



AIRPLANE PARTS CATALOG

PA-23-150 APACHE

PA-23-160 APACHE

CARD 1 OF 2

PIPER AIRCRAFT CORPORATION

Courtesy of Bomar Flying Service
www.bomar.biz

PART NUMBER: 752 421

INTERIM REVISION: SEPTEMBER 1998

PIPER PARTS CATALOG

AEROFICHE EXPLANATION AND REVISION STATUS

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

Conversion of Aerofiche alpha/numeric code numbers:

First number is the Aerofiche card identifier.

Letter is the horizontal line reference per card.

Second number is the vertical line reference per card.

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

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

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

REVISIONS

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

Current Revisions to this PA-23-150 and PA-23-160 Parts Catalog issued April 2, 1973 are as follows:

752 421 (ORG730402).....	Dated April 1973
752 421 (PR770506).....	Dated May 1977
752 421 (PR830211).....	Dated February 1983
752 421 (IR980904).....	Dated September 1998

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

INTRODUCTION

This illustrated Parts Catalog is designed to provide simple but positive identification of replacement parts for the Piper Model PA-23-150 "Apache" and PA-23-160 "Apache", manufactured by the Piper Aircraft Corporation of Lock Haven, Pennsylvania.

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

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

1. The catalog is divided into eleven (11) major sections described as follows:
 - a. Section I to X 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 XI is the Miscellaneous Group. This group includes a listing of the Optional Equipment Kits, Repair Kits and Special Tools.
2. The following is a brief explanation of the columns in the parts listing:
 - a. The "FIGURE AND INDEX" column indicates the illustration figure number and its part index number. Example: (2-1), the 2 is the figure number and the 1 is the index number. The figure number appears only at the top of each parts listing page or at the beginning of each new parts listing.
 - b. The "PART NUMBER" column contains the identifying number of the replacement part and this number must be shown on all Parts Orders.
 - c. The "CODE" column is for the purpose of indicating special uses of the part. An explanation of the letter code used is shown below each listing.
 - d. The "NOMENCLATURE" column indicates the part name. This name must be shown on all Parts Orders.
 - e. The "NO. REQ." (Number Required) column represents the total quantity of parts used per aircraft per figure when the part is not indented and the quantity of parts used per assembly when the part is indented. The symbol "AR" listed in this column means "As Required".
 - f. The "SERIAL NUMBERS AFFECTED" column indicates the part application by airplane serial numbers.

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

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

This listing is interpreted as follows:

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

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

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

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

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



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

1. Refer to Figure 1 and Figure 1A to determine the section number in which the part is used.
2. Refer to the Table of Contents and locate the section. Note the figure numbers that illustrate the various subgroups of this main section.
 - a. Select the figure title you think might contain the part you wish to identify and turn to the grid (page) specified.
3. Find the part on the illustration and note the index number.

NOTE: If you don't find the part on this illustration, try another figure in this group.

4. Refer to the "Figure and Index Number" in the Parts Listing for complete description of the part.

HOW TO ORDER PARTS

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

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

GENERAL INFORMATION

a. Shortages

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

b. Returned Goods

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

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

c. Transportation Liabilities

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

PIPER PARTS CATALOG

PA-23-150 AND PA-23-160 SERIAL NUMBER INFORMATION

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

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

- (1) Serial numbers of the 1954-1955 PA-23 "Apache" Models are 23-1 to 23-375 inclusive.
- (2) Serial numbers of the 1956 PA-23 "Apache" Models are 23-376 to 23-746 inclusive.
- (3) Serial numbers of the 1957 PA-23 "Apache" Models are 23-747 to 23-1067 inclusive, 23-1069 to 23-1163 inclusive.
- (4) Serial numbers of the 1958 PA-23 "Apache" Models are 23-1068, 23-1164 to 23-1396, 23-1398 to 23-1501 inclusive.
- (5) Serial numbers of the 1959 PA-23 "Apache" Models are 23-1397, 23-1502 to 23-1767, 23-1769 to 23-1870 inclusive.
- (6) Serial numbers of the PA-23 Apache Model G are 23-1768, 23-1871 to 23-2012 inclusive.
- (7) Serial numbers of the PA-23 Apache Model H are 23-2013 and up.

PIPER PARTS CATALOG

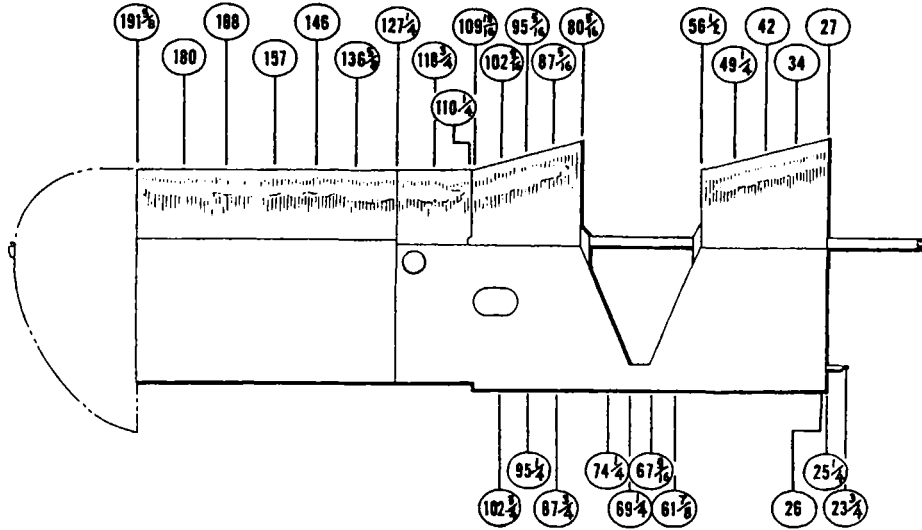
STANDARD PAINT CHART

EXTERIOR	MFG. NO.	PIPER PART NUMBER	
		QUART	GALLON
POLYURETHANE ENAMEL (Dupont Imron)			
Baja Yellow	H7850U	4175 461	1175 461
Juneau White	H7848U	4175 462	1175 462
Ocala Orange	H7857UM	4175 463	1175 463
Madrid Red	H7851UM	4175 464	1175 464
Bahama Blue	H7853U	4175 465	1175 465
Alvocado	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

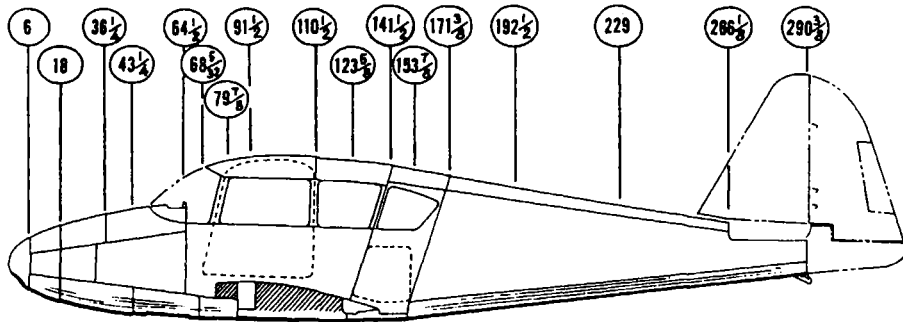
INTERIOR

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

WING STATIONS



FUSELAGE STATIONS



DO NOT USE FOR WEIGHT AND BALANCE INFORMATION



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1A11

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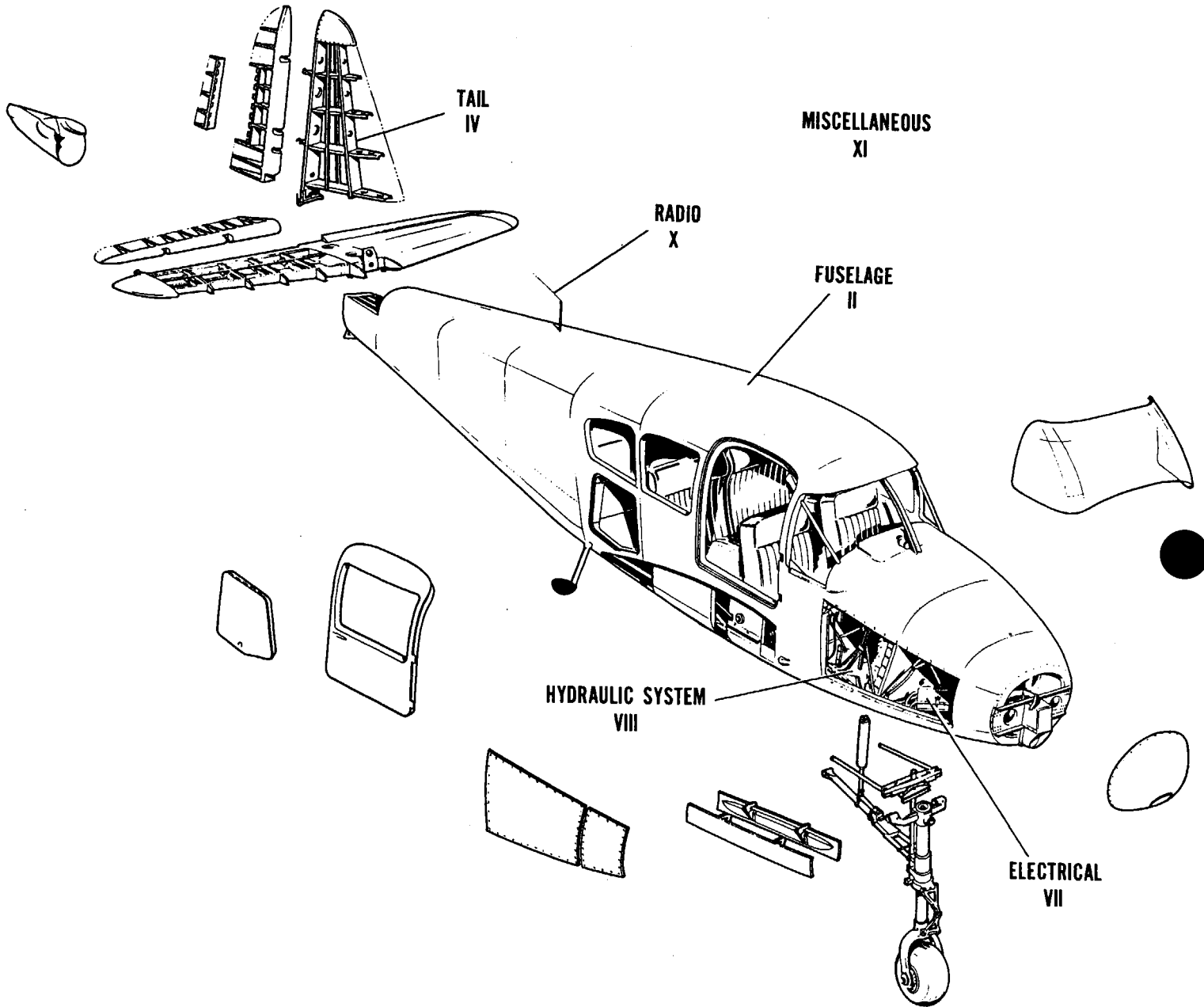


Figure 1. Exploded View of Complete Airplane

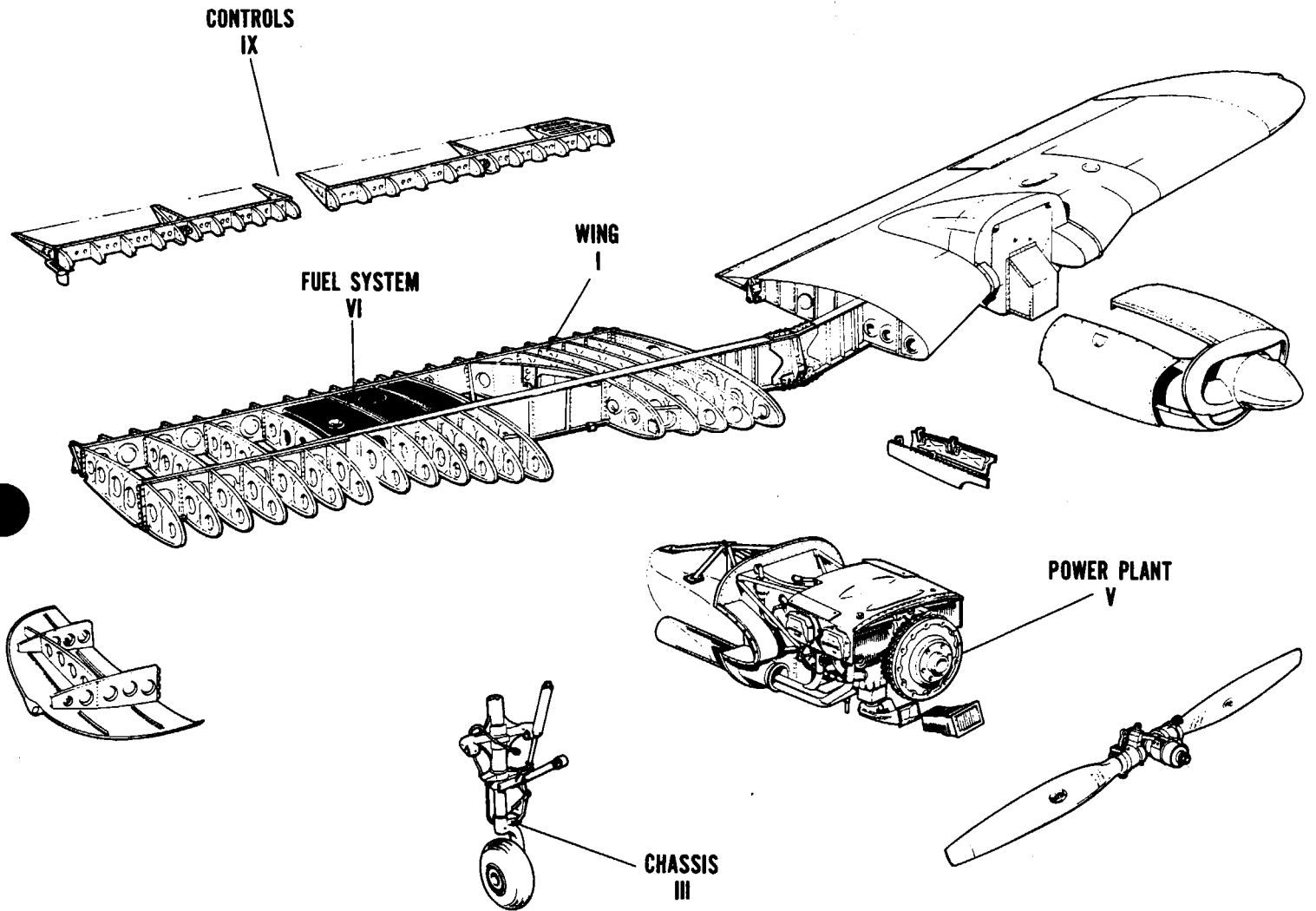


Figure 1A. Exploded View of Complete Airplane

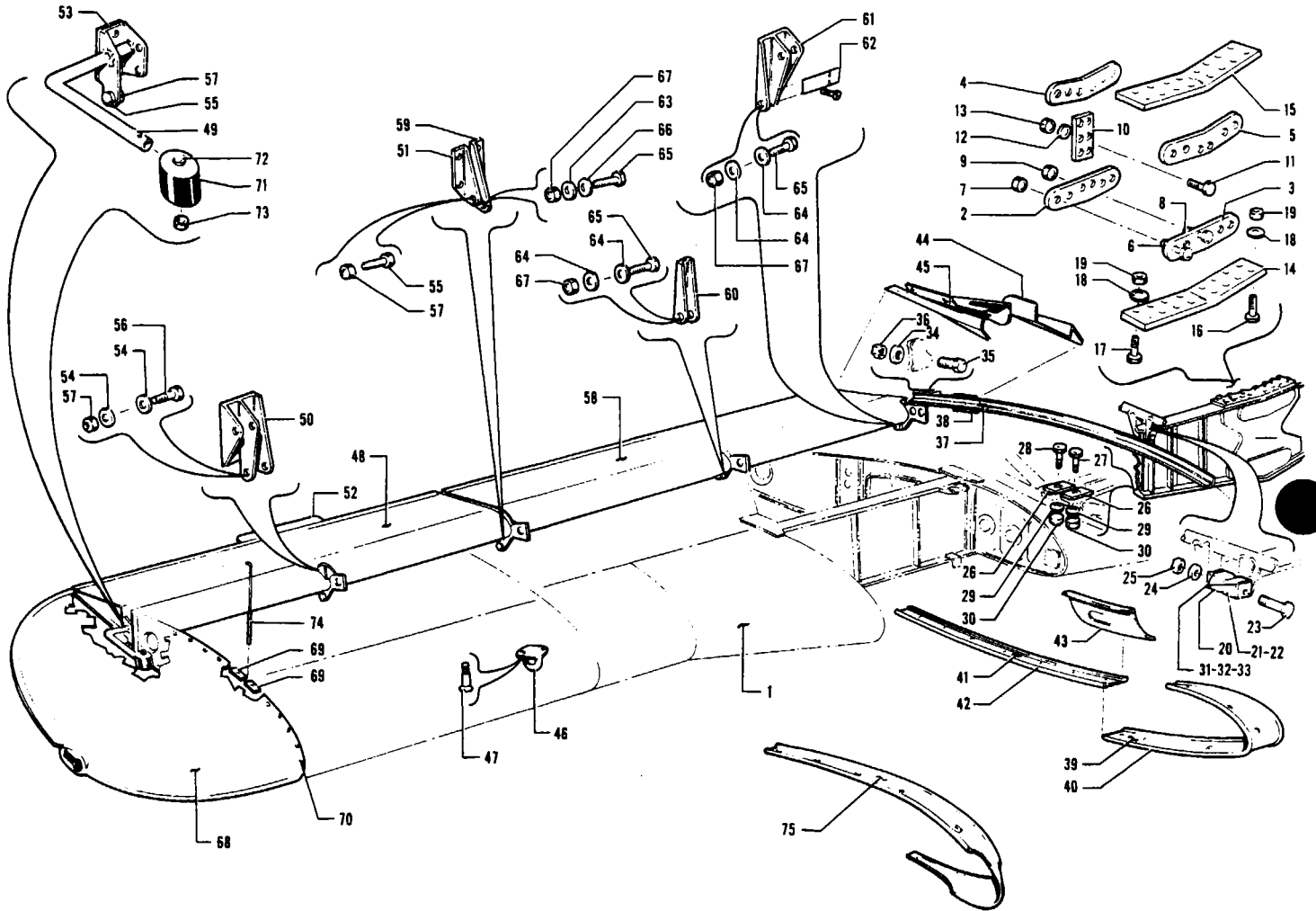


Figure 2. Wing Installation

1A14



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
2-	17901 18268		DRAWING - Wing Installation DRAWING - Wing Fairing Installation		
-1	17422-01 17422-00 17422-45 17422-44 17422-61 17422-62	A A B B	PANEL ASSEMBLY - Right wing PANEL ASSEMBLY - Left wing PANEL ASSEMBLY - Right wing PANEL ASSEMBLY - Left wing PANEL ASSEMBLY - Right wing PANEL ASSEMBLY - Left wing	1 1 1 1 1 1	23-1 to 23-1151 inclusive 23-1 to 23-1151 inclusive 23-1152 and up 23-1152 and up 23-1152 and up 23-1152 and up
-2	17477-00		STRAP - Spar attachment lower rear	1	
-3	17477-02		STRAP - Spar attachment lower front	1	
-4	17476-00		STRAP - Front spar attachment upper rear	1	23-1 to 23-1151 inclusive
-5	17476-02		STRAP - Front spar attachment upper front	1	
-6	400 156		BOLT - (AN5-11)	8	
-7	406 683		NUT - Elastic stop (#42Eo54)	8	
-8	401 270		BOLT - (AN3-11A)	4	
-9	404 887		NUT - Elastic stop (MS20365-1032C)	4	
-10	17681-00 19303-00 19459-02 19459-03		PLATE - Front spar attachment, rear PLATE - Front spar attachment, rear PLATE - Front spar attachment, rear (.187) PLATE - Front spar attachment, rear (.125)	1 1 1 1	23-1 to 23-1151 inclusive 23-1152 to 23-1329 inclusive 23-1330 and up 23-1330 and up
-11	400 440 401 269		BOLT - (AN3-6A) BOLT - (AN3-10A)	6 6	23-1 to 23-1151 inclusive 23-1152 and up
-12	407 564		WASHER - (AN960-10)	6	
-13	404 887		NUT - Elastic stop (MS20365-1032C)	6	
-14	17475-02 17475-04		PLATE - Front spar attachment, bottom PLATE - Front spar attachment, bottom	1 1	23-1 to 23-1151 inclusive 23-1152 and up
-15	17475-03 17475-05		PLATE - Front spar attachment, top PLATE - Front spar attachment, top	1 1	23-1 to 23-1151 inclusive 23-1152 and up
-16	401 393 401 394		BOLT - (AN6-12A) BOLT - (AN-13A)	16 16	23-1 to 23-1151 inclusive 23-1152 and up
-17	401 394 401 395		BOLT - (AN6-13A) BOLT - (AN6-14A)	16 16	23-1 to 23-1151 inclusive 23-1152 and up
-18	407 567		WASHER - (AN960-616)	32	
-19	404 890		NUT - Elastic stop (MS20365-624C)	32	
-20	17694-04		BLOCK - Front spar spacer, rear, top	2	
-21	17694-02		BLOCK - Front spar spacer, front left, top	1	
-22	17694-03		BLOCK - Front spar spacer, front right, top	1	
-23	401 332		BOLT - (AN4-34A)	2	
-24	407 565		WASHER - (AN960-416)	2	
-25	406 682		NUT - Elastic stop (#42E048)	2	
-26	17480-00		BLOCK - Front spar side attachment spacer	4	
-27	401 363 401 364		BOLT - (AN5-24A) BOLT - (AN5-25A)	2 2	23-1 to 23-1151 inclusive 23-1152 and up
-28	401 364		BOLT - (AN5-25A)	2	
-29	407 566		WASHER - (AN960-516)	4	
-30	406 683		NUT - Elastic stop (#42E054)	4	
-31	18380-02		SHIM - (.020)	AR	
-32	18380-03		SHIM - (.032)	AR	
-33	18380-04		SHIM - (.064)	AR	

A - Used when 150 H.P. engines are installed.
B - Used when 160 H.P. engines are installed.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
2-34	402 350		BOLT - Rear spar attachment (AN176-10A)	2	
-35	407 567		WASHER - Rear spar attachment (AN960-616)	2	
-36	404 890		NUT - Elastic stop (MS20365-624C)	2	
-37	18166-01		FAIRING ASSEMBLY - Right wing root, upper	1	
	18166-00		FAIRING ASSEMBLY - Left wing root, upper	1	
-38	19795-00		EXTRUSION - Rubber	5	
-39	18164-01		FAIRING ASSEMBLY - Right wing root, front	1	23-1 to 23-1182 inclusive
	18164-00		FAIRING ASSEMBLY - Left wing root, front	1	23-1 to 23-1182 inclusive
	19360-01		FAIRING ASSEMBLY - Right wing root, front	1	23-1183 and up
	19360-00		FAIRING ASSEMBLY - Left wing root, front	1	23-1183 and up
-40	19795-00		EXTRUSION - Rubber	7	
-41	18165-01		FAIRING ASSEMBLY - Right wing root, lower	1	
	18165-00		FAIRING ASSEMBLY - Left wing root, lower	1	
-42	19795-00		EXTRUSION - Rubber	6	
-43	18176-00		PLATE - Wing, front spar bolt cover	2	
-44	18129-00		PLATE - Right wing root, rear fairing	1	
	18128-00		PLATE - Left wing root, rear fairing	1	
-45	18131-00		FAIRING ASSEMBLY - Right wing root, rear	1	
	18130-00		FAIRING ASSEMBLY - Left wing root, rear	1	
-46	18457-00		RING - Tie down	2	
-47	410 044		SCREW - (AN509-10R-15)	4	
-48	17100-01	A	AILERON ASSEMBLY - Right wing	1	
	17100-00	A	AILERON ASSEMBLY - Left wing	1	
-49	17126-09		BALANCE ASSEMBLY - Right aileron	1	
	17126-08		BALANCE ASSEMBLY - Left aileron	1	
-50	17097-01		HINGE - Right aileron, center	1	
	17097-00		HINGE - Left aileron, center	1	
-51	17095-01		HINGE - Right aileron, inboard	1	
	17095-00		HINGE - Left aileron, inboard	1	
-52	18379-00		TAB - Aileron trim	1	
-53	17202-00		SHIM - Aileron hinge	1	
-54	80012-94		BUSHING - Aileron center hinge	4	
-55	401 310		BOLT - (AN4-10A)	4	
-56	400 008		BOLT - (AN4-13A)	2	
-57	406 682		NUT - Elastic stop (#42E048)	6	
-58	17104-01	A	FLAP ASSEMBLY - Right wing	1	
	17104-40	A	FLAP ASSEMBLY - Left wing	1	
-59	17103-01		HINGE - Right flap, outboard	1	
	17103-00		HINGE - Left flap, outboard	1	
-60	17102-01		HINGE - Right flap, center	1	
	17102-00		HINGE - Left flap, center	1	
-61	17101-01		HINGE - Right flap, inboard	1	
	17101-00		HINGE - Left flap, inboard	1	
-62	17120-00		STOP - Wing flap	1	
-63	14175-46		BUSHING - Flap outboard hinge	2	
-64	80122-68		WASHER - Flap inboard and center hinge	8	
-65	400 008		BOLT - (AN4-13A)	6	
-66	407 565		WASHER - (AN960-416)	2	
-67	406 682		NUT - Elastic stop (#42E048)	6	

A - See Figure 4 for component parts.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
2-68	17531-00	B	TIP ASSEMBLY - Left wing	1	
	17531-01	B	TIP ASSEMBLY - Right wing	1	
	17531-40	C	TIP ASSEMBLY - Left wing	1	
	17531-41	C	TIP ASSEMBLY - Right wing	1	
-69	81172-70		LUG - Wing tip attaching	4	
-70	415 449		SCREW - Truss head machine (#8-32 x 1/2 L)	58	
-71	17125-00		BLOCK - Aileron balance	2	
-72	401 365		BOLT - (AN5-26A)	2	
-73	406 683		NUT - Elastic stop (#42E054)	2	
-74	17529-04		PIN - Wing tip hinge	2	
-75	19361-01	A	FAIRING ASSEMBLY - Right	1	23-1164 and up
	19361-00	A	FAIRING ASSEMBLY - Left	1	23-1164 and up

A - Used on 23-1 to 23-1163 inclusive when Kit 754 175 is installed.
 B - If Kit 754 493 is used, order part number 17531-40 left or 17531-41 right.
 C - Used only if Kit 754 493 has been installed.

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

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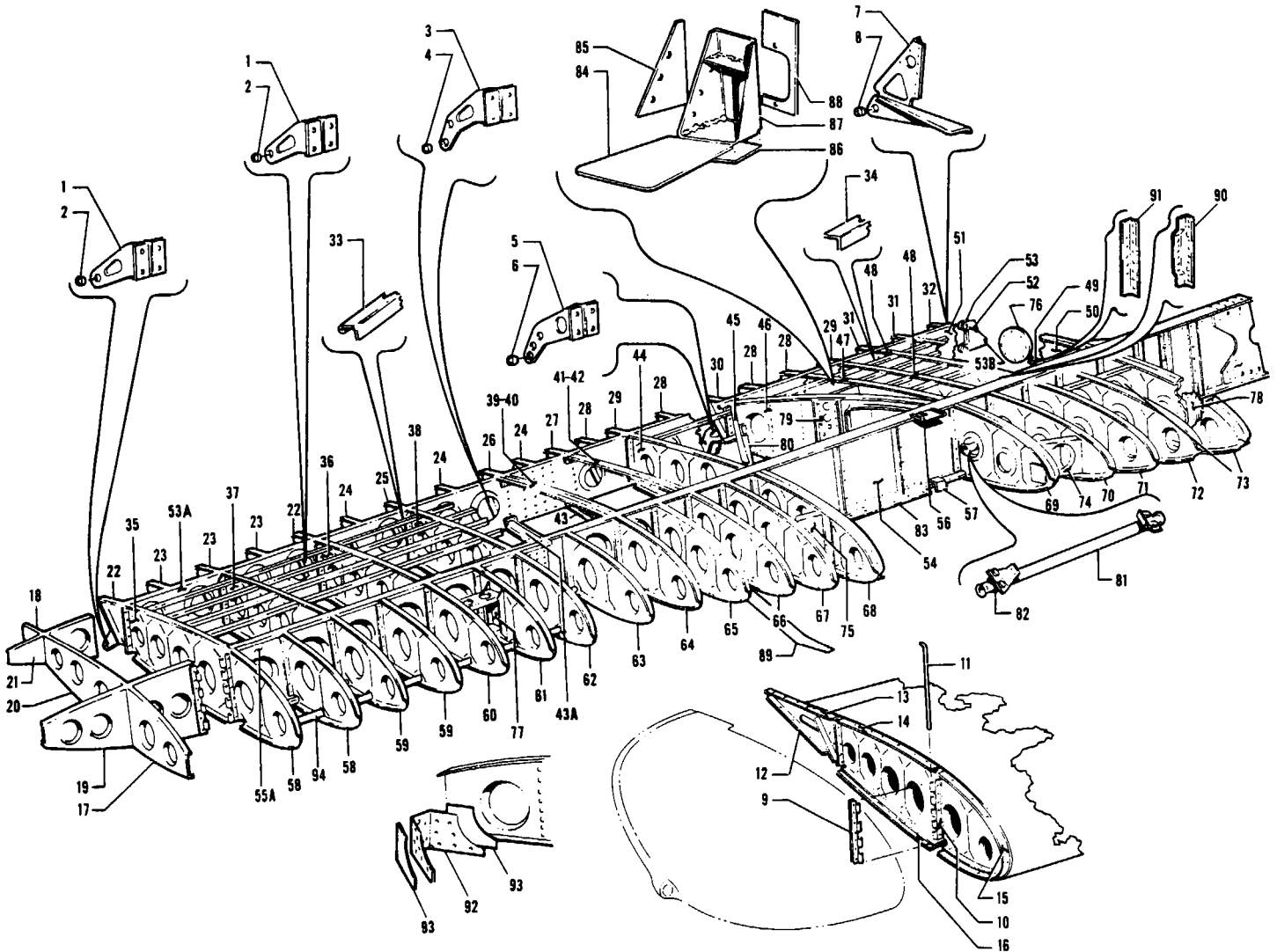


Figure 3. Wing and Wing Tip Construction

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
3-	17422 17531		DRAWING - Wing Panel DRAWING - Wing Tip		
-1	17330-03		BRACKET - Aileron hinge	2	
-2	452 808		BEARING	1	
-3	17330-02		BRACKET - Aileron and flap hinge	1	
-4	452 808		BEARING	2	
-5	17331-02		BRACKET - Flap hinge, center	1	
-6	452 808		BEARING	1	
-7	18398-00		BRACKET - Flap hinge inboard, right	1	
	17331-03		BRACKET - Flap hinge inboard, left	1	
-8	452 808		BEARING	1	
-9	17529-02		HINGE - Wing tip	1	
-10	17529-03		HINGE - Wing tip attachment	1	
-11	17529-04		PIN - Wing tip hinge	1	
-12	17551-01		RIB ASSEMBLY - Wing trailing edge, right	1	
	17551-00		RIB ASSEMBLY - Wing trailing edge, left	1	
-13	18253-02		STRIP ASSEMBLY - Wing tip attachment tip, rear	1	
-14	18253-04		STRIP ASSEMBLY - Wing tip attachment top, center	1	
-15	18253-05		STRIP ASSEMBLY - Wing tip attachment, front	1	
-16	18253-03		STRIP ASSEMBLY - Wing tip attachment bottom center, right	1	
	18253- 10		STRIP ASSEMBLY - Wing tip attachment bottom center, left	1	
-17	17531-13		RIB - Wing tip front, right	1	
	17531-12		RIB - Wing tip front, left	1	
-18	17531-17		RIB - Wing tip rear, right	1	
	17531-16		RIB - Wing tip rear, left	1	
-19	17531-07		SPAR - Wing tip front, right	1	
	17531-06		SPAR - Wing tip front, left	1	
-20	17531-15		RIB - Wing tip center, right	1	
	17531-14		RIB - Wing tip center, left	1	
-21	17531-09		SPAR - Wing tip rear, right	1	
	17531-08		SPAR - Wing tip rear, left	1	
-22	17329-13		BULKHEAD - Rear spar, right, Sta. 146 and 191	2	
	17329-12		BULKHEAD - Rear spar, left, Sta. 146 and 191	2	
-23	17329-05		BULKHEAD - Rear spar, right, Sta. 157, 168 and 180	3	
	17329-04		BULKHEAD - Rear spar, left, Sta. 157, 168 and 180	3	
-24	17329-04		BULKHEAD - Rear spar, right, Sta. 102, 118 and 136	3	
	17329-17		BULKHEAD - Rear spar, left, Sta. 102, 118 and 136	3	
-25	17329-05		BULKHEAD ASSEMBLY - Rear spar, right, Sta. 127	1	
	17329-16		BULKHEAD ASSEMBLY - Rear spar, left, Sta. 127	1	
-26	17329-08		BULKHEAD - Rear spar, right, Sta. 110	1	
	17329-09		BULKHEAD - Rear spar, left, Sta. 110	1	
-27	17329-06		BULKHEAD - Rear spar, right, Sta. 95	1	
	17329-07		BULKHEAD - Rear spar, left, Sta. 95	1	
-28	17329-27		BULKHEAD - Rear spar, right, Sta. 87, outboard of torque rib	2	
	17329-03		BULKHEAD - Rear spar, left, Sta. 87, outboard of torque rib	2	
	17329-27		BULKHEAD - Rear spar, right, Sta. 56, outboard of torque rib	2	23-1 to 23-1151 inclusive
	17329-03		BULKHEAD - Rear spar, left, Sta. 56, outboard of torque rib	2	23-1 to 23-1151 inclusive

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Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
3-28	19283-10		BULKHEAD - Rear spar, right, Sta. 56, outboard of torque rib	2	23-1152 and up
	19283-07		BULKHEAD - Rear spar, left, Sta. 56, outboard of torque rib	2	23-1152 and up
-29	17329-30		BULKHEAD - Rear spar, right, Sta. 80	1	23-1 and up
	17329-02		BULKHEAD - Rear spar, left, Sta. 80	1	23-1 and up
	17329-30		BULKHEAD - Rear spar, right, Sta. 49	1	23-1 to 23-1151 inclusive
	17329-02		BULKHEAD - Rear spar, left, Sta. 49	1	23-1 to 23-1151 inclusive
	19283-05		BULKHEAD - Rear spar, right, Sta. 49	1	23-1152 and up
	19283-06		BULKHEAD - Rear spar, left, Sta. 49	1	23-1152 and up
-30	17329-20		BULKHEAD - Rear spar, right, torque rib	1	23-1 to 23-1151 inclusive
	17329-11		BULKHEAD - Rear spar, left, torque rib	1	23-1 to 23-1151 inclusive
	19283-13		BULKHEAD - Rear spar, right, torque rib	1	23-1152 and up
	19283-14		BULKHEAD - Rear spar, left, torque rib	1	23-1152 and up
-31	17329-22		BULKHEAD - Rear spar, right, Sta. 34 and 42	2	23-1 to 23-1151 inclusive
	17329-10		BULKHEAD - Rear spar, left, Sta. 34 and 42	2	23-1 to 23-1151 inclusive
	19283-03		BULKHEAD - Rear spar, right, Sta. 34 and 42	2	23-1152 and up
-32	19283-02		BULKHEAD - Rear spar, left, Sta. 34 and 42	2	23-1152 and up
	17329-15		BULKHEAD - Rear spar, right, Sta. 27	1	23-1 to 23-1151 inclusive
	17329-14		BULKHEAD - Rear spar, left, Sta. 27	1	23-1 to 23-1151 inclusive
	17329-31		BULKHEAD - Rear spar, right, Sta. 27	1	23-1152 and up
	17329-32		BULKHEAD - Rear spar, left, Sta. 27	1	23-1152 and up
-33	751 228		ANGLE - Stringer section (6' section)		
-34	149 063		ANGLE - Extrusion (6' section)		
-35	18369-01		RIB ASSEMBLY - Wing, right, Sta. 191	1	
	18369-00		RIB ASSEMBLY - Wing, left, Sta. 191	1	
-36	18370-07		RIB ASSEMBLY - Wing, right, Sta. 146	1	
	18370-06		RIB ASSEMBLY - Wing, left, Sta. 146	1	
-37	18370-09		RIB ASSEMBLY - Wing, right, Sta. 168	1	
	18370-08		RIB ASSEMBLY - Wing, left, Sta. 168	1	
-38	18370-05		RIB ASSEMBLY - Wing, right, Sta. 127	1	
	18370-04		RIB ASSEMBLY - Wing, left, Sta. 127	1	
-39	19664-06		RIB ASSEMBLY - Wing, Sta. 110, top, right	1	
-40	19664-02		RIB ASSEMBLY - Wing, Sta. 110, top, left	1	
-41	19664-04		RIB ASSEMBLY - Wing, Sta. 95, top, right	1	
-42	19664-08		RIB ASSEMBLY - Wing, Sta. 95, top, left	1	
-43	19664-07		RIB ASSEMBLY - Wing, Sta. 10, bottom, right	1	
	19664-03		RIB ASSEMBLY - Wing, Sta. 10, bottom, left	1	
-43a	19664-09		RIB ASSEMBLY - Wing, Sta. 95, bottom, right	1	
	19664-05		RIB ASSEMBLY - Wing, Sta. 95, bottom, left	1	
-44	18368-01		RIB ASSEMBLY - Wing, right, Sta. 80	1	23-1 to 23-1151 inclusive
	18368-00		RIB ASSEMBLY - Wing, left, Sta. 80	1	23-1 to 23-1151 inclusive
	19309-01		RIB ASSEMBLY - Wing, right, Sta. 80	1	23-1152 and up
	19309-00		RIB ASSEMBLY - Wing, left, Sta. 80	1	23-1152 and up
-45	17133-04		RIB ASSEMBLY - Wing, outboard torque, right	1	23-1 to 23-1151 inclusive
	17133-05		RIB ASSEMBLY - Wing, outboard torque, left	1	23-1 to 23-1151 inclusive
	19282-04		RIB ASSEMBLY - Wing, outboard torque, right	1	23-1152 and up
	19282-05		RIB ASSEMBLY - Wing, outboard torque, left	1	23-1152 and up
	17133-03		RIB ASSEMBLY - Wing, inboard torque, right	1	23-1 to 23-1151 inclusive
-46	17133-02		RIB ASSEMBLY - Wing, inboard torque, left	1	23-1 to 23-1151 inclusive
	19282-03		RIB ASSEMBLY - Wing, inboard torque, right	1	23-1152 and up
	19282-02		RIB ASSEMBLY - Wing, inboard torque, left	1	23-1152 and up
	17130-03		RIB ASSEMBLY - Wing, right, Sta. 56	1	23-1 to 23-1151 inclusive
-47	17130-02		RIB ASSEMBLY - Wing, left, Sta. 56	1	23-1 to 23-1151 inclusive
	19285-01		RIB ASSEMBLY - Wing, right, Sta. 56	1	23-1152 and up
	19285-00		RIB ASSEMBLY - Wing, left, Sta. 56	1	23-1152 and up

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
3-48	17128-05		RIB ASSEMBLY - Wing, right, Sta. 42 and 49	2	23-1 to 23-1151 inclusive
	17128-04		RIB ASSEMBLY - Wing, left, Sta. 42 and 49	2	23-1 to 23-1151 inclusive
	19291-01	A	RIB ASSEMBLY - Wing, right, Sta. 42 and 49	2	23-1152 and up
	19291-00	A	RIB ASSEMBLY - Wing, left, Sta. 42 and 49	2	23-1152 and up
-49	18982-01		RIB ASSEMBLY - Wing, right, Sta. 34	1	23-1 to 23-1151 inclusive
	18982-00		RIB ASSEMBLY - Wing, left, Sta. 34	1	23-1 to 23-1151 inclusive
	19296-01	B	RIB ASSEMBLY - Wing, right, Sta. 34	1	23-1152 and up
	19296-00	B	RIB ASSEMBLY - Wing, left, Sta. 34	1	23-1152 and up
-50	17129-01		RIB ASSEMBLY - Wing butt, right	1	23-1 to 23-1151 inclusive
	17129-00		RIB ASSEMBLY - Wing butt, left	1	23-1 to 23-1151 inclusive
	19287-01		RIB ASSEMBLY - Wing butt, right	1	23-1152 and up
	19287-00		RIB ASSEMBLY - Wing butt, left	1	23-1152 and up
-51	17230-01		SPAR ASSEMBLY - Wing rear, right	1	23-1 to 23-1151 inclusive
	17230-00		SPAR ASSEMBLY - Wing rear, left	1	23-1 to 23-1151 inclusive
	19284-01		SPAR ASSEMBLY - Wing rear, right	1	23-1152 and up
	19284-00		SPAR ASSEMBLY - Wing rear, left	1	23-1152 and up
-52	17230-06		PLATE - Rear spar, left front, right rear	1	
-53	17230-07		PLATE - Rear spar, left rear, right front	1	
-53a	17230-04		CHANNEL - Rear spar tip, left	1	
	17230-05		CHANNEL - Rear spar tip, right	1	
-53b	80012-96		BUSHING	1	
-54	17412-01		SPAR ASSEMBLY - Wing front, right	1	23-1 to 23-1151 inclusive
	17412-00		SPAR ASSEMBLY - Wing front, left	1	23-1 to 23-1151 inclusive
	17412-29		SPAR ASSEMBLY - Wing front, right	1	23-1152 and up
	17412-28		SPAR ASSEMBLY - Wing front, left	1	23-1152 and up
-55	17412-22		PLATE - Front spar end	1	
-55a	17412-20		CHANNEL - Outboard, LH	1	
	17412-21		CHANNEL - Outboard, RH	1	
-56	18688-01		BRACKET - Hydraulic line support, right	1	
	18688-00		BRACKET - Hydraulic line support, left	1	
-57	17938-01		BRACKET - Fuel valve shutoff, right	1	23-1 to 23-1870 inclusive
	17938-00		BRACKET - Fuel valve shutoff, left	1	23-1 to 23-1870 inclusive
	16231-01		BRACKET - Fuel valve shutoff, right	1	23-1871 and up
	16231-00		BRACKET - Fuel valve shutoff, left	1	23-1871 and up
-58	17184-09		RIB ASSEMBLY - Wing nose, right, Sta. 180 and 191	2	23-1 to 23-2000 inclusive
	17184-08		RIB ASSEMBLY - Wing nose, left, Sta. 180 and 191	2	23-1 to 23-2000 inclusive
	17184-16		RIB - Wing nose, right, Sta. 191	1	23-2001 and up
	17184-14		RIB - Wing nose, left, Sta. 191	1	23-2001 and up
	17184-23		RIB - Wing nose, right, Sta. 180	1	23-2001 and up
	17184-22		RIB - Wing nose, left, Sta. 180	1	23-2001 and up
-59	17184-07		RIB ASSEMBLY - Wing nose, right, Sta. 157 and 168	2	23-1 to 23-2000 inclusive
	17184-21		RIB - Wing nose, right, Sta. 157 and 168	2	23-2001 and up
	17184-06		RIB ASSEMBLY - Wing nose, left, Sta. 157 and 168	2	23-1 to 23-2000 inclusive
	17184-20		RIB - Wing nose, left, Sta. 157 and 168	2	23-2001 and up
-60	17185-05		RIB ASSEMBLY - Wing nose, right, Sta. 146	1	
	17185-04		RIB ASSEMBLY - Wing nose, left, Sta. 146	1	
-61	17185-03		RIB ASSEMBLY - Wing nose, right, Sta. 136	1	23-1 to 23-2000 inclusive
	17185-15		RIB - Wing nose, right, Sta. 136	1	23-2001 and up
	17185-02		RIB ASSEMBLY - Wing nose, left, Sta. 136	1	23-1 to 23-2000 inclusive
	17185-16		RIB - Wing nose, left, Sta. 136	1	23-2001 and up
-62	17184-05		RIB ASSEMBLY - Wing nose, right, Sta. 127	1	
	17184-04		RIB ASSEMBLY - Wing nose, left, Sta. 127	1	
			A - Must use shim 18942-02 and angle 19469-00 for installation.		
			B - Must use shim 19302-00 for installation.		

