1
-31	484-829	.. HOG RING		35
-32	67771-000	.. NETTING		1
33	68022-014	BOOT - Seat belt attachment, black		2
34	564-862	BELT ASSY - Safety, buckle end, front, inboard (Seat belt sections manufactured by Pacific Scientific) (When replacing seat belt sections, replace with proper manufacturer's code, as appropriate. If it becomes necessary to replace a seat belt section with that of another manufacturer, the accompanying belt section must also be replaced)	4496001 thru 4496035	2
34	564-872	BELT ASSY - Safety, buckle end, front, inboard (Seat belt sections manufactured by Davis Aircraft Products)(When replacing seat belt sections, replace with proper manufacturer's code, as appropriate. If it becomes necessary to replace a seat belt section with that of another manufacturer, the accompanying belt section must also be replaced) (Reference Piper Service Bulletin #990 - latest revision.)	4496001 thru 4496035	2
35	564-867	BELT ASSY - Safety, adjustable end, front and rear (Seat belt sections manufactured by Pacific Scientific) (When replacing seat belt sections, replace with proper manufacturer's code, as appropriate. If it becomes necessary to replace a seat belt section with that of another manufacturer, the accompanying belt section must also be replaced) (Reference Piper Service Bulletin #990 - latest revision.)	4496001 thru 4496035	4

-Item not illustrated

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THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
35-				
35	564-873	BELT ASSY - Safety, adjustable end, front (Seat belt sections manufactured by Davis Aircraft Products) (When replacing seat belt sections, replace with proper manufacturer's code, as appropriate. If it becomes necessary to replace a seat belt section with that of another manufacturer, the accompanying belt section must also be replaced)	4496001 thru 4496035	4
36	564-870	BELT ASSY - Safety, buckle end, rear, inboard (Seat belt sections manufactured by Davis Aircraft Products)(When replacing seat belt sections, replace with proper manufacturer's code, as appropriate. If it becomes necessary to replace a seat belt section with that of another manufacturer, the accompanying belt section must also be replaced)	4496001 thru 4496035	2
36	564-868	BELT ASSY - Safety, buckle end, rear, inboard (Seat belt sections manufactured by Pacific Scientific) (When replacing seat belt sections, replace with proper manufacturer's code, as appropriate. If it becomes necessary to replace a seat belt section with that of another manufacturer, the accompanying belt section must also be replaced)(Reference Piper Service Bulletin #990 - latest revision.)	4496001 thru 4496035	2
-37	104211-014	SEAT BELT - Shoulder, front left	4496036 and up	
-37A	104211-015	SEAT BELT - Shoulder, front right	4496036 and up	1
-38	104211-012	SEAT BELT - Shoulder, rear left	4496036 and up	1
-38B	104211-013	SEAT BELT - Shoulder, rear right	4496036 and up	1
39	486-560	SHACKLE - (MS20115F5)		2
39A	400-004	BOLT - (AN4-7A)		2
-39B	690-611	WASHER - (NAS1194F0463P)		2
39C	404-530	NUT - (MS21042-4)		2
40	96908-000	CABLE ASSY - Seat belt attachment, rear		2
41	95061-091	BUSHING - Rear seat cable attachment		1
41A	401-355	BOLT - (AN5-14A)		2
-41B	690-628	WASHER - (NAS1149F0563P)		1
-41C	404-531	NUT - (MS21042-5)		1
42	401-187	BOLT - (AN5-7A)		4
-42A	690-628	WASHER - (NAS1149F0563P)		1
42B	404-531	NUT - (MS21042-5)		4
43	63900-145	BUSHING - Front seat safety belt attachment		2
44	63900-149	BUSHING - Rear seat safety belt attachment		4
45	401-269	BOLT - (AN3-10A)		2
-45A	690-612	WASHER - (NAS1149FN363P)		2
-46	63904-103	SLEEVE		2
47	401-269	BOLT - (AN3-10A)		1
48	62557-004	TRACK - Seat		4
49	62654-000	STOP - Seat		8
50	564-863	BELT ASSY - Shoulder, front (with inertia reel)	4496001 thru 4496030	2
51	564-864	BELT ASSY - Shoulder, rear (with inertia reel)	4496001 thru 4496030	2
52	99920-002	COVER ASSY - Inertia reel, rear, left		1
-52A	99920-003	COVER ASSY - Inertia reel, rear, right		1
-52B	487-560	STUD	4496001 thru 4496030	2
-53	89266-002	TABLE ASSY		1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

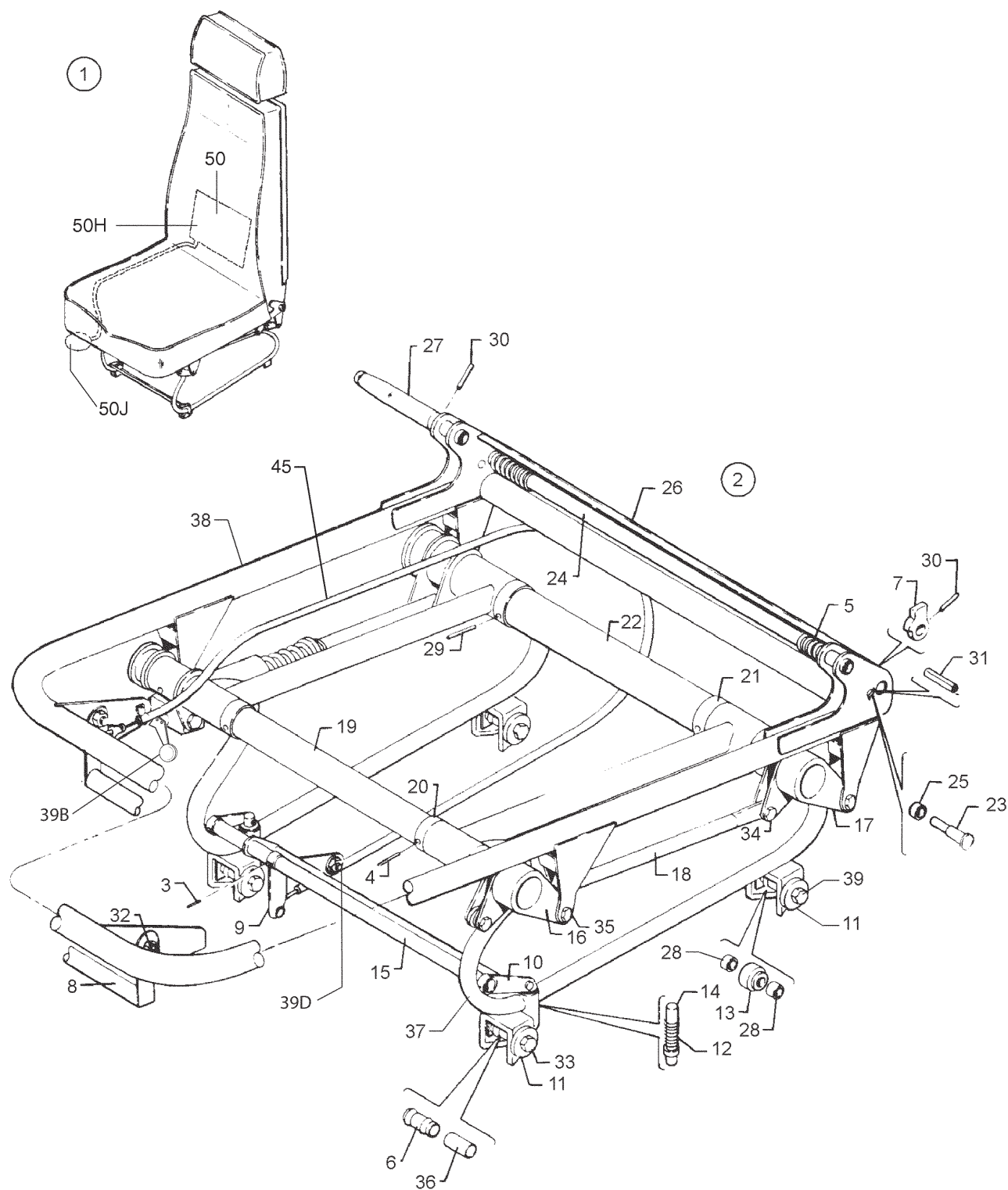


Figure 36. Vertically Adjustable Front Seat Assembly

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
36	02585 (F) 79539 (J) 89026 (AC)	DRAWING - Lumbar Installation - (optional) DRAWING - Vertically Adjustable Front Seat Assy DRAWING - Front Seat Assy		
1	89026-006	SEAT ASSY - Front, pilot's, standard (See Figure 35 for component parts)		1
-1A	89026-007	SEAT ASSY - Front, co-pilot's, standard (See Figure 35 for component parts)		1
2	79539-002	. FRAME ASSY - Bottom, left		1
-2A	79539-003	. FRAME ASSY - Bottom, right		1
3	480-777	. . PIN - (MS9048-100) .50 long		3
4	480-789	. . PIN - (MS9048-170)		2
5	19336-000	. . SPRING - Seat back adjustment, left		1
-5A	19336-001	. . SPRING - Seat back adjustment, right and left		1
-5B	424-060	. . PIN - (MS24665-285)		2
6	87332-002	. . ROLLER - Seat (Before ordering, ascertain O.D. at center of seat roller. If O.D. of roller measures .42, (2) rollers P/N 87332-002 must be ordered. If O.D. of roller measures .62, order roller(s) as required)		2
7	19365-002	. . CAM - Reclining seat		2
8	79207-000	. . HANDLE ASSY - Seat release, left		1
9	76187-000	. . ARM ASSY - Seat release		1
10	76178-000	. . ARM ASSY - Seat latch		2
-10A	424-139	. . PIN - (MS2392-1C13)		2
-10B	690-668	. . WASHER - (NAS1149FN432P)		2
-10C	424-051	. . COTTER PIN - (MS24665-132)		2
11	62833-078	. . WASHER		8
12	587-299	. . SPRING - Seat plunger (LC 038F 6SS)		2
13	452-386	. . BEARING - (NAS506-4)		2
14	76175-000	. . PLUNGER		2
15	76172-003	. . TUBE - Bellcrank		1
16	76347-000	. . BELLCRANK ASSY - Forward		1
17	76349-000	. . BELLCRANK ASSY - Aft		1
18	76342-000	. . LINK ASSY - Seat		1
19	76343-000	. . TUBE ASSY - Forward		1
20	76351-002	. . LOCATOR		2
21	76351-003	. . LOCATOR		2
22	37848-002	. . TUBE ASSY - Aft		1
23	79229-000	. . BEARING SHAFT - Seat release, left		1
24	79230-000	. . TUBE - Seat reclining		1
25	79235-000	. . BUSHING - Seat back release, left		1
26	76176-000	. . COVER - Reclining seat		1
-26A	419-474	. . SCREW - (MS51861-12)		4
27	79442-000	. . HANDLE - Seat back adjustment		1
28	95061-161	. . SPACER - Seat		4
29	480-801	. . PIN - (MS9048-173)(1.37 L)		4
30	480-701	. . PIN - Roll (59-028-125-0625)		3
31	480-732	. . PIN - Roll (59-040-187-0937)		2
32	400-002	. . BOLT - (AN4-5A)		2
-32A	494-133	. . WASHER - Nylon (1/4 I.D.)		6
-32B	404-530	. . NUT - (MS21042-4)		2
33	401-318	. . BOLT - (AN4-20A)		2
-33A	404-530	. . NUT - (MS21042-4)		4

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
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FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
36-				
34	424-205	. . PIN - (MS20392-3C17)		2
-34A	690-611	. . WASHER - (NAS1149FO463P)		AR
-34B	690-613	. . WASHER - (NAS1149FO432P)		AR
-34C	424-051	. . COTTER PIN - (MS24665-132)		2
35	424-172	. . PIN - (MS20392-2C11)		4
-35A	690-612	. . WASHER - (NAS1149FO363P)		4
-35B	424-051	. . COTTER PIN - (MS24665-132)		4
36	95061-106	. . BUSHING		2
37	76350-000	. . BASE ASSY		1
38	79541-000	. . PLATFORM ASSY		1
39	401-318	. . BOLT - (AN4-20A)		2
-39A	477-708	. . NUT (SPS26C-048)		2
39B	471-084	. . KNOB - black (533)		1
-39C	690-659	. . WASHER - use behind knob		1
39D	406-443	. . NUT - to secure cable clamp (NAS679A3W)		2
-39E	454-887	. . CLAMP - to secure cable		2
-39F	690-609	. . WASHER - (NAS1149FO332P)		4
-39G	411-532	. . SCREW - (AS35207-263)		2
45	554-422	. CABLE ASSY - Seat track release (crew operated, length 27")		1
50	02585-004	LUMBAR ASSY - Pilot seat (optional)		1
-50A	02585-005	LUMBAR ASSY - Co-pilot seat (optional)		1
-50B	454-935	.CLAMP		2
-50C	411-536	. SCREW - (MS35207-267)		1
-50D	690-612	. WASHER - (NAS1149FO363P)		1
-50E	404-526	. NUT - (MS21042-3)		1
-50F	63900-079	. BUSHING		1
-50G	02585-006	. PAD		1
50H	686-207	. BLADDER (ILS3)		1
50J	686-208	. PUMP BULB - (ILSHPB & ILSCV)		1
-50K	592-683	. VALVE - Lumbar air release		1

-Item not illustrated

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

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AIRPLANE PARTS CATALOG**

SECTION VI

INSTRUMENTS GROUP

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

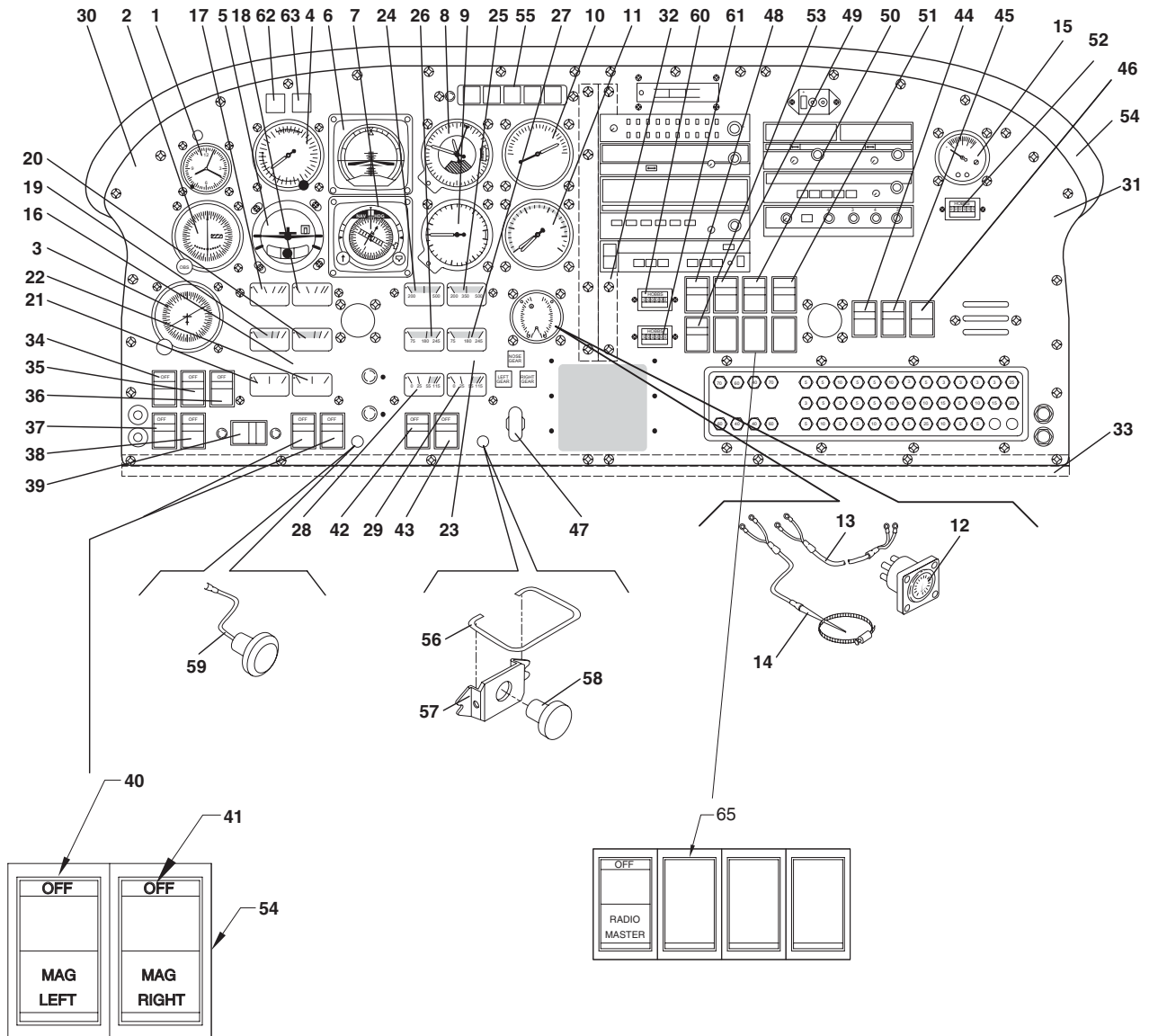


Figure 37. Instrument Panel Installation

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
37	89357 (L) 89349 (N) 89280 (BH) 104831	DRAWING - Instrument Panel Installation DRAWING - Instrument Panel Assy DRAWING - Electrical Installation DRAWING - KR-87 KING - ADF Installation		
1	548-868	INSTRUMENT - Clock		1
-1A	515-710	SCREW		4
2	548-289	INSTRUMENT - Navigation Indicator		1
3	598-180	INSTRUMENT - ADF Indicator	4496001 thru 4496221	1
3	598-181	INSTRUMENT - ADF Indicator	4496222 and up	1
4	548-276	INSTRUMENT - True airspeed, knots		1
-4A	520-009	SCREW		3
5	548-190	INSTRUMENT - Turn and bank		1
-5A	520-009	SCREW		4
6	598-556	INSTRUMENT - Altitude Gyro		1
-6A	515-709	SCREW		3
7	548-435	INSTRUMENT - Directional Gyro		1
-7A	486-111	SCREW		4
8	548-330	INSTRUMENT - Altimeter	4996001 thru 4996030	1
8	599-549	INSTRUMENT - Altimeter, sensitive (Scale in inches of mercury and millibars to 20,000 feet)	4996031 and up	1
-8A	520-009	SCREW		3
9	550-556	INSTRUMENT - Vertical speed		1
-9A	520-009	SCREW		3
10	548-249	GAUGE ASSY - Dual manifold pressure		1
-10A	515-712	SCREW		4
11	599-540	INSTRUMENT - Dual tachometer		1
-11A	687-290	INSTRUMENT - Dual tachometer (Suitable substitute)		1
-11B	486-111	SCREW		4
12	89359-002	INDICATOR - Exhaust gas temperature E.G.T.		1
13	89359-004	. LEAD ASSY - E.G.T.		2
14	89359-005	. PROBE ASSY - E.G.T.		2
15	96395-000	INSTRUMENT - Dual vacuum gauge		1
-15A	520-009	SCREW		3
-15B	515-714	SCREW		4
16	89257-007	CLUSTER ASSY - Instrument, left		1
-16A	548-923	CLUSTER ASSY - Instrument (Secondary)		1
17	461-707	. GAUGE - Left Fuel Quantity (6246-00554)		1
18	461-706	. GAUGE - Right Fuel Quantity - (6246-00562)		1
19	461-708	. GAUGE - Left Fuel Pressure		1
20	461-709	. GAUGE - Right Fuel Pressure		1
21	548-913	. GAUGE - Ammeter, Left		1
22	548-912	. GAUGE - Ammeter, Right		1
-22A	515-714	SCREW		4
23	89257-006	CLUSTER ASSY - Instrument, right		1
24	558-006	. GAUGE - Cylinder Head Temperature, Left		1
25	558-007	. GAUGE - Cylinder Head Temperature, Right		1
26	478-650	. GAUGE - Oil Temperature, Left		1
27	478-651	. GAUGE - Oil Temperature, Right		1
28	478-648	. GAUGE - Oil Pressure, Left		1
29	478-649	. GAUGE - Oil Pressure, Right		1
30	89345-002	PANEL ASSY - Instrument panel, left		1
31	89346-002	PANEL ASSY - Instrument panel, right		1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
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FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
37-				
32	89352-002	SUPPORT ASSY - Instrument panel		1
32	89352-004	SUPPORT ASSY - Instrument panel (To be used when the radio stack is opened up to the maximum height)	4496030 and up	1
33	89351-002	CHANNEL ASSY - Instrument panel		1
34	84622-004	CAP - Battery master switch		1
35	84622-070	CAP - Alternator switch, left		1
36	84622-071	CAP - Alternator switch, right		1
37	84622-008	CAP - MAG switch, left side (left engine)		1
38	84622-009	CAP - MAG switch, right side (left engine)		1
39	689-918	CAP - Starter switch (84622-074)		1
40	84622-008	CAP - MAG switch, left side (right engine)		1
41	84622-009	CAP - MAG switch, right side (right engine)		1
42	84622-072	CAP - Fuel pump switch, left		1
43	84622-073	CAP - Fuel pump switch, right		1
44	84622-025	CAP - Pitot heat switch		1
45	84622-069	CAP - Cabin heat switch		1
46	79293-004	CAP - High rec/blower low switch		1
47	67439-002	SELECTOR - Gear		1
48	84622-010	CAP - Landing light switch		1
49	84622-013	CAP - Navigation light switch		1
50	84622-012	CAP - Strobe light switch	4496001 thru 4496030	1
51	84622-052	CAP - Recognition light switch		1
52	550-580	INDICATOR - Engine hour meter (51006-000)		1
-52A	486-156	SCREW		2
53	84622-017	CAP - Radio master switch		1
54	463-630	GUARD - (CHR49-5473)		4
55	89340-002	PANEL ASSY - Annunciator (See Figure 69 for electrical components)		1
56	96166-000	CLIP - Retainer		1
57	96167-000	RETAINER		1
58	63902-029	CABLE ASSY - Landing gear dump valve (See Figure 62 for component parts)		1
59	653-620	CABLE ASSY - Park brake control		1
60	550-580	INDICATOR - Flight time meter (51006-000)		1
-60A	486-156	SCREW		2
61	550-580	INDICATOR - Heater meter (51006-000)	4496001 thru 4496030	1
62	89998-002	CAP - Gear warn mute (See Figure 69 for electrical components)		1
63	86674-002	HEATER - Defroster control assy		1
64	472-848	LIGHT - Indicator, warn. gear unsafe (67422-011) (See Figure 69 for electrical components)		1
65	687-211	SPACER - (47-21971)		3
-66	472-151	LAMP		36

-Item not illustrated

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

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AIRPLANE PARTS CATALOG**

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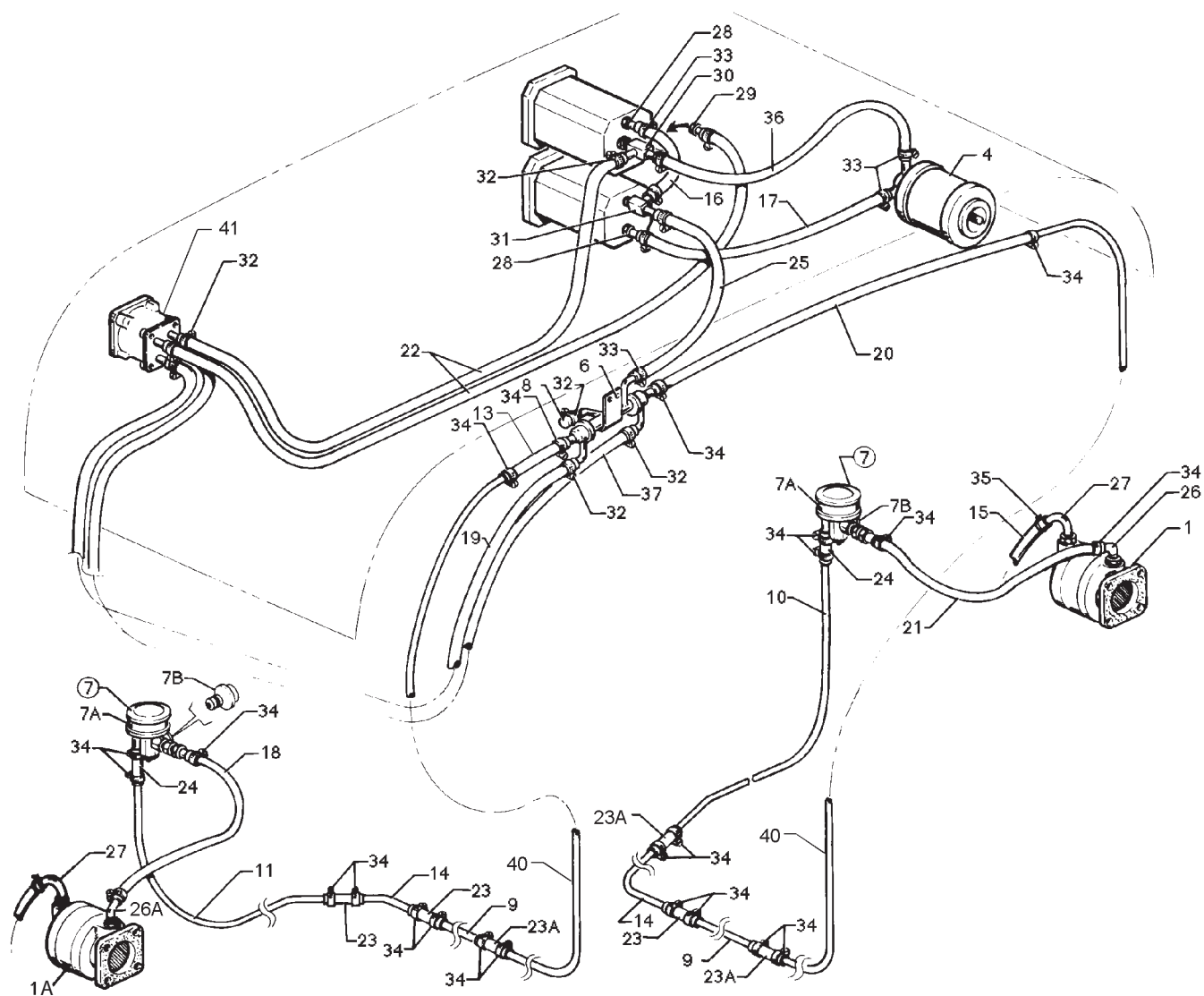


Figure 38. Vacuum System Installation

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
38	86365 (AD)	DRAWING - Vacuum System Installation		
1	79399-005	PUMP - Dry air, left - (461-763)		1
1A	79399-006	PUMP - Dry air, right - (461-762)		1
-2	DELETED			
-3	DELETED			
4	460-888	FILTER ASSY - Air (66673-000)	4496031 and up	1
-4A	757-899	. CARTRIDGE - Air filter	4496031 and up	1
-5	DELETED			
6	492-184	CHECK VALVE AND MANIFOLD ASSY (1H5-8)		1
-6A	415-535	SCREW - (MS35206-245)		2
-6B	690-616	WASHER - (NAS1149FN832P)		2
-6C	404-529	NUT - (MS21042-08)		2
7	484-091	VALVE - Pressure regulator (2H3-27)		2
7A	560-710	. FILTER - Foam (1J7-2)		1
7B	404-526	NUT - (MS21042-3)		1
-7C	408-044	WASHER - (MS35333-39)		1
8	96268-000	PLUG ASSY - Vacuum manifold		1
9	37343-050	TUBE - Vacuum		2
10	37343-051	TUBE - Vacuum, left		1
11	37343-052	TUBE - Vacuum, right		1
-12	DELETED			
13	63913-207	HOSE - Vacuum		1
14	37343-102	TUBE - Vacuum		2
15	63904-029	HOSE - Vacuum		2
16	63913-007	HOSE - Vacuum	4496031 and up	2
17	63913-044	HOSE - Vacuum	4496031 and up	1
18	63913-156	HOSE - Vacuum		1
-18A	63913-086	HOSE - Vacuum		1
-18B	477-850	NUT - (MS27151-12)		8
19	63913-174	HOSE - Vacuum		1
20	63913-208	HOSE - Vacuum		1
21	63913-156	HOSE - Vacuum		1
22	63913-049	HOSE - Vacuum		2
23	63913-153	HOSE - Vacuum		4
23A	63913-212	HOSE - Vacuum		2
24	63913-154	HOSE - Vacuum		2
25	63913-155	HOSE - Vacuum		1
26	458-958	ELBOW - (1K1-6-10)		2
26A	651-523	FITTING - (1K1-6-10)		1
27	558-901	FITTING - (1K1-6-8)		2
28	560-835	FITTING - (1K31-4-6-4)		1
29	451-881	FITTING - (1K10-2-4)		1
30	451-939	FITTING - (1K10-4-6)		2
31	460-585	FITTING - (1K31-4-6-6)	4496031 and up	1
32	654-096	CLAMP		9
33	554-678	CLAMP		12
34	554-552	CLAMP		13
35	454-862	CLAMP		2
-35A	554-552	CLAMP		13
36	63913-050	HOSE - Vacuum		1
37	63913-175	HOSE - Vacuum		1
-38	DELETED			
-39	DELETED			

-Item not illustrated

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

**THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG**

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
38-				
40	37343-063	TUBE - Vacuum		2
41	96395-000	GAGE - Dual vacuum		1
-41A	419-588	SCREW - (AN530-6R8)		4
-42	434-138	GROMMET - (MS35489-17)		4

-Item not illustrated

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

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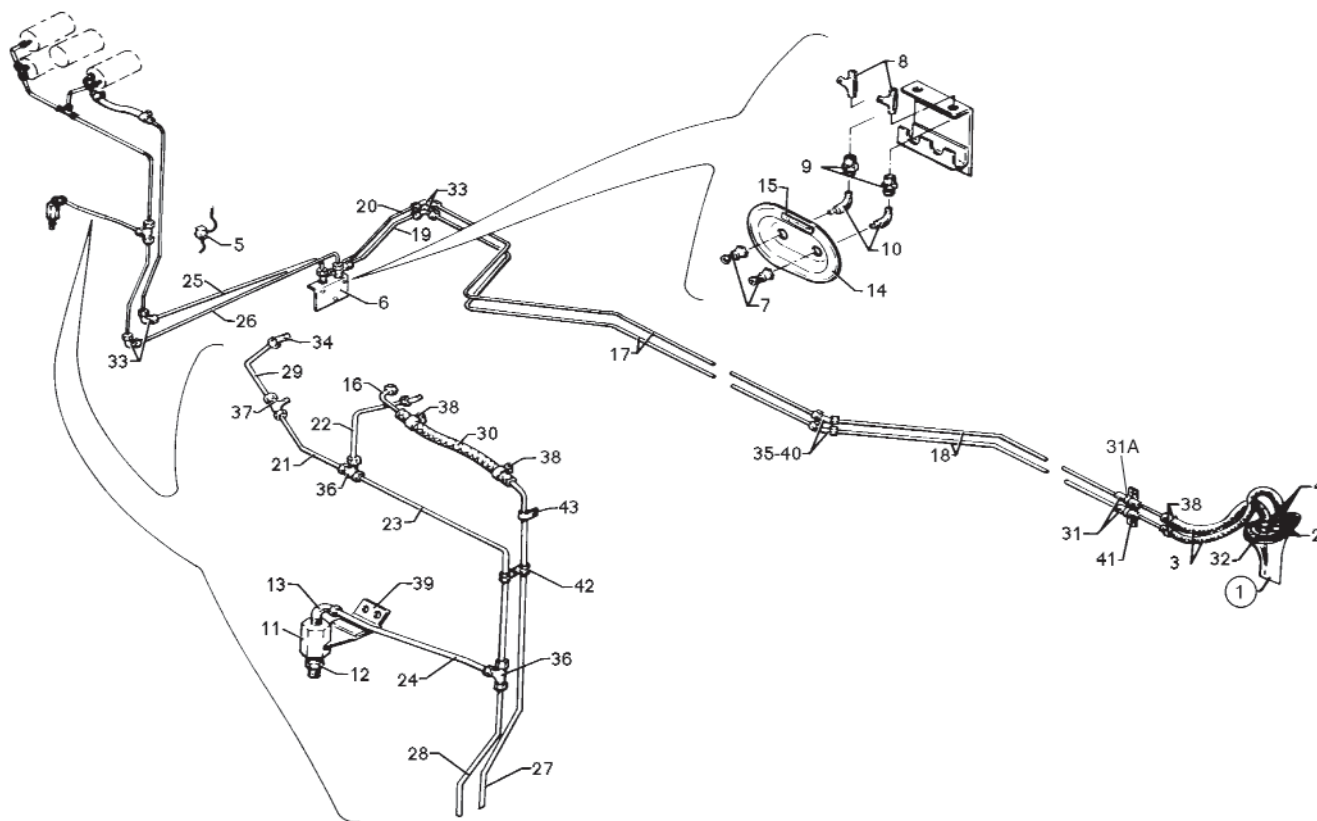


Figure 39. Pitot Static System Installation
(Sheet 1 of 2)

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

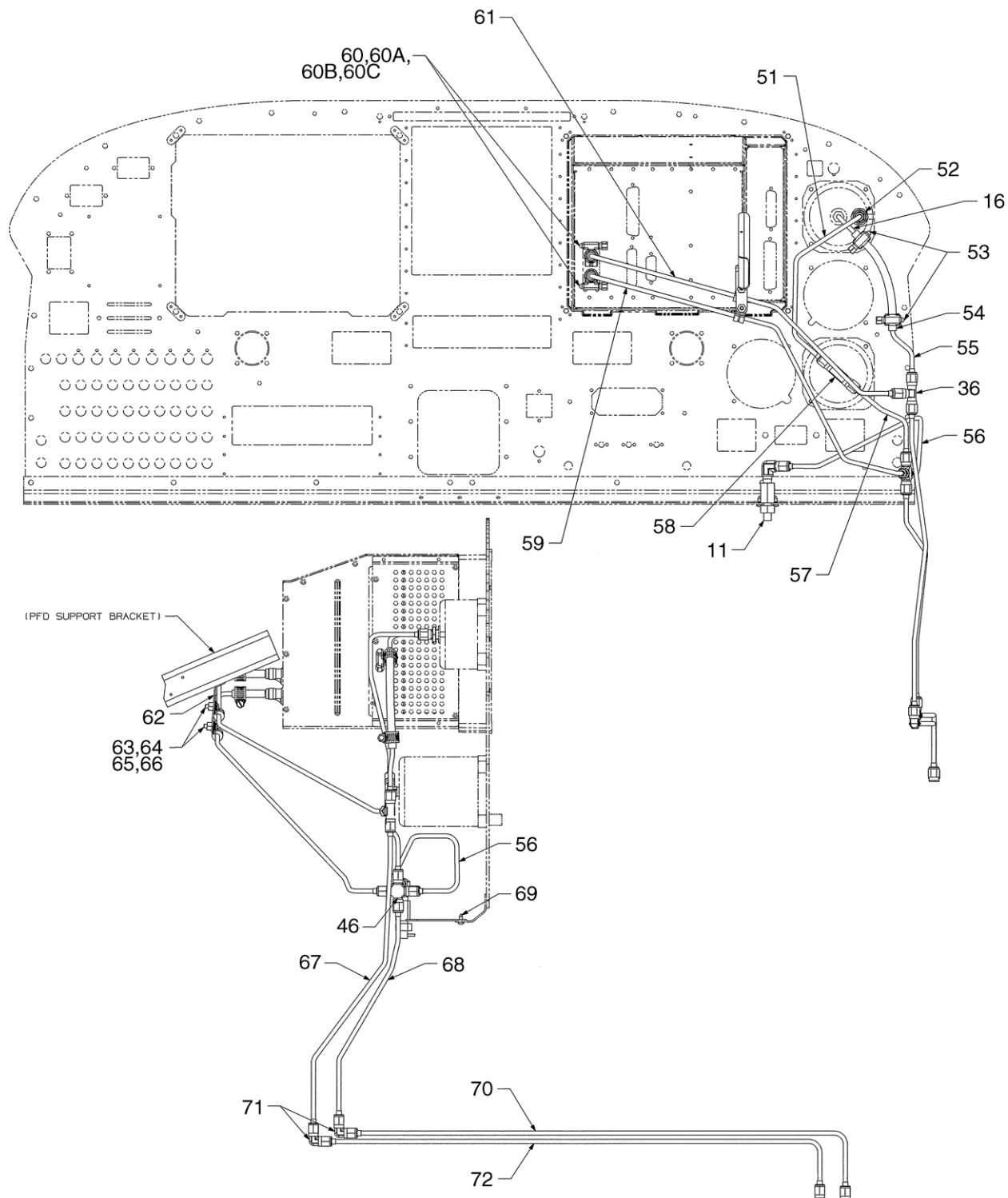


Figure 39. Pitot Static System Installation (with Entegra)
 (Sheet 2 of 2)

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
39	86194 (AA)	DRAWING - Pitot Static System Installation		
1	96393-003	HEAD ASSY - Pitot (unheated)	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
1	96392-015	HEAD ASSY	4496174, 4496224 and up (with Entegra)	1
-1A	96392-007	HEAD ASSY - Pitot (heated)	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
2	556-105	. CONNECTOR		2
3	63913-034	. HOSE - Pitot air		2
4	554-575	. CLAMP		2
-4A	99057-005	. HEATED HEAD		1
-4B	488-463	. TERMINAL	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
-4C	588-330	. TERMINAL	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
-4D	585-012	. TERMINAL - (327583)	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
-4E	554-575	. CLAMP		2
-4F	565-376	. CONNECTOR - Socket (1-480349-0)	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
-4G	565-375	. CONNECTOR - Pin (1-480351-0)	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
-4H	464-356	. HEATER CARTRIDGE		1
-4J	464-357	. HEATER CARTRIDGE		1
5	99377-004	SWITCH - Pitot heat	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
-5A	515-721	SCREW - (MS35206-234)		3
-5B	415-544	SCREW - (MS35206-244)		2
6	35574-000	SUMP ASSY - Pitot static		1
-6A	690-619	. WASHER - (NAS1149F0532P)		2
7	492-241	. VALVE		2
8	488-310	. TEE - (AN826-3D)		2
9	455-173	. COUPLING - (AN910-1D)		2
10	35696-002	. ELBOW		2
-10A	454-933	. CLAMP		2
-10B	415-536	. SCREW - (MS35206-246)		1
-10C	477-729	. NUT - (MS20341-8S)		1
-10D	690-616	. WASHER - (NAS1149FN832P)		1
-10E	404-529	. NUT - (MS21042-08)		1
-10F	463-390	. GROMMET - (1659)		2
11	96143-011	VALVE ASSY - Static air vent		1
12	492-100	. VALVE - (CCA-7450)		1
13	558-807	. ELBOW - (MS20822-3D)		1
-13A	96143-010	. BRACKET ASSY		1
-13B	406-367	. NUT - (A8177-6Z-3)		1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
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FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
39-				
14	35507-002	COVER ASSY - Pitot static drain (When ordering, specify color)		1
15	69669-115	. PLACARD - Pitot static system drain (See Figure 77)		RF
16	63207-000	TUBE - Pitot		1
17	37343-045	TUBE ASSY - Pitot static and pressure		2
-17A	434-192	GROMMET - (MS354889-134S)		4
18	37343-046	TUBE ASSY - Pitot static and pressure		2
-18A	406-432	SPEED NUT - (C8020-632-373)		2
19	37343-047	TUBE ASSY - Pitot static		1
20	37343-048	TUBE ASSY - Pitot pressure		1
21	83744-144	TUBE ASSY - Pitot static	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
22	83744-143	TUBE ASSY - Pitot static	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
23	67700-422	TUBE ASSY - Pitot static	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
24	67700-172	TUBE ASSY - Pitot static	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
25	37343-041	TUBE ASSY - Pitot pressure	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
26	37343-042	TUBE ASSY - Pitot static	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
27	37343-040	TUBE ASSY - Pitot pressure	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
28	67700-129	TUBE ASSY - Pitot static	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
29	95153-101	TUBE ASSY - Pitot static	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
-29A	95153-158	TUBE ASSY - Pitot static (Used if encoding altimeter is installed)	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
30	63913-106	HOSE - Pitot pressure	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
31	63913-163	HOSE		2
31A	488-722	TIE CABLE - (MS3367-4-9)		2
32	69042-000	GASKET - Pitot head (Used if heated pitot head is installed)		1
33	458-879	ELBOW - (AN821-3D)		4
34	558-807	ELBOW - (MS20822-3D)	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
35	458-909	ELBOW - (AS1040D0303)		2
36	477-617	TEE - (AS5178D03)		1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
39-				
37	691-218	TEE - (MS20825-3D)	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
-37A	491-059	UNION - (AN832-3D) (Required for optional rate of climb indicator)		1
38	554-575	CLAMP		4
39	78113-000	CLIP ASSY - Alternate static source		1
-39A	419-625	SCREW		1
-39B	494-003	WASHER		2
40	690-629	WASHER - (NAS1149F0663P)		2
-40A	477-617	NUT - (AS5178D03)		2
41	488-706	PLATE - Mounting (MS3339-2-9)		1
-41A	415-520	SCREW - (MS35206-230)		2
-41B	404-528	NUT - (MS21042-06)		2
42	454-928	CLAMP		2
-42A	411-532	SCREW - (MS35207-263)	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
-42B	690-639	WASHER - (NAS1149FN616P)	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
-42C	690-640	WASHER - (NAS1149FN632P)	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
-42D	404-526	NUT - (MS21042-3)	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
43	554-953	CLAMP	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
-43A	411-533	SCREW - (MS35207-264)	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
-43B	690-609	WASHER - (NAS1149F0332P)	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
-43C	404-528	NUT - (MS21042-06)		1
44	84015-083	TUBE ASSY - Auto-pilot option	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
45	69015-079	HOSE - Auto-pilot option	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
46	455-417	CROSS - (AN827-3D)		1
-47	415-518	SCREW - (MS35206-228)		8
-48	415-520	SCREW - (MS35206-230)		2
-49	519-751	SCREW - (MS24617-10)		2
-50	587-603	SUPPORT - (TC-131)		8
-50A	415-517	SCREW - (MS35206-227)		2
-50B	404-528	NUT - (MS21042-06)		2
-50C	587-690	TY-RAP - (MS3367-5-9)		AR
51	83744-266	TUBE ASSY	4496174, 4496224 and up (with Entegra)	1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
39-				
52	476-647	NIPPLE - (AN816-3D)	4496174, 4496224 and up (with Entegra)	1
53	554-575	CLAMP	4496174, 4496224 and up (with Entegra)	2
54	63913-172	HOSE	4496174, 4496224 and up (with Entegra)	1
55	83744-267	TUBE ASSY	4496174, 4496224 and up (with Entegra)	1
56	83744-274	TUBE ASSY	4496174, 4496224 and up (with Entegra)	1
57	83744-265	TUBE ASSY	4496174, 4496224 and up (with Entegra)	1
58	691-218	TEE - (MS20825-3D)	4496174, 4496224 and up (with Entegra)	1
59	102641-110	TUBE ASSY	4496174, 4496224 and up (with Entegra)	1
60	602-828	CONNECTOR - (PMC1703)	4496174, 4496224 and up (with Entegra)	2
60A	488-702	TIE - (MS3367-1-9)	4496174, 4496224 and up (with Entegra)	2
60B	63913-163	HOSE	4496174, 4496224 and up (with Entegra)	2
60C	554-575	CLAMP	4496174, 4496224 and up (with Entegra)	2
61	102641-111	TUBE ASSY	4496174, 4496224 and up (with Entegra)	1
62	102660-005	BRACKET	4496174, 4496224 and up (with Entegra)	1
63	415-535	SCREW - (MS35206-245)	4496174, 4496224 and up (with Entegra)	2
64	690-616	WASHER - (NAS1149FN832P)	4496174, 4496224 and up (with Entegra)	2
65	404-489	NUT - (MS21044N08)	4496174, 4496224 and up (with Entegra)	2
66	454-928	CLAMP	4496174, 4496224 and up (with Entegra)	2
67	83744-281	TUBE ASSY	4496174, 4496224 and up (with Entegra)	1
68	83744-282	TUBE ASSY	4496174, 4496224 and up (with Entegra)	1
69	519-751	SCREW - (MS24617-10)	4496174, 4496224 and up (with Entegra)	2
70	83744-280	TUBE ASSY	4496174, 4496224 and up (with Entegra)	1
71	458-879	ELBOW - (AN821-3D)	4496174, 4496224 and up (with Entegra)	2
72	83744-279	TUBE ASSY	4496174, 4496224 and up (with Entegra)	1