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Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
3-63	17186-01		RIB ASSEMBLY - Wing nose, right, Sta. 118	1	
	17186-00		RIB ASSEMBLY - Wing nose, left, Sta. 118	1	
-64	17184-03		RIB ASSEMBLY - Wing nose, right, Sta. 110	1	
	17184-02		RIB ASSEMBLY - Wing nose, left, Sta. 110	1	
-65	17187-07		RIB ASSEMBLY - Wing nose, right, Sta. 102	1	
	17187-06		RIB ASSEMBLY - Wing nose, left, Sta. 102	1	
-66	17188-07		RIB ASSEMBLY - Wing nose, right, Sta. 95	1	
	17188-08		RIB ASSEMBLY - Wing nose, left, Sta. 95	1	
-67	17189-09		RIB ASSEMBLY - Wing nose, right, Sta. 87	1	
	17189-08		RIB ASSEMBLY - Wing nose, left, Sta. 87	1	
-68	17192-01		RIB ASSEMBLY - Wing nose, right, Sta. 80	1	
	17192-00		RIB ASSEMBLY - Wing nose, left, Sta. 80	1	
-69	17190-01		RIB ASSEMBLY - Wing nose, right, Sta. 56	1	
	17190-00		RIB ASSEMBLY - Wing nose, left, Sta. 56	1	
-70	17187-03		RIB ASSEMBLY - Wing nose, right, Sta. 49	1	
	17187-02		RIB ASSEMBLY - Wing nose, left, Sta. 49	1	
-71	17188-03		RIB ASSEMBLY - Wing nose, right, Sta. 42	1	
	17188-02		RIB ASSEMBLY - Wing nose, left, Sta. 42	1	
-72	17189-03		RIB ASSEMBLY - Wing nose, right, Sta. 34	1	
	17189-02		RIB ASSEMBLY - Wing nose, left, Sta. 34	1	
-73	19450-02		RIB ASSEMBLY - Wing nose, left, Sta. 27	1	23-1 to 23-1151 inclusive
	19450-03		RIB ASSEMBLY - Wing nose, right, Sta. 27	1	23-1 to 23-1151 inclusive
	17191-07		RIB ASSEMBLY - Wing nose, right, Sta. 27	1	23-1152 and up
	17191-06		RIB ASSEMBLY - Wing nose, left, Sta. 27	1	23-1152 and up
-74	17328-01		BULKHEAD - Nose rib, right	1	
	17328-00		BULKHEAD - Nose rib, left	1	
-75	17382-01		BULKHEAD - Nose rib, outboard, right	1	
	17382-00		BULKHEAD - Nose rib, outboard, left	1	
-76	17193-00		PLATE - Wing rib cover	2	
-77	17428-01		BRACKET ASSEMBLY - Aileron bellcrank, right	1	23-1 to 23-2000 inclusive
	17428-03		BRACKET ASSEMBLY - Aileron bellcrank, right	1	23-2001 and up
	17428-00		BRACKET ASSEMBLY - Aileron bellcrank, left	1	23-1 to 23-2000 inclusive
	17428-02		BRACKET ASSEMBLY - Aileron bellcrank, left	1	23-2001 and up
-78	17459-00		BRACKET - Aileron cable pulley	1	
-79	17143-03		CHANNEL - Torque rib reinforcement inboard, right	1	
	17143-02		CHANNEL - Torque rib reinforcement inboard, left	1	
-80	17143-04		CHANNEL - Torque rib reinforcement outboard, right	1	
	17143-05		CHANNEL - Torque rib reinforcement outboard, left	1	
-81	17752-00		CONDUIT - Wire harness (1")	2	
	17752-02		CONDUIT - Wire harness (1-1/4")	2	
-82	18329-02		BOLT - "U"	2	
-83	18358-01		PLATE - Wheel well attachment, right hand	2	
	18358-00		PLATE - Wheel well attachment, left hand	2	
-84	SK574-2		PLATE - Cover	2	23-1 to 23-109 inclusive
-85	SK574-3		SHIM	2	23-1 to 23-109 inclusive
-86	18573-01		CHANNEL - Access hole reinforcement, right	1	23-110 and up
	SK574-5		CHANNEL - Access hole reinforcement, right	1	23-1 to 23-109 inclusive
	18573-00		CHANNEL - Access hole reinforcement, left	1	23-110 and up
	SK574-4		CHANNEL - Access hole reinforcement, left	1	23-1 to 23-109 inclusive
-87	18572-01		FITTING - Landing gear reinforcement, right	1	23-110 and up
	SK574-7		FITTING - Landing gear reinforcement, right	1	23-1 to 23-109 inclusive
	18572-00		FITTING - Landing gear reinforcement, left	1	23-110 and up
	SK574-6		FITTING - Landing gear reinforcement, left	1	23-1 to 23-109 inclusive
-88	18571-01		PLATE - Filler, right	1	
	18571-00		PLATE - Filler, left	1	

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Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
3-89	17209-05		ANGLE - Torque rib stiffener (right wing inboard, left wing outboard)	1	
	17209-04		ANGLE - Torque rib stiffener (right wing outboard, left wing inboard)	1	
-90	19301-00		ANGLE - Rib attachment, Sta. 42 and 49	2	23-1152 and up
-91	19302-00		ANGLE - Rib attachment, Sta. 34	1	23-1152 and up
-92	19294-01		PLATE - Torque rib reinforcement, right	1	23-1152 and up
	19294-00		PLATE - Torque rib reinforcement, left	1	23-1152 and up
-93	19295-00		SHIM - Torque rib	2	23-1152 and up
-94	19976-01		STRINGER ASSEMBLY - Wing, right	1	23-2001 and up
	19976-00		STRINGER ASSEMBLY - Wing, left	1	23-2001 and up

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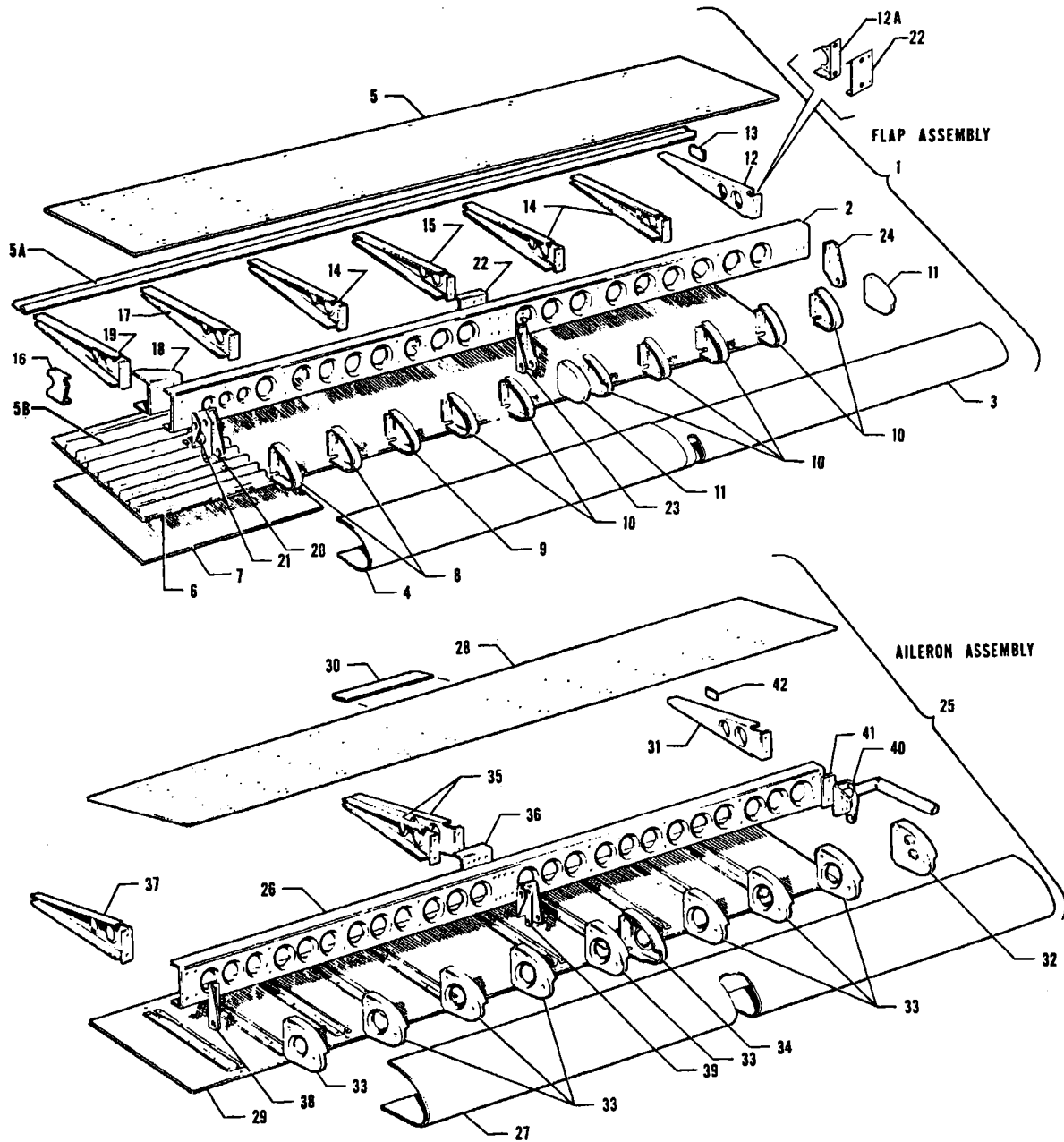


Figure 4. Flap Assembly and Aileron Assembly

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
4-1	17104-01		FLAP ASSEMBLY - Right wing	1	
	17104-40		FLAP ASSEMBLY - Left wing	1	
-2	17104-02		* SPAR ASSEMBLY - Left flap	1	
	17104-37		* SPAR ASSEMBLY - Right flap	1	
-3	17104-22		* SKIN - Leading edge left flap, outboard	1	
	17104-23		* SKIN - Leading edge right flap, outboard	1	
-4	17104-26		* SKIN - Leading edge left flap, inboard	1	
	17104-27		* SKIN - Leading edge right flap, inboard	1	
-5	17104-47		* SKIN ASSEMBLY - Left flap, top	1	
	17104-46		* SKIN ASSEMBLY - Right flap, top	1	
-5a	17104-24		* * STRIP - Beaded	2	
-5b	17104-25		* * PLATE - Reinforcement, right flap, top skin	1	
-6	17104-49		* SKIN ASSEMBLY - Left flap, bottom	1	
	17104-52		* SKIN ASSEMBLY - Right flap, bottom, outboard	1	
-7	17104-48		* SKIN ASSEMBLY - Right flap, bottom, inboard	1	
-8	17104-05		* BULKHEAD - Left flap	2	
	17104-04		* BULKHEAD - Right flap	2	
-9	17104-07		* BULKHEAD - Left flap	1	
	17104-06		* BULKHEAD - Right flap	1	
-10	17104-05		* BULKHEAD - Left flap	7	
	17104-04		* BULKHEAD - Right flap	7	
-11	17104-04		* BULKHEAD - Left flap	2	
	17104-05		* BULKHEAD - Right flap	2	
-12	17104-42		* RIB - Left flap	1	
	17104-43		* RIB - Right flap	1	
-12a	31002-00		* REINFORCEMENT - Flap outboard rib, left	1	
	31002-01		* REINFORCEMENT - Flap outboard rib, right	1	
-13	17270-00		* PLATE	1	
-14	17104-10		* RIB - Left flap	3	
	17104-09		* RIB - Right flap	3	
-15	17104-12		* RIB - Left flap	1	
	17104-11		* RIB - Right flap	1	
-16	18387-00		* BRACKET - Right flap	1	
-17	17104-10		* RIB - Left flap	1	
	17104-09		* RIB - Right flap	1	
-18	16234-00		* CHANNEL - Left flap	1	
-19	17104-41		* RIB - Left flap	1	
	17104-08		* RIB - Right flap	1	
-20	17101-00		* HINGE - Flap inboard, left	1	
	17101-01		* HINGE - Flap inboard, right	1	
-21	17120-00		* STOP	1	
-22	17104-16		* CHANNEL - Flap hinge reinforcement	1	
-22a	33555-00		* CHANNEL - Flap hinge reinforcement, left	1	
	33555-01		* CHANNEL - Flap hinge reinforcement, right	1	
-23	17102-00		* HINGE - Flap center, left	1	
	17102-01		* HINGE - Flap center, right	1	
-24	17103-00		* HINGE - Flap outboard, left	1	
	17103-01		* HINGE - Flap outboard, right	1	
-25	17100-00		AILERON ASSEMBLY - Left wing	1	
	17100-01		AILERON ASSEMBLY - Right wing	1	
-26	17100-18		* SPAR ASSEMBLY - Aileron	1	
-27	17100-12		* SKIN - Leading edge, left	1	
	17100-11		* SKIN - Leading edge, right	1	
-28	17100-16		* SKIN ASSEMBLY - Left, top	1	
	17100-17		* SKIN ASSEMBLY - Right, top	1	
-29	17100-17		* SKIN ASSEMBLY - Left, bottom	1	
	17100-16		* SKIN ASSEMBLY - Right, bottom	1	
-30	18379-00		* TAB - Aileron trim	1	
-31	17100-08		* RIB - Aileron, outboard	1	

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
4-32	17100-20		RIB ASSEMBLY - Leading edge, outboard, left	1	
	17100-19		RIB ASSEMBLY - Leading edge, outboard, right	1	
-33	17100-04		RIB - Leading edge	9	
	17100-05		RIB - Leading edge	9	
-34	17100-05		RIB - Leading edge, left	1	
	17100-04		RIB - Leading edge, right	1	
-35	17100-14		RIB - Aileron center	2	
-36	17100-21		PLATE ASSEMBLY - Aileron hinge, reinforcement, center	1	
-37	17100-13		RIB - Aileron inboard	1	
-38	17095-00		HINGE - Aileron inboard, left	1	
	17095-01		HINGE - Aileron inboard, right	1	
-39	17097-00		HINGE - Aileron center, left	1	
	17097-01		HINGE - Aileron center, right	1	
-40	17126-08		BALANCE ASSEMBLY - Aileron, left	1	
	17126-09		BALANCE ASSEMBLY - Aileron, right	1	
-41	17202-00		SHIM	1	
-42	17270-00		PLATE	1	

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

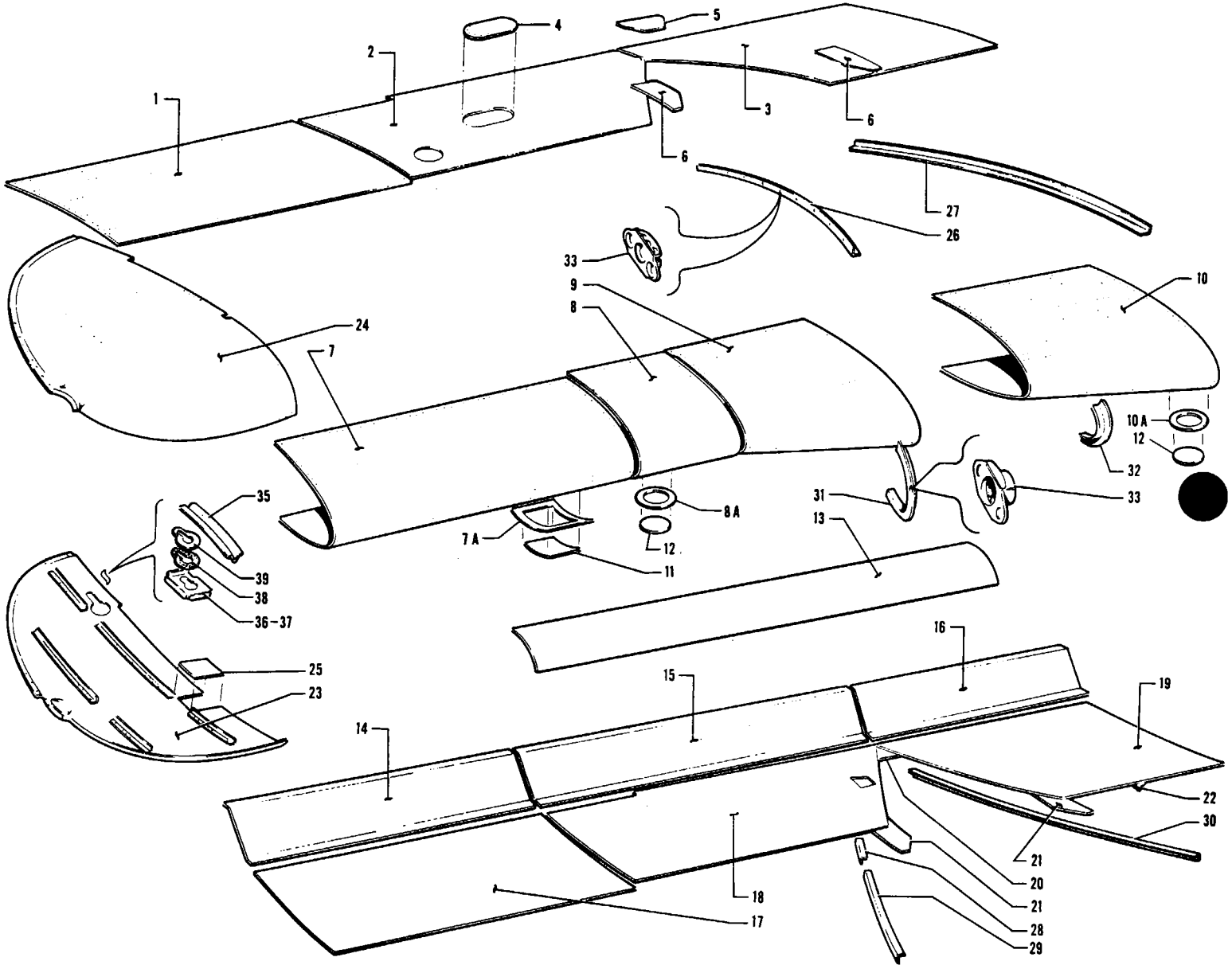


Figure 5. Wing and Wing Tip Skin

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
5-	17422 17901		DRAWING - Wing Panel DRAWING - Wing Installation		
-1	17422-08	A	SKIN - Wing top, outboard	2	
-2	17422-06		SKIN - Wing top, center	2	
-3	17422-04		SKIN - Wing top, inboard	1	23-1 to 23-1151 inclusive
	17422-48		SKIN - Wing top, inboard	1	23-1152 and up
-4	17337-00		PLATE ASSEMBLY - Fuel cell access hole cover	2	
-5	17336-02		GUSSET - Wing top, rear	2	
-6	17335-02		GUSSET - Wing top, front	4	
-7	17422-11		SKIN - Right wing leading edge, outboard	1	
	17422-34		SKIN - Left wing leading edge, outboard	1	
-7a	17315-00		PLATE - Aileron bellcrank access hole reinforcement	2	23-1 to 23-2000 inclusive
	19973-00		PLATE - Aileron bellcrank access hole reinforcement	2	23-2001 and up
-8	17422-13		SKIN - Right wing leading edge, center	1	
	17422-12		SKIN - Left wing leading edge, center	1	
-8a	17317-00		PLATE - Access hole reinforcement	2	
-9	17422-15		SKIN - Right wing leading edge, inboard center	1	
	17422-14		SKIN - Left wing leading edge, inboard center	1	
-10	17422-03		SKIN - Right wing leading edge, inboard	1	23-1 to 23-1151 inclusive
	17422-02		SKIN - Left wing leading edge, inboard	1	23-1 to 23-1151 inclusive
	17422-47		SKIN - Right wing leading edge, inboard	1	23-1152 and up
	17422-46		SKIN - Left wing leading edge, inboard	1	23-1152 and up
-10a	17317-00		PLATE - Access hole reinforcement	2	
-11	17316-00		PLATE - Aileron bellcrank access hole cover	2	
-12	17318-03		PLATE - Access hole cover	2	23-1 to 23-1151 inclusive
	17318-03		PLATE - Access hole cover	4	23-1152 and up
-13	17383-01		FAIRING - False spar, right	1	
	17383-00		FAIRING - False spar, left	1	
-14	17361-03		SPAR - False, right wing outboard	1	
	17361-02		SPAR - False, left wing outboard	1	
-15	17361-05		SPAR - False, right wing center	1	
	17361-04		SPAR - False, left wing center	1	
-16	17362-01		SPAR - False, right wing inboard	1	23-1 to 23-1151 inclusive
	17362-00		SPAR - False, left wing inboard	1	23-1 to 23-1151 inclusive
	17362-03		SPAR - False, right wing inboard	1	23-1152 and up
	17362-02		SPAR - False, left wing inboard	1	23-1152 and up
-17	17422-09	B	SKIN - Wing, bottom, outboard, right	1	
	17422-38	C	SKIN - Wing, bottom, outboard, left	1	
-18	17422-07	C	SKIN - Wing, bottom, center	2	
-19	17422-05		SKIN - Wing, bottom, inboard	2	
-20	17336-03		GUSSET - Wing bottom, rear	2	
-21	17335-03		GUSSET - Wing bottom, front	4	
-22	17365-00		PAD - Jack	2	

A - Use 18624-07 if auxiliary fuel cells are installed.

B - Use 18624-12 if auxiliary fuel cells are installed.

C - Use 18624-08 if auxiliary fuel cells are installed.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
5-23	17531-34	A	SKIN ASSEMBLY - Left wing tip, lower	1	
	17531-35	A	SKIN ASSEMBLY - Right wing tip, lower	1	
	17531-36	B	SKIN ASSEMBLY - Left wing tip, lower	1	
	17531-37	B	SKIN ASSEMBLY - Right wing tip, lower	1	
-24	17531-33		SKIN - Right wing tip, upper	1	
	17531-32		SKIN - Left wing tip, upper	1	
-25	18480-00		COVER ASSEMBLY - Wing tip access opening	2	23-59 and up
-26	17913-29		ANGLE - Nacelle attaching, right wing, outboard, top	1	
	17913-30		ANGLE - Nacelle attaching, left wing, outboard, top	1	
-27	17913-27		ANGLE - Nacelle attaching, right wing, inboard, top	1	
	17913-28		ANGLE - Nacelle attaching, left wing, inboard, top	1	
-28	17913-45		ANGLE - Nacelle attaching, right wing, outboard, bottom, rear	1	
	17913-32		ANGLE - Nacelle attaching, left wing, outboard, bottom, rear	1	
-29	17913-31		ANGLE - Nacelle attaching, right wing, outboard, bottom, front	1	
	17913-44		ANGLE - Nacelle attaching, left wing, outboard, bottom, front	1	
-30	17913-33		ANGLE - Nacelle attaching, right wing, inboard, bottom	1	
	17913-34		ANGLE - Nacelle attaching, left wing, inboard, bottom	1	
-31	16541-02		ANGLE - Nacelle attaching, left wing, outboard, nose	1	
	16541-03		ANGLE - Nacelle attaching, right wing, outboard, nose	1	
-32	17913-24		ANGLE - Nacelle attaching, left wing, inboard, nose	1	
	17913-23		ANGLE - Nacelle attaching, right wing, inboard, nose	1	
-33	406 823		NUT - Shell (#3600-62BC)	63	
-34	18262-00		CLIP ASSEMBLY - Engine nacelle attachment	2	
-35	18694-00		CHANNEL SECTION - Wing tip skin reinforcement (6' section)		
-36	17531-18		REINFORCEMENT - Aileron balance weight opening, LH	1	
-37	17531-19		REINFORCEMENT - Aileron balance weight opening, RH	1	
-38	17531-28		SEAL - Aileron balance weight opening	1	
-39	17531-29		SUPPORT - Aileron balance weight opening seal	1	

A - If Kit 754 493 has been installed, order wing skin 17531-36 left or 17531-37 right.
B - Used only if Kit 754 493 has been installed.

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

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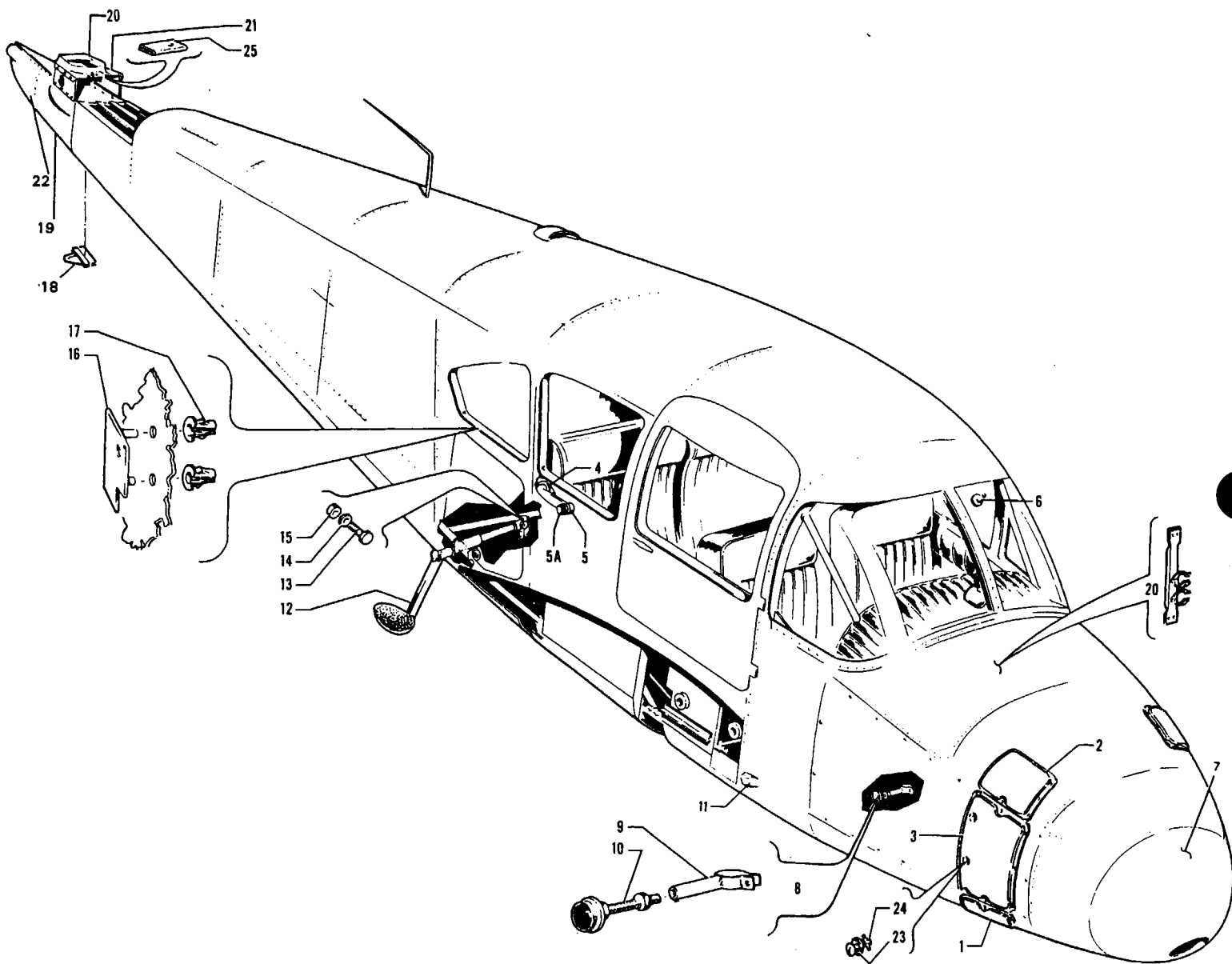


Figure 6. Complete Fuselage



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
6-	18228 19718 19757		DRAWING - Complete Fuselage Assembly DRAWING - Complete Fuselage Assembly DRAWING - Plates Installation - Ice Shield		23-1 to 23-1870 inclusive 23-1871 and up
-1	16921-00 16921-01	A A	PLATE - Ice shield, lower, left PLATE - Ice shield, lower, right	1 1	
-2	16922-00 16922-01	A A	PLATE - Ice shield, upper, left PLATE - Ice shield, upper, right	1 1	
-3	19758-00 19759-00	A A	PLATE - Ice shield, right, center PLATE - Ice shield, left, center	1 1	
-4	81342-72		WASHER - Cabin assist handle	1	
-5	18514-00 17413-03		HANDLE - Cabin assist HANDLE - Cabin assist	1 1	23-1 to 23-1870 inclusive 23-1871 and up
-5a	453 644		BUMPER - Rubber	1	23-1 to 23-1870 inclusive
-6	99479-02	V	GAUGE - Air temperature	1	
-7	17494-00 19326-00		FAIRING - Fuselage nose FAIRING - Fuselage nose	1 1	23-1 to 23-1163 inclusive 23-1164 and up
-8	18230-00		SUPPORT ASSEMBLY - Fuselage skin	2	
-9	18231-00		BRACKET ASSEMBLY - Fuselage skin support	1	
-10	17387-00		PAD ASSEMBLY - Fuselage skin support	1	
-11	189 625		GROMMET - Engine control support	2	
-12	19734-00		STEP ASSEMBLY - Fuselage	1	
-13	400 009		BOLT - (AN4-14A)	1	
-14	407 565		WASHER - (AN960-416)	1	
-15	406 682		NUT - Elastic stop (#42E048)	1	
-16			LETTERS - "PIPER"	2	
-17	454 879		CLIP - Tubular, tinnerman (C2205-032-24)	20	
-18	17667-00		SKID ASSEMBLY - Fuselage tail	1	
-19	17885-00		CONE ASSEMBLY - Fuselage tail	1	
-20	17885-08		FAIRING - Elevator torque tube, top	1	
-21	17885-10		FAIRING ASSEMBLY - Elevator torque tube, bottom	1	
-22	17885-09		CONE - Fuselage tail	1	
-23	494 057		WASHER - Split (#2600-SW2)	3	
-24	487 579		STUD - (2600-5)	3	
-25	17919-00		CLIP - Fuselage tail fairing	1	

A - Optional equipment.
V - These parts must be ordered from Service Spares Department,
Piper Aircraft Corporation, Vero Beach, Florida.

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

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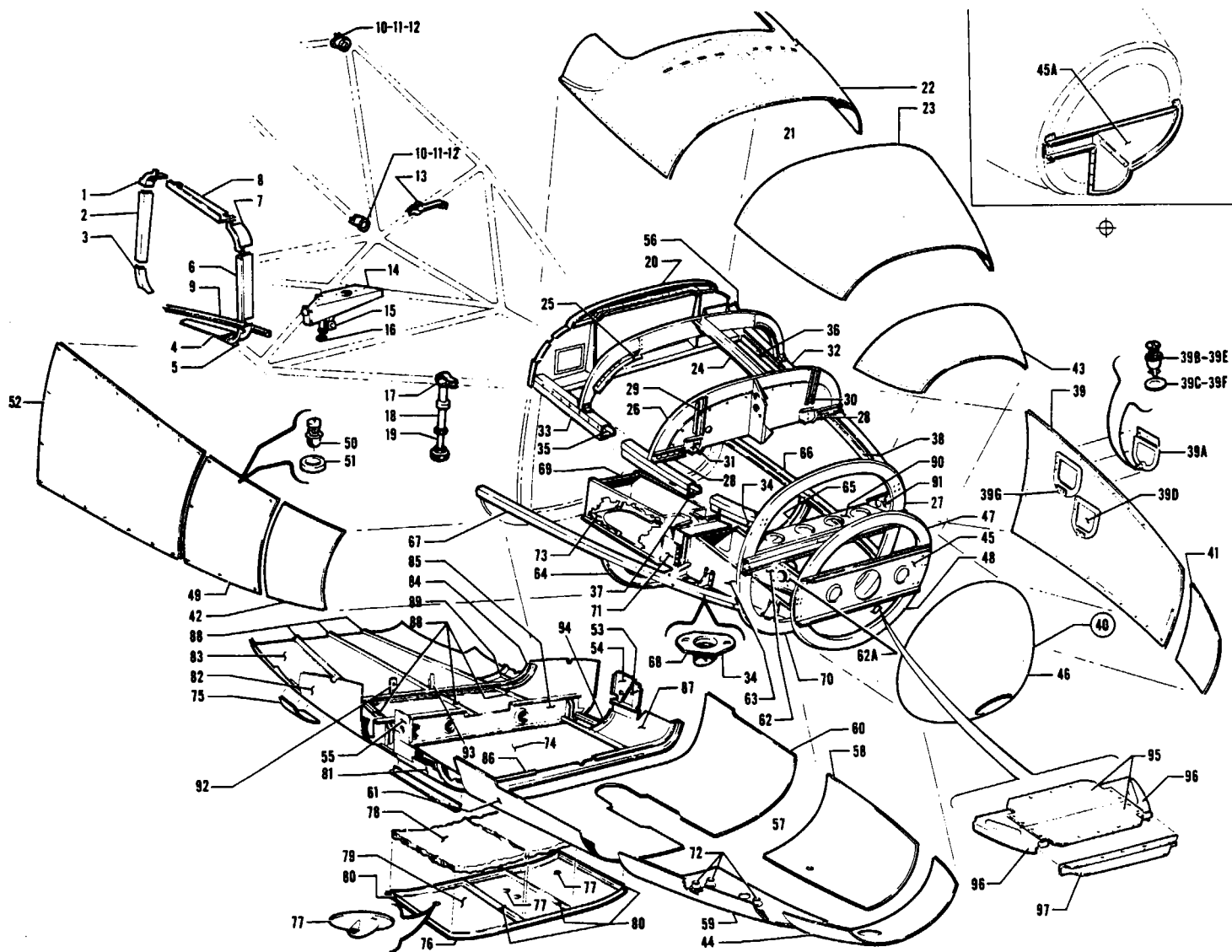


Figure 7. Fuselage Forward Section



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
7-	17474 17360 19447 19750 16828	B	DRAWING - Fuselage Assembly DRAWING - Fuselage Forward Section DRAWING - Fuselage Forward Section DRAWING - Fuselage Assembly DRAWING - Shelves Installation		23-1 to 23-1870 inclusive 23-1 to 23-1390 inclusive 23-1391 and up 23-1871 to 23-1967 inclusive
-1	17262-00		ANGLE - Baggage compartment door frame, upper rear corner	1	
-2	17216-00		ANGLE - Baggage compartment door frame, rear	1	
-3	17244-00		ANGLE - Baggage compartment door frame, lower rear corner	1	
-4	17214-00		FAIRING - Baggage compartment door frame, lower	1	
-5	17247-00		ANGLE - Baggage compartment door frame, lower front corner	1	
-6	17245-00		ANGLE - Baggage compartment door frame, front	1	
-7	17248-00		ANGLE - Baggage compartment door frame, upper front corner	1	
-8	17252-00		ANGLE - Baggage compartment door frame, top	1	
-9	751 228		ANGLE - Stringer section (6' section)		
-10	80122-69		WASHER - Shim (.032)	AR	
-11	80122-70		WASHER - Shim (.064)	AR	
-12	80122-71		WASHER - Shim (.125)	AR	
-13	17438-00		BRACE - Fuselage skin	1	23-1 to 23-1870 inclusive
-14	17226-00		BRACKET ASSEMBLY - Elevator control tube	1	
-15	17386-00		SUPPORT - Fuselage skin	1	
-16	17387-00		PAD ASSEMBLY - Fuselage skin support	1	
-17	18280-00		BRACKET ASSEMBLY - Fuselage skin support	2	23-1 to 23-1870 inclusive
-18	17386-00		SUPPORT - Fuselage skin	2	23-1 to 23-1870 inclusive
-19	17387-00		PAD ASSEMBLY - Fuselage skin support	2	
-20	17425-00	A	PANEL ASSEMBLY - Instrument	1	23-1 to 23-1501 inclusive
	19504-00	A	PANEL ASSEMBLY - Instrument	1	23-1502 to 23-1870 inclusive
	16866-00	A	PANEL ASSEMBLY - Instrument	1	23-1871 to 23-1907 inclusive
	30187-00	A	PANEL ASSEMBLY - Instrument	1	23-1908 and up
	16885-00	B	PANEL ASSEMBLY - Instrument	1	23-1871 to 23-1907 inclusive
	19860-00	B	PANEL ASSEMBLY - Instrument	1	23-1908 to 23-1976 inclusive
	19860-03	B	PANEL ASSEMBLY - Instrument	1	23-1977 and up
-21	17360-04		TOP ASSEMBLY - Forward section	1	23-1 to 23-375 inclusive
	17360-21		TOP ASSEMBLY - Forward section	1	23-376 to 23-1390 inclusive
	19447-12		TOP ASSEMBLY - Forward section	1	23-1391 to 23-1501 inclusive
	19553-04		TOP ASSEMBLY - Forward section	1	23-1502 and up
-22	17360-11		SKIN - Rear top	1	23-1 to 23-375 inclusive
	17360-22		SKIN - Rear top	1	23-376 to 23-1501 inclusive
	19553-02		SKIN - Rear top	1	23-1502 and up
-23	17360-10		SKIN - Center top assembly	1	
-24	17350-08		STRINGER	1	23-1 to 23-1501 inclusive
	19515-00		STRINGER	1	23-1502 and up
-25	17357-00		BULKHEAD ASSEMBLY - Top, Sta. 55	1	23-1 to 23-1501 inclusive
	19535-00		BULKHEAD ASSEMBLY - Top, Sta. 55, LH	1	23-1502 and up
	19535-01		BULKHEAD ASSEMBLY - Top, Sta. 55, RH	1	23-1502 and up

A - Used when Collins Radio Installation is not installed.
B - Used when Collins Radio Installation is installed.

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

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Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
7-26	17360-23		BULKHEAD ASSEMBLY	1	
-27	17504-02		BULKHEAD - Upper	1	23-1 to 23-1870 inclusive
	19826-00		BULKHEAD - Upper	1	23-1871 and up
-28	17344-00		BRACKET - Fuselage bulkhead	2	
-29	17346-01		CHANNEL - Fuselage bulkhead, upper right	1	
-30	17346-00		CHANNEL - Fuselage bulkhead, upper left	1	
-31	17345-01		CHANNEL - Fuselage bulkhead, right	1	
	17345-00		CHANNEL - Fuselage bulkhead, left	1	
-32	17358-00		CHANNEL - Fuselage forward section, left	1	23-1 to 23-1390 inclusive
	17358-06		CHANNEL - Fuselage forward section, left	1	23-1391 and up
-33	17358-01		CHANNEL - Fuselage forward section, right	1	23-1 to 23-1390 inclusive
	17358-05		CHANNEL - Fuselage forward section, right	1	23-1391 and up
-34	484 342		RECEPTACLE - (#2600-212-12D)	3	
-35	17354-01		ANGLE - Fuselage forward section, right	1	
-36	17354-00		ANGLE - Fuselage forward section, left	1	
-37	17348-01		ANGLE - Fuselage forward section, right	1	
-38	17348-00		ANGLE - Fuselage forward section, left	1	
-39	17360-16		PANEL ASSEMBLY - Left front side	1	23-1 to 23-1182 inclusive
	17360-28		PANEL ASSEMBLY - Left front side	1	23-1183 to 23-1390 inclusive
	19447-10		PANEL ASSEMBLY - Left front side	1	23-1391 to 23-1870 inclusive
	19447-18		PANEL ASSEMBLY - Left front side	1	23-1871 and up
-39a	19037-04		PLATE ASSEMBLY - Access, powerpak filler line	1	23-1 to 23-1390 inclusive
	19802-02		PLATE ASSEMBLY - Access, powerpak filler line	1	23-1391 and up
-39b	487 583		STUD - Slotted head (#2600-1)	1	23-1391 and up
-39c	494 060		LOCKWASHER - (#2600 LW)	1	23-1391 and up
-39d	19037-05		PLATE ASSEMBLY - Access, brake fluid reservoir	1	23-1 to 23-1390 inclusive
	19802-03		PLATE ASSEMBLY - Access, brake fluid reservoir	1	23-1391 and up
-39e	487 583		STUD - Slotted head (#2600-1)	1	23-1391 and up
-39f	494 060		LOCKWASHER - (#2600 LW)	1	23-1391 and up
-39g	484 382		RECEPTACLE - Stud (#212-12D)	2	23-1391 and up
-40	18640-00	A	SECTION ASSEMBLY - Fuselage nose	1	23-1 to 23-746 inclusive
	18640-05	A	SECTION ASSEMBLY - Fuselage nose	1	23-747 to 23-1163 inclusive
	19327-00	A	SECTION ASSEMBLY - Fuselage nose	1	23-1164 and up
-41	17360-12		SKIN - Nose, left side	1	
-42	17360-13		SKIN - Nose, right side	1	
-43	17360-14		SKIN - Nose, front top	1	
-44	17360-15		SKIN - Nose, front bottom	1	
-45	17472-00		CHANNEL - Fuselage bulkhead	1	23-1 to 23-1163 inclusive
-45a	19327-03		PLATE ASSEMBLY - Landing light compartment back	1	23-1164 and up
-46	17494-00		FAIRING - Fuselage nose	1	23-1 to 23-1163 inclusive
	19326-00		FAIRING - Fuselage nose	1	23-1164 and up
-47	17497-04		BULKHEAD ASSEMBLY - Top, Sta. 6	1	
-48	17497-05		BULKHEAD ASSEMBLY - Bottom, Sta. 6	1	
-49	17360-18		PANEL ASSEMBLY - Right front side	1	23-1 to 23-1390 inclusive
	19447-13		PANEL ASSEMBLY - Right front side	1	23-1391 and up
-50	487 584		STUD - (2600-2)	6	
-51	494 057		WASHER - (2600-SW2)	6	
-52	17360-17		PANEL ASSEMBLY - Right rear, side	1	23-1 to 23-1182 inclusive
	17360-29		PANEL ASSEMBLY - Right rear, side	1	23-1183 to 23-1390 inclusive
	19447-09		PANEL ASSEMBLY - Right rear, side	1	23-1391 to 23-1870 inclusive
	19447-19		PANEL ASSEMBLY - Right rear, side	1	23-1871 and up

A - This assembly includes the heater air intake box, cold air intake box (See Figure 17) and landing light installation (See Figure 31).

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
7-53	17916-00		PANEL - Fuselage access, left	1	23-1 to 23-1870 inclusive
-54	17917-00		PANEL - Fuselage access, left rear	1	
-55	17918-00		PANEL - Fuselage access, right front	1	
-56	18549-00		ANGLE	1	
-57	17360-05		BOTTOM ASSEMBLY - Fuselage forward section	1	23-1 to 23-746 inclusive
	17360-24		BOTTOM ASSEMBLY - Fuselage forward section	1	23-747 to 23-1390 inclusive
	19447-06		BOTTOM ASSEMBLY - Fuselage forward section	1	23-1391 to 23-1870 inclusive
	19447-20		BOTTOM ASSEMBLY - Fuselage forward section	1	23-1871 and up
-58	17360-25		SKIN - Left forward	1	23-1 to 23-1390 inclusive
	19447-04		SKIN - Left forward	1	23-1391 and up
-59	17360-07		SKIN - Right forward	1	23-1 to 23-1390 inclusive
	19447-05		SKIN - Right forward	1	23-1391 and up
-60	17360-08		SKIN - Left rear	1	23-1 to 23-1390 inclusive
	19447-02		SKIN - Left rear	1	23-1391 and up
-61	17360-09		SKIN - Right rear	1	23-1 to 23-1390 inclusive
	19447-03		SKIN - Right rear	1	23-1391 and up
-62	17356-12		BULKHEAD ASSEMBLY - Fuselage forward section, left	1	
-62a	18464-00		TUBE ASSEMBLY - Air take-off	1	23-1 to 23-209 inclusive
	14234-00		TUBE ASSEMBLY - Air take-off	1	23-376 and up
-63	17356-15		BULKHEAD ASSEMBLY - Fuselage forward section, right	1	
-64	17353-01		BULKHEAD - Fuselage forward section, right	1	
-65	17353-00		BULKHEAD - Fuselage forward section, left	1	
-66	17355-00		CHANNEL - Fuselage forward section, left	1	23-1 to 23-1390 inclusive
	17355-04		CHANNEL - Fuselage forward section, left	1	23-1391 to 23-1870 inclusive
	16645-00		CHANNEL - Fuselage forward section, left	1	23-1871 and up
-67	17355-01		CHANNEL - Fuselage forward section, right	1	23-1 to 23-1390 inclusive
	17355-05		CHANNEL - Fuselage forward section, right	1	23-1391 to 23-1870 inclusive
	16645-01		CHANNEL - Fuselage forward section, right	1	23-1871 and up
-68	484 342		RECEPTACLE - (2600-212-12D)	3	
-69	17347-00		PLATE - Nose wheel well, end	1	
-70	17504-05		BULKHEAD ASSEMBLY - Lower	1	
-71	18340-00		PLATE - Wheel well stiffener	1	
-72	17758-03		TUBE ASSEMBLY - Vent, battery box	3	
-73	18817-00		PLATE - Nose wheel well reinforcement	1	
-74	17377-00		FAIRING ASSEMBLY - Fuselage bottom	1	23-1 to 23-1151 inclusive
	17377-22		FAIRING ASSEMBLY - Fuselage bottom	1	23-1152 and up
-75	17377-17		PANEL - Removable, right	1	
-76	17377-15		PANEL ASSEMBLY - Fuselage bottom access	1	
-77	463 372		GROMMET - Drain (AN231-4)	3	
-78	18607-00		PANEL - Insulator	1	
-79	17377-10		SKIN - Access panel	1	
-80	751 228		ANGLE - Stringer section (6' section)	1	
-81	17377-03		SKIN - Fuselage bottom fairing, right	1	
-82	17377-04		SKIN - Fuselage bottom fairing	1	
-83	17377-05		SKIN - Fuselage bottom fairing	1	
-84	17379-00		BULKHEAD	1	
-85	17378-07		BULKHEAD ASSEMBLY - Fuselage lower fairing	1	23-1 to 23-1151 inclusive
	17378-09		BULKHEAD ASSEMBLY - Fuselage lower fairing	1	23-1152 and up
-86	17416-00		BULKHEAD ASSEMBLY	1	
-87	17377-02		SKIN - Fuselage bottom fairing, left	1	
-88	751 228		ANGLE - Stringer section (6' section)	1	
-89	17377-16		PANEL - Removable, left	1	

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
7-90	17787-00	A	SHELF.- Lower radio support	1	
-91	17785-00		BRACKET - Radio shelf, left	1	
	17786-00		BRACKET - Radio shelf, right	1	
-92	17967-00		BRACKET - Bottom fairing support, right	1	23-1 to 23-1870 inclusive
	17967-02		BRACKET - Bottom fairing support, right	1	23-1871 and up
-93	17543-00		BRACKET - Bottom fairing support, center	1	
-94	17223-01		ANGLE - Removable panel support, right	1	
	17223-00		ANGLE - Removable panel support, left	1	
-95	16822-00	B	SHELF ASSEMBLY - Radio	2	23-1968 and up
-96	16823-00	B	SHELF ASSEMBLY - Radio, left	1	23-1968 and up
	16823-01	B	SHELF ASSEMBLY - Radio, right	1	23-1968 and up
-97	16824-00	B	CHANNEL ASSEMBLY - Radio shelf support	1	23-1968 and up

A - This cannot be used when receptacle is installed.
 B - Used when Collins Radio Installation is installed.

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

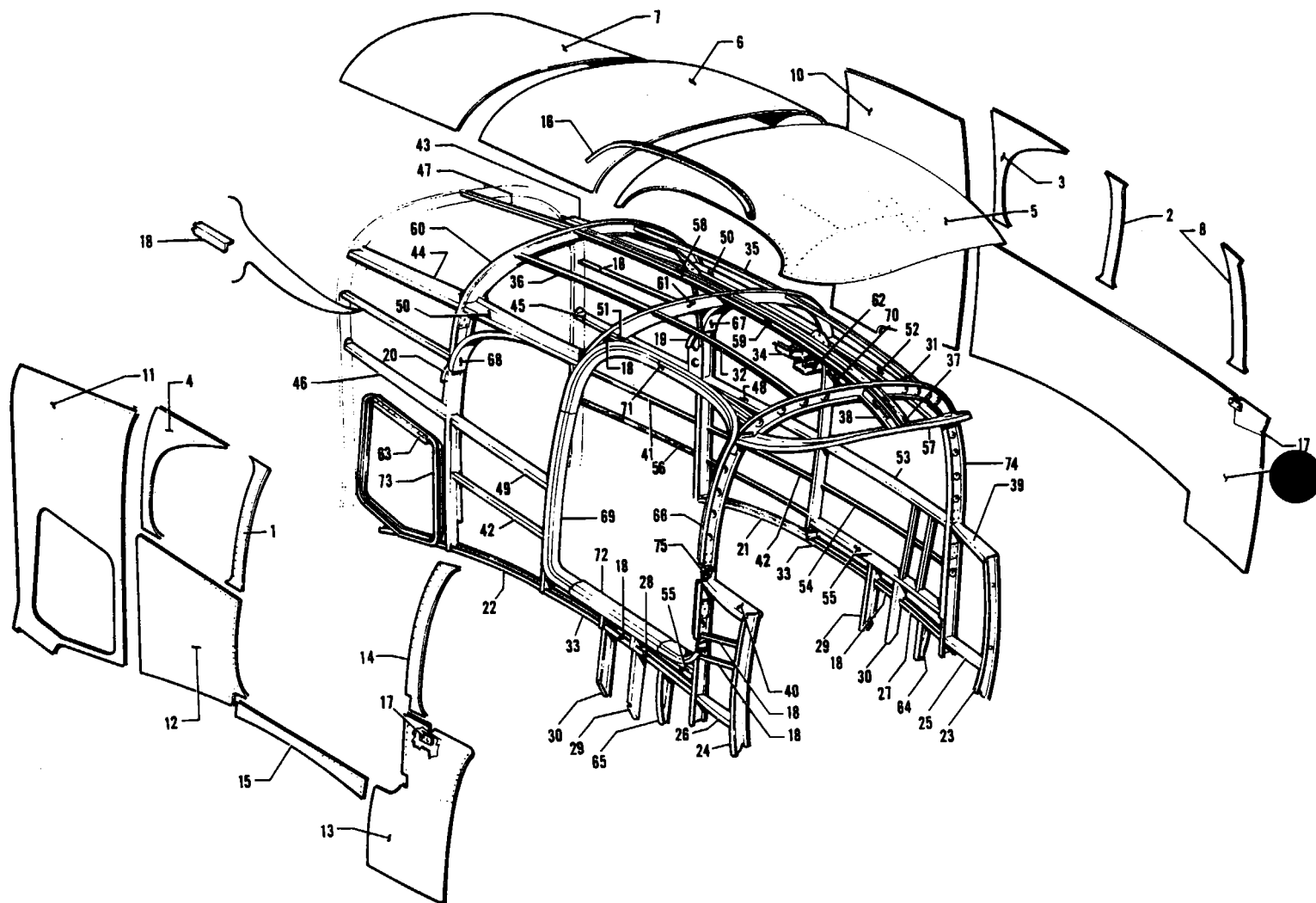


Figure 8. Fuselage Center Section
(Serial Nos. 23-1 to 23-1870 inclusive)



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
8-	17309		DRAWING - Fuselage Center Section		
-1	17309-02		SKIN - Right window, front	1	
-2	17309-03		SKIN - Left rear window, front	1	
-3	17309-04		SKIN - Left rear window, rear	1	
-4	17309-05		SKIN - Right window, rear	1	
-5	17309-06		SKIN - Center fuselage section, front top	1	23-1 to 23-1501 inclusive
	17309-37		SKIN - Center fuselage section, front top	1	23-1502 and up
	17309-38		SKIN - Center fuselage section, rear top	1	23-1502 and up
-6	17309-07		SKIN - Center fuselage section, center top	1	
	17309-08		SKIN - Center fuselage section, rear top	1	
-8	17309-09		SKIN - Windshield, left post	1	23-1 to 23-1501 inclusive
	17309-40		SKIN - Windshield, left post	1	23-1502 and up
-9	17309-10		SKIN - Center fuselage section, left side, lower front	1	23-1 to 23-1501 inclusive
	17309-42		SKIN - Center fuselage section, left side, lower front	1	23-1502 and up
-10	17309-12		SKIN - Center fuselage section, left side, rear	1	
-11	17309-13		SKIN - Center fuselage section, right side, rear	1	
-12	17309-14		SKIN - Center fuselage section, right side, lower center	1	
-13	17309-15		SKIN - Center fuselage section, right side, lower front	1	23-1 to 23-1501 inclusive
	17309-41		SKIN - Center fuselage section, right side, lower front	1	23-1502 and up
-14	17309-16		SKIN - Windshield, right post	1	23-1 to 23-1501 inclusive
	17309-39		SKIN - Windshield, right post	1	23-1502 and up
-15	17309-21		SKIN - Fuselage door sill	1	
-16	17309-18		CHANNEL - Fuselage door water drain	1	23-1 to 23-1677 inclusive
-17	17309-22		PLATE - Center fuselage section reinforcement	2	
-18	751 228		ANGLE - Stringer section (6' section)		
-19	18062-00		ANGLE - Headlining trim, left	1	23-1 to 23-1196 inclusive
-20	18062-01		ANGLE - Headlining trim, right	1	23-1 to 23-1196 inclusive
-21	17212-00		CHANNEL - Fuselage center section, left	1	
-22	17212-01		CHANNEL - Fuselage center section, right	1	
-23	17215-00		CHANNEL - Fuselage center section, left	1	
-24	17215-01		CHANNEL - Fuselage center section, right	1	
-25	17219-00		CHANNEL - Fuselage center section, left	1	
-26	17219-01		CHANNEL - Fuselage center section, right	1	
-27	17220-00		CHANNEL - Fuselage center section, left	1	
-28	17220-01		CHANNEL - Fuselage center section, right	1	
-29	17221-00		BULKHEAD - Fuselage center section	2	
-30	17221-01		BULKHEAD - Fuselage center section	2	
-31	17224-00		STRINGER - Fuselage center section, left	1	
-32	17224-01		STRINGER - Fuselage center section, right	1	
-33	17241-00		CHANNEL - Fuselage center section	2	
-34	17679-00		BRACKET ASSEMBLY - Dome light support	1	
-35	17256-00		STRINGER - Fuselage center section, left	1	
-36	17256-01		STRINGER - Fuselage center section, right	1	
-37	17257-00		BULKHEAD - Fuselage center section, left	1	23-1 to 23-80 inclusive
	18509-00		BULKHEAD - Fuselage center section, left	1	23-81 to 23-1501 inclusive
	19552-00		BULKHEAD - Fuselage center section, left	1	23-1502 and up
-38	17257-01		BULKHEAD - Fuselage center section, right	1	23-1 to 23-80 inclusive
	18509-01		BULKHEAD - Fuselage center section, right	1	23-81 to 23-1501 inclusive
	19552-01		BULKHEAD - Fuselage center section, right	1	23-1502 and up
-39	19186-00		CHANNEL - Fuselage center section, left	1	
-40	17258-01		CHANNEL - Fuselage center section, right	1	
-41	17259-00		STRINGER - Fuselage center section, left	1	
-42	17260-01		STRINGER - Fuselage center section, right	1	
	17260-00		STRINGER - Fuselage center section, left	1	

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
8-43	17264-00		CHANNEL - Fuselage center section, left	1	23-1 to 23-1501 inclusive
	19574-00		CHANNEL - Fuselage center section, left	1	23-1502 and up
-44	17264-01		CHANNEL - Fuselage center section, right	1	
-45	17265-00		CHANNEL - Fuselage center section, left	1	
-46	17265-01		CHANNEL - Fuselage center section, right	1	
-47	17266-00		STRINGER - Fuselage center section, rear top	1	23-1 to 23-1501 inclusive
	19564-00		STRINGER - Fuselage center section, rear top	1	23-1502 and up
-48	17276-00		CHANNEL - Left rear window, bottom	1	
-49	17276-01		CHANNEL - Right rear window, bottom	1	
-50	17277-01		CHANNEL - Fuselage center section, right	1	
	17277-00		CHANNEL - Fuselage center section, left	1	
-51	17278-00		CHANNEL - Fuselage upper door frame, reinforcement	1	
-52	17279-00		CHANNEL - Left front window, top	1	
-53	17282-00		CHANNEL - Left front window, bottom	1	
-54	17284-00		STRINGER - Fuselage center section, left	1	
-55	17285-00		CHANNEL - Fuselage center section, left	1	
	17285-01		CHANNEL - Fuselage center section, right	1	
-56	17288-00		STRINGER - Fuselage center section, left	1	
-57	17302-02		CHANNEL - Fuselage center section, top front	1	23-1 to 23-1501 inclusive
	19534-00		CHANNEL - Fuselage center section, top front	1	23-1502 and up
-58	17304-00		STRINGER ASSEMBLY - Fuselage center section, center top	1	23-1 to 23-1501 inclusive
	17304-06		STRINGER ASSEMBLY - Fuselage center section, center top	1	23-1502 and up
-59	17305-00		STRINGER ASSEMBLY - Fuselage center section, front top	1	23-1 to 23-1501 inclusive
	17305-08		STRINGER ASSEMBLY - Fuselage center section, front top	1	23-1502 and up
-60	17306-00		BULKHEAD ASSEMBLY - Fuselage center section, Sta. 141	1	23-1 to 23-1501 inclusive
	19580-00		BULKHEAD ASSEMBLY - Fuselage center section, Sta. 141	1	23-1502 and up
-61	17307-00		BULKHEAD ASSEMBLY - Fuselage center section, Sta. 110	1	23-1 to 23-1501 inclusive
	17307-08		BULKHEAD ASSEMBLY - Fuselage center section, Sta. 110	1	23-1502 and up
-62	18345-00		BRACKET ASSEMBLY - Cockpit light mounting	1	23-1 to 23-1501 inclusive
	19525-00		BRACKET ASSEMBLY - Cockpit light mounting	1	23-1502 and up
-63	18601-00		HINGE - Baggage compartment door	1	
-64	17222-00		BULKHEAD - Fuselage center section, left	1	
-65	17222-01		BULKHEAD - Fuselage center section, right	1	
-66	32910-00		CHANNEL ASSEMBLY - Fuselage door frame, lower front	1	
-67	17536-00		CHANNEL - Left rear window	1	
-68	17536-01		CHANNEL - Right rear window	1	
-69	17537-00		CHANNEL ASSEMBLY - Fuselage door frame, lower rear	1	
-70	17440-00		BRACKET ASSEMBLY - Tail trim indicator plate mounting	1	
-71	17496-00		CHANNEL ASSEMBLY - Fuselage door frame, upper	1	
-72	17501-00		CHANNEL ASSEMBLY - Fuselage door frame, lower	1	
-73	17557-00		CHANNEL ASSEMBLY - Baggage compartment door frame	1	
-74	17308-00		BULKHEAD ASSEMBLY - Fuselage center section, Sta. 79	1	
-75	17550-00		BRACKET - Door hinge	2	

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

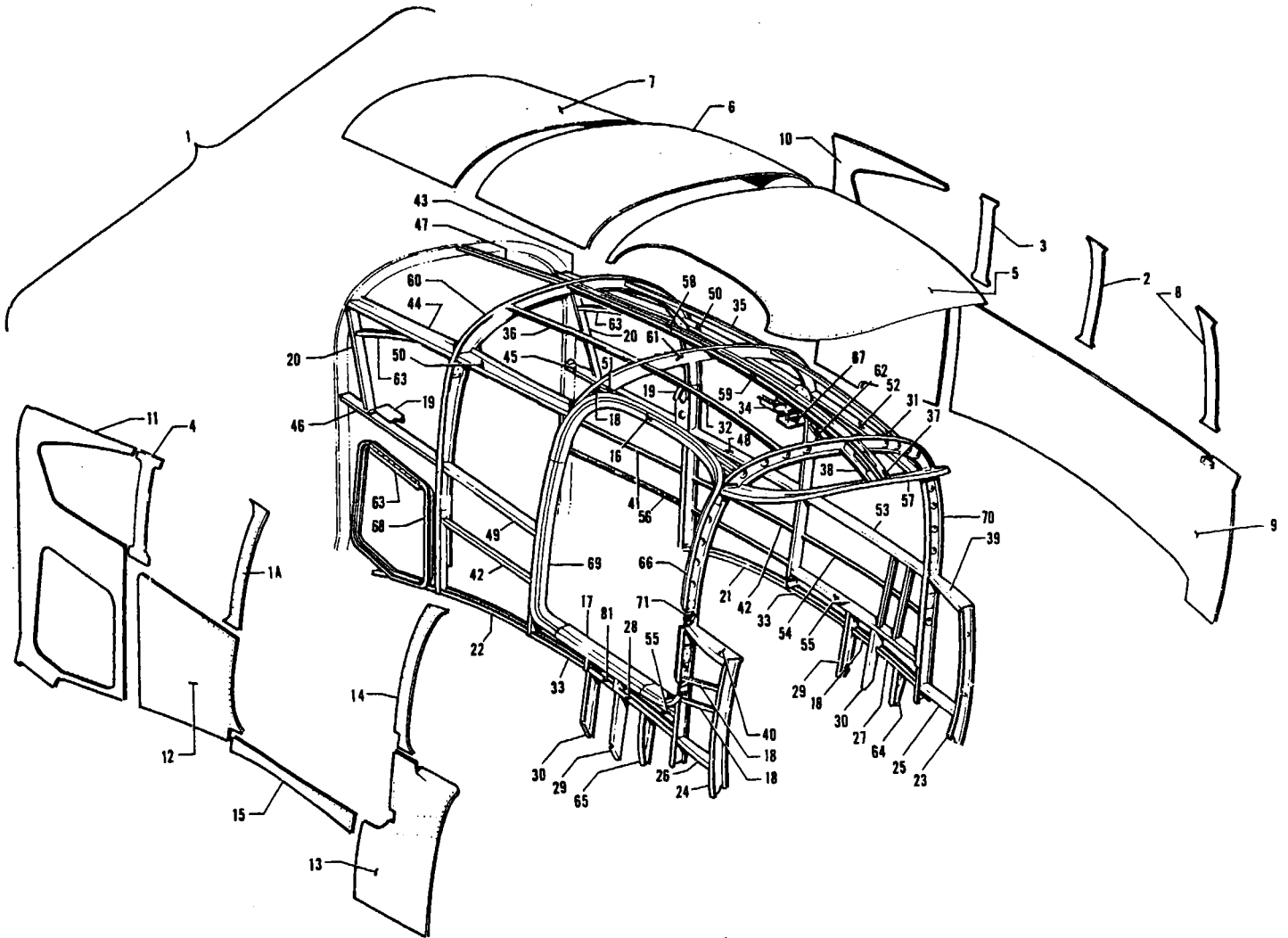


Figure 9. Fuselage Center Section
(Serial Nos. 23-1871 and up)



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
9-	16230		DRAWING - Fuselage Center Section		
-1	16230-00		FUSELAGE CENTER SECTION	1	
-1a	17309-02		SKIN - Right front window, front	1	
-2	17309-03		SKIN - Left center window, front	1	
-3	16230-04		SKIN - Left center window, rear	1	
-4	16230-03		SKIN - Right front window, rear	1	
-5	17309-37		SKIN - Center fuselage section, front top	1	
	17309-38		SKIN - Center fuselage section, rear top	1	
-6	16230-02		SKIN - Center fuselage section, center top	1	
-7	17309-08		SKIN - Center fuselage section, rear top	1	
-8	17309-40		SKIN - Windshield, left post	1	
-9	17309-44		SKIN - Center fuselage section, left side, lower front	1	
-10	16230-06		SKIN - Center fuselage section, left side, rear	1	
-11	16230-05		SKIN - Center fuselage section, right side, rear	1	
-12	17309-14		SKIN - Center fuselage section, right side, lower center	1	
-13	17309-43		SKIN - Center fuselage section, right side, lower front	1	
-14	17309-39		SKIN - Windshield, right post	1	
-15	17309-21		SKIN - Fuselage door sill	1	
-16	17496-00		CHANNEL ASSEMBLY - Fuselage door frame, upper	1	
-17	17501-00		CHANNEL ASSEMBLY - Fuselage door frame, lower	1	
-18	17309-17		ANGLE - Stringer section (6' section)		
-19	16221-00		CHANNEL ASSEMBLY - Fuselage center section, rear window, bottom left	1	
	16221-01		CHANNEL ASSEMBLY - Fuselage center section, rear window, bottom right	1	
-20	16043-01		CHANNEL ASSEMBLY - Fuselage center section, rear window, right	1	
	16043-00		CHANNEL ASSEMBLY - Fuselage center section, rear window, left	1	
-21	17212-00		CHANNEL - Fuselage center section, left	1	
-22	17212-01		CHANNEL - Fuselage center section, right	1	
-23	17215-02		CHANNEL - Fuselage center section, left	1	
-24	17215-03		CHANNEL - Fuselage center section, right	1	
-25	17219-00		CHANNEL - Fuselage center section, left	1	
-26	17219-01		CHANNEL - Fuselage center section, right	1	
-27	17220-00		CHANNEL - Fuselage center section, left	1	
-28	17220-01		CHANNEL - Fuselage center section, right	1	
-29	17221-00		BULKHEAD - Fuselage center section	2	
-30	17221-01		BULKHEAD - Fuselage center section	2	
-31	17224-00		STRINGER - Fuselage center section, left	1	
-32	17224-01		STRINGER - Fuselage center section, right	1	
-33	17241-00		CHANNEL - Fuselage center section	2	
-34	17679-00		BRACKET ASSEMBLY - Dome light support	1	
-35	17256-00		STRINGER - Fuselage center section, left	1	
-36	17256-01		STRINGER - Fuselage center section, right	1	
-37	19552-00		BULKHEAD - Fuselage center section, left	1	
-38	19552-01		BULKHEAD - Fuselage center section, right	1	
-39	19186-00		CHANNEL ASSEMBLY - Fuselage center section, left	1	
-40	17258-01		CHANNEL ASSEMBLY - Fuselage center section, right	1	
-41	17259-00		STRINGER - Fuselage center section	1	

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
9-42	17260-00		STRINGER - Fuselage center section, left	1	
	17260-02		STRINGER - Fuselage center section, right	1	
-43	16084-00		CHANNEL - Fuselage center section, left	1	
-44	16084-01		CHANNEL - Fuselage center section, right	1	
-45	17265-00		CHANNEL - Fuselage center section, left	1	
-46	17265-01		CHANNEL - Fuselage center section, right	1	
-47	19564-00		STRINGER - Fuselage center section, rear top	1	
-48	17276-00		CHANNEL - Left rear window, bottom	1	
-49	17276-05		CHANNEL - Right front window, bottom	1	
-50	17277-00		CHANNEL - Fuselage center section, left	1	
	17277-05		CHANNEL - Fuselage center section, right	1	
-51	17278-00		CHANNEL - Fuselage upper door frame reinforcement	1	
-52	17279-00		CHANNEL - Left front window, top	2	
-53	17282-00		CHANNEL - Left front window, bottom	1	
-54	17284-00		STRINGER - Fuselage center section, left	1	
-55	17285-00		CHANNEL - Fuselage center section, left	1	
	17285-01		CHANNEL - Fuselage center section, right	1	
-56	17288-00		STRINGER - Fuselage center section, left	1	
-57	19534-00		CHANNEL - Fuselage center section, top front	1	
-58	17304-06		STRINGER ASSEMBLY - Fuselage center section, center top	1	
-59	17305-08		STRINGER ASSEMBLY - Fuselage center section, front top	1	
-60	16305-00		BULKHEAD ASSEMBLY - Fuselage center section, Sta. 141	1	
-61	17307-09		BULKHEAD ASSEMBLY - Fuselage center section, Sta. 110	1	
-62	16899-00		BRACKET ASSEMBLY - Tail trim indicator plate mounting	1	
-63	16088-00		CHANNEL ASSEMBLY - Fuselage center section, rear window, left	1	
	16088-01		CHANNEL ASSEMBLY - Fuselage center section, rear window, right	1	
-64	17222-00		BULKHEAD - Fuselage center section, left	1	
-65	17222-01		BULKHEAD - Fuselage center section, right	1	
-66	32910-00		CHANNEL ASSEMBLY - Fuselage door frame, lower front	1	
-67	19525-00		BRACKET ASSEMBLY - Cockpit light mounting	1	
-68	17557-00		CHANNEL ASSEMBLY - Baggage compartment door frame	1	
-69	17537-00		CHANNEL ASSEMBLY - Fuselage door frame, lower rear	1	
-70	17308-00		BULKHEAD ASSEMBLY - Fuselage center section, Sta. 79	1	
-71	17550-00		BRACKET - Door hinge	2	

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

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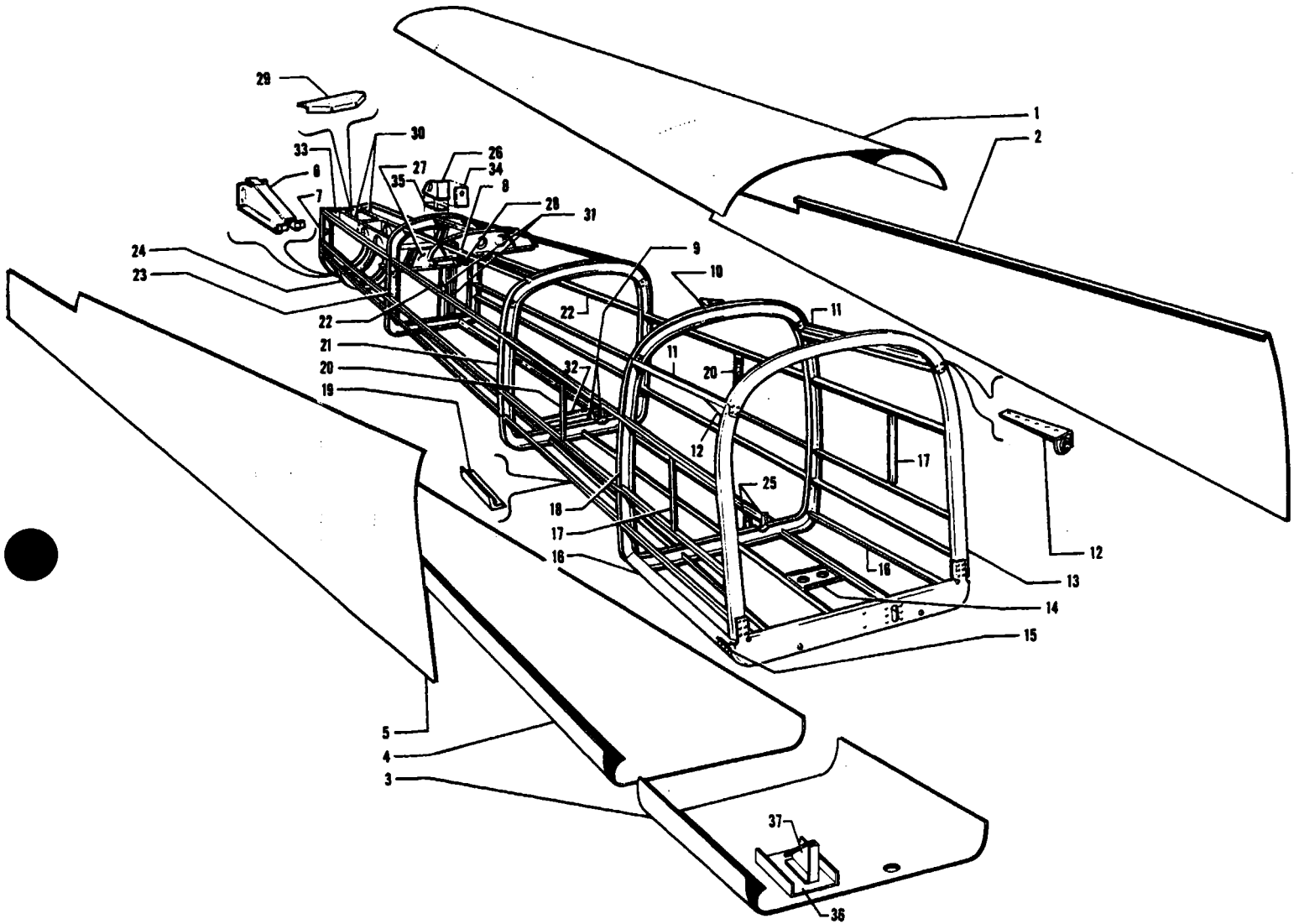


Figure 10. Fuselage Aft Section

REVISED: FEBRUARY 1983

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PA-23-150
PA-23-160



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
10-	17121	A	DRAWING - Fuselage Aft Section		
-1	17121-04		SKIN - Fuselage aft section, top	1	
-2	17121-02		SKIN - Fuselage aft section, left side	1	
-3	17121-05		SKIN - Fuselage aft section, bottom front	1	
-4	17121-06		SKIN - Fuselage aft section, bottom rear	1	
-5	17121-03		SKIN - Fuselage aft section, right side	1	
-6	17666-00		BRACKET - Tail skid support	1	
-7	17069-02		BULKHEAD ASSEMBLY - Fuselage aft section, Sta. 290	1	
-8	17073-00		BULKHEAD ASSEMBLY - Fuselage aft section, Sta. 253	1	
-9	17105-03		BRACKET - Elevator control tube, right rear roller	1	
	17105-02		BRACKET - Elevator control tube, left rear roller	1	
-10	17952-00		PLATE - Whip antenna mounting	1	
-11	17121-21		CHANNEL - Fuselage aft section, upper right, Sta. 169 and 192	1	
	17121-22		CHANNEL - Fuselage aft section, upper left, Sta. 169 and 192	1	
-12	17091-00		FITTING ASSEMBLY - Fuselage aft section, upper left attachment	1	
	17091-01		FITTING ASSEMBLY - Fuselage aft section, upper right attachment	1	
-13	17069-06		BULKHEAD ASSEMBLY - Fuselage aft section, Sta. 171	1	23-1 to 23-1501 inclusive
	17069-34		BULKHEAD ASSEMBLY - Fuselage aft section, Sta. 171	1	23-1502 and up
-14	17951-00		PLATE - Antenna mast mounting	1	
-15	17092-01		FITTING ASSEMBLY - Fuselage aft section, lower right attachment	1	
	17092-00		FITTING ASSEMBLY - Fuselage aft section, lower left attachment	1	
-16	17121-19		CHANNEL - Fuselage aft section, lower right, Sta. 153 and 192	1	
	17121-20		CHANNEL - Fuselage aft section, lower left, Sta. 153 and 192	1	
-17	17121-34		ANGLE - Fuselage aft section	2	
-18	17069-05		BULKHEAD ASSEMBLY - Fuselage aft section, Sta. 192	1	23-1 to 23-1870 inclusive
	19774-00		BULKHEAD ASSEMBLY - Fuselage aft section, Sta. 192	1	23-1871 and up
-19	751 228		ANGLE - Stringer section (6' section)		
-20	17121-36		ANGLE - Fuselage aft section	2	
-21	17069-04		BULKHEAD ASSEMBLY - Fuselage aft section, Sta. 229	1	23-1 to 23-1870 inclusive
	19773-00		BULKHEAD ASSEMBLY - Fuselage aft section, Sta. 229	1	23-1871 and up
-22	17121-17		ANGLE - Fuselage aft section, right, Sta. 229 to 290	1	
	17121-18		ANGLE - Fuselage aft section, left, Sta. 229 to 290	1	
-23	17069-03		BULKHEAD ASSEMBLY - Fuselage aft section, Sta. 266	1	
-24	17668-00		BULKHEAD - Fuselage aft section, Sta. 285	1	
-25	17105-04		BRACKET - Elevator control tube, left front roller	1	
	17105-05		BRACKET - Elevator control tube tube, right front roller	1	
-26	17093-03		FITTING ASSEMBLY - Stabilizer front attachment	2	
-27	17114-00		BRACKET ASSEMBLY - Fuselage bulkhead	1	

A - Complete assembly available as 17121-47 without bungee mechanism for airplane serial numbers 23-1 to 23-1871 inclusive and complete assembly available as 17121-50 without bungee mechanism for airplane serial numbers 23-1871 and up.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
10-28	17115-00		BRACKET ASSEMBLY - Pulley	1	
-29	17116-00		GUSSET - Fuselage aft section	1	
-30	19938-01		CHANNEL - Fuselage aft section, right	1	
	19938-00		CHANNEL - Fuselage aft section, left	1	
-31	17119-00		BRACKET ASSEMBLY - Elevator bellcrank, right	1	
	17118-00		BRACKET - Elevator bellcrank, left	1	
-32	19777-00		STRINGER	1	
-33	17121-24		CHANNEL - Fuselage aft section, tail	1	
-34	19119-02		SHIM - Stabilizer attachment fitting, forward (.064)	AR	
	19119-03		SHIM - Stabilizer attachment fitting, forward (.032)	AR	
-35	18564-02		SHIM - Stabilizer attachment fitting, bottom (.016)	AR	
	18564-03		SHIM - Stabilizer attachment fitting, bottom (.032)	AR	
	18564-04		SHIM - Stabilizer attachment fitting, bottom (.064)	AR	
-36	28618-02	A	CHANNEL REINFORCEMENT	1	
-37	28619-02	A	BRACKET - Support	1	

A - Used on aircraft that have complied with Service Bulletin No.672.

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

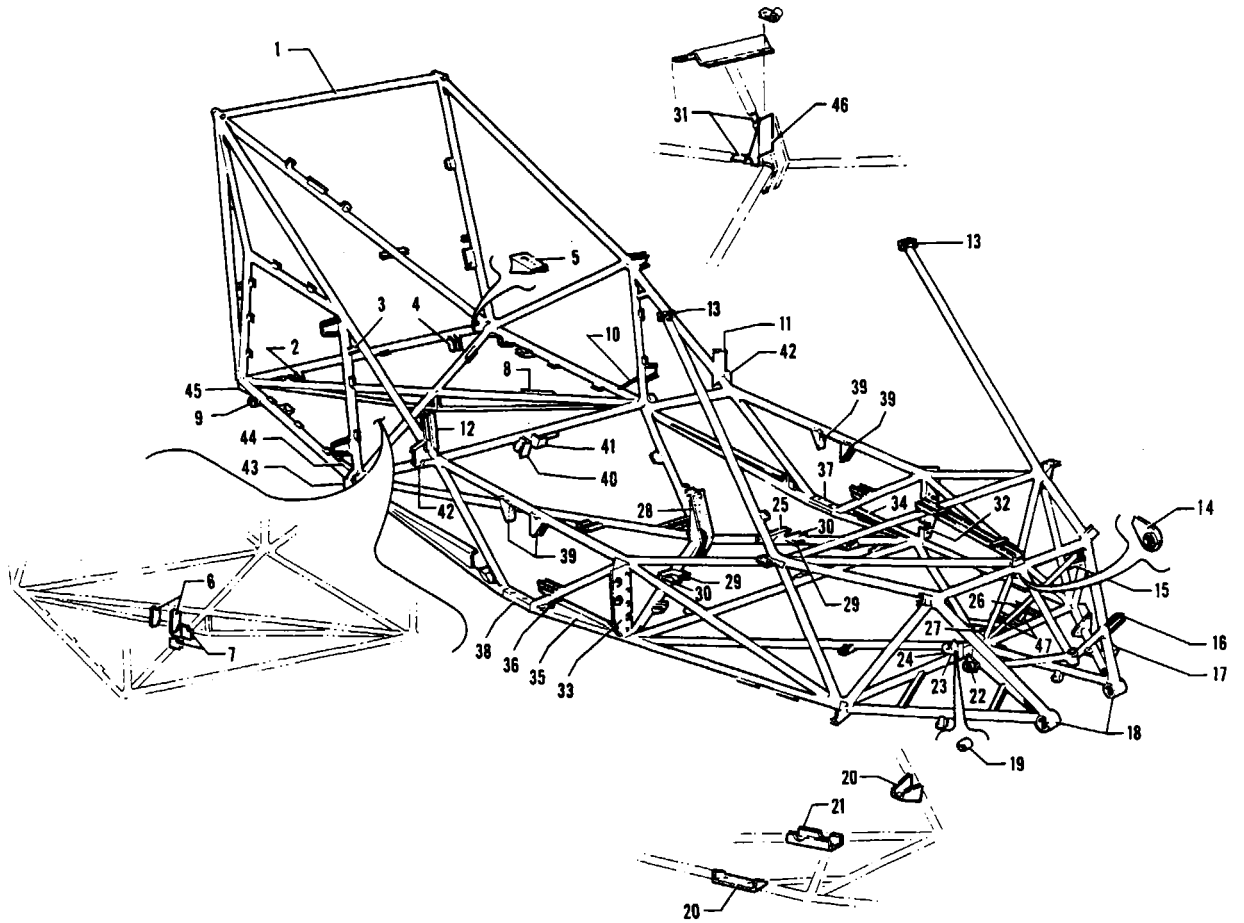


Figure 11. Fuselage Frame



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
11-	17147 17162 16228 18868 16257		DRAWING - Rudder Pedal Torque Tube Bracket Installation DRAWING - Fuselage Frame Assembly DRAWING - Fuselage Frame Assembly DRAWING - Fuselage Fitting Installation DRAWING - Fuselage Fitting Installation		23-1 to 23-1870 inclusive 23-1871 and up 23-1 to 23-1870 inclusive 23-1871 and up
-1	17162-05 17162-06 16228-00		FUSELAGE FRAME ASSEMBLY FUSELAGE FRAME ASSEMBLY FUSELAGE FRAME ASSEMBLY	1 1 1	23-1 to 23-1151 inclusive 23-1152 to 23-1870 inclusive 23-1871 and up
-2	17401-00		TUBE - Step attachment	1	
-3	17168-00		BRACKET ASSEMBLY - Flap actuating cylinder, mounting	1	
-4	17150-00		BRACKET - Rudder cable pulley	2	
-5	18433-00		BRACKET - Baggage tie down rear	5	
-6	17175-02		PLATE - Elevator tube idler channel	2	
-7	17175-03		PLATE - Elevator tube idler channel	2	
-8	17175-04		PLATE - Elevator tube idler channel	2	
-9	18357-00		BRACKET - Step reinforcement	1	
-10	17080-00 17080-01		BRACKET - Safety belt attachment, left BRACKET - Safety belt attachment, right	1 1	
-11	17081-00 19352-00		FITTING - Rear seat attachment, left FITTING - Fuselage frame	1 1	23-1 to 23-1151 inclusive 23-1152 to 23-1870 inclusive
-12	17081-01 19352-01		FITTING - Rear seat attachment, right FITTING - Fuselage frame	1 1	23-1 to 23-1151 inclusive 23-1152 to 23-1870 inclusive
-13	17171-00		FITTING ASSEMBLY - Top deck attachment	2	
-14	17313-01 17313-00		BRACKET ASSEMBLY - Nose gear cylinder attachment, right BRACKET ASSEMBLY - Nose gear cylinder attachment, left	1 1	
-15	17327-00		ANGLE - Heater support	1	
-16	17326-02		BRACKET - Heater mounting, upper	1	
-17	17326-03		BRACKET - Heater mounting, lower	1	
-18	17164-00		BUSHING - Nose gear mounting	2	
-19	86102-28		BUSHING - Rudder pedal torque tube attachment bracket	1	
-20	17145-00		BRACKET - Rudder pedal torque tube attachment, outboard	2	
-21	17144-00		BRACKET ASSEMBLY - Rudder pedal torque tube attachment	1	
-22	17082-01 17082-00		FITTING - Nose wheel drag link attachment, right FITTING - Nose wheel drag link attachment, left	1 1	
-23	17146-00		BRACKET - Rudder pedal torque tube attachment, center	1	
-24	17173-00 17172-00		FITTING ASSEMBLY - Control column attachment, right FITTING ASSEMBLY - Control column attachment, left	1 1	
-25	17160-00		BRACKET - Elevator control tube idler	1	

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
11-26	17157-00		CHANNEL - Brake pedal attachment, outboard	1	23-1 to 23-1870 inclusive
	16237-02	A	CHANNEL - Brake pedal attachment, outboard	1	
	16237-02	B	CHANNEL - Brake pedal attachment, outboard	2	
-27	17157-02		CHANNEL - Brake pedal attachment, inboard	1	23-1 to 23-1870 inclusive
	16237-03	A	CHANNEL - Brake pedal attachment, inboard	1	
	16237-03	B	CHANNEL - Brake pedal attachment, inboard	2	
-28	17079-04		FITTING ASSEMBLY - Wing front spar attachment	1	23-1 to 23-1151 inclusive
	19298-00		FITTING ASSEMBLY - Wing front spar attachment	1	23-1152 and up
-29	17151-00		BRACKET - Seat track attachment, left outer and right inner	2	23-1 to 23-1870 inclusive
	17151-00		BRACKET - Seat track attachment, left outer	1	23-1871 and up
	19770-00		BRACKET - Seat track attachment, right inner	1	23-1871 and up
-30	17151-01		BRACKET - Seat track attachment, right outer and left inner	2	23-1 to 23-1870 inclusive
	17151-01		BRACKET - Seat track attachment, right outer	1	23-1871 and up
	19770-01		BRACKET - Seat track attachment, left inner	1	23-1871 and up
-31	84802-07		TUBE - Liner	2	23-1152 to 23-1870 inclusive
-32	17165-00		BRACKET - Top deck attachment, left	1	23-1 to 23-1870 inclusive
	16179-00		BRACKET - Top deck attachment, left	1	23-1871 and up
-33	17165-01		BRACKET - Top deck attachment, right	1	23-1 to 23-1870 inclusive
	16179-01		BRACKET - Top deck attachment, right	1	23-1871 and up
-34	17152-00		ANGLE - Floorboard support, front, left	1	
-35	17152-01		ANGLE - Floorboard support, front, right	1	
-36	17158-01		BRACKET - Seat track support, right	1	
	17158-00		BRACKET - Seat track support, left	1	
-37	17178-00		BRACKET - Front spar mounting, lower left	1	
-38	17078-01		BRACKET - Front spar mounting, lower right	1	
-39	17077-00		BRACKET - Front spar mounting, upper	4	
-40	17176-00		FITTING - Rear seat belt attachment	1	
-41	17177-00		FITTING ASSEMBLY - Rear seat belt attachment	1	
-42	17084-00		FITTING - Fuselage bottom panel attachment	2	
-43	17076-05		FITTING ASSEMBLY - Rear spar attachment, right	1	
	17076-04		FITTING ASSEMBLY - Rear spar attachment, left	1	
-44	17159-01		BRACKET ASSEMBLY - Flap torque tube attachment, left	1	
	17159-00		BRACKET ASSEMBLY - Flap torque tube attachment, right	1	
-45	17083-01		FITTING - Fuselage aft section attachment, lower right	1	
	17083-00		FITTING - Fuselage aft section attachment, lower left	1	
-46	19299-00		FITTING ASSEMBLY - Wing front spar rear attachment	1	23-1152 and up
-47	23-7137-5	B	TUBE ASSEMBLY - Brake channel support, right, outboard	2	
	23-7137-6	B	TUBE ASSEMBLY - Brake channel support, right, inboard	2	

A - Used on PA-23-160 with serial nos. 23-1871 to 23-1976, 23-1978 to 23-1980, 23-1982, 23-1983 and 23-1988 to 23-2043 inclusive.
 B - Used on PA-23-160 with serial nos. 23-1977, 23-1981, 23-1984 to 23-1987 and 23-2044 to 23-2046.

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

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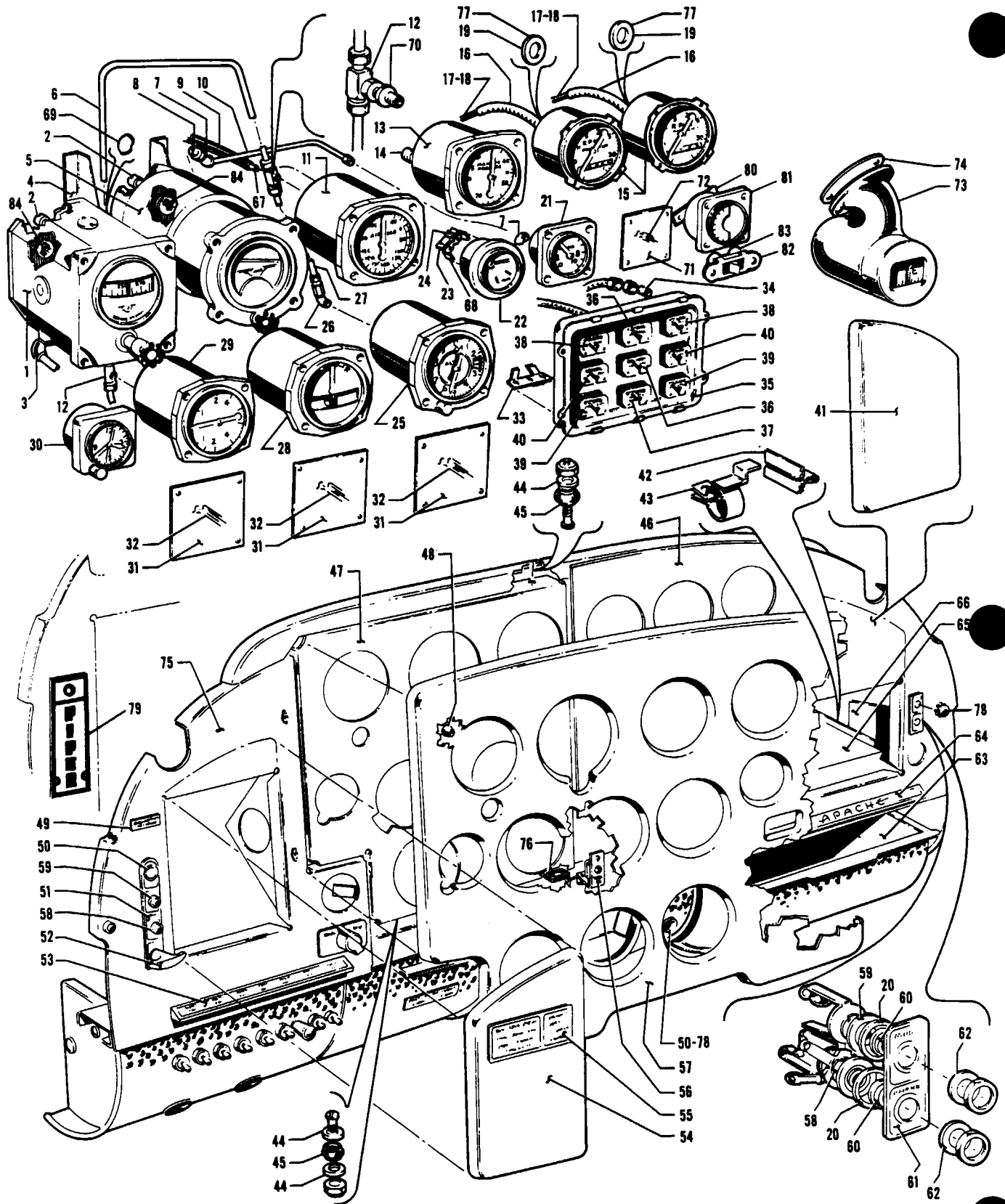


Figure 12. Instrument Panel Installation
(Serial Nos. 23-1 to 23-1501 inclusive)

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
12-	17789		DRAWING - Instrument Panel Installation		23-1 to 23-1501 inclusive
-1	550 647		INSTRUMENT - Directional gyro	1	
-2	480 937		PLUG - (W/H 3152 x 4)	2	
-3	458 928		ELBOW - (AN842-6D)	1	
-4	18374-00		BRACKET ASSEMBLY - Support, gyro horizon	1	
-5	550 646		INSTRUMENT - Gyro horizon indicator	1	
-6	17770-00		TUBE ASSEMBLY - Air (static)	1	
-7	458 940		ELBOW - (AN844-4D)	2	
-8	453 616		BUSHING - (AN912-1D)	1	
-9	83161-02		HOSE - Airspeed 1 (pitot)	1	
-10	82371-39		HOSE - Flexible	1	
-11	17419-02	AE	INSTRUMENT - Airspeed indicator	1	
	17419-05	B	INSTRUMENT - Airspeed indicator	1	
	17419-08	E	INSTRUMENT - Airspeed indicator	1	23-1152 and up
	752 085	A	INSTRUMENT - True speed indicator "150" (3500 lb. gross weight)	1	
	752 086	B	INSTRUMENT - True speed indicator	1	23-1177, 23-1183 to 23-1501
-12	488 380		TEE - (AN825-3D)	2	
-13	450 638		INSTRUMENT - Manifold pressure gauge	1	
-14	476 647		NIPPLE - (AN816-3D)	2	
-15	450 646		INSTRUMENT - Tachometer	2	
-16	486 573		SHAFT - Tachometer, 140"	2	
-17	751 505	C	CORE -138"	1	
-18	751 506	C	CORE -140"	1	
-19	80122-81		WASHER	2	
-20	85012-94		WASHER	4	
-21	450 648		INSTRUMENT - Suction gauge	1	
-22	17669-00		INSTRUMENT - Flap position indicator	1	
-23	451 850	D	ADAPTER ASSEMBLY -12 Volt	1	
-24	487 350		SEPARATOR - Terminal	1	
-25	32281-03		INSTRUMENT - Altimeter, sensitive (scale in inches of mercury)	1	
	32281-04		INSTRUMENT - Altimeter, sensitive (scale in millibars)	1	
-26	458 893		ELBOW - (AN822-3D)	1	
-27	17771-00		TUBE ASSEMBLY - Air (static)	1	
-28	450 704		INSTRUMENT - Turn and bank indicator	1	
-29	450 636		INSTRUMENT - Rate of climb	1	
-30	450 706		INSTRUMENT - Clock, 8 day	1	
-31	17790-02		PLATE ASSEMBLY - Cover	3	
-32	17741-00		EMBLEM	1	
-33	451 850	D	ADAPTER ASSEMBLY -12 Volt	2	
-34	484 348		REDUCER - Oil pressure gauge (AN919-OD)	4	

- A - Used when 150 H. P. engines are installed.
- B - Used when 160 H.P. engines are installed.
- C - Measure length of core before ordering.
- D - Used with 6 Volt instruments only.
- E - Used 17419-08 when 150 H. P. engines are installed and airplanes is approved for 3800 lb. gross weight.