-Item not illustrated

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

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PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG**

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SECTION VII

POWERPLANT GROUP

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

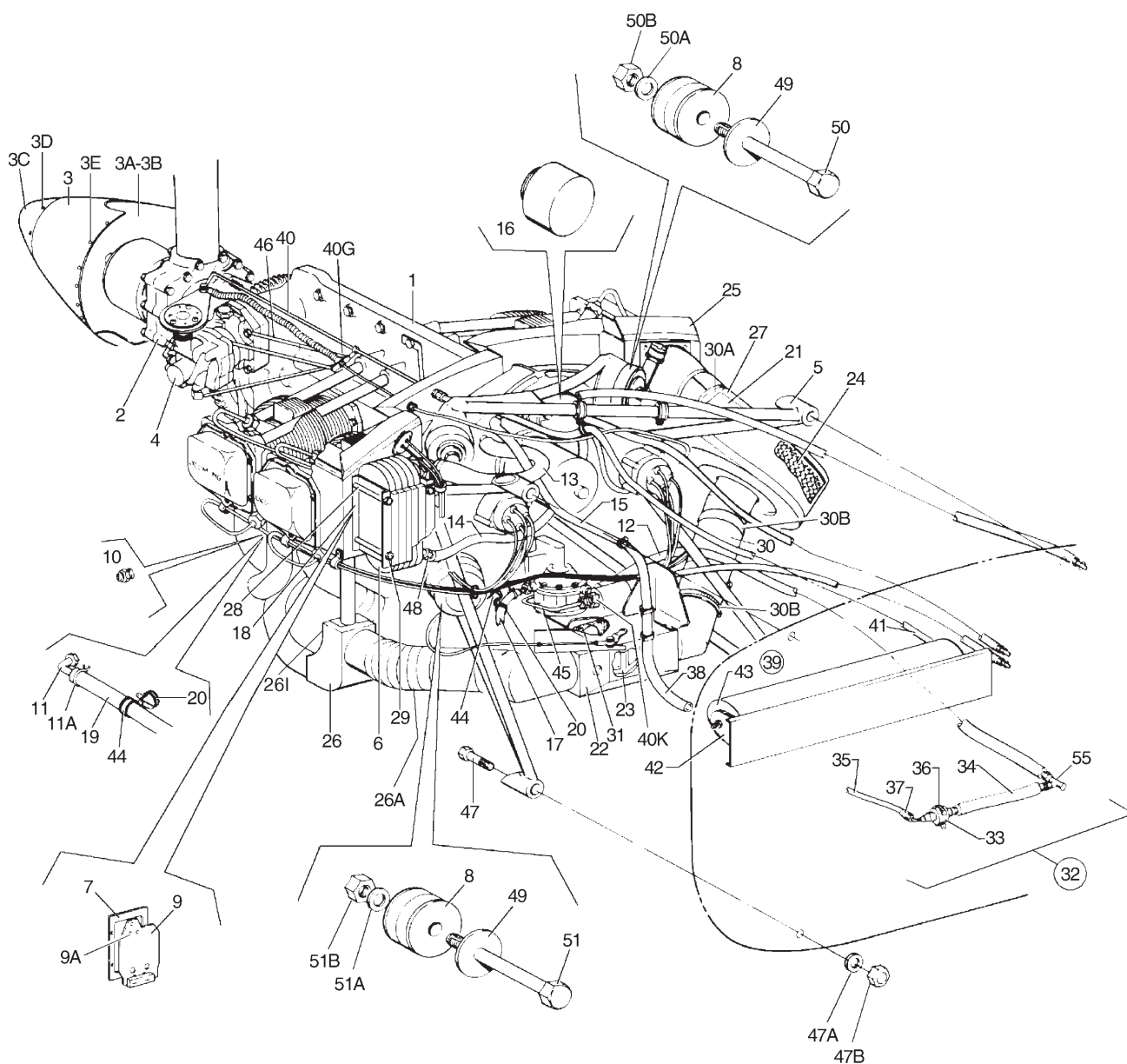


Figure 40A. Power Plant Installation (Left engine)

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
40A	89360 (AA)	DRAWING - Power Plant Installation		
	85264 (A)	DRAWING - Induction System Installation		
	89362 (C)	DRAWING - Accumulator Unfeathering System Installation		
	89367 (G)	DRAWING - Primer System Installation		
	89364 (G)	DRAWING - Carburetor Heat Shroud Installation		
1	680-439	ENGINE ASSY - Lycoming, left (O-360-A1H6)		1
2	550-979	PROPELLER ASSY - Hartzell, two-blade (HC-C2Y (K,R)-2 CEUF/FC 7666A-2R), left (See Figure 46 for component parts)		1
3	86200-008	SPINNER ASSY - Propeller, left		1
3A	758-470	. BULKHEAD - Spinner, aft (C-2283-9)		1
3B	763-465	. PLATE - Filler, aft (B-4244-1)		1
3C	763-297	. CAP - Spinner (B-3242)		1
3D	414-763	. SCREW - (MS24693-S50)		3
3E	411-532	. SCREW - (MS35207-263)		16
-3F	756-669	. WASHER - (A-1020)		16
-3G	494-101	. WASHER		3
4	37845-013	GOVERNOR ASSY - Propeller, left		1
5	89361-016	MOUNT ASSY - Engine (J-9613-40) (Reference Piper Service Bulletins 1033 and 1151 - latest revision)		1
6	16599-000	COOLER ASSY - Oil		1
7	38155-000	SEAL ASSY - Oil cooler		1
8	475-124	MOUNTING KIT - Engine (J-9613-40)		4
9	86694-002	PLATE - Oil cooler, winterization		1
9A	411-530	SCREW - (MS35207-261)		1
10	492-172	VALVE - Oil drain (IH50-1)		1
11	24995-000	VALVE - Fuel drain		1
11A	454-983	CLAMP		1
12	56958-056	HOSE ASSY - Fuel, left		1
13	63901-172	HOSE ASSY - Oil cooler		1
13A	454-985	CLAMP		2
-13B	476-688	UNION - (AN816-8)		1
14	56958-058	HOSE ASSY - Oil cooler to filter		1
-14A	476-688	UNION - (AN816-8)		1
15	63913-206	HOSE - Oil breather		1
16	-----	ALTERNATOR INSTALLATION		RF
-16A	454-985	CLAMP		2
-16B	63633-009	HOSE		1
17	63913-166	HOSE		1
-17A	477-631	NUT - (AS5178-06)		1
-17B	454-833	CLAMP - (SAE TY-E6)		1
18	38155-000	SEAL ASSY		1
19	63913-070	HOSE - Drain		1
20	454-933	CLAMP		5
21	23883-006	BOX ASSY - Air filter		1
-21A	454-862	CLAMP		2
-21B	400-438	BOLT - (AN3-4A)		3
-21C	690-612	WASHER - (NAS1149F0363P)		5
-21D	404-526	NUT - (MS21042-3)		5
-21E	411-532	SCREW - (MS35207-263)		2
22	86245-041	BOX ASSY - Carburetor air		1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
40A-				
-22A	86245-042	. END CAP ASSY		1
-22B	86245-043	. END CAP ASSY		1
-22C	189-625	. GROMMET		2
23	87327-003	. VALVE ASSY - Carburetor air box		1
-23A	415-517	SCREW - (MS35206-227)		12
-23B	408-051	WASHER - (MS3533-40)		4
-23C	404-919	BOLT - UTV		4
24	460-630	FILTER - Air (CA 144 PL)		1
25	85264-003	INTAKE ASSY - Induction air		1
-25A	415-499	SCREW		4
-25B	404-529	NUT - (MS21042-08)		4
-25C	690-618	WASHER - (NAS1149FN816P)		4
26	89364-003	SHROUD ASSY - Carburetor heat		1
26A	99849-005	HOSE		1
26B	454-864	CLAMP		2
-26C	403-051	BOLT - (AN3-C4A)		2
-26D	403-053	BOLT - (AN3-C6A)		2
-26E	690-617	WASHER - (NAS1149CO363R)		8
-26F	404-526	NUT - (MS21042-3)		4
-26G	690-640	WASHER - (NAS1149FN632P)		4
-26H	422-220	RIVET - (MS20615-4M4)		4
26I	89364-005	COVER - Carb heat box shroud		1
27	67745-000	COVER - Air filter box		1
28	86062-094	SPACER - Oil cooler		4
29	400-464	BOLT - (AN3-41A)		4
-29A	690-612	WASHER - (NAS1149F0363P)		7
-29B	690-609	WASHER - (NAS1149F0332P)		11
-29C	404-526	NUT - (MS21042-3)		15
30	63633-201	HOSE - Flexible, air filter box to carburetor air box		1
30A	63633-200	HOSE - Flexible, baffle to air filter box		1
30B	454-864	CLAMP - Air filter box to carburetor air box		2
-30C	554-804	CLAMP - Baffle to air filter box (SAE TYA 3 5/8)		2
31	86201-009	GASKET - Carburetor air box		1
32	89367-002	PRIMER SYSTEM - Left side		1
33	86875-002	VALVE - Solenoid		1
-33A	411-533	SCREW - (MS35207-264)		1
-33B	690-612	WASHER - (NAS1149F0363P)		1
34	63901-144	HOSE ASSY - Fuel pressure gauge		2
35	63901-200	HOSE ASSY - Fuel primer		1
		(Reference Piper Service Letter #1060 - Latest Rev.)		
36	554-941	CLAMP		1
37	458-872	ELBOW - (MS20822-20)		1
38	89365-003	TUBE - Oil breather, with winterization kit		1
-38A	89365-002	TUBE - Oil breather		1
-38B	411-532	SCREW - (MS35207-263)		2
-38C	690-609	WASHER - (NAS1149F0332P)		2
-38D	454-977	CLAMP		2
39	-----	ACCUMULATOR - Unfeathering system		RF
40	84015-080	TUBE - Accumulator		1
-40A	599-341	FITTING - (AN832-5)		1
-40B	454-931	CLAMP		1
-40C	411-532	SCREW - (MS35207-263)		1
-40D	404-526	NUT - (MS21042-3)		1
-40E	506-681	NUT - (AS5178-05)		1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
40A-				
-40F	507-569	WASHER - (AN960-816)		2
-40G	89362-004	BRACE		1
-40H	458-874	ELBOW - 90 degrees (AN822-5)		1
-40J	553-717	BUSHING - (AN912-1)		1
40K	476-678	UNION - (AN816-6)	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
41	56958-052	HOSE ASSY - Accumulator		1
-41A	559-065	ELBOW - 90 degrees		1
-41B	454-868	CLAMP - (AN822-5-4)		4
-41C	404-526	NUT - (MS21042-3)		2
-41D	411-532	SCREW - (MS32507-263)		2
42	87756-002	BRACKET - Accumulator		1
43	451-828	ACCUMULATOR - (McCauley)(D20816)		1
-43A	411-533	SCREW - (MS35207-264)		4
-43B	690-612	WASHER - (NAS1149F0363P)		12
-43C	404-526	NUT - (MS21042-3)		4
44	454-862	CLAMP		4
45	84015-079	TUBE ASSY	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
45	102641-114	TUBE ASSY	4496174, 4496224 and up (with Entegra)	1
-45A	102641-115	TUBE ASSY	4496174, 4496224 and up (with Entegra)	1
-45B	84522-003	TRANSDUCER ASSY - Fuel flow	4496174, 4496224 and up (with Entegra)	1
-45C	DELETED			
-45D	DELETED			
-45E	DELETED			
-45F	DELETED			
46	89710-002	BRACKET		1
47	401-389	BOLT - (AN6-11A)		4
47A	690-629	WASHER - (NAS1149F0663P)		8
47B	404-563	NUT - (MS21045-6)		4
48	559-076	ELBOW (AS5196-0806)		1
49	85012-101	WASHER - Engine mount		2
50	401-545	BOLT - Top (AN7-45A)		2
50A	690-630	WASHER - Top (NAS1149F0763P)		4
50B	599-444	NUT - Top (MS21044N7)		4
-50C	62833-140	WASHER		2
51	401-546	BOLT - Bottom (AN7-46A)		2
51A	690-630	WASHER - Bottom (NAS1149F0763P)		4
51B	599-444	NUT - Bottom (MS21044N7)		4
-51C	62833-140	WASHER		2
-52	411-530	SCREW - (MS35207-261)		4
-53	89366-002	EXHAUST SYSTEM INSTALLATION (See Figure 42 for component parts)		RF
-54	86203-091	BAFFLE INSTALLATION (See Figure 43 for component parts)		RF
55	488-489	TEE		1
-56	690-611	CLAMP - (spark plug wires to cyl. heads)		4

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

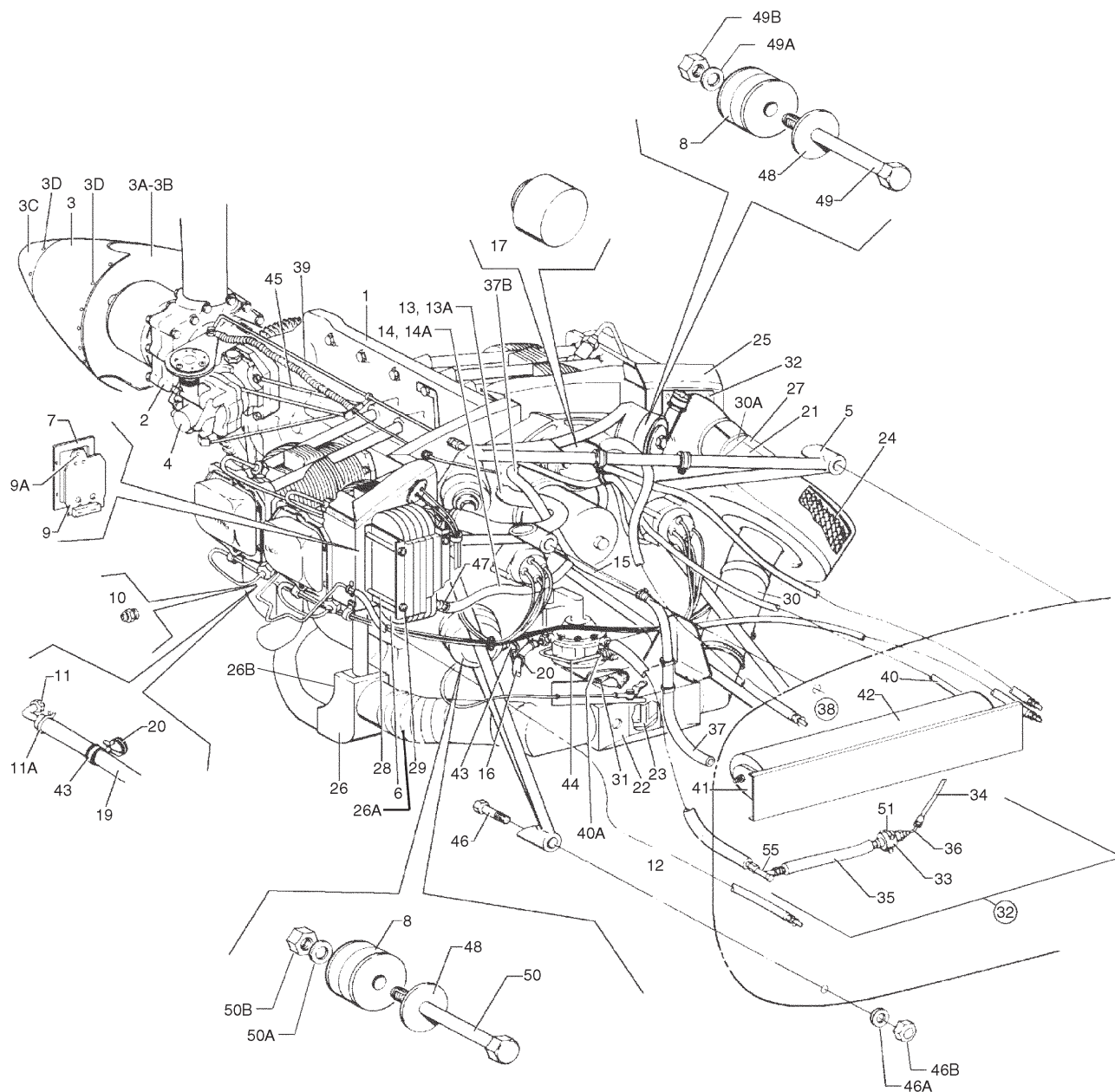


Figure 40B. Power Plant Installation (Right engine)

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
40B	89360 (AA)	DRAWING - Power Plant Installation		
	85264 (A)	DRAWING - Induction System Installation		
	89362 (C)	DRAWING - Accumulator Unfeathering System Installation		
	89367 (G)	DRAWING - Primer System Installation		
	89364 (G)	DRAWING - Carburetor Heat Shroud Installation		
1	-----	ENGINE ASSY - Lycoming, right (LO-360-A1H6)		RF
2	550-980	PROPELLER ASSY - Hartzell, two-blade (HC-C2Y(K,R)-2CLEUF/FJC7666A-2R), right (See Figure 46 for component parts)		1
3	86200-009	SPINNER ASSY - Propeller, right		1
3A	758-470	. BULKHEAD - Spinner, aft (C-2283-9)		1
3B	763-465	. PLATE - Filler, aft (B-4244-1)		1
3C	763-297	. CAP - Spinner (B-3242)		1
3D	414-763	. SCREW - (MS24693-S50)		3
3E	411-532	. SCREW - (MS35207-263)		16
3F	756-669	. WASHER - (A-1020)		16
3G	494-101	. WASHER		3
4	37845-014	GOVERNOR ASSY - Propeller, right		1
5	89361-016	MOUNT ASSY - Engine (J-9613-40) (Reference Piper Service Bulletins 1033 and 1151 - latest revision)		1
6	16599-000	COOLER ASSY - Oil		1
7	38155-000	SEAL ASSY - Oil cooler		1
8	475-124	MOUNTING KIT - Engine (J-9613-40)		4
9	86694-002	PLATE - Oil cooler, winterization		1
9A	411-530	SCREW - (MS35207-261)		1
10	492-172	VALVE - Oil drain (1H50-1)		1
11	24995-000	VALVE - Fuel drain		1
-11A	454-983	CLAMP - (SAE TY-E8)		1
12	56958-056	HOSE ASSY - Fuel, right		1
13	56958-053	HOSE ASSY - Oil cooler		1
13A	476-688	UNION - (AN816-8)		1
14	56958-058	HOSE ASSY - Oil cooler to filter		1
14A	476-688	UNION - (AN816-8)		1
15	63913-206	HOSE - Oil breather		1
16	63913-174	HOSE		1
-16A	458-948	ELBOW - (1K1-2-4)		1
-16B	558-829	ELBOW - (6C50X-5)		2
17	-----	ALTERNATOR INSTALLATION		RF
-17A	63633-009	HOSE		1
-17B	454-985	CLAMP		2
-18	DELETED			
19	63913-070	HOSE - Drain		1
20	454-933	CLAMP		4
21	23883-006	BOX ASSY - Air filter		1
22	86245-041	BOX ASSY - Carburetor air		1
-22A	86245-042	. END CAP ASSY		1
-22B	86245-043	. END CAP ASSY		1
-22C	189-625	. GROMMET		2
23	87327-003	. VALVE ASSY - Carburetor air box		1
24	460-630	FILTER - Air (CA 144 PL)		1
25	85264-003	INTAKE ASSY - Induction air		1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
40B-				
26	89364-003	SHROUD ASSY - Carburetor heat		1
26A	99849-005	HOSE		1
26B	89364-005	COVER - Carb heat box shroud		1
27	67745-000	COVER - Air filter box		1
28	86062-094	SPACER - Oil cooler		4
29	400-464	BOLT - (AN3-41A)		4
-29A	690-612	WASHER - (NAS1149FN363P)		7
-29B	690-609	WASHER - (NAS1149F0332P)		11
-29C	404-526	NUT - (MS21042-3)		16
30	63633-201	HOSE - Flexible, air filter box to carburetor air box		1
-30A	63633-200	HOSE - Flexible, baffle to air filter box		1
31	86201-009	GASKET - Carburetor air box		1
32	89367-003	PRIMER SYSTEM - Right side		1
33	86875-002	VALVE - Solenoid		1
-33A	411-533	SCREW - (MS35207-264)		1
-33B	690-612	WASHER - (NAS1149F0363P)		1
34	63901-201	HOSE ASSY - Fuel primer		1
35	63901-144	HOSE ASSY - Fuel pressure gauge (Ref. Piper Service Letter #1060 - Latest Revision)		1
36	559-080	ELBOW - (MS20823-2D)		1
37	89365-003	TUBE - Oil breather, with winterization kit		1
37A	89365-002	TUBE - Oil breather		1
37B	454-985	CLAMP		2
38	-----	ACCUMULATOR - Unfeathering system		RF
39	84015-080	TUBE - Accumulator		1
40	56958-052	HOSE ASSY - Accumulator		1
-40A	476-678	UNION - (AN816-6)		1
41	87756-002	BRACKET - Accumulator		1
42	451-828	ACCUMULATOR - (McCauley)(D20816)		1
-42A	411-533	SCREW - (MS35207-264)		4
-42B	690-612	WASHER - (NAS1149F0363P)		12
-42C	404-526	NUT - (MS21042-3)		4
43	454-862	CLAMP		3
44	84015-079	TUBE ASSY	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
44	102641-114	TUBE ASSY	4496174, 4496224 and up (with Entegra)	1
-44A	102641-115	TUBE ASSY	4496174, 4496224 and up (with Entegra)	1
-44B	84522-003	TRANSDUCER ASSY - Fuel flow	4496174, 4496224 and up (with Entegra)	1
45	89710-002	BRACKET		1
46	401-389	BOLT - (AN6-11A)		4
46A	690-629	WASHER - (NAS1149F0663P)		8
46B	404-563	NUT - (MS21045-6)		4
47	559-076	ELBOW - (AS5196-0806)		1
48	85012-101	WASHER - Engine mount		2
49	401-545	BOLT - Top (AN7-45A)		2
49A	690-630	WASHER - Top (NAS1149F0763P)		2
49B	599-444	NUT - Top (MS21044N7)		4
-49C	62833-140	WASHER		2
50	401-546	BOLT - Bottom (AN7-46A)		2
50A	690-630	WASHER - Bottom (NAS1149F0763P)		2
50B	599-444	NUT - Bottom (MS21044N7)		4

-Item not illustrated

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

**THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG**

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
40B-				
-50C	62833-140	WASHER		2
51	554-941	CLAMP		1
-52	411-530	SCREW - (MS35207-261)		4
-53	89366-002	EXHAUST SYSTEM INSTALLATION (See Figure 43 for component parts)		
-54	86203-091	BAFFLE INSTALLATION (See Figure 43 for component parts)		
55	488-489	TEE		1
-56	690-611	CLAMP - (spark plug wires to cyl. heads)		4

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

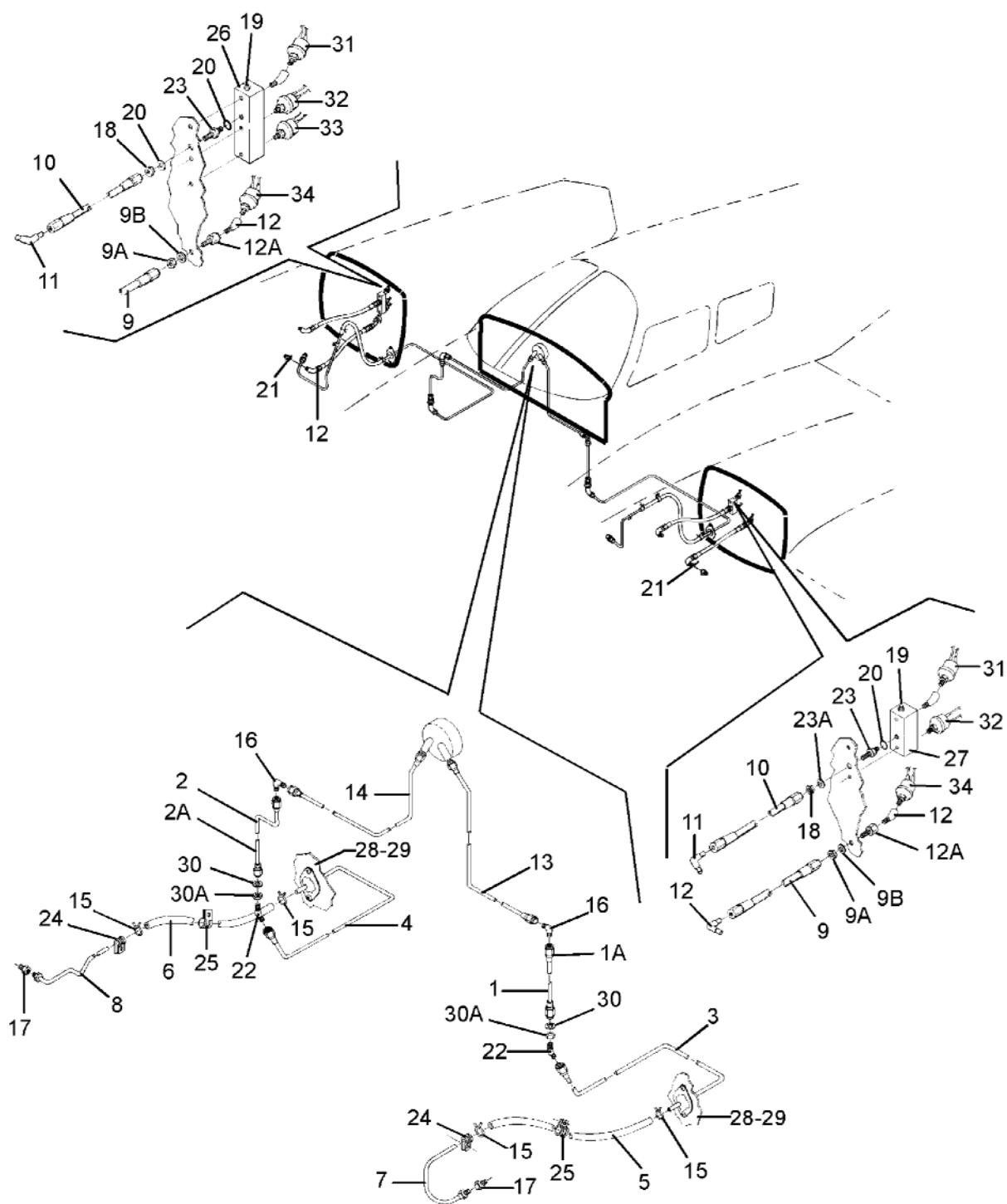


Figure 41. Engine Instrument Lines Installation

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
41	86205 (AQ) 89280 (BH)	DRAWING - Engine Instrument Lines Installation DRAWING - Electrical Installation		
1	84015-106	LINE ASSY (Reference Piper Service Letter #1027 - latest rev)		1
1A	476-608	FITTING (Reference Piper Service Letter #1027 - latest rev)		1
-1B	78651-000	FILTER HOUSING (Reference Piper Service Letter #1027 - latest rev)		1
-1C	560-686	FILTER - (1215) (Reference Piper Service Letter #1027 - latest rev. Use filter on S/N's 4496001 to 4496026 if SL 1027 is complied with)		1
-1D	84015-105	LINE ASSY (Reference Piper Service Letter #1027 - latest rev)		1
2	84015-108	LINE ASSY (Reference Piper Service Letter #1027 - latest rev)		1
2A	476-608	FITTING (Reference Piper Service Letter #1027 - latest rev)		1
-2B	78651-000	FILTER HOUSING (Reference Piper Service Letter #1027 - latest rev)		1
-2C	560-686	FILTER - (1215) (Reference Piper Service Letter #1027 - latest rev. Use filter on S/N's 4496001 to 4496026 if SL 1027 is complied with)		1
-2D	84015-107	LINE ASSY (Reference Piper Service Letter #1027 - latest rev)		1
3	37343-057	TUBE ASSY - Manifold pressure, left		1
4	37343-056	TUBE ASSY - Manifold pressure, right		1
5	63913-003	HOSE - Manifold pressure, left		1
6	63913-011	HOSE - Manifold pressure, right	4496001 thru 4496216	1
6	63913-254	HOSE - Manifold pressure, right	4496217 and up	1
7	84015-092	TUBE ASSY - Manifold pressure, left		1
8	84015-093	TUBE ASSY - Manifold pressure, right		1
9	63901-032	HOSE ASSY - Fuel and oil pressure		1
9A	561-076	FITTING - (3WGTX-WLN-S)		2
9B	690-629	WASHER - (NAS1149F0663P)		2
10	84012-026	HOSE ASSY - Fuel and oil pressure		2
11	68778-000	ELBOW		2
12	37390-002	ELBOW		1
12A	561-076	FITTING - (3WGTX-WLN-S)		2
13	84015-086	TUBE ASSY - Manifold pressure, left		1
14	84015-085	TUBE ASSY - Manifold pressure, right		1
15	454-983	CLAMP		4
16	458-880	ELBOW - (AN821-4D)		2
17	460-685	FITTING - (WGA202X4)		2
18	561-076	FITTING - (3WGTX-WLN-S)		2
19	582-223	PLUG - (MS20913-ID)		2
20	484-842	O-RING - (MS29512-04)		2
21	453-680	REDUCER - (AN912-1J)		2
22	458-910	ELBOW - (SAEAS1040D0404)		2
23	491-063	UNION - (AN832-4)		2
23A	690-630	WASHER - (NAS1149F0763P) (8 required for 4496217 and up)		4
24	454-929	CLAMP		4

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
41-				
25	454-933	CLAMP - (2 required for 4496217 and up)		3
26	86576-002	MANIFOLD - Oil pressure switch and sender		1
-26A	86700-002	BUSHING		2
-26B	690-609	WASHER - (NAS1149F0332P)		2
-26C	411-533	SCREW - (MS35207-264)		2
-26D	407-043	LOCKWASHER - (MS35338-43)		2
27	86576-003	MANIFOLD - Oil pressure switch, oil pressure sender and hour meter, right		1
-27A	86700-002	BUSHING		2
-27B	690-609	WASHER - (NAS1149F0332P)		2
-27C	411-533	SCREW - (MS35207-264)		2
-27D	407-043	LOCKWASHER - (MS35338-43)		2
28	63915-009	DISC - Firewall		4
-28A	415-536	SCREW - (MS35207-267)		4
-28B	690-616	WASHER - (NAS1149FN832P)	4496001 thru 4496216	5
-28C	404-558	NUT - (MS21045-08) (1 required for 4496217 and up)		5
29	18321-000	PLATE - Firewall	4496001 thru 4496216	4
30	690-630	WASHER - (NAS1149F0763P)		4
30A	477-621	NUT - (AS5178D08)		2
31	489-449	SENDER - Oil pressure gauge (86684-002)		2
32	587-990	SWITCH - Oil pressure annunciator (76062-15)		2
-32A	587-961	SWITCH - Oil pressure (76063-35)		1
33	688-417	SWITCH - Hour meter (right side only)(76575-4)		1
34	486-439	SENDER - Fuel pressure (86686-002)		2
-35	102641-099	TUBE ASSY - Gear warning system	4496217 and up	1
-36	102641-100	TUBE ASSY - Gear warning system	4496217 and up	1
-37	102641-101	TUBE ASSY - Gear warning system	4496217 and up	1
-38	102641-102	TUBE ASSY - Gear warning system	4496217 and up	1
-39	102641-103	TUBE ASSY - Gear warning system	4496217 and up	1
-40	555-411	CONNECTOR - (4 required for 4496217 and up)		2
-41	415-535	SCREW (MS35206-245)	4496001 thru 4496216	4
-42	477-629	NUT - (AS5178-04) (4 required for 4496217 and up)		2
-43	477-618	NUT - (AS5178DO4)	4496217 and up	2

-Item not illustrated

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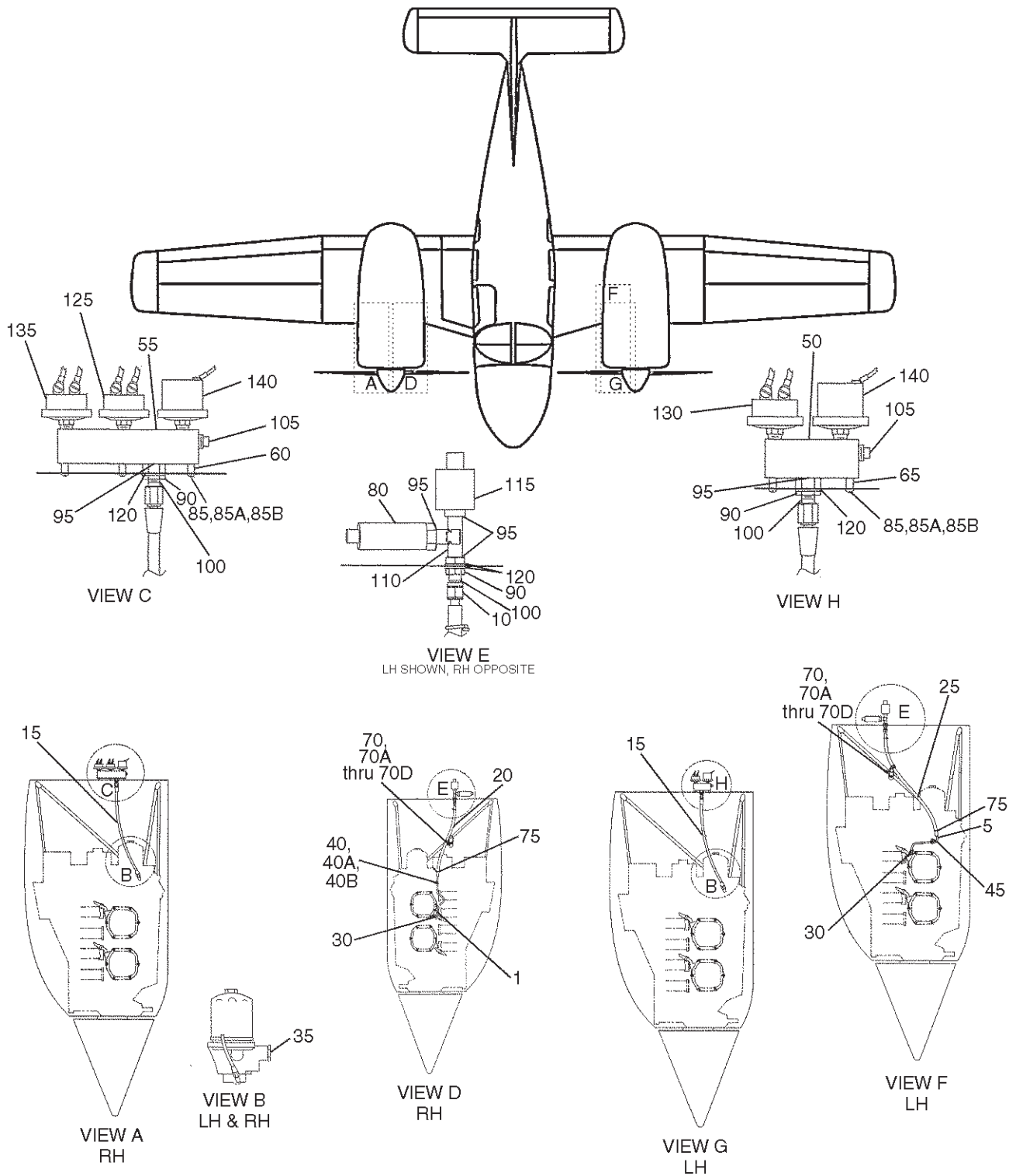


Figure 41A. Engine Instrument Lines Installation (with Entegra)

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
41A	101917 (A)	DRAWING - Engine Instrument Lines Installation	4496174, 4496224 and up (with Entegra)	
	101830 (B)	DRAWING - Electrical System Installation	4496174, 4496224 and up (with Entegra)	
1	84015-093	TUBE ASSY		1
5	84015-092	TUBE ASSY		1
10	102641-109	TUBE ASSY		2
15	63901-041	HOSE		1
20	63913-254	HOSE		1
25	63913-003	HOSE		1
30	460-685	FITTING - (202 x 4)		2
35	37390-000	ELBOW		2
40	63900-050	BUSHING		1
40A	454-929	CLAMP		1
40B	411-534	SCREW - (MS35207-265)		1
45	454-929	CLAMP		1
50	86576-002	MANIFOLD		1
55	86576-003	MANIFOLD		1
60	86700-002	BUSHING		3
65	86700-002	BUSHING		2
70	454-933	CLAMP		2
70A	454-868	CLAMP		2
70B	411-533	SCREW - (MS35207-264)		2
70C	404-534	NUT - (MS21042L3)		2
70D	690-609	WASHER - (NAS1149F0332P)		2
75	454-983	CLAMP		4
80	599-592	TRANSDUCER		2
85	407-043	LOCKWASHER - (MS35338-43)		5
85A	411-533	SCREW		5
85B	690-609	WASHER - (NAS1149F0332P)		5
90	477-629	NUT - (AS5178-04)		4
95	484-842	O-RING - (MS29512-04)		8
100	491-063	UNION - (AN832-4)		4
105	582-223	PLUG - (MS20913-1D)		2
110	588-826	TEE - (AN938-4)		2
115	602-514	SWITCH - (R214C40-4-175)		2
120	690-630	WASHER - (NAS1149F0763P)		6
125	587-990	SWITCH		1
130	587-961	SWITCH		1
135	688-417	SWITCH		1
140	548-729	TRANSDUCER		2

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
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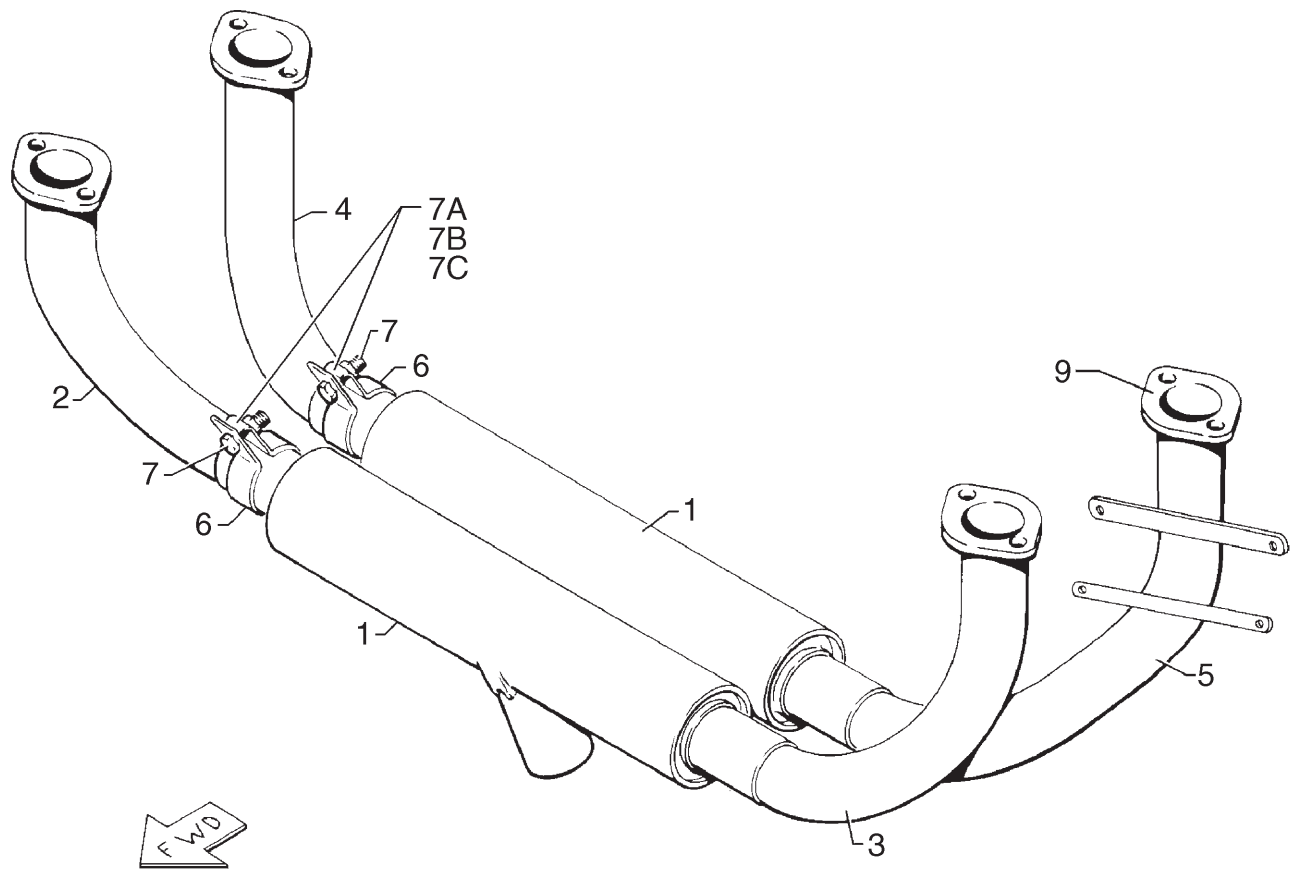


Figure 42. Engine Exhaust System Installation

**THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG**

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
42	89366 (E)	DRAWING - Exhaust System Installation		
1	86299-007	MUFFLER ASSY		2
2	86202-004	STACK ASSY - Left engine inboard, right engine outboard		1
3	89366-003	STACK ASSY - Left engine outboard, right engine inboard		1
4	89366-005	STACK ASSY - Left engine inboard, right engine outboard		1
5	89366-011	STACK WELD ASSY - Left rear		1
6	63243-002	CLAMP - Muffler		2
7	400-103	BOLT - (AN4-6)		2
7A	690-611	WASHER - (NAS1149F0463P)		4
7B	404-101	NUT - (AN310-4)		2
7C	424-051	COTTERPIN - (MS24665-132)		2

-Item not illustrated

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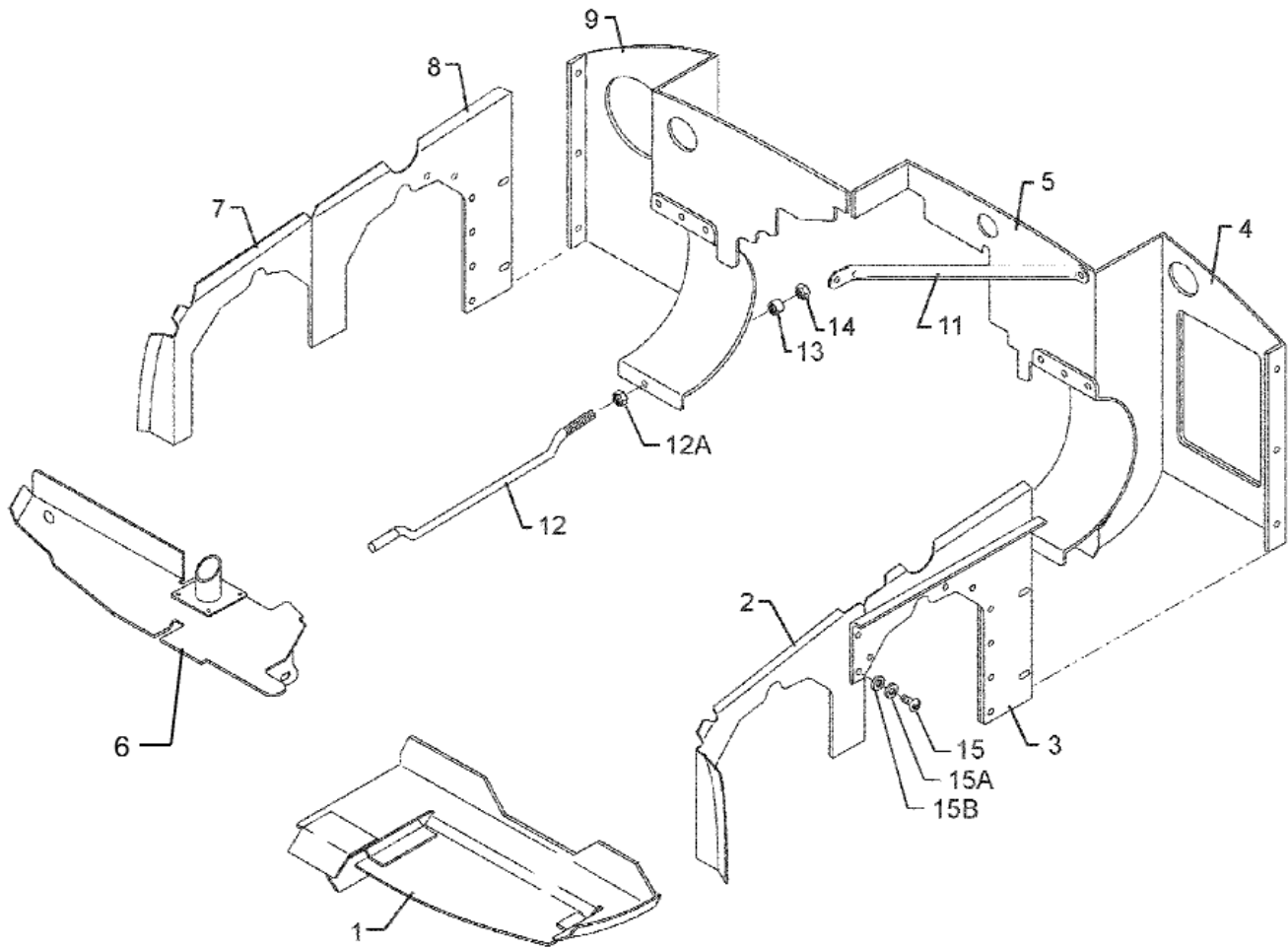