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

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
12-35	764 429		INSTRUMENT CLUSTER REPLACEMENT KIT	1	
-36	755 499	D	* INSTRUMENT - Fuel quantity gauge	2	
-37	765 002	D	* INSTRUMENT - Ammeter	1	
-38	765 003	D	* INSTRUMENT - Oil pressure gauge	2	
-39	765 004	D	* INSTRUMENT - Fuel pressure gauge	2	
-40	765 005	D	* INSTRUMENT - Oil temperature gauge	2	
-41	17976-03		PLATE ASSEMBLY - Radio opening cover, right side	1	
-42	17731-00		TRACK ASSEMBLY - Map drawer, left	1	23-1 to 23-746 inclusive
	17731-04		TRACK ASSEMBLY - Map drawer, left	1	23-747 and up
	17731-01		TRACK ASSEMBLY - Map drawer, right	1	23-1 to 23-746 inclusive
	17731-05		TRACK ASSEMBLY - Map drawer, right	1	23-747 and up
-43	17734-02		CLAMP ASSEMBLY - Map drawer track attachment, left	1	
	17734-03		CLAMP ASSEMBLY - Map drawer track attachment, right	1	
-44	81342-19		WASHER	9	23-1 to 23-746 inclusive
	80122-40		WASHER	9	23-747 and up
-45	475 132		MOUNTING - Instrument, shock	6	23-1 to 23-746 inclusive
	475 126		MOUNTING - Instrument, shock	4	23-747 and up
-46	17486-00		PANEL ASSEMBLY - Instrument panel, right insert	1	
-47	17485-00		PANEL ASSEMBLY - Instrument panel, left insert	1	23-1 to 23-746 inclusive
	17485-06	A	PANEL ASSEMBLY - Instrument panel, left insert	1	23-1 to 23-746 inclusive
	19104-05		PANEL ASSEMBLY - Instrument panel, left insert	1	23-747 and up
	19104-06	A	PANEL ASSEMBLY - Instrument panel, left insert	1	23-747 and up
-48	453 643		BUMPER - Rubber	17	
-49	17899-00		PLACARD - Operating limitations, brown	1	
-50	17962-00		PLUG - Button	2	
-51	18839-02		PLACARD - Parking brake and phone jack, brown	1	23-1 to 23-375 inclusive
	18839-06		PLACARD - Parking brake and phone jack, black	1	23-376 and up
-52	471 080		KNOB - Tee, parking brake (KN578A)	1	
-53	17593-00		PLACARD - Panel switches, brown	1	23-1 to 23-375 inclusive
	17593-03		PLACARD - Panel switches, black	1	23-376 and up
-54	17976-02		PLATE ASSEMBLY - Radio opening cover, left side	1	
-55	18281-00		PLACARD - Check list, brown	1	23-1 to 23-375 inclusive
	18281-03		PLACARD - Check list, black	1	23-376 and up
-56	18448-00		ANGLE ASSEMBLY - Instrument panel support	1	
-57	17484-00	B	PANEL ASSEMBLY - Instrument panel cover	1	
	17484-09	C	PANEL ASSEMBLY - Instrument panel cover	1	
-58	468 003		JACK - Phone	2	
-59	468 002		JACK - Mike	2	
-60	80122-78		WASHER	4	
-61	17970-00		PLACARD - Phone jack, brown	1	23-1 to 23-1967 inclusive
	30313-00		PLACARD - Phone jack, black	1	23-1968 and up
-62	18397-02		BUSHING	4	
-63	17541-00		DRAWER ASSEMBLY - Map	1	23-1 to 23-746 inclusive
	17541-09		DRAWER ASSEMBLY - Map	1	23-747 and up

A - Used when LTRA-6 radio is installed.
 B - Used when 150 H.P. engines are installed.
 C - Used when 160 H.P. engines are installed.
 D - Used with Rochester Gauge Instrument Cluster Assembly only. If A.C. Spark Plug instruments are installed, order Instrument Cluster Replacement Kit 764 429 which contains a new Rochester Gauge Instrument Cluster Assembly complete with all instruments.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
12-64	17900-00		PLACARD - "APACHE", brown	1	23-1 to 23-375 inclusive
	17900-03		PLACARD - "APACHE", black	1	23-376 and up
-65	17767-00		PLATE - Map drawer cover	1	
-66	17754-00		PLATE ASSEMBLY - Wire support, right	1	23-1 to 23-746 inclusive
	17754-03		PLATE ASSEMBLY - Wire support, right	1	23-747 and up
-67	13541-04		TUBE - Airspeed (pitot)	1	
-68	487 570		MOUNTING STRAP - Flap indicator (#1500666)	1	
-69	458 941		ELBOW - (AN844-6D)	1	
-70	451 854		ADAPTER - (W/H 3200 x 2)	1	
-71	17790-03		PLATE ASSEMBLY - Cover	2	
-72	17741-00		EMBLEM	1	
-73	18414-00		COMPASS - 6 Volt	1	23-1 to 23-1222 inclusive
	19379-00		COMPASS - 12 Volt	1	23-1223 and up
-74	18285-00		GASKET - Compass	1	
-75	17425-00		PANEL ASSEMBLY - Instrument	1	
-76	18964-00		SPACER - Rubber	6	
-77	80122-83		WASHER - (.032)	AR	
-78	453 602		BUTTON - Plug (48152)	4	
-79	19200-00		PLACARD - Parking brake (standard)	1	
-80	455 129		CONNECTOR - Carburetor air temperature (AN3106A-14S-2S)	1	23-920 and up
-81	450 710		GAUGE - Carburetor air temperature (AN5790-6)	1	23-920 and up
-82	487 814		SWITCH - Carburetor air temperature (#8482K1)	1	23-920 and up
-83	81102-25		SPACER - Carburetor air temperature switch	1	23-920 and up
-84	755 824		PAD - Standard instrument filter (2 per instrument)	AR	
-85	752 119		GAUGE - Mixture control indicator	1	
-86	756 907		THERMOCOUPLE ASSEMBLY - (With mounting kit)	2	
-87	756 307		THERMOCOUPLE - (Less mounting kit)	1	
-88	753 948		CLAMP - Thermocouple probe attachment	1	
-89	753 949		CLAMP ASSEMBLY - Thermocouple probe attachment	1	
-90	756 256		MOUNTING SLEEVE - Thermocouple probe attachment	1	
-91	753 213		WIRE ASSEMBLY - Mixture control gauge	2	

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

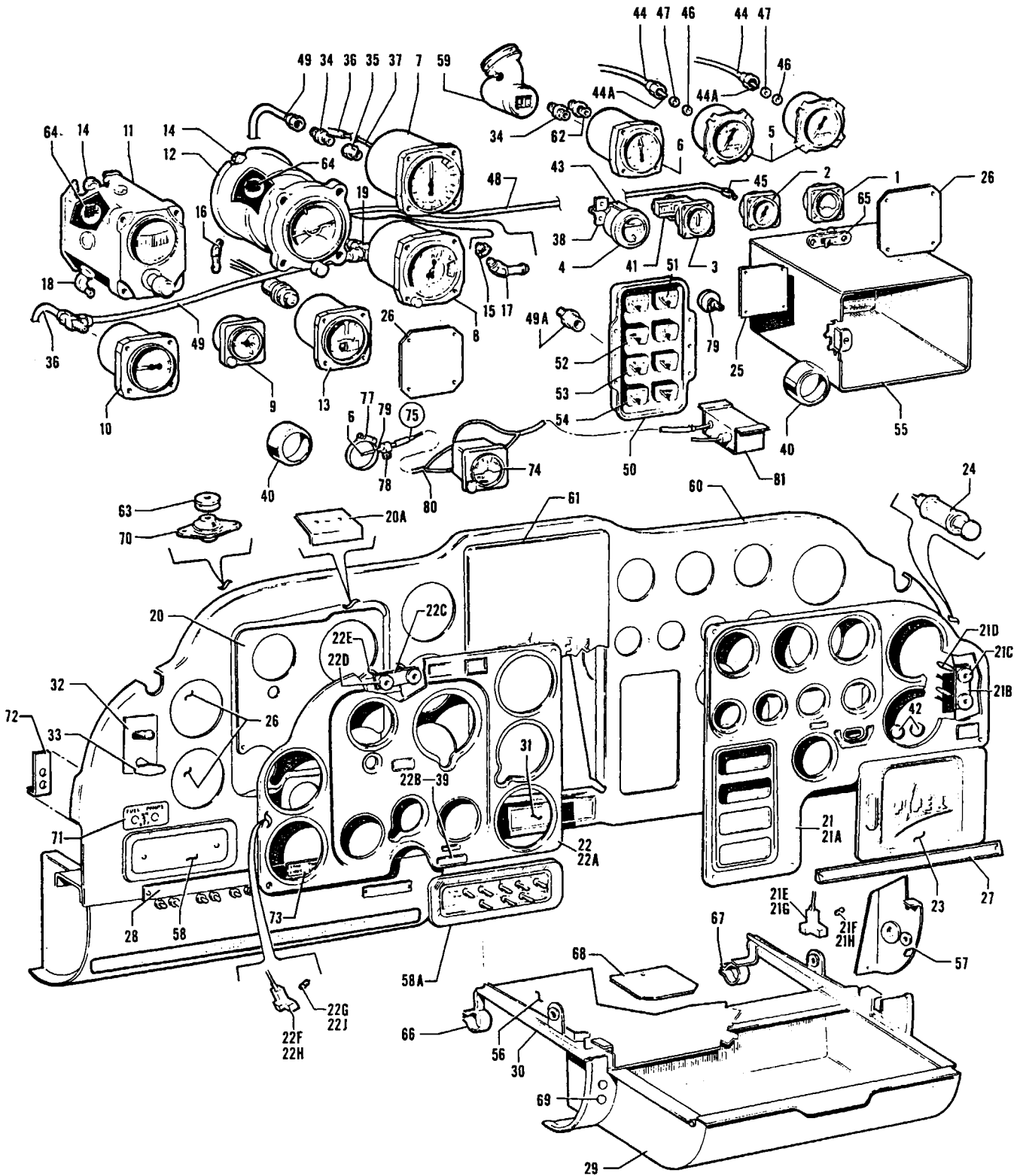


Figure 13. Instrument Panel Installation
(Serial Nos. 23-1502 and up)

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
13-	19550 19740 19850 23-2107	D C	DRAWING - Instrument Panel Installation DRAWING - Instrument Panel Installation DRAWING - Instrument Panel Installation DRAWING - Instrument Panel Installation		23-1502 to 23-1870 inclusive 23-1871 to 23-1967 inclusive
-1	450 710		INSTRUMENT - Carburetor air temperature	1	
-2	450 648		INSTRUMENT - Suction gauge	1	
-3	450 652		INSTRUMENT - Ammeter (35 AMP)	1	23-1502 to 23-1683 inclusive
	23857-00		INSTRUMENT - Ammeter (50 AMP)	1	23-1684 and up
-4	17669-00		INSTRUMENT - Flap indicator	1	
-5	450 646		INSTRUMENT - Tachometer	2	
-6	450 638		INSTRUMENT - Manifold pressure gauge	1	
-7	17419-08		INSTRUMENT - Airspeed indicator, "150"	1	
	17419-05		INSTRUMENT - Airspeed indicator, "160"	1	23-1502 to 23-1870 inclusive
	17419-10	B	INSTRUMENT - Airspeed indicator, "160"	1	
	17419-11	C	INSTRUMENT - Airspeed indicator, "160"	1	
	752 086		INSTRUMENT - True speed indicator	1	23-1502 to 23-1773 inclusive, 23-1775 to 23-1870 inclusive
	752 090		INSTRUMENT - True speed indicator	1	23-1774, 23-1871 and up
-8	32281-03		INSTRUMENT - Altimeter, sensitive (Scale in inches of mercury)	1	
	32281-04		INSTRUMENT - Altimeter, sensitive (Scale in millibars)	1	
-9	450 706		INSTRUMENT - Clock	1	
-10	550 684		INSTRUMENT - Rate of climb (0-4000 ft/min)	1	
-11	550 647		INSTRUMENT - Directional gyro	1	
-12	550 646		INSTRUMENT - Gyro horizon	1	
-13	450 704		INSTRUMENT - Turn and bank	1	
-14	480 937		PLUG - Pipe (3152 x 4)	3	23-1 to 23-2012 inclusive
			PLUG - (AN932-3)	3	23-2013 and up
-15	453 616		BUSHING - (AN912-1D)	1	23-1502 to 23-2012 inclusive
-16	458 941		ELBOW - (AN844-6D) 45°	1	23-1502 to 23-2012 inclusive
	458 945		ELBOW - (#134A3)	1	23-2013 and up
-17	458 940		ELBOW - (AN844-4D) 45°	1	23-1502 to 23-2012 inclusive
	19897-00		CONNECTOR ASSEMBLY	1	23-2013 and up
-18	458 928		ELBOW - (AN842-6D) 90°	1	23-1502 to 23-2012 inclusive
	458 945		ELBOW - (#134A3)	1	23-2013 and up
-19	488 310		TEE - (AN826-3D)	1	
-20	19526-00		PANEL - Instrument insert	1	23-1502 to 23-1870 inclusive
	19526-02		PANEL - Instrument insert	1	23-1871 to 23-1967 inclusive
	19854-00		PANEL - Instrument insert	1	23-1968 and up
-20a	19529-00		BRACKET ASSEMBLY - Gyro panel mounting	2	
-21	19505-00		PANEL - Cover, right	1	
	30007-02	A	PANEL ASSEMBLY - Cover, right (complete)	1	23-1502 and up

A - Optional equipment on 12 Volt system.
 B - Used on PA-23-160 with serial numbers 23-1871 to 23-1976, 23-1978 to 23-1980, 23-1982, 23-1983 and 23-1988 to 23-2043 inclusive.
 C - Used on PA-23-160 with serial numbers 23-1977, 23-1981, 23-1984 to 23-1987 and 23-2044 to 23-2046.
 D - Used on PA-23-160 with serial numbers 23-1968 to 23-1976, 23-1978 to 23-1980, 23-1982, 23-1983 and 23-1988 to 23-2043 inclusive.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
13-21a	30005-00	A	PANEL - Instrument panel, right cover	1	23-1502 and up
-21b	30014-00	A	PLATE - Instrument light plug attachment	1	23-1502 and up
-21c	81102-28	A	WASHER	2	23-1502 and up
-21d	481 060	A	PLUG - (Banana - 100)	2	23-1502 and up
-21e	454 327	A	RECEPTACLE - (GB-5952-3RH-R)	9	23-1502 and up
-21f	472 037	A	BULB - Indicator (#330)	9	23-1502 and up
-21g	484 326	A	RECEPTACLE - (GB-5952-3LH-R)	3	23-1502 and up
-21h	472 037	A	BULB - Indicator (#330)	3	23-1502 and up
-22	19506-00		PANEL - Cover, left	1	23-1502 to 23-1967 inclusive
	19731-09		PANEL - Cover, left	1	23-1968 and up
	30273-02	A	PANEL ASSEMBLY - Instrument panel, left (complete)	1	23-1502 and up
-22a	30265-02	A	PANEL ASSEMBLY - Instrument panel, left cover	1	23-1502 and up
-22b	17899-03	A	PLACARD - Operating limitations	1	23-1502 and up
-22c	30014-00	A	PLATE - Instrument light plug attachment	1	23-1502 and up
-22d	81102-28	A	WASHER	2	23-1502 and up
-22e	481 060	A	PLUG - (Banana - 100)	2	23-1502 and up
-22f	484 327	A	RECEPTACLE - (GB-5952-3RH-R)	3	23-1502 and up
-22g	472 037	A	BULB - Indicator	3	23-1502 and up
-22h	484 326	A	RECEPTACLE - (GB-5952-3LH-R)	7	23-1502 and up
-22j	472 037	A	BULB - Indicator	7	23-1502 and up
-23	19543-00		DOOR ASSEMBLY - Glove compartment	1	
-24	19007-00		LIGHTER ASSEMBLY - Cigar	1	
-25	17790-03		PLATE ASSEMBLY - Hole cover	1	
-26	17790-02		PLATE ASSEMBLY - Hole cover	5	
-27	17900-03		PLACARD - "APACHE"	1	
-28	17593-03	B	PLACARD - Switch	1	
	23-2107-7	C	PLACARD - Switch	1	
-29	17541-09		DRAWER ASSEMBLY - Map	1	
-30	17731-05		TRACK ASSEMBLY - Map tracker, left	1	
	17731-04		TRACK ASSEMBLY - Map tracker, right	1	
-31	19520-00		PLACARD - Check list	1	23-1502 to 23-1870 inclusive
	16285-00	D	PLACARD - Check list	1	
	23-2107-9	C	PLACARD - Check list	1	
-32	19521-00		PLACARD - Parking brake	1	
-33	471 062		HANDLE - Parking brake	1	
-34	476 647		NIPPLE - (AN816-3D)	3	
-35	451 854		ADAPTER - (W/H 3200 x 2)	1	
-36	83161-02		HOSE - Flexible	1	
-37	13541-04		TUBE ASSEMBLY - Airspeed	1	
-38	487 350		SEPARATOR - (1515642)	2	
-39	19940-00		PLACARD - Limitations	1	
-40	17393-04		PLATE - Control wheel shaft	2	
-41	16410-00		BLOCK	1	

A - Optional equipment on 12 Volt system.
 B - Used on PA- 23-150, PA-23-160 with serial nos. 23-1 to 23-1976, 23-1978 to 23-1980, 23-1982, 23-1983 and 23-1988 to 23-2043.
 C - Used on PA-23-160 with serial nos. 23-1977, 23-1981, 23-1984 to 23-1987 and 23-2044 to 23-2046.
 D - Used on PA-23-160 with serial nos. 23-1871 to 23-1976, 23-1978 to 23-1980, 23-1982, 23-1983 and 23-1988 to 23-2043 inclusive.

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

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
13-42	453 602		BUTTON - Plug (48152)	4	
-43	487 570		STRAP - Mounting (1500666)	1	
-44	486 577		SHAFT - Tachometer (146" L)	2	
-44a	751 506	A	* CORE - Tachometer shaft (140" L)	1	
	751 530	A	* CORE - Tachometer shaft (146" L)	1	
-45	458 940		ELBOW - 45° (AN844-4D)	1	
-46	80122-81		WASHER - (.064)	2	
-47	80122-83		WASHER - (.032)	AR	
-48	82371-26		HOSE - Flexible	1	
-49	20650-00		LINE ASSEMBLY - Static air	2	23-1502 to 23-1870 inclusive
	17881-03	D	LINE ASSEMBLY - Static air	2	
	23-2107-4	C	TUBE ASSEMBLY - Static air	1	
-49a	484 348		REDUCER - (AN919-OD)	4	
-50	764 430		INSTRUMENT CLUSTER REPLACEMENT KIT	1	
-51	755 499	E	* INSTRUMENT - Fuel quantity	2	
-52	765 004	E	* INSTRUMENT - Fuel pressure	2	
-53	765 003	E	* INSTRUMENT - Oil pressure	2	
-54	765 005	E	* INSTRUMENT - Oil temperature	2	
-55	19540-00		COMPARTMENT ASSEMBLY - Glove	1	
-56	17767-00		PLATE - Map drawer cover	1	23-1502 to 23-2012 inclusive
	19930-00		PLATE - Map drawer cover	1	23-2013 and up
-57	17754-03		PLATE ASSEMBLY - Wire support	1	23-1 to 23-1870 inclusive
	17754-05		PLATE ASSEMBLY - Wire support	1	23-1871 and up
-58	19560-00		PANEL - Radio opening cover, left	1	23-1502 to 23-1967 inclusive
	19852-00	B	PANEL - Radio opening cover, left	1	
	23-2107-8	C	PANEL - Radio opening cover, left	1	
-58a	19560-00		PANEL - Radio opening cover, right	1	23-1502 to 23-1967 inclusive
	19853-00	B	PANEL - Radio opening cover, right	1	
	16886-5M	C	PANEL - Radio opening cover, right	1	
-59	19379-00		COMPASS ASSEMBLY - 12 Volt	1	
-60	19504-00		PANEL ASSEMBLY - Instrument	1	23-1502 to 23-1870 inclusive
	16866-00		PANEL ASSEMBLY - Instrument	1	23-1871 to 23-1967 inclusive
	30187-00		PANEL ASSEMBLY - Instrument	1	23-1968 to 23-2012 inclusive
	30340-00		PANEL ASSEMBLY - Instrument	1	23-2013 and up
-61	19656-00		PANEL ASSEMBLY - Radio opening cover	1	23-1 to 23-1967 inclusive
	19851-00		PANEL ASSEMBLY - Radio opening cover	1	23-1968 and up
-62	476 648		NIPPLE - (AN816-4D)	2	
-63	434 134		GROMMET - (AN931-6-10) Shock mounting	3	

A - Measure length of core before ordering.
 B - Used on PA-23-160 with serial nos. 23-1968 to 23-1976, 23-1978 to 23-1980, 23-1982, 23-1983 and 23-1988 to 23-2043 inclusive.
 C - Used on PA-23-160 with serial nos. 23-1977, 23-1981, 23-1984 to 23-1987 and 23-2044 to 23-2046.
 D - Used on PA-23-160 with serial nos. 23-1871 to 23-1976, 23-1978 to 23-1980, 23-1982, 23-1983 and 23-1988 to 23-2043 inclusive.
 E - Used with Rochester Gauge Instrument Cluster Assembly only. If A.C. Spark Plug instruments are installed, order Instrument Cluster Replacement Kit 764 430 which contains a new Rochester Gauge Instrument Cluster Assembly complete with all instruments.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
13-64	755 825		PAD - AutoControl instrument filter (2 per instrument)	AR	
-65	487 814		SWITCH - Carburetor air temperature	1	
-66	17734-02		CLAMP ASSEMBLY - Map drawer track attachment	1	
-67	17734-03		CLAMP ASSEMBLY - Map drawer track attachment	1	
-68	30557-00		PLACARD - Radio circuit breaker	1	
-69	453 664		BUTTON - Plug (SS48192)	1	
-70	475 126		MOUNTING - Instrument shock (#100PD-4)	1	
-71	23-2107-2	A	PLACARD - Fuel pump switches	1	
-72	23-2107-6	A	ANGLE - Mike and phone jack mounting, LH	1	
-73	23-2107-3	A	PLACARD - Landing light and taxi light	1	
-74	752 119	B	GAUGE ASSEMBLY - Mixture control indicator	1	
	751 914	C	GAUGE ASSEMBLY - Mixture control indicator	1	
-75	756 907		THERMOCOUPLE ASSEMBLY - (with mounting kit)	2	
-76	756 307		THERMOCOUPLE - (less mounting kit)	1	
-77	753 948		CLAMP - Thermocouple probe attachment	1	
-78	753 949		CLAMP ASSEMBLY - Thermocouple probe attachment	1	
-79	756 256		MOUNTING SLEEVE - Thermocouple probe attachment	1	
-80	753 213		WIRE ASSEMBLY - Mixture control gauge	2	
-81	751 291		AMPLIFIER ASSEMBLY - Mixture control gauge	1	
			A - Used on PA-23-160 with serial numbers 23-1977, 23-1981, 23-1984 to 23-1987 and 23-2044 to 23-2046.		
			B - Used if Mixture Control Gauge Amplifier <u>is not</u> installed.		
			C - Used if Mixture Control Gauge Amplifier <u>is</u> installed.		

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

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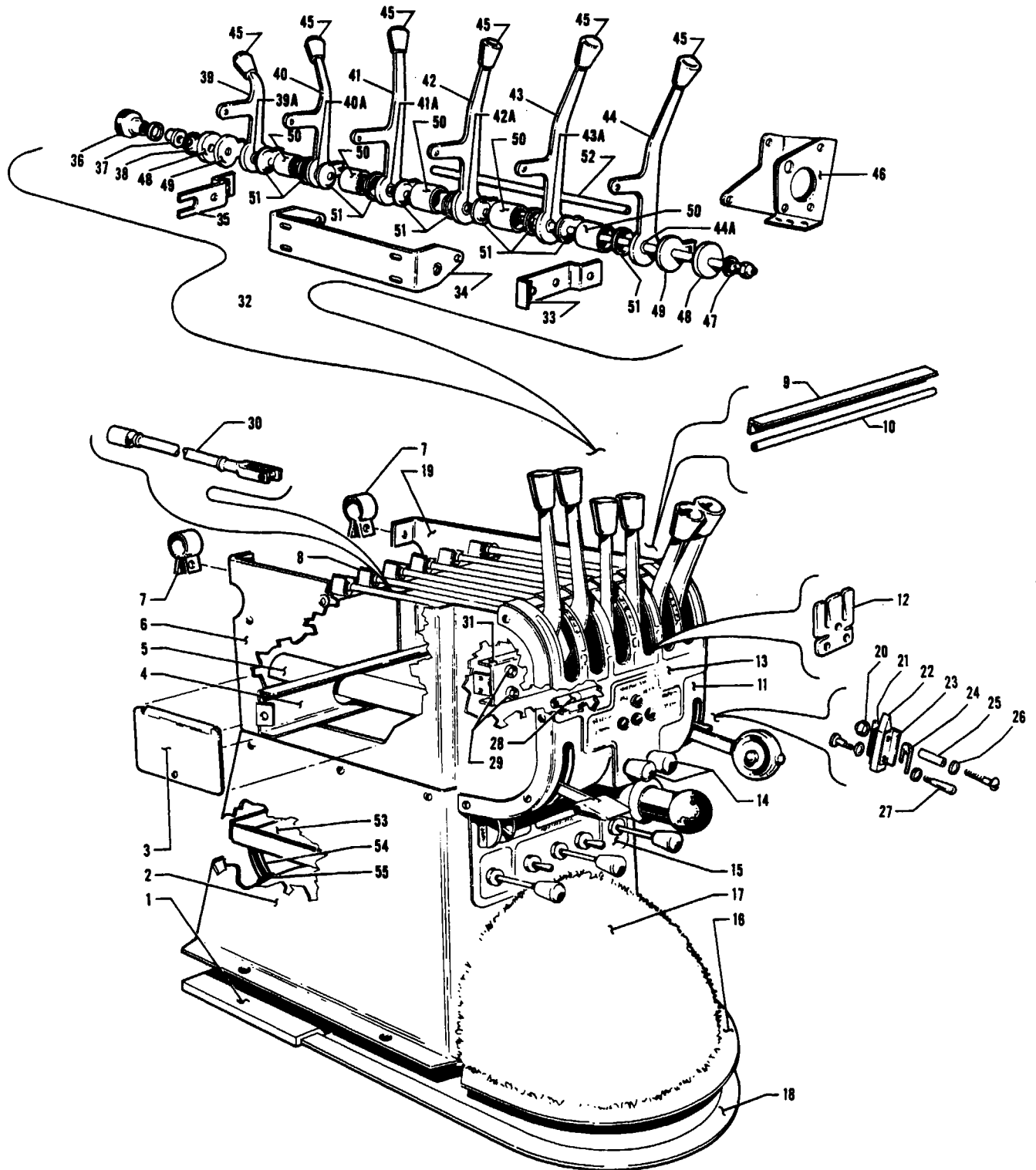


Figure 14. Control Pedestal Installation



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
14-	17986 19152 16298		DRAWING - Pedestal Installation DRAWING - Pedestal Installation DRAWING - Pedestal Installation		23-1 to 23-1501 inclusive 23-1502 to 23-1870 inclusive 23-1871 and up
-1	18356-00		GASKET - Nose wheel cover	1	
-2	17603-00 19864-00		BASE - Pedestal BASE - Pedestal	1 1	23-1 to 23-1967 inclusive 23-1968 and up
-3	17483-00		PLATE - Pedestal, access	2	
-4	17834-00		ANGLE ASSEMBLY - Pedestal support	2	
-5	17929-00		CHANNEL - Hydraulic pump lever guide	1	
-6	17065-00 17065-03 17065-05 17065-03		PLATE ASSEMBLY - Pedestal, left side PLATE ASSEMBLY - Pedestal, left side PLATE ASSEMBLY - Pedestal, left side PLATE ASSEMBLY - Pedestal, left side	1 1 1 1	23-1 to 23-746 inclusive 23-747 to 23-1501 inclusive 23-1502 to 23-1835 and 23-1840 23-1836 to 23-1839, 23-1841 and up
-7	80002-53		CLAMP - Offset	2	
-8	17892-00 16975-00		BRACKET ASSEMBLY - Engine control support BRACKET ASSEMBLY - Engine control support	1 1	23-1 to 23-1870 inclusive 23-1871 and up
-9	17966-00		ANGLE - Pedestal control placard attachment	1	
-10	17891-02		TUBE - Engine controls stop, forward	1	
-11	17820-00		PLATE - Pedestal front cover	1	23-1 to 23-1870 inclusive 23-1989 and up
	17820-02		PLATE - Pedestal front cover	1	23-1871 to 23-1988 inclusive
-12	18330-00 19715-00 19715-02		PLATE - Propeller control lever, friction PLATE - Propeller control lever, friction PLATE - Propeller control lever, friction	1 1 1	23-1 to 23-1870 inclusive 23-1871 to 23-1988 inclusive 23-1989 and up
-13	17861-00 17861-03		PLACARD - Pedestal control, brown PLACARD - Pedestal control, black	1 1	23-1 to 23-375 inclusive 23-376 and up
-14	17457-02 18875-05		KNOB - Plastic, carburetor, brown KNOB - Plastic, carburetor, black	1 1	23-1 to 23-375 inclusive 23-376 to 23-1151 inclusive
-15	17894-00 18867-00 19065-00		PLACARD - Heater panel, brown PLACARD - Heater panel, black PLACARD - Heater panel, black	1 1 1	23-1 to 23-375 inclusive 23-376 to 23-746 inclusive 23-747 and up
-16	17640-00 17640-06 17640-07 17640-09 17640-11 17640-13 17640-23		COVER ASSEMBLY - Nose wheel, brown COVER ASSEMBLY - Nose wheel, gray COVER ASSEMBLY - Nose wheel, dark gray COVER ASSEMBLY - Nose wheel, dark gray COVER ASSEMBLY - Nose wheel, dark gray COVER ASSEMBLY - Nose wheel, dark gray BACKING - Less plastic cover	1 1 1 1 1 1 1	23-1 to 23-375 inclusive 23-376 to 23-739 inclusive 23-740 to 23-1163 inclusive 23-1164 to 23-1173 inclusive 23-1174 to 23-1501 inclusive 23-1502 to 23-1870 inclusive 23-1871 and up
-17	17640-04 17640-05 17640-08 17640-10 17640-12 17640-14 16681-00		CARPET - Brown CARPET - Gray CARPET - Dark gray CARPET - Dark gray CARPET - Dark gray CARPET - Dark gray COVER ASSEMBLY - Thermoplastic	1 1 1 1 1 1 1	23-1 to 23-375 inclusive 23-376 to 23-739 inclusive 23-740 to 23-1163 inclusive 23-1164 to 23-1173 inclusive 23-1174 to 23-1501 inclusive 23-1502 to 23-1870 inclusive 23-1871 and up
-18	13945-28		STRIP - Rubber	1	
-19	17736-00 17736-03		PLATE ASSEMBLY - Pedestal, right side PLATE ASSEMBLY - Pedestal, right side	1 1	23-1 to 23-1501 inclusive 23-1502 to 23-1835 and 23-1840 inclusive
	17736-00		PLATE ASSEMBLY - Pedestal, right side	1	23-1836 to 23-1839, 23-1841 and up
-20	18323-00		NUT - Special	1	

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
14-21	18296-00		ANGLE - Landing gear control latch attachment, left	1	
-22	18297-00		LATCH - Landing gear control	1	
-23	18296-01		ANGLE - Landing gear control latch attachment, right	1	
-24	18149-00		SPRING - Landing gear control lock	1	
-25	14175-70		BUSHING	1	
-26	14175-89		BUSHING	1	
-27	18298-00		PIN - Landing gear control latch	1	
-28	17891-00		TUBE - Engine controls stop, aft	1	
-29	80122-11		WASHER	4	
-30	554 757		CLEVIS - Engine control cables (MS35812-1)	6	
-31	17835-00		CHANNEL ASSEMBLY - Pedestal support	1	
-32	17859-00		CONTROL ASSEMBLY - Pedestal	1	23-1 to 23-1501 inclusive
	19519-00		CONTROL ASSEMBLY - Pedestal	1	23-502 to 23-1835 inclusive and 23-1840
	17859-00	A	CONTROL ASSEMBLY - Pedestal	1	
	19519-00	B	CONTROL ASSEMBLY - Pedestal	1	
-33	18351-00		LINK - Pedestal control brace	1	
-34	17855-00		BRACKET - Pedestal control	1	
-35	18145-03		LINK - Pedestal control bracket brace	1	
-36	471 044		KNOB - Black	1	
-37	17848-02		BEARING - Pedestal control shaft	1	
-38	408 815		WASHER - Spring	1	
-39	17858-03		LEVER - Mixture control	1	23-1 to 23-1501 inclusive
	19497-03		LEVER - Mixture control	1	23-1502 to 23-1835 inclusive and 23-1840
	17858-03	A	LEVER - Mixture control	1	
	19497-03	B	LEVER - Mixture control	1	
-40	17858-02		LEVER - Mixture control	1	23-1 to 23-1501 inclusive
	19497-02		LEVER - Mixture control	1	23-1502 to 23-1835 inclusive and 23-1840
	17858-02	A	LEVER - Mixture control	1	
	19497-02	B	LEVER - Mixture control	1	
-41	17857-02		LEVER - Propeller control, right	1	23-1 to 23-1501 inclusive
	19508-01		LEVER - Propeller control, right	1	23-1502 to 23-1835 inclusive and 23-1840
	17857-01	A	LEVER - Propeller control, right	1	
	19508-01	B	LEVER - Propeller control, right	1	
-42	17857-00		LEVER - Propeller control, left	1	23-1 to 23-1501 inclusive
	19508-00		LEVER - Propeller control, left	1	23-1502 to 23-1835 inclusive and 23-1840
	17857-00	A	LEVER - Propeller control, left	1	
	19508-00	B	LEVER - Propeller control, left	1	
-42a	452 359		BEARING - (A306-11)	1	
-43	17856-03		LEVER - Throttle	1	23-1 to 23-1501 inclusive
	19509-03		LEVER - Throttle	1	23-1502 to 23-1835 inclusive and 23-1840
	17856-03	A	LEVER - Throttle	1	
	19509-03	B	LEVER - Throttle	1	

A - Used with serial nos. 23-1836 to 23-1839 incl., 23-1841 to 23-1922 incl., 23-1924, 23-1925, 23-1927, 23-1928 and 23-1934 inclusive.
 B - Used with serial nos. 23-1923, 23-1926, 23-1929 to 23-1933 and 23-1935 and up.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
14-43a	452 359		BEARING - (#A306-11)	1	
-44	17856-02		LEVER - Throttle	1	23-1 to 23-1501 inclusive
	19509-02		LEVER - Throttle	1	23-1502 to 23-1835 inclusive and 23-1840
	17856-02	A	LEVER - Throttle	1	
	19509-02	B	LEVER - Throttle	1	
-44a	452 359		BEARING - (#306-11)	1	
-45	17457-03		KNOB - Plastic, brown	6	23-1 to 23-375 inclusive
	18875-02		KNOB - Throttle, lever, black	2	23-376 and up
	18875-03		KNOB - Propeller control lever, blue	2	23-376 and up
	18875-04		KNOB - Mixture control lever, red	2	23-376 and up
-46	17927-00		BRACKET - Throttle micro switch	1	
-47	18902-00		SHAFT ASSEMBLY - Pedestal control	1	
-48	81342-68		WASHER	2	
-49	17852-03		PLATE - Friction	2	
-50	14175-37		BUSHING	5	
-51	17852-02		PLATE - Friction	10	
-52	17850-00		TUBE - Pedestal control keeper	1	
-53	19008-00		PAN ASSEMBLY - Powerpak drip	1	23-510 and up
-54	90797-09		TUBE - Plastic, drain	1	
-55	434 129		GROMMET - (AN931-5-9)	1	

A - Used with serial nos. 23-1836 to 23-1839 incl., 23-1841 to 23-1922 incl., 23-1924, 23-1925, 23-1927, 23-1928 and 23-1934 inclusive.
 B - Used with serial nos. 23-1923, 23-1926, 23-1929 to 23-1933 and 23-1935 and up.

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

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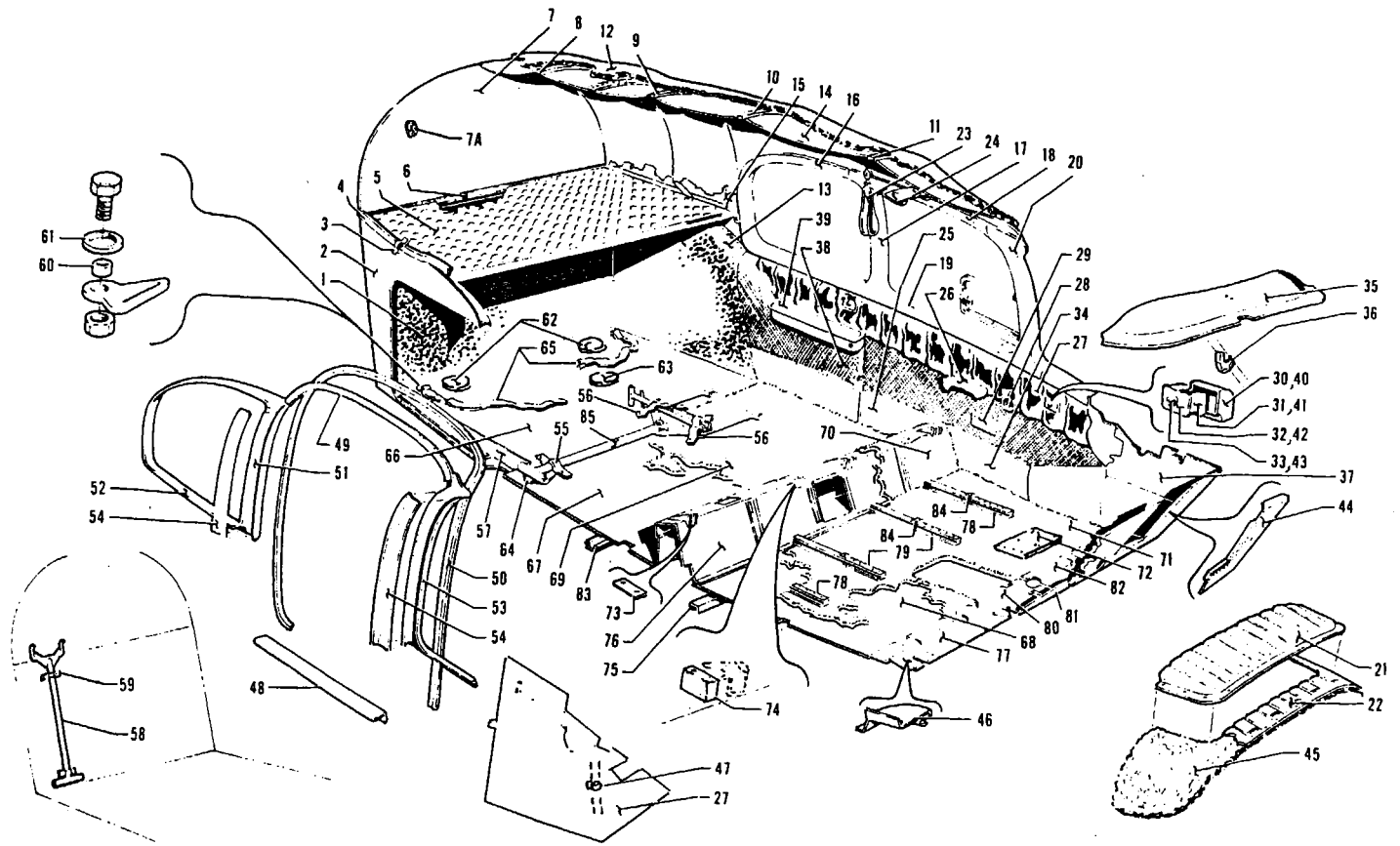


Figure 15. Floorboard and Cockpit Finishing Installation
(Serial Nos. 23-1 to 23-1163 inclusive)



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
15-	16018		DRAWING - Cockpit Finishing Installation	1	23-1 to 23-375 inclusive
	18854		DRAWING - Cockpit Finishing Installation	1	23-376 to 23-1163 inclusive
	17977		DRAWING - Floorboard Installation	1	23-1 to 23-375 inclusive
	18925		DRAWING - Floorboard Installation	1	23-376 to 23-1163 inclusive
-1	18229-00		PANEL - Baggage compartment, rear	1	23-1 to 23-375 inclusive
	18863-02	A	PANEL - Baggage compartment, rear	1	23-376 to 23-739 inclusive
-2	18863-21	B	PANEL - Baggage compartment, rear	1	23-740 to 23-1163 inclusive
	17853-00		PANEL - Baggage compartment, right side	1	23-1 to 23-375 inclusive
-3	18921-02	A	PANEL - Baggage compartment, right side	1	23-376 to 23-739 inclusive
	18921-19	B	PANEL - Baggage compartment, right side	1	23-740 to 23-1163 inclusive
-3	18378-00		CLAMP ASSEMBLY - Baggage compartment panel attachment	2	
-4	18174-01		ANGLE - Baggage compartment trim, right	1	
	18174-00		ANGLE - Baggage compartment trim, left	1	
-5	18009-00		SHELF ASSEMBLY - Cockpit, brown	1	23-1 to 23-375 inclusive
	18009-10		SHELF ASSEMBLY - Cockpit, black	1	23-376 to 23-429 inclusive
	19001-00		SHELF ASSEMBLY - Cockpit, black	1	23-430 to 23-1163 inclusive
-6	18179-00		ANGLE - Baggage compartment	1	
-7	17552-00		PANEL ASSEMBLY - Rear cabin, brown	1	23-1 to 23-375 inclusive
	17552-05		PANEL ASSEMBLY - Rear cabin, gray	1	23-376 to 23-1163 inclusive
-7a	465 176		HOLDER - Hat (#205)	1	
-8	17896-05		ARCH - Headlining	1	
-9	17896-04		ARCH - Headlining	1	
-10	17896-03		ARCH - Headlining	1	
-11	17896-02		ARCH - Headlining	1	
-12	181 231		INSULATION - Fiberglass (per square yard)	35	
-13	17582-00		PANEL - Baggage compartment, left side	1	23-1 to 23-375 inclusive
	18918-02	A	PANEL - Baggage compartment, left side	1	23-376 to 23-739 inclusive
	18918-19	B	PANEL - Baggage compartment, left side	1	23-740 to 23-1163 inclusive
-14	18091-00		HEADLINING ASSEMBLY - Brown	1	23-1 to 23-375 inclusive
	18091-15		HEADLINING ASSEMBLY - Gray	1	23-376 to 23-1163 inclusive
-15	18151-00		PLATE ASSEMBLY - Rear seat tube trim, left, brown	1	23-1 to 23-375 inclusive
	18151-01		PLATE ASSEMBLY - Rear seat tube trim, right, brown	1	23-1 to 23-375 inclusive
	18151-06		PLATE ASSEMBLY - Rear seat tube trim, left, gray	1	23-376 to 23-1163 inclusive
	18151-07		PLATE ASSEMBLY - Rear seat tube trim, right, gray	1	23-376 to 23-1163 inclusive
-16	18018-02		MOULDING - Left rear window, brown	1	23-1 to 23-375 inclusive
	18854-02		MOULDING - Left rear window, black	1	23-376 to 23-1163 inclusive
-17	18018-03		MOULDING - Left center post, brown	1	23-1 to 23-375 inclusive
	18854-03		MOULDING - Left center post, black	1	23-376 to 23-1163 inclusive
-18	18018-04		MOULDING - Left front window, top, brown	1	23-1 to 23-375 inclusive
	18854-04		MOULDING - Left front window, top, black	1	23-376 to 23-1163 inclusive
-19	18018-05		MOULDING - Left front window, bottom, brown	1	23-1 to 23-375 inclusive
	18854-05		MOULDING - Left front window, bottom, black	1	23-376 to 23-1163 inclusive
-20	18018-06		MOULDING - Left windshield post, brown	1	23-1 to 23-375 inclusive
	18854-06		MOULDING - Left windshield post, black	1	23-376 to 23-1163 inclusive
-21	18070-00		PANEL ASSEMBLY - Instrument access trim, brown	1	23-1 to 23-375 inclusive
	18882-00		PANEL ASSEMBLY - Instrument access trim, black	1	23-376 to 23-746 inclusive
	18882-03		PANEL ASSEMBLY - Instrument access trim, black	1	23-747 to 23-1163 inclusive

A - When ordering specify color red or blue and airplane serial number.
B - When ordering specify color red, blue or rose and airplane serial number.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
15-22	18110-00		BLANKET - Instrument panel, top trim, brown	1	23-1 to 23-375 inclusive
	18110-02		BLANKET - Instrument panel, top trim, black	1	23-376 to 23-746 inclusive
	18110-03		BLANKET - Instrument panel, top trim, black	1	23-747 to 23-1163 inclusive
-23	17965-00		LOOP ASSEMBLY - Assist, brown	2	23-1 to 23-375 inclusive
	17965-02		LOOP ASSEMBLY - Assist, black	2	23-376 to 23-746 inclusive
	17965-03		LOOP ASSEMBLY - Assist, black	2	23-747 to 23-1163 inclusive
-24	18348-00		COVER ASSEMBLY - Cockpit light, brown	2	23-1 to 23-375 inclusive
	18348-06		COVER ASSEMBLY - Cockpit light, gray	1	23-376 to 23-1163 inclusive
-25	17590-00		PANEL ASSEMBLY - Cockpit side trim, left, brown	1	23-1 to 23-375 inclusive
	17590-01		PANEL ASSEMBLY - Cockpit side trim, right, brown	1	23-1 to 23-375 inclusive
	17590-08		PANEL ASSEMBLY - Cockpit side trim, left, gray	1	23-376 to 23-739 inclusive
	17590-09		PANEL ASSEMBLY - Cockpit side trim, right, gray	1	23-376 to 23-739 inclusive
	17590-14		PANEL ASSEMBLY - Cockpit side trim, left dark gray	1	23-740 to 23-1163 inclusive
	17590-15		PANEL ASSEMBLY - Cockpit side trim, right, dark gray	1	23-740 to 23-1163 inclusive
-26	18175-02		REST ASSEMBLY - Front arm, brown	1	23-1 to 23-375 inclusive
	14260-07		REST ASSEMBLY - Front arm, red	1	23-376 to 23-746 inclusive
	14260-09		REST ASSEMBLY - Front arm, blue	1	23-376 to 23-746 inclusive
	14260-11		REST ASSEMBLY - Front arm, red	1	23-747 to 23-1163 inclusive
	14260-13		REST ASSEMBLY - Front arm, blue	1	23-747 to 23-1163 inclusive
	14260-15		REST ASSEMBLY - Front arm, rose	1	23-747 to 23-1163 inclusive
-27	18032-00		PANEL ASSEMBLY - Cockpit, left side trim, light brown	1	23-1 to 23-54 inclusive and 23-56 to 23-96 inclusive
	18031-00		PANEL ASSEMBLY - Cockpit, right side trim, light brown	1	23-1 to 23-54 inclusive and 23-56 to 23-96 inclusive
	18032-13		PANEL ASSEMBLY - Cockpit, left side trim, dark brown	1	23-55, 23-97 to 23-375 inclusive
	18031-10		PANEL ASSEMBLY - Cockpit, right side trim, dark brown	1	23-55, 23-97 to 23-375 inclusive
	18901-02	A	PANEL ASSEMBLY - Cockpit, left side trim	1	23-376 to 23-739 inclusive
	18910-02	A	PANEL ASSEMBLY - Cockpit, right side trim	1	23-376 to 23-739 inclusive
	18901-18	B	PANEL ASSEMBLY - Cockpit, left side trim	1	23-740 to 23-1163 inclusive
	18910-13	B	PANEL ASSEMBLY - Cockpit, right side trim	1	23-740 to 23-1163 inclusive
-28	454 889		CLIP - Mike (left side only)	1	
-29	13614-00		ENVELOPE - Airworthiness certificate (left side only)	1	23-1 to 23-375 inclusive
-30	484 385		RETAINER - Ash box	1	
-31	453 141		BOX - Ash	1	
-32	13950-00		PANEL - Ash box	1	
-33	471 051		KNOB - Ash box, brown	1	23-1 to 23-375 inclusive
	18875-06		KNOB - Ash box, black	1	23-376 to 23-1163 inclusive
-34	17587-00		PANEL ASSEMBLY - Cockpit side trim, left, bottom, brown	1	23-1 to 23-375 inclusive
	17587-01		PANEL ASSEMBLY - Cockpit side trim, right, bottom, brown	1	23-1 to 23-375 inclusive
	17587-08		PANEL ASSEMBLY - Cockpit side trim, left, bottom, gray	1	23-370 to 23-739 inclusive
	17587-07		PANEL ASSEMBLY - Cockpit side trim, right, bottom, gray	1	23-370 to 23-739 inclusive
	17587-14		PANEL ASSEMBLY - Cockpit side trim, left, bottom, dark gray	1	23-740 to 23-1163 inclusive
	17587-13		PANEL ASSEMBLY - Cockpit side trim, right, bottom, dark gray	1	23-740 to 23-1163 inclusive
-35	18147-00		PLATE ASSEMBLY - Headlining forward trim, brown	1	23-1 to 23-375 inclusive
	18147-05		PLATE ASSEMBLY - Headlining forward trim, gray	1	23-376 to 23-1163 inclusive

A - When ordering, specify color red, blue or rose and airplane serial number.
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When ordering, always specify Part Number, Description and Serial Number of Aircraft



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
15-36	17853-00		PLATE ASSEMBLY - Instrument panel trim, left, brown	1	23-1 to 23-375 inclusive
	17853-01		PLATE ASSEMBLY - Instrument panel trim, right, brown	1	23-1 to 23-375 inclusive
	17853-06		PLATE ASSEMBLY - Instrument panel trim, left, red	1	23-376 to 23-1163 inclusive
	17853-07		PLATE ASSEMBLY - Instrument panel trim, right, red	1	23-376 to 23-1163 inclusive
	17853-10		PLATE ASSEMBLY - Instrument panel trim, left, blue	1	23-376 to 23-1163 inclusive
	17853-11		PLATE ASSEMBLY - Instrument panel trim, right, blue	1	23-376 to 23-1163 inclusive
	17853-14		PLATE ASSEMBLY - Instrument panel trim, left, rose	1	23-747 to 23-1163 inclusive
	17853-15		PLATE ASSEMBLY - Instrument panel trim, right, rose	1	23-747 to 23-1163 inclusive
-37	18482-00		PANEL - Cockpit front end left side trim, brown	1	23-1 to 23-375 inclusive
	18482-05	A	PANEL - Cockpit front left side trim	1	23-376 to 23-1163 inclusive
-38	18030-00		PANEL ASSEMBLY - Cockpit side trim, left, rear, light brown	1	23-1 to 23-54 inclusive and 23-56 to 23-96 inclusive
	18030-11		PANEL ASSEMBLY - Cockpit side trim, right, rear, light brown	1	23-1 to 23-54 inclusive and 23-56 to 23-96 inclusive
	18030-16		PANEL ASSEMBLY - Cockpit side trim, left, rear, dark brown	1	23-55, 23-97 to 23-375 inclusive
	18030-18		PANEL ASSEMBLY - Cockpit side trim, right, rear, dark brown	1	23-55, 23-97 to 23-375 inclusive
	18922-02	B	PANEL ASSEMBLY - Cockpit side trim, left, rear	1	23-376 to 23-739 inclusive
	18922-03	B	PANEL ASSEMBLY - Cockpit side trim, right, rear	1	23-376 to 23-739 inclusive
	18922-22	A	PANEL ASSEMBLY - Cockpit side trim, left, rear	1	23-740 to 23-1163 inclusive
	18922-23	A	PANEL ASSEMBLY - Cockpit side trim, right, rear	1	23-740 to 23-1163 inclusive
-39	18172-00		REST ASSEMBLY - Arm, rear seat, left, brown	1	23-1 to 23-375 inclusive
	18172-01		REST ASSEMBLY - Arm, rear seat, right, brown	1	23-1 to 23-375 inclusive
	18914-02		REST ASSEMBLY - Arm, rear seat, left, red	1	23-376 to 23-1163 inclusive
	18914-03		REST ASSEMBLY - Arm, rear seat, right, red	1	23-376 to 23-1163 inclusive
	18914-04		REST ASSEMBLY - Arm, rear seat, left, blue	1	23-376 to 23-1163 inclusive
	18914-05		REST ASSEMBLY - Arm, rear seat, right, blue	1	23-376 to 23-1163 inclusive
	18914-14		REST ASSEMBLY - Arm, rear seat, left, rose	1	23-747 to 23-1163 inclusive
	18914-15		REST ASSEMBLY - Arm, rear seat, right, rose	1	23-747 to 23-1163 inclusive
-40	484 385		RETAINER - Ash box	1	
-41	453 141		BOX - Ash	1	
-42	13950-00		PANEL - Ash box	1	
-43	471 051		KNOB - Ash box, brown	1	23-1 to 23-375 inclusive
	18875-06		KNOB - Ash box, black	1	23-376 to 23-1163 inclusive
-44	18458-00		PANEL ASSEMBLY - Cockpit forward trim, brown	1	23-1 to 23-375 inclusive
	18830-00		PANEL ASSEMBLY - Cockpit forward trim, black	1	23-376 to 23-746 inclusive
	18830-08		PANEL ASSEMBLY - Cockpit forward trim, black	1	23-747 to 23-1163 inclusive
-45	181 232		INSULATION - Fiberglas (per square yard)	2	
-46	17562-01		PLATE - Aileron pulley cover, right	1	
	17562-00		PLATE - Aileron pulley cover, left	1	
-47	454 886		CLAMP - Tinnerman (A48865-10-24)	1	
-48	18133-00		SILL - Door	1	23-1 to 23-746 inclusive
	18133-02		SILL - Door	1	23-747 to 23-1163 inclusive
-49	18152-00		PLATE ASSEMBLY - Headlining trim, brown	1	23-1 to 23-375 inclusive
	18152-04		PLATE ASSEMBLY - Headlining trim, gray	1	23-376 to 23-1163 inclusive
-50	18237-02		STRIP ASSEMBLY - Weather, brown	1	23-1 to 23-375 inclusive
	18237-05		STRIP ASSEMBLY - Weather, black	1	23-376 to 23-1163 inclusive
-51	18018-07		MOULDING - Right center post, brown	1	23-1 to 23-375 inclusive
	18854-07		MOULDING - Right center post, black	1	23-376 to 23-1163 inclusive

A - When ordering, specify color red, blue or rose and airplane serial number.
B - When ordering, specify color red or blue and airplane serial number.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
15-52	18018-08		MOULDING - Right rear window, brown	1	23-1 to 23-375 inclusive
	18854-08		MOULDING - Right rear window, black	1	23-376 to 23-1163 inclusive
-53	18018-09		MOULDING - Right windshield post, brown	1	23-1 to 23-375 inclusive
	18854-09		MOULDING - Right windshield post, black	1	23-376 to 23-1163 inclusive
-54	18465-00		STRIP - Weatherstrip attachment	2	
-55	18403-02		STRAP ASSEMBLY - Tow bar tie down	1	23-1 to 23-429 inclusive
-56	18403-03		STRAP ASSEMBLY - Tow bar tie down	2	23-1 to 23-429 inclusive
-57	18671-00		SILL - Baggage compartment door	1	23-1 to 23-746 inclusive
	18671-02		SILL - Baggage compartment door	1	23-747 to 23-1163 inclusive
-58	18994-00		BAR ASSEMBLY - Tow	1	23-430 to 23-1163 inclusive
-59	14476-05		STRAP - Tow bar attachment, top	2	23-430 to 23-1163 inclusive
-60	14175-45		BUSHING	2	
-61	80122-07		WASHER	2	
-62	17868-00		PLATE - Floorboard	3	
-63	17867-00		PLATE - Floorboard access	1	
-64	18653-00		COVER ASSEMBLY - Flap sending unit, door	1	23-180 to 23-1163 inclusive
-65	17872-03		STRAP ASSEMBLY - Baggage tie down, brown	2	23-1 to 23-375 inclusive
	17872-05		STRAP ASSEMBLY - Baggage tie down, black	2	23-376 to 23-1163 inclusive
-66	17491-00		FLOORBOARD ASSEMBLY - Rear (baggage)	1	23-1 to 23-375 inclusive
	18879-00		FLOORBOARD ASSEMBLY - Rear (baggage)	1	23-376 to 23-1163 inclusive
-67	17490-00		FLOORBOARD ASSEMBLY - Center	1	23-1 to 23-375 inclusive
	18898-00		FLOORBOARD ASSEMBLY - Center	1	23-376 to 23-1163 inclusive
-68	17489-00		FLOORBOARD ASSEMBLY - Front	1	23-1 to 23-375 inclusive
	17489-07		FLOORBOARD ASSEMBLY - Front	1	23-376 and up
-69	17743-04		CARPET - Floor, rear, brown	1	23-1 to 23-375 inclusive
	18924-04		CARPET - Floor, rear, gray	1	23-376 to 23-739 inclusive
	18924-08		CARPET - Floor, rear, dark gray	1	23-740 to 23-1163 inclusive
-70	17743-03		CARPET - Floor, front spar cover, brown	1	23-1 to 23-375 inclusive
	18924-03		CARPET - Floor, front spar cover, gray	1	23-376 to 23-739 inclusive
	18924-07		CARPET - Floor, front spar cover, dark gray	1	23-740 to 23-1163 inclusive
-71	17743-02		CARPET - Front, floor, brown	1	23-1 to 23-375 inclusive
	18924-02		CARPET - Floor, front, gray	1	23-376 to 23-739 inclusive
	18924-06		CARPET - Floor, front, dark gray	1	23-740 to 23-1163 inclusive
-72	18314-00		PLATE - Heel	2	
-73	17924-00		LINK - Seat bracket stiffener	4	
-74	17925-00		BLOCK - Spar cover spacer	2	23-1 to 23-1151 inclusive
	17925-03		BLOCK - Spar cover spacer	2	23-1152 to 23-1163 inclusive
-75	17923-01		CHANNEL - Floor and seat track support, right	1	
	17923-00		CHANNEL - Floor and seat track support, left	1	
-76	17930-00		COVER ASSEMBLY - Front spar	1	23-1 to 23-375 inclusive
	17930-08		COVER ASSEMBLY - Front spar	1	23-376 to 23-1163 inclusive
-77	17560-00		PLATE - Right front floor	1	
-78	17922-02	A	TRACK - Seat outboard	2	23-1 to 23-600 inclusive
	17922-04		TRACK - Seat outboard	2	23-601 to 23-1163 inclusive
-79	17922-03	A	TRACK - Seat inboard	2	23-1 to 23-600 inclusive
	17922-05		TRACK - Seat inboard	2	23-601 to 23-1163 inclusive

A - Use 17922-04 (outer) or 17922-05 (inner) track when fifth seat or reclining seat installation was made at factory - serial numbers 23-485 to 23-600.