Figure 43. Engine Baffle Installation

THE NEW PIPER AIRCRAFT, INC.
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AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
43	86203 (CF)	BAFFLE ASSY - Engine Baffle Installation		
1	86203-080	BAFFLE ASSY - Left forward, left and right engines		1
2	86203-004	BAFFLE ASSY - Left side forward, left and right engines		1
3	86203-005	BAFFLE ASSY - Left side rear, left and right engines		1
4	86203-076	BAFFLE ASSY - Left rear, left and right engines		1
5	86203-078	BAFFLE ASSY - Center rear, left and right engines		1
6	86203-092	BAFFLE ASSY - Right front, left and right engines		1
7	86203-069	BAFFLE ASSY - Right side front, left and right engines		1
8	86203-010	BAFFLE ASSY - Right side rear, left and right engines		1
9	86203-075	BAFFLE ASSY - Right rear, left and right engines		1
-10	DELETED			
11	86203-041	BRACE - Engine baffle		1
12	87392-002	TIE ROD - Engine baffle		2
12A	404-528	NUT - (MS21042-06)		2
13	63900-014	BUSHING - Tie rod		2
14	404-902	NUT - (MS20365-632C)		6
15	418-420	SCREW - Cap (1/4 - 20 NC-2)		11
15A	408-051	WASHER - (MS35333-40)		11
15B	690-611	WASHER - (NAS1149F0463P)		11
16	411-532	SCREW - (MS35207-263)		23
17	404-526	NUT - (MS21042-3)		22
18	690-609	WASHER - (NAS1149F0332P)		37
19	690-613	WASHER - (NAS1149F0432P)		2
20	86203-090	CLIP		1

-Item not illustrated

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

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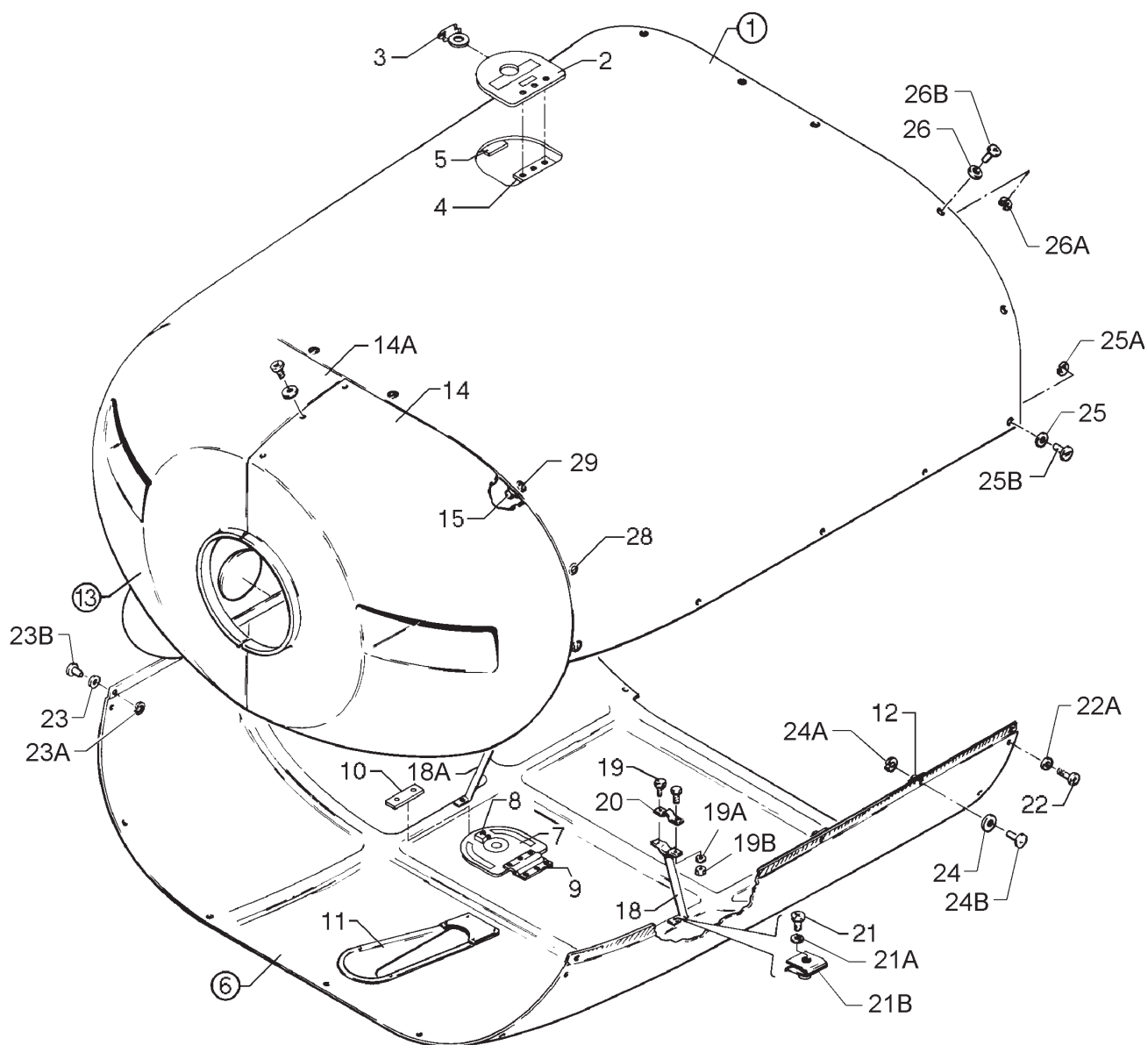


Figure 44. Engine Cowl Assembly

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
44	86207 (BF)	DRAWING - Engine Cowl Assy and Installation		
1	86207-054	COWL ASSY - Engine top		2
2	89368-002	. DOOR ASSY - Oil filler		1
3	472-017	. . LATCH - (KM610-32)		1
4	35794-007	. HINGE ASSY - Oil filler door		1
5	99094-004	. PLATE ASSY - Reinforcement		AR
6	86207-052	COWL ASSY - R.H. bottom		1
-6A	86207-053	COWL ASSY - L.H. bottom		1
7	35793-004	. DOOR ASSY - Oil drain		1
8	472-017	. . LATCH - (KM610-32)		1
9	35794-007	. HINGE ASSY - Oil drain door		1
10	99094-004	. PLATE ASSY - Reinforcement		2
11	86584-003	. FAIRING - Exhaust outlet		1
12	484-293	. RECEPTACLE - (1142700)		6
13	86207-055	NOSE BOWL ASSY		2
14	86207-056	SHELL ASSY - Nose, left		1
14A	86207-057	SHELL ASSY - Nose, right		1
15	584-019	. RECEPTACLE		4
-16	DELETED			
17	35669-191	PLACARD - Oil change (See Figure 77)		RF
18	86587-002	SUPPORT ASSY - Engine cowl, outboard left, inboard right		AR
18A	86587-003	SUPPORT ASSY - Engine cowl, inboard left, outboard right		2
-18C	400-440	BOLT - (AN3-6A)		1
-18D	690-612	WASHER - (NAS1149F0363P)		1
-18E	690-614	WASHER - (NAS1149C0332R)		1
-18F	404-526	NUT - (MS21042-3)		1
-18G	406-707	NUT		1
-18H	415-322	SCREW - (MS27039-1-12)		1
-18J	554-918	CLAMP - Tube (MS27405-T6)		1
19	400-440	BOLT - (AN3-6A)		8
19A	690-612	WASHER - (NAS1149F0363P)		8
19B	404-526	NUT - (MS21042-3)		8
20	554-918	CLAMP - Tube (MS27405-T6)		2
21	415-322	SCREW - (MS27039-1-12)		4
21A	690-614	WASHER - (NAS1149C0332R)		4
21B	406-707	NUT		4
22	520-062	SCREW - (NAS560HK3-1)		32
22A	508-008	WASHER		32
23	463-512	GROMMET - (1142903-2)		4
23A	484-755	SNAP RING - (1142902)		4
23B	690-705	STUD - (1142012-5)		4
-23C	560-062	SCREW		32
-23D	508-008	WASHER		32
24	463-512	GROMMET - (1142903-2)		20
24A	484-755	SNAP RING - (1142902)		20
24B	690-705	STUD - (1142012-5)		20
25	463-512	GROMMET - (1142903-2)		4
25A	484-755	SNAP RING - (1142902)		4
25B	690-702	STUD - (1142012-8)		4

-Item not illustrated

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

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PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
44-				
26	463-512	GROMMET - (1142903-2)		12
26A	484-755	SNAP RING - (1142902)		12
26B	690-731	STUD - (1142012-4)		12
-27	DELETED			
28	463-512	GROMMET - (1142903-2)		4
-28A	484-755	SNAP RING - (1142902)		4
-28B	698-705	STUD		4
29	690-705	STUD - (1142012-5)		4
-29A	463-512	GROMMET - (1142903-2)		4
-29B	484-755	SNAP RING - (1142902)		4

-Item not illustrated

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

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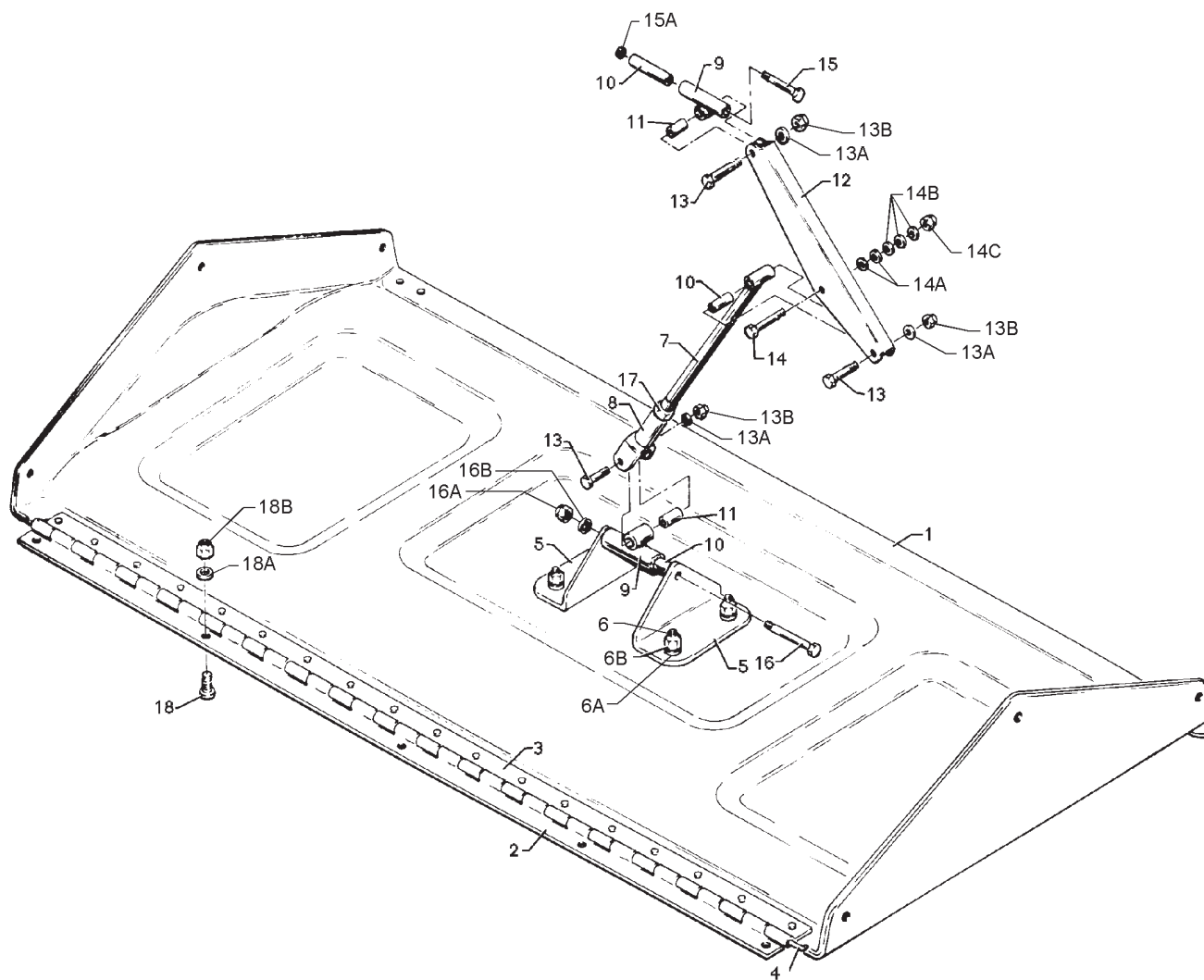


Figure 45. Cowl Flap Installation

THE NEW PIPER AIRCRAFT, INC.
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AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
45	86390 (D)	DRAWING - Cowl Flap Installation		
1	86389-002	FLAP ASSY - Cowl		2
-1A	86389-006	. HINGE - Cowl flap		1
2	86389-008	. HINGE - Half, forward		1
3	86389-007	. HINGE - Half, aft		1
4	86389-009	. PIN - Hinge		1
5	86389-005	. ANGLE		2
6	411-532	. SCREW - (MS35207-263)		4
6A	690-612	. WASHER - (NAS1149F0363P)		4
6B	404-526	. NUT - (MS21042-3)		4
7	37511-042	ROD ASSY - Cowl flap actuation		2
8	37511-008	CLEVIS ASSY - Cowl flap actuation		2
9	37511-015	TRUNNION ASSY - Cowl flap actuation		4
10	37511-018	SPACER		4
11	37511-026	SPACER		4
12	37511-035	CHANNEL - Cowl flap actuation		2
13	401-269	BOLT - (AN3-10A)		6
13A	690-612	WASHER - (NAS1149F0363P)		6
13B	404-526	NUT - (MS21042-3)		6
14	401-269	BOLT - (AN3-10A)		2
14A	690-609	WASHER - (NAS1149F0332P)		4
14B	690-612	WASHER - (NAS1149F0363P)		6
14C	404-526	NUT - (MS21042-3)		2
15	400-453	BOLT - (AN3-21A)		2
15A	690-612	WASHER - (NAS1149F0363P)		2
16	400-453	BOLT - (AN3-21A)		2
16A	690-612	WASHER - (NAS1149F0363P)		2
16B	404-526	NUT - (MS21042-3)		2
17	407-044	WASHER - (MS35338-44)		2
-17A	404-225	NUT - (AN315-4R)		2
18	411-532	SCREW - (MS35207-263)		10
18A	690-612	WASHER - (NAS1149F0363P)		10
18B	404-526	NUT - (MS21042-3)		10
19	411-533	SCREW - (MS35207-264)		5

-Item not illustrated

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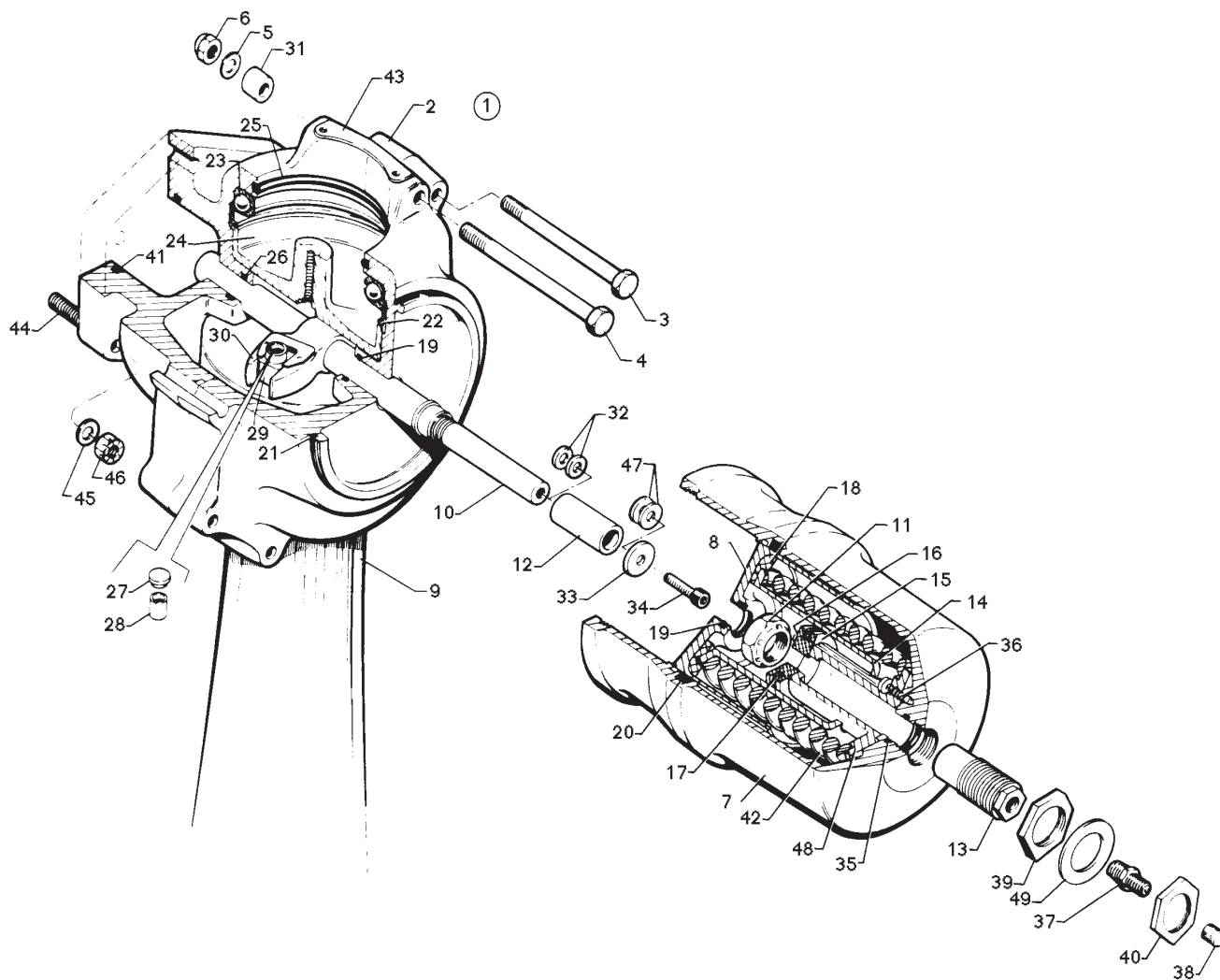


Figure 46. Two Blade Propeller Assembly (Hartzell)

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
46	D-2292	DRAWING - Two Blade - Propeller Assy		
1	550-979	PROPELLER ASSY - Hartzell, two blade (HC-C2Y(K,R)-2CEUF/FC7666A-2R) left		1
-1A	550-980	PROPELLER ASSY - Hartzell, two blade (HC-C2Y(K,R)-2CLEUF/FJC7666A-2R) right		1
2	755-220	. HUB ASSY - Propeller		1
3	753-461	. BOLT - Hex head (A-2431)		6
4	753-462	. BOLT - Hex head (A-2433)		4
5	690-621	. WASHER - (NAS1149FN416P) (Parts included in Propeller Repair Kit, Part No. 761-100)		10
6	752-511	. NUT - Elastic (A-2043-1) (Parts included in Propeller Repair Kit, Part No. 761-100)		10
7	753-982	. CYLINDER - (B-2423-1)		1
8	757-321	. PISTON - (B-3237)		1
9	758-429	. BLADE - Propeller, left (FC7666A-2R)		2
9A	758-430	. BLADE - Propeller, right (7666A-2R)		2
10	756-048	. ROD - Piston (B-2491-3)		1
11	752-537	. NUT - Flexlock (AN363-524)		1
12	756-289	. SLEEVE - High pitch stop (A2499-10)		1
13	756-293	. STOP - Low pitch (A-2404-1)		1
14	762-259	. SPRING - Retainer (B-1592-1)		1
15	756-674	. WEIGHT - High pitch stop (A-1590)		1
16	762-258	. SCREW - Shoulder (A-1595) (Parts included in Propeller Repair Kit, Part No. 761-100)		4
17	762-257	. SPRING - High pitch stop (A-1596) (Parts included in Propeller Repair Kit, Part No. 761-100)		1
18	755-043	. GUIDE - Spring (A-1591)		1
19	752-713	. O-RING (Parts included in Propeller Repair Kit, Part No. 761-100)		2
20	755-977	. O-RING - Cylinder (90254-1) (Parts included in Propeller Repair Kit, Part No. 761-100)		1
21	755-935	. O-RING - Cylinder (PRP-909-25) (Parts included in Propeller Repair Kit, Part No. 761-100)		1
22	755-968	. RING - Bearing guide (A-2204)		2
23	753-463	. BEARING - Blade, split (A-2202)		2
24	757-249	. PRELOAD PLATE UNIT - (B-2256)		2
25	755-934	. O-RING - Blade (57B3883-4339)		2
26	755-932	. O-RING - Rod (PRP 902-13-1) (Parts included in Propeller Repair Kit, Part No. 761-100)		1
27	758-282	. BUTTON - Propeller (A3212-1)		1
28	758-280	. BUSHING - Propeller (A-2413-2)		1
29	758-204	. BLOCK - Pitch change (A-2217-3)		2
30	754-826	. FORK UNIT - Pitch change (B-2457-3)		1
31	756-284	. SPACER - (A-2246-4)		4
32	756-603	. WASHER - High pitch adjustment (A-2435)		AR

-Item not illustrated

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

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PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
46-				
32A	756-604	. WASHER - High pitch adjustment (A-2435-1)		AR
33	756-606	. WASHER - Feathering stop (A-2411-1)		1
34	756-291	. SCREW - Socket head cap (A-3205)		1
35	755-933	. O-RING - (C-3317-117) (Parts included in Propeller Repair Kit, Part No. 761-100)		1
36	756-286	. SCREW - Fillister head (AN501A416-10)		4
37	756-564	. AIR VALVE - (645A)		1
38	763-254	. CAP - Air valve		1
39	752-566	. NUT - Check (A-2405-3)		1
40	752-567	. NUT - Check (A-2405-2)		1
41	755-800	. O-RING - Rod (C-3317-228) (Parts included in Propeller Repair Kit, Part No. 761-100)		1
42	762-260	. SPRING - (B-1594)		1
43	756-607	. WEIGHT - Balance (A-2424)		AR
44	757-583	. STUD - (A-2067)		6
45	690-631	. WASHER - (NAS1149F0863P)		6
46	752-530	. NUT - Castle (A-2069)		6
47	690-644	. WASHER - Feather adjustment (NAS1149C0563R)		AR
47A	690-643	. WASHER - Feather adjustment (NAS1149C0532R)		AR
48	758-356	. BRACKET - High stop (B-1593)		1
49	762-228	. SPACER - (A-169-7)		AR

-Item not illustrated

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

**THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG**

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PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

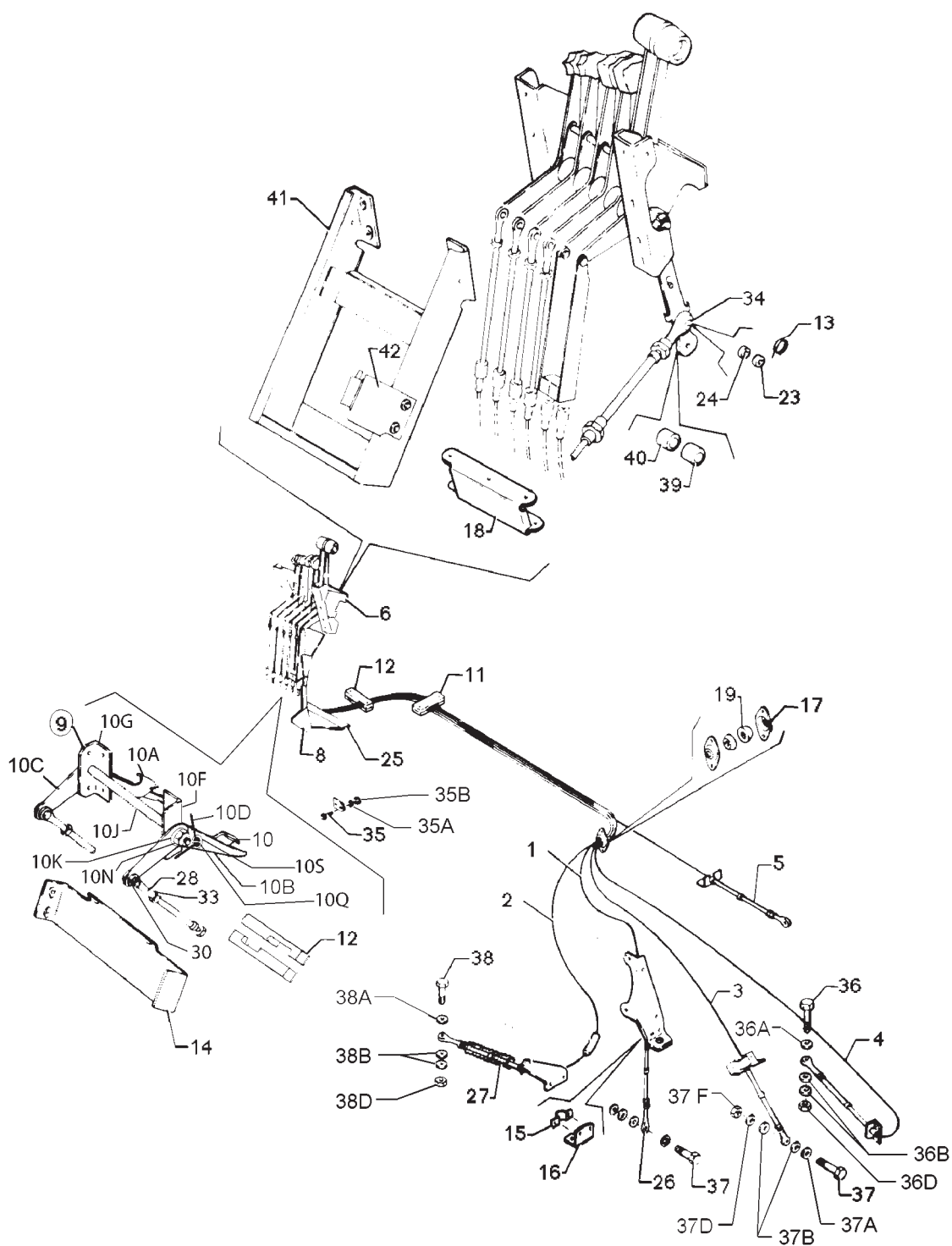


Figure 48. Engine Controls Installation

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
48	86690 86204 (AJ)	DRAWING - Finishing Installation DRAWING - Engine Controls Installation		
1	554-546	CABLE ASSY - Throttle control, left		1
-1A	554-528	CABLE ASSY - Throttle control, right		1
2	554-201	CABLE ASSY - Propeller control, left		1
-2A	554-298	CABLE ASSY - Propeller control, right		2
3	554-544	CABLE ASSY - Mixture control, left		1
-3A	554-298	CABLE ASSY - Mixture control, right		1
4	554-294	CABLE ASSY - Carburetor heat, left engine		1
-4A	554-545	CABLE ASSY - Carburetor heat, right engine		1
5	554-489	CABLE ASSY - Cowl flap		2
6	95136-010	QUADRANT ASSY - Control (See Figure 49 for com. parts)	4496001 thru 4496216	1
6	95136-011	QUADRANT ASSY - Control (See Figure 49 for comp. parts)	4496217 and up	1
-7	DELETED			
8	37587-000	CONSOLE ASSY - Control		1
-8A	37585-000	. PLATE		1
-8B	37588-000	. STIFFENER		1
-8C	37589-000	. STIFFENER		1
-8D	507-562	. WASHER - (AN960-6L)		4
-8E	404-528	. NUT - (MS21042-06)		4
-8F	415-495	. SCREW - (MS35206-230)		4
9	96080-000	. PIVOT ASSY - Cowl flap lever		1
10	96453-000	.. LEVER - Cowl flap, left		1
10A	96453-001	.. LEVER - Cowl flap, right		1
10B	96061-000	.. LEVER - Cowl flap, left		1
10C	96061-001	.. LEVER - Cowl flap, right		1
10D	96455-001	.. SPRING - Cowl flap lever, left		1
-10E	96455-000	.. SPRING - Cowl flap lever, right		1
10F	96454-000	.. ANGLE, left		1
10G	96454-001	.. ANGLE, right		1
-10H	400-468	.. BOLT - (AN3-45A)		1
10J	95061-034	.. BUSHING		1
10K	690-609	.. WASHER - (NAS1149F0332P)		2
-10L	690-611	.. WASHER - (NAS1149F0463P)		2
-10M	690-613	.. WASHER - (NAS1149F0432P)		2
10N	404-526	.. NUT - (MS21042-3)		1
-10P	96456-000	.. PLATE		2
10Q	415-519	.. SCREW - (MS35206-229)		2
-10R	95061-069	.. BUSHING		2
10S	507-562	.. WASHER - (AN960-6L)		4
-10T	603-353	.. NUT - (MS21083N06)		2
11	96281-002	CLAMP - Cable		2
12	96281-003	CLAMP - Cable		4
13	96717-000	SPRING - Alternate air		2
14	96283-000	BRACKET ASSY - Cable clamp		1
15	18219-000	CLAMP - Control cable attachment		14
16	18132-000	LUG - Control cable support bracket		12
17	18321-000	PLATE - Firewall seal		4
18	89354-002	BRACKET ASSY - Engine controls		1
19	63915-008	SEAL - Firewall		4
-20	DELETED			
-21	DELETED			

-Item not illustrated

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THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
48-				
-22	DELETED			
23	95061-082	BUSHING		2
24	95061-083	BUSHING		4
25	96086-000	BRACKET ASSY - Console		1
26	452-606	BEARING - Rod end		12
27	553-182	BOOT - Prop governor cable (AD1204-1)		2
28	488-327	TERMINAL - Clevis (AN665-21R)		8
-29	DELETED			
30	424-174	PIN - (MS20392-2C11)		4
-30A	690-609	WASHER - (NAS1149F0332P)		4
-30B	424-051	COTTER PIN - (MS24665-132)		4
-31	DELETED			
-32	DELETED			
33	407-043	WASHER - (MS35338-43)		20
33A	404-224	NUT - (AN315-3R)		20
34	62833-101	WASHER - (.56 O.D.)		2
-34A	690-612	WASHER - (NAS1149F0363P)		4
-34B	690-609	WASHER - (NAS1149F0332P)		2
-34C	404-526	NUT - (MS21042-3)		2
35	401-307	BOLT - (AN4-4A)		4
35A	690-611	WASHER - (NAS1149F0463P)		4
35B	404-530	NUT - (MS20365-428C)		4
36	400-054	BOLT - (AN3-7)		1
36A	62833-101	WASHER - (.56 O.D.)		1
36B	407-564	WASHER - (MS21042-4)		3
-36C	690-609	WASHER - (NAS1149F0332P)		1
36D	404-526	NUT - (MS21042-3)		1
-36E	424-039	COTTER PIN - (MS24665-69)		1
37	415-318	SCREW - (MS27039-1-08)		2
37A	62833-101	WASHER - (.56 O.D.)		4
37B	690-612	WASHER - (NAS1149F0363P)		2
-37C	96717-000	SPRING		1
37D	690-609	WASHER - (NAS1149F0332P)		8
-37E	95061-830	BUSHING		1
37F	404-526	NUT - (MS21042-3)		4
-37G	424-039	COTTER PIN - (MS24665-69)		1
38	400-054	BOLT - (AN3-7)		1
38A	62833-101	WASHER - (.56 O.D.)		2
38B	690-612	WASHER - (NAS1149F0363P)		3
-38C	690-609	WASHER - (NAS1149F0332P)		1
38D	603-314	NUT - (MS14144-L3)		2
-38E	400-054	BOLT - (AN3-7)		1
39	96718-002	KNOB - Carburetor heat control, outboard		2
40	96718-003	KNOB - Carburetor heat control, inboard		2
41	89356-002	MOUNT ASSY - Engine controls		1
-41A	37582-000	. BRACKET		1
-41B	89355-002	. CHANNEL ASSY		1
-41C	89355-003	. CHANNEL ASSY		1
-41D	96051-000	. STOP		1
-41E	37143-000	. RETAINER		1
-41F	96053-002	. LOCK PLATE		1
-41G	690-616	. WASHER - (NAS1149FN832P)		2
-41H	415-493	. SCREW - (MS35206-228)		2

-Item not illustrated

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AIRPLANE PARTS CATALOG**

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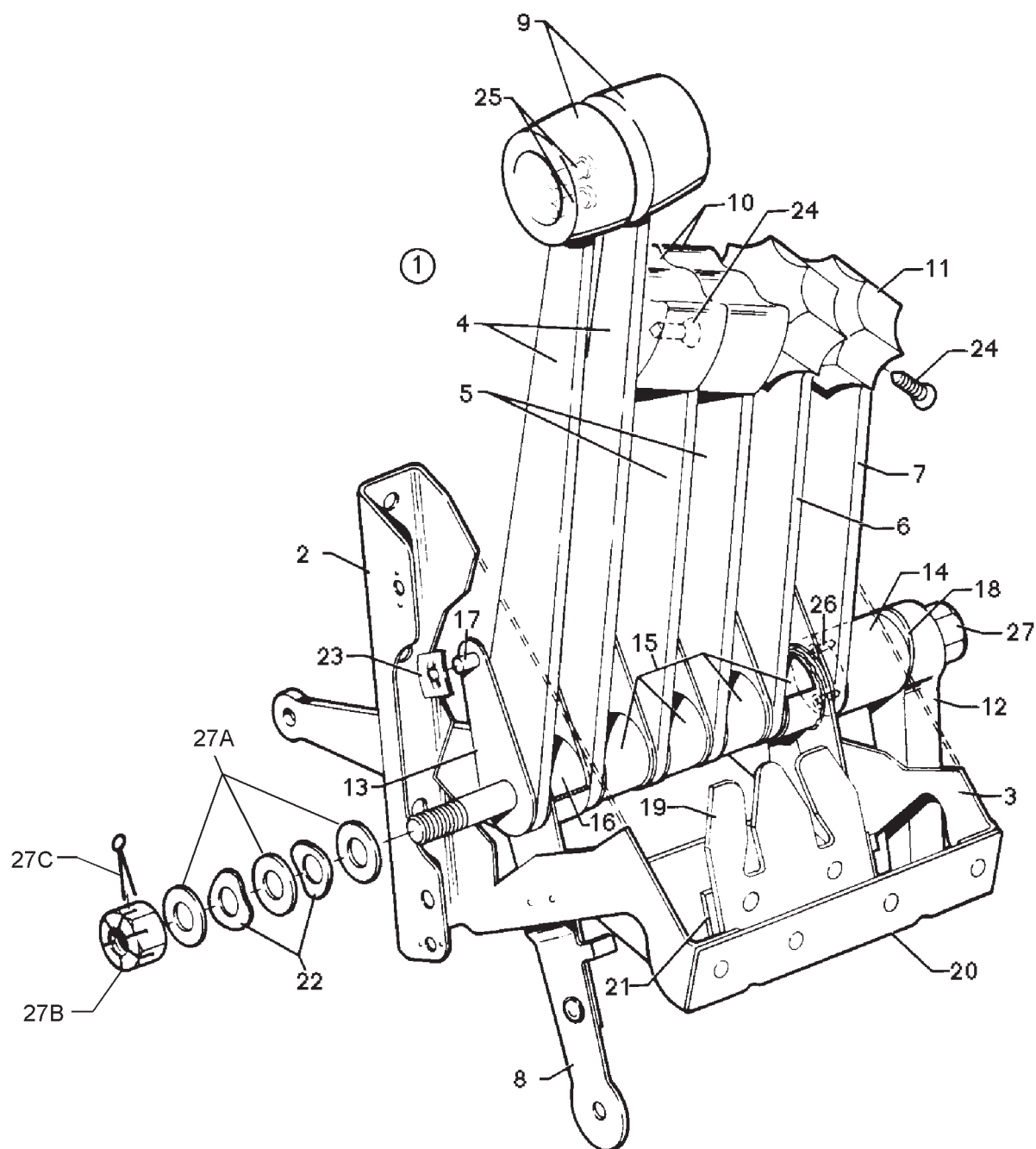


Figure 49. Quadrant Assembly

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
49	86204 (AJ)	DRAWING - Engine Controls Installation		
1	95136-010	QUADRANT ASSY - Control	4496001 thru 4496216	1
1	95136-011	QUADRANT ASSY - Control	4496217 and up	1
-1A	89776-002	. SWITCH ASSY - Landing gear warning	4496001 thru 4496015	1
1B	89776-005	. SWITCH ASSY - Landing gear warning	4496016 and up	1
2	96720-000	. BRACKET ASSY - Quadrant, left		1
3	96721-000	. BRACKET ASSY - Quadrant, right		1
4	86235-002	. LEVER - Throttle control		2
5	95139-002	. LEVER ASSY - Propeller control		2
6	37478-000	. LEVER - Mixture control, left		1
7	37479-000	. LEVER - Mixture control, right		1
8	37576-000	. LEVER ASSY - Alternate air, left		1
8A	37576-001	. LEVER ASSY - Alternate air, right		1
9	95137-002	. KNOB - Throttle control		2
10	24047-000	. KNOB - Propeller control		2
11	24048-000	. KNOB - Mixture control		2
12	63039-004	. HANDLE - Quadrant adjusting (2.94" L.)		1
13	67218-000	. PLATE - Friction		12
14	66774-000	. CAM - Quadrant adjusting		1
15	68699-021	. SPACER - Quadrant control		4
16	68699-013	. SPACER - Quadrant control		1
17	95148-003	. ROD - Quadrant control		1
18	62833-046	. WASHER - Friction		1
19	78713-000	. PLATE ASSY - Propeller feather stop		1
20	96895-000	. CHANNEL ASSY - Propeller feather stop support		1
21	96894-000	. ANGLE ASSY - Propeller feather stop support, upper		1
22	690-619	. WASHER - (NAS1149F0532P)		2
23	406-369	. NUT - (A1037-012-3)		2
24	414-515	. SCREW - (MS24693-S48)		4
25	415-520	. SCREW - (MS35206-230)		6
26	414-694	. SCREW - (MS24693-S2)		2
27	400-192	. BOLT - (AN5-52)		1
		(Used if a 2.94" L quadrant adjusting handle (P/N 63039-04) is installed)		
27A	690-619	. WASHER - (NAS1149F0532P)		3
27B	404-394	. NUT - (AN320-5)		1
27C	424-052	. COTTER PIN - (MS24665-134)		1
-28	690-640	. WASHER - (NAS1149FN632P)		2
-29	690-616	. WASHER - (NAS1149FN832P)		2
-30	89353-002	. ANGLE		1
-31	89775-002	. CAM		2
-32	415-512	. SCREW - (MS35206-224)		4
-33	415-505	. SCREW - (MS35206-215)		2

-Item not illustrated

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THE NEW PIPER AIRCRAFT, INC.
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AIRPLANE PARTS CATALOG

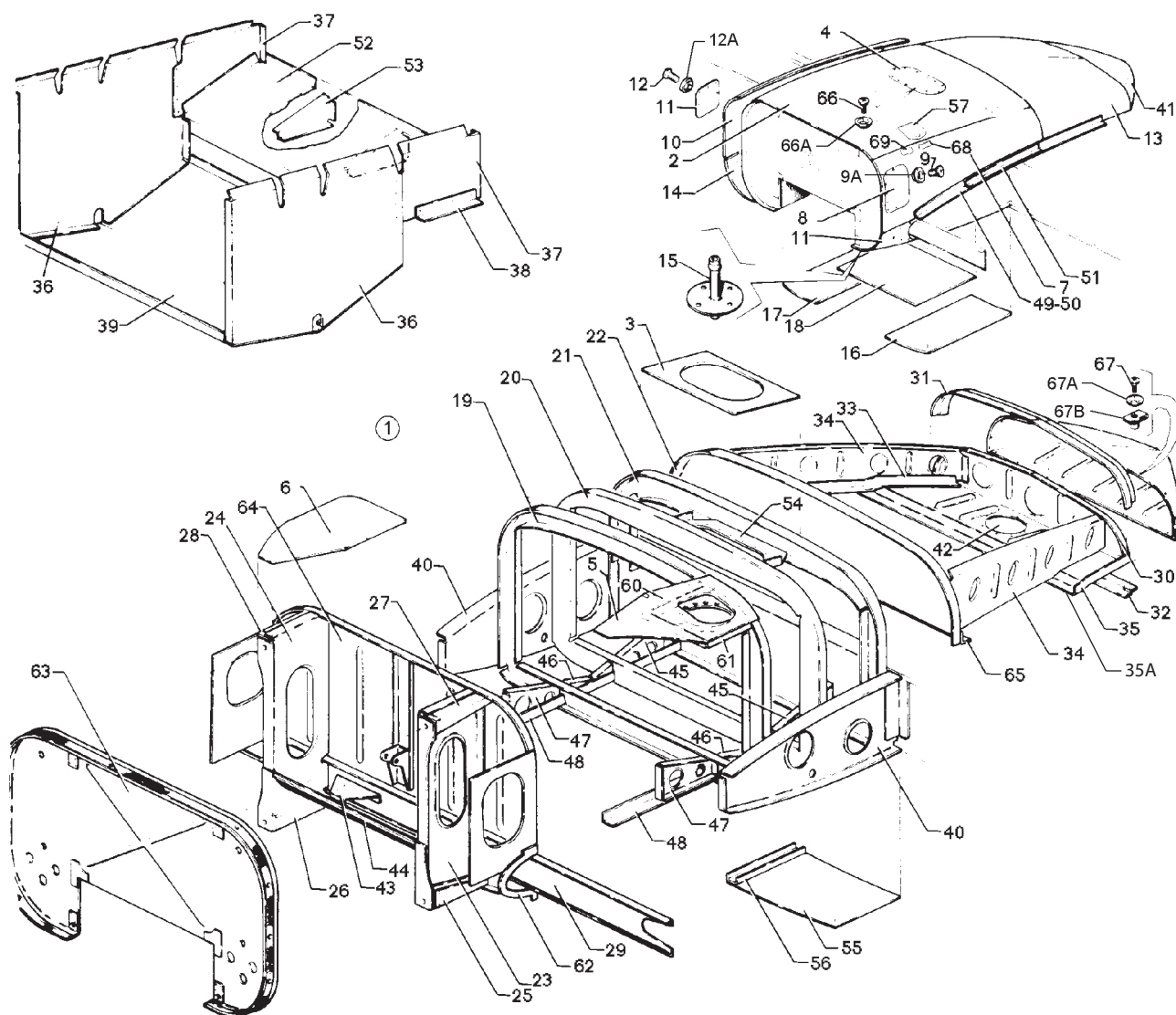


Figure 50. Nacelle Installation

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
50	86380 (AK) 86504 (AD)	DRAWING - Wing and Nacelle Assy DRAWING - Wing Installation		
1	86180-002	NACELLE ASSY - Left	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
1	86180-054	NACELLE ASSY - Left	4496174, 4496224 and up (with Entegra)	1
-1A	86180-003	NACELLE ASSY - Right	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
-1A	86180-055	NACELLE ASSY - Right	4496174, 4496224 and up (with Entegra)	1
-1B	86180-004	. SKIN ASSY - Top nacelle		1
-1C	86180-005	. SKIN ASSY - Top nacelle		1
2	86180-010	. . SKIN - Nacelle, top left		1
-2A	86180-011	. . SKIN - Nacelle, top right		1
3	86180-020	. . DOUBLER - Access plate		1
4	86180-021	. . ACCESS PLATE - Nacelle, top		1
5	86180-022	. . DOUBLER - Access door, outboard, left		1
-5A	86180-023	. . DOUBLER - Access door, outboard, right		1
6	86180-024	. . DOUBLER - Nacelle, top, inboard, right		1
-6A	86180-025	. . DOUBLER - Nacelle, top, inboard, left		1
7	86180-006	. SKIN ASSY - Side, outboard, left nacelle		1
-7A	86180-007	. SKIN ASSY - Side, outboard, right nacelle		1
8	86180-028	. . ACCESS DOOR - Nacelle, outboard, left		1
-8A	86180-028	. . ACCESS DOOR - Nacelle, outboard, right		1
9	410-240	. . SCREW - (MS24694-S5)		12
-9A	494-101	. . WASHER - (A3135-017-24A)		12
10	86180-035	. SKIN ASSY - Side, inboard, left nacelle		1
-10A	86180-036	. SKIN ASSY - Side, inboard, right nacelle		1
11	86180-049	. . ACCESS DOOR - Nacelle, inboard, left		1
-11A	86180-049	. . ACCESS DOOR - Nacelle, inboard, right		1
12	410-240	. . SCREW - (MS24694-S5)		8
-12A	494-101	. . WASHER - (A3135-017-24A)		8
13	86180-012	. SKIN - Top, aft		1
14	86180-041	. SKIN ASSY - Lower forward, outboard, left nacelle		1
-14A	86180-042	. SKIN ASSY - Lower forward, outboard, right nacelle		1
14B	86180-043	. SKIN - Lower forward, inboard, left nacelle		1
14C	86180-044	. SKIN - Lower forward, inboard, right nacelle		1
15	86242-005	. . PLATE ASSY - Fuel drain		1
16	86180-017	. SKIN - Lower aft, outboard left		1
-16A	86180-018	. SKIN - Lower aft, outboard right		1
17	86180-039	. SKIN - Lower aft, inboard left		1
-17A	86180-040	. SKIN - Lower aft, inboard right		1
18	86180-019	. SKIN - Bottom		1
19	86175-002	. FRAME ASSY - Nacelle, sta. 90		1
20	86176-002	. FRAME ASSY - Nacelle, sta. 96		1
21	86177-002	. FRAME ASSY - Nacelle, sta. 105.10		1
22	86178-002	. FRAME ASSY - Nacelle, sta. 115.10		1
23	86179-002	. WEB - Nacelle, outboard left, inboard right	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
23	86179-004	. WEB ASSY	4496174, 4496224 and up (with Entegra)	1

-Item not illustrated

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THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
50-				
24	86179-003	. WEB - Nacelle, inboard left, outboard right	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
24	86179-005	. WEB ASSY	4496174, 4496224 and up (with Entegra)	1
25	86197-008	. FITTING		1
26	86197-009	. FITTING		1
27	86198-002	. FITTING ASSY - Engine mount, upper, outboard left, inboard right		1
28	86198-003	. FITTING ASSY - Engine mount, upper, inboard left, outboard right		1
29	86199-002	. SPAR ASSY - Nacelle, front, left		1
29A	86199-003	. SPAR ASSY - Nacelle, front, right		1
30	86295-002	. BULKHEAD - Nacelle, left, sta. 142.28		1
30A	86295-003	. BULKHEAD - Nacelle, right, sta. 142.28		1
31	86295-004	. STRAP - Nacelle, top		1
32	86295-005	. STRAP - Nacelle, bottom		1
33	86296-002	. ANGLE - Nacelle, outboard left, inboard right		1
-33A	86296-003	. ANGLE - Nacelle, inboard left, outboard right		1
34	86296-004	. WEB - Nacelle, outboard left, inboard right		1
-34A	86296-005	. WEB - Nacelle, inboard left, outboard right		1
35	86297-004	. FLOOR ASSY - Nacelle, aft fairing		1
35A	86297-002	. . FLOOR		1
-35B	506-515	. . NUTPLATE		8
36	86324-002	. WEB - Nacelle, outboard left, inboard right		1
-36A	86324-003	. WEB - Nacelle, inboard left, outboard right		1
37	86324-004	. WEB - Nacelle, outboard left, inboard right		1
-37A	86324-005	. WEB - Nacelle, inboard left, outboard right		1
38	86324-006	. ANGLE - Nacelle, outboard left, inboard right		1
-38A	86324-007	. ANGLE - Nacelle, inboard left, outboard right		1
39	86325-002	. FLOOR - Nacelle, fuel cell		1
40	86326-002	. RIB - Nacelle, outboard left, inboard right		1
-40A	86326-003	. RIB - Nacelle, inboard left, outboard right		1
41	86298-009	. TIP - (L/H)	4496001 thru 4496097	1
41	86298-013	. TIP - (L/H)	4496098 and up	1
-41A	86298-010	. TIP - (R/H)	4496001 thru 4496097	1
-41A	86298-014	. TIP - (R/H)	4496098 and up	1
42	86297-003	. ACCESS PLATE - Nacelle, aft, left and right		1
-42A	415-544	. SCREW - (MS35206-244) (aft nacelle access plate)		8
-42B	506-515	. NUTPLATE - (MS21059L06K) (aft nacelle access plate)		8
43	86394-002	. BRACKET ASSY - Cowl flap, left		1
-43A	86394-003	. BRACKET ASSY - Cowl flap, right		1
44	86327-002	. SHROUD ASSY - Nacelle, left		1
-44A	86327-010	. SHROUD ASSY - Nacelle, right		1
45	86329-002	. WEB - Nacelle, outboard left, inboard right		1
-45A	86329-003	. WEB - Nacelle, inboard left, outboard right		1
46	86329-004	. WEB - Nacelle, outboard left, inboard right		1
-46A	86329-005	. WEB - Nacelle, inboard left, outboard right		1
47	86329-006	. WEB - Nacelle, outboard left, inboard right		1
-47A	86329-007	. WEB - Nacelle, inboard left, outboard right		1
48	86329-008	. ANGLE - Nacelle, outboard left, inboard right		1
-48A	86329-009	. ANGLE - Nacelle, inboard left, outboard right		1
49	86331-002	. ANGLE - Nacelle, outboard, left		1
-49A	86331-003	. ANGLE - Nacelle, outboard, right		1

-Item not illustrated

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THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
50-				
50	86331-003	. ANGLE - Nacelle, inboard, left		1
-50A	86331-002	. ANGLE - Nacelle, inboard, right		1
51	86331-005	. ANGLE - Nacelle, inboard, left		1
-51A	86331-004	. ANGLE - Nacelle, inboard, right		1
52	86333-002	. FLOOR - Nacelle, fuel		1
53	86333-003	. SUPPORT - Floor		2
54	86334-005	. DOUBLER - Fuel cell		1
55	86335-002	. GUSSET - Nacelle, lower, outboard		1
56	86335-003	. CHANNEL - Nacelle, lower		1
57	86385-002	. DOOR ASSY - Fuel inlet		1
-58	DELETED			
-59	DELETED			
60	86387-002	. INTERCOSTAL CHANNEL - Nacelle, outboard left, inboard right		1
-60A	86387-003	. INTERCOSTAL CHANNEL - Nacelle, inboard left, outboard right		1
61	86797-002	. SCUPPER ASSY - Nacelle, left		1
-61A	86797-003	. SCUPPER ASSY - Nacelle, right		1
62	86180-029	. DOUBLER - Nacelle, outboard left		1
-62A	86180-029	. DOUBLER - Nacelle, inboard right		1
-62B	86180-030	. DOUBLER - Nacelle, outboard right	4496098 and up	1
-62C	86180-030	. DOUBLER - Nacelle, inboard left	4496098 and up	1
63	86173-002	. FIREWALL ASSY - Left	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
63	86173-024	. FIREWALL ASSY - Left	4496174, 4496224 and up (with Entegra)	1
-63A	86173-003	. FIREWALL ASSY - Right	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
-63A	86173-023	. FIREWALL ASSY - Right	4496174, 4496224 and up (with Entegra)	1
64	86174-002	. BULKHEAD ASSY - Nacelle, left, sta. 82.26		1
-64A	86174-003	. BULKHEAD ASSY - Nacelle, right, sta. 82.26		1
65	86178-003	. ANGLE - Nacelle bulkhead, sta. 115.10		1
66	410-240	. SCREW - (MS24694-S5)		10
66A	494-101	. WASHER - (A3135-017-24A)		10
67	414-763	. SCREW - (MS24693-S50)		15
67A	494-101	. WASHER - (A3135-017-24A)		15
67B	603-349	. NUT-CLIP		15
68	35669-163	PLACARD - Fuel (See Figure 77)		RF
69	456-682	DECAL - Avgas (See Figure 77)		RF

-Item not illustrated

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

**THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG**

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SECTION VIII

FUEL SYSTEM GROUP

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

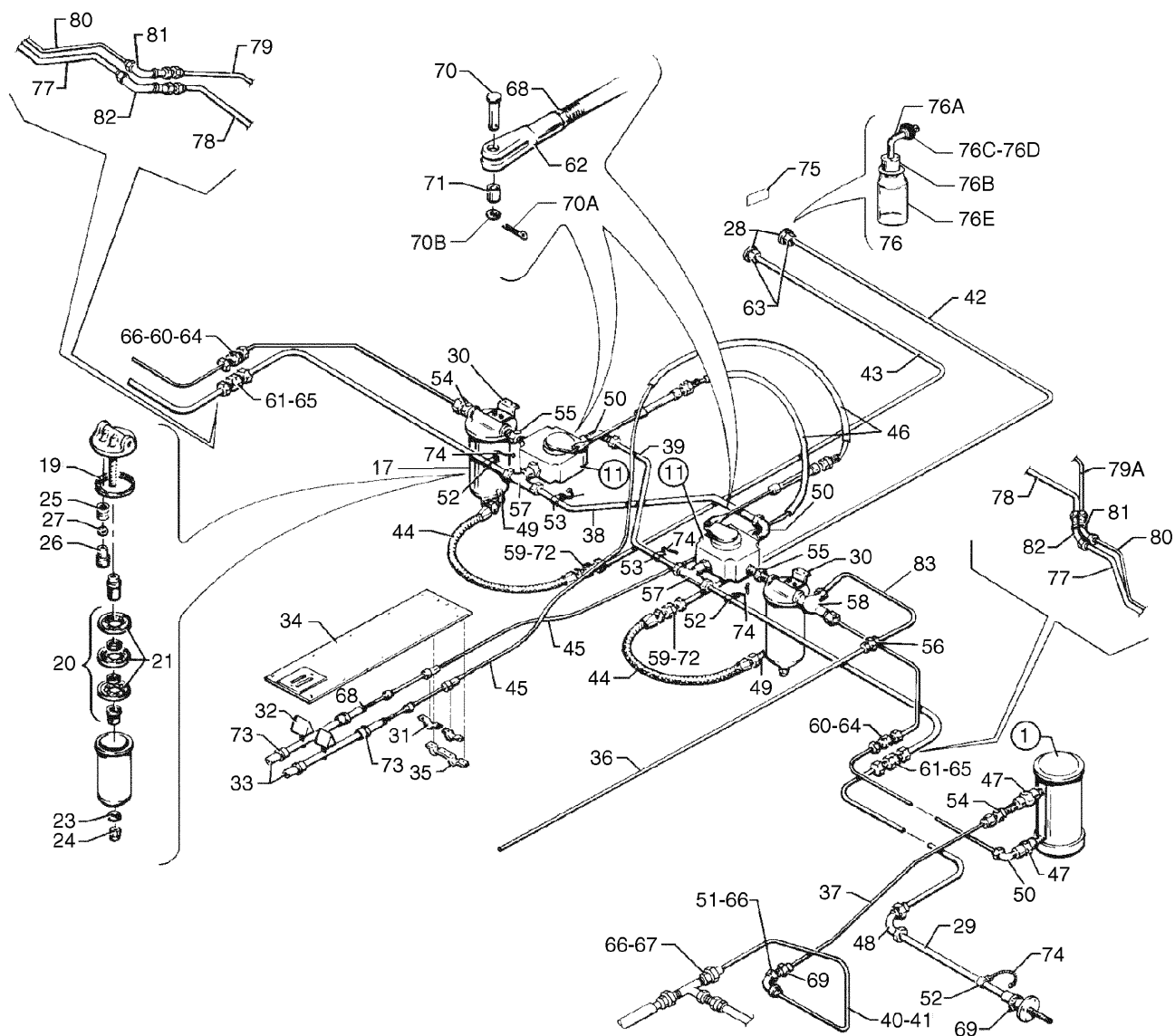


Figure 51. Fuel System Installation

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
51	86206 (AG) 86546 (E)	DRAWING - Fuel System Installation DRAWING - Bottle Assy - Fuel Sample		
1	86255-002	PUMP ASSY - Electric fuel		2
-1A	481-701	. FUEL PUMP - (480543)		1
-1B	400-002	BOLT - (AN4-5A)		4
-1C	690-613	WASHER - (NAS1149F0432P)		4
-1D	404-530	NUT - (MS21042-4)		4
-2	DELETED			
-3	DELETED			
-4	DELETED			
-5	DELETED			
-6	DELETED			
-7	DELETED			
-8	DELETED			
-9	DELETED			
-10	DELETED			
11	461-737	VALVE ASSY - Fuel selector		2
-12	DELETED			
-13	DELETED			
-14	DELETED			
-15	DELETED			
-16	DELETED			
17	560-866	FILTER ASSY - Fuel (01W031759-1)		2
-18	DELETED			
19	751-882	. GASKET		1
20	753-913	. CARTRIDGE ASSY		1
21	751-805	. . FILTER		3
-22	DELETED			
23	753-205	. WASHER		1
24	752-502	. NUT - Acorn		1
25	756-200	. SPRING VALVE		1
26	756-199	. SEAT VALVE		1
27	753-402	. BALL VALVE		1
28	492-308	VALVE - Drain (710C-4X)		2
29	86228-002	STRAINER ASSY - Fuel tank finger		2
30	86227-002	SUPPORT - Fuel filter		2
-30A	404-526	NUT - (MS20364-1032C)		6
-30B	401-918	SCREW - (MS20074-04-03)		4
-30C	404-156	LOCK WASHER - (MS35335-33)		4
31	86579-002	RETAINER - Control cables		1
-31A	414-515	SCREW - (MS24693S48)		3
32	86580-002	KNOB ASSY - Fuel selector		2
33	86581-002	SLIDE - Fuel selector		2
34	86582-002	COVER PLATE ASSY - Fuel selector		1
-34A	520-056	SCREW - (MS51861-45C)		14
35	86230-002	SUPPORT - Cable		1
-35A	415-515	SCREW - (MS24693S48)		3
-35B	690-616	WASHER - (NAS1149FN832P)		3
-35C	404-529	NUT - (MS21042-08)		3
36	86238-110	TUBE ASSY - Heater fuel		1
37	86238-010	TUBE ASSY - Fuel		2
38	84015-097	TUBE ASSY - Fuel		1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
51-				
39	84015-096	TUBE ASSY - Fuel		1
40	86238-016	TUBE ASSY - Fuel, right		1
41	86238-032	TUBE ASSY - Fuel, left		1
42	86238-039	TUBE ASSY - Fuel filter drain, left		1
-42A	454-929	CLAMP		1
-42B	415-533	SCREW - (MS35206-243)		1
-42C	690-616	WASHER - (NAS1149FN832P)		1
-42D	404-529	NUT - (MS21042-08)		1
43	86238-040	TUBE ASSY - Fuel filter drain, right		1
-43A	454-929	CLAMP		1
-43B	415-533	SCREW - (MS35206-243)		1
-43C	690-616	WASHER - (NAS1149FN832P)		1
-43D	404-529	NUT - (MS21042-08)		1
44	63901-094	HOSE - Fuel filter drain		2
-44A	690-630	WASHER - (NAS1149F0432P)		4
45	556-201	CABLE ASSY - Fuel selector		2
46	63904-118	TUBING - Plastic		2
-46A	488-702	TIE WRAP - (MS3367-1-9)		11
-46B	63882-017	SLEEVE		4
-46C	454-930	CLAMP		4
47	556-406	COUPLING - (AN910-2)		4
48	558-818	ELBOW - (AN821-8)		2
49	559-081	ELBOW - (MS20822-4)		2
50	458-868	ELBOW - (MS20822-6)		4
51	458-936	ELBOW - (AN833-6)		4
52	554-557	CLAMP - (AN735-8)		4
-52A	411-530	SCREW - (MS35207-261)		2
53	554-574	CLAMP - (AN735-6)		2
-53A	411-531	SCREW - (MS35207-262)		4
-53B	690-612	WASHER - (NAS1149F0363P)		4
-53C	408-044	LOCK WASHER - (under nut)(MS35333-39)		4
-53D	404-526	NUT - (MS21042-3)		4
54	476-678	NIPPLE - (AN816-6)		3
55	476-718	NIPPLE - (AN911-2)		2
56	484-353	REDUCER - (AN919-6D)		1
57	86254-002	TEE - Special		2
58	488-490	TEE - (MS20826-6)		1
59	491-063	UNION - (AN832-4)		2
60	491-066	UNION - (AN832-6)	4496001 thru 4496011	2
-60A	453-913	UNION - (AN837-6D)	4496012 and up	2
61	491-068	UNION - (AN832-8)	4496001 thru 4496011	2
-61A	458-914	UNION - (AN837-8D)	4496012 and up	2
62	554-759	CLEVIS - (MS 35812-1)		2
63	690-634	WASHER - (NAS1149F1232P)		2
-63A	477-621	NUT - (AS5178D08)	4496012 and up	2
64	477-620	NUT - (AS5178D06)		2
65	690-635	WASHER - (NAS1149F1290P)		8
-65A	477-691	NUT - (AS5178-08)		2
-65B	477-621	NUT - (AS5178D08)		2
66	690-632	WASHER - (NAS1149F0983P)		12
67	477-620	NUT - (AS5178D06)		2
68	404-224	NUT - Check (AN315-3R)		4
69	554-664	CLAMP		2

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
51-				
70	424-176	PIN - (MS 20393-SC15)		2
70A	424-052	COTTER PIN - (MS24665-134)		2
70B	690-609	WASHER - (NAS1149F0332P)		16
71	82732-072	BUSHING		2
72	477-629	NUT - (AS5178-04)		2
73	453-838	BUSHING		4
74	86716-002	BONDING STRAP		6
75	35669-054	PLACARD - Fuel drain (See Figure 77)		RF
76	86546-006	BOTTLE ASSY - Fuel sample		1
76A	86546-003	. TUBE		1
76B	86546-004	. STOPPER		1
76C	690-664	. WASHER - (NAS1149CO463R)		1
76D	434-189	. GROMMET - (MS35489-134)		1
76E	62924-002	. BOTTLE ASSY		1
77	86238-156	TUBE ASSY - Fuel		2
78	86238-155	TUBE ASSY - Fuel		2
-78A	434-137	GROMMET - (MS35489-15)		2
79	86238-153	TUBE ASSY - Fuel, left		1
79A	86238-154	TUBE ASSY - Fuel, right		1
-79B	434-133	GROMMET - (MS35489-12)		2
80	86238-157	TUBE ASSY - Fuel		2
81	458-913	ELBOW - (AS1040D0606)		2
82	458-914	ELBOW - (AS1040D0808)		2
83	86238-005	TUBE ASSY - Fuel		1
84	86471-004	CLAMP		2

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

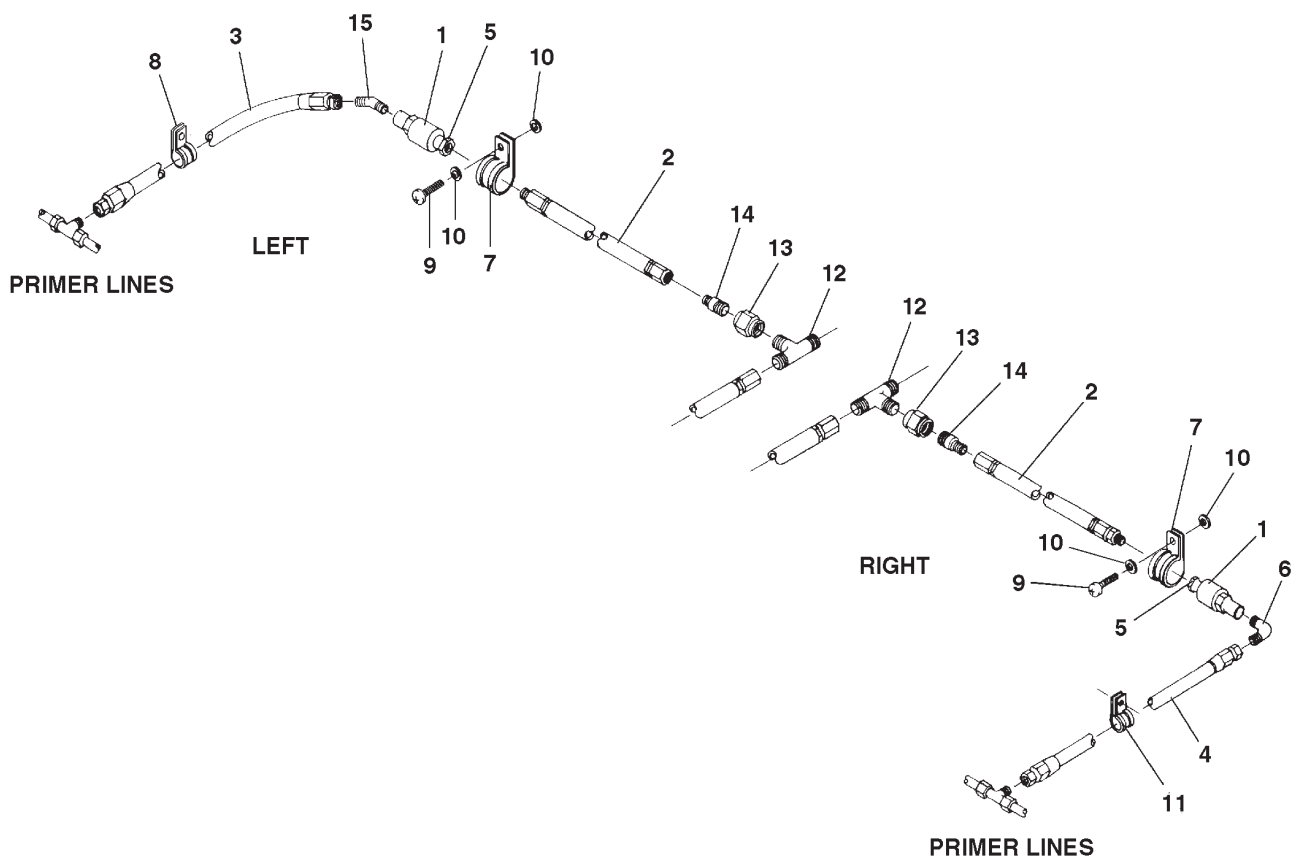


Figure 52. Fuel Primer System Installation

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
52	89367 (G)	DRAWING - Primer System Installation (SEE NOTE 1)		
1	86875-002	VALVE - Solenoid		2
2	63901-144	HOSE ASSY - Fuel primer		2
3	63901-200	HOSE ASSY - Fuel primer		1
4	63901-201	HOSE ASSY - Fuel primer		1
5	476-686	NIPPLE - (AN816-4)		2
6	559-080	ELBOW - (MS20823-2D)		1
7	554-941	CLAMP		2
8	454-935	CLAMP		1
9	411-533	SCREW - (MS35207-264)		2
10	690-612	WASHER - (NAS1149F0363P)		2
11	454-935	CLAMP		1
12	488-489	TEE - (AN804-6)		2
13	477-660	NUT - (AN818-6)		2
14	584-073	REDUCER - (NAS1564-6-4)		2
15	458-872	ELBOW - (MS20822-2D)		1

NOTES:

1. PRIMER NOZZLES AND JETS ARE SUPPLIED BY LYCOMING.

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

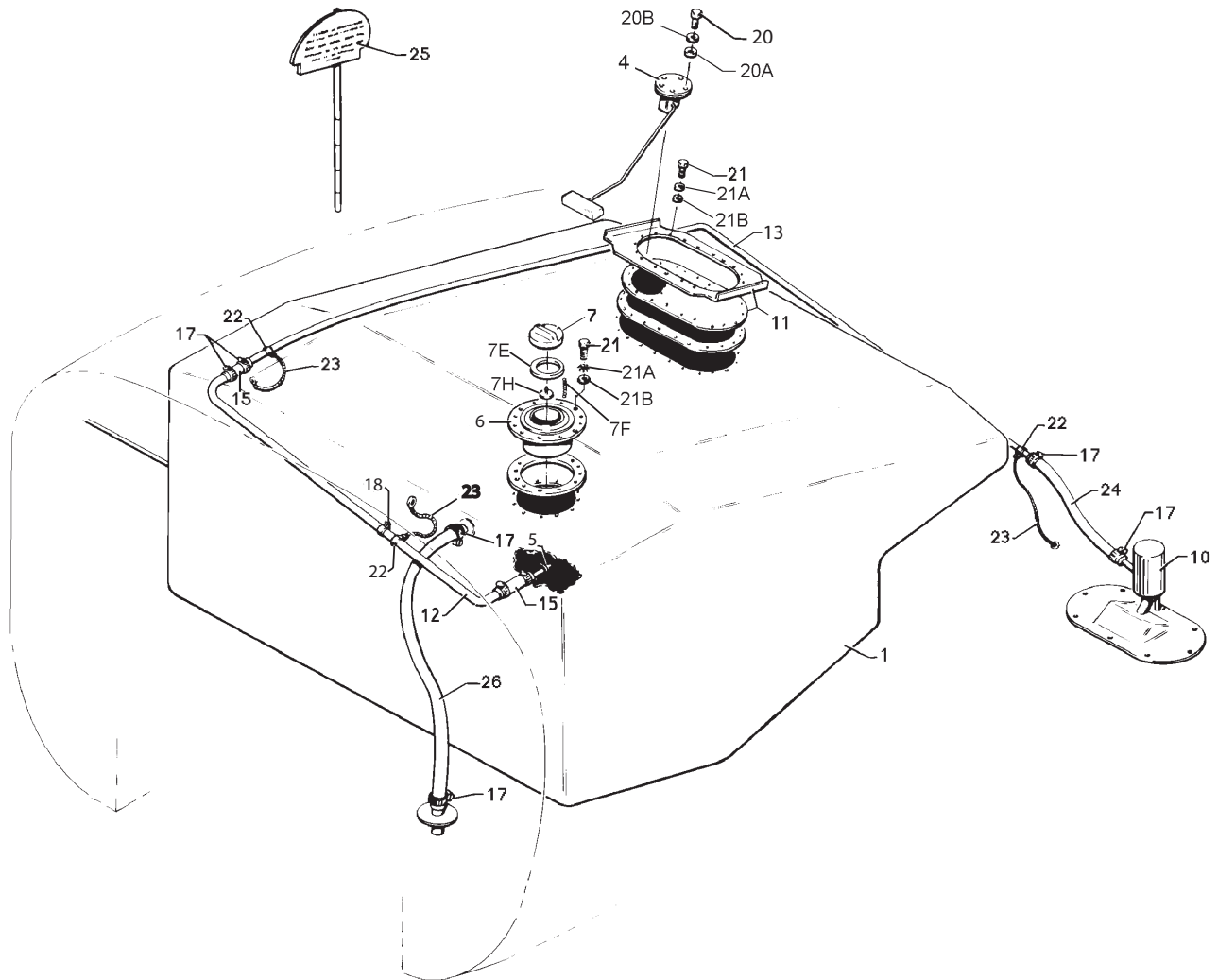


Figure 53. Fuel Cell Installation

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
53	86243 (AC) 86704 (B)	DRAWING - Fuel Cell Installation DRAWING - Gage Assy		
1	454-385	CELL ASSY - Fuel, left (2F1-6-42013-5)		1
-1A	454-386	CELL ASSY - Fuel, right (2F1-6-42013-6)		1
-2	DELETED			
-3	DELETED			
4	86688-002	SENDER - Fuel		2
5	86589-002	CHECK VALVE - Fuel cell		2
6	86588-002	FILLER ASSY - Fuel cell		2
-6A	66812-000	. LUG		1
7	66817-002	. CAP ASSY - Fuel (non-locking)		1
-7A	66810-000	. . LOCK		1
-7B	66811-000	. . COVER		1
-7C	66813-000	. . SPRING		1
-7D	66814-000	. . GASKET		1
7E	66815-000	. . GASKET		1
7F	69202-003	. . CHAIN		1
-7G	492-153	. . VALVE - (VA3123)		1
-8	39830-002	. CAP ASSY - Fuel (with locks)	4496001 thru 4496005	1
-8A	39830-003	. CAP ASSY - Fuel (with locks)	4496006 and up	
-8B	39816-002	. . COVER	4496006 thru 4496005	1
-8C	39816-003	. . COVER	4496006 and up	1
-8D	39827-002	. . LOCK		1
-8E	39828-002	. . SPRING		1
-8F	39829-002	. . GASKET		1
-8G	39855-002	. . PAWL ASSY	4496001 thru 4496005	1
-8H	66815-000	. . GASKET		1
-8J	39856-002	. . LOCK ASSY	4496001 thru 4496005	1
-8K	630-005	. . LOCK - ASSY (DC6085-EA-KD-0625)	4496006 and up	1
-8L	415-532	. . SCREW - (MS35206-242)		2
-8M	485-048	. . O-RING - (MS28775-018)		1
-9	DELETED			
10	86244-002	VENT ASSY - Fuel tank cover, left		1
-10A	86244-003	VENT ASSY - Fuel tank cover, right		1
11	86334-002	COVER ASSY - Fuel cell, left		1
-11A	86334-003	COVER ASSY - Fuel cell, right		1
12	86238-033	TUBE - Fuel cell vent		2
13	86238-034	TUBE - Fuel cell vent		2
-14	DELETED			
15	69015-044	HOSE - Fuel vent		1
-16	DELETED			
17	554-678	CLAMP		10
18	654-048	CLAMP		2
-19	DELETED			
20	400-440	BOLT - (AN3-6A)		10
20A	407-043	WASHER - (MS35338-43)		10
20B	690-612	WASHER - (NAS1149F0363P)		10
20C	690-609	WASHER - (NAS1149F0332P)		10
21	400-002	BOLT - (AN4-5A)	4496001 thru 4496030	80
21	400-003	BOLT - (AN4-6A)	4496031 and up	80
21A	690-611	WASHER - (NAS1149F0463P)		80
21B	407-044	WASHER - (MS35338-44)		80
22	554-574	CLAMP - (AN735-6)		6
23	86716-002	BONDING STRAP		6

-Item not illustrated

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

**THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG**

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
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53-

24	69015-045	HOSE		1
25	86704-002	GAUGE ASSY - Fuel cell (hand held)		1
26	69015-046	HOSE - Drain		1
-26A	454-935	CLAMP		1
-26B	63900-021	BUSHING		1
-26C	411-534	SCREW - (MS35207-265)		1

-Item not illustrated

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

SECTION IX

CONTROL SYSTEM GROUP

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

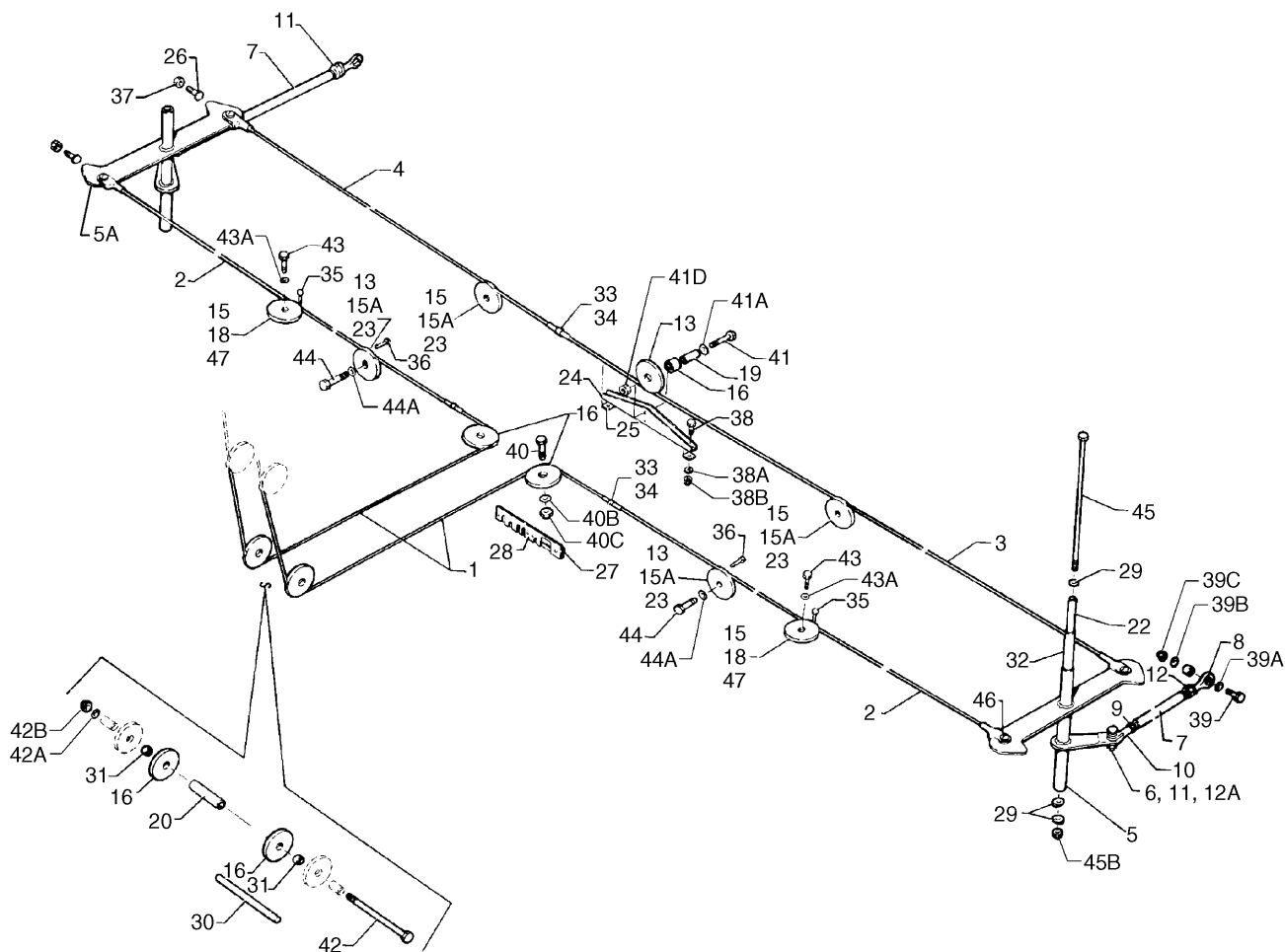


Figure 54. Aileron Control Installation

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
54	86284 (BM) 79700 (AO)	DRAWING - Control System Installation DRAWING - Zinc Chromate and Cable Kit		
1	62701-099	CABLE ASSY - Aileron, forward (galvanized) (Reference Piper Service Bulletin #1048 - latest revision.)		2
1	62701-105	CABLE ASSY - Aileron, forward (stainless steel) (optional)(Reference Piper Service Bulletin #1048 - latest revision.)		2
2	62701-143	CABLE ASSY - Aileron, wing (galvanized) (Reference Piper Service Bulletin #1048 - latest revision.)		2
2	62701-147	CABLE ASSY - Aileron, wing (stainless steel)(optional) (Reference Piper Service Bulletin #1048 - latest revision.)		2
3	62701-123	CABLE ASSY - Aileron, balance, left (galvanized) (optional)(Reference Piper Service Bulletin #1048 - latest revision.)		1
3	62701-120	CABLE ASSY - Aileron, balance, left (stainless steel) (optional)(Reference Piper Service Bulletin #1048 - latest revision.)		1
4	62701-124	CABLE ASSY - Aileron, balance, right (galvanized) (Reference Piper Service Bulletin #1048 - latest revision.)		1
4	62701-121	CABLE ASSY - Aileron, balance, right (stainless steel) (optional)(Reference Piper Service Bulletin #1048 - latest revision.)		1
5	86526-005	BELLCRANK ASSY - Aileron, left		1
5A	86526-006	BELLCRANK ASSY - Aileron, right		1
6	452-603	. BEARING		1
7	35476-003	. ROD ASSY - Aileron		1
8	452-335	. BEARING - Rod end (right hand thread)		1
-8A	452-336	. BEARING - Rod end (left hand thread)		1
9	404-322	. NUT - (right hand thread)(AN316-4R)		1
-9A	404-320	. NUT - (left hand thread)(AN316-4L)		1
10	554-687	. CLEVIS - (MS35812-2)		1
11	63900-119	. BUSHING		2
12	404-322	. NUT - (AN316-4R)		2
12A	400-035	. BOLT - (AN3-10)		1
-12B	690-612	. WASHER - (NAS1149FN363P)		2
-12C	404-100	. NUT - (AN310-3)		1
-12D	424-051	. COTTER PIN - (MS24665-132)		2
13	63955-008	PULLEY		3
14	63955-009	PULLEY		2
15	62711-005	. PULLEY		4
15A	452-339	. BEARING - Pulley, outer - (62713-004)		4
16	41001-010	PULLEY		4
-17	63955-004	PULLEY		1
18	452-437	. BEARING - Pulley, outer - (62713-002)		2
19	62712-002	BEARING - Pulley, inner		1
20	62743-006	BUSHING		1
-21	DELETED			
22	65003-057	BUSHING		2
23	65003-047	BUSHING - Inner		4
24	62746-000	BRACKET - Pulley		1
-24A	424-055	COTTER PIN - (MS24665-138)		1
25	62762-000	FILLER BLOCK		2
26	66614-000	BUMPER - Aileron bellcrank		4
27	67158-003	FAIRLEAD - Lower		1
-27A	418-521	SCREW - (MS35206-231)		2
28	67159-003	FAIRLEAD - Upper		1
29	494-103	WASHER - Aileron bellcrank (97322)		4
30	62710-002	PIN - Cable guard		1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
54-				
31	62743-002	SPACER - Bushing		2
32	63882-068	SLEEVE		2
33	489-910	TURNBUCKLE - (MS21251-B5S)		3
34	554-979	CLIP - (MS21256-1)		6
-35	DELETED			
36	424-513	PIN - (NAS427K19)		2
37	404-224	NUT - (AN315-3R)		4
38	401-266	BOLT - (AN3-5A)		2
38A	690-612	WASHER - (NAS1149FN363P)		2
38B	404-526	NUT - (MS21042-3)		2
39	400-452	BOLT - (AN3-11A)		2
39A	690-609	WASHER - (NAS1149F0332P)		2
39B	690-612	WASHER - (NAS1149FN363P)		6
39C	404-526	NUT - (MS21042-3)		2
40	401-188	BOLT - (AN5-10A)		2
-40A	690-628	WASHER - (NAS1149F0563P)		2
40B	690-619	WASHER - (NAS1149F0532P)		4
40C	404-531	NUT - (MS21042-5)		2
41	400-008	BOLT - (AN4-13A)		1
41A	690-613	WASHER - (NAS1149F0432P)		1
-41B	690-628	WASHER - (NAS1149F0563P)		2
-41C	690-611	WASHER - (NAS1149F0463P)		1
41D	404-530	NUT - (MS21042-4)		1
42	401-385	BOLT - (AN5-64A)		1
42A	690-628	WASHER - (NAS1149F0563P)		2
42B	404-531	NUT - (MS21042-5)		1
43	401-310	BOLT - (AN4-10A)		2
43A	690-611	WASHER - (NAS1149F0463P)		8
-43B	404-530	NUT - (MS21042-4)		2
44	401-315	BOLT - (AN4-15A)		4
44A	690-611	WASHER - (NAS1149F0463P)		4
45	401-289	BOLT - (AN3-63A)		2
-45A	690-612	WASHER - (NAS1149FN363P)		2
45B	404-526	NUT - (MS21042-3)		2
46	400-674	BOLT - (AN23-12)		4
-46A	DELETED			
-46B	690-612	WASHER - (NAS1149FN363P)		8
-46C	404-392	NUT - (AN320-3)		4
-46D	424-051	COTTER PIN - (MS24665-132)		4
47	65003-029	BUSHING - Inner		2

-Item not illustrated

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

**THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG**

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AIRPLANE PARTS CATALOG

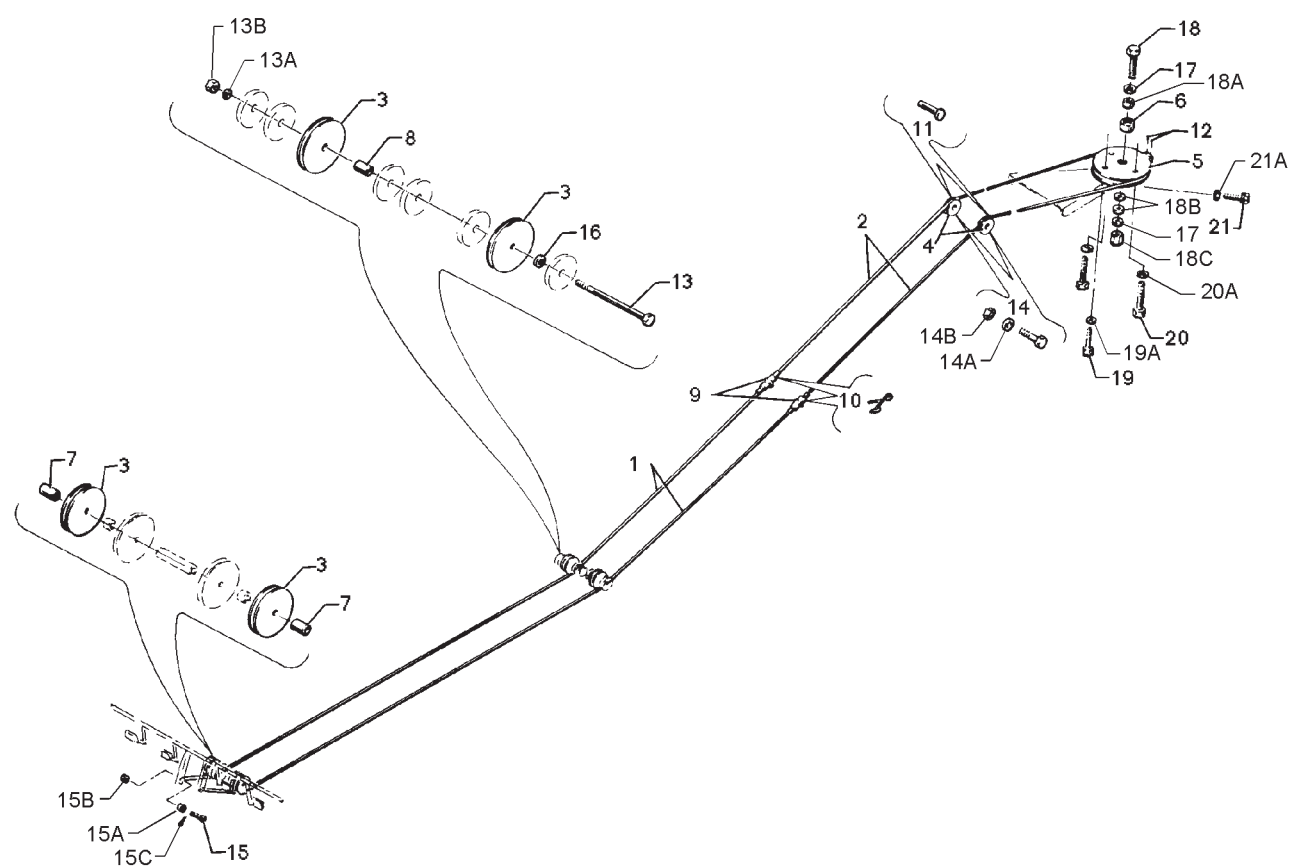


Figure 55. Rudder Control Installation

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
55	86284 (BM) 79700 (AO)	DRAWING - Control System Installation DRAWING - Zinc Chromate and Cable Kit		
1	62701-100	CABLE ASSY - Rudder control, forward (galvanized) (Reference Piper Service Bulletin #1048 - latest revision.)		2
1	62701-106	CABLE ASSY - Rudder control, forward (stainless steel) (optional)(Reference Piper Service Bulletin #1048 - latest revision.)		2
2	62701-154	CABLE ASSY - Rudder control, aft (galvanized) (Reference Piper Service Bulletin #1048 - latest revision.)		1
2	62701-172	CABLE ASSY - Rudder control, aft (stainless steel) (optional)(Reference Piper Service Bulletin #1048 - latest revision.)		1
3	41001-010	PULLEY - Rudder control		4
4	481-652	PULLEY - Rudder control (MS20220-2)		2
5	86496-002	SECTOR ASSY - Rudder		1
6	452-719	. BEARING		1
7	62743-004	SPACER - Rudder control		2
8	62743-005	BUSHING - Rudder control		1
9	489-910	TURNBUCKLE - Rudder cable (MS2125I-B5S)		2
10	554-979	CLIP - Rudder cable (MS21256-1)		4
11	424-506	PIN - (NAS427K12)		2
12	424-059	COTTER PIN - (MS24665-283)		2
13	401-357	BOLT - (AN5-57A)		1
13A	690-628	WASHER - (NAS1149F0563P)		2
13B	404-531	NUT - (MS21042-5)		1
14	401-189	BOLT - (AN5-11A)		2
14A	690-628	WASHER - (NAS1149F0563P)		2
14B	404-531	NUT - (MS21042-5)		2
15	400-672	BOLT - (AN23-10)		2
15A	690-612	WASHER - (NAS1149FN363P)		2
15B	404-392	NUT - (AN320-3)		2
15C	424-051	COTTER PIN - (MS24665-132)		2
16	690-619	WASHER - (NAS1149F0532P)		1
17	62833-086	WASHER		2
18	400-011	BOLT - (AN4-16A)		1
18A	690-613	WASHER - (NAS1149F0432P)		2
18B	690-611	WASHER - (NAS1149F0463P)		AR
18C	404-530	NUT - (MS21042-4)		1
19	401-267	BOLT - (AN3H-5A)		1
19A	690-609	WASHER - (NAS1149F0332P)		1
20	401-276	BOLT - (AN3H-15A)		2
20A	690-609	WASHER - (NAS1149F0332P)		2
21	553-262	SCREW		2
21A	404-224	NUT - (AN315-3R)		2