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

FLOORBOARD AND COCKPIT
FINISHING INSTALLATION
(Serial Nos. 23-1 to 23-1163 incl.)



SECTION II
Fuselage Group

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
15-80	17559-00		PLATE - Center front floor	1	23-1 to 23-429 inclusive
-81	17561-00		PLATE - Front floor trim	1	
-82	17558-00		PLATE - Left front floor	1	
-83	17971-01		CHANNEL ASSEMBLY - Floorboard support, right	1	
	17971-00		CHANNEL ASSEMBLY - Floorboard support, left	1	
-84	18318-00		STOP - Seat	4	
-85	17865-00		BAR ASSEMBLY - Tow	1	

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

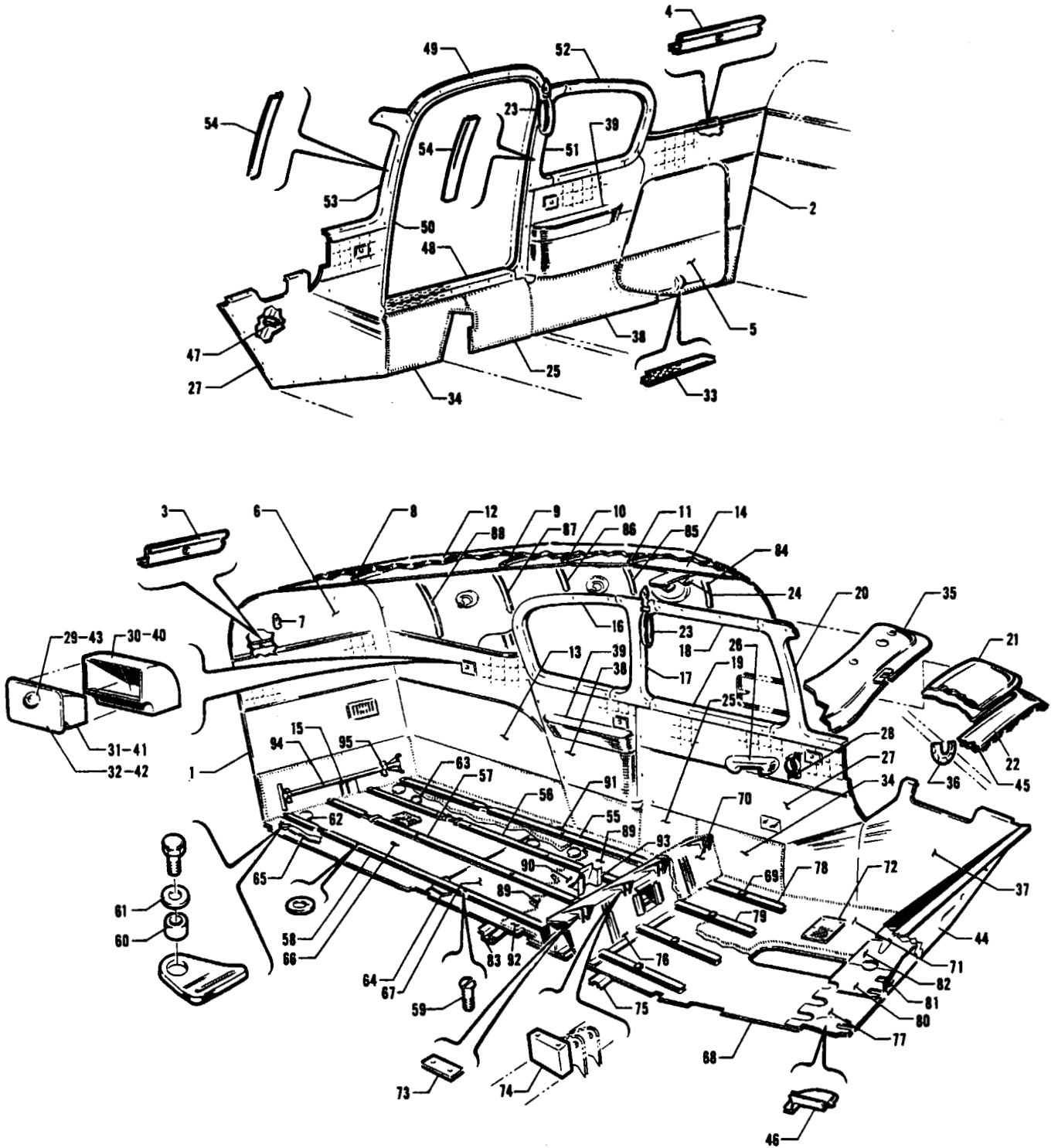


Figure 16. Floorboard and Cockpit Installation
(Serial Nos. 23-1164 to 23-1870 inclusive)



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
16-	18854		DRAWING - Cockpit Finishing Installation	1	23-1164 to 23-1501 inclusive
	19593		DRAWING - Cockpit Finishing Installation	1	23-1502 to 23-1870 inclusive
	18925		DRAWING - Floorboard Installation	1	
-1	19424-02	A	PANEL - Baggage compartment, rear	1	23-1164 to 23-1173 inclusive
	19424-16	A	PANEL - Baggage compartment, rear	1	23-1174 to 23-1501 inclusive
	19480-05	B	PANEL - Baggage compartment, rear	1	23-1502 to 23-1870 inclusive
-2	19415-02	A	PANEL - Baggage compartment, right side	1	23-1164 to 23-1173 inclusive
	19415-15	A	PANEL - Baggage compartment, right side	1	23-1174 to 23-1501 inclusive
	19415-20	B	PANEL - Baggage compartment, right side	1	23-1502 to 23-1870 inclusive
-3	18179-00		ANGLE - Baggage compartment	1	
-4	18174-01		ANGLE - Baggage compartment trim, right	1	
	18174-00		ANGLE - Baggage compartment trim, left	1	
-5	18931-17	A	PANEL ASSEMBLY - Baggage door	1	23-1164 to 23-1173 inclusive
	18931-20	A	PANEL ASSEMBLY - Baggage door	1	23-1174 to 23-1501 inclusive
	18931-32	B	PANEL ASSEMBLY - Baggage door	1	23-1502 to 23-1870 inclusive
-6	17552-05		PANEL ASSEMBLY - Rear cabin, gray	1	23-1164 to 23-1196 inclusive
	19428-00		PANEL ASSEMBLY - Rear cabin, gray	1	23-1502 to 23-1870 inclusive
-7	465 176		HOLDER - Hat (#205)	1	
-8	17896-05		ARCH - Headlining	1	23-1164 to 23-1501 inclusive
-9	17896-04		ARCH - Headlining	1	23-1164 to 23-1501 inclusive
-10	17896-03		ARCH - Headlining	1	23-1164 to 23-1502 inclusive
-11	17896-02		ARCH - Headlining	1	23-1164 to 23-1502 inclusive
-12	181 231		INSULATION - Fiberglas (per square yard)	35	
-13	19419-05	A	PANEL - Baggage compartment, left side	1	23-1164 to 23-1173 inclusive
	19419-02	A	PANEL - Baggage compartment, left side	1	23-1174 to 23-1501 inclusive
	19420-20	B	PANEL - Baggage compartment, left side, red	1	23-1502 to 23-1870 inclusive
-14	18091-15		HEADLINING ASSEMBLY - Gray	1	23-1164 to 23-1196 inclusive
	18091-29		HEADLINING ASSEMBLY - Gray	1	23-1197 to 23-1501 inclusive
	19594-00		HEADLINING ASSEMBLY - Gray	1	23-1502 to 23-1870 inclusive
-15	19057-11		PLATE ASSEMBLY - Cover, dark gray	1	23-1164 to 23-1173 inclusive
	19057-09		PLATE ASSEMBLY - Cover, dark gray	1	23-1174 to 23-1870 inclusive
-16	18854-02		MOULDING - Left rear window, black	1	23-1164 to 23-1309 inclusive
	18854-10		MOULDING - Left rear window, black	1	23-1310 to 23-1870 inclusive
-17	18854-03		MOULDING - Left center post, black	1	23-1164 to 23-1309 inclusive
	18854-11		MOULDING - Left center post, black	1	23-1310 to 23-1870 inclusive
-18	18854-04		MOULDING - Left front window, top, black	1	23-1164 to 23-1309 inclusive
	18854-12		MOULDING - Left front window, top, black	1	23-1310 to 23-1870 inclusive
-19	18854-05		MOULDING - Left front window, bottom, black	1	23-1164 to 23-1309 inclusive
	18854-13		MOULDING - Left front window, bottom, black	1	23-1310 to 23-1870 inclusive
-20	18854-06		MOULDING - Left windshield post, black	1	23-1164 to 23-1309 inclusive
	18854-14		MOULDING - Left windshield post, black	1	23-1310 to 23-1870 inclusive
-21	18882-03		PANEL ASSEMBLY - Instrument access trim, black	1	23-1164 to 23-1501 inclusive
	19649-00		PANEL ASSEMBLY - Instrument access trim, black	1	23-1502 to 23-1870 inclusive
-22	18110-03		BLANKET - Instrument panel, top trim, black	1	23-1164 to 23-1501 inclusive
	19609-00		BLANKET - Instrument panel, top trim, black	1	23-1502 to 23-1870 inclusive
-23	17965-04		LOOP ASSEMBLY - Assist, black	2	

A - When ordering, specify color red, blue or brown and airplane serial number.
B - When ordering, specify color red, blue, brown or green and airplane serial number.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
16-24	18348-06		COVER ASSEMBLY - Cockpit light, gray	1	23-1164 to 23-1196 inclusive
	18348-10		COVER ASSEMBLY - Cockpit light, gray	1	23-1197 to 23-1501 inclusive
	18348-12		COVER ASSEMBLY - Cockpit light, gray	1	23-1502 to 23-1870 inclusive
-25	17590-23		PANEL ASSEMBLY - Cockpit side trim, left, dark gray	1	23-1164 to 23-1173 inclusive
	17590-22		PANEL ASSEMBLY - Cockpit side trim, right, dark gray	1	23-1164 to 23-1173 inclusive
	17590-18		PANEL ASSEMBLY - Cockpit side trim, left, dark gray	1	23-1174 to 23-1501 inclusive
	17590-19		PANEL ASSEMBLY - Cockpit side trim, right, dark gray	1	23-1174 to 23-1501 inclusive
	17590-26		PANEL ASSEMBLY - Cockpit side trim, left, dark gray	1	23-1502 to 23-1870 inclusive
	17590-27		PANEL ASSEMBLY - Cockpit side trim, right, dark gray	1	23-1502 to 23-1870 inclusive
-26	14260-11		REST ASSEMBLY - Front arm, red	1	23-1164 to 23-1196 inclusive
	14260-13		REST ASSEMBLY - Front arm, blue	1	23-1164 to 23-1196 inclusive
	14260-21		REST ASSEMBLY - Front arm, red	1	23-1197 to 23-1870 inclusive
	14260-23		REST ASSEMBLY - Front arm, blue	1	23-1197 to 23-1870 inclusive
	14260-25		REST ASSEMBLY - Front arm, brown	1	23-1197 to 23-1870 inclusive
	14260-37		REST ASSEMBLY - Front arm, green	1	23-1502 to 23-1870 inclusive
-27	19421-02	A	PANEL ASSEMBLY - Cockpit, left side trim	1	23-1164 to 23-1501 inclusive
	19425-02	A	PANEL ASSEMBLY - Cockpit, right side trim	1	23-1164 to 23-1501 inclusive
	19421-25	A	PANEL ASSEMBLY - Cockpit, left side trim	1	23-1502 to 23-1870 inclusive
	19425-19	A	PANEL ASSEMBLY - Cockpit, right side trim	1	23-1502 to 23-1870 inclusive
-28	454 889		CLIP - Microphone (used with Telephonics Mike RS-38A)	1	
	453 415		BRACKET - Microphone (used with Telex Mike 66C)	1	
-29	18875-06		KNOB - Ash box, black	1	
-30	484 385		RETAINER - Ash box	1	
-31	453 141		BOX - Ash	1	
-32	13950-00		PANEL - Ash box	1	
-33	18671-02		SILL - Baggage compartment door	1	
-34	17587-22		PANEL ASSEMBLY - Cockpit side trim, left, bottom, dark gray	1	23-1164 to 23-1173 inclusive
	17587-23		PANEL ASSEMBLY - Cockpit side trim, right, bottom, dark gray	1	23-1164 to 23-1173 inclusive
	17587-19		PANEL ASSEMBLY - Cockpit side trim, left, bottom, dark gray	1	23-1174 to 23-1501 inclusive
	17587-18		PANEL ASSEMBLY - Cockpit side trim, right, bottom, dark gray	1	23-1174 to 23-1501 inclusive
	17587-26		PANEL ASSEMBLY - Cockpit side trim, left, bottom, dark gray	1	23-1502 to 23-1870 inclusive
	17587-27		PANEL ASSEMBLY - Cockpit side trim, right, bottom, dark gray	1	23-1502 to 23-1870 inclusive
-35	18147-05		PLATE ASSEMBLY - Headlining, forward trim, gray	1	23-1164 to 23-1196 inclusive
	18147-10		PLATE ASSEMBLY - Headlining, forward trim, gray	1	23-1197 to 23-1870 inclusive
	18147-21		PLATE ASSEMBLY - Headlining, forward trim, gray	1	23-1502 to 23-1870 inclusive
-36	17853-18		PLATE ASSEMBLY - Instrument panel trim, left, red	1	
	17853-19		PLATE ASSEMBLY - Instrument panel trim, right, red	1	
	17853-22		PLATE ASSEMBLY - Instrument panel trim, left, blue	1	
	17853-23		PLATE ASSEMBLY - Instrument panel trim, right, blue	1	
	17853-26		PLATE ASSEMBLY - Instrument panel trim, left, brown	1	
	17853-27		PLATE ASSEMBLY - Instrument panel trim, right, brown	1	
	17853-30		PLATE ASSEMBLY - Instrument panel trim, left, green	1	23-1502 to 23-1870 inclusive
	17853-31		PLATE ASSEMBLY - Instrument panel trim, right, green	1	23-1502 to 23-1870 inclusive
-37	18482-11	A	PANEL - Cockpit front left side trim	1	

A - When ordering, specify color red, blue, brown or green and airplane serial number.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
16-38	19418-02	B	PANEL ASSEMBLY - Cockpit side trim, left, rear	1	23-1164 to 23-1173 inclusive
	19418-03	B	PANEL ASSEMBLY - Cockpit side trim, right, rear	1	23-1164 to 23-1173 inclusive
	19418-22	B	PANEL ASSEMBLY - Cockpit side trim, left, rear	1	23-1174 to 23-1501 inclusive
	19418-23	B	PANEL ASSEMBLY - Cockpit side trim, right, rear	1	23-1174 to 23-1501 inclusive
	19418-38	B	PANEL ASSEMBLY - Cockpit side trim, left, rear	1	23-1502 to 23-1870 inclusive
	19418-39	B	PANEL ASSEMBLY - Cockpit side trim, right, rear	1	23-1502 to 23-1870 inclusive
-39	18914-22		REST ASSEMBLY - Arm, rear seat, left, red	1	
	18914-23		REST ASSEMBLY - Arm, rear seat, right, red	1	
	18914-24		REST ASSEMBLY - Arm, rear seat, left, blue	1	
	18914-25		REST ASSEMBLY - Arm, rear seat, right, blue	1	
	18914-26		REST ASSEMBLY - Arm, rear seat, left, brown	1	
	18914-27		REST ASSEMBLY - Arm, rear seat, right, brown	1	
	18914-42		REST ASSEMBLY - Arm, rear seat, left, green	1	23-1502 to 23-1870 inclusive
	18914-41		REST ASSEMBLY - Arm, rear seat, right, green	1	23-1502 to 23-1870 inclusive
-40	484 385		RETAINER - Ash box	1	
-41	453 141		BOX - Ash	1	
-42	13950-00		PANEL - Ash box	1	
-43	471 051		KNOB - Ash box, black	1	
-44	18830-08		PANEL ASSEMBLY - Cockpit forward trim, black	1	
-45	181 232		INSULATION - Fiberglas (per square yard)	2	
-46	17562-01		PLATE - Aileron pulley cover, right	1	
	17562-00		PLATE - Aileron pulley cover, left	1	
-47	454 886		CLAMP - Tinnerman (A48865-10-24)	1	
-48	18133-02		SILL - Door	1	
-49	18152-04		PLATE ASSEMBLY - Headlining trim, gray	1	23-1164 to 23-1196 inclusive
	18152-08		PLATE ASSEMBLY - Headlining trim, gray	1	23-1197 to 23-1501 inclusive
	18152-10		PLATE ASSEMBLY - Headlining trim, gray	1	23-1502 and up
-50	18237-17		STRIP ASSEMBLY - Weather, black	1	
-51	18854-07		MOULDING - Right, center post, black	1	23-1164 to 23-1309 inclusive
	18854-15		MOULDING - Right, center post, black	1	23-1310 to 23-1870 inclusive
-52	18854-08		MOULDING - Right rear window, black	1	23-1164 to 23-1309 inclusive
	18854-16		MOULDING - Right rear window, black	1	23-1310 to 23-1870 inclusive
-53	18854-09		MOULDING - Right windshield post, black	1	23-1164 to 23-1309 inclusive
	18854-17		MOULDING - Right windshield post, black	1	23-1310 to 23-1870 inclusive
-54	18465-00		STRIP - Westher strip attachment	2	
-55	18779-06	A	TRACK - Seat, left, outboard	1	
-56	18779-07	A	TRACK - Seat, left, inboard	1	
-57	18779-08	A	TRACK - Seat, right, inboard	1	
-58	18779-09	A	TRACK - Seat, right, outboard	1	
-59	410 044	A	SCREW - (AN509-10R-15)	20	
-60	14175-145		BUSHING	2	
-61	80122-07		WASHER	2	
-62	17868-00		PLATE - Floorboard	4	
-63	17867-00		PLATE - Floorboard, access	1	
-64	18653-00		COVER ASSEMBLY - Flap sending unit, door	1	
-65	17872-05		STRAP ASSEMBLY - Baggage tie down, black	1	
-66	18879-00		FLOORBOARD ASSEMBLY - Rear (Baggage)	1	
-67	18898-05		FLOORBOARD ASSEMBLY - Center	1	
-68	17489-07		FLOORBOARD ASSEMBLY - Front	1	
-69	18318-00		STOP - Seat	4	

A - Also used when fifth seat is installed.
B - When ordering, specify color red, blue, brown or green and airplane serial number.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
16-70	18924-15		CARPET - Floor, front spar cover, dark gray	1	23-1164 to 23-1173 inclusive
	18924-12		CARPET - Floor, front spar cover, dark gray	1	23-1174 to 23-1501 inclusive
	19602-04		CARPET - Floor, front spar cover, dark gray	1	23-1502 to 23-1870 inclusive
-71	18924-13		CARPET - Floor, front, dark gray	1	23-1164 to 23-1173 inclusive
	18924-10		CARPET - Floor, front, dark gray	1	23-1174 to 23-1501 inclusive
	19602-02		CARPET - Floor, front, dark gray	1	23-1502 to 23-1870 inclusive
-72	18314-00		PLATE - Heel	2	
-73	17924-00		LINK - Seat bracket stiffener	4	
-74	17925-03		BLOCK - Spar cover spacer	2	
-75	17923-01		CHANNEL - Floor and seat track support, right	1	
	17923-00		CHANNEL - Floor and seat track support, left	1	
-76	19619-00		COVER ASSEMBLY - Front spar	1	
-77	17560-00		PLATE - Right front floor	1	
-78	17922-04		TRACK - Seat, outboard	2	
-79	17922-05		TRACK - Seat, inboard	2	
-80	17559-00		PLATE - Center, front floor	1	
-81	17561-00		PLATE - Front floor trim	1	
-82	17558-00		PLATE - Left front floor	1	
-83	17971-01		CHANNEL ASSEMBLY - Floorboard support, right	1	
	17971-00		CHANNEL ASSEMBLY - Floorboard support, left	1	
-84	20663-03		TRIMSTRIP - Headlining, Sta. 95	1	23-1502 to 23-1870 inclusive
-85	20663-04		TRIMSTRIP - Headlining, Sta. 110	1	23-1502 to 23-1870 inclusive
-86	20663-05		TRIMSTRIP - Headlining, Sta. 125	1	23-1502 to 23-1870 inclusive
-87	20663-06		TRIMSTRIP - Headlining, Sta. 141	1	23-1502 to 23-1870 inclusive
-88	20663-07		TRIMSTRIP - Headlining, Sta. 153	1	23-1502 to 23-1870 inclusive
-89	18917-18		CARPET - Rear inboard, dark gray	2	23-1164 to 23-1173 inclusive
	18917-14		CARPET - Rear inboard, dark gray	2	23-1174 to 23-1501 inclusive
	18917-22		CARPET - Rear inboard, dark gray	1	23-1502 to 23-1870 inclusive
-90	18917-19		CARPET - Rear center, dark gray	1	23-1164 to 23-1173 inclusive
	18917-15		CARPET - Rear center, dark gray	1	23-1174 to 23-1501 inclusive
	18917-23		CARPET - Rear center, dark gray	1	23-1502 to 23-1870 inclusive
-91	18917-20		CARPET - Rear left outboard, dark gray	1	23-1164 to 23-1173 inclusive
	18917-16		CARPET - Rear left outboard, dark gray	1	23-1174 to 23-1501 inclusive
	18917-24		CARPET - Rear left outboard, dark gray	1	23-1502 to 23-1870 inclusive
-92	18917-21		CARPET - Rear right outboard, dark gray	1	23-1164 to 23-1173 inclusive
	18917-17		CARPET - Rear right outboard, dark gray	1	23-1174 to 23-1501 inclusive
	18917-25		CARPET - Rear right outboard, dark gray	1	23-1502 to 23-1870 inclusive
-93	19436-00		PLATE ASSEMBLY - Spar cover	1	23-1164 to 23-1501 inclusive
	19436-04		PLATE ASSEMBLY - Spar cover	1	23-1502 to 23-1870 inclusive
-94	18994-00		BAR ASSEMBLY - Tow	1	
-95	14476-05		STRAP - Tow bar attachment, top	2	

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

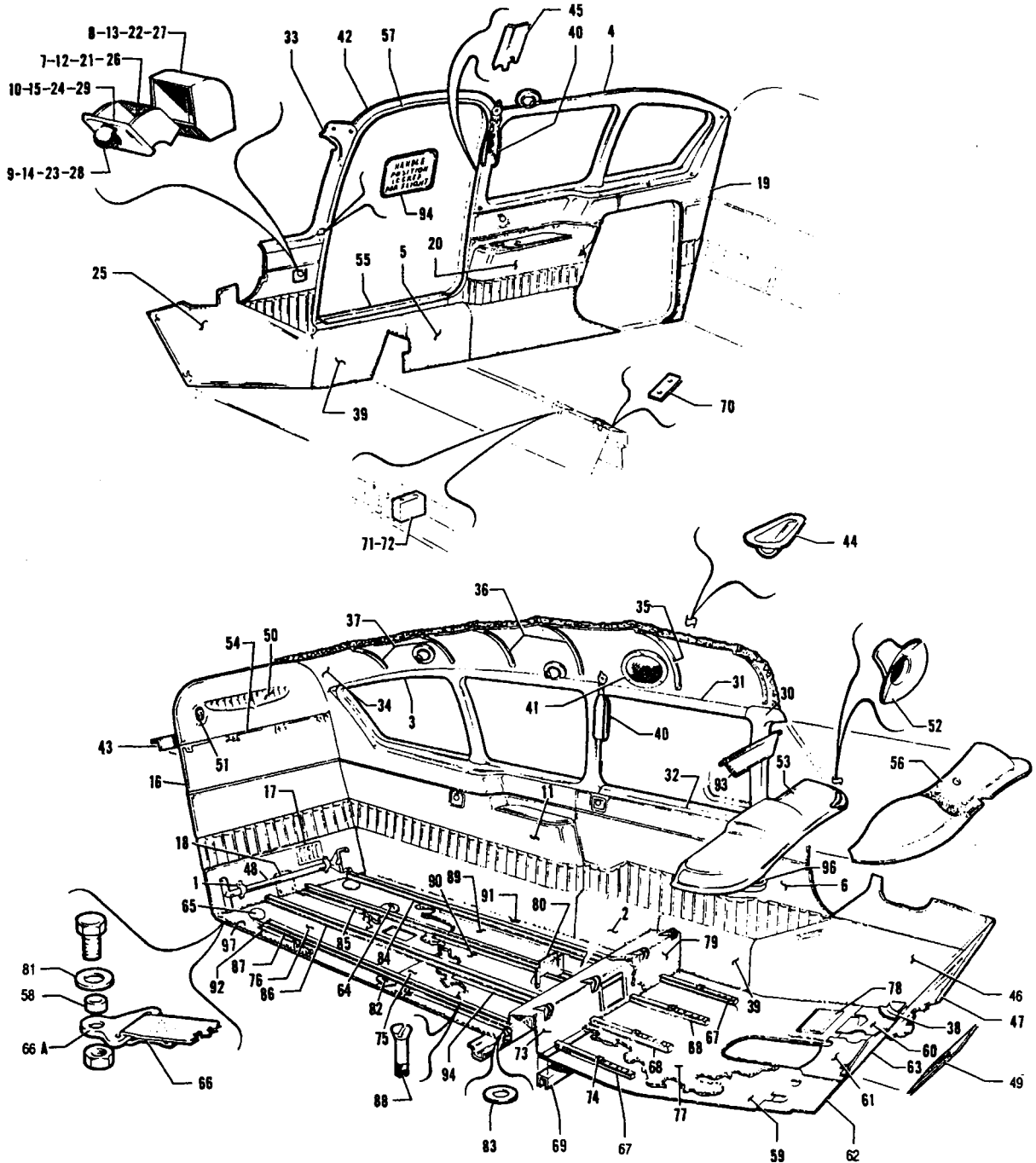


Figure 17. Floorboard and Cockpit Installation
(Serial Nos. 23-1871 and up)



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
17-	19720 16529 18925 19970 16500		DRAWING - Finishing Installation Cockpit DRAWING - Headlining Installation DRAWING - Floorboard Installation DRAWING - Floorboard Installation DRAWING - Finishing Installation Cockpit		23-1 to 23-1907 inclusive 23-1871 to 23-2012 inclusive 23-2013 and up 23-1908 and up
-1	14476-05		STRAP ASSEMBLY - Tow bar tie down	2	
-2	16911-02 16911-12 16911-20	A A B	PANEL ASSEMBLY - Cockpit left side trim PANEL ASSEMBLY - Cockpit left side trim PANEL ASSEMBLY - Cockpit left side trim	1 1 1	23-1871 to 23-1907 inclusive 23-1908 to 23-2012 inclusive 23-2013 and up
-3	16445-00 16445-02 16445-03 16445-04		MOULDING - Rear window, left, gray MOULDING - Rear window, left, light charcoal MOULDING - Rear window, left, dark green MOULDING - Rear window, left, dark brown	1 1 1 1	23-1871 to 23-2012 inclusive 23-2013 and up 23-2013 and up 23-2013 and up
-4	16446-00 16446-02 16446-03 16446-04		MOULDING - Rear window, right, gray MOULDING - Rear window, right, light charcoal MOULDING - Rear window, right, green MOULDING - Rear window, right, brown	1 1 1 1	23-1871 to 23-2012 inclusive 23-2013 and up 23-2013 and up 23-2013 and up
-5	16916-02 16916-12 16916-20	A A B	PANEL ASSEMBLY - Right side trim PANEL ASSEMBLY - Right side trim PANEL ASSEMBLY - Right side trim	1 1 1	23-1871 to 23-1907 inclusive 23-1908 to 23-2012 inclusive 23-2013 and up
-6	19728-02 16520-02 19960-02	A A B	PANEL ASSEMBLY - Left side trim PANEL ASSEMBLY - Left side trim PANEL ASSEMBLY - Left side trim	1 1 1	23-1871 to 23-1907 inclusive 23-1908 to 23-2012 inclusive 23-2013 and up
-7	453 141		BOX - Ash	2	
-8	484 385		RETAINER - Ash box	2	
-9	471 075 471 093		KNOB - (#222) Gray KNOB - (#222-6654-13) White	2 2	23-1871 to 23-2012 inclusive 23-2013 and up
-10	13950-00		PANEL - Ash box	2	
-11	19723-02 16522-31 19957-02	A A B	PANEL ASSEMBLY - Baggage compartment, left side PANEL ASSEMBLY - Baggage compartment, left side PANEL ASSEMBLY - Baggage compartment, left side	1 1 1	23-1871 to 23-1907 inclusive 23-1908 to 23-2012 inclusive 23-2013 and up
-12	453 141		BOX - Ash	1	
-13	484 385		RETAINER - Ash box	1	
-14	471 075 471 093		KNOB - (#222) Gray KNOB - (#222-6654-13) White	1 1	23-1871 to 23-2012 inclusive 23-2013 and up
-15	13950-00		PANEL - Ash box	1	
-16	19730-02 16523-27 19956-02	A A B	PANEL ASSEMBLY - Baggage compartment, rear PANEL ASSEMBLY - Baggage compartment, rear PANEL ASSEMBLY - Baggage compartment, rear	1 1 1	23-1871 to 23-1907 inclusive 23-1908 to 23-2012 inclusive 23-2013 and up
-17	12678-00		PLATE - Exhaust grill	1	
-18	19057-15 19057-23 19057-17 19057-24 19057-19 19057-25 19057-21 19057-26 19057-31		PLATE ASSEMBLY - Reinforcement, red PLATE ASSEMBLY - Reinforcement, red PLATE ASSEMBLY - Reinforcement, blue PLATE ASSEMBLY - Reinforcement, blue PLATE ASSEMBLY - Reinforcement, brown PLATE ASSEMBLY - Reinforcement, brown PLATE ASSEMBLY - Reinforcement, green PLATE ASSEMBLY - Reinforcement, green PLATE ASSEMBLY - Reinforcement, green	1 1 1 1 1 1 1 1 1	23-1871 to 23-1967 inclusive 23-1968 to 23-2012 inclusive 23-1871 to 23-1967 inclusive 23-1968 to 23-2012 inclusive 23-1871 to 23-1967 inclusive 23-1968 to 23-2012 inclusive 23-1871 to 23-1967 inclusive 23-1968 to 23-2012 inclusive 23-2013 and up
			A - When ordering, specify color red, blue, brown or green and airplane serial number.		
			B - When ordering, specify color gray, tan or green and airplane serial number.		

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Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
17-19	19719-02	A	PANEL ASSEMBLY - Baggage compartment, right	1	23-1871 to 23-1907 inclusive
	16524-27	A	PANEL ASSEMBLY - Baggage compartment, right	1	23-1908 to 23-2012 inclusive
	19961-02	B	PANEL ASSEMBLY - Baggage compartment, right	1	23-2013 and up
-20	19737-02	A	PANEL ASSEMBLY - Cockpit side trim, right	1	23-1871 to 23-1907 inclusive
	16525-32	A	PANEL ASSEMBLY - Cockpit side trim, right	1	23-1908 to 23-2012 inclusive
	19963-02	B	PANEL ASSEMBLY - Cockpit side trim, right	1	23-2013 and up
-21	453 141		BOX - Ash	1	
-22	484 385		RETAINER - Ash box	1	
-23	471 075		KNOB - (#222) Gray	1	23-1871 to 23-2012 inclusive
	471 093		KNOB - (#222-6654-13) White	1	23-2013 and up
-24	13950-00		PANEL - Ash box	1	
-25	19733-02	A	PANEL ASSEMBLY - Cockpit, front, right side trim	1	23-1871 to 23-1907 inclusive
	16526-02	A	PANEL ASSEMBLY - Cockpit, front, right side trim	1	23-1908 to 23-2012 inclusive
	19966-02	B	PANEL ASSEMBLY - Cockpit, front, right side trim	1	23-2013 and up
-26	453 141		BOX - Ash	1	
-27	484 385		RETAINER - Ash box	1	
-28	471 075		KNOB - (#222) Gray	1	23-1871 to 23-2012 inclusive
	471 093		KNOB - (#222-6654-13) White	1	23-2013 and up
-29	13950-00		PANEL - Ash box	1	
-30	16527-02		MOULDING - Left windshield post, gray	1	23-1871 to 23-2012 inclusive
	16527-06		MOULDING - Left windshield post, light charcoal	1	23-2013 and up
	16527-10		MOULDING - Left windshield post, dark green	1	23-2013 and up
	16527-14		MOULDING - Left windshield post, dark brown	1	23-2013 and up
-31	16527-03		MOULDING - Left window top, gray	1	23-1871 to 23-2012 inclusive
	16527-07		MOULDING - Left window top, light charcoal	1	23-2013 and up
	16527-11		MOULDING - Left window top, dark green	1	23-2013 and up
	16527-15		MOULDING - Left window top, dark brown	1	23-2013 and up
-32	16527-04		MOULDING - Left window bottom, gray	1	23-1871 to 23-2012 inclusive
	16527-08		MOULDING - Left window bottom, light charcoal	1	23-2013 and up
	16527-12		MOULDING - Left window bottom, dark green	1	23-2013 and up
	16527-17		MOULDING - Left window bottom, dark brown	1	23-2013 and up
-33	16527-05		MOULDING - Right windshield post, gray	1	23-1871 to 23-2012 inclusive
	16527-09		MOULDING - Right windshield post, light charcoal	1	23-2013 and up
	16527-13		MOULDING - Right windshield post, dark green	1	23-2013 and up
	16527-18		MOULDING - Right windshield post, dark brown	1	23-2013 and up
-34	16558-00		HEADLINING ASSEMBLY - Gray	1	23-1871 to 23-2012 inclusive
	16558-03		HEADLINING ASSEMBLY - Gray	1	23-2013 and up
	16558-05		HEADLINING ASSEMBLY - White	1	
-35	20663-09		TRIMSTRIP - Headlining	1	
-36	20663-10		TRIMSTRIP - Headlining	2	
-37	20663-11		TRIMSTRIP - Headlining (38")	2	
	19796-00		TRIMSTRIP - Headlining (36")	2	
-38	17562-00		PLATE - Aileron pulley cover, left	1	
	17562-01		PLATE - Aileron pulley cover, right	1	
-39	17587-30	A	PANEL ASSEMBLY - Cockpit trim, left bottom	1	23-1871 to 23-1907 inclusive
	17587-46	A	PANEL ASSEMBLY - Cockpit trim, left bottom	1	23-1908 to 23-2012 inclusive
	17587-62	B	PANEL ASSEMBLY - Cockpit trim, left bottom	1	23-2013 and up
	17587-31	A	PANEL ASSEMBLY - Cockpit trim, right bottom	1	23-1871 to 23-1907 inclusive
	17587-47	A	PANEL ASSEMBLY - Cockpit trim, right bottom	1	23-1908 to 23-2012 inclusive
	17587-63	B	PANEL ASSEMBLY - Cockpit trim, right bottom	1	23-2013 and up

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Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
17-40	17965-05		LOOP ASSEMBLY - Assist	2	23-1871 to 23-2012 inclusive
	19927-02		LOOP ASSEMBLY - Assist, light charcoal	2	23-2013 and up
	19927-03		LOOP ASSEMBLY - Assist, dark brown	2	23-2013 and up
	19927-04		LOOP ASSEMBLY - Assist, dark green	2	23-2013 and up
-41	18004-06		BEZEL ASSEMBLY - Speaker	1	23-1871 to 23-2012 inclusive
	18004-08		BEZEL ASSEMBLY - Speaker	1	23-2013 and up
-42	18152-12		PLATE ASSEMBLY - Headlining trim	1	23-1871 to 23-2012 inclusive
	18152-14		PLATE ASSEMBLY - Headlining trim	1	23-2013 and up
-43	18179-00		ANGLE ASSEMBLY - Baggage compartment, rear	1	23-1871 to 23-2012 inclusive
	19947-00		ANGLE ASSEMBLY - Baggage compartment, rear	1	23-2013 and up
-44	18348-14		COVER ASSEMBLY - Cockpit light	2	23-1871 to 23-2012 inclusive
	19928-02		COVER ASSEMBLY - Cockpit, white	2	23-2013 and up
-45	18465-00		STRIP - Weather trim	2	
-46	18482-27		PANEL ASSEMBLY - Cockpit front left side trim, gray	1	23-1871 to 23-1907 inclusive
	18482-19	A	PANEL ASSEMBLY - Cockpit front left side trim	1	23-1908 to 23-2012 inclusive
	18482-29	B	PANEL ASSEMBLY - Cockpit front left side trim	1	23-2013 and up
-47	18830-10		PANEL ASSEMBLY - Cockpit forward trim	1	
-48	18994-00		BAR ASSEMBLY - Tow	1	
-49	19275-02		PLATE - Cockpit finishing, left	1	
	19275-03		PLATE - Cockpit finishing, right	1	
-50	19722-00		PANEL ASSEMBLY - Rear cabin, gray	1	23-1871 to 23-2012 inclusive
	19955-00		PANEL ASSEMBLY - Rear cabin, gray	1	23-2013 and up
-51	465 176		HOLDER - Hat (#205)	1	
-52	19626-04		BOOT - Instrument panel trim, left, gray	1	23-1871 to 23-2012 inclusive
	19626-06		BOOT - Instrument panel trim, left, black	1	23-2013 and up
	19626-05		BOOT - Instrument panel trim, left, gray	1	23-1871 to 23-2012 inclusive
	19626-07		BOOT - Instrument panel trim, left, black	1	23-2013 and up
-53	19649-00		PANEL ASSEMBLY - Instrument access	1	
-54	20663-11		STRIP - Trim	1	
-55	18133-02		SILL - Door	1	
-56	18147-25		PLATE ASSEMBLY - Headlining, front trim	1	23-1871 to 23-2012 inclusive
	18147-30		PLATE ASSEMBLY - Headlining, front trim	1	23-2013 and up
-57	18237-17		STRIP ASSEMBLY - Weather	1	23-1871 to 23-2012 inclusive
	18237-19		STRIP ASSEMBLY - Weather	1	23-2013 and up
-58	14175-45		BUSHING	2	
-59	19714-00	C	FLOORBOARD ASSEMBLY - Front	1	
	19714-M	D	FLOORBOARD ASSEMBLY - Front	1	
-60	17558-02	C	PLATE - Left front floor	1	
	17558-M	D	PLATE - Left front floor	1	
-61	17559-00		PLATE - Center front floor	1	
-62	17560-02	C	PLATE - Right front floor	1	
	17560-M	D	PLATE - Right front floor	1	
-63	17561-00		PLATE - Front floor trim	1	

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C - Used on PA-23-150, PA-23-160 with serial nos. 23-1 to 23-1976, 23-1978 to 23-1980, 23-1982, 23-1983 and 23-1988 to 23-2043.

D - Used on PA-23-160 with serial nos. 23-1977, 23-1981, 23-1984 to 23-1987 and 23-2044 to 23-2046.