-Item not illustrated

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

AIRI LANE PARTS CATALOG



Revised: June 10, 2006

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
56	86284 (BM) 79700 (AO)	DRAWING - Control System Installation DRAWING - Zinc Chromate and Cable Kit		
1	62701-160	CABLE ASSY - Rudder trim control, fwd (galvanized) (Reference Piper Service Bulletin #1048 - latest revision.)		2
1	62701-175	CABLE ASSY - Rudder trim control, fwd (stainless steel) (optional)(Reference Piper Service Bulletin #1048 - latest revision.)		2
2	62701-156	CABLE ASSY - Rudder trim control, aft (galvanized) (Reference Piper Service Bulletin #1048 - latest revision.)		1
2	62701-215	CABLE ASSY - Rudder trim control, aft (stainless steel) (optional)(Reference Piper Service Bulletin #1048 - latest revision.)		1
3	96008-002	WHEEL ASSY - Rudder trim		1
-3A	419-520	SCREW - (AN 531-6R8)		3
4	86572-002	ROD ASSY - Rudder trim		1
5	553-619	. BEARING - Rod end (REP3M4-6)		2
6	404-321	. NUT - (AN316-C4R)		2
7	481-640	PULLEY - (MS24566-1B)		2
8	63955-013	Pulley - Rudder trim		2
8A	62715-006	. BEARING - Pulley, outer		2
9	37424-000	SHAFT ASSY - Trim adjustment		1
10	86572-004	ARM ASSY - Travel control		1
11	86572-003	LINK ASSY - Trim travel		1
12	62714-005	BEARING - Pulley, inner		1
14	62714-007	BEARING - Pulley, inner		1
15	95061-145	BUSHING - Spacer		1
16	86700-003	BUSHING		1
17	63900-061	BUSHING		1
18	95061-113	BUSHING		1
-19	DELETED			
20	86364-002	CABLE GUIDE		2
-21	DELETED			
-22	DELETED			
-23	DELETED			
-24	DELETED			
25	489-873	TURNBUCKLE - (MS21251-B2S)		2
26	554-979	CLIP - (MS21256-1)		4
27	690-620	WASHER - (NAS1149F0632P)		1
28	401-282	BOLT - (AN3-27A)		1
28A	690-612	WASHER - (NAS1149FN363P)		2
28B	404-526	NUT - (MS21042-3)		1
29	400-450	BOLT - (AN3-17A)		1
29A	690-612	WASHER - (NAS1149FN363P)		1
29B	690-609	WASHER - (NAS1149F0332P)		AR
29C	404-526	NUT - (MS21042-3)		1
30	400-063	BOLT - (AN3-20)		1
-30A	690-612	WASHER - (NAS1149FN363P)		AR
-30B	690-611	WASHER - (NAS1149F0463P)		AR
30C	690-613	WASHER - (NAS1149F0432P)		AR
30D	404-392	NUT - (AN320-3)		1
-30E	424-051	PIN - Cotter (MS24665-132)		1
31	402-285	BOLT - (AN173-10A) (Reference Piper Service Bulletin #1117 - latest revision)	4496001 thru 4496118	1
31A	690-609	WASHER - (NAS1149F0332P)		2
31B	404-526	NUT - (MS21042-3)		1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
56-				
32	691-348	BOLT - (NAS6603-8)		1
32A	690-609	WASHER - (NAS1149F0332P)		1
32B	404-526	NUT - (MS21042-3)		1
33	424-175	PIN - (MS20392-2C13)		1
33A	424-051	COTTER PIN - (MS24665-132)		1
34	424-533	PIN - (NAS427K38)		1
35	400-680	BOLT - (AN23-18)		1
35A	404-392	NUT - (AN320-3)		1
-35B	424-039	COTTER PIN - (MS24665-69)		1
-35C	690-640	WASHER - (NAS1149F0332P)		2
36	62711-004	PULLEY - Rudder trim		2
37	65003-036	BUSHING		2
38	86700-014	BUSHING		2
39	690-619	WASHER - (NAS1149F0532P)		1
40	690-629	WASHER - (NAS1149F0663P)		1
41	690-627	WASHER - (NAS1149F0832P)		2
42	96596-000	RUDDER TRIM BARREL		1
-42A	424-123	COTTER PIN - (MS24665-368)		2

-Item not illustrated

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

**THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG**

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THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

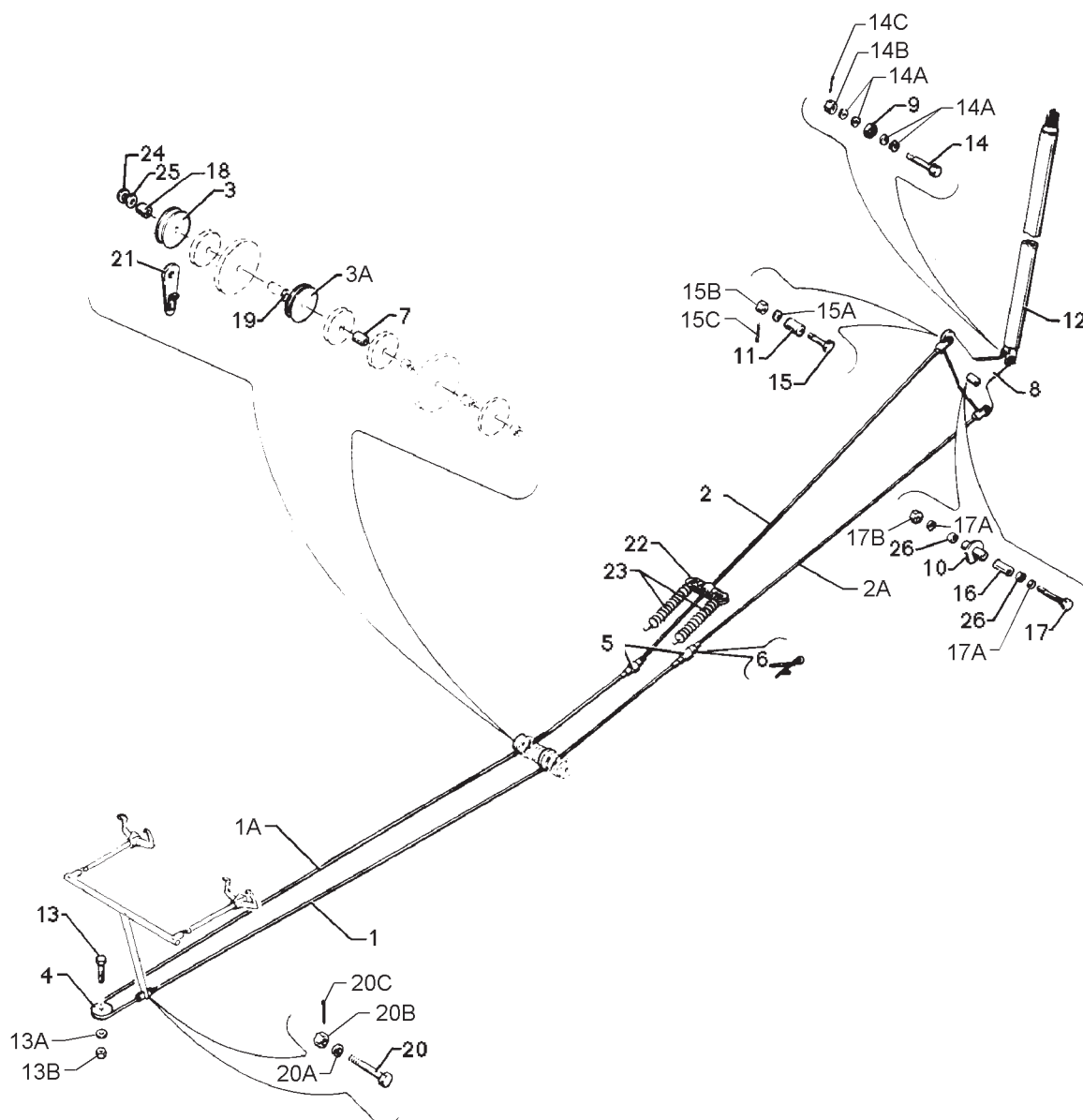


Figure 57. Stabilator Control Installation

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
57	86284 (BM) 79700 (AO)	DRAWING - Control System Installation DRAWING - Zinc Chromate and Cable Kit		
1	62701-113	CABLE ASSY - Stabilator control, fwd, left (galvanized) (Reference Piper Service Bulletin #1048 - latest revision.)		1
1	62701-115	CABLE ASSY - Stabilator control, fwd, left (stainless steel)(optional)(Reference Piper Service Bulletin #1048 - latest revision.)		1
1A	62701-114	CABLE ASSY - Stabilator control, fwd, right (galvanized) (Reference Piper Service Bulletin #1048 - latest revision.)		1
1A	62701-116	CABLE ASSY - Stabilator control, fwd, right (stainless steel)(optional)(Reference Piper Service Bulletin #1048 - latest revision.)		1
2	62701-162	CABLE ASSY - Stabilator control, aft, upper (galvanized) (Reference Piper Service Bulletin #1048 - latest revision.)		1
2	62701-176	CABLE ASSY - Stabilator control, aft, upper (stainless steel)(optional)(Reference Piper Service Bulletin #1048 - latest revision.)		1
2A	62701-153	CABLE ASSY - Stabilator control, aft, lower (galvanized) (Reference Piper Service Bulletin #1048 - latest revision.)		1
2A	62701-171	CABLE ASSY - Stabilator control, aft, lower (stainless steel)(optional)(Reference Piper Service Bulletin #1048 - latest revision.)		1
-3	63955-013	PULLEY		1
3A	63955-003	PULLEY		1
4	481-652	PULLEY - Stabilator control (MS20220-2)		1
-4A	424-054	COTTER PIN - (MS24665-140)		2
5	489-910	TURNBUCKLE - (MS21251-B5S)		2
6	554-979	CLIP - (MS21256-1)		4
-7	DELETED			
8	35804-002	BELLCRANK ASSY - Stabilator		1
9	452-719	. BEARING		1
10	78919-002	. BUSHING ASSY		1
11	95061-148	. BUSHING		2
12	78918-004	PUSHROD ASSY - Stabilator		1
13	401-188	BOLT - (AN5-10A)		1
13A	690-628	WASHER - (NAS1149F0563P)		1
13B	404-531	NUT - (MS21042-5)		1
14	400-107	BOLT - (AN4-12)		2
14A	690-611	WASHER - (NAS1149F0463P)		6
14B	404-101	NUT - (AN310-4)		2
14C	424-052	COTTER PIN - (MS24665-134)		2
15	400-673	BOLT - (AN23-11)		2
15A	690-609	WASHER - (NAS1149F0332P)		2
15B	404-392	NUT - (AN320-3)		2
15C	424-052	COTTER PIN - (MS24665-134)		2
16	95061-150	BUSHING - Stabilator bellcrank		1
17	400-121	BOLT - (AN4-30)		1
17A	690-611	WASHER - (NAS1149F0463P)		2
17B	404-101	NUT - (AN310-4)		1
-17C	424-052	COTTER PIN - (MS24665-134)		1
-18	DELETED			
19	690-620	WASHER - (NAS1149F0632P)		1
-19A	690-629	WASHER - (NAS1149F0663P)		1
20	400-055	BOLT - (AN3-10)		1
20A	690-612	WASHER - (NAS1149FN363P)		1
20B	404-392	NUT - (AN320-3)		1
20C	424-051	COTTER PIN - (MS24665-132)		1
21	86364-002	CABLE GUIDE		1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
57-				
22	96184-000	PLATE - Clamp		2
-22A	415-517	SCREW - (MS35206-227)		2
-22B	404-528	NUT - (MS21042-6)		2
23	37523-000	SPRING - Expansion		2
24	690-619	WASHER - (NAS1149F0532P)		1
25	690-620	WASHER - (NAS1149F0632P)		1
26	690-613	WASHER - (NAS1149F0432P)		2

-Item not illustrated

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

**THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG**

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Revised: September 10, 2006



Figure 58. Stabilator Trim Installation

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
58	86284 (BM) 79700 (AO)	DRAWING - Control System Installation DRAWING - Zinc Chromate and Cable Kit		
1	62701-155	CABLE - Stabilator trim, aft (galvanized) (Reference Piper Service Bulletin #1048 - latest revision.)		1
1	62701-173	CABLE - Stabilator trim, aft (stainless steel)(optional) (Reference Piper Service Bulletin #1048 - latest revision.)		1
2	68414-003	WHEEL ASSY - Trim tab		1
-3	DELETED			
4	68488-002	INDICATOR - Stabilator trim		1
5	78925-003	BARREL - Stabilator trim		1
6	78926-002	SCREWJACK - Stabilator trim		1
7	78969-002	RETAINER - Stabilator trim barrel		1
8	78970-002	GUIDE - Stabilator trim screw		1
9	78921-004	PUSHROD ASSY - Stabilator trim		1
10	38458-002	SPACER - Trim barrel assy		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	690-666	WASHER - (NAS1149F1632P)		1
16	62701-160	CABLE - Stabilator trim, fwd (stainless steel)		2
16	62701-175	CABLE - Stabilator trim, fwd (stainless steel)(optional)		2
-17	DELETED			
-18	DELETED			
19	481-640	PULLEY - (MS24566-1B)		4
20	65639-000	GUARD - Trim pulley		1
-21	DELETED			
-22	DELETED			
23	62714-002	BUSHING - Trim tab		1
24	62714-007	BUSHING - Trim tab		1
25	62714-003	SPACER - Stabilator trim pulley		1
-26	DELETED			
27	95061-031	SPACER		2
28	452-625	BEARING - (NAS76A3-014)		1
29	452-439	BEARING		1
30	38378-002	FRAME ASSY - Fin tip support		1
31	62710-004	PIN - Cable guard		1
32	489-873	BARREL - Turnbuckle (MS21251-B2S)		2
33	554-979	CLIP - Turnbuckle (MS21256-1)		4
34	424-506	PIN - (NAS427K12)		2
35	401-264	BOLT - (AN3H-4A)		3
35A	690-612	WASHER - (NAS1149FN363P)		AR
36	400-450	BOLT - (AN3-17A)		1
-36A	63900-061	BUSHING		1
-36B	690-609	WASHER - (NAS1149F0332P)		2
-36C	404-526	NUT - (MS21042-5)		1
37	424-181	PIN - (MS20392-2C25)		1
-37A	424-051	COTTER PIN - (M524665-132)		1
-37B	424-504	PIN - (NAS427K10)		1
38	401-270	BOLT - (AN3-11A)		2
38A	690-609	WASHER - (NAS1149F0332P)		1
38B	690-612	WASHER - (NAS1149FN363P)		1
-38C	404-526	NUT - (MS21042-3)		1
39	690-619	WASHER - (NAS1149F0532P)		1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
58-				
40	690-629	WASHER - (NAS1149F0663P)		1
41	62833-037	WASHER		1
42	401-269	BOLT - (AN3-10A)		1
42A	690-612	WASHER - (NAS1149FN363P)		2
42B	404-526	NUT - (MS21042-3)		1
43	553-262	BOLT		2
43A	404-224	NUT - (AN315-3R)		2
44	404-323	NUT - (AN316-5R)		1
45	401-893	BOLT - (MS20073-03-11)		1
45A	690-612	WASHER - (NAS1149FN363P)		1

-Item not illustrated

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

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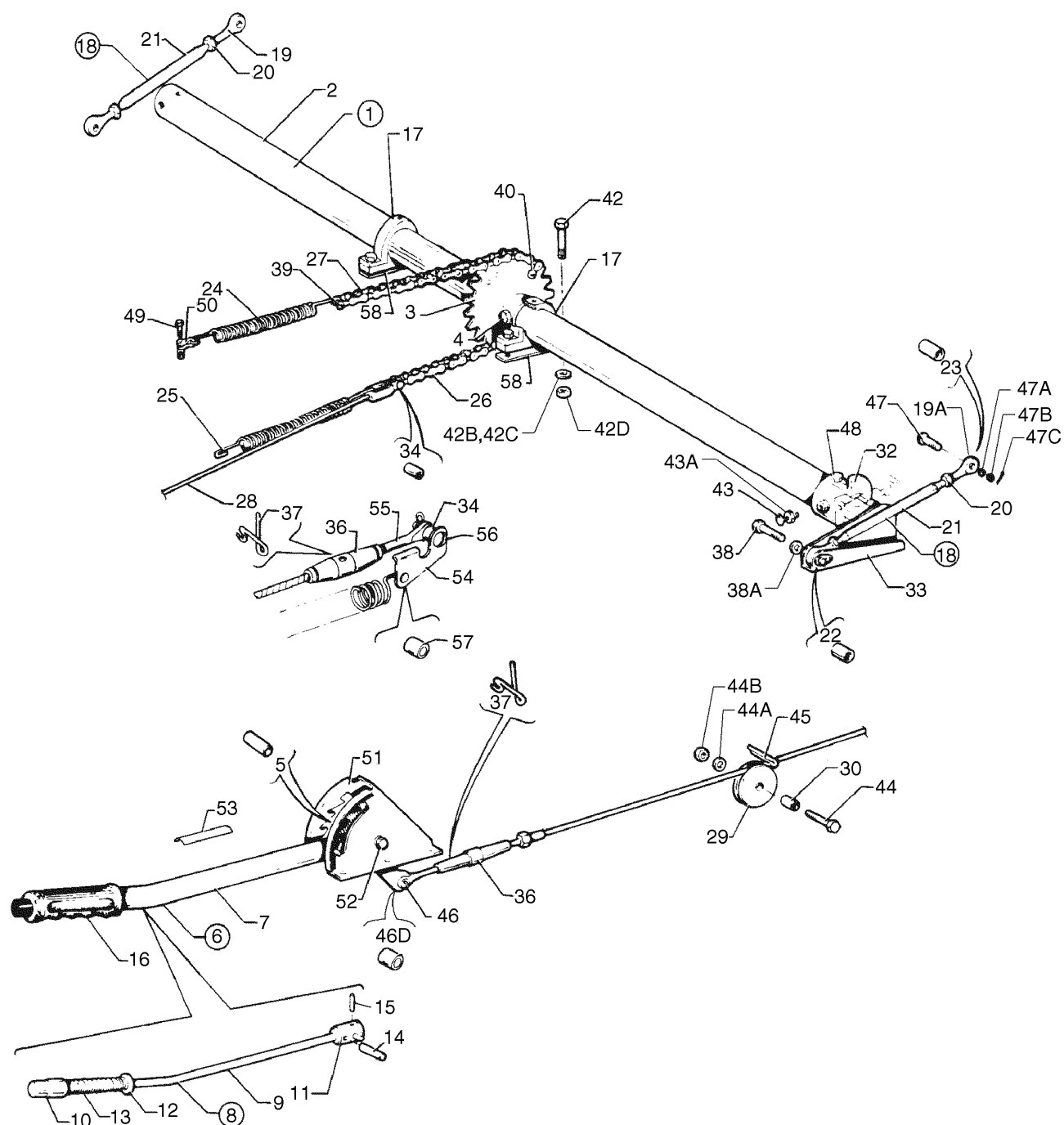


Figure 59. Flap Control Installation

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
59	86284 (BM) 79700 (AO)	DRAWING - Control System Installation DRAWING - Zinc Chromate and Cable Kit		
1	62705-000	FLAP TORQUE TUBE ASSY - Complete		1
2	62725-000	. TORQUE TUBE - Flap		1
3	62789-002	. SPROCKET ASSY - Flap torque tube		1
4	400-011	. BOLT - (AN4-16A)		2
-4A	690-611	. WASHER - (NAS1149F0463P)		2
-4B	404-530	. NUT - (MS21042-4)		2
-5	DELETED			
6	63782-004	HANDLE ASSY - Flap lever		1
7	63781-008	. TUBE ASSY - Flap lever		1
8	63391-003	. PLUNGER ASSY - Flap lever		1
9	63391-002	. . TUBE - Plunger		1
10	62733-000	. . PLUG - Plunger, upper		1
11	62734-002	. . PLUG - Plunger, lower		1
12	62736-000	. . WASHER		1
13	50111-000	. . SPRING		1
14	480-696	. . PIN - Roll		2
15	480-812	. PIN - Roll		1
16	63779-000	. GRIP - Flap lever		1
17	35402-000	CLAMP ASSY - Torque shaft support		2
18	62764-000	ROD ASSY - Flap tube		2
19	452-335	. BEARING		1
19A	452-336	. BEARING		1
20	404-322	. NUT - (AN316-4R RH thread)		1
20A	404-320	. NUT - (AN316-4L LH thread)		1
21	62764-002	. TUBE - Flap		1
22	63900-038	BUSHING - Flap bellcrank		2
23	63900-039	BUSHING - Flap rod end		2
24	62820-000	SPRING - Flap return		1
25	62821-000	SPRING - Flap cable tension		1
26	62858-003	CHAIN - (No. 65 diamond 1/8 roller, length 8.5")		1
27	62858-004	CHAIN - (No. 65 diamond 1/8 roller, length 6.0")		1
28	62701-185	CABLE ASSY - Flap		1
28	62701-186	CABLE ASSY - Flap (stainless steel)(optional)		1
29	63955-004	PULLEY - Flap		1
-30	DELETED			
31	62712-002	BEARING - Inner		1
32	62856-000	FITTING ASSY - Left		1
-32A	62856-001	FITTING ASSY - Right		1
33	62727-000	TUBE ASSY - Flap torque tube, left		1
-33A	62727-001	TUBE ASSY - Flap torque tube, right		1
34	82732-076	BUSHING		1
-35	DELETED			
36	489-910	BARREL - (MS21251-B5S)		1
37	554-979	CLIP - (MS21256-1)		2
38	400-443	BOLT - (AN3-12A)		2
38A	690-612	WASHER - (NAS1149FN363P)		2
39	400-652	BOLT - (AN21-8)		1
-39A	690-640	WASHER - (NAS1149FN632P)		1
-39B	404-391	NUT - (AN320-1)		1
-39C	424-041	COTTER PIN - (MS24665-5)		1
40	400-653	BOLT - Clevis (AN21-9)		2

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
59-				
-40A	690-640	WASHER - (NAS1149FN632P)		6
-40B	404-391	NUT - (AN320-1)		2
-40C	424-041	COTTER PIN - (MS24665-5)		2
-41	DELETED			
42	400-440	BOLT - (AN3-6A)		4
-42A	400-441	BOLT - (AN3-7A)		4
		(Used when two or more torque shaft support shims P/N 35402-04 are installed with each torque shaft support clamp assy)		
42B	690-612	WASHER - (NAS1149FN363P)		4
42C	690-612	WASHER - (NAS1149FN363P)		12
		(Used when two or more torque shaft support shims P/N 35402-04 are installed with each torque shaft support clamp assy)		
42D	404-526	NUT - (MS21042-3)		4
43	411-538	SCREW - (MS35207-269)		2
43A	404-224	NUT - (AN315-3R)		2
44	400-004	BOLT - (AN4-7A)		1
44A	690-613	WASHER - (NAS1149F0432P)		1
44B	404-530	NUT - (MS21042-4)		1
45	424-052	COTTER PIN - (MS24665-134)		1
46	400-673	BOLT - (AN23-11)		1
-46A	690-612	WASHER - (NAS1149FN363P)		1
-46B	404-392	NUT - (AN320-3)		1
-46C	424-051	COTTER PIN - (MS24665-132)		1
46D	63900-174	BUSHING		1
47	400-680	BOLT - Clevis (AN23-18)		1
47A	690-612	WASHER - (NAS1149FN363P)		1
47B	404-100	NUT - (AN310-3)		1
47C	424-051	COTTER PIN - (MS24665-132)		1
48	401-318	BOLT - (AN4-20A)		4
-48A	690-611	WASHER - (NAS1149F0463P)		4
-48B	404-530	NUT - (MS21042-4)		4
49	401-266	BOLT - (AN3-5A)		1
-49A	690-612	WASHER - (NAS1149FN363P)		1
-49B	404-526	NUT - (MS21042-3)		1
50	486-563	SHACKLE - (AN115-16)		1
-51	DELETED			
52	401-274	BOLT - (AN3-15A)		1
-52A	690-612	WASHER - (NAS1149FN363P)		2
-52B	404-526	NUT - (MS21042-3)		1
53	35669-027	PLACARD - Flap lever (See Figure 77)		RF
54	96681-000	CLIP - Flap cable tension spring		1
-54A	96681-001	CLIP - Flap cable tension spring		1
55	62840-003	TURNBUCKLE - Eye		1
56	400-656	BOLT - (AN21-11)		1
-56A	690-640	WASHER - (NAS1149FN632P)		3
-56B	404-391	NUT - (AN320-1)		1
-56C	424-041	PIN - Cotter (MS24665-5)		1
57	95061-076	SPACER		1
58	35402-004	SHIM - Torque shaft support		AR

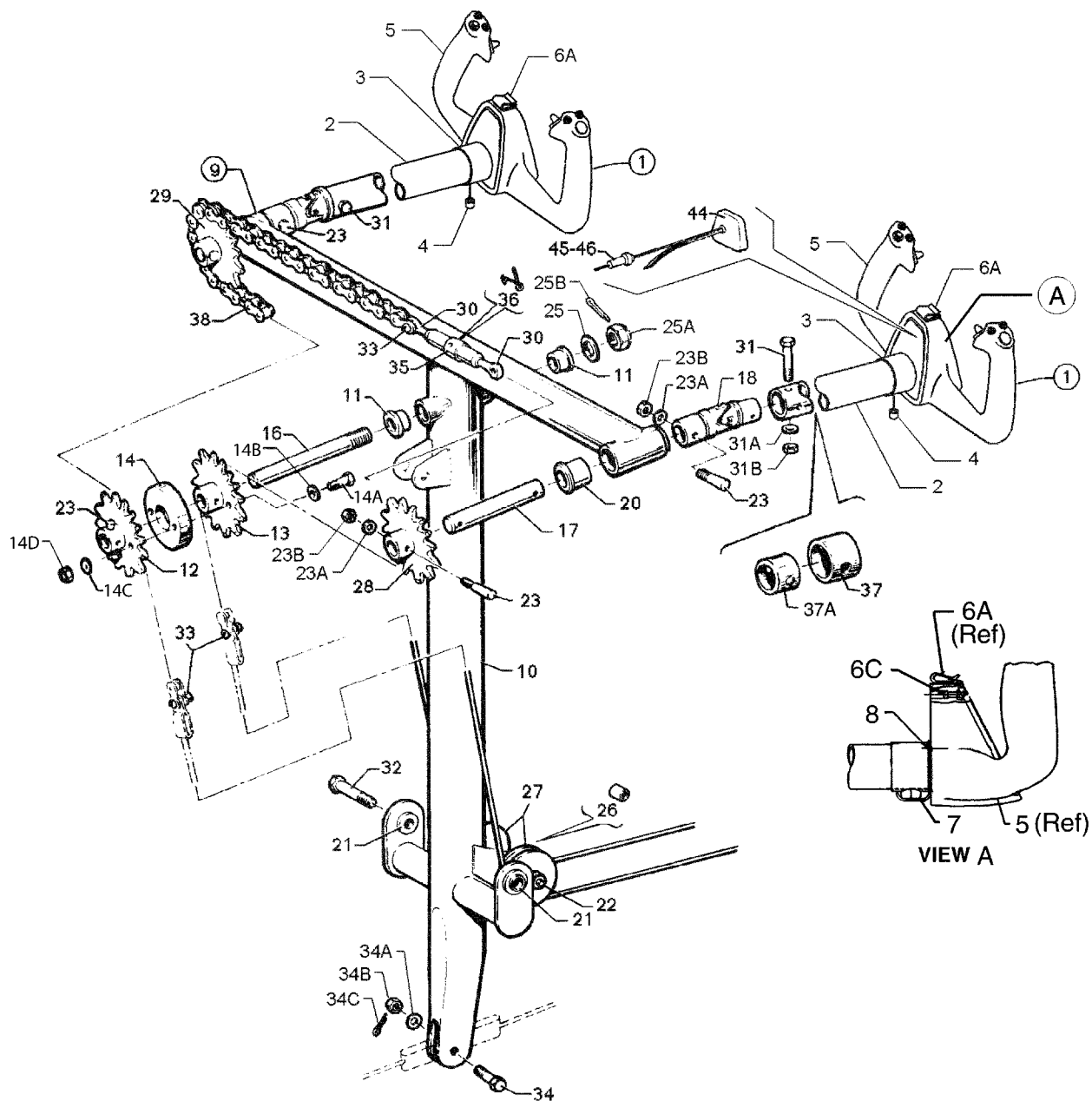
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When ordering, always specify Part Number, Description, and Serial Number of Aircraft

**THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG**

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Revised: December 10, 2005



THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
60	86284 (BM)	DRAWING - Control System Installation		
1	100572-002	WHEEL ASSY - Control (complete)		2
2	100571-002	. TUBE ASSY		1
-2A	101118-003	.. SPACER ASSY (Reference Piper Service Bulletin #1139, latest revision.)		1
3	101105-002	. SPACER		1
4	410-047	. SCREW - (MS24694S60)		1
5	100572-004	. WHEEL ASSY		1
-6	599-608	.. CONTROL WHEEL - (5299-001)		1
6A	654-212	.. CLIP - (LP-7000)		1
-6B	474-364	.. MEDALLION - (5299-013) (Reference Piper Service Bulletin #1139, latest revision.)		1
6C	520-025	.. SCREW - (MS16997-22) (Reference Piper Service Bulletin #1139, latest revision.)		2
-6D	380-011	.. TAPE		AR
7	104687-002	.. CLIP		1
8	416-390	.. SCREW - (MS 24693-S40)		1
9	62019-003	CONTROL COLUMN ASSY		1
10	62703-033	. TEE BAR ASSY - Control column		1
11	452-372	.. BEARING		2
-11A	63900-051	.. BUSHING		1
12	63409-002	. SPROCKET ASSY		1
13	62778-000	.. SPROCKET - Aileron control		1
14	62782-000	.. SPACER - Aileron control sprocket		1
14A	401-269	.. BOLT - (AN3-10A)		2
14B	690-609	.. WASHER - (NAS1149F0332P)		2
14C	62784-000	.. WASHER - Aileron control sprocket		2
14D	404-526	.. NUT - (MS21042-3)		2
-14E	690-612	.. WASHER - (1149F0363P) (aileron control sprocket)		2
-15	63405-002	.. SHAFT ASSY		1
-15A	63404-000	... SPROCKET - Aileron control		1
16	69077-000	... SHAFT - Aileron control sprocket		1
17	68028-003	. SHAFT - Aileron control sprocket		2
18	62834-002	.. UNIVERSAL JOINT		2
-19	DELETED			
20	452-389	. BUSHING		4
21	452-388	. BEARING - (F4DD)		2
22	401-333	. BOLT - (AN4-35A)		1
-22A	690-611	. WASHER - (NAS1149F0463P)		4
-22B	404-530	. NUT - (MS21042-4)		1
23	480-730	. PIN - (AN386-1-6A)		5
23A	494-093	. WASHER - (AN975-3)		5
23B	404-835	. NUT - (MS20364-1032C)		5
24	DELETED			
25	690-630	. WASHER - (NAS1149F0763P)		1
25A	404-104	. NUT - (AN310-7)		1
25B	424-060	. COTTER PIN - (AN380-3-4)		1
26	62712-004	. BUSHING - Aileron control pulley, inner		2
27	481-651	. PULLEY - Aileron control (MS20220-1)		2
28	62839-000	. SPROCKET ASSY - Aileron control		1
29	62845-002	. SPROCKET - Aileron control		1
30	62840-002	EYE BOLT - Turnbuckle, left		1
30A	62840-003	EYE BOLT - Turnbuckle, right		1
31	66546-000	BOLT - Special		4

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
60-				
31A	690-609	WASHER - (NAS1149F0332P)		4
31B	404-526	NUT - (MS21042-3)		4
32	401-310	BOLT - (AN4-10A)		2
-32A	62833-085	WASHER - Control column attachment, left		2
-32B	62833-086	WASHER - Control column attachment, right		2
-32C	404-530	NUT - (MS21042-4)		2
33	400-653	BOLT - (AN21-9)		4
-33A	82732-076	BUSHING		4
-33B	404-391	NUT - (AN320-1)		4
-33C	424-041	COTTER PIN - (MS24665-5)		4
34	400-056	BOLT - (AN3-11)		1
34A	690-612	WASHER - (NAS1149FN363P)		1
34B	404-392	NUT - (AN320-3)		1
34C	424-051	COTTER PIN - (MS24665-132)		1
35	489-910	TURNBUCKLE - (MS21251-B5S)		1
36	554-979	CLIP - (MS21256-1)		2
37	67193-003	STOP - Tee bar, left		1
37A	553-778	SNAP BUSHING		2
-37B	402-757	BOLT - (NAS428-3A7) (for stop)		2
-37C	404-526	NUT - (MS21042-3) (for stop)		2
38	62858-002	CHAIN - Aileron control		2
-39	DELETED			
-40	DELETED			
-41	DELETED			
-42	DELETED			
43	67984-002	CLIP ASSY - Map		1
-44	DELETED			
-45	DELETED			
-46	DELETED			
-47	DELETED			
-48	DELETED			
-49	DELETED			

-Item not illustrated

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AIRPLANE PARTS CATALOG

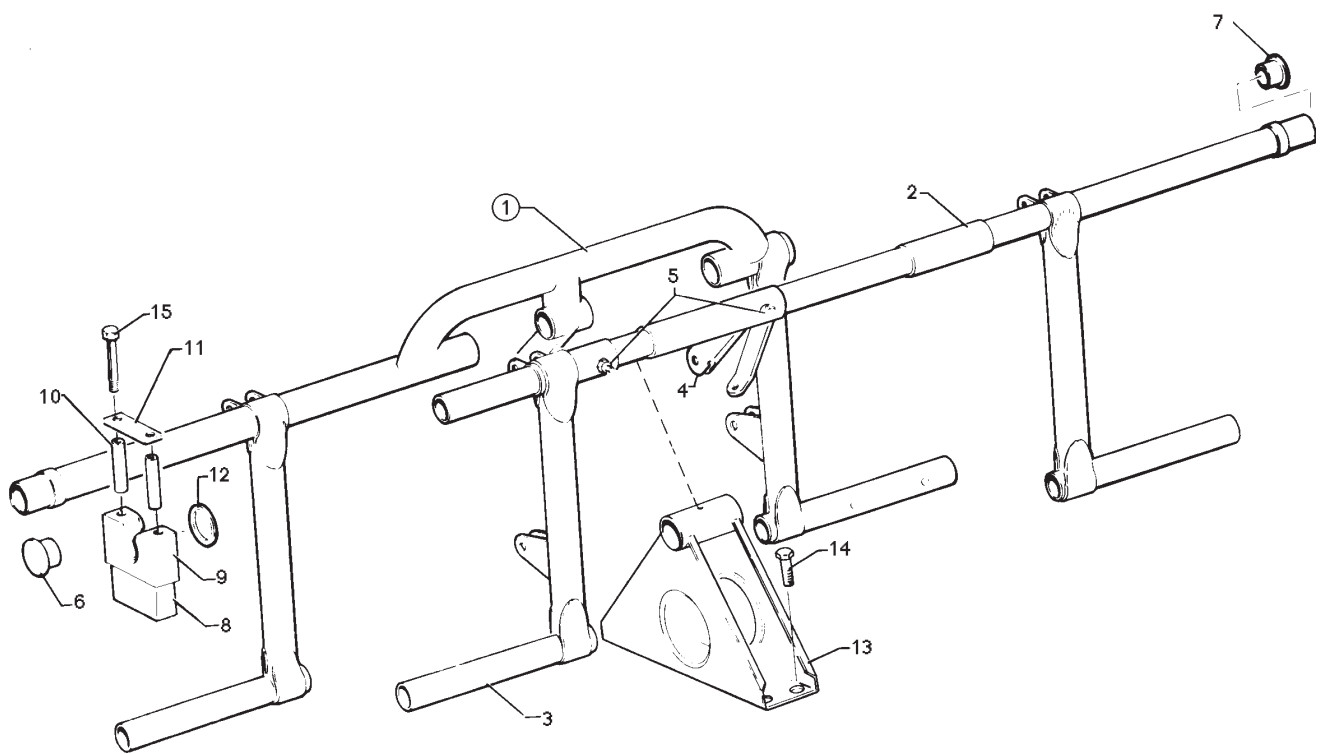


Figure 61. Rudder Pedal Installation

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
61	86284 (BM) 86287 (F)	DRAWING - Control System Installation DRAWING - Control Assy - Rudder Toe Brakes		
1	63420-011	BAR ASSY - Rudder control, left		1
2	63419-004	BAR ASSY - Rudder control, right		1
3	63458-008	TUBE ASSY - Rudder control		1
4	86754-002	ARM ASSY - Rudder control		1
5	691-309	BOLT - (NAS6604-15)		2
-5A	690-611	WASHER - (NAS1149F0463P)		4
-5B	404-530	NUT - (MS21042-4)		2
6	581-330	PLUG - Rudder pedal assy		1
7	581-332	PLUG - Rudder pedal assy		1
8	63456-000	BLOCK - Rudder bar support, bottom		2
9	65050-000	BLOCK - Rudder bar support, top		2
10	65003-003	BUSHING - Rudder bar support		4
11	63455-000	PLATE - Rudder bar support		6
12	62833-017	WASHER - Rudder bar support		2
13	63451-000	SUPPORT ASSY - Rudder bar		1
14	400-438	BOLT - (AN3-4A)		4
15	400-456	BOLT - (AN3-31A)		4
-15A	404-526	NUT - (MS21042-3)		4

-Item not illustrated

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SECTION X

HYDRAULIC SYSTEM GROUP

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

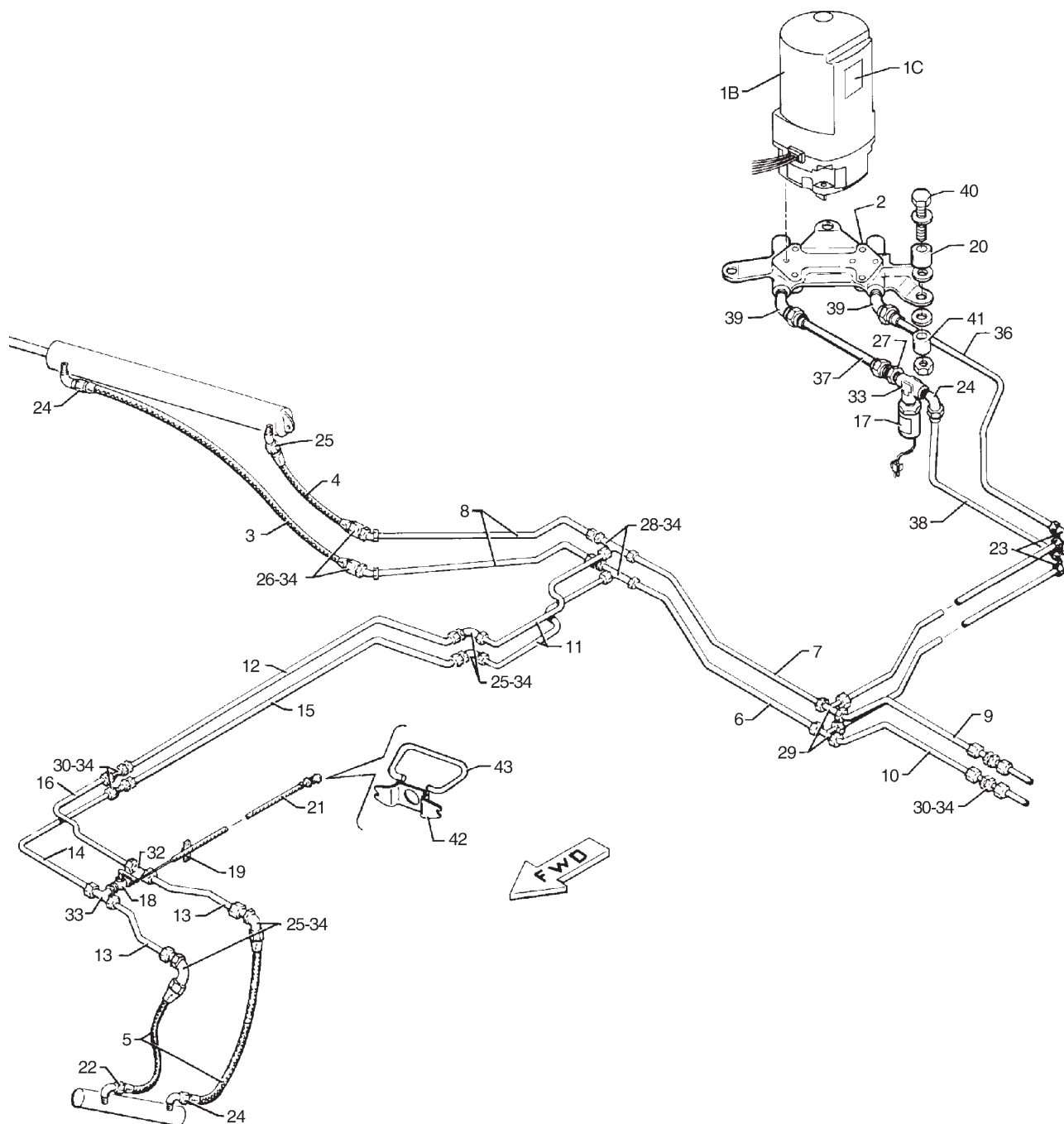


Figure 62. Hydraulic System Installation

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AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
62	86208 (AH)	DRAWING - Hydraulic Landing Gear Installation		
-1	38992-007	HYDRAULIC PUMP ASSY		1
-1A	38998-005	. PUMP ASSY - Hydraulic		1
1B	481-879	. . PUMP - Hydraulic		1
1C	87369-072	PLACARD - Hydraulic fluid spec.		1
2	38995-002	MOUNT ASSY - Hydraulic pump		1
3	63901-021	HOSE ASSY - Main gear cylinder		2
4	63901-030	HOSE ASSY - Main gear cylinder		2
5	63901-030	HOSE ASSY - Nose gear cylinder		2
6	86238-013	TUBE ASSY - Main gear, bottom		1
7	86238-015	TUBE ASSY - Main gear, top		1
8	86238-080	TUBE ASSY - Main gear		4
-8A	86471-003	. CLAMP - Tubular		1
-8B	411-539	. SCREW - (MS35207-270)		1
-8C	404-526	. NUT - (MS20364-1032C)		1
-8D	690-609	. WASHER - (NAS1149F0332P)		2
9	84015-088	TUBE ASSY - Main gear, top		1
10	84015-089	TUBE ASSY - Main gear, bottom		1
11	86238-020	TUBE ASSY - Nose gear		2
12	86238-021	TUBE ASSY - Nose gear, top		1
-12A	86471-006	. CLAMP - Tubular		2
-12B	411-535	. SCREW - (MS35207-266)		1
-12C	404-526	. NUT - (MS20364-1032C)		1
-12D	690-609	. WASHER - (NAS1149F0332P)		2
13	86238-022	TUBE ASSY - Nose gear		2
14	86238-024	TUBE ASSY - Nose gear		1
15	86238-026	TUBE ASSY - Nose gear, bottom		1
16	86238-038	TUBE ASSY - Nose gear		1
17	86360-002	SWITCH ASSY - Pressure		1
-17A	587-847	. SWITCH - (211C243-12)		1
18	492-303	VALVE - (P100-717)		1
-18A	86700-006	. SPACER		2
-18B	486-879	. SLEEVE - (Nicompress 28-1-C)		1
19	66853-000	CLAMP - Cable		1
-19A	453-732	. BUSHING		1
-19B	411-530	. SCREW - (MS35207-261)		2
-19C	404-526	. NUT - (MS21042-3)		2
20	65003-030	BUSHING		3
21	63902-029	CABLE ASSY - Control		1
-21A	96166-000	. CLIP - Retainer		1
-21B	96167-000	. RETAINER		1
-21C	63904-090	. SLEEVE		1
22	67524-000	ELBOW - Restricted		1
23	458-880	ELBOW - (AN821-4D)		2
24	458-894	ELBOW - (MS20822-4D)		3
25	458-900	ELBOW - (AN833-4D)		4
-25A	407-608	. WASHER - (AN960-PD716)		2
26	458-910	ELBOW - (AS1040D0404)		4
27	67600-000	FITTING - Restricted		1
28	488-311	TEE - (AN804-4D)		2
29	488-383	TEE - (AN834-4D)		2
30	491-060	UNION - (AN832-4D)		4
-31	DELETED			
32	488-499	TEE - (AN825-4D)		1