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Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
17-64	17867-00		PLATE - Floorboard access	1	
-65	17868-00		PLATE - Floorboard access	4	
-66	17872-05		STRAP ASSEMBLY - Baggage tie down, complete	2	23-1871 to 23-2012 inclusive
	17871-10		STRAP ASSEMBLY - Baggage tie down, tip end, gray	2	23-2013 and up
	17871-12		STRAP ASSEMBLY - Baggage tie down, tip end, brown	2	23-2013 and up
	17870-08		STRAP ASSEMBLY - Baggage tie down, buckle end, gray	2	23-2013 and up
	17870-10		STRAP ASSEMBLY - Baggage tie down, buckle end, brown	2	23-2013 and up
-66a	17847-00		FITTING - Baggage tie down attachment	1	
-67	17922-04		TRACK - Front seat outboard	2	
-68	17922-05		TRACK - Front seat inboard	2	
-69	17923-00		CHANNEL ASSEMBLY - Floor and seat track support, left	1	
	17923-01		CHANNEL ASSEMBLY - Floor and seat track support, right	1	
-70	17924-00		LINK - Seat bracket stiffener	4	
-71	17925-02		BLOCK - Spar cover spacer	2	
-72	17925-03		BLOCK - Spar cover spacer	2	
-73	19619-00		COVER ASSEMBLY - Front spar	1	
-74	18318-00		STOP - Seat	4	
-75	19094-02		FLOORBOARD ASSEMBLY - Center	1	
-76	19095-00		FLOORBOARD ASSEMBLY - Rear	1	
-77	19602-09		CARPET - Floor, front, red	1	23-1 to 23-1907 inclusive
	19602-25		CARPET - Floor, front, red	1	23-1908 to 23-2012 inclusive
	19602-10		CARPET - Floor, front, blue	1	23-1 to 23-1907 inclusive
	19602-26		CARPET - Floor, front, blue	1	23-1908 to 23-2012 inclusive
	19602-11		CARPET - Floor, front, copper	1	23-1 to 23-1907 inclusive
	19602-27		CARPET - Floor, front, copper	1	23-1908 to 23-2012 inclusive
	19602-12		CARPET - Floor, front, green	1	23-1 to 23-1907 inclusive
	19602-28		CARPET - Floor, front, green	1	23-1908 to 23-2012 inclusive
	19979-00		CARPET - Floor, front, gray	1	23-2013 and up
	19979-02		CARPET - Floor, front, tan	1	23-2013 and up
	19979-03		CARPET - Floor, front, green	1	23-2013 and up
-78	19785-00		PLATE - Heel	2	
-79	19602-13		CARPET - Floor, front spar cover, red	1	23-1871 to 23-1907 inclusive
	19602-21		CARPET - Floor, front spar cover, red	1	23-1908 to 23-2012 inclusive
	19602-14		CARPET - Floor, front spar cover, blue	1	23-1871 to 23-1907 inclusive
	19602-22		CARPET - Floor, front spar cover, blue	1	23-1908 to 23-2012 inclusive
	19602-15		CARPET - Floor, front spar cover, brown	1	23-1871 to 23-1907 inclusive
	19602-23		CARPET - Floor, front spar cover, brown	1	23-1908 to 23-2012 inclusive
	19602-16		CARPET - Floor, front spar cover, green	1	23-1871 to 23-1907 inclusive
	19602-24		CARPET - Floor, front spar cover, green	1	23-1908 to 23-2012 inclusive
	19978-00		CARPET - Floor, front spar cover, gray	1	23-2013 and up
	19978-02		CARPET - Floor, front spar cover, tan	1	23-2013 and up
	19978-03		CARPET - Floor, front spar cover, green	1	23-2013 and up
-80	19436-06		PLATE ASSEMBLY - Spar cover, red	1	23-1871 to 23-1907 inclusive
	19436-14		PLATE ASSEMBLY - Spar cover, red	1	23-1908 to 23-2012 inclusive
	19436-08		PLATE ASSEMBLY - Spar cover, blue	1	23-1871 to 23-1907 inclusive
	19436-15		PLATE ASSEMBLY - Spar cover, blue	1	23-1908 to 23-2012 inclusive
	19436-10		PLATE ASSEMBLY - Spar cover, brown	1	23-1871 to 23-1907 inclusive
	19436-16		PLATE ASSEMBLY - Spar cover, brown	1	23-1908 to 23-2012 inclusive
	19436-12		PLATE ASSEMBLY - Spar cover, green	1	23-1871 to 23-1907 inclusive
	19436-17		PLATE ASSEMBLY - Spar cover, green	1	23-1908 to 23-2012 inclusive
	19959-02	A	PLATE ASSEMBLY - Spar cover	1	23-2013 and up

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Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
17-81	80122-07		WASHER	2	
-82	18653-00		PLATE - Cover, flap unit	2	
-83	80122-10		WASHER	10	
-84	18779-06		TRACK - Seat left outboard	1	
-85	18779-07		TRACK - Seat left inboard	1	
-86	18779-08		TRACK - Seat right inboard	1	
-87	18779-09		TRACK - Seat right outboard	1	
-88	410 044		SCREW - (AN509-10R-15)	20	
-89	18917-26		CARPET - Rear inboard, red	2	23-1871 to 23-1907 inclusive
	18917-50		CARPET - Rear inboard, red	2	23-1908 to 23-2012 inclusive
	18917-30		CARPET - Rear inboard, blue	2	23-1871 to 23-1907 inclusive
	18917-51		CARPET - Rear inboard, blue	2	23-1908 to 23-2012 inclusive
	18917-34		CARPET - Rear inboard, brown	2	23-1871 to 23-1907 inclusive
	18917-52		CARPET - Rear inboard, brown	2	23-1908 to 23-2012 inclusive
	18917-38		CARPET - Rear inboard, green	2	23-1871 to 23-1907 inclusive
	18917-53		CARPET - Rear inboard, green	2	23-1908 to 23-2012 inclusive
-90	18917-27		CARPET - Rear center, red	1	23-1871 to 23-1907 inclusive
	18917-46		CARPET - Rear center, red	1	23-1908 to 23-2012 inclusive
	18917-31		CARPET - Rear center, blue	1	23-1871 to 23-1907 inclusive
	18917-47		CARPET - Rear center, blue	1	23-1908 to 23-2012 inclusive
	18917-35		CARPET - Rear center, brown	1	23-1871 to 23-1907 inclusive
	18917-48		CARPET - Rear center, brown	1	23-1908 to 23-2012 inclusive
	18917-39		CARPET - Rear center, green	1	23-1871 to 23-1907 inclusive
	18917-49		CARPET - Rear center, green	1	23-1908 to 23-2012 inclusive
-91	18917-28		CARPET - Rear left outboard, red	1	23-1871 to 23-1907 inclusive
	18917-54		CARPET - Rear left outboard, red	1	23-1908 to 23-2012 inclusive
	18917-32		CARPET - Rear left outboard, blue	1	23-1871 to 23-1907 inclusive
	18917-55		CARPET - Rear left outboard, blue	1	23-1908 to 23-2012 inclusive
	18917-36		CARPET - Rear left outboard, brown	1	23-1871 to 23-1907 inclusive
	18917-56		CARPET - Rear left outboard, brown	1	23-1908 to 23-2012 inclusive
	18917-40		CARPET - Rear left outboard, green	1	23-1871 to 23-1907 inclusive
	18917-57		CARPET - Rear left outboard, green	1	23-1908 to 23-2012 inclusive
-92	18917-29		CARPET - Rear right outboard, red	1	23-1871 to 23-1907 inclusive
	18917-42		CARPET - Rear right outboard, red	1	23-1908 to 23-2012 inclusive
	18917-33		CARPET - Rear right outboard, blue	1	23-1871 to 23-1907 inclusive
	18917-43		CARPET - Rear right outboard, blue	1	23-1908 to 23-2012 inclusive
	18917-37		CARPET - Rear right outboard, copper	1	23-1871 to 23-1907 inclusive
	18917-44		CARPET - Rear right outboard, copper	1	23-1908 to 23-2012 inclusive
	18917-41		CARPET - Rear right outboard, green	1	23-1871 to 23-1907 inclusive
	18917-45		CARPET - Rear right outboard, green	1	23-1908 to 23-2012 inclusive
-93	19811-02		VISOR ASSEMBLY - Sun, left	1	23-1871 to 23-2012 inclusive
	19944-02		VISOR ASSEMBLY - Sun, left, light charcoal	1	23-2013 and up
	19944-08		VISOR ASSEMBLY - Sun, left, dark brown	1	23-2013 and up
	19944-10		VISOR ASSEMBLY - Sun, left, dark green	1	23-2013 and up
	19811-03		VISOR ASSEMBLY - Sun, right	1	23-1871 to 23-2012 inclusive
	19944-03		VISOR ASSEMBLY - Sun, right, light charcoal	1	23-2013 and up
	19944-09		VISOR ASSEMBLY - Sun, right, dark brown	1	23-2013 and up
	19944-11		VISOR ASSEMBLY - Sun, right, dark green	1	23-2013 and up
-94	19787-00		PLATE - Carpet trim, front	4	
	19788-00		PLATE - Carpet trim, rear	4	
-95	19793-00		PLACARD - Door handle position	1	
-96	14260-51		REST ASSEMBLY - Arm, front, gray	1	
-97	19968-05		CARPET - Rear, gray	1	23-2013 and up
	19968-06		CARPET - Rear, tan	1	23-2013 and up
	19968-07		CARPET - Rear, green	1	23-2013 and up

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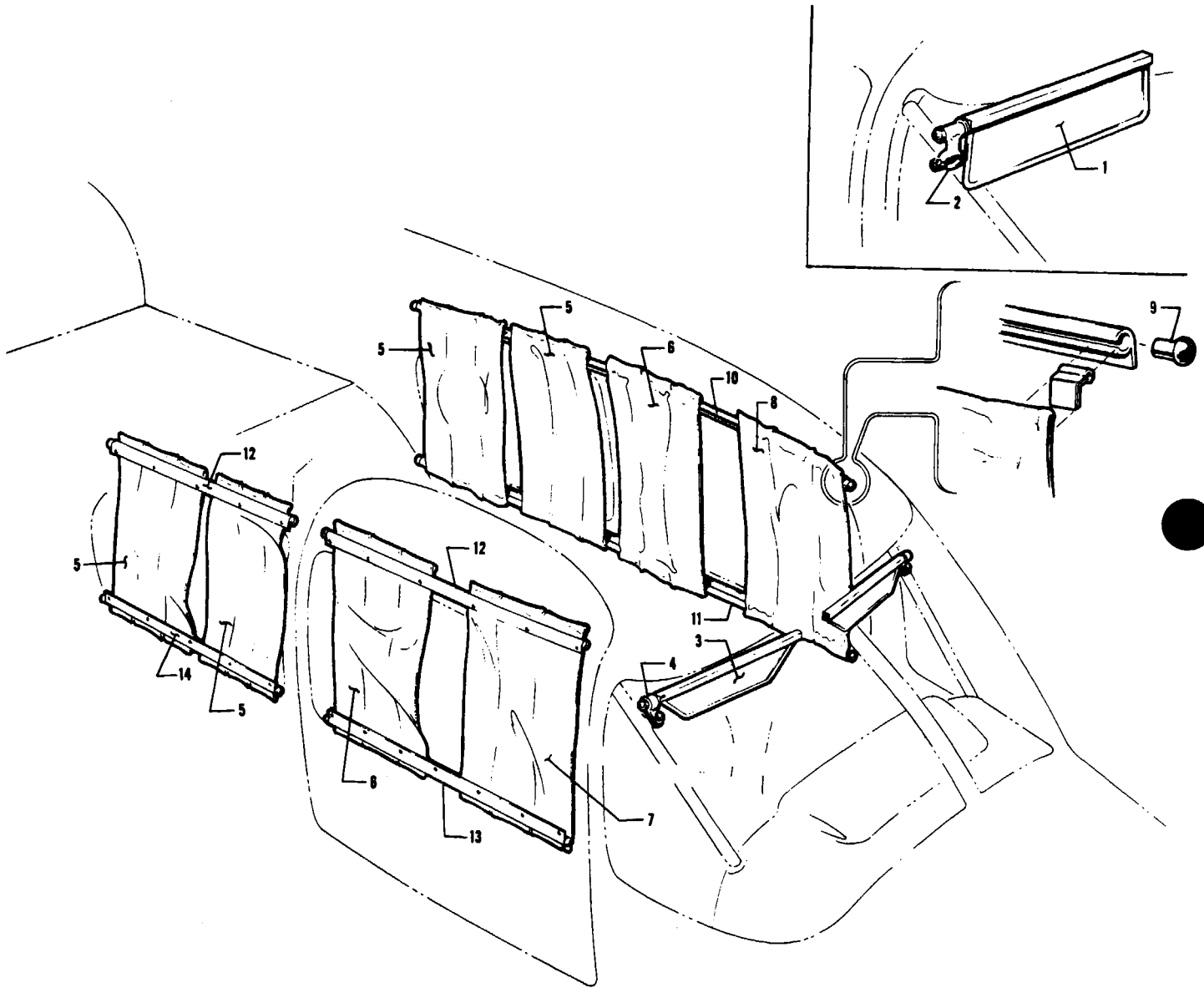


Figure 18 Sun Visors Installation
Window Curtain Installation
(Serial Nos. 23-1 to 23-1870 inclusive)



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
18-	18228 19162		DRAWING - Fuselage Assembly DRAWING - Window Curtains Installation		
-1	19179-08 19179-00		VISOR ASSEMBLY - Sun, brown VISOR ASSEMBLY - Sun, gray	2 2	23-1 to 23-375 inclusive 23-376 to 23-733 inclusive
-2	14599-04 14599-05		BRACKET ASSEMBLY - Sun visor mounting, LH BRACKET ASSEMBLY - Sun visor mounting, RH	1 1	23-1 to 23-746 inclusive 23-1 to 23-746 inclusive
-3	19179-11 19179-12 19179-14		VISOR ASSEMBLY - Sun, gray VISOR ASSEMBLY - Sun, gray VISOR ASSEMBLY - Sun, gray	2 2 2	23-734 to 23-1196 inclusive 23-1197 to 23-1501 inclusive 23-1502 to 23-1870 inclusive
-4	80002-64		CLAMP - Sun visor mounting	2	23-747 to 23-1870 inclusive
-5	19157-00		CURTAIN ASSEMBLY - Rear window, gray	4	
-6	19158-00		CURTAIN ASSEMBLY - Front window, rear, gray	2	
-7	19159-00		CURTAIN ASSEMBLY - Door window, front, gray	1	
-8	19160-00		CURTAIN ASSEMBLY - Front window, front, gray	1	
-9	19161-00		STOP - Curtain track	12	
-10	19166-02		TRACK - Window curtain, left, top	1	
-11	19166-03		TRACK - Window curtain, left, bottom	1	
-12	19166-04		TRACK - Window curtain, right, top	2	
-13	19166-05		TRACK - Window curtain, right, front, bottom	1	
-14	19166-06		TRACK - Window curtain, right, rear, bottom	1	

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

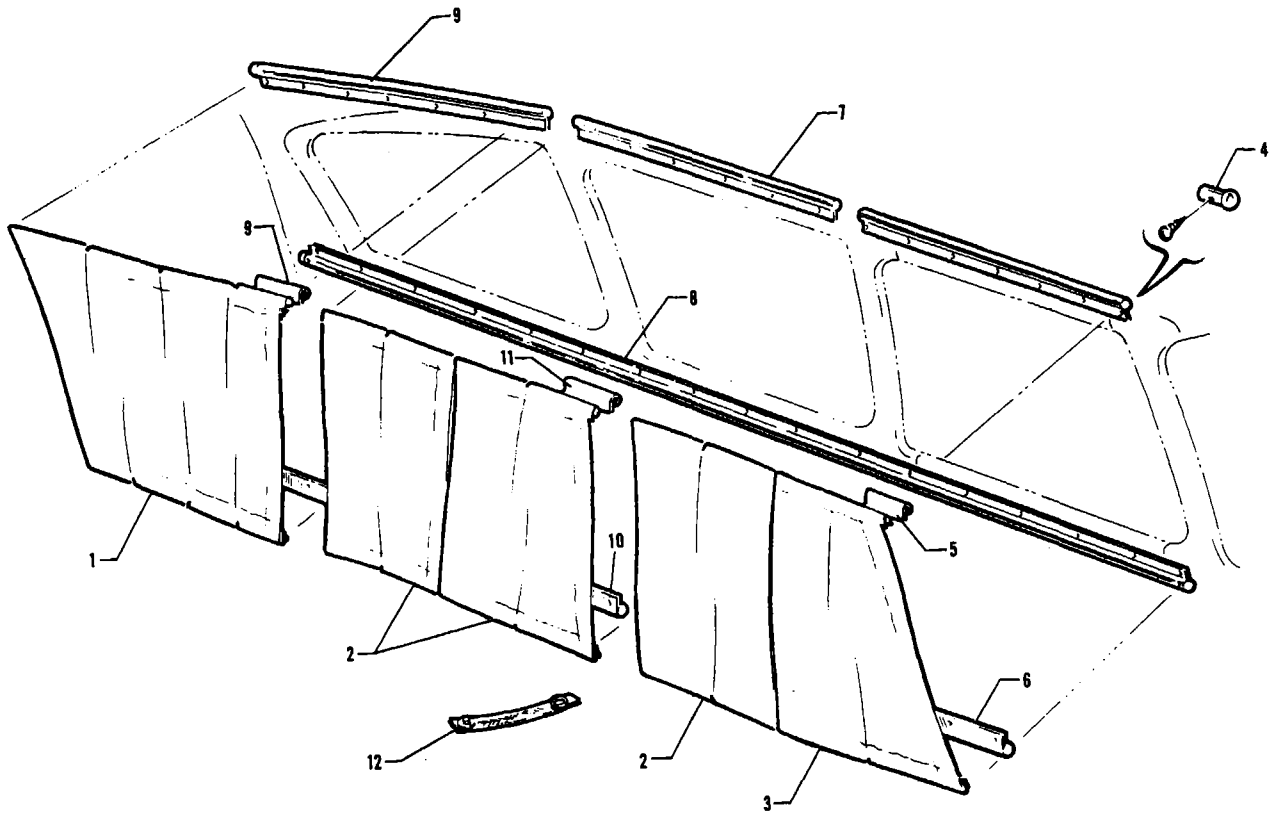


Figure 19. Window Curtain Installation
(Serial Nos. 23-1871 and up)



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
19-	16679		DRAWING - Window Curtain Installation		
-1	16678-00		CURTAIN ASSEMBLY - Rear window, gray, left	1	
	16678-04		CURTAIN ASSEMBLY - Rear window, tan, left	1	23-2013 and up
	16678-06		CURTAIN ASSEMBLY - Rear window, green, left	1	23-2013 and up
	16678-01		CURTAIN ASSEMBLY - Rear window, gray, right	1	
	16678-05		CURTAIN ASSEMBLY - Rear window, tan, right	1	23-2013 and up
	16678-07		CURTAIN ASSEMBLY - Rear window, green, right	1	23-2013 and up
-2	19158-00		CURTAIN ASSEMBLY - Window, gray	6	
	19158-03		CURTAIN ASSEMBLY - Window, tan	6	23-2013 and up
	19158-05		CURTAIN ASSEMBLY - Window, green	6	23-2013 and up
-3	19159-00		CURTAIN ASSEMBLY - Door window, gray	1	
	19159-03		CURTAIN ASSEMBLY - Door window, tan	1	23-2013 and up
	19159-05		CURTAIN ASSEMBLY - Door window, green	1	23-2013 and up
	19160-00		CURTAIN ASSEMBLY - Front window, gray, left	1	
	19160-03		CURTAIN ASSEMBLY - Front window, tan, left	1	23-2013 and up
	19160-05		CURTAIN ASSEMBLY - Front window, green, left	1	23-2013 and up
-4	19161-00		STOP - Curtain track	16	
-5	19166-04		TRACK - Window curtain, right, front, top	1	
-6	19166-05		TRACK - Window curtain, right, front, bottom	1	
-7	19166-07		TRACK - Window curtain, left, top, front	1	
-8	30292-00		TRACK - Window curtain, left, bottom, front	1	
-9	19166-09		TRACK - Window curtain, rear, top	2	
-10	30289-00		TRACK - Window curtain, right, rear, bottom	1	
-11	19166-11		TRACK - Window curtain, right, center, top	1	
-12	19879-00		STRAP ASSEMBLY - Curtain tie back	10	

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

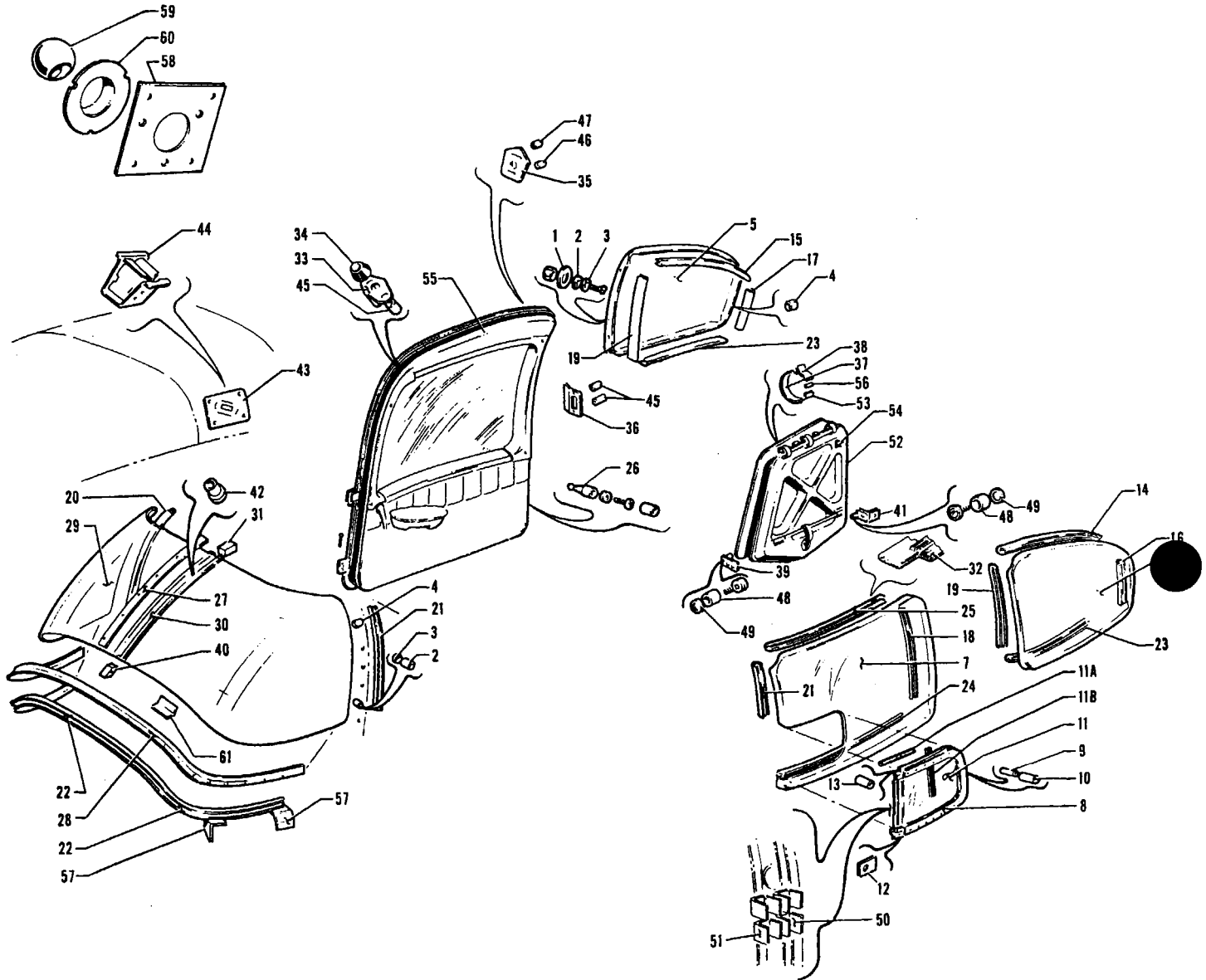


Figure 20. Fuselage Enclosure Installation
(Serial Nos. 23-1 to 23-1870 inclusive)



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
20-	18163 19512 18019		DRAWING - Windshield Installation DRAWING - Windshield Installation DRAWING - Enclosure Installation		23-1 to 23-1501 inclusive 23-1502 to 23-1870 inclusive 23-1 to 23-1870 inclusive
-1	85012-95		WASHER - Felt, window installation	31	
-2	453 628		BUSHING - Rubber, window and windshield installation	52	
-3	81342-71		WASHER - Aluminum, window and windshield installation	52	
-4	14175-64		BUSHING - Fibre	4	
-5	18157-03		WINDOW - Rear right	1	
-6	18157-00		WINDOW - Rear left	1	23-1 to 23-1501 inclusive
	18157-02		WINDOW - Rear left	1	23-1502 and up
-7	18156-04		WINDOW ASSEMBLY - Left front	1	
-8	18155-00		WINDOW ASSEMBLY - Storm	1	
-9	14175-61		BUSHING	1	
-10	14175-62		BUSHING	1	
-11	18160-00		LATCH - Storm window	1	
-11a	13945-30		SEAL - Storm window	1	
-11b	13945-31		SEAL - Storm window	1	
-12	11568-09		LUG - Attachment	2	
-13	18161-03		BUSHING	2	
-14	18430-02		STRIP - Window moulding attachment	1	23-1 to 23-1870 inclusive
-15	18430-03		STRIP - Window moulding attachment	1	23-1 to 23-1870 inclusive
-16	18430-04		STRIP - Window moulding attachment	1	23-1 to 23-1870 inclusive
-17	18430-05		STRIP - Window moulding attachment	1	23-1 to 23-1870 inclusive
-18	18430-08		STRIP - Window moulding attachment	1	
-19	18430-09		STRIP - Window moulding attachment	2	
-20	18430-10		STRIP - Windshield moulding attachment	1	
-21	18430-11		STRIP - Window and windshield moulding attachment	2	
-22	18430-12		STRIP - Windshield moulding attachment	2	
-23	18430-13		STRIP - Window moulding attachment	2	
-24	18430-16		STRIP - Window moulding attachment	1	
-25	18430-17		STRIP - Window moulding attachment	1	
-26	18349-02		STUD - Door catch	1	
-27	18163-02		STRIP - Windshield center	1	
-28	18163-03		COLLAR - Windshield	1	23-1 to 23-1501 inclusive
	19512-07		COLLAR - Windshield	1	23-1502 to 23-1870 inclusive
-29	18163-08		WINDSHIELD ASSEMBLY	1	23-1 to 23-1501 inclusive
	19512-04		WINDSHIELD ASSEMBLY - Left	1	23-1502 to 23-1870 inclusive
	19512-05		WINDSHIELD ASSEMBLY - Right	1	23-1502 to 23-1870 inclusive
-30	18154-00		CHANNEL ASSEMBLY - Windshield center	1	23-1 to 23-1501 inclusive
	18154-03		CHANNEL ASSEMBLY - Windshield center	1	23-1502 to 23-1870 inclusive
-31	18158-00		BLOCK - Windshield channel, upper	1	
-32	187 555		EXTRUSION - Rubber	21	
-33	18036-00		PLATE - Door lock pin guide	1	
-34	18063-00		PIN - Door support	1	
-35	18424-00		PLATE - Door lock pin guide	2	
-36	18040-00		PLATE - Door latch striker	1	
-37	487 314		SPRING - Baggage door	3	23-1 to 23-445 inclusive
-38	454 909		CLIP - Baggage door spring	3	23-1 to 23-445 inclusive
-39	18171-00		BRACKET ASSEMBLY - Baggage door retainer block, front	1	
-40	14175-85		BUSHING - Windshield channel, lower	1	

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
20-41	18170-00		BRACKET ASSEMBLY - Baggage door retainer block, rear	1	
-42	18359-00		NUT - Special	6	
-43	18350-00	A	PLATE - Door stop catch spring	1	
-44	487 322	A	SPRING - Door stop catch	1	
-45	14175-65		BUSHING	6	
-46	14175-80		BUSHING	1	
-47	14175-81		BUSHING	1	
-48	81342-75		WASHER - Rubber	2	
-49	80122-18		WASHER	2	
-50	18435-02		CLIP - Left side only	2	
-51	18435-00		CLIP - Left and right side	4	
-52	17883-00		DOOR ASSEMBLY - Baggage compartment	1	23-1 to 23-375 inclusive
	17883-02		DOOR ASSEMBLY - Baggage compartment	1	23-376 to 23-739 inclusive
	17883-03		DOOR ASSEMBLY - Baggage compartment	1	23-740 to 23-1163 inclusive
	17883-07	C	DOOR ASSEMBLY - Baggage compartment	1	23-1164 to 23-1173 inclusive
	17883-04	C	DOOR ASSEMBLY - Baggage compartment	1	23-1174 to 23-1501 inclusive
	17883-10	D	DOOR ASSEMBLY - Baggage compartment	1	23-1502 to 23-1870 inclusive
-53	454 909		CLIP - Baggage door spring	3	23-1 to 23-445 inclusive
-54	17985-00		PLACARD - Baggage capacity	1	
-55	18100-00		DOOR ASSEMBLY - Fuselage (complete), brown	1	23-1 to 23-375 inclusive
	18100-10	E	DOOR ASSEMBLY - Fuselage (complete)	1	23-376 to 23-739 inclusive
	18100-19	F	DOOR ASSEMBLY - Fuselage (complete)	1	23-740 to 23-1163 inclusive
	18100-22	C	DOOR ASSEMBLY - Fuselage (complete)	1	23-1164 to 23-1501 inclusive
	18100-29	D	DOOR ASSEMBLY - Fuselage (complete)	1	23-1502 to 23-1870 inclusive
-56	86092-45		PIN - Baggage door hinge	1	
-57	18434-00		CLIP - Windshield attaching	4	
-58	18909-00	B	PLATE - Door catch mounting	1	
-59	18911-00	B	BALL - Door stop	1	
-60	18912-00	B	PLATE - Door stop retainer	1	
-61	19456-00		ANGLE - Windshield support	2	

A - Used when spring type door catch is installed. See Items 58, 59 and 60.
 B - Used when ball type door catch is installed. See Items 43 and 44.
 C - When ordering, specify color red, blue or brown and airplane serial number.
 D - When ordering, specify color red, blue, brown or green and airplane serial number.
 E - When ordering, specify color red or blue and airplane serial number.
 F - When ordering, specify color red, blue or rose and airplane serial number.

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

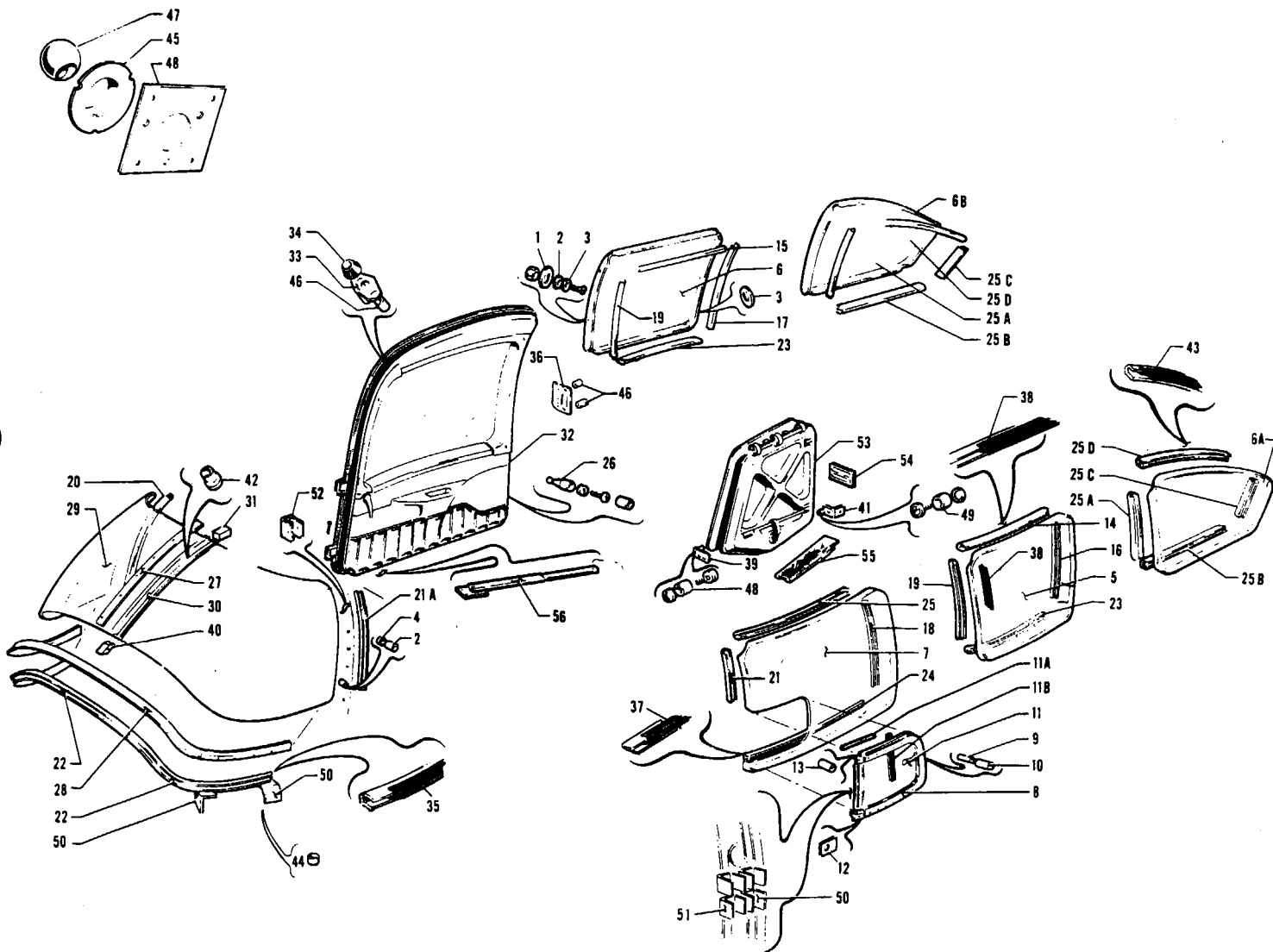


Figure 21. Fuselage Enclosure Installation
(Serial Nos. 23-1871 and up)



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
21-	19512 16390		DRAWING - Windshield Installation DRAWING - Enclosure Installation		
-1	85012-95		WASHER - Felt, window installation	63	
-2	453 628		BUSHING - Rubber, window and windshield installation	85	
-3	81342-70		WASHER - Aluminum, window installation	65	
-4	81342-71		WASHER - Aluminum, windshield installation	16	
-5	16337-00		WINDOW - Center, left	1	
-6	16337-01		WINDOW - Center, right	1	
-6a	16341-00		WINDOW - Left, rear	1	
-6b	16341-01		WINDOW - Right, rear	1	
-7	18156-04		WINDOW ASSEMBLY - Left, front	1	
-8	18155-00		WINDOW ASSEMBLY - Storm	1	
-9	14175-61		BUSHING	1	
-10	14175-62		BUSHING	1	
-11	18160-00		LATCH - Storm window	1	
-11a	13945-30		SEAL - Storm window	1	
-11b	13945-31		SEAL - Storm window	1	
-12	11568-09		LUG - Attachment	2	
-13	14175-64		BUSHING	2	
-14	16049-00		STRIP - Window moulding attachment	1	
-15	16049-01		STRIP - Window moulding attachment	1	
-16	16340-02		STRIP - Window moulding attachment	1	
-17	16340-03		STRIP - Window moulding attachment	1	
-18	18430-08		STRIP - Window moulding attachment	1	
-19	18430-09		STRIP - Window moulding attachment, left	1	
	18430-19		STRIP - Window moulding attachment, right	1	
-20	18430-10		STRIP - Windshield moulding attachment	1	
-21	18430-11		STRIP - Windshield moulding attachment	1	
-21a	18430-18		STRIP - Window moulding attachment	1	
-22	18430-12		STRIP - Windshield moulding attachment, left	1	
	18430-21		STRIP - Windshield moulding attachment, right	1	
-23	18430-20		STRIP - Window moulding attachment, left	1	
	18430-13		STRIP - Window moulding attachment, right	1	
-24	18430-16		STRIP - Window moulding attachment	1	
-25	18430-17		STRIP - Window moulding attachment	1	
-25a	16340-04		STRIP - Window moulding, left	1	
	16340-05		STRIP - Window moulding, right	1	
-25b	16338-00		STRIP - Window moulding	2	
-25c	16339-00		STRIP - Window moulding	2	
-25d	16048-00		STRIP - Window moulding, left	1	
	16048-01		STRIP - Window moulding, right	1	
-26	18349-02		STUD - Door catch	1	
-27	18163-02		STRIP - Windshield center	1	
-28	19512-07		COLLAR - Windshield	1	
-29	19512-04		WINDSHIELD ASSEMBLY - Left	1	
	19512-05		WINDSHIELD ASSEMBLY - Right	1	
-30	18154-03		CHANNEL ASSEMBLY - Windshield center	1	
-31	18158-00		BLOCK - Windshield channel, upper	1	

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
21-32	19742-02	AB	DOOR ASSEMBLY - Fuselage cabin	1	23-1871 to 23-1907 inclusive
	16504-12	AB	DOOR ASSEMBLY - Fuselage cabin	1	23-1908 to 23-2012 inclusive
	16504-16	AC	DOOR ASSEMBLY - Fuselage cabin	1	23-2013 and up
-33	18036-00		PLATE - Door lock pin guide	3	
-34	18063-00		PIN - Door support	1	
-35	16664-06		MOULDING - Windshield seal	2	
-36	18040-00		PLATE - Door latch striker	1	
-37	16664-08		MOULDING - Front window seal, left	1	
-38	16664-09		MOULDING - Center window seal	2	
-39	18171-00		BRACKET ASSEMBLY - Baggage door retainer block, front	1	
-40	14175-85		BUSHING - Windshield channel, lower	1	
-41	18170-00		BRACKET ASSEMBLY - Baggage door retainer block, rear	1	
-42	18359-00		NUT - Special	6	
-43	16664-07		MOULDING - Rear window seal	2	
-44	14843-40		BUSHING - Windshield moulding attachment, left	1	
-45	18912-00		PLATE - Door stop retainer	1	23-1871 to 23-1967 inclusive
-46	14175-65		BUSHING	4	
-47	18911-00		BALL - Door stop	1	23-1871 to 23-1967 inclusive
	453 676		BUMPER - Rubber (#4247)	1	23-1967 and up
-48	18909-00		PLATE - Door catch mounting	1	23-1871 to 23-1967 inclusive
	19844-00		PLATE - Door catch mounting	1	23-1967 and up
-49	19271-00		BUSHING - Door retainer	1	
-50	18434-03		CLIP - Windshield attaching, left	1	
	18434-01		CLIP - Windshield attaching, right	1	
-51	18435-02		CLIP - Left side only	2	
-52	18435-03		CLIP - Left side	2	
	18435-04		CLIP - Right side	2	
-53	17883-18	AB	DOOR ASSEMBLY - Baggage compartment	1	23-1871 to 23-1907 inclusive
	17883-22	AB	DOOR ASSEMBLY - Baggage compartment	1	23-1908 to 23-2012 inclusive
	17883-26	AC	DOOR ASSEMBLY - Baggage compartment	1	23-2013 and up
-54	16241-00		PLACARD - Baggage capacity	1	
-55	18671-02		SILL - Baggage door	1	
-56	757 194	D	HOLDER ASSEMBLY - Door	1	23-1968 and up

- A - See Figure 22 for component parts.
- B - When ordering, specify color red, blue, brown or green and airplane serial number.
- C - When ordering, specify color gray, tan or green and airplane serial number.
- D - Order Door Holder Assembly, Part No. 32304-00 if present door holder outside channel is 11 1/2" long.

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

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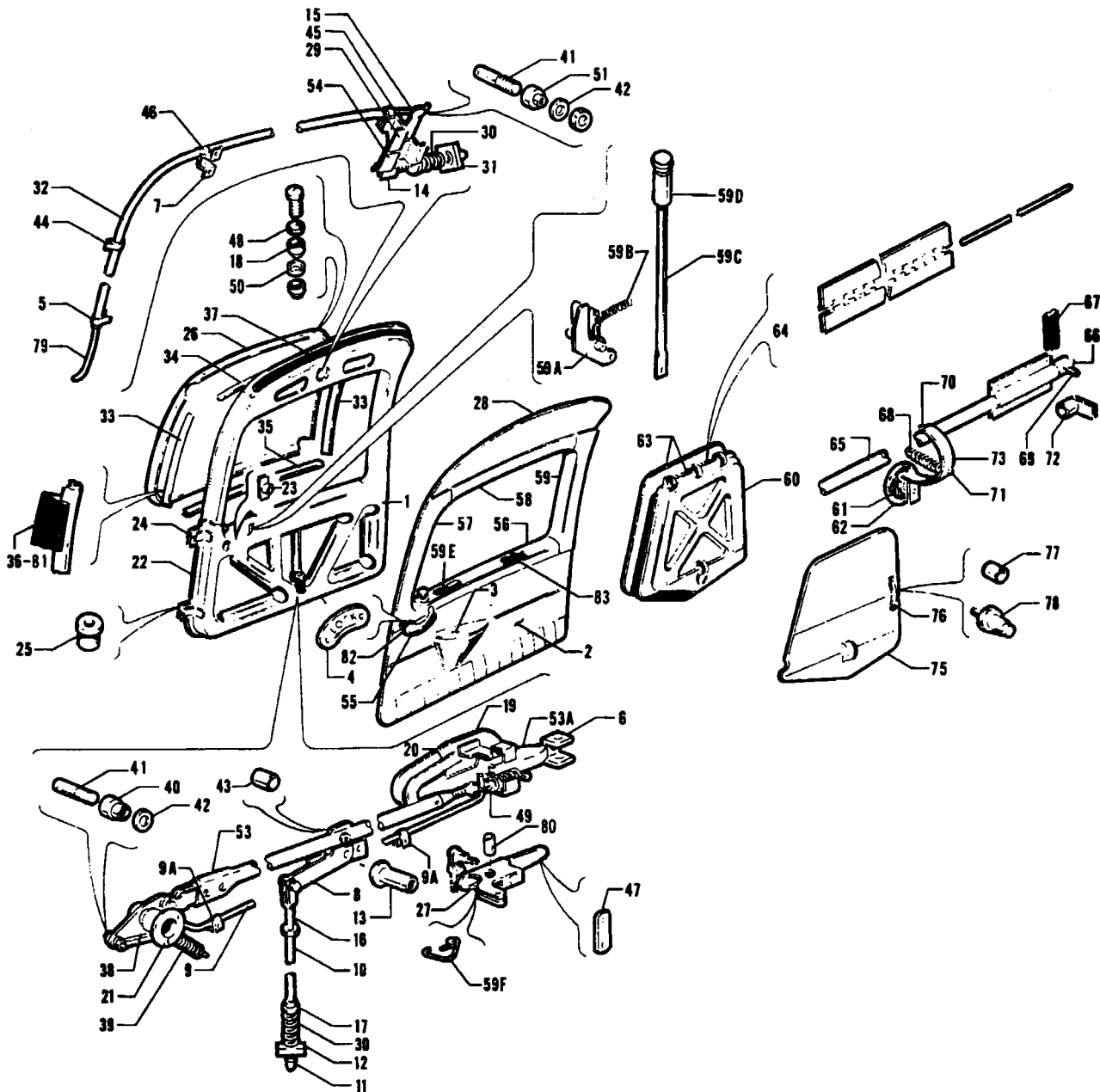


Figure 22. Baggage and Cabin Door Assemblies



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED	
22-1	18100-00		DOOR ASSEMBLY - Fuselage (complete), brown	1	23-1 to 23-375 inclusive	
	18100-10	A	DOOR ASSEMBLY - Fuselage (complete)	1	23-376 to 23-739 inclusive	
	18100-19	B	DOOR ASSEMBLY - Fuselage (complete)	1	23-740 to 23-1163 inclusive	
	18100-22	C	DOOR ASSEMBLY - Fuselage (complete)	1	23-1164 to 23-1501 inclusive	
	18100-29	D	DOOR ASSEMBLY - Fuselage (complete)	1	23-1502 to 23-1870 inclusive	
	19742-02	D	DOOR ASSEMBLY - Fuselage (complete)	1	23-1871 to 23-1907 inclusive	
	16504-12	D	DOOR ASSEMBLY - Fuselage (complete)	1	23-1908 to 23-2012 inclusive	
	16504-16	E	DOOR ASSEMBLY - Fuselage (complete)	1	23-2013 and up	
-2	17678-00		PANEL ASSEMBLY - Door trim, lower, light brown	1	23-1 to 23-54 inclusive 23-56 to 23-96 inclusive	
	17678-10		PANEL ASSEMBLY - Door trim, lower, dark brown	1	23-55, 23-97 to 23-375 inclusive	
	18866-02	A	PANEL ASSEMBLY - Door trim, lower	1	23-376 to 23-739 inclusive	
	18866-12	B	PANEL ASSEMBLY - Door trim, lower	1	23-740 to 23-1196 inclusive	
	19416-02	C	PANEL ASSEMBLY - Door trim, lower	1	23-1197 to 23-1501 inclusive	
	19416-14	D	PANEL ASSEMBLY - Door trim, lower	1	23-1502 to 23-1870 inclusive	
	19729-02	D	PANEL ASSEMBLY - Lower	1	23-1871 to 23-1907 inclusive	
	16508-02	D	PANEL ASSEMBLY - Lower	1	23-1908 to 23-2012 inclusive	
	19964-02	E	PANEL ASSEMBLY - Lower	1	23-2013 and up	
	-3	12799-07		REST ASSEMBLY - Arm, brown	1	23-1 to 23-375 inclusive
		12799-09		REST ASSEMBLY - Arm, red	1	23-376 to 23-746 inclusive
		12799-11		REST ASSEMBLY - Arm, blue	1	23-376 to 23-746 inclusive
		12799-13		REST ASSEMBLY - Arm, red	1	23-747 to 23-1163 inclusive
		12799-15		REST ASSEMBLY - Arm, blue	1	23-747 to 23-1163 inclusive
		12799-17		REST ASSEMBLY - Arm, rose	1	23-747 to 23-1163 inclusive
		12799-21		REST ASSEMBLY - Arm, red	1	23-1164 to 23-1870 inclusive
12799-23			REST ASSEMBLY - Arm, blue	1	23-1164 to 23-1870 inclusive	
12799-25			REST ASSEMBLY - Arm, brown	1	23-1164 to 23-1870 inclusive	
12799-35			REST ASSEMBLY - Arm, green	1	23-1502 to 23-1870 inclusive	
12799-47			REST ASSEMBLY - Arm, gray	1	23-1871 to 23-1907 inclusive	
16597-02			REST ASSEMBLY - Arm, red	1	23-1908 to 23-2012 inclusive	
16597-03			REST ASSEMBLY - Arm, blue	1	23-1908 to 23-2012 inclusive	
16597-04			REST ASSEMBLY - Arm, brown	1	23-1908 to 23-2012 inclusive	
16597-05			REST ASSEMBLY - Arm, green	1	23-1908 to 23-2012 inclusive	
16597-12		F	REST ASSEMBLY - Arm, gray	1	23-2013 and up	
16597-17	F	REST ASSEMBLY - Arm, tan	1	23-2013 and up		
16597-19	F	REST ASSEMBLY - Arm, green	1	23-2013 and up		
-4	18017-03		PLACARD - Door lock	1	23-1 to 23-2012 inclusive	
	19941-00		PLACARD - Door lock	1	23-2013 and up	
-5	18048-00		CLAMP - Door upper latch housing	1		
-6	18049-00		BLOCK - Door latch guide	1		
-7	18052-00		BRACKET - Door upper latch cable	1		
-8	18053-00		BELLCRANK - Door lock rod	1		

- A - When ordering, specify color red or blue and airplane serial number.
- B - When ordering, specify color red, blue or rose and airplane serial number.
- C - When ordering, specify color red, blue or brown and airplane serial number.
- D - When ordering, specify color red, blue, brown or green and airplane serial number.
- E - When ordering, specify color gray, tan or green and airplane serial number.
- F - Component part of lower panel.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
22-9	18056-00		ROD - Door lock release	1	23-1 to 23-1967 inclusive
	19919-00	BC	ROD - Door lock release	1	23-1968 and up
-9a	454 894	B	CLAMP - (#A4886-S-5-1) Door lock release rod	2	23-1968 and up
-10	18057-00		ROD - Door lock	1	
-11	18058-00		PIN - Door lock rod	2	
-12	18060-00		BLOCK - Door lock rod guide	1	
-13	18064-00		BUSHING ASSEMBLY - Door lock bellcrank	1	
-14	12605-00		CLEVIS	1	
-15	18419-00		BELLCRANK - Door lock cable	1	
-16	454 900		CLEVIS - (AN486-3)	1	
-17	81342-69		WASHER	2	
-18	453 628		BUSHING - Rubber (#795)	15	
-19	18068-00		BRACKET ASSEMBLY - Outside door handle	1	23-1 to 23-1967 inclusive
	18068-05		BRACKET ASSEMBLY - Outside door handle	1	23-1968 and up
-20	18050-00		GASKET - Outside door handle	1	
-21	18097-00		BUSHING - Inside door handle	1	
-22	18099-00		DOOR FRAME ASSEMBLY	1	23-1 to 23-2012 inclusive
	18099-14		DOOR FRAME ASSEMBLY	1	23-2013 and up
-23	18061-00		BEARING ASSEMBLY - Door lock bellcrank	1	23-1 to 23-2012 inclusive
	19971-00		BEARING ASSEMBLY - Door lock bellcrank	1	23-2013 and up
-24	18094-00		HINGE - Door, top	1	23-1 to 23-2012 inclusive
	19912-00		HINGE - Door, top	1	23-2013 and up
	18094-01		HINGE - Door, bottom	1	23-1 to 23-2012 inclusive
	19912-01		HINGE - Door, bottom	1	23-2013 and up
-25	18098-00		BUSHING - Door hinge	2	
-26	18100-33		WINDOW - Door	1	
-27	18007-03		HANDLE - Cabin door, outside	1	23-1 to 23-1967 inclusive
	19859-00		HANDLE - Cabin door, outside	1	23-1968 and up
-28	18134-00		PANEL ASSEMBLY - Door, upper trim, brown	1	23-1 to 23-375 inclusive
	18134-05		PANEL ASSEMBLY - Door, upper trim, gray	1	23-376 to 23-1196 inclusive
	18134-09		PANEL ASSEMBLY - Door, upper trim, gray	1	23-1197 to 23-1501 inclusive
	18134-11		PANEL ASSEMBLY - Door, upper trim, gray	1	23-1502 to 23-2012 inclusive
	18134-17		PANEL ASSEMBLY - Door, upper trim, white	1	23-2013 and up
-29	18420-00		BRACKET - Door lock cable support	1	
-30	18421-00		SPRING - Coil	2	
-31	18422-00		BLOCK - Door lock pin guide	1	
-32	18425-00		HOUSING ASSEMBLY - Flexible control	1	
-33	18430-06		STRIP - Window moulding attachment	2	
-34	18430-14		STRIP - Window moulding attachment	1	
-35	18430-15		STRIP - Window moulding attachment	1	
-36	16664-09		MOULDING - Rubber	1	
-37	19063-02		MOULDING - Cabin door seal	12	
-38	754 222	A	SHAFT ASSEMBLY - Inside door handle	1	23-1 to 23-1625 inclusive
	19655-00		SHAFT ASSEMBLY - Inside door handle	1	23-1626 and up
-39	42891-00		SPRING	1	
-40	70371-02		FITTING - Swivel	1	
-41	70371-03		STUD - Swivel	2	
-42	81342-19		WASHER	5	

A - Use shaft, part number 19655-00, if Kit 754 222 has been installed.
 B - Used when auxiliary door lock is installed.
 C - On airplanes with serial numbers 23-1968 and up, this rod requires two (2) clamps. (See Item 9a)

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

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
22-43	80022-89		BUSHING	1	
-44	80032-66		CLAMP - Offset	1	
-45	80032-72		CLAMP - Offset	1	
-46	80032-73		CLAMP - Offset	1	
-47	81262-93		LINK	1	
-48	81342-70		WASHER - Aluminum, window installation	14	
-49	83302-24		SPRING - Coil	1	
-50	85012-95		WASHER - Felt, window installation	26	
-51	91193-00		FITTING - Swivel	1	
-52	-----		Deleted		
-53	754 213		TUBE ASSEMBLY - Door latch	1	23-1 to 23-1523 inclusive
	18067-03		TUBE ASSEMBLY - Door latch	1	23-1524 and up
-53a	754 214		LATCH - Door	1	23-1 to 23-1523 Inclusive
	19644-00		LATCH - Door	1	23-1524 and up
-54	18423-00		BRACKET ASSEMBLY - Door lock bellcrank	1	
-55	18104-00	A	HANDLE ASSEMBLY - Inside door	1	23-1 to 23-1625 inclusive
	464 022		HANDLE ASSEMBLY - Inside door	1	23-1626 and up
-56	18100-03		MOULDING - Door window, bottom, brown	1	23-1 to 23-375 inclusive
	18100-11		MOULDING - Door window, bottom, black	1	23-376 to 23-1309 inclusive
	18100-25		MOULDING - Door window, bottom, black	1	23-1310 to 23-1870 inclusive
	16504-07		MOULDING - Door window, bottom, gray	1	23-1871 and up
-57	18100-04		MOULDING - Door window, front, brown	1	23-1 to 23-375 inclusive
	18100-12		MOULDING - Door window, front, black	1	23-376 to 23-1309 inclusive
	18100-26		MOULDING - Door window, front, black	1	23-1310 to 23-1870 inclusive
	16504-06		MOULDING - Door window, front, gray	1	23-1871 and up
-58	18100-05		MOULDING - Door window, top, brown	1	23-1 to 23-375 inclusive
	18100-13		MOULDING - Door window, top, black	1	23-376 to 23-1309 inclusive
	18100-27		MOULDING - Door window, top, black	1	23-1310 to 23-1870 inclusive
	16504-08		MOULDING - Door window, top, gray	1	23-1871 and up
-59	18100-06		MOULDING - Door window, rear, brown	1	23-1 to 23-375 inclusive
	18100-14		MOULDING - Door window, rear, black	1	23-376 to 23-1309 inclusive
	18100-28		MOULDING - Door window, rear, black	1	23-1310 to 23-1870 inclusive
	16504-09		MOULDING - Door window, rear, gray	1	23-1871 and up
-59a	19837-00		LOCK ASSEMBLY - Door, auxiliary	1	23-1968 and up
-59b	14635-02		SPRING - Door lock, auxiliary	1	23-1968 and up
-59c	19836-00		ROD - Door lock actuating	1	23-1968 and up
-59d	471 083		KNOB - (4791400)	1	23-1968 to 23-2012 inclusive
	471 090		KNOB - (4824983) Green	1	23-2013 and up
	471 091		KNOB - (4824996) Tan	1	23-2013 and up
	471 092		KNOB - (4824973) Gray	1	23-2013 and up
-59e	19848-00		PLACARD - Door lock	1	23-1968 and up
-59f	18045-00		SPRING	1	

A - Use handle, part no. 464 022, if Kit 754 222 has been installed

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

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
22-60	17883-00		DOOR ASSEMBLY - Baggage compartment	1	23-1 to 23-375 inclusive
	17883-02		DOOR ASSEMBLY - Baggage compartment	1	23-376 to 23-739 inclusive
	17883-03		DOOR ASSEMBLY - Baggage compartment	1	23-740 to 23-1163 inclusive
	17883-07	B	DOOR ASSEMBLY - Baggage compartment	1	23-1164 to 23-1173 inclusive
	17883-04	B	DOOR ASSEMBLY - Baggage compartment	1	23-1174 to 23-1501 inclusive
	17883-10	C	DOOR ASSEMBLY - Baggage compartment	1	23-1502 to 23-1870 inclusive
	17883-18	C	DOOR ASSEMBLY - Baggage compartment	1	23-1871 to 23-1907 inclusive
	17883-22	C	DOOR ASSEMBLY - Baggage compartment	1	23-1908 to 23-2012 inclusive
	17883-26	D	DOOR ASSEMBLY - Baggage compartment	1	23-2013 and up
-61	85012-93		WASHER	1	
-62	17873-00		PLATE - Lock	1	
-63	17882-00		DOOR ASSEMBLY - Baggage compartment	1	
-64	18601-02		HINGE ASSEMBLY - Baggage door	1	
-65	19668-00		TUBE ASSEMBLY - Baggage door latch torque	1	
-66	17964-02		DOWEL - Tube assembly	2	
-67	187 508		MOULDING - Baggage door seal	8'	
-68	83302-23		SPRING - Coil	1	
-69	480 686		PIN - Roll	2	23-1 to 23-1907 inclusive
	480 711		PIN - Roll	2	23-1908 and up
-70	480 684		PIN - Roll	2	
-71	424 140		PIN - Flat head (AN392-7)	1	
-72	17874-00		BUSHING - Baggage door latch tube retainer, rear	1	
	17874-02		BUSHING - Baggage door latch tube retainer, front	1	
-73	17958-00		HANDLE ASSEMBLY - Baggage door	1	
-74	-----		Deleted		
-75	18931-07	A	PANEL ASSEMBLY - Trim, baggage door, brown	1	23-1 to 23-375 inclusive
	18931-00		PANEL ASSEMBLY - Trim, baggage door, gray	1	23-376 to 23-739 inclusive
	18931-12		PANEL ASSEMBLY - Trim, baggage door, dark gray	1	23-740 to 23-1163 inclusive
	18931-17	B	PANEL ASSEMBLY - Trim, baggage door	1	23-1164 to 23-1173 inclusive
	18931-20	B	PANEL ASSEMBLY - Trim, baggage door	1	23-1174 to 23-1501 inclusive
	18931-32	C	PANEL ASSEMBLY - Trim, baggage door	1	23-1502 to 23-1870 inclusive
	18931-60	C	PANEL ASSEMBLY - Trim, baggage door	1	23-1871 to 23-1907 inclusive
	18931-65	C	PANEL ASSEMBLY - Trim, baggage door	1	23-1908 to 23-2012 inclusive
	19962-02	D	PANEL ASSEMBLY - Trim, baggage door	1	23-2013 and up
-76	18933-03	A	STRAP ASSEMBLY - (Eyelet attachment), brown (5 5/8" L)	1	
	18933-00		STRAP ASSEMBLY - (Eyelet attachment), black (5 5/8" L)	1	
	18933-05		STRAP ASSEMBLY - (Eyelet attachment), black (5 5/8" L)	1	
	18933-07		STRAP ASSEMBLY - (Eyelet attachment), gray (8" L)	1	
	19958-00		STRAP ASSEMBLY - (Eyelet attachment), gray (8" L)	1	
	32076-02		STRAP ASSEMBLY - (Socket attachment), black (5 5/8" L)	1	
	32076-04		STRAP ASSEMBLY - (Socket attachment), gray (8" L)	1	

- A - Used when fifth seat or reclining seats are installed.
- B - When ordering, specify color red, blue or brown and airplane serial number.
- C - When ordering, specify color red, blue, brown or green and airplane serial number.
- D - When ordering, specify color gray, tan or green and airplane serial number.

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

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
22-77	14175-68	A	BUSHING	1	23-376 to 23-746 inclusive 23-747 and up
	80022-99		BUSHING		
-78	487 589		STUD - Fastener (63315-2008) (Used with eyelet type baggage strap)		
	756 246		STUD - Fastener (XX-16362-5/8" L) (Used with socket type baggage strap)	1	
-79	151 325		WIRE - Door lock control	5'	
-80	14175-59		BUSHING	1	
-81	16664-09		EXTRUSION	7'	
-82	18105-00	C	PLATE ASSEMBLY - Escutcheon, brown	1	23-1 to 23-375 inclusive
	18105-02	C	PLATE ASSEMBLY - Escutcheon, black	1	23-376 to 23-1625 inclusive
-83	13945-25		STRIP - Rubber	2	
<p>A - When ordering, specify length of baggage door strap. B - Used on 23-1 to 23-375 when fifth seat or reclining seats are installed. C - Use placard, part no. 18017-03, if Kit 754 222 has been</p>					

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

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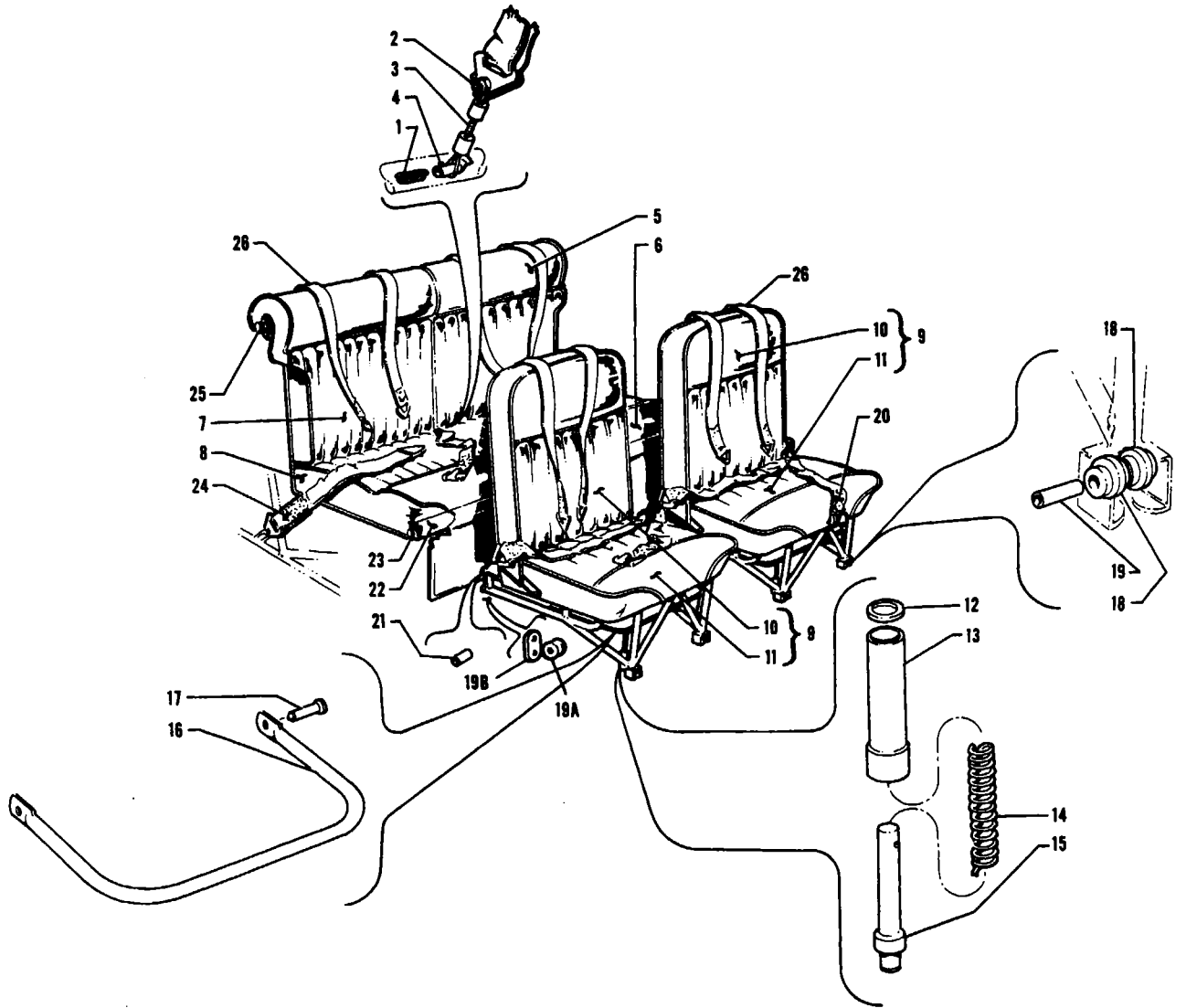


Figure 23. Seats Installation
(Serial Nos. 23-1 to 23-1163 inclusive)



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
23-	18077 19256		DRAWING - Seats Installation DRAWING - Seats Installation		23-1 to 23-746 inclusive 23-747 to 23-1163 inclusive
-1	487 304		SPRING - Rear seat safety belt attachment	1	
-2	13241-00		BOLT - Rear safety belt attachment	1	
-3	18079-00		CABLE ASSEMBLY - Rear seat safety belt attachment	1	
-4	18080-00		PIN ASSEMBLY - Rear seat safety belt attachment	1	
-5	18026-00		CUSHION ASSEMBLY - Rear seat back, left, brown	1	23-1 to 23-375 inclusive
	18026-20	A	CUSHION ASSEMBLY - Rear seat back, left	1	23-376 to 23-389 inclusive
	18888-02	A	CUSHION ASSEMBLY - Rear seat back, left	1	23-390 to 23-746 inclusive
	19236-02	B	CUSHION ASSEMBLY - Rear seat back, left	1	23-747 to 23-1163 inclusive
-6	18029-00		CUSHION ASSEMBLY - Rear seat bottom, left, brown	1	23-1 to 23-375 inclusive
	18029-16	A	CUSHION ASSEMBLY - Rear seat bottom, left	1	23-376 to 23-389 inclusive
	18877-02	A	CUSHION ASSEMBLY - Rear seat bottom, left	1	23-390 to 23-746 inclusive
	19237-02	B	CUSHION ASSEMBLY - Rear seat bottom, left	1	23-747 to 23-1163 inclusive
-7	18026-01		CUSHION ASSEMBLY - Rear seat back, right, brown	1	23-1 to 23-375 inclusive
	18026-21	A	CUSHION ASSEMBLY - Rear seat back, right	1	23-376 to 23-389 inclusive
	18888-03	A	CUSHION ASSEMBLY - Rear seat back, right	1	23-390 to 23-746 inclusive
	19236-03	B	CUSHION ASSEMBLY - Rear seat back, right	1	23-747 to 23-1163 inclusive
-8	18029-01		CUSHION ASSEMBLY - Rear seat bottom, right, brown	1	23-1 to 23-375 inclusive
	18029-17	A	CUSHION ASSEMBLY - Rear seat bottom, right	1	23-376 to 23-389 inclusive
	18877-03	A	CUSHION ASSEMBLY - Rear seat bottom, right	1	23-390 to 23-746 inclusive
	19237-03	B	CUSHION ASSEMBLY - Rear seat bottom, right	1	23-747 to 23-1163 inclusive
-9	18000-00		SEAT ASSEMBLY - Front, brown	2	23-1 to 23-375 inclusive
	18000-27	A	SEAT ASSEMBLY - Front	2	23-376 to 23-389 inclusive
	18865-18	A	SEAT ASSEMBLY - Front	2	23-390 to 23-746 inclusive
	19224-02	B	SEAT ASSEMBLY - Front	2	23-747 to 23-1163 inclusive
-10	18000-23		CUSHION AND FRAME ASSEMBLY - Front seat back, brown	1	23-1 to 23-375 inclusive
	18000-29	A	CUSHION AND FRAME ASSEMBLY - Front seat back	1	23-376 to 23-389 inclusive
	18865-16	A	CUSHION AND FRAME ASSEMBLY - Front seat back	1	23-390 to 23-746 inclusive
	19224-08	B	CUSHION AND FRAME ASSEMBLY - Front seat back	1	23-747 to 23-1163 inclusive
-11	18000-22		CUSHION AND FRAME ASSEMBLY - Front seat bottom, brown	1	23-1 to 23-375 inclusive
	18000-31	A	CUSHION AND FRAME ASSEMBLY - Front seat bottom	1	23-376 to 23-389 inclusive
	18865-11	A	CUSHION AND FRAME ASSEMBLY - Front seat bottom	1	23-390 to 23-746 inclusive
	19224-11	B	CUSHION AND FRAME ASSEMBLY - Front seat bottom	1	23-747 to 23-1163 inclusive
-12	85012-30		WASHER	2	
-13	86102-56		BUSHING	2	
-14	50111-00		SPRING - Front seat catch plunger	2	
-15	12073-00		PLUNGER ASSEMBLY - Front seat catch	2	
-16	17492-00		HANDLE - Front seat catch release	1	
-17	424 185		PIN - Handle attachment (AN393-33)	2	
-18	18968-00		ROLLER - Front seat	2	
-19	14175-43		BUSHING	2	

A - When ordering, specify color red or blue and airplane serial number.
B - When ordering, specify color red, blue or rose and airplane serial number.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
23-19a	18081-00		ROLLER - Front seat, rear	2	
-19b	18082-00		PLATE - Front seat stop	2	
-20	13947-02	A	BELT ASSEMBLY - Front seat safety, complete, brown	2	23-1 to 23-375 inclusive
	13947-11	A	BELT ASSEMBLY - Front seat safety, complete, black	2	23-376 to 23-1163 inclusive
-21	14175-50		BUSHING - Front seat safety belt attachment	4	
-22	18071-00		CANVAS ASSEMBLY - Rear seat, left, brown	1	23-1 to 23-375 inclusive
	18071-09		CANVAS ASSEMBLY - Rear seat, right, brown	1	23-1 to 23-375 inclusive
	18071-05		CANVAS ASSEMBLY - Rear seat, left, red	1	23-376 to 23-1163 inclusive
	18071-11		CANVAS ASSEMBLY - Rear seat, right, red	1	23-376 to 23-1163 inclusive
	18071-06		CANVAS ASSEMBLY - Rear seat, left, blue	1	23-376 to 23-1163 inclusive
	18071-13		CANVAS ASSEMBLY - Rear seat, right, blue	1	23-376 to 23-1163 inclusive
	18071-16		CANVAS ASSEMBLY - Rear seat, left, rose	1	23-747 to 23-1163 inclusive
	18071-15		CANVAS ASSEMBLY - Rear seat, right, rose	1	23-747 to 23-1163 inclusive
-23	17526-00		TUBE ASSEMBLY - Rear seat lower support	1	
-24	13947-08	A	BELT ASSEMBLY - Rear seat safety, complete, brown	2	
	25801-02	A	BELT ASSEMBLY - Rear seat safety, complete, black	2	
-25	17524-00		TUBE ASSEMBLY - Rear seat upper support	1	
-26	18928-07	B	HARNESS ASSEMBLY - Shoulder, brown	4	
	18928-06	B	HARNESS ASSEMBLY - Shoulder, black	4	

A - Not used when shoulder harness is installed.
B - This assembly includes the safety belt.

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

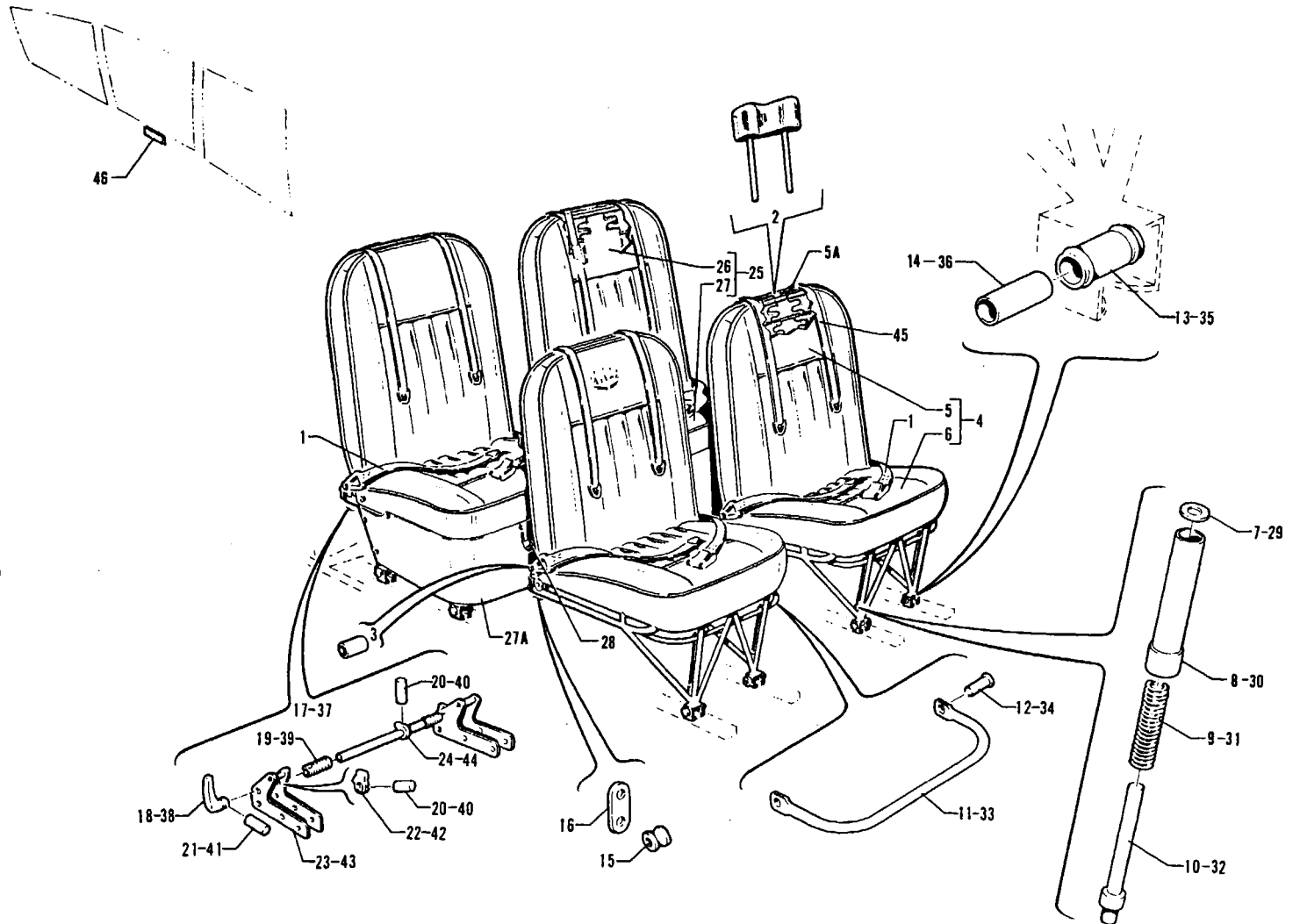


Figure 24. Seats Installation
(Serial Nos. 23-1164 and up)



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
24-	19256 19400 19739		DRAWING - Seats Installation DRAWING - Seats Installation DRAWING - Seats Installation		23-1164 to 23-1196 inclusive 23-1197 to 23-1870 inclusive 23-1871 and up
-1	13947-11 13947-30 13947-43 13947-49	A A A A	BELT ASSEMBLY - Safety, complete, black BELT ASSEMBLY - Safety, complete, gray BELT ASSEMBLY - Safety, complete, brown BELT ASSEMBLY - Safety, complete, green	4 4 4 4	23-1164 to 23-1870 inclusive 23-1871 and up 23-2013 and up 23-2013 and up
-2	19341-10 19341-06 19341-02 19341-17 16510-22 19943-02 19943-07 19943-08		HEADREST ASSEMBLY - Red, front seat HEADREST ASSEMBLY - Blue, front seat HEADREST ASSEMBLY - Brown, front seat HEADREST ASSEMBLY - Green, front seat HEADREST ASSEMBLY - Gray, front seat HEADREST ASSEMBLY - Gray, front seat HEADREST ASSEMBLY - Tan, front seat HEADREST ASSEMBLY - Green, front seat	2 2 2 2 2 2 2 2	23-1183 to 23-1870 inclusive 23-1183 to 23-1870 inclusive 23-1183 to 23-1870 inclusive 23-1502 to 23-1870 inclusive 23-1871 to 23-2012 inclusive 23-2013 and up 23-2013 and up 23-2013 and up
-3	14175-50		BUSHING - Front seat safety belt attachment	4	
-4	19430-02 19398-02 19398-03 19398-52 19398-53 19727-02 16450-54 19934-02 19727-03 16450-55 19934-03	B B B C C C C D C C D	SEAT ASSEMBLY - Front SEAT ASSEMBLY - Front, left SEAT ASSEMBLY - Front, right SEAT ASSEMBLY - Front, left SEAT ASSEMBLY - Front, right SEAT ASSEMBLY - Front, left SEAT ASSEMBLY - Front, left SEAT ASSEMBLY - Front, left SEAT ASSEMBLY - Front, right SEAT ASSEMBLY - Front, right SEAT ASSEMBLY - Front, right	2 1 1 1 1 1 1 1 1 1 1 1	23-1164 to 23-1182 inclusive 23-1183 to 23-1501 inclusive 23-1183 to 23-1501 inclusive 23-1502 to 23-1870 inclusive 23-1502 to 23-1870 inclusive 23-1871 to 23-1907 inclusive 23-1908 to 23-2012 inclusive 23-2013 and up 23-1871 to 23-1907 inclusive 23-1908 to 23-2012 inclusive 23-2013 and up
-5	19430-17 19398-41 19398-76 19727-10 16450-63 19934-23 16450-75 19934-22	B B C C C D C D	CUSHION AND FRAME ASSEMBLY - Front seat back CUSHION AND FRAME ASSEMBLY - Front seat back CUSHION AND FRAME ASSEMBLY - Front seat back CUSHION ASSEMBLY - Front seat back CUSHION ASSEMBLY - Front seat back, right CUSHION ASSEMBLY - Front seat back, right CUSHION ASSEMBLY - Front seat back, left CUSHION ASSEMBLY - Front seat back, left	1 1 1 1 1 1 1 1	23-1164 to 23-1182 inclusive 23-1183 to 23-1501 inclusive 23-1502 to 23-1870 inclusive 23-1871 to 23-1907 inclusive 23-1908 to 23-2012 inclusive 23-2013 and up 23-1908 to 23-2012 inclusive 23-2013 and up
-5a	17488-00 19388-02		FRAME ASSEMBLY - Front seat, back FRAME ASSEMBLY - Front seat, back	1 1	23-1164 to 23-1182 inclusive 23-1183 and up
-5b	19402-00		BUSHING - Headrest trim	2	

- A - Not used when shoulder harness is installed.
- B - When ordering, specify color red, blue or brown and airplane serial number.
- C - When ordering, specify color red, blue, brown or green and airplane serial number.
- D - When ordering, specify color gray, tan or green and airplane serial number.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
24-6	19430-14	A	CUSHION AND FRAME ASSEMBLY - Front seat bottom	1	23-1164 to 23-1182 inclusive
	19398-35	A	CUSHION AND FRAME ASSEMBLY - Front seat bottom, left	1	23-1183 to 23-1501 inclusive
	19398-36	A	CUSHION AND FRAME ASSEMBLY - Front seat bottom, right	1	23-1183 to 23-1501 inclusive
	19398-60	B	CUSHION AND FRAME ASSEMBLY - Front seat bottom, left	1	23-1502 to 23-1870 inclusive
	19398-61	B	CUSHION AND FRAME ASSEMBLY - Front seat bottom, right	1	23-1502 to 23-1870 inclusive
	19727-26	B	CUSHION ASSEMBLY - Front seat bottom, LH	1	23-1871 to 23-1907 inclusive
	16450-40	B	CUSHION ASSEMBLY - Front seat bottom, LH	1	23-1908 to 23-2012 inclusive
	19934-20	C	CUSHION ASSEMBLY - Front seat bottom, LH	1	23-2013 and up
	19727-27	B	CUSHION ASSEMBLY - Front seat bottom, RH	1	23-1871 to 23-1907 inclusive
	16450-41	B	CUSHION ASSEMBLY - Front seat bottom, RH	1	23-1908 to 23-2012 inclusive
	19934-21	C	CUSHION ASSEMBLY - Front seat bottom, RH	1	23-2013 and up
-7	85012-30		WASHER	2	
-8	86102-56		BUSHING	2	
-9	50111-00		SPRING - Front seat catch plunger	2	
-10	12073-00		PLUNGER ASSEMBLY - Front seat catch	2	
-11	17492-00		HANDLE - Front seat catch release	1	
-12	424 185		PIN - Handle attachment (AN393-33)	2	
-13	18968-00		ROLLER - Seat	4	
-14	14175-43		BUSHING	4	
-15	18081-00		ROLLER - Front seat, rear	8	
-16	18082-00		PLATE - Front seat stop	4	
-17	19392-12		TUBE ASSEMBLY - Reclining mechanism, left	1	23-1183 and up
	19392-13		TUBE ASSEMBLY - Reclining mechanism, right	1	23-1183 and up
-18	19455-00		HANDLE - Seat back adjustment	1	23-1183 and up
-19	19336-00		SPRING - Seat back adjustment, left	1	23-1183 and up
	19336-01		SPRING - Seat back adjustment, right	1	23-1183 and up
-20	480 701		PIN - Roll (59-028-125-0625)	3	23-1183 and up
-21	480 694		PIN - Roll (59-028-126-0562)	1	23-1183 and up
-22	19365-00		CAM - Reclining seat	2	23-1183 and up
-23	19359-00		BRACKET ASSEMBLY - Reclining seat	2	23-1183 and up
-24	19304-00		STOP - Seat back	1	23-1183 and up
-25	19431-02	A	SEAT ASSEMBLY - Center	2	23-1164 to 23-1182 inclusive
	19403-02	A	SEAT ASSEMBLY - Center, LH	1	23-1183 to 23-1501 inclusive
	19403-03	A	SEAT ASSEMBLY - Center, RH	1	23-1183 to 23-1501 inclusive
	19403-17	B	SEAT ASSEMBLY - Center, LH	1	23-1502 to 23-1870 inclusive
	19403-18	B	SEAT ASSEMBLY - Center, RH	1	23-1502 to 23-1870 inclusive
	19732-02	B	SEAT ASSEMBLY - Center, LH	1	23-1871 to 23-1907 inclusive
	16481-18	B	SEAT ASSEMBLY - Center, LH	1	23-1908 to 23-2012 inclusive
	19937-02	C	SEAT ASSEMBLY - Center, LH	1	23-2013 and up
	19732-03	B	SEAT ASSEMBLY - Center, RH	1	23-1871 to 23-1907 inclusive
	16481-19	B	SEAT ASSEMBLY - Center, RH	1	23-1908 to 23-2012 inclusive
	19937-03	C	SEAT ASSEMBLY - Center, RH	1	23-2013 and up

A - When ordering, specify color red, blue or brown and airplane serial number.
 B - When ordering, specify color red, blue, brown or green and airplane serial number.
 C - When ordering, specify color gray, tan or green and airplane serial number.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED	
24-26	19431-08	A	CUSHION ASSEMBLY - Center seat back	1	23-1164 to 23-1182 inclusive	
	19403-14	A	CUSHION ASSEMBLY - Center seat back	1	23-1183 to 23-1501 inclusive	
	19403-27	B	CUSHION ASSEMBLY - Center seat back	1	23-1502 to 23-1870 inclusive	
	19727-10	B	CUSHION ASSEMBLY - Center seat back	1	23-1871 to 23-1907 inclusive	
	16450-63	B	CUSHION ASSEMBLY - Center seat back	1	23-1908 to 23-2012 inclusive	
-27	19934-23	D	CUSHION ASSEMBLY - Center seat back	1	23-2013 and up	
	19431-05	A	CUSHION ASSEMBLY - Center seat bottom	1	23-1164 to 23-1182 inclusive	
	19403-08	A	CUSHION ASSEMBLY - Center seat bottom, LH	1	23-1183 to 23-1501 inclusive	
	19403-09	A	CUSHION ASSEMBLY - Center seat bottom, RH	1	23-1183 to 23-1501 inclusive	
	19403-25	B	CUSHION ASSEMBLY - Center seat bottom, LH	1	23-1502 to 23-1870 inclusive	
	19403-26	B	CUSHION ASSEMBLY - Center seat bottom, RH	1	23-1502 to 23-1870 inclusive	
	19732-10	B	CUSHION ASSEMBLY - Center seat bottom, LH	1	23-1871 to 23-1907 inclusive	
	16481-10	B	CUSHION ASSEMBLY - Center seat bottom, LH	1	23-1908 to 23-2012 inclusive	
	19937-04	D	CUSHION ASSEMBLY - Center seat bottom, LH	1	23-2013 and up	
	19732-11	B	CUSHION ASSEMBLY - Center seat bottom, RH	1	23-1871 to 23-1907 inclusive	
	16481-11	B	CUSHION ASSEMBLY - Center seat bottom, RH	1	23-1908 to 23-2012 inclusive	
	19937-05	D	CUSHION ASSEMBLY - Center seat bottom, RH	1	23-2013 and up	
	-27a	18848-10	D	SKIRT ASSEMBLY - Center seat, red	1	23-1164 to 23-1870 inclusive
		18848-11		SKIRT ASSEMBLY - Center seat, blue	1	23-1164 to 23-1870 inclusive
		18848-12		SKIRT ASSEMBLY - Center seat, brown	1	23-1164 to 23-1870 inclusive
18848-17		SKIRT ASSEMBLY - Center seat, green		1	23-1164 to 23-1870 inclusive	
18848-21		SKIRT ASSEMBLY - Center seat, gray		1	23-1871 to 23-1907 inclusive	
18848-19		SKIRT ASSEMBLY - Center seat, gray		1	23-1908 to 23-2012 inclusive	
18848-23		SKIRT ASSEMBLY - Center seat		1	23-2013 and up	
-28	471 075		KNOB - (#222) Gray	1	23-1164 to 23-2012 inclusive	
	471 093		KNOB - (#222-6654-12) White	1	23-2013 and up	
-29	85012-30		WASHER	2		
-30	86102-56		BUSHING	2		
-31	50111-00		SPRING - Plunger, seat bottom	2		
-32	12073-00		PLUNGER ASSEMBLY - Seat bottom	2		
-33	18788-00		HANDLE - Seat catch release	1		
-34	424 187		PIN - (AN393-37)	2		
-35	18968-00		ROLLER - Seat	4		
-36	14175-43		BUSHING	4		
-37	19392-12		TUBE ASSEMBLY - Reclining mechanism, left	1		
	19392-13		TUBE ASSEMBLY - Reclining mechanism, right	1		
-38	19455-00		HANDLE - Seat back adjustment	1		
-39	19336-00		SPRING - Seat back adjustment, left	1		
	19336-01		SPRING - Seat back adjustment, right	1		
-40	480 701		PIN - Roll (59-028-125-0625)	3		
-41	480 694		PIN - Roll (59-028-165-0562)	1		
-42	19365-00		CAM - Reclining seat	2		
-43	19359-00		BRACKET ASSEMBLY - Reclining seat	2		
-44	19304-00		STOP - Seat back	1		
-45	18928-06	C	HARNESS ASSEMBLY - Shoulder, black	4	23-1164 to 23-1870 inclusive	
	18928-08	C	HARNESS ASSEMBLY - Shoulder, gray	4	23-1871 and up	
-46	19798-00		PLACARD - Seat latch	2		

- A - When ordering, specify color red, blue or brown and airplane serial number.
- B - When ordering, specify color red, blue, brown or green and airplane serial number.
- C - This assembly includes the safety belt.
- D - When ordering, specify color gray, tan or green and airplane serial number.

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

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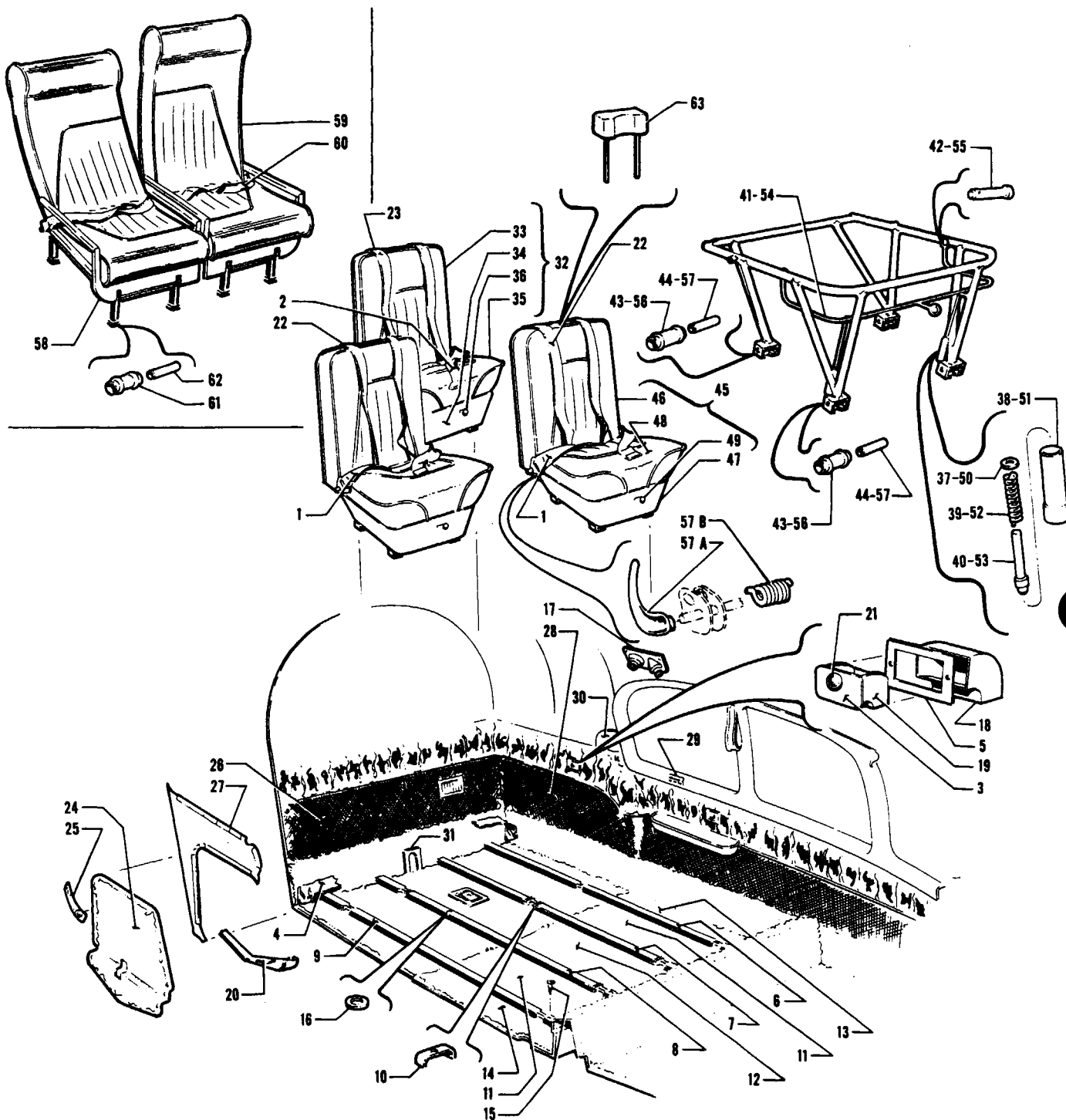


Figure 25. Reclining Seats (Serial Nos. 23-1 to 23-1870 inclusive)
 Center Seats (Serial Nos. 23-1 to 23-1163 inclusive)
 Fifth Seat (Serial Nos. 23-1 and up)
 Headrests (Serial Nos. 23-1183 and up)



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
25-	18920 19400		DRAWING - Seats Installation (Special) DRAWING - Seats Installation (Special)		23-1 to 23-1196 inclusive 23-1197 and up
-1	13947-02 13947-11	A A	BELT ASSEMBLY - Safety, brown, center seat BELT ASSEMBLY - Safety, black, center seat	2 2	23-1 to 23-375 inclusive 23-376 to 23-1163 inclusive
-2	13947-08 25801-02 13947-33 13947-46 13947-52	A A A A A	BELT ASSEMBLY - Safety, rear seat, brown BELT ASSEMBLY - Safety, rear seat, black BELT ASSEMBLY - Safety, rear seat, gray BELT ASSEMBLY - Safety, rear seat, brown BELT ASSEMBLY - Safety, rear seat, green	1 1 1 1 1	23-1 to 23-375 inclusive 23-376 to 23-1870 inclusive 23-1871 and up 23-2013 and up 23-2013 and up
-3	13950-00		PANEL - Ash tray	1	
-4	17872-04 17872-03		STRAP ASSEMBLY - Baggage tie down, black STRAP ASSEMBLY - Baggage tie down, brown	1 1	
-5	18467-00		PLATE - Ash box retaining	1	
-6	18779-06	B	TRACK - Seat, left outboard	1	
-7	18779-07	B	TRACK - Seat, left inboard	1	
-8	18779-08	B	TRACK - Seat, right inboard	1	
-9	18779-09	B	TRACK - Seat, right outboard	1	
-10	18842-00		STOP - Seat	5	
-11	18917-06 18917-02 18917-10		CARPET - Rear inboard, brown CARPET - Rear inboard gray CARPET - Rear inboard, dark gray	2 2 2	23-1 to 23-375 inclusive 23-376 to 23-739 inclusive 23-740 to 23-1163 inclusive
-12	18917-07 18917-03 18917-11		CARPET - Rear center, brown CARPET - Rear center, gray CARPET - Rear center, dark gray	1 1 1	23-1 to 23-375 inclusive 23-376 to 23-739 inclusive 23-740 to 23-1163 inclusive
-13	18917-08 18917-04 18917-12		CARPET - Rear left outboard, brown CARPET - Rear left outboard, gray CARPET - Rear left outboard, dark gray	1 1 1	23-1 to 23-375 inclusive 23-376 to 23-739 inclusive 23-740 to 23-1163 inclusive
-14	18917-09 18917-05 18917-13		CARPET - Rear right outboard, brown CARPET - Rear right outboard, gray CARPET - Rear right outboard, dark gray	1 1 1	23-1 to 23-375 inclusive 23-376 to 23-739 inclusive 23-740 to 23-1163 inclusive
-15	410 044		SCREW - (AN509-10R-17)	20	
-16	80122-10		WASHER - Seat track attachment	2	
-17	492 321 492 323		VENT - Dual air, ivory VENT - Dual air, black	1 1	23-1 to 23-375 inclusive 23-376 to 23-1163 inclusive
-18	484 385		RETAINER - Ash box	1	
-19	463 141		BOX ASSEMBLY - Ash	1	
-20	18923-00		PLACARD - Baggage (weight limitation)	1	
-21	18875-06 471 051		KNOB - Ash box, black KNOB - Ash box, brown	1 1	
-22	18928-06 18928-07	C C	HARNESS ASSEMBLY - Shoulder, black, center HARNESS ASSEMBLY - Shoulder, brown, center	2 2	
-23	18928-06 18928-07	C C	HARNESS ASSEMBLY - Shoulder, black, fifth HARNESS ASSEMBLY - Shoulder, brown, fifth	1 1	
-24	18931-07 18931-00 18931-12		PANEL ASSEMBLY - Baggage door, brown PANEL ASSEMBLY - Baggage door, gray PANEL ASSEMBLY - Baggage door, dark gray	1 1 1	23-1 to 23-375 inclusive 23-376 to 23-739 inclusive 23-740 to 23-1163 inclusive

A - This safety belt is not used when shoulder harness is installed.
B - Optional on airplanes 23-1 to 23-1163 inclusive.
Standard on airplanes 23-1164 and up.
C - This assembly includes the safety belt.

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

RECLINING SEATS (Serial Nos. 23-1 to 23-1870 incl)
 CENTER SEATS (Serial Nos. 23-1 to 23-1163 incl.)
 FIFTH SEAT (Serial Nos. 23-1 and up)
 HEADRESTS (Serial Nos. 23-1183 and up)



SECTION II
 Fuselage Group

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
25-25	18933-03		STRAP ASSEMBLY - Baggage door, brown	1	23-1 to 23-375 inclusive
	18933-00		STRAP ASSEMBLY - Baggage door, gray	1	23-376 to 23-746 inclusive
	18933-05		STRAP ASSEMBLY - Baggage door, dark gray	1	23-747 and up
-26	18863-12		PANEL - Baggage compartment, rear, brown	1	23-1 to 23-375 inclusive
	18863-02	A	PANEL - Baggage compartment, rear	1	23-376 to 23-739 inclusive
	18863-21	B	PANEL - Baggage compartment, rear	1	23-740 to 23-1163 inclusive
-27	18921-11		PANEL - Baggage compartment, right side, brown	1	23-1 to 23-375 inclusive
	18921-02	A	PANEL - Baggage compartment, right side	1	23-376 to 23-739 inclusive
-28	18921-19	B	PANEL - Baggage compartment, right side	1	23-740 to 23-1163 inclusive
	18918-11		PANEL - Baggage compartment, left side, brown	1	23-1 to 23-375 inclusive
-29	18918-02	A	PANEL - Baggage compartment, left side	1	23-376 to 23-739 inclusive
	18918-19	B	PANEL - Baggage compartment, left side	1	23-740 to 23-1163 inclusive
-30	19798-00		PLACARD	2	
-31	19040-02		PLATE ASSEMBLY - Trim, left, brown	1	23-1 to 23-375 inclusive
	19040-03		PLATE ASSEMBLY - Trim, right, brown	1	23-1 to 23-375 inclusive
	19040-00		PLATE ASSEMBLY - Trim, left, gray	1	23-376 to 23-1163 inclusive
	19040-01		PLATE ASSEMBLY - Trim, right, gray	1	23-376 to 23-1163 inclusive
-32	19057-03		PLATE ASSEMBLY - Cover, brown	1	23-1 to 23-375 inclusive
	19057-02		PLATE ASSEMBLY - Cover, gray	1	23-376 to 23-739 inclusive
	19057-07		PLATE ASSEMBLY - Cover, dark gray	1	23-740 to 23-1163 inclusive
	19000-04		SEAT ASSEMBLY - Rear, brown	1	23-1 to 23-375 inclusive
-33	19000-02	A	SEAT ASSEMBLY - Rear	1	23-376 to 23-389 inclusive
	18913-31	A	SEAT ASSEMBLY - Rear	1	23-390 to 23-746 inclusive
	19235-02	B	SEAT ASSEMBLY - Rear	1	23-747 to 23-1163 inclusive
	19399-02	C	SEAT ASSEMBLY - Rear	1	23-1164 to 23-1501 inclusive
	19399-14	D	SEAT ASSEMBLY - Rear	1	23-1502 to 23-1870 inclusive
	19724-13	D	SEAT ASSEMBLY - Rear	1	23-1871 to 23-1907 inclusive
	16499-16	D	SEAT ASSEMBLY - Rear	1	23-1908 to 23-2012 inclusive
	19935-00	E	SEAT ASSEMBLY - Rear	1	23-2013 and up
	19000-17		CUSHION ASSEMBLY - Rear seat, back, brown	1	23-1 to 23-375 inclusive
	19000-15	A	CUSHION ASSEMBLY - Rear seat, back	1	23-376 to 23-389 inclusive
18913-29	A	CUSHION ASSEMBLY - Rear seat, back	1	23-390 to 23-746 inclusive	
19235-05	B	CUSHION ASSEMBLY - Rear seat, back	1	23-747 to 23-1163 inclusive	
19432-14	C	CUSHION ASSEMBLY - Rear seat, back	1	23-1164 to 23-1196 inclusive	
19399-08	C	CUSHION ASSEMBLY - Rear seat, back	1	23-1197 to 23-1501 inclusive	
19399-22	D	CUSHION ASSEMBLY - Rear seat, back	1	23-1502 to 23-1870 inclusive	
19724-17	D	CUSHION ASSEMBLY - Rear seat, back	1	23-1871 to 23-1907 inclusive	
16499-21	D	CUSHION ASSEMBLY - Rear seat, back	1	23-1908 to 23-2012 inclusive	
19935-03	E	CUSHION ASSEMBLY - Rear seat, back	1	23-2013 and up	

- A - When ordering, specify color red or blue and airplane serial number.
- B - When ordering, specify color red, blue or rose and airplane serial number.
- C - When ordering, specify color red, blue or brown and airplane serial number.
- D - When ordering, specify color red, blue, brown or green and airplane serial number.
- E - When ordering, specify color gray, tan or green and airplane serial number.