-Item not illustrated

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FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
62-				
-32A	454-935	. CLAMP		1
-32B	411-533	. SCREW - (MS35207-264)		1
-32C	404-887	. NUT - (MS21042-3)		1
-32D	690-609	. WASHER - (NAS1149F0332P)		1
33	488-499	TEE - (825-4D)		1
-33A	454-935	. CLAMP		1
-33B	411-533	. SCREW - (MS35207-264)		1
-33C	404-887	. NUT - (MS21042-3)		1
-33D	690-609	. WASHER - (NAS1149F0332P)		1
34	477-618	NUT - (AS5178D04)		16
-34A	690-630	WASHER - (NAS1149F073P)		16
-35	DELETED			
-35A	DELETED			
36	86238-057	TUBE ASSY - Hydraulic pump		1
-36A	454-929	. CLAMP		1
-36B	95061-020	. SPACER		1
-36C	690-612	. WASHER - (NAS1149F0363P)		1
-36D	411-533	. SCREW - (MS35207-264)		1
-36E	404-526	. NUT - (MS20364-1032C)		1
37	86238-056	TUBE ASSY - Hydraulic pump		1
38	86238-058	TUBE ASSY - Hydraulic pump		1
39	458-891	ELBOW - (AN823-4D)		2
40	400-443	BOLT - (AN3-12A)		3
-40A	494-192	. WASHER - (SST5712-45)		6
-40B	434-120	. GROMMET - (MS35489-64)		1
41	65003-021	. BUSHING		3
42	96166-000	CLIP - Retainer		1
43	96167-000	RETAINER		1
44	86238-059	TUBE ASSY		1
45	86238-031	TUBE ASSY		1
-45A	67534-000	. TUBE SUPPORT		1
-45B		. DELETED		
-45C	95061-080	. SPACER		1
-45D	411-537	. SCREW - (MS35207-268)		1
-45E	404-526	. NUT - (MS20364-1032C)		1
-45F	454-929	. CLAMP		2
-46	488-701	STRAP - (MS3367-7-9)		1
-47	488-474	TEE - (AN917-10)		1
-48	454-932	CLAMP		2

-Item not illustrated

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SECTION XI

ENVIRONMENTAL GROUP

THE NEW PIPER AIRCRAFT, INC.
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AIRPLANE PARTS CATALOG

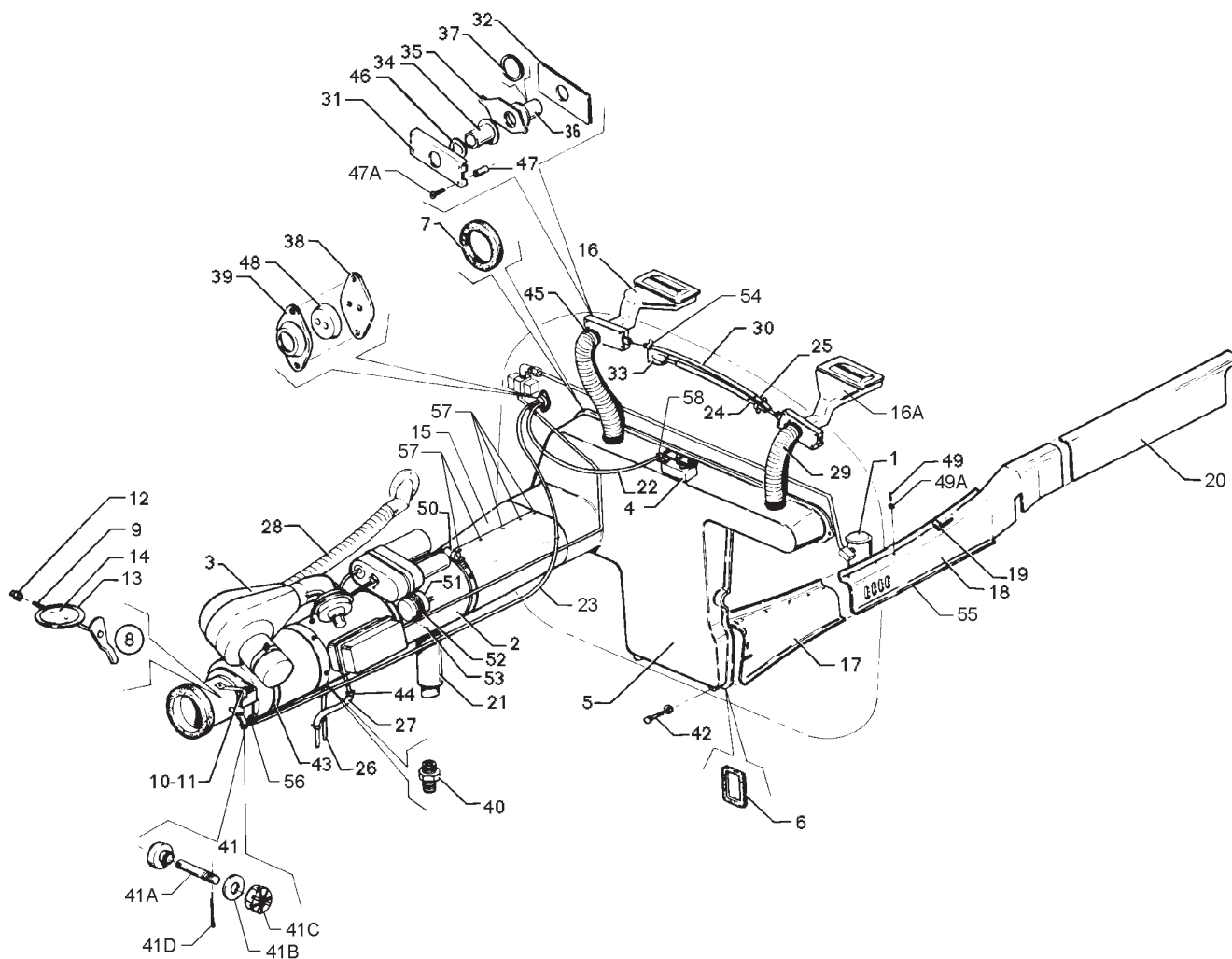


Figure 63. Heat and Defrost System Installation

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
63	86193 (AL) 86679 (E) 76220 (B) 104598 (D)	DRAWING - Janitrol Heater Installation DRAWING - Defroster System Installation DRAWING - Duct Installation DRAWING - Janitrol Heater Installation	4496001 thru 4496037 4496038 and up	
1	-----	HEATER FUEL SYSTEM INSTALLATION (See Figure 66 for component parts)		
2	464-427	JANITROL HEATER ASSY - (90D38-2) (See Figure 64 for component parts)	4496001 thru 4496037	1
2A	691-702	JANITROL HEATER ASSY - (90D38-2 (EL)) (See Figure 64 for component parts)	4496038 and up	1
3	452-955	COMBUSTION AIR BLOWER AND MOTOR ASSY - (90D39-1)(See Figure 65 for component parts)		1
4	587-931	SWITCH ASSY - Adjustable duct (See Figure 65 for component parts)		1
-4A	415-518	SCREW - (MS35206-228)		2
-4B	690-639	WASHER - (NAS1149FN616P)		2
5	86430-002	MANIFOLD ASSY - Janitrol heater		1
6	86430-004	. SEAL - Lower		2
7	86430-005	. SEAL - Upper		2
8	86195-002	VALVE ASSY - Heater air inlet		1
9	86195-011	. SHAFT ASSY - Air inlet		1
10	487-925	. SWITCH - (V3-1)		2
11	451-827	. ACTUATOR - (JV-82)		1
-11A	415-511	. SCREW - (MS35206-221)		2
-11B	404-530	. NUT - (MS21042-04)		2
12	453-732	. BUSHING		2
13	86195-009	. SEAL - Valve		2
14	86195-010	. BUTTERFLY - Valve		2
-14A	411-486	. SCREW - (MS35207-217)		2
-14B	404-530	. NUT - (MS21042-04)		2
15	86672-002	DUCT ASSY - Heater		1
16	79615-002	DUCT ASSY - Defroster air, left		1
16A	79615-003	DUCT ASSY - Defroster air, right		1
17	76219-000	DUCT ASSY - Cabin heat, front, left		1
-17A	76219-001	DUCT ASSY - Cabin heat, front, right		1
18	99416-008	DUCT ASSY - Cabin heat, center, left		1
-18A	99416-009	DUCT ASSY - Cabin heat, center, right		1
19	66980-000	. KNOB - Heat duct		1
20	76129-003	DUCT - Cabin heat, rear, left		1
-20A	76129-004	DUCT - Cabin heat, rear, right		1
21	86473-002	SHROUD - Exhaust	4496001 thru 4496037	1
-21A	78444-000	SHROUD - Exhaust	4496038 and up	1
22	554-375	CABLE ASSY - Switch control		1
23	554-484	CABLE ASSY - Air inlet		1
24	554-143	CABLE ASSY - Defroster control		1
25	554-144	CABLE ASSY - Defroster		1
26	86671-002	LINE ASSY - Heater fuel drain		1
27	86193-003	TUBE - Drain		1
28	78442-004	TUBING - Air inlet (7.25" L.)		1
-28A	424-071	SPLIT PIN - (MS24665-360)		2
29	63633-061	HOSE - Defrost duct		2
30	63882-031	SLEEVE - Control cables		2
31	69273-000	HOUSING - Defroster valve		2

-Item not illustrated

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THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
63-				
32	69274-000	PLATE - Defroster valve		2
33	69275-000	CLAMP - Defroster cable		1
-33A	415-513	SCREW - (MS35206-226)		3
-33B	690-640	WASHER - (NAS1149FN632P)		3
-33C	404-528	NUT - (MS21042-06)		3
34	69279-000	TUBE - Defroster valve		4
35	67705-000	GATE - Defroster valve		2
36	65318-000	OUTLET - Defroster air		2
37	484-841	O-RING - (NAS1593-213)		2
38	68771-002	GASKET - Firewall		1
39	66789-000	PLATE - Firewall		2
40	476-648	NIPPLE - (AN816-4D)		1
41	70371-002	FITTING - Swivel		2
41A	70371-003	STUD - Swivel fitting		2
41B	81342-018	WASHER - Swivel fitting		2
41C	404-392	NUT - (AN320-3)		2
41D	424-051	COTTER PIN - (MS24665-132)		2
42	401-266	BOLT - (AN3-5A)		4
-42A	690-612	WASHER - (NAS1149F0363P)		4
43	554-848	CLAMP - (SAE TY-F96SS)		2
44	454-833	CLAMP		2
45	454-985	CLAMP		6
46	494-123	WASHER - Spring (W1351-015)		2
-46A	62833-104	WASHER		2
47	65003-043	BUSHING		8
47A	415-523	SCREW - (MS35206-233)		8
-47B	690-640	WASHER - (NAS1149FN632P)		8
-47C	404-528	NUT - (MS21042-06)		8
48	68770-009	GROMMET - Firewall		2
49	419-681	SCREW		38
49A	494-001	WASHER - (MS27129-1)		38
50	36517-002	CLAMP - Heater		1
-50A	415-531	SCREW - (MS35206-241)		1
-50B	407-604	WASHER - (AN960-PD8)		1
51	548-579	INDICATOR - Heater hour meter (optional)(3000-00005)		1
52	654-104	CLAMP - (MS21919-DG32)		2
53	415-533	SCREW - (MS35206-243)		1
54	454-887	CLAMP		3
-54A	411-533	SCREW - (MS35207-264)		3
-54B	690-612	WASHER - (NAS1149F0363P)		6
-54C	404-526	NUT - (MS21042-3)		3
55	76141-002	INSULATION		1
-55A	76141-003	INSULATION		1
56	454-887	CLAMP		1
-56A	411-533	SCREW - (MS35207-264)		1
-56B	67656-002	SPACER		1
-56C	690-612	WASHER - (NAS1149F0363P)		1
-56D	404-526	NUT - (MS20364-1032C)		1
57	519-851	SCREW - (MS24622-30)		5
-57A	408-043	WASHER - (MS35333-38)		5
58	454-887	CLAMP		1
-58A	415-518	SCREW - (MS35206-228)		1
-58B	404-528	NUT - (MS21042-6)		1

-Item not illustrated

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AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
63-				
-59	86255-004	PUMP ASSY - Fuel, Electric (See Figure 66 for component parts)	4496001 thru 4496037	
-59A	86255-005	PUMP ASSY - Fuel Electric (See Figure 66 for component parts)	4496038 and up	
-59B	86255-006	PUMP ASSY - Fuel Electric (See Figure 66 for component parts)	4496038 and up	

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
64	86193 (AL) 104598 (D)	DRAWING - Janitrol Heater Installation DRAWING - Combustion Heater Installation	4496001 thru 4496037 4496038 and up	
1	464-427	HEATER ASSY - (90D38-2)	4496001 thru 4496037	1
-1A	691-702	HEATER ASSY - (90D38-2 (EL))	4496038 and up	
2	755-456	. IGNITION ASSY		1
-3	DELETED			
-4	DELETED			
5	752-135	. JACKET ASSY - (87D36-6)		1
6	755-243	. HEAD ASSY - Combustion (83D55-1)		1
7	762-111	. TUBE ASSY - Combustion (88D93-10, -10 (EL))		1
-7A	434-145	. GROMMET - (MS3489-35)		1
8	754-833	. FUEL FEED AND NOZZLE HOLDER ASSY (83D41-1)		1
9	758-299	. BOX ASSY - Fuel shroud, lower (87D77-1)		1
10	758-300	. BOX - Fuel shroud, upper (87D69-1)		1
-10A	434-128	. GROMMET - (MS35489-17)		1
11	758-303	. BLOWER ASSY - Vent air (86D65-2)		1
-12	DELETED			
-13	DELETED			
-14	DELETED			
-15	DELETED			
-16	DELETED			
-17	DELETED			
-18	DELETED			
19	752-563	. NUT - (MS35691-45)		1
-20	DELETED			
21	752-529	. NOZZLE - Fuel (C08D09)		1
22	757-792	. SOLENOID ASSY - Fuel (85D42-2)		1
23	763-035	. ADAPTER - Elbow (96D20-1)		1
24	756-178	. SWITCH - Cycling (A07D32)		1
25	756-177	. SWITCH - Overheat (A07D29)		1
26	757-756	. SWITCH - Pressure (94E42-3)		1
27	751-874	. GASKET - Limit switch (14D29)		2
28	751-922	. GASKET - (A09D77)		1
29	755-022	. GASKET - (F44A06)		1
30	751-920	. GASKET - (29D28)		1
-31	DELETED			
32	757-334	. PLUG - Spark (39D18)		1
-33	DELETED			
34	754-779	. ELBOW - (83D50-1)		1
-35	DELETED			
36	755-401	. INSULATOR - Terminal strip (43D05)		1
37	755-615	. NIPPLE - (16E07-3)		1
38	434-139	. GROMMET - (MS35489-18)		1
-37A	434-160	. GROMMET - (MS35489-8S)		1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

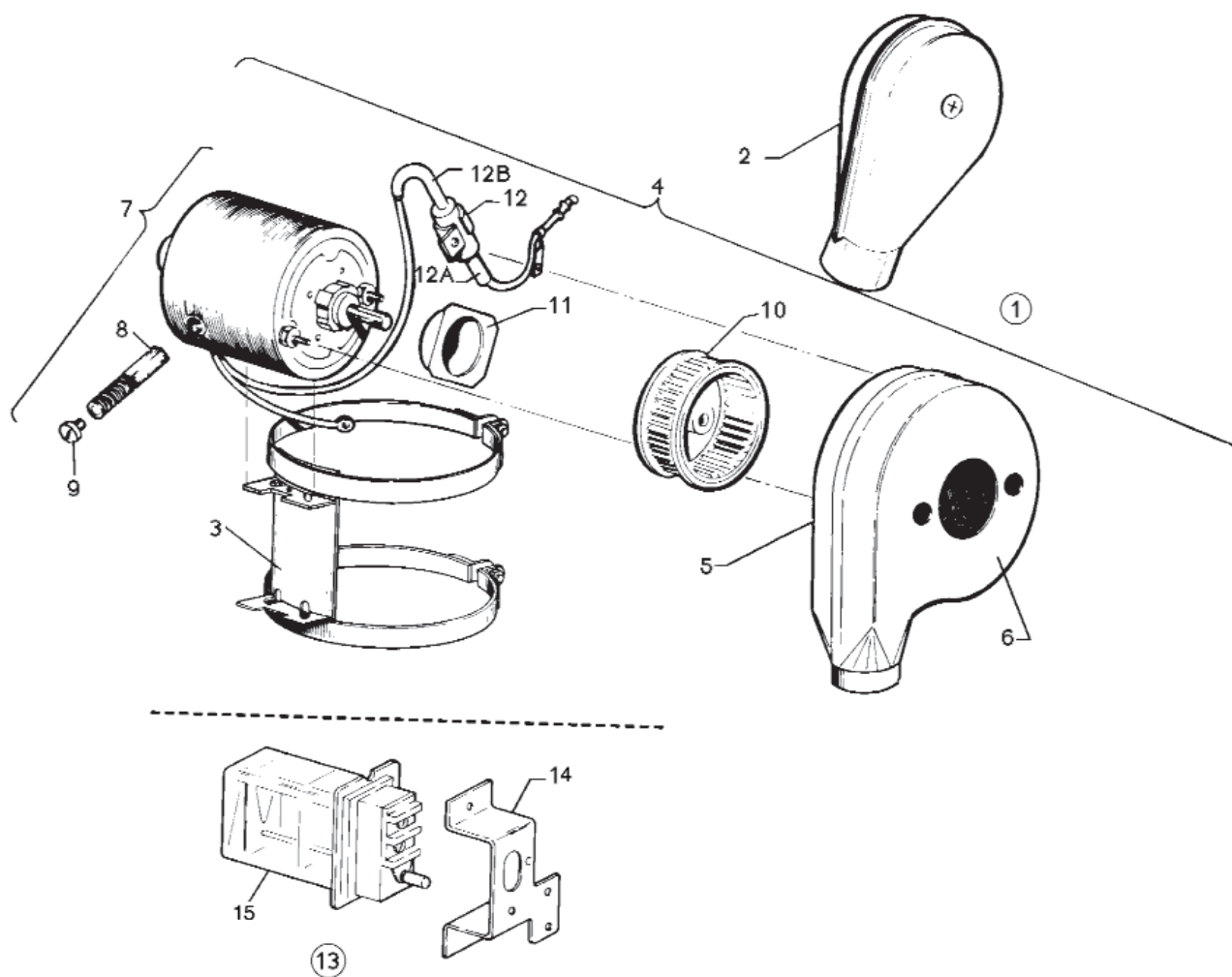


Figure 65. Janitrol Heater Components

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
65	86193 104598(D)	DRAWING - Janitrol Heater Installation DRAWING - Janitrol Heater Installation	4496001 thru 4496037 4496038 and up	
1	452-955	COMBUSTION AIR BLOWER AND MOTOR ASSY - (90D39-1)		1
2	751-332	. ADAPTER ASSY - Blower inlet (84D38-1)		1
3	761-605	. MOUNT - Combustion air blower support (87D01-1)		1
4	758-017	. COMBUSTION AIR BLOWER AND MOTOR (89D34-1)		1
5	755-252	. . HOUSING - Blower (motor attachment half)(84D41-5)		1
6	755-253	. . HOUSING - Blower (89D35-1) (Blower inlet adapter attachment half)		1
7	761-606	. . MOTOR ASSY - Combustion air blower (90E80-2)		1
8	753-391	. . BRUSH ASSY - (25T64-1)		2
9	753-392	. . . CAP - Brush assy (14A23)		2
10	751-817	. . FAN - Combustion air blower (B07D67)		1
11	756-184	. . SPACER - (10D64)		1
12	758-013	. . CAPACITOR - (D07D77)		1
12A	762-455	. . SLEEVE - High temperature (C34D81)		1
12B	762-456	. . SLEEVE - High temperature (D34D81)		1
13	587-931	SWITCH ASSY - Adjustable duct (250°)(52D43)		1
14	758 127	. BRACKET ASSEMBLY - Switch		1
15	756 262	. SWITCH - Adjustable duct		1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

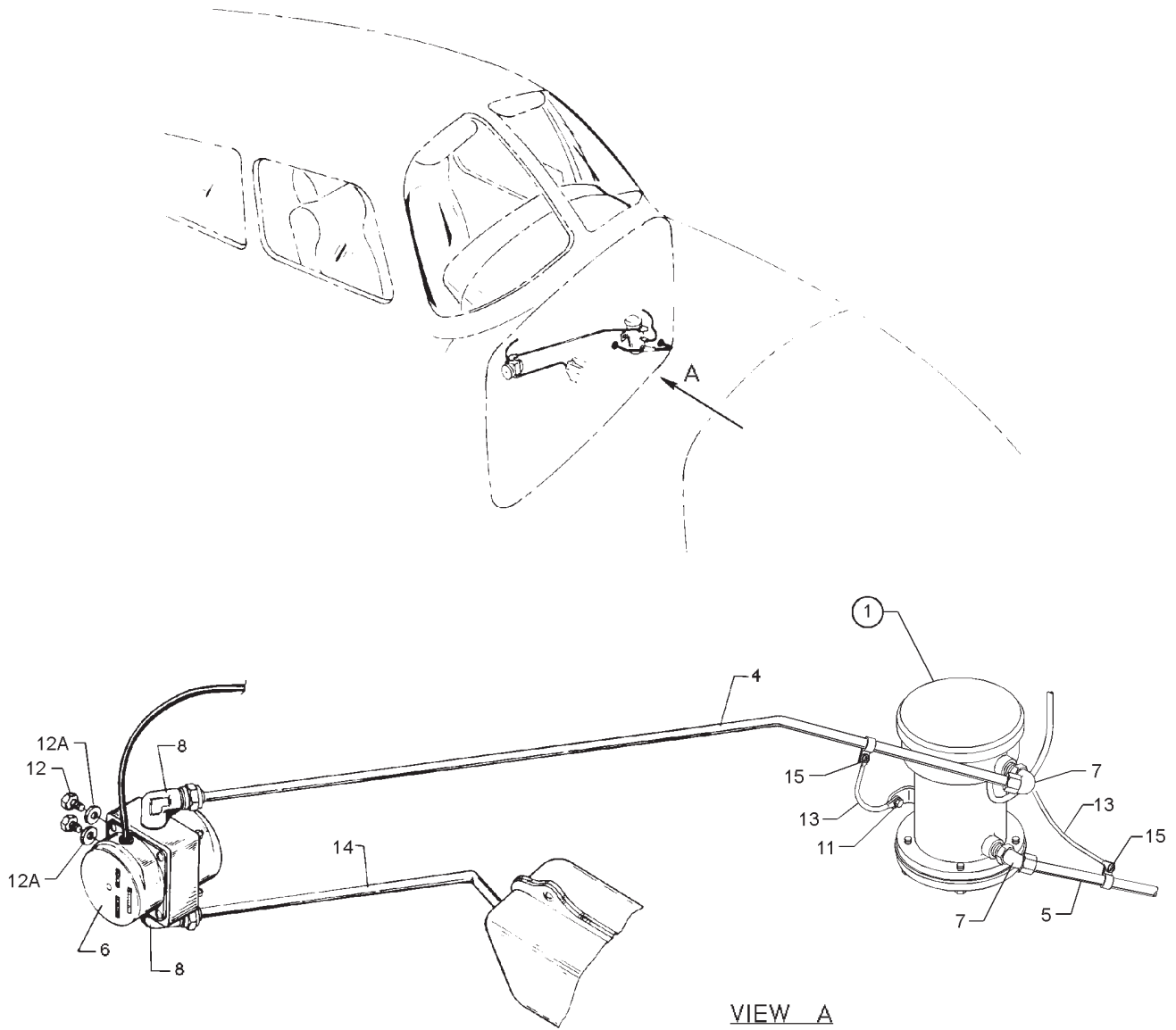


Figure 66. Heater Fuel System Installation

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
66	86193 (AL) 104598 (D) 86255 (K) 86206 (AD)	DRAWING - Janitrol Heater Installation DRAWING - Janitrol Heater Installation DRAWING - Heater Fuel Pump Assy DRAWING - Fuel System Installation	4496001 thru 4496037 4496038 and up	
1	461-756	PUMP ASSY - Heater fuel (91E93-1) (Reference Piper Service Bulletin #1127, latest revision.)	4496038 and up	1
1	461-738	PUMP ASSY - Heater fuel (91E93-1)	4496001 thru 4496037	1
-2	DELETED			
-3	DELETED			
4	86238-160	LINE ASSY	4496038 and up	1
-4A	86238-111	LINE ASSY	4496001 thru 4496037	1
5	86238-161	LINE ASSY	4496038 and up	1
-5A	86238-110	LINE ASSY	4496001 thru 4496037	1
6	492-228	FUEL REGULATOR & SHUTOFF VALVE - (78355-002)		1
7	559-006	ELBOW - (MS51521-B4)		2
8	458-894	ELBOW - (MS20822-4D)		2
-9	DELETED			
-10	DELETED			
11	400-002	BOLT - (AN4-5A)		2
-11A	690-611	WASHER - (NAS1149F0463P)		2
12	401-264	BOLT - (AN3H-4A)		2
12A	690-612	WASHER - (NAS1149F0363P)		2
13	469-606	JUMPER - (MS25083-7B-C6)		2
14	86238-046	TUBE ASSY - Heater fuel		1
15	455-000	CLAMP - (MS21103-D4)		3
-15A	415-544	SCREW - (MS35206-244)		3
-15B	494-192	WASHER - (5712-45)		6
-15C	407-042	WASHER - (MS35338-42)		3
-15D	477-729	NUT - (MS20341-8S)		3

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

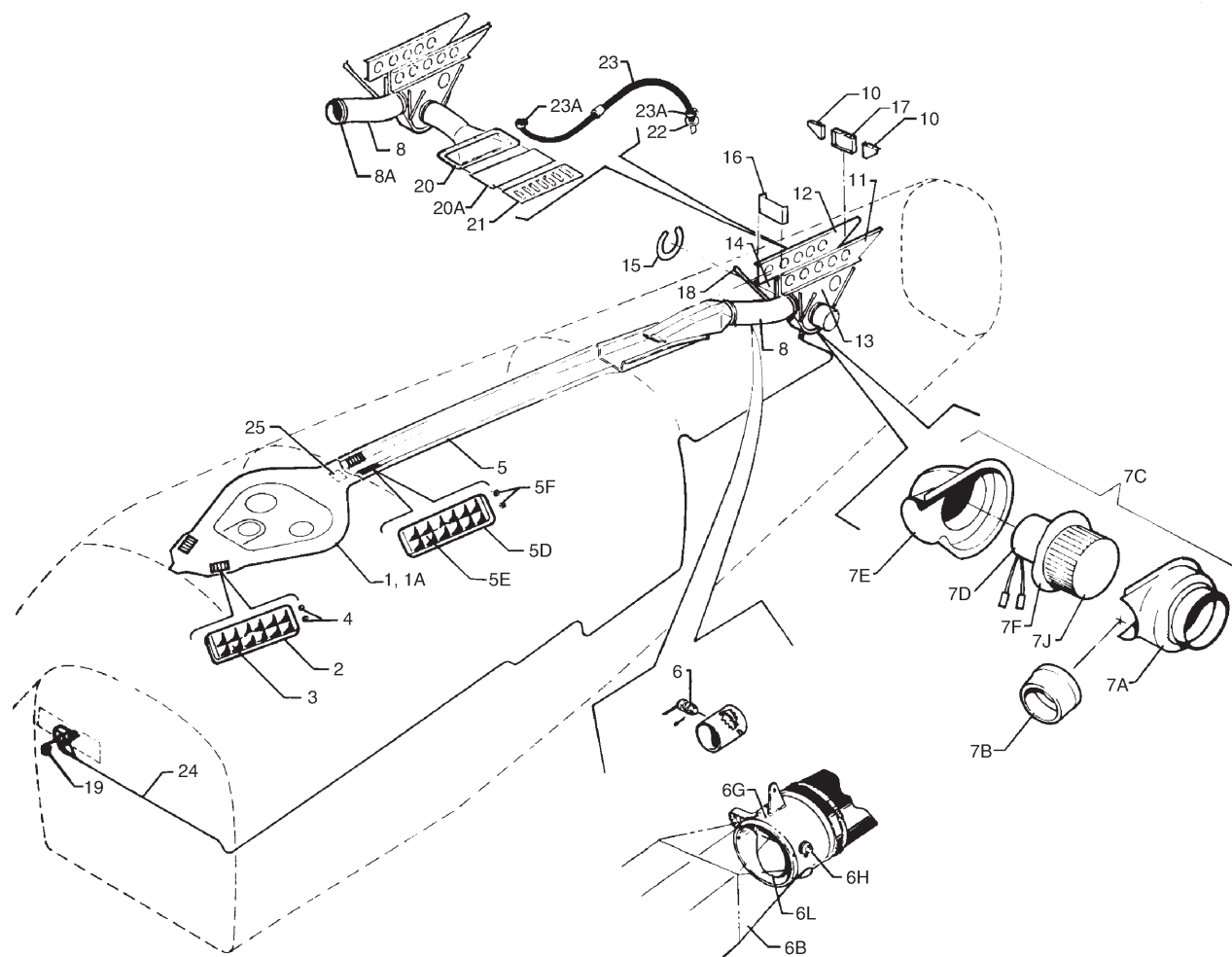


Figure 67. Fresh Air Ventilation Installation

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
67	79853 (Y) 36983 (AO) 76493 (J)	DRAWING - Fresh Air Ventilation System Installation DRAWING - Ram Air and Blower Ventilation Installation DRAWING - Overhead Fresh Air Ventilation Installation		
1	78736-002	OVERHEAD ASSY - With Overhead Dimmer and Speaker Assy		1
1A	76496-012	. PANEL ASSY - With speaker and light holes		1
-1B	78736-003	OVERHEAD ASSY - With Overhead Dimmer Assy only		1
-1C	76496-013	. PANEL ASSY - With light holes only		1
-1D	405-450	. NUT - (6-32)		3
-1E	404-528	. NUT - (MS21042-06)		4
-1F	407-041	. WASHER - (AN935-6)		1
-1G	78736-004	OVERHEAD ASSY - With Speaker Assy only		1
-1H	76496-008	. PANEL ASSY - With speaker holes only		1
-1J	78736-005	OVERHEAD ASSY - Basic, without Dimmer and Speaker Assy		1
-1K	76496-010	. PANEL ASSY - Basic, without speaker and light holes		1
-1L	415-232	SCREW - (6-32 X 3/4)		10
2	461-391	. FRAME - (173B)		4
3	473-195	. LOUVER - (336-IHS)		4
4	406-424	. NUT - (C2733-040-1)		16
5	76494-002	DUCT ASSY - Center, ventilation		1
-5A	519-800	SCREW - (MS24621-18)		4
-5B	454-880	CLAMP		2
-5C	419-913	SCREW - (8 x 1/2)		2
5D	461-391	FRAME - (173B)		2
5E	473-195	LOUVER - (336-IHS)		2
5F	406-424	NUT - (C2733-040-1)		2
6	70371-002	FITTING - Swivel		1
-6A	454-887	CLAMP		1
6B	76495-002	DUCT AND FLAPPER VALVE ASSY - Aft		1
-6C	411-531	. SCREW - (MS35207-262)		1
-6D	690-616	. WASHER - (NAS1149FN832P)		2
-6E	407-800	. WASHER - (AN970-3)		1
-6F	404-526	. NUT - (MS20364-1032C)		1
6G	69885-012	. FLAPPER VALVE ASSY - Fresh air intake		1
6H	69885-002	. . SHAFT ASSY		1
-6J	407-607	. . WASHER - (AN960-PD516)		AR
-6K	424-051	. . COTTER PIN - (MS24665-132)		1
6L	69885-003	. . FLAPPER ASSY		1
-6M	415-521	. . SCREW - (MS35206-231)		3
-6N	404-528	. . NUT - (MS21042-06)		3
-6P	411-531	SCREW - (MS35207-262)		1
-6Q	404-526	NUT - (MS20364-1032C)		1
-7	79266-000	BLOWER ASSY - Fresh air		1
7A	79264-000	. COVER ASSY - Fresh air blower		1
7B	99633-000	. DUCT - Hose connect		1
7C	99642-002	. BLOWER ASSY		1
7D	475-210	. . MOTOR ASSY - Blower - (89423-002)		1
7E	37977-002	. . COVER - Fresh air blower		1
7F	99641-000	. . PLATE ASSY - Motor mounting		1
-7G	404-529	. . NUT - (MS21042-08)		2
-7H	690-616	. . WASHER - (NAS1149FN832P)		2
7J	452-935	. . BLOWER - (AE424-316-1)		1
-7K	411-533	SCREW - (MS35207-264)		5

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
67-				
-7L	690-612	WASHER - (NAS1149F0363P)		5
8	63633-148	HOSE		1
8A	554-640	CLAMP - (SAE TY-F72)		2
-9	454-930	CLAMP		1
-9A	411-532	SCREW - (MS35207-263)		1
-9B	406-443	NUT - (NAS679A3W)		1
10	79035-000	GUSSET ASSY - Intercostal		2
11	79280-000	INTERCOSTAL - Blower bracket support, left		1
-11A	415-535	SCREW - (MS35206-245)		1
-11B	454-931	CLAMP		1
-11C	690-618	WASHER - under nut (NAS1149FN816P)		1
-11D	404-902	NUT - (MS20365-632C)		1
-11E	408-100	WASHER - (MS35335-32)		1
12	79287-000	INTERCOSTAL - Blower bracket support, right		1
13	79281-000	HANGER ASSY - Blower, left		1
14	79282-000	HANGER ASSY - Blower, right		1
15	79284-000	RETAINER - Housing		1
16	79285-000	BRACKET - Intercostal, forward		1
17	79286-000	BRACKET - Intercostal, aft		1
18	79303-000	BRACE - Hanger		2
-18A	488-702	STRAP - (MS3367-1-9)		2
-18B	411-532	SCREW - (MS35207-263)		6
-18C	690-609	WASHER - (NAS1149F0332P)		2
-18D	406-443	NUT - (NAS679A3W)		6
19	454-717	CIRCUIT BREAKER - 20 amp		1
20	36615-005	DUCT ASSY - Air vent (with filter)		1
20A	36616-003	. FILTER - Air vent		1
21	36612-003	LOUVER - Air vent		1
22	79290-000	TUBE ASSY - Drain		1
23	63904-113	HOSE - Drain		1
23A	554-575	CLAMP - (SAE TY-F4)		2
24	79293-000	HARNES ASSY - Blower switch	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1 RF
25	69669-077	PLACARD - Cabin air (Reference - See Figure 77)		

-Item not illustrated

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

**THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG**

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SECTION XII

ELECTRICAL SYSTEM GROUP

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

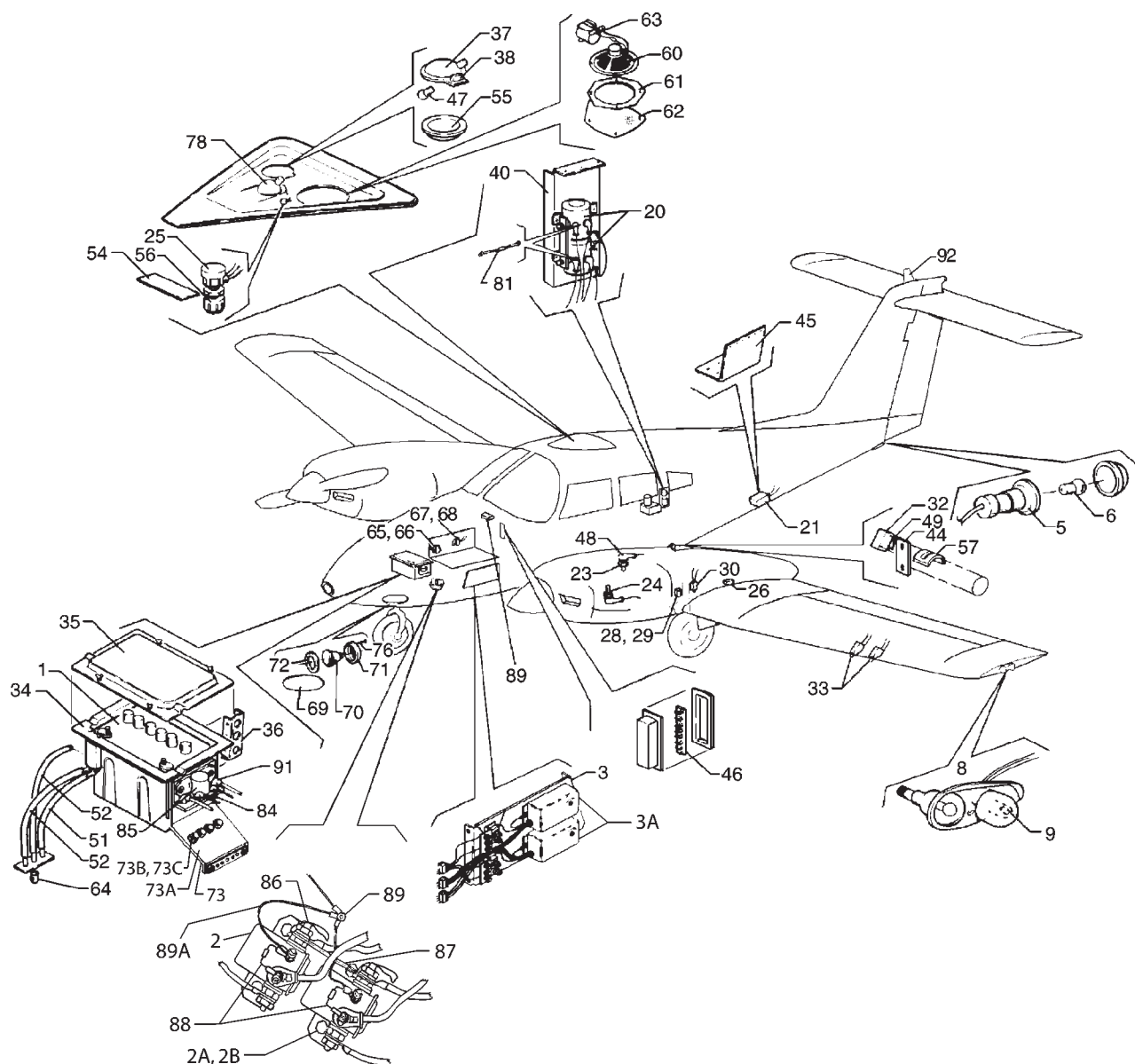


Figure 68. Electrical System Installation

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
68	89280 (BH)	DRAWING - Electrical Installation	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	
	101830 (B)	DRAWING - Electrical System Installation	4496174, 4496224 and up (with Entegra)	
	89424 (U)	DRAWING - Ext. Wing and Fin Lighting Installation		
	86925 (P)	DRAWING - Landing Light Installation		
	78736 (P)	DRAWING - Overhead Assy		
1	450-035	BATTERY		1
2	602-847	SOLENOID - Starter (99130-003) (Reference Piper Service Letter #1093 - Latest Revision)		2
2A	400-002	BOLT - (AN4-5A)		4
2B	407-801	WASHER - (AN970-4)		4
3	89273-005	VOLTAGE REGULATOR ASSY	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
3	89273-006	VOLTAGE REGULATOR ASSY	4496174, 4496224 and up (with Entegra)	1
3A	584-400	. VOLTAGE REGULATOR		2
-4	89258-006	. FUSE ASSY - Overvoltage	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
-4	89258-010	. FUSE ASSY - Overvoltage	4496174, 4496224 and up (with Entegra)	1
-5	89258-007	. FUSE ASSY - Overvoltage	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
-5	89258-011	. FUSE ASSY - Overvoltage	4496174, 4496224 and up (with Entegra)	1
-5A	461-660	. . FUSE HOLDER		3
-5B	461-659	. . FUSE	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	3
-5C	461-684	. . FUSE	4496174, 4496224 and up (with Entegra)	3
-6	89424-007	LIGHT ASSY - (Green 14 vdc)	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
-6	101921-005	LIGHT ASSY (NAV/STROBE - GRN 14VDC) RH	4496174, 4496224 and up (with Entegra)	1
-7	89424-008	LIGHT ASSY - (Red 14 vdc)	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
-7	10192-004	LIGHT ASSY (NAV/STROBE - RED 14VDC) LH	4496174, 4496224 and up (with Entegra)	1
8	572-557	. LIGHT ASSY - Red navigation and white strobe, wing tip (shielded)(A600-PR-D-14)		1
-8A	572-561	. LIGHT ASSY - Green navigation and white strobe, wing tip (shielded)(A600-PG-D-14)		1
9	762-003	. . TUBE ASSY - Flash tip (A610)		1
10	761-253	. . LENS AND RETAINER ASSY - Wing tip strobe (shielded)		1
11	751-202	. . LENS - Navigation, red		1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
68-				
12	761-316	. . LAMP		1
13	755-075	. . GASKET - Navigation light		1
14	755-076	. . GASKET - Wing strobe		1
15	761-256	. . LAMP - Navigation light assy, 14 volt		1
16	762-426	. . SOCKET ASSY - Navigation light		1
17	761-255	. . LENS - Navigation light		1
18	755-096	. . GASKET - Navigation light		1
-19	89292-002	HARNESS ASSY - Left wing, aft	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
-19	101829-005	HARNESS ASSY - Left wing, aft	4496174, 4496224 and up (with Entegra)	1
-19A	89296-002	HARNESS ASSY - Right wing, aft	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
-19A	101829-007	HARNESS ASSY - Right wing, aft	4496174, 4496224 and up (with Entegra)	1
20	602-848	RELAY - Hydraulic pump (Reference Piper Service Letter #1093 - Latest Revision)		2
-20A	400-003	BOLT - (AN4-6A)		4
-20B	690-611	WASHER - (NAS1149F0463P)		8
-20C	404-561	NUT - (MS21045-4)		4
-20D	476-673	NIPPLE - (MS25171-1S)		2
-20E	476-675	SCREW - (MS25171-2S)		2
21	481-247	POWER SUPPLY - Strobe light (413AHDA-CF-14/28)		1
-22	DELETED			
23	86685-002	SENDER UNIT - Oil temperature		2
24	86687-002	SENDER UNIT - Cylinder heat temperature		2
-25	95229-002	DIMMER ASSY - Overhead		1
26	95228-000	. DIMMER ASSY - Potentiometer		1
27	89291-003	SWITCH ASSY - Down limit, main gear		2
-28	89287-002	HARNESS ASSY - Left wing, forward	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
-28	101829-004	HARNESS ASSY - Left wing, forward	4496174, 4496224 and up (with Entegra)	1
-28	101829-102	HARNESS ASSY - Left wing, fwd (with optional E-max)		1
-28A	89297-002	HARNESS ASSY - Right wing, forward	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
-28A	101829-006	HARNESS ASSY - Right wing, forward	4496174, 4496224 and up (with Entegra)	1
-28A	101829-103	HARNESS ASSY - Right wing, fwd (with optional E-max)		1
29	36742-015	. SWITCH ASSY - Up limit, main gear		2
30	89291-004	SWITCH ASSY - Squat, main gear (Left and Right)		2
32	487-925	SWITCH - Cowl flap limit (V3-1)		2
33	548-262	DETECTOR - Lift (unheated)(148-7)		2
34	86410-002	BOX ASSY - Battery		1
35	86410-005	. COVER ASSY - Battery box		1
36	38062-010	. BRACKET ASSY - Mounting		2
37	66632-000	REFLECTOR ASSY - Dome light		1
38	487-777	. SWITCH		1
-39	DELETED			
-40	DELETED			

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
68-				
-41	DELETED			
-42	DELETED			
-43	DELETED			
44	96590-000	BRACKET - Flap limit switch		1
-44A	415-544	SCREW - (MS35206-244)		2
-44B	404-529	NUT - (MS21042-08)		2
45	99031-003	BRACKET ASSY - Power supply mounting	4496001 thru 4496042	1
45	104533-004	BRACKET ASSY - Power supply mounting	4496043 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
45	104533-002	BRACKET ASSY - Power supply mounting	4496174, 4496224 and up (with Entegra)	1
46	488-545	STRIP - Terminal (MS 27212-1-12)		1
47	472-036	LAMP		1
48	462-012	GASKET - (MS35769-11)		2
49	451-841	ACTUATOR - (JV-5)		2
51	63904-097	HOSE - Battery vent (13.00"L)		1
52	63904-099	HOSE - Battery vent (12.25"L)		2
54	69669-020	PLACARD - Dome light max. (See Figure 77)		RF
55	12715-000	LENS - Dome light		1
56	571-136	KNOB		1
57	86370-002	CAM - Landing gear warning switch		1
-58	DELETED			
-59	DELETED			
60	99746-003	SPEAKER ASSY		1
-60A	585-015	. SPEAKER - Radio, circular		1
61	99745-000	. GASKET - Radio speaker		1
62	99744-000	. GRILL - Radio speaker		1
63	484-292	. RELAY - (RS5D-12VDC)		1
64	63019-000	CAP - Vent		1
65	89291-006	SWITCH ASSY - Down limit, nose gear		1
66	89278-007	BRACKET		1
-66A	411-532	SCREW - (MS35207-263)		2
-66B	408-100	WASHER - (MS35335-32)		2
67	89291-005	SWITCH ASSY - Up limit, nose gear		1
68	89278-006	BRACKET		1
-68A	415-535	SCREW - (MS35206-245)		2
-68B	408-105	WASHER - (MS35335-31)		2
69	86926-002	LENS - Landing light		2
-69A	104686-002	GASKET		2
70	86924-002	LIGHT ASSY		2
-70A	472-661	. LIGHT - Landing		1
71	86923-002	RING, Light Retainer		1
-71A	415-523	SCREW - (MS35206-233)		2
72	86922-002	PLATE, Light Retainer		1
-72A	690-640	WASHER - (NAS1149FN632P)		2
-72B	404-528	NUT - (MS21042-06)		2
73	89289-002	FUSE HOLDER ASSY	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
73	89289-003	FUSE HOLDER ASSY	4496174, 4496224 and up (with Entegra)	1
73A	89288-002	. FUSE HOLDER BRACKET		1
73B	461-660	. FUSE HOLDER - (HWA)		5

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
68-				
73C	461-659	. FUSE - (GMW-5)		5
-73D	100881-006	. PLACARD - Battery bus	4496174, 4496224 and up (with Entegra ONLY)	1
-74	DELETED			
75	67533-000	SPRING - Landing light		3
76	415-748	SCREW - (AN515-632R24)		6
78	572-582	LIGHT ASSY - Overhead panel (01-0770104-30)		1
-79	DELETED			
-80	DELETED			
81	67487-003	WIRE ASSY - Diode		2
-82	456-703	. DIODE - (1N2071A)		1
-83	DELETED			
84	67487-005	DIODE ASSY - Master relay		1
85	63880-000	CONTACTOR	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra) 4496174, 4496224 and up (with Entegra)	1
85	455-151	CONTACTOR - (6041H105)		1
86	476-673	NIPPLE - (MS25171-1S)		4
87	96601-002	LINK - Bus		1
88	83992-002	DIODE ASSY		1
89	687-582	STUD	4496001 thru 4496020 4496024 and up	1
89A	84580-139	WIRE ASSY	4496001 thru 4496020 4496024 and up	2
-90	DELETED			
91	23969-005	NIPPLE		3
92	472-904	STROBE LIGHT - Red	4496020, 4496024 and up	1

-Item not illustrated

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

**THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG**

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PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

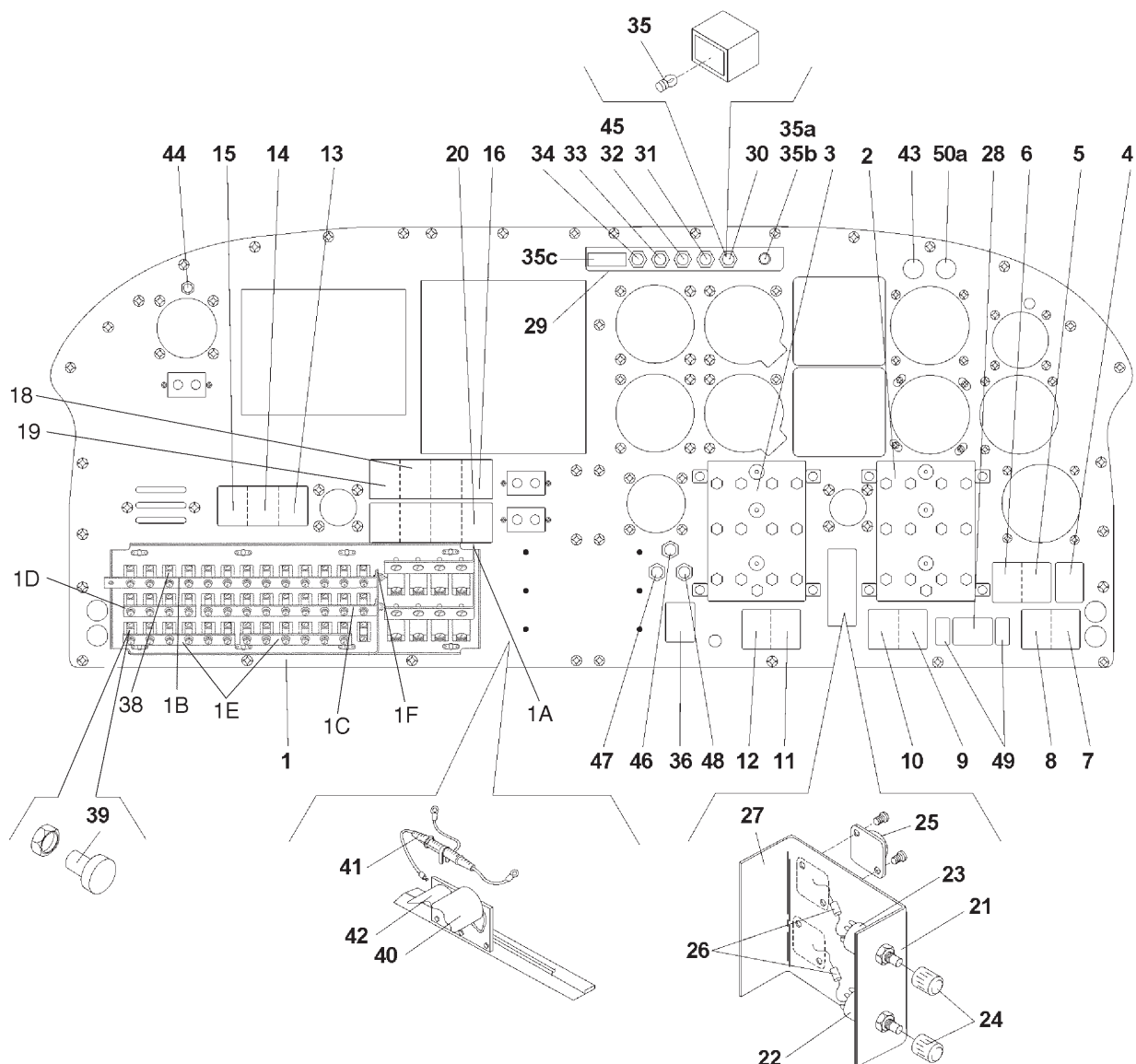


Figure 69. Instrument Panel Electrical Installation
 (Sheet 1 of 2)

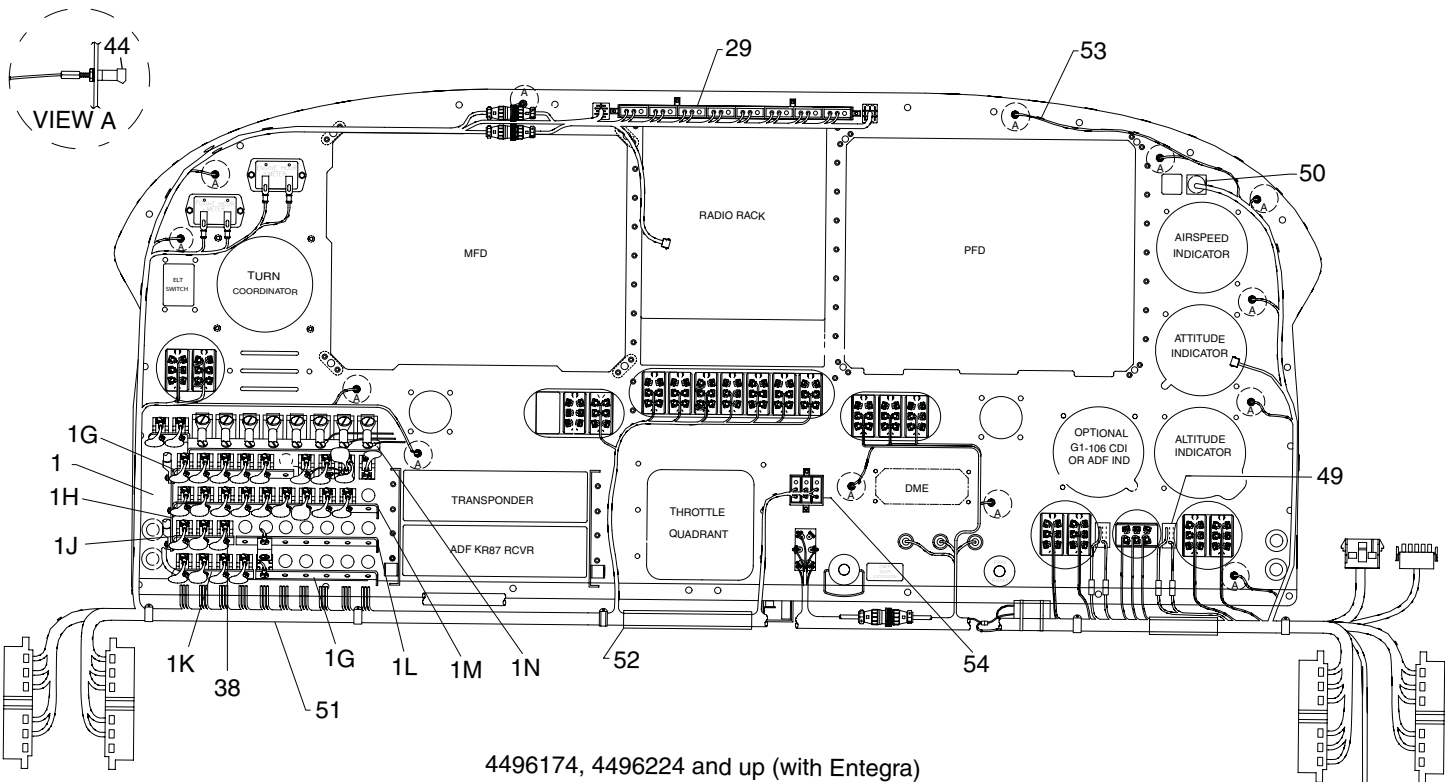


Figure 69. Instrument Panel Electrical Installation (with Entegra)
(Sheet 2 of 2)

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
69-	89280 (BH)	DRAWING - Electrical Installation	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	
	101830 (B)	DRAWING - Electrical Installation	4496174, 4496224 and up (with Entegra)	
	89340 (E)	DRAWING - Instruments Installation		
1	89277-003	PANEL ASSY - Circuit breaker	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
1	101894-002	CIRCUIT BREAKER ASSY - Complete	4496174, 4496224 and up (with Entegra)	1
1A	89276-002	. BUS - Circuit breaker	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
1B	89276-003	. BUS - Circuit breaker	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
1C	89276-004	. BUS - Circuit breaker	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
1D	89276-005	. BUS - Circuit breaker	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
1E	89276-007	. BUS - Circuit breaker	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
1F	89276-008	. BUS - Circuit breaker	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
1G	89276-029	. BUS - Circuit breaker	4496174, 4496224 and up (with Entegra)	2
1H	89276-026	. BUS - Circuit breaker	4496174, 4496224 and up (with Entegra)	1
1J	89276-033	. BUS - Circuit breaker	4496174, 4496224 and up (with Entegra)	1
1K	89276-024	. BUS - Circuit breaker	4496174, 4496224 and up (with Entegra)	1
1L	89276-032	. BUS - Circuit breaker	4496174, 4496224 and up (with Entegra)	1
1M	89276-031	. BUS - Circuit breaker	4496174, 4496224 and up (with Entegra)	1
1N	101922-002	. BUS - Circuit breaker	4496174, 4496224 and up (with Entegra)	1
2	89257-005	CLUSTER ASSY - Instrument, left		1
3	89257-006	CLUSTER ASSY - Instrument, right		1
4	688-296	SWITCH - Battery master		1
5	688-296	SWITCH - Alternator, left		1
6	688-296	SWITCH - Alternator, right		1
7	688-296	SWITCH - MAG, left side, (left engine)		1
8	688-296	SWITCH - MAG, right side (left engine)		1
9	688-296	SWITCH - MAG, left side (right engine)		1
10	688-296	SWITCH - MAG, right side (right engine)		1
11	688-296	SWITCH - Fuel pump, left		1
12	688-296	SWITCH - Fuel pump, right		1
13	688-296	SWITCH - Pitot heat		1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
69-				
14	688-296	SWITCH - Cabin heat		1
15	79293-004	SWITCH - High rec., blower low		1
16	688-296	SWITCH - Landing light		1
17	688-296	SWITCH - Navigation light		1
18	688-296	SWITCH - Strobe light		1
19	688-296	SWITCH - Recognition light		1
20	688-296	SWITCH - Radio master		1
21	39576-002	CONTROL ASSY - Dimmer	4496001 thru 4496030	1
21	104333-002	CONTROL ASSY - Dimmer	4496031 and up	1
22	67436-004	SWITCH - Potentiometer		1
23	67436-006	SWITCH - Potentiometer		1
24	67437-000	KNOB - Potentiometer		2
25	489-400	TRANSISTOR		2
26	584-149	RESISTOR		2
27	39575-002	BRACKET ASSY - Dimmer		1
28	688-381	SWITCH - Starter		1
29	85372-007	ANNUNCIATOR PANEL ASSY - Complete	4496174, 4496224 and up (with Entegra)	1
29	89340-002	PANEL ASSY - Annunciator	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
30	67422-012	. LIGHT ASSY - Indicator (OIL)		1
31	67422-013	. LIGHT ASSY - Indicator (VAC)		1
32	67422-014	. LIGHT ASSY - Indicator (ALT)		1
33	67422-030	. LIGHT ASSY - Indicator (HTR OVER TEMP)		1
34	67422-028	. LIGHT ASSY - Indicator (LO BUS)		1
35	472-054	. BULB		5
35A	688-366	. SWITCH - Pushbutton, annunciator test		1
35B	652-013	. BUTTON - Annunciator test switch		1
35C	596-778	. MONITOR - Low voltage		1
36	487-936	SWITCH - Gear selector		1
-37	DELETED			
-37A	DELETED			
-37B	DELETED			
-37C	DELETED			
-37D	DELETED			
-37E	DELETED			
38	454-736	CIRCUIT BREAKER - 3 amp		1
-38A	454-738	CIRCUIT BREAKER - 5 amp		1
-38B	454-732	CIRCUIT BREAKER - 10 amp		1
-38C	454-734	CIRCUIT BREAKER - 15 amp		1
-38D	454-797	CIRCUIT BREAKER - 20 amp		1
-38E	652-409	CIRCUIT BREAKER - 25 amp		1
-38F	564-007	CIRCUIT BREAKER - 40 amp		1
-38G	454-758	CIRCUIT BREAKER - 60 amp		1
-38H	687-800	CIRCUIT BREAKER - 70 amp		1
-38J	454-766	CIRCUIT BREAKER - 2 amp	4496174, 4496224 and up (with Entegra)	1
-38K	454-739	CIRCUIT BREAKER - 7.5 amp	4496174, 4496224 and up (with Entegra)	1
39	533-523	BUTTON - Plug		AR
40	35214-000	HORN ASSY - Stall warning		1
41	38149-004	FLASHER ASSY - Gear warning		1
42	565-288	HORN ASSY - Gear warning		1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
69-				
43	472-848	LIGHT - Indicator, WARN. GEAR UNSAFE		1
-43A	472-054	. BULB		1
44	572-636	LIGHT - Post (Quantity of 13 used with Entegra.)		10
45	453-695	BULB		1
46	67422-007	LIGHT - Indicator (nose gear)		1
47	67422-006	LIGHT - Indicator (right gear)		1
48	67422-005	LIGHT - Indicator (left gear)		1
49	37756-004	SWITCH ASSY - Fuel primer		2
-50	89998-002	SWITCH ASSY - Landing Gear Mute	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
50	89998-003	SWITCH ASSY - Landing Gear Mute	4496174, 4496224 and up (with Entegra)	1
50A	572-652	. SWITCH/LAMP BASE - Landing gear warning mute		1
-50B	472-054	. BULB (Reference Piper Service Bulletin # 1109 - Latest Revision)		1
51	101829-003	HARNES ASSY - Instrument panel	4496174, 4496224 and up (with Entegra)	1
52	63904-115	HOSE - plastic	4496174, 4496224 and up (with Entegra)	1
53	101899-002	HARNES ASSY - Post lights	4496174, 4496224 and up (with Entegra)	1
54	85315-002	LIGHT ASSY - Landing gear	4496174, 4496224 and up (with Entegra)	1
-55	101895-002	TRAY ASSY - Dimmer switch control	4496174, 4496224 and up (with Entegra)	1
-55A	101895-003	. TRAY	4496174, 4496224 and up (with Entegra)	1

-Item not illustrated

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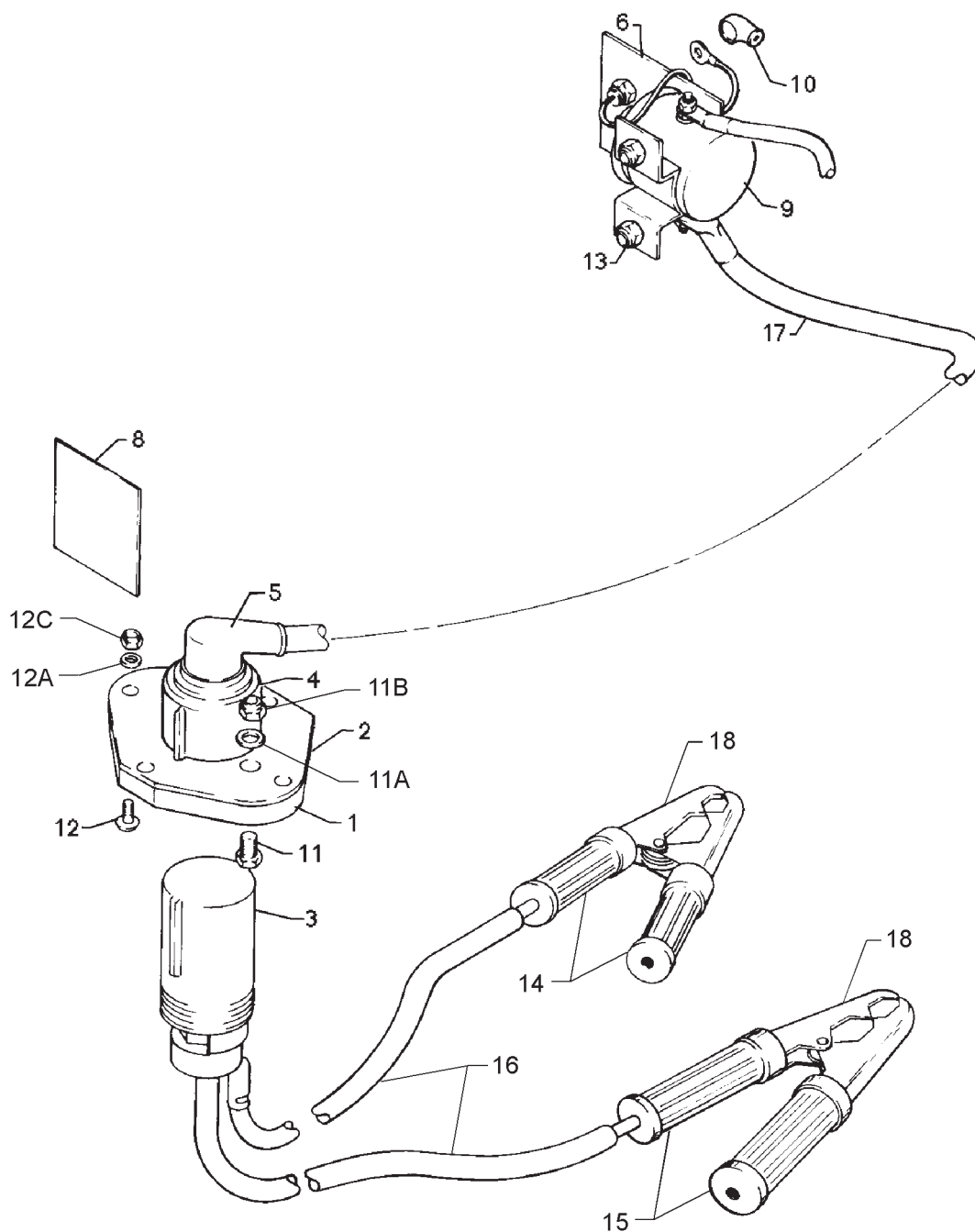


Figure 70. External Power Supply Installation

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
70	86680 (P)	DRAWING - Auxiliary Power Installation		
1	62226-000	SPACER - Auxiliary power receptacle		1
2	62227-000	PLATE - Auxiliary power receptacle		1
3	89097-002	PLUG ASSY - Power connector		1
4	89097-007	SOCKET ASSY - Power connector		1
-4A	472-682	. NIPPLE		1
5	23969-003	NIPPLE		1
6	68197-009	DIODE ASSY		1
-6A	68198-000	. SUPPORT - Diode mounting		1
7	456-728	. DIODE		1
8	35669-102	PLACARD - External power (See Figure 77)		RF
9	602-848	RELAY - (Ref. Piper Service Letter 1093 - Latest Revision)		1
10	23969-002	NIPPLE		1
11	400-728	BOLT - (AN25-11A)		2
11A	690-628	WASHER - (NAS1149FD563P)		2
11B	404-323	NUT - (AN316-5R)		2
12	416-794	SCREW - (MS24693S275)		4
12A	494-087	WASHER - (A3235-020-1)		4
-12B	407-564	WASHER - (AN960-10)		4
12C	404-835	NUT - (MS20364-1032C)		4
13	400-002	BOLT - (AN4-5A)		2
-13A	690-611	WASHER - (NAS1149F0463P)		2
-13B	404-530	NUT - (MS21042-4)		2
14	467-073	INSULATOR - Black (43-0)		2
15	467-072	INSULATOR - Red (43-2)		2
16	63862-156	WIRE ASSY		2
17	79653-080	WIRE ASSY		1
18	554-819	CLIP - (41A)		2

-Item not illustrated

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SECTION XIII

ELECTRONICS GROUP

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

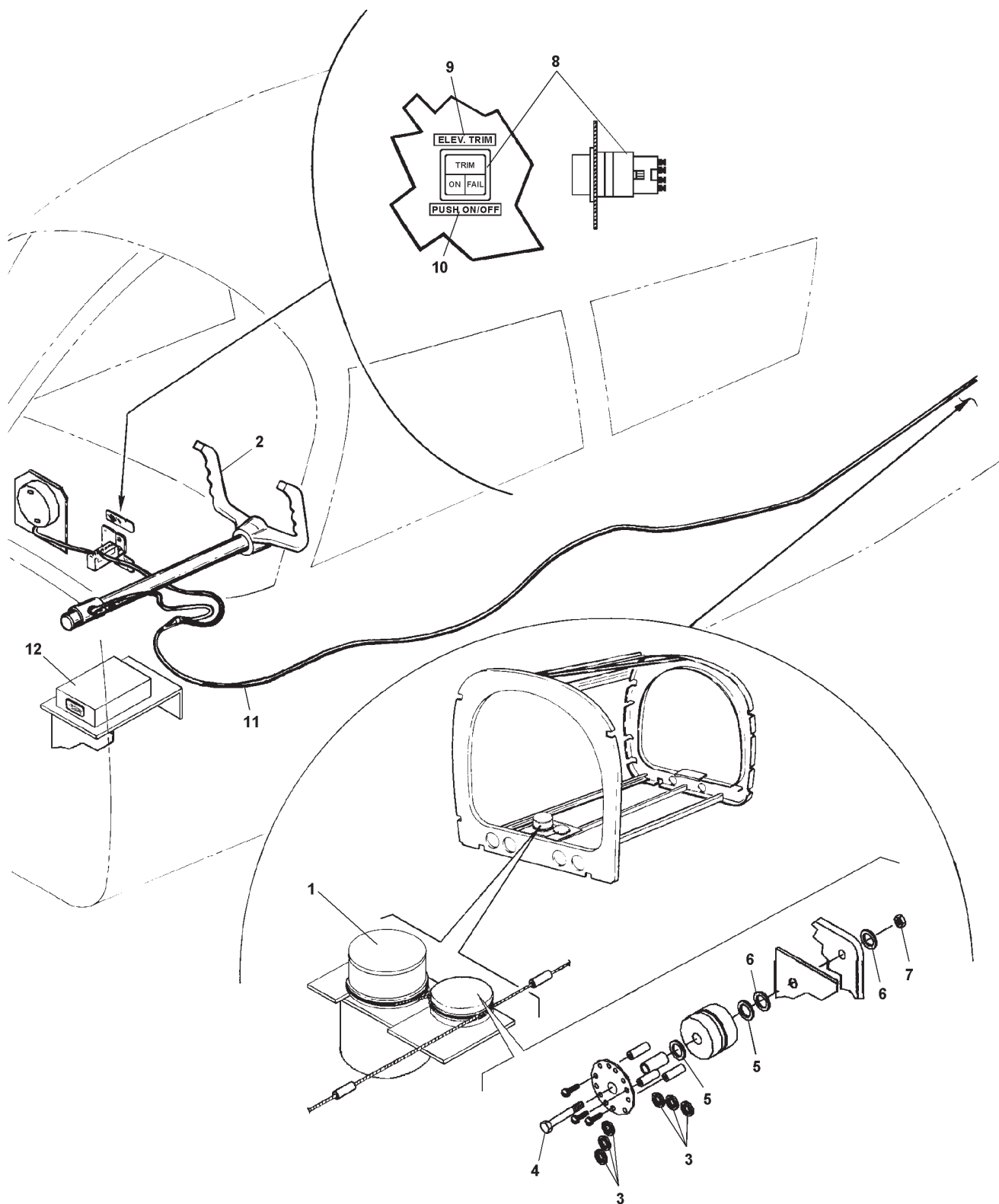


Figure 72. Manual Electric Trim Installation

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
72	100868 (P)	DRAWING - Manual Electric Trim Installation		
1	651-664	KIT - Trim send		1
2	101117-015	CONTROL WHEEL ASSY - (Optional)	4496020 and up	2
2	100841-002	CONTROL WHEEL ASSY - (Optional)	4496001 thru 4496019	2
-2A	100572-002	CONTROL WHEEL ASSY - (Standard) (See Figure 60 for control wheel breakdown)		2
-2B	82940-003	. TRIM SWITCH PLUG		1
-2C	82940-002	. SWITCH CAP - (Blank)		1
-2D	82974-016	. SWITCH CAP - (Left horn), MIC and trim		1
-2E	84549-004	. MICROPHONE SWITCH ASSY		1
-2F	84549-009	. TRIM SW. ASSY		1
-2G	414-690	. SCREW - (AN505B2R6)		2
-2H	415-421	. SCREW - (AN505B2R8)		2
-2J	553-571	. CAP PLUG		1
3	690-653	WASHER - Lock (MS35333-36)		10
4	401-273	BOLT - (AN3-14A)		1
5	690-645	WASHER - (NAS1149C0632R)		2
6	690-612	WASHER - (NAS1149F0363P)		2
7	404-991	NUT - Self locking (AN365-1032C)		1
8	766-775	SWITCH - Trim master - (03741-001)		1
9	35669-215	PLACARD - Elev. trim (See Figure 77)		RF
10	690-653	PLACARD - Push on/off (See Figure 77)		RF
11	651-665	KIT - Switch and cable		1
12	651-976	KIT - Monitor electric trim		1

-Item not illustrated

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THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

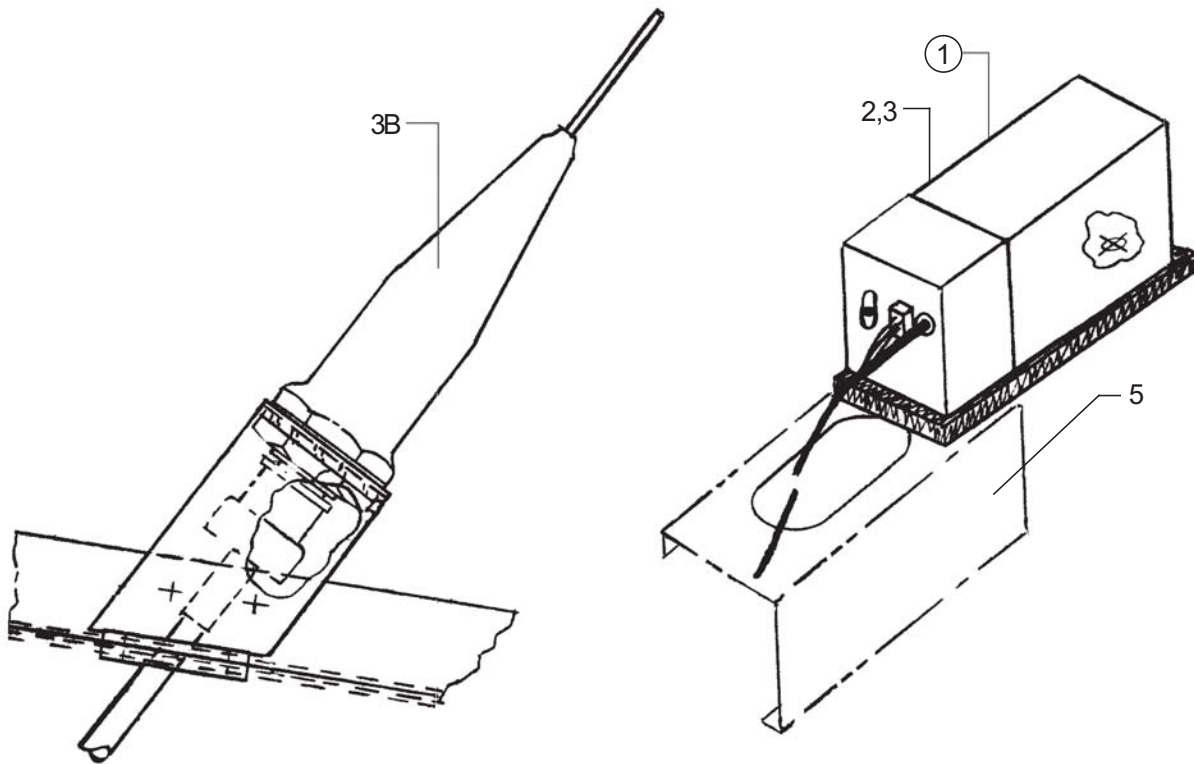


Figure 73. Emergency Locator Transmitter (ELT 110-4) Installation
(Artex)

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
73	06327 (AD)	DRAWING - Emergency Locator Transmitter (ELT 110-4) Installation		
	06292 (K)	DRAWING - Transmitter Installation Emergency Locator (ELT 910)	4496001 thru 4496030	
1	06327-007	ELT ASSY	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
1	06327-020	ELT ASSY	4496174, 4496224 and up (with Entegra)	1
2	599-515	. ELT 110-4 KIT		1
-2	651-673	. ELT 110-4 KIT (without transmitter)		1
-2A	06311-009	. HARNESS ASSY	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
-2A	06311-019	. HARNESS ASSY	4496174, 4496224 and up (with Entegra)	1
-2B	583-102	. PLACARD		1
-2C	78740-002	. DOUBLER		1
-2D	89349-003	. PANEL ASSY	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
-2E	463-518	. GROMMET		AR
-2F	654-230	. CLAMP		2
-2G	515-710	. SCREW		4
-2H	690-609	. WASHER - (NAS1149F0332P)		4
-2J	588-731	. SPLICE	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
-2K	404-909	. NUT - (MS20365-632C)		4
-2L	415-553	. SCREW - (MS35206-263)		4
-2M	587-690	. STRAP - (MS3367-5-9)		2
-2N	654-212	. UNIKLIP - (LP-7000)		3
3	06292-006	ELT 910 ASSY		1
-3A	689-970	. TRANSMITTER - (01475-0101)		1
3B	597-257	. ANTENNA - (01652-0101)		1
-3C	404-902	. NUT - (MS20365-632C)		1
-3D	486-294	. SCREW		4
-3E	404-596	. NUT - (MS20341-4S)		4
-3F	407-040	. WASHER LOC SPLIT - (MS35338-40)		4
-3G	609-668	. WASHER - (NAS1149FN432P)		4
-3H	583-102	. PLACARD		1
-3J	63870-002	. CLIP		3
-3K	597-690	. STRAP - (MS3367-5-9)		2
-3L	78740-002	. DOUBLER		2
4	758-696	BATTERY PACK - Replacement (452-0130) (Reference Piper Service Bulletin #1020 - latest revision)	4496001 thru 4496019	1
5	86563-006	BRACKET ASSY - Emergency locator transmitter		1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

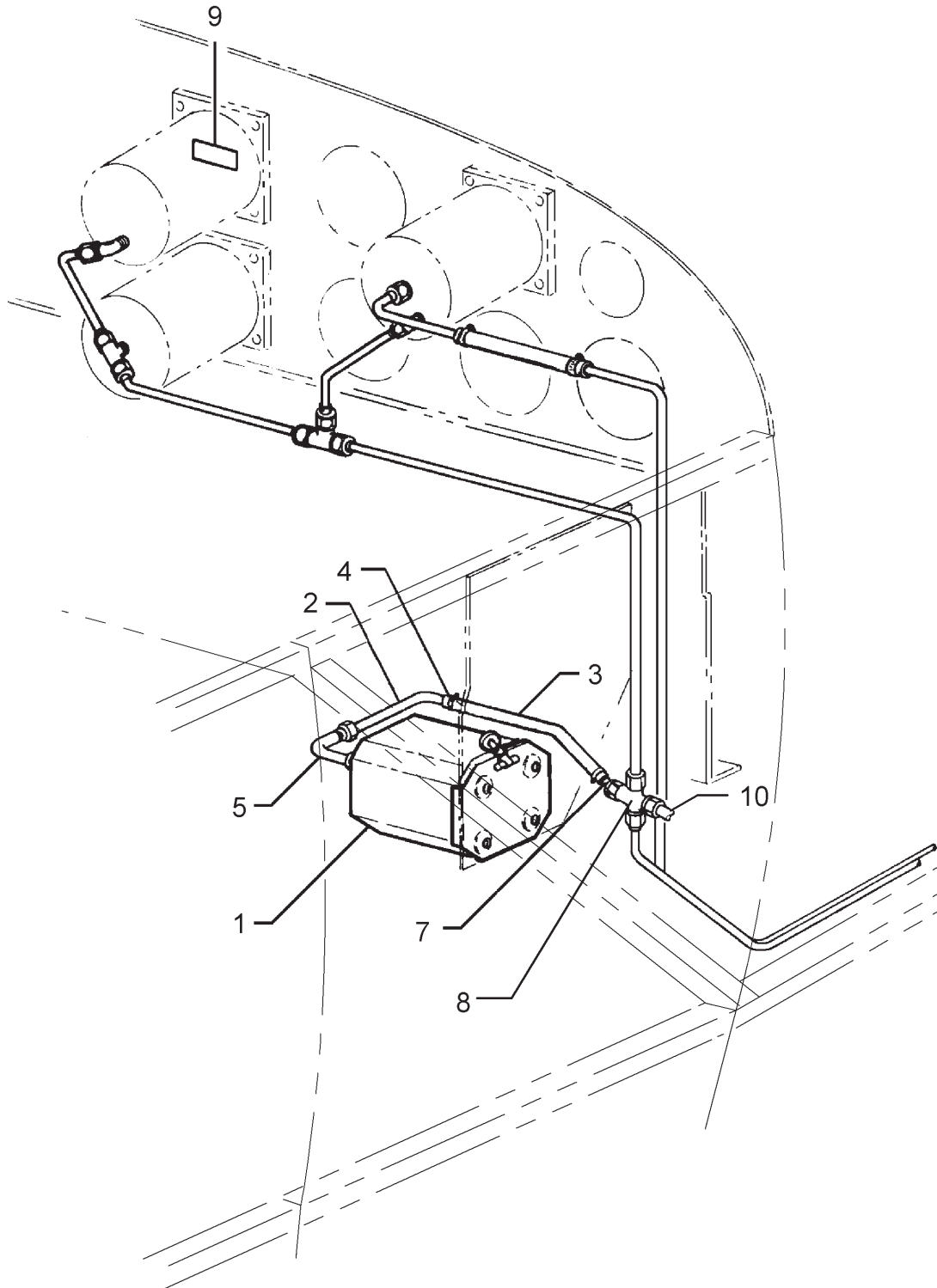


Figure 74. Encoder Installation
(AR-850)(AK-350)

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
74	79658 (H) 100601 (AJ) 101415 (E)	DRAWING - Encoder Installation (AR-850) DRAWING - Avionics Equipment List DRAWING - Encoder Installation (AK-350)	4496001 thru 4496167 4496168 and up	
1	599-012	ENCODER - Narco	4496001 thru 4496167	1
1	602-290	ENCODER	4496168 and up	1
-1A	415-520	SCREW - (MS35206-230)		4
-1B	690-640	WASHER - (NAS1149FN632P)	4496168 and up	4
2	67700-160	TUBE ASSY	4496168 and up	1
2	79636-004	TUBE ASSY - Encoder	4496001 thru 4496167	1
-2A	486-896	SLEEVE - (MS20819-3D)	4496001 thru 4496167	1
-2B	477-611	NUT - (AN818-3D)	4496001 thru 4496167	1
3	63913-037	HOSE - Alternate static		1
4	534-861	CLAMP - (SAE TY-F4)	4496001 thru 4496167	2
4	554-575	CLAMP	4496168 and up	2
5	458-893	ELBOW - (AN822-3D)	4496001 thru 4496167	1
5	558-807	ELBOW - (MS20822-3D)	4496168 and up	1
-6	101425-002	BRACKET	4496168 and up	1
-6A	415-505	SCREW - (MS35206-215)	4496168 and up	3
-6B	690-668	WASHER - (NAS1149FN432P)	4496168 and up	3
7	63211-000	TUBE ASSY	4496168 and up	1
7	79636-004	TUBE ASSY - Encoder	4496001 thru 4496167	1
-7A	486-896	SLEEVE - (MS20819-3D)	4496001 thru 4496167	1
-7B	477-611	NUT - (AN818-3D)	4496001 thru 4496167	1
8	455-417	CROSS - (AN827-3D)	4496001 thru 4496167	1
9	35669-154	PLACARD - Altitude reporter installed	4496001 thru 4496167	1
10	67700-172	TUBE ASSY	4496168 and up	1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

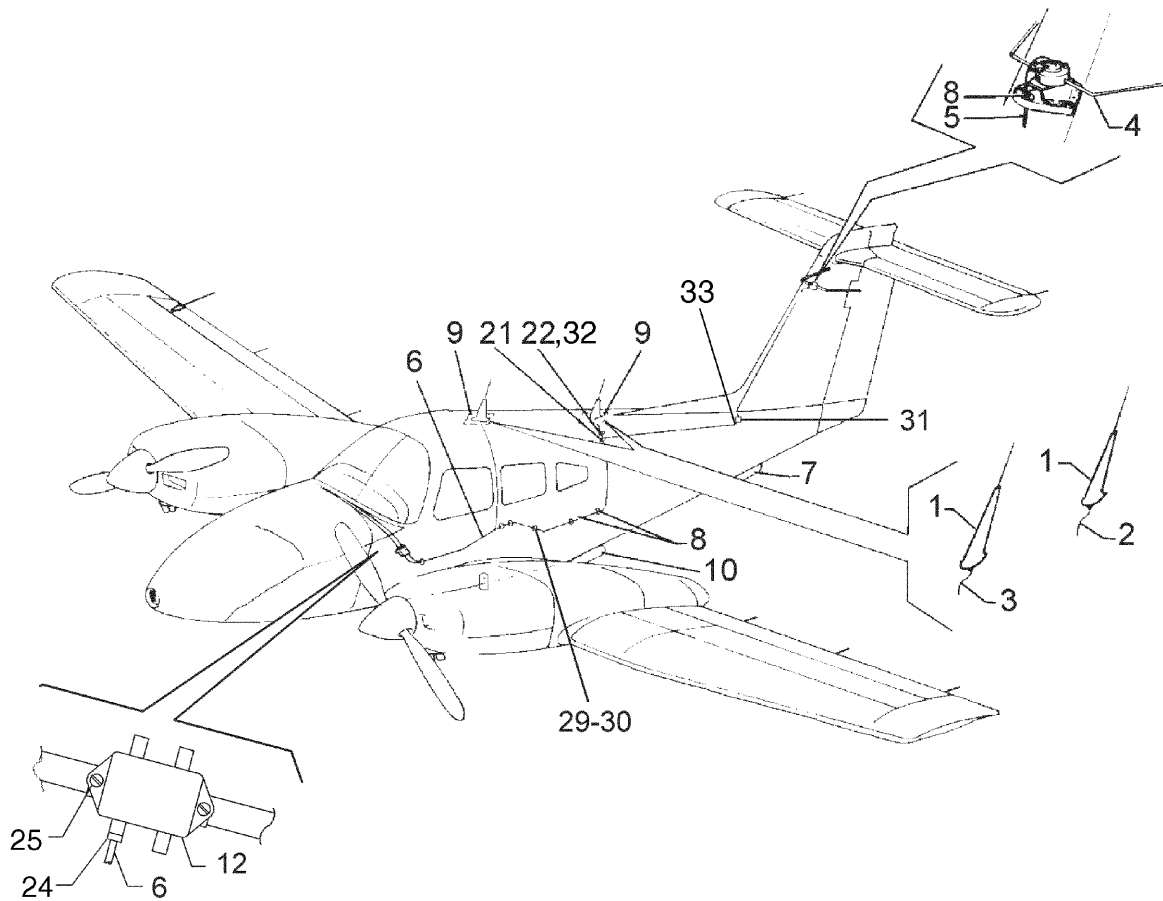


Figure 75. Radio, Antenna System and Static Wicks Installation

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
75	06266 (G)	DRAWING - Radio Antenna System and Static Wick Installation	4496001 thru 4496013 4496015 thru 4496029	
	100601 (AJ)	DRAWING - Avionics Equipment List		
	104083 (A)	DRAWING - NAV and COM Antenna Installation	4496014, 4496030 and up	
	101828	DRAWING - Avionics System Installation	4496174, 4496224 and up (with Entegra)	
	101831	DRAWING - Autopilot System Installation	4496174, 4496224 and up (with Entegra)	
1	596-664	ANTENNA - Broadband, VHF Comm		2
-1A	407-128	STAR LOCK WASHER - (AN936B10)	4496014 and 4496030	4
-1A	408-100	WASHER - (MS35335-32)	4496031 and up	4
2	99610-000	CABLE ASSY - Transmitting	4496001 thru 4496013, 4496015 thru 4496029	1
3	99610-011	CABLE ASSY - Transmitting	4496001 thru 4496013, 4496015 thru 4496029	1
4	551-993	ANTENNA - Navigation		1
-4A	553-289	BOLT		2
5	79019-038	CABLE ASSY - Receiving		1
-5A	434-124	GROMMET - (MS35489-7)	4496014, 4496030 and up	2
6	38390-002	CABLE ASSY - Receiving	4496001 thru 4496013, 4496015 thru 4496029	1
7	39737-002	ANTENNA ASSY - Marker beacon	4496001 thru 4496013, 4496015 thru 4496029	1
8	86401-002	GROMMET - Clamp	4496001 thru 4496013, 4496015 thru 4496029	1
9	39766-002	DOUBLER - Antenna	4496001 thru 4496013, 4496015 thru 4496029	1
-9A	414-740	SCREW - (MS24693-C29)		8
-9B	407-130	WASHER - (AN936-B6)	4496001 thru 4496013, 4496015 thru 4496029	8
10	598-184	ANTENNA - ADF	4496001 thru 4496013, 4496015 thru 4496029	1
-11	DELETED			
12	555-422	COUPLER - Dual Nav-Com with Single Glide Slope	4496001 thru 4496013, 4496015 thru 4496029	1
12	556-833	COUPLER - (Optional)		1
-12A	557-704	ANTENNA COUPLER	4496014, 4496030 and up	1
-12B	556-753	ANTENNA COUPLER		1
-12B	101265-007	CABLE ASSY		4
-13	DELETED			
-14	DELETED			
-15	DELETED			
-16	DELETED			
-17	DELETED			
-17A	DELETED			
-17B	DELETED			
-18	DELETED			
-19	DELETED			
-20	DELETED			
21	554-956	CLAMP		1
-21A	415-499	SCREW		1
22	554-954	CLAMP		3
-22A	415-535	SCREW - (MS35206-245)	4496001 thru 4496013 4496015 thru 4496029	1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
75-				
-22B	415-544	SCREW - (MS35206-244)		1
-22C	189-625	GROMMET	4496001 thru 4496013, 4496015 thru 4496029	1
-23	DELETED			
24	582-905	PLUG KIT	4496001 thru 4496013, 4496015 thru 4496029	3
24	581-043	PLUG KIT	4496001 thru 4496013, 4496015 thru 4496029	3
-24A	407-120	WASHER		2
-24B	405-457	NUT		2
-24C	189-625	GROMMET		1
-24D	415-535	SCREW		1
25	415-499	SCREW - (MS35206-243)		2
-25A	407-583	WASHER	4496001 thru 4496013, 4496015 thru 4496029	2
-25B	406-709	NUT	4496001 thru 4496013, 4496015 thru 4496029	2
-26	683-725	ANTENNA	4496014, 4496030 and up	1
-27	101265-006	COAX ASSY	4496014, 4496030 and up	1
-28	101266-005	CABLE ASSY	4496014, 4496030 and up	1
29	453-836	BUSHING		5
30	453-838	BUSHING	4496014, 4496030 and up	2
31	463-422	GROMMET	4496014, 4496030 and up	2
32	554-954	CLAMP	4496014, 4496030 and up	1
-32A	415-544	SCREW - (MS35206-244)	4496014, 4496030 and up	1
-32B	404-910	NUT - (MS20365-832C)	4496014 and 4496030	1
-32B	404-529	NUT - (MS21042-08)	4496031 and up	1
-33	101827-002	HARNESS ASSY - Avionics	4496174, 4496224 and up (with Entegra)	1
-33A	101827-104	. HARNESS ASSY - System 55X autopilot w/ electric trim		1
-33B	101827-105	. HARNESS ASSY - Autopilot servo		1
-34	101834-002	BRACKET ASSY - Converter	4496174, 4496224 and up (with Entegra)	1
-34A	101834-003	. BRACKET		1
-35	101753-005	HARNESS ASSY - Mag/OAT	4496174, 4496224 and up (with Entegra)	1
-36	101771-016	COAX ASSY - Coupler to antenna	4496174, 4496224 and up (with Entegra)	1
-37	101771-017	COAX ASSY - Coupler to MFD	4496174, 4496224 and up (with Entegra)	1
-38	101771-018	COAX ASSY - Coupler to 430	4496174, 4496224 and up (with Entegra)	1
-39	101771-019	COAX ASSY - XM to antenna	4496174, 4496224 and up (with Entegra)	1
-40	101918-002	COAX CABLE ASSY - GPS #1	4496174, 4496224 and up (with Entegra)	1
-41	101918-003	COAX CABLE ASSY - GPS #2	4496174, 4496224 and up (with Entegra)	1
-42	101918-004	COAX CABLE ASSY - Transponder	4496174, 4496224 and up (with Entegra)	1
-43	101918-005	COAX CABLE ASSY - Marker beacon	4496174, 4496224 and up (with Entegra)	1
-44	101918-006	COAX CABLE ASSY - Skywatch, blue	4496174, 4496224 and up (with Entegra)	1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
75-				
-45	101918-007	COAX CABLE ASSY - Skywatch, red	4496174, 4496224 and up (with Entegra)	1
-46	101918-008	COAX CABLE ASSY - Skywatch, black	4496174, 4496224 and up (with Entegra)	1
-47	101918-009	COAX CABLE ASSY - #1 Comm	4496174, 4496224 and up (with Entegra)	1

-Item not illustrated

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

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

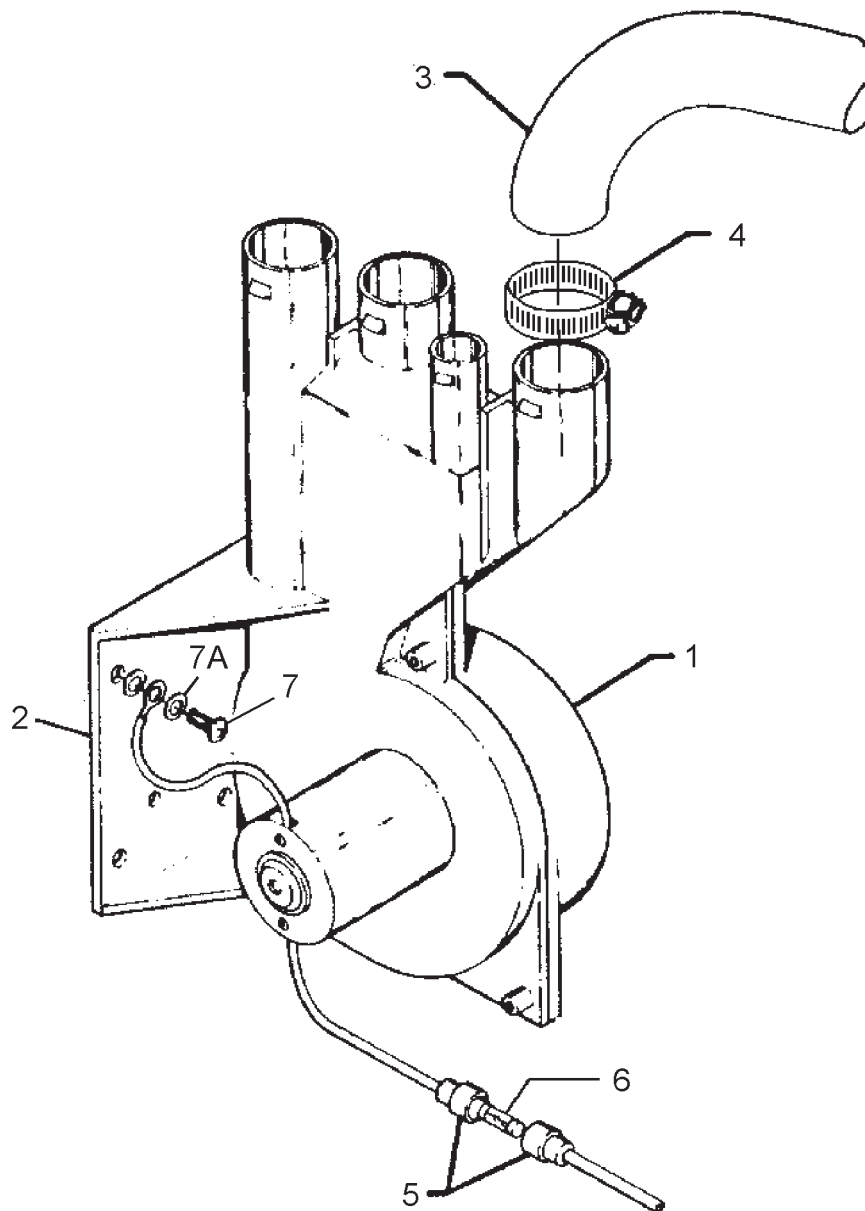


Figure 76. Avionics Cooling Installation

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
76	101145	DRAWING - Blower Cooling Installation	4496001 thru 4496013	
	104084	DRAWING - Blower Cooling Installation	4496015 thru 4496029 4496014 4496030 and up	
1	553-003	BLOWER - Avionics cooling	4496001 thru 4496013 4496015 thru 4496029	1
1	553-006	BLOWER	4496014 4496030 thru 4496042	1
1	460-111	BLOWER	4496043 and up	1
2	100825-002	BRACKET - Blower mount	4496001 thru 4496013 4496015 thru 4496029	1
2	104093-002	BRACKET	4496014 and up 4496030 and up	1
3	63633-135	HOSE - Avionics cooling (40" long)		AR
3	63633-136	HOSE		AR
4	554-678	CLAMP		AR
5	86652-008	FUSE ASSY - Blower	4496001 thru 4496013 4496015 thru 4496029	1
5	465-258	FUSE HOLDER	4496014 4496030 and up	1
-5A	488-401	TERMINAL	4496014 4496030 and up	1
-5B	488-463	TERMINAL		1
-5C	480-791	TERMINAL	4496001 thru 4496013 4496015 thru 4496029	1
6	461-629	. FUSE	4496014 4496030 and up	1
7	415-535	SCREW - (MS35206-245)	4496001 thru 4496013 4496015 thru 4496029	3
7	415-519	SCREW - (MS35206-229)	4496014 4496030 and up	3
7A	690-618	WASHER - (NAS1149FN816P)	4496001 thru 4496013 4496015 thru 4496029	3
7A	690-639	WASHER - (AN960-6L)	4496014 4496030 and up	3
-7B	404-529	NUT - (MS521042-08)	4496001 thru 4496013 4496015 thru 4496029	3
-7B	404-528	NUT - (MS20365-632C)	4496014 4496030 and up	3

-Item not illustrated

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

**THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG**

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
----------------	----------------	--------------	-------------------	----------------------

AVIONICS INSTALLATION DRAWINGS

100601-002	DRAWING - Avionics Equipment List	4496001 thru 4496013 and 4496015 thru 4496019
100601-003	DRAWING - Avionics Equipment List	4496001 thru 4496013 and 4496015 thru 4496019
100601-004	DRAWING - Avionics Equipment List	4496020 thru 4496029
100601-005	DRAWING - Avionics Equipment List	4496020 thru 4496029
100601-006	DRAWING - Avionics Equipment List	4496014 only and 4496030 thru 4496042
100601-007	DRAWING - Avionics Equipment List	4496014 only and 4496030 thru 4496042
100601-008	DRAWING - Avionics Equipment List	4496043 thru 4496179
100601-009	DRAWING - Avionics Equipment List	4496043 thru 4496179
100601-010	DRAWING - Avionics Equipment List	4496180 thru 4496203
100601-011	DRAWING - Avionics Equipment List	4496180 thru 4496203
100601-012	DRAWING - Avionics Equipment List	4496204 thru 4496221
100601-013	DRAWING - Avionics Equipment List	4496222 and up

-Item not illustrated

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

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AIRPLANE PARTS CATALOG

Seminole

PA-44-180
(SERIAL NUMBERS 4496001 AND UP)

CARD 2 OF 2

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THE NEW PIPER AIRCRAFT, INC.

PA-44-180 SEMINOLE

AIRPLANE PARTS CATALOG

AEROFICHE EXPLANATION AND REVISION STATUS

The Parts Catalog information in this set of Aerofiche cards is arranged in accordance with general specifications of Aerofiche adopted by the General Aviation 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.

REVISIONS

The information compiled in this Aerofiche Parts Catalog is kept current by revisions distributed periodically. Each revision is a complete Aerofiche card replacement and supersedes Aerofiche cards of the same number in the set.

Revisions to this PA-44-180 Parts Catalog (761 891) issued July 12, 1995 are as follows:

<u>Effectivity</u>	<u>Publication Date</u>	<u>Aerofiche Card Effectivity</u>
ORG 950712	March 7, 1997	1 and 2
PR 020228	February 28, 2002	1 and 2
PR 030310	March 10, 2003	1 and 2
CR 040710	July 10, 2004	1 and 2
PR 050910	September 10, 2005	1 and 2
PR 051210	December 10, 2005	1 and 2
PR060310	March 10, 2006	1 and 2
PR060610	June 10, 2006	1 and 2
PR060910*	September 10, 2006	1 and 2

* This is a complete re-issue. Please replace the two Aerofiche cards dated June 10, 2006 with the Aerofiche cards dated September 10, 2006.

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THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

INTRODUCTION

This Illustrated Parts Catalog provides simple, positive identification of replacement parts for Model PA-44-180 manufactured by The New Piper Aircraft, Inc. of Vero Beach, Florida.

NOTE: DO NOT USE THIS CATALOG FOR RIGGING AND INSTALLATION PURPOSES.

1. The catalog is divided into fourteen major sections 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 lists: (Refer to EXAMPLE below).
 - a. The FIGURE AND ITEM NUMBER 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 list page.
 - 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 NOMENCLATURE column indicates the part name. This name must be shown on all parts orders.
 - d. The UNITS PER ASSY. (Number Required) column represents the total quantity of parts used 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 this column means As Required.
 - e. The EFFECT FROM TO column indicates the part application by airplane serial number.

EXAMPLE

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
2 1	XXXXX-XXX	DOOR ASSEMBLY - Baggage compartment	XXXXXXX and up	X
2	XXXXX-XXX	. TUBE ASSEMBLY - Baggage door latch		X
3	XXXXX-XXX	. . CLEVIS - Door latch tube assembly		X
4	XXXXX-XXX	. . CLIP - Door latch tube assembly		X

In the nomenclature column, the next higher assembly relationship of items covered is shown by the degree of indention of each item and is indicated by an asterisk (*). One asterisk signifies one indention, two signifies two indentions, etc. The example listing above is interpreted as follows:

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

If the TUBE ASSEMBLY (indented one space) is ordered, it will include the two items indented under the TUBE ASSEMBLY.

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

THE NEW PIPER AIRCRAFT, INC.

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AIRPLANE PARTS CATALOG

3. Piper Aircraft will supply all attaching parts to its customers in any quantity. When purchasing the attaching parts such as nuts, bolts, washers, cotter pins, etc. from Piper Aircraft the customer or service center need only order the part(s) needed.
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. Select the figure title you think might contain the part you wish to identify and proceed to the grid (page) specified. If you don't find the part on this illustration, try another figure in this group.
3. Refer to Figure and Index Number in the parts listing for description of the part.

HOW TO ORDER PARTS

When ordering parts for your Piper airplanes, please observe the following instructions:

1. Place your order with your local distributor or service center.
2. Specify the model and serial number of your airplane.
3. Specify Part Number, Name, Type and Quantity Required.
4. 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.
5. Request price and delivery information prior to order placement.

GENERAL INFORMATION

1. **Shortages**
All orders are checked before leaving our Shipping Department. A packing slip is enclosed with the shipment. Claims for errors or shortages must be made within three days after receipt of orders.
2. **Returned Goods**
No material should be returned without first securing written permission. Material sent in without notice will be held at the owner's risk for thirty 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.
3. **Transportation Liabilities**
The New Piper Aircraft, Inc. 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 try to repair the damage, call the carrier and have their claim agent inspect the damage before filing your claim with the carrier.

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PA-44-180 SEMINOLE

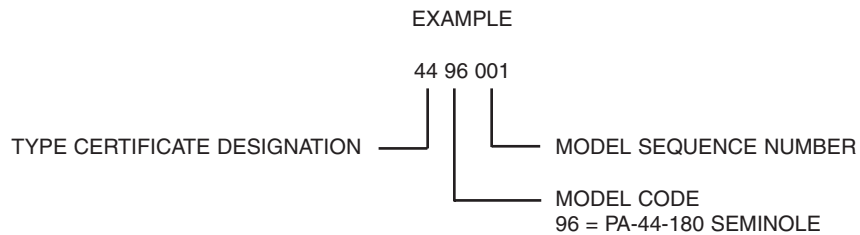
AIRPLANE PARTS CATALOG

PA-44-180 SERIAL NUMBER INFORMATION

The serial numbers of PA-44-180 Seminole aircraft covered by this Parts Catalog are as follows:

4496001 and up

SERIAL NUMBER EXPLANATION



MODEL YEAR	1995	4496001 thru 4496005
MODEL YEAR	1996	4496006 thru 4496013
MODEL YEAR	1997	4496014 thru 4496019
MODEL YEAR	1998	4496020 thru 4496021
MODEL YEAR	1999	4496022 thru 4496029
MODEL YEAR	2000	4496030 thru 4496042
MODEL YEAR	2001	4496043 thru 4496108
MODEL YEAR	2002	4496109 thru 4496166
MODEL YEAR	2003	4496167 thru 4496179
MODEL YEAR	2004	4496180 thru 4496190
MODEL YEAR	2005	4496191 thru 4496219
MODEL YEAR	2006	4496220 and up

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STANDARD PAINT CHART

	MFG. NO.	PIPER PART NUMBER QUART	GALLON
EXTERIOR			
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	4531U	4176 123	1176 123
Lime Green	H7854U	4175 460	1175 460
Sage Green	K7887U	4176 132	1175 460
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
Burnished Gold	N8068U	4763 528	1763 528
Light Blue	K8149U	4763 529	1763 529
Dark Saddle	N8070U	4763 530	1763 530
Dark Green	N8071U	4763 531	1763 531
Saffron	K7889UH	4763 532	1763 532
Light Sandalwood	W8275	4763 533	1763 533
Light Platinum	W8274	4763 534	1763 534
Catalyst (Activator)	912S	4179 950	1179 950
Reducer	Y8485S	4179 145	1179 145
Retarder	8100S	4179 599	1179 599
Accelerator	189S	4179 951	
POLYURETHANE PRIMER (Dupont Imron)			
Wash Primer	B9287	4170 766	1179 766
Wash Primer Thinner	K1733	4179 452	1179 452
Acid Thinner	B9289	4179 403	1179 403
INTERIOR			
INSTRUMENT PANEL			
Cadet Dark Grey			170 902
Grey II (Flat Tan)	D127		170 907

NOTE: SEE SERVICE SPARES LETTER 407 FOR AVAILABILITY OF COLOR PAINT FOR THERMOPLASTIC INTERIOR PANELS.

THE NEW PIPER AIRCRAFT, INC.
PA-44-180 SEMINOLE
AIRPLANE PARTS CATALOG

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3	Wing Leading Edge Assembly	1A22
4	Wing Trailing Edge Assembly	1A24
5	Aileron Assembly.....	1B4
6	Flap Assembly	1B8
SECTION II FUSELAGE GROUP		
7	Fuselage Assembly - Complete	1B12
8	Fuselage Nose Cone Assembly	1B16
9	Fuselage Upper Forward Cockpit Assembly	1B20
10	Fuselage Upper Center Cockpit Assembly	1B24
11	Fuselage Lower Forward Cockpit Assembly	1C4
12	Fuselage Lower Aft Cockpit Assembly.....	1C8
13	Fuselage Aft Section	1C10
14	Fuselage Cabin and Baggage Door Installation	1C14
15	Fuselage Emergency Exit Door Assembly and Installation	1C18
16	Fuselage Enclosure Installation	1C20
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17	Tail Surfaces Installation.....	1C24
18	Fin Assembly	1D4
19	Rudder Assembly	1D8
20	Stabilator Assembly.....	1D12
SECTION IV LANDING GEAR GROUP		
21	Nose Landing Gear Installation.....	1D16
22	Nose Gear Assembly	1D22
23	Nose Wheel Assembly (Cleveland)	1E2
24	Nose Wheel Assembly (McCauley)	1E4
25	Main Gear Installation	1E6
26	Main Gear Assembly.....	1E10
27	Main Wheel Assembly	1E14
28	Brake Assembly.....	1E16
29	Landing Gear Door Installation	1E18
30	Hand Brake Installation	1E20
31	Toe Brake Installation	1E22
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34	Carpet Installation	1F8
35	Seats Installation	1F10
36	Vertically Adjustable Front Seat Assembly	1F14
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37	Instrument Panel Installation	1F20
38	Vacuum System Installation	1F24
39	Pitot Static System Installation (Sheet 1 of 2).....	1G4
39	Pitot Static System Installation (with Entegra) (Sheet 2 of 2).....	1G5
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40A	Power Plant Installation (Left engine).....	1G12
40B	Power Plant Installation (Right engine)	1G16
41	Engine Instrument Lines Installation	1G20
41A	Engine Instrument Lines Installation (with Entegra).....	1G24
42	Engine Exhaust System Installation.....	1H2
43	Engine Baffle Installation.....	1H4
44	Engine Cowl Assembly.....	1H6
45	Cowl Flap Installation	1H10
46	Two Blade Propeller Assembly (Hartzell)	1H12
47	Deleted	
48	Engine Controls Installation	1H16
49	Quadrant Assembly	1H20
50	Nacelle Installation	1H22
SECTION VIII		
FUEL SYSTEM GROUP		
51	Fuel System Installation	1I4
52	Fuel Primer System Installation	1I8
53	Fuel Cell Installation	1I10
SECTION IX		
CONTROL SYSTEM GROUP		
54	Aileron Control Installation	1J14
55	Rudder Control Installation.....	1J18
56	Rudder Trim Installation.....	1J20
57	Stabilator Control Installation	1J24
58	Stabilator Trim Installation	1J4
59	Flap Control Installation	1J8
60	Control Wheel Installation	1J12
61	Rudder Pedal Installation	1J16

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62	Hydraulic System Installation	1J20
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63	Heat and Defrost System Installation	1K2
64	Janitrol Heater Assembly	1K6
65	Janitrol Heater Components	1K8
66	Heater Fuel System Installation	1K10
67	Fresh Air Ventilation Installation	1K12
SECTION XII		
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68	Electrical System Installation	1K18
69	Instrument Panel Electrical Installation (Sheet 1 of 2)	1K24
69	Instrument Panel Electrical Installation (Sheet 2 of 2)	1L1
70	External Power Supply Installation	1L5
71	Deleted	
SECTION XIII		
ELECTRONICS GROUP		
72	Manual Electric Trim Installation	1L10
73	Emergency Locator Transmitter (ELT 110-4) Installation (Artex)	1L12
74	Encoder Installation (AR-850)(AK-350)	1L14
75	Radio, Antenna System and Static Wicks Installation	1L16
76	Avionics Cooling Installation	1L20
	Avionics Installation Drawings	1L22
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77	Placards and Exterior Stencils (Sheet 1 of 2)	2A16
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	Repair Kits and Optional Equipment Kits	2A23
	NUMERICAL INDEX	2B2

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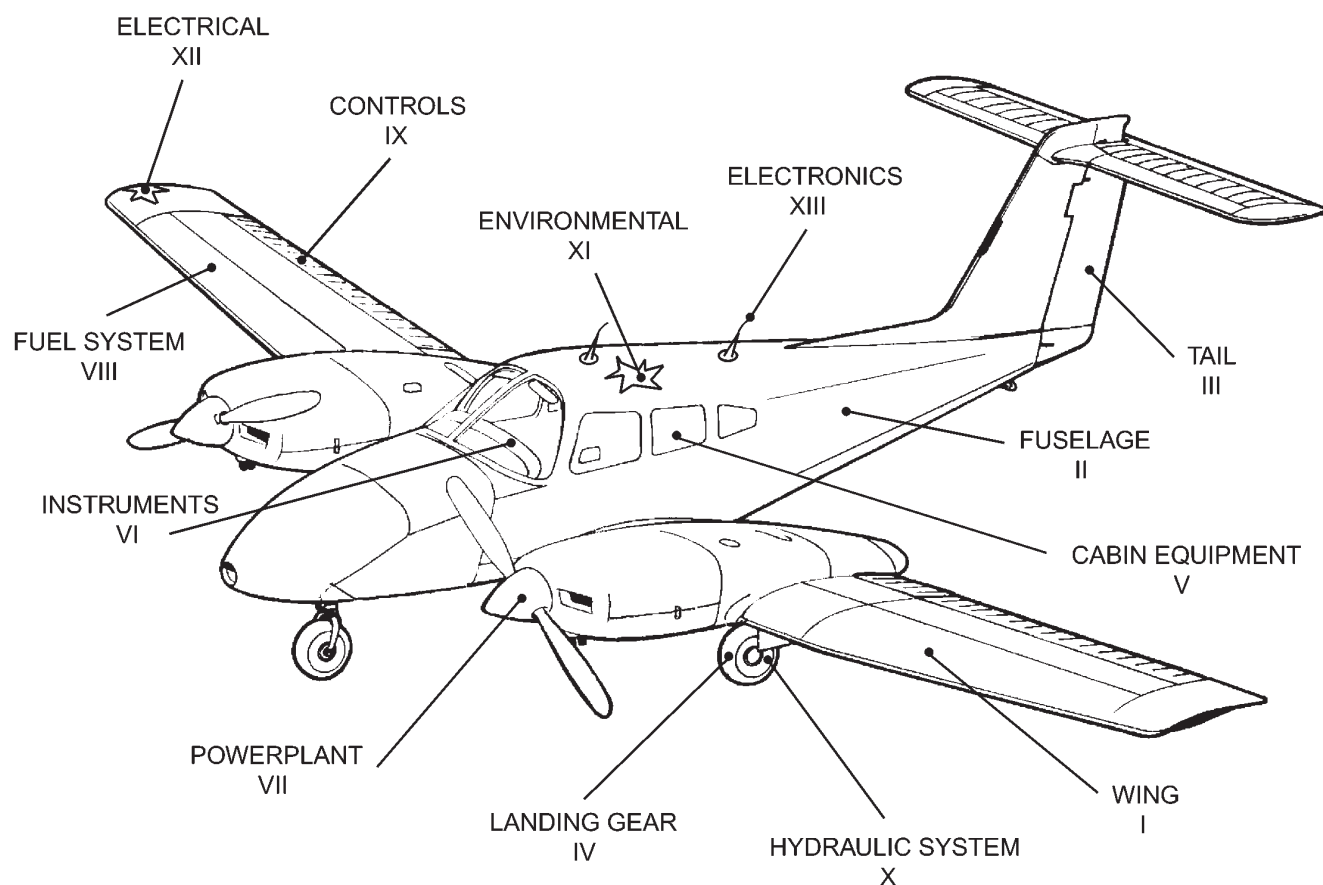


Figure 1. Complete Airplane

THE NEW PIPER AIRCRAFT, INC.
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AIRPLANE PARTS CATALOG

FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
1	86600-003 104500-002 104500-003 104500-004	Complete Airplane	4496001 thru 4496030 4496031 thru 4496042 4496043 thru 4496173, 4496175 thru 4496223 (without Entegra) 4496174, 4496224 and up (with Entegra)	

-Item not illustrated

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

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SERVICE BULLETINS INCORPORATED

725	1026	1109	1151
990	1028	1117	1156
1016	1033	1127	
1020	1048	1139	
1023	1083	1143	

SERVICE LETTERS INCORPORATED

1027	1063
1034	1093
1038	
1047	
1060	

(These Service Bulletins and Letters show the base number and may have later revisions than shown, Ex: A, B, Etc. Always check for the latest revision)

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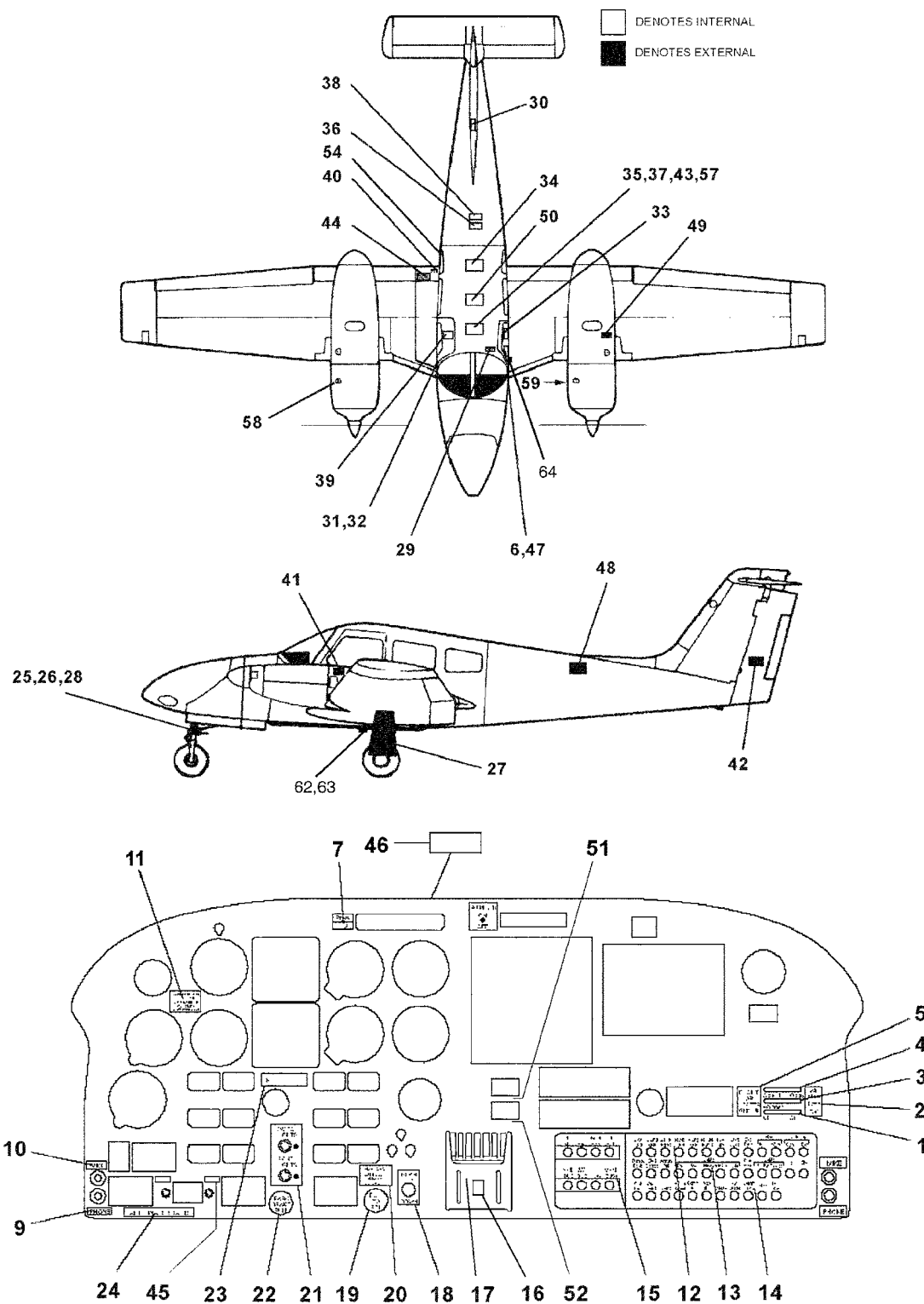
SECTION XIV

MISCELLANEOUS GROUP

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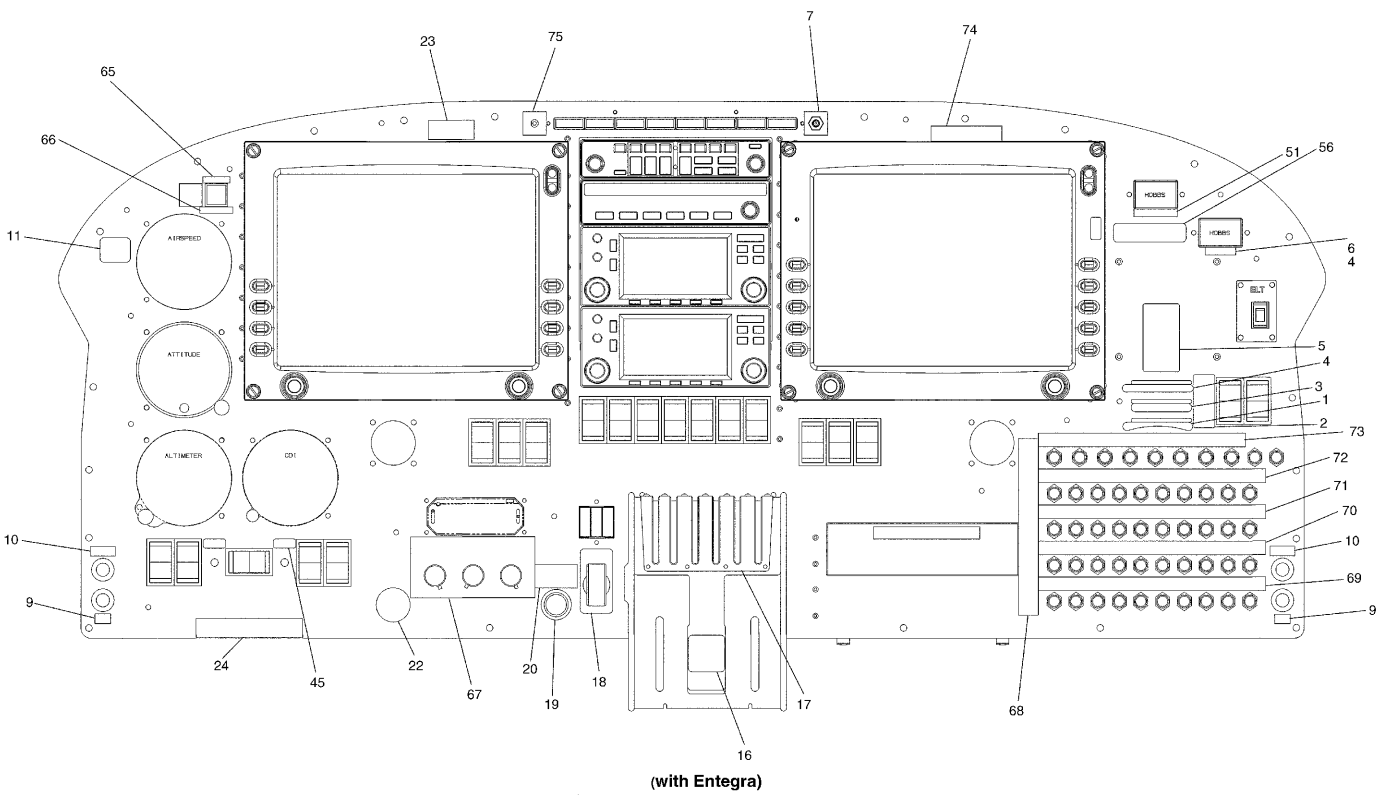


Figure 77. Placards (with Entegra)
(Sheet 2 of 2)

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FIGURE ITEM	PART NUMBER	NOMENCLATURE	EFFECT FROM TO	UNITS PER ASSY
77	86725 (BC) 86758 (A)	DRAWING - Placard Installation DRAWING - Mirror Installation		
1	583-066	PLACARD - Off/on (Def.)	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
1	684-718	DECAL - Defrost selector	4496174, 4496224 and up (with Entegra)	1
2	583-069	PLACARD - Air Intake, Temp., Def.	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
2	684-720	DECAL - Air Intake/Temp./Def.	4496174, 4496224 and up (with Entegra)	1
3	583-067	PLACARD - Warmer (Heater)	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
3	684-719	DECAL - Temperature	4496174, 4496224 and up (with Entegra)	1
4	583-061	PLACARD - Closed-open	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
4	684-716	DECAL - Air Intake Selector	4496174, 4496224 and up (with Entegra)	1
5	583-065	PLACARD - Heater- Flight Op., Ground Op.	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
5	684-717	DECAL - Heater	4496174, 4496224 and up (with Entegra)	1
6	582-652	PLACARD - Storm window		1
7	582-250	PLACARD - Press to test	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
7	683-294	DECAL - Press to test	4496174, 4496224 and up (with Entegra)	1
-8	DELETED			
9	683-231	PLACARD - Mike	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	2
9	683-965	DECAL - Mic	4496174, 4496224 and up (with Entegra)	2
10	683-232	PLACARD - Phone	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	2
10	683-292	DECAL - Phone	4496174, 4496224 and up (with Entegra)	2
11	583-329	PLACARD - Airspeed	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
11	684-721	DECAL - Airspeed	4496174, 4496224 and up (with Entegra)	1
12	683-242	PLACARD - Circuit breaker, top		1
13	683-243	PLACARD - Circuit breaker, center		1

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77-				
14	683-328	PLACARD - Circuit breaker, bottom	4496001 thru 4496042	1
14	683-365	PLACARD - Circuit breaker, bottom	4496043 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
15	683-245	PLACARD - Circuit breaker, side		1
16	583-058	PLACARD - Carburetor heat		1
17	683-382	PLACARD - Engine control cover (95805-002)		1
18	583-015	PLACARD - Gear switch	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
18	684-715	DECAL - Gear selector	4496174, 4496224 and up (with Entegra)	1
19	583-013	PLACARD - Emergency gear release knob	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
19	684-714	DECAL - Emergency gear release	4496174, 4496224 and up (with Entegra)	1
20	583-082	PLACARD - Emergency gear release	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
20	683-303	DECAL - Emergency gear extend	4496174, 4496224 and up (with Entegra)	1
21	683-226	PLACARD - Switch and panel lights		1
22	583-063	PLACARD - Park brake		1
23	480-987	PLATE - Registration number		1
24	683-262	PLACARD - Alternate static	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
24	683-297	DECAL - Alternate static source control	4496174, 4496224 and up (with Entegra)	1
25	582-783	PLACARD - Turn limit center mark		1
26	582-786	PLACARD - Turn limit		1
27	583-078	PLACARD - Service instructions (main gear)		2
28	583-080	PLACARD - Service instructions (nose gear)		1
29	583-048	PLACARD - Emergency exit		1
30	581-888	PLACARD - Stabilator balance weight		1
31	582-618	PLACARD - Open		1
32	582-619	PLACARD - Latch		1
-33	683-411	PLACARD - Door - (35669-233)	4496043 and up	1
-34	683-950	PLACARD - Aft door open instructions - (35669-235)	4496043 and up	1
35	583-060	PLACARD - Fuel selector		1
36	581-178	PLACARD - Baggage limitations		1
37	581-689	PLACARD - Stabilator trim		1
38	581-557	PLACARD - Soft wear		1
39	63774-000	PLACARD - Door release		1
39	583-536	PLACARD - Door release (optional)		1
-39A	36500-002	LETTERING DETAIL - Door		1
40	38015-007	PLACARD - No step		2
40	583-583	PLACARD - No step (optional)		2
41	38015-006	PLACARD - Level point		2
41	583-582	PLACARD - Level point (optional)		2
42	583-581	PLACARD - Do not push		2
43	583-079	PLACARD - Flap lever		1
44	582-789	PLACARD - Warning, flap step		1

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77-				
45	582-675	PLACARD - Primer	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	2
45	684-724	DECAL - Primer switch	4496174, 4496224 and up (with Entegra)	2
46	583-666	PLACARD - Compass caution		1
47	583-323	PLACARD - Limitations		1
48	583-012	PLACARD - Fuel system drain	4496001 thru 4496030	1
48	683-404	PLACARD - Fuel system drain	4496031 and up	1
49	456-682	DECAL - Fuel filler		2
50	582-457	PLACARD - Cabin air		1
51	683-263	PLACARD - Maintenance	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
51	684-722	DECAL - Maintenance Hobbs	4496174, 4496224 and up (with Entegra)	1
52	683-264	PLACARD - Heater		1
-53	656-273	DECAL - No smoking	4496001 thru 4496013	1
-53	656-322	DECAL - No smoking	4496014 and up	1
54	583-584	DECAL - Baggage max 200 lbs		1
-55	581-736	PLACARD - Cowl flap		1
-56	581-114	PLACARD - Winterization kit	4496001 thru 4496173, 4496175 thru 4496223 (without Entegra)	1
56	656-344	DECAL - Winterization kit	4496174, 4496224 and up (with Entegra)	1
57	583-393	PLACARD - Rudder trim		1
58	89462-002	DECAL - Oil spec		2
59	474-641	MIRROR		1
-60	653-819	CHECKLIST (85743-018)		1
-61	DELETED			
-62	581-883	PLACARD - Brake Fluid Reservoir		1
-63	581-738	PLACARD - Fluid Level		1
64	684-723	DECAL - Flight Hobbs	4496174, 4496224 and up (with Entegra)	1
65	656-258	DECAL - Elev. Trim	4496174, 4496224 and up (with Entegra)	1
66	656-259	DECAL - Push on/off	4496174, 4496224 and up (with Entegra)	1
67	656-108	DECAL - Dimming	4496174, 4496224 and up (with Entegra)	1
68	684-713	DECAL - Circuit breaker, side	4496174, 4496224 and up (with Entegra)	1
69	684-712	DECAL - Circuit breaker, bottom	4496174, 4496224 and up (with Entegra)	1
70	684-711	DECAL - Circuit breaker, center	4496174, 4496224 and up (with Entegra)	1
71	684-710	DECAL - Circuit breaker, center	4496174, 4496224 and up (with Entegra)	1
72	684-709	DECAL - Circuit breaker, center	4496174, 4496224 and up (with Entegra)	1

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77-				
73	684-708	DECAL - Circuit breaker, top	4496174, 4496224 and up (with Entegra)	1
74	656-047	DECAL - Stormscope	4496174, 4496224 and up (with Entegra)	1

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REPAIR KITS AND OPTIONAL EQUIPMENT KITS				
89266-002		TABLE - Rear work		
760-297		PITOT COVER		
764-052		CARBURETOR ICE DETECTOR INSTALLATION		
764-094		JANITROL HEATER HOUR METER INSTALLATION		
764-221		OPTIONAL HEAVY DUTY OIL COOLER		
766-222		FIRE RESISTANT FIBERGLASS REPAIR KIT		
766-686		COMBUSTION HEATER - Dual Fuel Pump (Reference Piper Service Letter #1038 - latest revision)	4496001 thru 4496037	
766-699		MAGNETIC COMPASS INTERFERENCE - Wire Relocation (Reference Piper Service Letter #1034 - latest revision)	4496001 thru 4496061	
767-320		AUTOPILOT STEERING (Reference Piper Service Bulletin #1083 - latest revision)	4496044 4496047 thru 4496051	
767-343		PILOT-SIDE POST HANDGRIP (Reference Piper Service Letter #1047 - latest revision)	4496001 thru 4496119	
79700		ZINC CHROMATE AND CABLE KIT		
89361-2		ENGINE MOUNTS - Remove and Replace (Reference Piper Service Bulletin #1151 - latest revision)	4496183 thru 4496184	
767-367		COMBUSTION HEATER - Fuel Pump Leakage (Reference Piper Service Bulletin #1127 - latest revision)	4496001 thru 4496190	
764-148		AILERON REWORK - Outboard Leading Edge (Reference Piper Service Bulletin #725 - latest revision)	4496001 thru 4496015	
767-390 thru 767-395		ELECTRICAL CONTACTOR REPLACEMENT KIT (Reference Piper Service Letter #1093 - latest revision)		
767-397		RIB FLANGE REPAIR (L.H.) - (88373-002)	4496001 thru 4496219	
767-398		RIB FLANGE REPAIR (R.H.) - (88373-003)	4496001 thru 4496219	
767-371		PRESS. XDCR. RELOCATION KIT (r.h. firewall)	4496001 thru 4496162 4496164 thru 4496166	
767-518		GUSSET INSTL. KIT - Engine Mount Assy (Reference Piper Service Bulletin #1033 - latest revision)	4496001 thru 4496216	

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