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

SECTION II
Fuselage Group



RECLINING SEATS (Serial Nos. 23-1 to 23-1870 incl.)
CENTER SEATS (Serial Nos. 23-1 to 23-1163 incl.)
FIFTH SEAT (Serial Nos. 23-1 and up)
HEADRESTS (Serial Nos. 23-1183 and up)

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req	SERIAL NUMBERS AFFECTED	
25-34	18847-06		SKIRT ASSEMBLY - Rear seat, brown	1	23-1 to 23-375 inclusive	
	18847-02		SKIRT ASSEMBLY - Rear seat, red	1	23-376 to 23-1163 inclusive	
	18847-03		SKIRT ASSEMBLY - Rear seat, blue	1	23-376 to 23-1163 inclusive	
	18847-08		SKIRT ASSEMBLY - Rear seat, rose	1	23-747 to 23-1163 inclusive	
	18847-10		SKIRT ASSEMBLY - Rear seat, red	1	23-1164 to 23-1870 inclusive	
	18847-12		SKIRT ASSEMBLY - Rear seat, brown	1	23-1164 to 23-1870 inclusive	
	18847-14		SKIRT ASSEMBLY - Rear seat, brown	1	23-1164 to 23-1870 inclusive	
	18847-17		SKIRT ASSEMBLY - Rear seat, green	1	23-1502 to 23-1870 inclusive	
	18847-21		SKIRT ASSEMBLY - Rear seat, green	1	23-1871 to 23-2012 inclusive	
	18847-23	E	SKIRT ASSEMBLY - Rear seat	1	23-2013 and up	
	-35	19000-20		CUSHION ASSEMBLY - Rear seat bottom, brown	1	23-1 to 23-375 inclusive
		19000-18	A	CUSHION ASSEMBLY - Rear seat bottom	1	23-376 to 23-389 inclusive
		18913-12	A	CUSHION ASSEMBLY - Rear seat bottom	1	23-390 to 23-746 inclusive
		19235-08	B	CUSHION ASSEMBLY - Rear seat bottom	1	23-747 to 23-1163 inclusive
19432-17		C	CUSHION ASSEMBLY - Rear seat bottom	1	23-1164 to 23-1196 inclusive	
19399-11		C	CUSHION ASSEMBLY - Rear seat bottom	1	23-1197 to 23-1501 inclusive	
19399-23		D	CUSHION ASSEMBLY - Rear seat bottom	1	23-1502 to 23-1870 inclusive	
19724-21		D	CUSHION ASSEMBLY - Rear seat bottom	1	23-1871 to 23-1907 inclusive	
16499-07		D	CUSHION ASSEMBLY - Rear seat bottom	1	23-1908 to 23-2012 inclusive	
19935-02		E	CUSHION ASSEMBLY - Rear seat bottom	1	23-2013 and up	
-36	17457-02		KNOB - Brown	1		
	18875-06		KNOB - Black	1		
	471 075		KNOB - (#222) Gray	1		
	471 093		KNOB - (#222-6654-13) White	1	23-2013 and up	
-37	85012-30		WASHER	2		
-38	86102-56		BUSHING	2		
-39	50111-00		SPRING - Plunger, seat bottom	2		
-40	12073-00		PLUNGER ASSEMBLY - Seat bottom	2		
-41	18788-00		HANDLE - Seat catch release	1		
-42	424 187		PIN - (AN393-37)	2		
-43	18968-00		ROLLER - Seat	4		
-44	14175-43		BUSHING - Seat roller	4		
-45	19004-04		SEAT ASSEMBLY - Center, brown	2	23-1 to 23-375 inclusive	
	19004-02	A	SEAT ASSEMBLY - Center	2	23-376 to 23-389 inclusive	
	18860-41	A	SEAT ASSEMBLY - Center	2	23-390 to 23-746 inclusive	
	19221-02	B	SEAT ASSEMBLY - Center	2	23-747 to 23-1163 inclusive	
-46	19004-07		CUSHION ASSEMBLY - Center seat back, brown	1	23-1 to 23-375 inclusive	
	19004-05	A	CUSHION ASSEMBLY - Center seat back	1	23-376 to 23-389 inclusive	
	18860-36	A	CUSHION ASSEMBLY - Center seat back	1	23-390 to 23-746 inclusive	
	19221-21	B	CUSHION ASSEMBLY - Center seat back	1	23-747 to 23-1163 inclusive	
-47	18848-06		SKIRT ASSEMBLY - Center seat, brown	1	23-1 to 23-375 inclusive	
	18848-02		SKIRT ASSEMBLY - Center seat, red	1	23-376 to 23-1163 inclusive	
	18848-03		SKIRT ASSEMBLY - Center seat, blue	1	23-376 to 23-1163 inclusive	
	18848-08		SKIRT ASSEMBLY - Center seat, rose	1	23-747 to 23-1163 inclusive	

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- C - When ordering, specify color red, blue or brown and airplane serial number.
- D - When ordering, specify color red, blue, brown or green and airplane serial number.
- E - When ordering, specify color gray, tan or green and airplane serial number.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
25-48	19004-10		CUSHION ASSEMBLY - Center seat bottom, brown	1	23-1 to 23-375 inclusive
	19004-08	A	CUSHION ASSEMBLY - Center seat bottom	1	23-376 to 23-389 inclusive
	18860-21	A	CUSHION ASSEMBLY - Center seat bottom	1	23-390 to 23-746 inclusive
	19221-24	B	CUSHION ASSEMBLY - Center seat bottom	1	23-747 to 23-1163 inclusive
-49	17457-02		KNOB - Brown	1	
	18875-06		KNOB - Black	1	
	471 075		KNOB - (#222) Gray	1	
-50	85012-30		WASHER	2	
-51	86102-56		BUSHING	2	
-52	50111-00		SPRING - Plunger, seat bottom	2	
-53	12073-00		PLUNGER ASSEMBLY - Seat bottom	2	
-54	18788-00		HANDLE - Seat catch release	1	
-55	424 187		PIN - (AN393-37)	2	
-56	18968-00		ROLLER - Seat	4	
-57	14175-43		BUSHING	4	
-57a	19455-00		HANDLE - Seat back adjustment	1	23-1183 and up
-57b	19336-00		SPRING - Seat back adjustment, LH	1	23-1183 and up
	19336-01		SPRING - Seat back adjustment, RH	1	23-1183 and up
-58	18999-03		SEAT ASSEMBLY - Reclining, right, brown	1	23-1 to 23-375 inclusive
	18999-05	A	SEAT ASSEMBLY - Reclining, right	1	23-376 to 23-389 inclusive
	18937-03	A	SEAT ASSEMBLY - Reclining, right	1	23-390 to 23-746 inclusive
	19234-03	B	SEAT ASSEMBLY - Reclining, right	1	23-747 to 23-1163 inclusive
	19463-03	C	SEAT ASSEMBLY - Reclining, right	1	23-1164 to 23-1501 inclusive
	19463-77	D	SEAT ASSEMBLY - Reclining, right	1	23-1502 to 23-1870 inclusive
-59	18999-02		SEAT ASSEMBLY - Reclining, left, brown	1	23-1 to 23-375 inclusive
	18999-04	A	SEAT ASSEMBLY - Reclining, left	1	23-376 to 23-389 inclusive
	18937-02	A	SEAT ASSEMBLY - Reclining, left	1	23-390 to 23-746 inclusive
	19234-02	B	SEAT ASSEMBLY - Reclining, left	1	23-747 to 23-1163 inclusive
	19463-02	C	SEAT ASSEMBLY - Reclining, left	1	23-1164 to 23-1501 inclusive
	19463-76	D	SEAT ASSEMBLY - Reclining, left	1	23-1502 to 23-1870 inclusive
-60	13947-02		BELT ASSEMBLY - Safety, brown	1	
	13947-11		BELT ASSEMBLY - Safety, black	1	
-61	18968-00		ROLLER - Seat	4	
-62	14175-43		BUSHING - Seat roller	4	
-63	19341-10		HEADREST ASSEMBLY - Red	2	23-1183 to 23-1870 inclusive
	19341-06		HEADREST ASSEMBLY - Blue	2	23-1183 to 23-1870 inclusive
	19341-02		HEADREST ASSEMBLY - Brown	2	23-1183 to 23-1870 inclusive
	19341-17		HEADREST ASSEMBLY - Green	2	23-1502 to 23-1870 inclusive
	16510-22		HEADREST ASSEMBLY - Gray	2	23-1871 to 23-2012 inclusive
	19943-02	E	HEADREST ASSEMBLY	2	23-2013 and up

- A - When ordering, specify color red or blue and airplane serial number.
- B - When ordering, specify color red, blue or rose and airplane serial number.
- C - When ordering, specify color red, blue or brown and airplane serial number.
- D - When ordering, specify color red, blue, brown or green and airplane serial number.
- E - When ordering, specify color gray, tan or green and airplane serial number.

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

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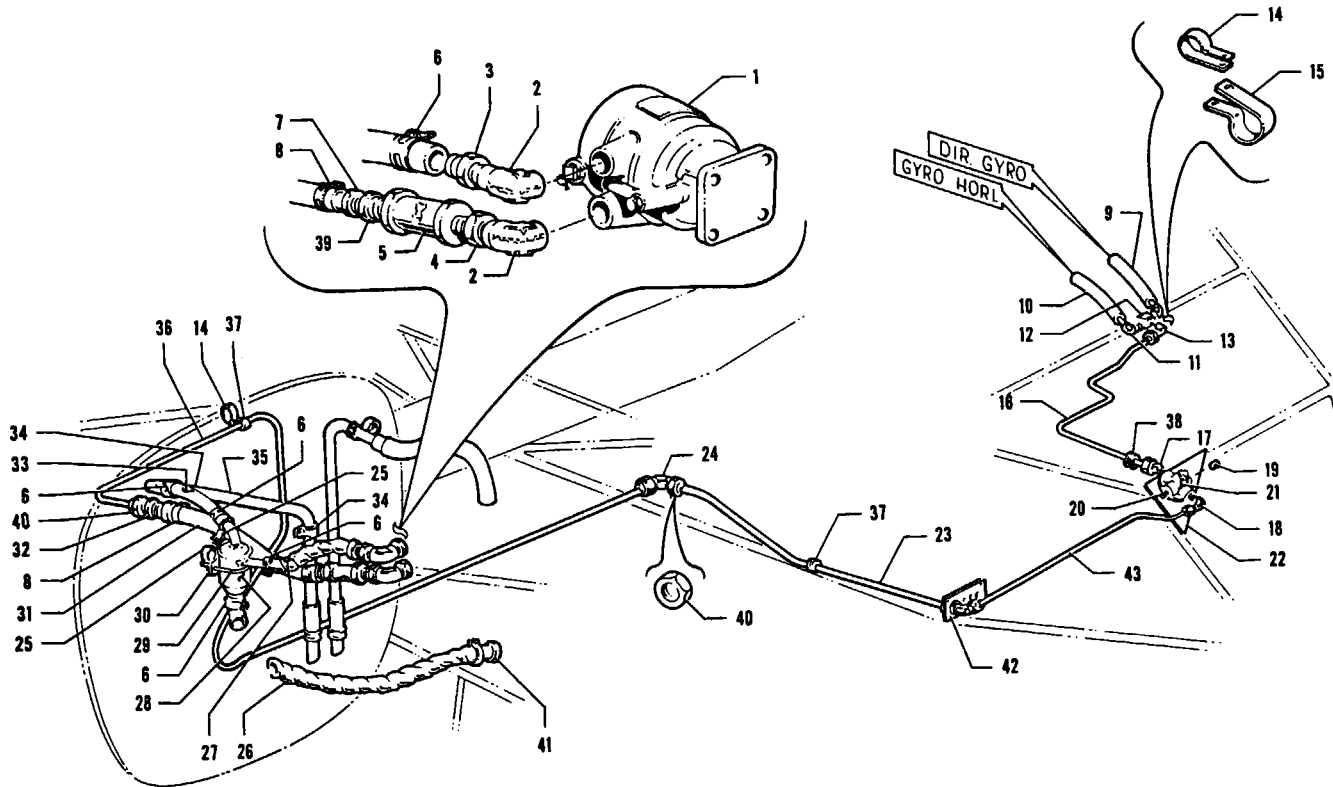


Figure 26. Vacuum Pump Installation



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
26-	17846 19572		DRAWING - Miscellaneous Air and Fluid Lines DRAWING - Miscellaneous Air and Fluid Lines		23-1 to 23-1501 inclusive 23-1502 and up
-1	481 667		PUMP - Vacuum	1	
-2	458 918		ELBOW - (AN914-3D)	2	
-3	451 861		ADAPTER - (AN840-9D)	1	
-4	476 645		NIPPLE - (AN911-3D)	1	
-5	492 029		VALVE - Check (Vacuum)	1	
-6	454 882		CLAMP - Hose, 1"	6	
-7	451 858		ADAPTER - (AN840-6D)	1	
-8	554 871		CLAMP - GS6SS Type "F"	2	
-9	82371-33		HOSE - Flexible	1	
-10	82371-32 82371-87		HOSE - Flexible HOSE - Flexible	1 1	23-1 to 23-1501 inclusive 23-1502 and up
-11	458 928		ELBOW - (AN842-6D)	2	
-12	488 322		TEE - (AN917-2D)	1	
-13	458 895		ELBOW - (AN822-6D)	1	
-14	454 940		CLAMP - Tinnerman (A2980S-12-1)	7	
-15	454 941		CLAMP - Tinnerman (A2980S-14-1)	2	
-16	17810-00		LINE ASSEMBLY - Vacuum	1	
-17	458 892 458 886		ELBOW - (AN823-6D) ELBOW - (AN823-8D)	2 1	23-1 to 23-1870 inclusive 23-1871 and up
-18	458 898		ELBOW - (AN822-8D)	1	23-1871 and up
-19	580 887		PLUG - (AN932-2)	1	
-20	580 914		PLUG - (AN932-3)	1	
-21	492 059	A	VALVE - Suction regulator	1	
-22	17831-00 19780-00		PLATE - Suction regulating valve PLATE - Suction regulating valve	1 1	23-1 to 23-1870 inclusive 23-1871 and up
-23	17811-00 17811-07		LINE ASSEMBLY - Vacuum LINE ASSEMBLY - Vacuum	1 1	23-1 to 23-1870 inclusive 23-1871 and up
-24	458 901		ELBOW - (AN833-6D)	1	
-25	454 886		CLAMP - Tinnerman (A4886S-10-24)	8	
-26	82371-42		HOSE - Flexible	1	
-27	82371-41		HOSE - Flexible	1	
-28	486 380		SEPARATOR ASSEMBLY - Oil	1	
-29	18291-00		ROD - Oil separator attachment	1	
-30	16546-00		ANGLE - Oil separator attachment	1	
-31	82371-57		HOSE - Flexible	1	
-32	451 852		ADAPTER - (AN807-6D)	1	
-33	82371-40 455 149		HOSE - Flexible (4-1/2") HOSE - Flexible (3-1/2")	1 1	
-34	454 935		CLAMP - Tinnerman (A4980S-10-91)	2	
-35	18713-00 18906-00 18906-03		LINE ASSEMBLY - Oil separator discharge LINE ASSEMBLY - Oil separator discharge LINE ASSEMBLY - Oil separator discharge	1 1 1	23-1 to 23-746 inclusive 23-747 to 23-1501 inclusive 23-1502 and up
-36	17809-00		LINE ASSEMBLY - Vacuum	1	
-37	454 930		CLAMP - Tinnerman (A480S-6-91)	2	
-38	434 142		GROMMET - (AN931-14-20)	1	
-39	453 617		BUSHING - (AN912-2D)	2	

A - Not available. Suction Regulating Valve Replacement Kit 756 765 will be supplied as a replacement. If Kit 756 765 has previously been installed, order Valve Assembly 492 066.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
26-40 -41 -42 -43	477 620 18936-00 19627-02 19786-00		NUT - (AN925-6D) NIPPLE - Hose (Special) PLATE - Tube support LINE ASSEMBLY - Vacuum	2 1 1 1	

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

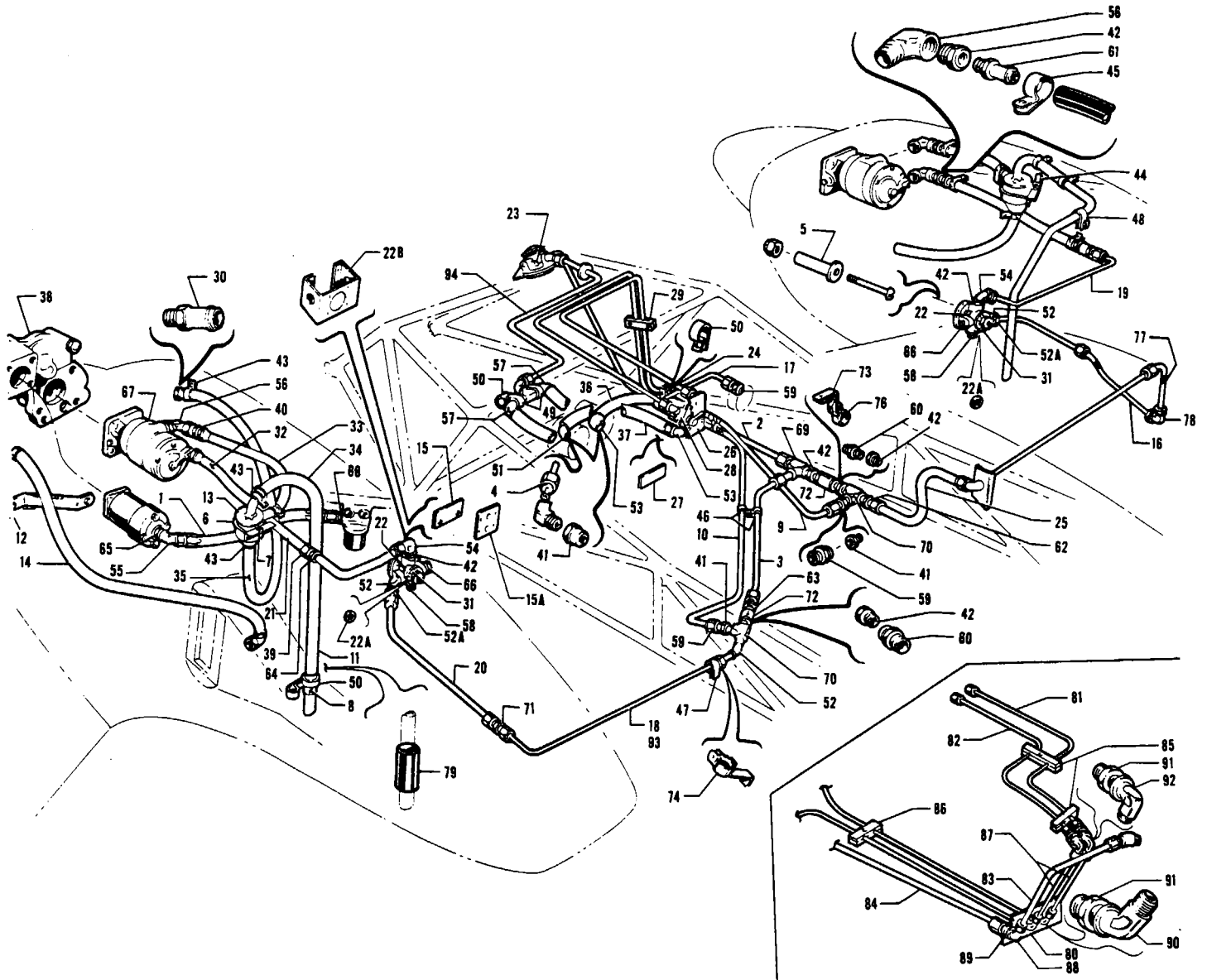


Figure 27. Dual Vacuum Pump Installation



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
27-	18639 19571 23-7152	A E	DRAWING - Dual Vacuum System Installation DRAWING - Dual Vacuum System Installation DRAWING - Dual Vacuum System Installation		23-1 to 23-1501 inclusive
-1	17766-08 17766-11	B CD	HOSE ASSEMBLY HOSE ASSEMBLY	1 1	
-2	17811-03		LINE ASSEMBLY	1	23-1 to 23-1544 inclusive
-3	17811-05 16567-00		LINE ASSEMBLY LINE ASSEMBLY	1 1	23-1 to 23-1994 inclusive 23-1995 and up
-4	17881-03		LINE ASSEMBLY	4	
-5	18064-02		BUSHING ASSEMBLY	8	23-1 to 23-1994 inclusive
-6	18291-00		ROD	1	
-7	16546-00		ANGLE	1	
-8	18331-00 82371-86		HOSE HOSE	1 1	23-1 to 23-1994 inclusive 23-1995 and up
-9	18578-03 18578-11		TUBE ASSEMBLY TUBE ASSEMBLY	1 1	23-1 to 23-1544 inclusive 23-1545 and up
-10	18578-04 18578-13 18578-17		TUBE ASSEMBLY TUBE ASSEMBLY TUBE ASSEMBLY	1 1 1	23-1 to 23-1544 inclusive 23-1545 to 23-1994 inclusive 23-1995 and up
-11	18768-00 18906-02 18906-04 18906-03		LINE ASSEMBLY - Oil separator discharge LINE ASSEMBLY - Oil separator discharge LINE ASSEMBLY - Oil separator discharge, LH LINE ASSEMBLY - Oil separator discharge, RH	1 1 1 1	23-1 to 23-746 inclusive 23-747 to 23-1501 inclusive 23-1502 and up 23-1502 and up
-12	18769-00		BRACE	1	
-13	486 380		OIL SEPARATOR ASSEMBLY	1	
-14	28599-03		HOSE ASSEMBLY	1	23-1 to 23-1967 inclusive
-15	18889-00 18889-02 19892-00		PLACARD PLACARD PLATE - Vacuum adjustment	2 2 2	23-1 to 23-1870 inclusive 23-1871 to 23-1994 inclusive 23-1995 and up
-15a	19893-00		GASKET - Vacuum adjustment plate	2	23-1995 and up
-16	19106-00 19107-07		LINE ASSEMBLY - Vacuum LINE ASSEMBLY - Vacuum	1 1	23-1 to 23-1967 inclusive 23-1968 to 23-1994 inclusive
-17	18891-03 18891-05		LINE ASSEMBLY - Vacuum LINE ASSEMBLY - Vacuum	1 1	23-1 to 23-1501 inclusive 23-1502 and up
-18	18892-00 19901-00		LINE ASSEMBLY LINE ASSEMBLY	1 1	23-1 to 23-1994 inclusive 23-1995 and up
-19	18893-00		LINE ASSEMBLY	1	23-1 to 23-1994 inclusive

A - Used on PA-23-150, PA-23-160 with serial nos. 23-1502 to 23-1976, 23-1978 to 23-1980, 23-1982, 23-1983 and 23-1988 to 23-2043.

B - Used when New York hydraulic pump #481 663 (#67B025) or Pesco hydraulic pump #481 677 (#012151-011-01) is installed.

C - Used when Pesco hydraulic pump #481 675 (#012023-014) is installed.

D - Used when Pesco hydraulic pump #481 672

E - Used on PA-23-160 with serial nos. 23-1977, 23-1981, 23-1984 to 23-1987 and 23-2044 to 23-2046.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
27-20	18894-00		LINE ASSEMBLY	1	23-1 to 23-1870 inclusive
	18894-05		LINE ASSEMBLY	1	23-1871 to 23-1994 inclusive
	82371-91		HOSE - Flexible	1	23-1995 and up
-21	18895-00		LINE ASSEMBLY	1	23-1 to 23-1994 inclusive
-22	492 059	AB	VALVE ASSEMBLY - Suction regulating	2	23-1 to 23-1994 inclusive
	492 066		VALVE ASSEMBLY - Suction regulating	2	23-2395 and up
-22a	751 815	C	FILTER - Regulating valve (#B3-5-1)	1	
-22b	19782-00		BRACKET - Suction valve mounting	2	23-1871 to 23-1994 inclusive
-23	492 064		VALVE - Suction regulating	1	23-1 to 23-1994 inclusive
-24	18897-00		BLOCK	2	23-1 to 23-1994 inclusive
	19639-00		BLOCK	2	23-1995 and up
-25	18899-00		LINE ASSEMBLY	1	23-1 to 23-1994 inclusive
	16676-00		LINE ASSEMBLY	1	23-1995 and up
-26	18907-00		PLACARD	1	
-27	18908-00		DECAL	1	
-28	18930-00		VALVE	1	
-29	18935-00		BLOCK	6	23-1 to 23-1544 inclusive
-30	18936-00		NIPPLE - Hose (Special)	2	
-31	80122-82		WASHER	2	23-1 to 23-1994 inclusive
-32	82371-32		HOSE - Flexible	1	23-1 to 23-1994 inclusive
	82371-45		HOSE - Flexible, LH	1	23-1995 and up
	61541-12		HOSE - Flexible, RH	1	23-1995 and up
-33	82371-62		HOSE - Flexible, LH	1	
	82371-41		HOSE - Flexible, RH	1	
-34	82371-67		HOSE - Flexible (7")	1	
	455 149		HOSE - Flexible (3-1/2")	1	
-35	82371-68		HOSE - Flexible, LH	1	
	82371-42		HOSE - Flexible, RH	1	
-36	83161-11		HOSE - Flexible	1	23-1 to 23-1501 inclusive
	83161-19		HOSE - Flexible	1	23-1502 to 23-1967 inclusive
	83161-18		HOSE - Flexible	1	23-1968 and up
-37	83161-12		HOSE - Flexible	1	23-1 to 23-1501 inclusive
	83161-17		HOSE - Flexible	1	23-1502 and up
-38		D	KIT ASSEMBLY - Dual drive, Lycoming (#66912)	1	
-39	451 852		ADAPTER - (AN807-6D)	1	23-1 to 23-1994 inclusive
-40	451 861		ADAPTER - (AN840-9D)	2	
-41	453 616		BUSHING - (AN912-1D)	4	23-1 to 23-1994 inclusive
	453 618		BUSHING - (AN912-3D)	1	23-1995 inclusive
-42	453 617		BUSHING - (AN912-2D)	6	23-1 to 23-1994 inclusive
-43	454 882		CLAMP - Hose, 1"	6	
-44	454 886		CLAMP - (#A4886S-10-24)	2	
-45	554 871		CLAMP - (#GS6SS Type "F")	2	23-1 to 23-1994 inclusive
	454 949		CLAMP - (#A3122-16-1)	2	23-1995 and up
-46	454 928		CLAMP - (#A4980S-91)	4	23-1 to 23-1994 inclusive
-47	454 930		CLAMP - (#A4980S-6-91)	2	
-48	454 935		CLAMP - (#A4980S-10-91)	2	
-49	454 940		CLAMP - (#A2980S-12-1)	2	23-1 to 23-1994 inclusive
	454 942		CLAMP - (#A2980S-16-1)	2	23-1995 and up

A - Order valve mounting bracket number 19782-00 for all airplanes prior to serial number 23-1871.
 B - Not available. Suction Regulating Valve Replacement Kit 756 765 will be supplied as a replacement. If Kit 756 765 has previously been installed, order Valve Assembly 492 066.
 C - Used with 492 066 regulating valve.
 D - Secure from Lycoming, Division-Avco Corporation, Williamsport, Pennsylvania.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
27-50	454 941		CLAMP - (#A2980S-14-1)	4	23-1 to 23-1994 inclusive
-51	458 888		ELBOW - (AN823-3D)	1	
-52	458 892		ELBOW - (AN823-6D)	2	23-1 to 23-746 inclusive
	458 895		ELBOW - (AN822-6D)	2	23-747 to 23-1870 inclusive
	458 886		ELBOW - (AN823-8D)	2	23-1871 to 23-1994 inclusive
	476 664		NIPPLE - (AN816-8D)	1	23-1995 and up
-52a	451 873		ADAPTER - (W/H #3206 x 4)	2	23-1 to 23-1870 inclusive
-53	458 893		ELBOW - (AN822-3D)	5	
-54	458 892		ELBOW - (AN823-6D)	2	23-1 to 23-746 inclusive
	458 895		ELBOW - (AN822-6D)	2	23-747 to 23-1870 inclusive
	458 898		ELBOW - (AN822-8D)	2	23-1871 to 23-1994 inclusive
-55	484 350	A	REDUCER - (AN919-3D)	1	
	458 895	C	ELBOW - (AN822-6D)	1	
	458 878	B	ELBOW - (AN833-5D)	1	
-56	458 918		ELBOW - (AN914-3D) RH, top	3	
	458 883		ELBOW - (AN915-3D) LH, bottom	1	
-57	458 928		ELBOW - (AN842-6D)	2	
-58	460 669		PLUG - (AN932-2)	2	23-1 to 23-1994 inclusive
-59	476 647		NIPPLE - (AN816-3D)	4	23-1 to 23-1994 inclusive
	458 888		ELBOW - (AN823-3D) 45°	1	23-1995 and up
	458 893		ELBOW - (AN822-3D) 90°	1	23-1995 and up
-60	476 651		NIPPLE - (AN911-2D)	2	23-1 to 23-1994 inclusive
	476 645		NIPPLE - (AN911-3D)	2	23-1995 and up
-61	476 652		ADAPTER - (AN840-6D)	2	23-1 to 23-1994 inclusive
	451 861		ADAPTER - (AN840-9D)	2	23-1995 and up
-62	476 662		NIPPLE - (AN816-6D)	1	23-1 to 23-1994 inclusive
	458 898		ELBOW - (AN822-8D)	1	23-1995 and up
-63	476 663		NIPPLE - (AN816-6-6D)	1	23-1 to 23-1994 inclusive
	476 664		NIPPLE - (AN816-8D)	1	23-1995 and up
-64	477 620		NUT - (AN924-6D)	2	23-1 to 23-1994 inclusive
-65	462 028	A	GASKET - (AN6290-5)	1	
	453 617	C	BUSHING - (AN912-2D)	1	
	453 681	B	REDUCER - (AN893-7D)	1	
	477 623	B	NUT - (AN924-5D)	1	
	462 029	B	GASKET - (AN6290-6)	1	
	462 028	B	GASKET - (AN6290-5)	1	
-66	480 937		PLUG - (AN932-3)	2	23-1 to 23-1994 inclusive
-67	481 667		PUMP - Vacuum B-11	1	
-68	484 350		REDUCER - (AN919-3D)	1	
-69	488 314		TEE - (AN826-6D)	1	23-1 to 23-1994 inclusive
	488 308		TEE - (AN826-8D)	1	23-1995 and up
-70	488 322		TEE - (AN917-2D)	2	23-1 to 23-1994 inclusive
	488 323		TEE - (AN917-3D)	1	23-1995 and up
-71	491 052		UNION - (AN815-6D)	1	23-1 to 23-1994 inclusive
-72	492 029		VALVE - Check (#2-2844-75)	1	
-73	19015-00		ANGLE ASSEMBLY - Check valve support	1	

A - Used when New York hydraulic pump #481 663 (#67B025) or Pesco hydraulic pump #481 677 (#012151-011-01) is installed.
 B - Used when Pesco hydraulic pump #481 675 (#012023-014) is installed.
 C - Used when Pesco hydraulic pump #481 672 (#1P-677) is installed.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
27-74	19018-00		BRACKET ASSEMBLY - Vacuum line support	1	
-75	80032-80		CLAMP - Round	1	
-76	80032-82		CLAMP - Round	1	
-77	19107-00		LINE ASSEMBLY - Vacuum	1	23-1 to 23-1994 inclusive
	19908-00		LINE ASSEMBLY - Vacuum	1	23-1995 and up
-78	458 882		ELBOW - (AN821-6D)	1	23-1 to 23-1994 inclusive
-79	82371-20		HOSE - Vacuum line drain	2	23-747 to 23-1501 inclusive
	82371-86		HOSE - Vacuum line drain	2	23-1502 to 23-1994 inclusive
-80	19627-00		PLATE - Tube support	1	23-1 to 23-1994 inclusive
	19627-02	A	PLATE - Tube support	1	
	23-7152-5	B	PLATE - Tube support	1	
-81	19628-00		LINE ASSEMBLY - Vacuum	1	
-82	19629-00		LINE ASSEMBLY - Vacuum	1	
-83	19630-00		LINE ASSEMBLY - Vacuum	1	23-1 to 23-1994 inclusive
	19891-00	A	LINE ASSEMBLY - Vacuum	1	
	19786-M	B	LINE ASSEMBLY - Vacuum	1	
-84	19631-00		LINE ASSEMBLY - Vacuum	1	23-1 to 23-1994 inclusive
	19631-03		LINE ASSEMBLY - Vacuum	1	23-1995 and up
-85	19637-00		BLOCK - Tube retaining	4	
-86	19639-00		BLOCK - Tube retaining	2	
-87	18578-07	C	LINE ASSEMBLY - Vacuum	2	
	23-7152-2	B	LINE ASSEMBLY - Vacuum (18-5/16" L)	1	
	23-7152-3	B	LINE ASSEMBLY - Vacuum (19-3/4" L)	1	
-88	458 913		ELBOW - (AN837-6D)	1	23-1 to 23-1994 inclusive
	458 914	A	ELBOW - (AN837-8D)	2	
	458 905	B	ELBOW - (AN833-8D)	2	
-89	477 620		NUT - (AN924-6D)	1	23-1 to 23-1994 inclusive
	477 621		NUT - (AN924-8D)	1	23-1995 and up
-90	458 909	C	ELBOW - (AN837-3D)	2	
	458 899	B	ELBOW - (AN833-3D)	2	
-91	477 617		NUT - (AN924-3D)	4	
-92	458 899		ELBOW - (AN833-3D)	2	
-93	16566-00		LINE ASSEMBLY - Check valve to wing	1	23-1995 inclusive
-94	19890-00		LINE ASSEMBLY - Nose	1	23-1995 and up

A - Used on PA-23-160 with serial nos. 23-1995 to 23-1976, 23-1978 to 23-1980, 23-1982, 23-1983 and 23-1988 to 23-2043 inclusive.

B - Used on PA-23-160 with serial nos. 23-1977, 23-1981, 23-1984 to 23-1987 and 23-2044 to 23-2046.

C - Used on PA-23-150, PA-23-160 with serial nos. 23-1 to 23-1976, 23-1978 to 23-1980, 23-1982, 23-1983 and 23-1988 to 23-2043.

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

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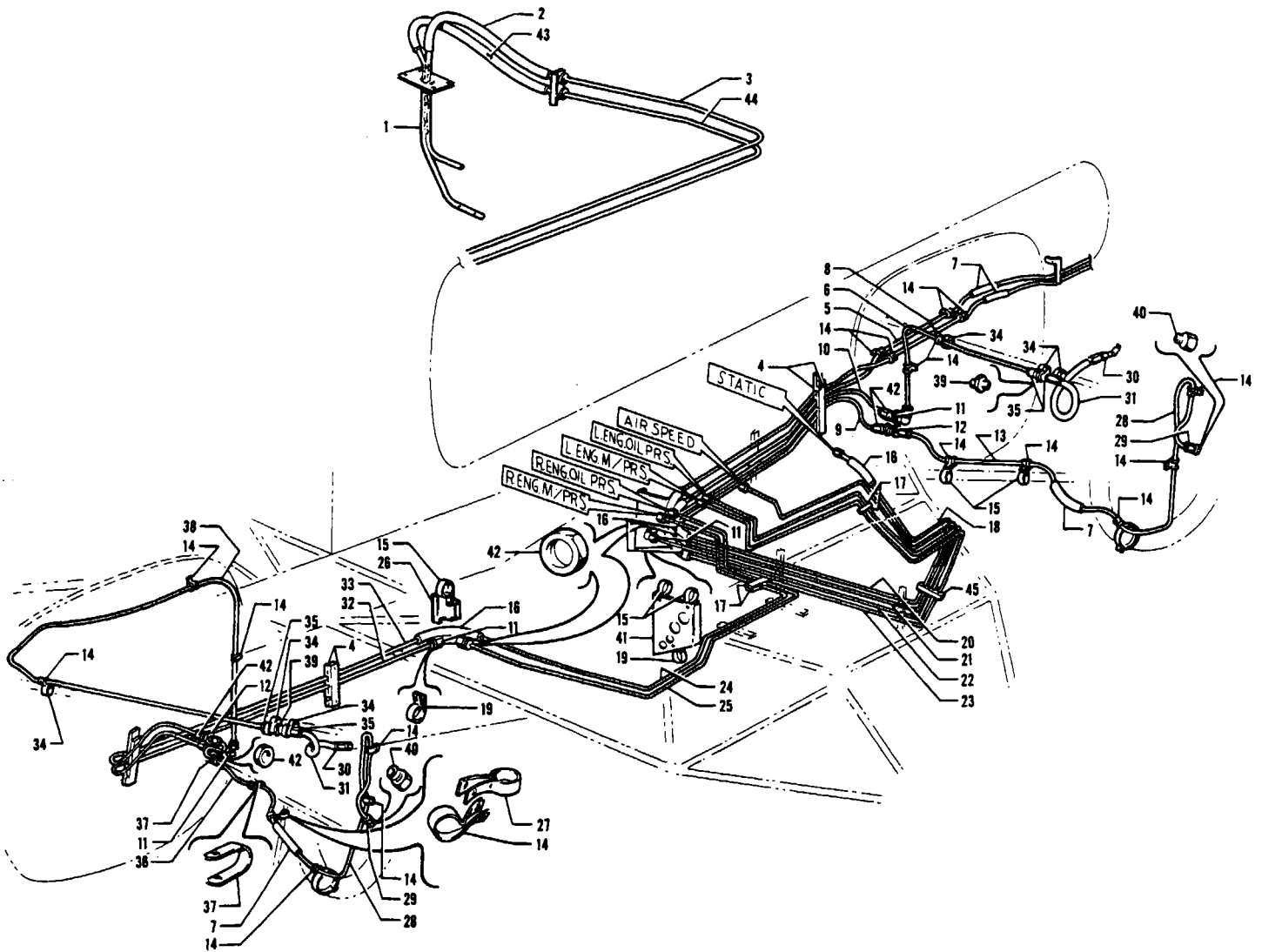


Figure 28. Miscellaneous Air and Fluid Lines Installation



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
28-	17846 19572 17643		DRAWING - Miscellaneous Air and Fluid Lines DRAWING - Miscellaneous Air and Fluid Lines DRAWING - Airspeed Tubes Installation		23-1 to 23-1501 inclusive 23-1502 and up
-1	17638-00		TUBE ASSEMBLY - Airspeed pitot	1	
-2	83161-13		HOSE - Flexible static air	1	
-3	13541-17		TUBING - Airspeed static air	1	
-4	17709-00		BLOCK - Tube retaining	4	
-5	17830-00		LINE ASSEMBLY - Static instrument air (3/16" x 54")	1	
	19751-00		LINE ASSEMBLY - Static instrument air (3/16" x 58")	1	
-6	17816-00		LINE ASSEMBLY - Left engine oil pressure	1	23-1 to 23-1967 inclusive
	17816-03		LINE ASSEMBLY - Left engine oil pressure	1	23-1968 and up
-7	83161-03		HOSE - Flexible	4	23-1 to 23-1870 inclusive
	83161-24		HOSE - Flexible	4	23-1871 and up
-8	17827-00		LINE ASSEMBLY - Air pressure (3/16" x 54")	1	
	19749-00		LINE ASSEMBLY - Air pressure (3/16" x 58")	1	
-9	17825-00		LINE ASSEMBLY - Left engine manifold pressure (3/16" x 41 1/2")	1	
	17825-03		LINE ASSEMBLY - Left engine manifold pressure (1/4" x 41 1/2")	1	
	19747-00		LINE ASSEMBLY - Left engine manifold pressure (fittings one end) (1/4" x 45 3/4")	1	
	32180-00		LINE ASSEMBLY - Left engine manifold pressure (fittings both ends) (1/4" x 45 3/4")	1	
-10	17818-00		LINE ASSEMBLY - Left engine oil pressure (3/16" x 45")	1	
	19748-00		LINE ASSEMBLY - Left engine oil pressure (3/16" x 45 3/4")	1	
-11	458 899		ELBOW - (AN833-3D)	4	
-12	491 059		UNION - (AN832-3D) (3/16")	2	
	491 060		UNION - (AN832-4D) (1/4")	2	
-13	17826-00		LINE ASSEMBLY - Left engine manifold pressure (3/16" x 45")	1	
	19825-00		LINE ASSEMBLY - Left engine manifold pressure (1/4" x 36 1/8")	1	
-14	454 928		CLAMP - Tinnerman (A4980S-3-91)	18	
-15	454 942		CLAMP - Tinnerman (A2980S-16-1)	5	
-16	83161-07		HOSE - Flexible	2	
-17	17812-00		BLOCK - Tube retaining	4	
-18	17881-03		LINE ASSEMBLY - Static air	1	
-19	454 940		CLAMP - Tinnerman (A2980S-12-1)	5	
-20	17829-00		LINE ASSEMBLY - Static air	1	
-21	17828-00		LINE ASSEMBLY - Air pressure (3/16" x 66 3/4")	1	23-1 to 23-1544 inclusive
	19633-00		LINE ASSEMBLY - Air pressure (3/16" x 67")	1	
	17829-00		LINE ASSEMBLY - Air pressure (3/16" x 52 3/4")	1	
-22	17817-00		LINE ASSEMBLY - Left engine oil (3/16" x 78 1/4")	1	23-1 to 23-1544 inclusive
	19635-00		LINE ASSEMBLY - Left engine oil (3/16" x 85")	1	
	19635-03		LINE ASSEMBLY - Left engine oil (3/16" x 80")	1	
-23	17824-00		LINE ASSEMBLY - Left engine manifold pressure (3/16" x 80 1/2")	1	
	19636-00		LINE ASSEMBLY - Left engine manifold pressure (3/16" x 89")	1	
	19636-00		LINE ASSEMBLY - Left engine manifold pressure (1/4" x 89")	1	

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
28-24	17821-00		LINE ASSEMBLY - Right engine manifold pressure (3/16" x 76")	1	
	17821-03		LINE ASSEMBLY - Right engine manifold pressure (1/4" x 76")	1	
-25	17815-00		LINE ASSEMBLY - Right engine oil pressure	1	
-26	17627-00		PLATE - Tube support	1	23-1 to 23-1261 inclusive
	19457-00		PLATE - Tube support	1	23-1262 and up
-27	454 885		CLAMP - Tinnerman (A4886S-8-24)	1	
-28	18292-00		LINE ASSEMBLY - Manifold pressure (3/16")	2	
	16652-00		LINE ASSEMBLY - Left engine manifold pressure (1/4" x 14 1/2")	1	
	82332-26		LINE ASSEMBLY - Right engine manifold pressure (1/4" x 17")	1	
-29	458 889		ELBOW - (AN823-3B)	2	
-30	19053-00		ELBOW - Restriction	2	
-31	17766-07		HOSE ASSEMBLY - Flexible, oil pressure	2	23-1 to 23-1967 inclusive
	17766-45		HOSE ASSEMBLY - Flexible, oil pressure	2	23-1968 and up
-32	17814-00		LINE ASSEMBLY - Right engine oil pressure	1	
-33	17822-00		LINE ASSEMBLY - Right engine manifold pressure (3/16" x 41")	1	
	17822-03		LINE ASSEMBLY - Right engine manifold pressure (1/4" x 41")	1	
	32182-00		LINE ASSEMBLY - Right engine manifold pressure (1/4" x 45")	1	
-34	454 886		CLAMP - Tinnerman (A4886S-10-24)	8	
-35	454 899		CLAMP - Tinnerman (A4886S-6-1)	4	
-36	17823-00		LINE ASSEMBLY - Right engine manifold pressure	1	23-1 to 23-1967 inclusive
	19942-00		LINE ASSEMBLY - Right engine manifold pressure	1	23-1968 and up
-37	17879-00		CLAMP - Open	2	
-38	17813-00		LINE ASSEMBLY - Right engine oil pressure	1	23-1 to 23-1967 inclusive
	17813-03		LINE ASSEMBLY - Right engine oil pressure	1	23-1968 and up
-39	491 049		UNION - (AN815-3D)	2	
-40	451 854		ADAPTER - (W/H 3200 x 2)	2	
-41	17628-00		BRACKET - Tube support	1	
-42	477 617		NUT - (AN924-3D) (3/16")	6	
	477 618		NUT - (AN924-4D) (1/4")	6	
-43	83161-14		HOSE - Flexible, air pressure	1	
-44	13541-20		TUBING - Airspeed, air pressure	1	
-45	18859-00		BLOCK - Tube retaining	2	

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

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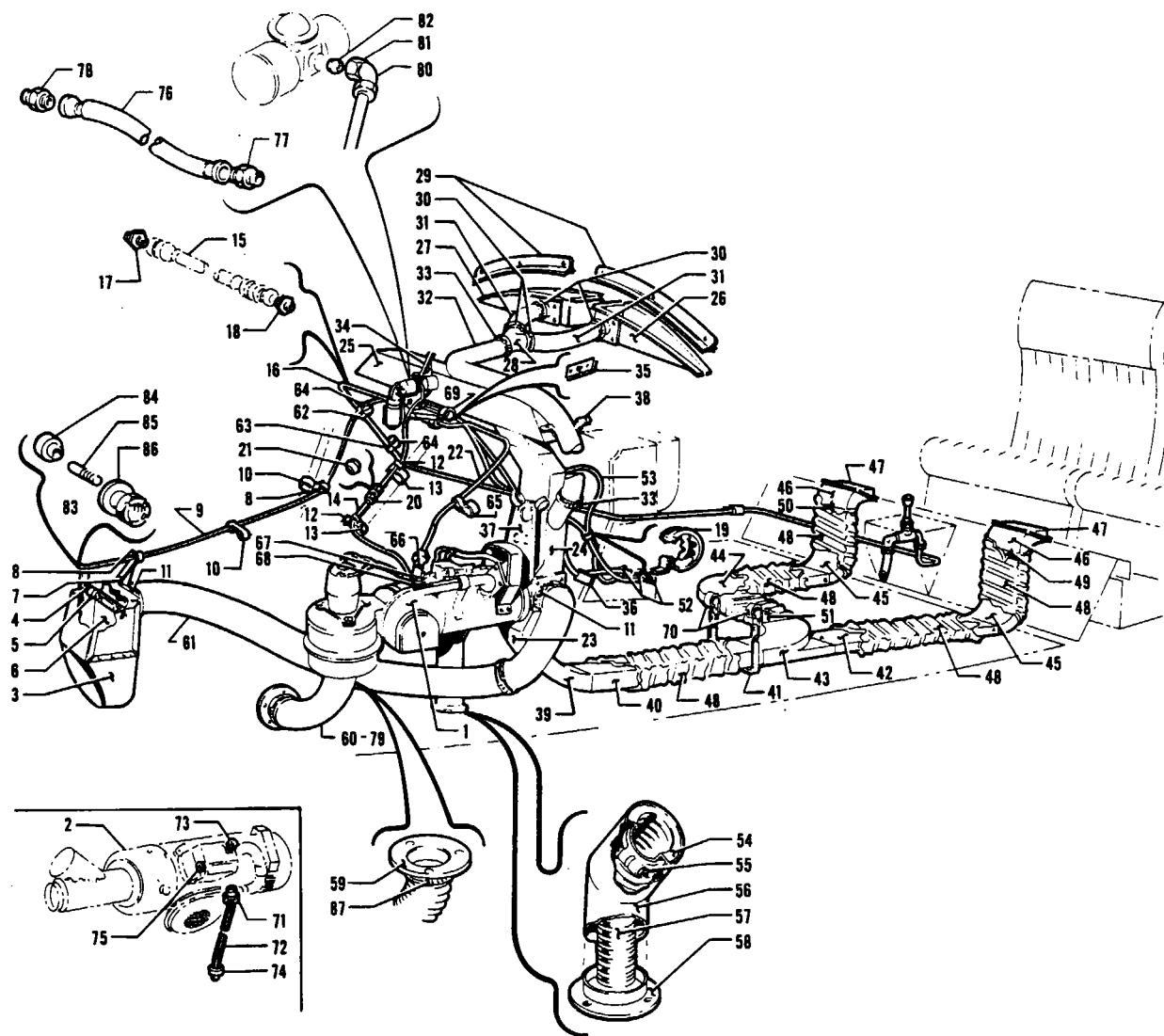


Figure 29. Heater System Installation
(Serial Nos. 23-1 to 23-375 inclusive)



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
29-	17791		DRAWING - Heater System Installation		
-1	18591-00	A	HEATER ASSEMBLY	1	23-1 to 23-170 inclusive
-2	464 321	BC	HEATER ASSEMBLY - (Model 940-B12)	1	23-171 to 23-375 inclusive
-3	17514-00		BOX ASSEMBLY - Cold air intake	1	23-1 to 23-375 inclusive
-4	17505-00		ARM ASSEMBLY - Air box valve	1	23-1 to 23-375 inclusive
-5	14175-02		BUSHING	1	23-1 to 23-375 inclusive
-6	17960-00		VALVE ASSEMBLY - Air box	1	23-1 to 23-375 inclusive
-7	17961-00		BRACKET - Control cable support	1	
-8	454 887		CLAMP - (A4886S-3-1)	3	
-9	17969-02		CABLE ASSEMBLY - Flexible	1	
-10	80032-70		CLAMP - Offset	2	
-11	454 926		CLAMP - Tinnerman (A3122-58-59)	2	
-12	454 927		CLAMP - Tinnerman (A4980S-2-91)	3	
-13	454 885		CLAMP - Tinnerman (A4886S-8-24)	2	
-14	71242-10		TUBE - Heater primer	1	23-1 to 23-170 inclusive
-15	17766-07		HOSE ASSEMBLY	1	
-16	18578-00		TUBE ASSEMBLY - Heater fuel line	1	23-1 to 23-375 inclusive
-17	491 049		UNION - (AN815-3D)	1	
-18	476 647		NIPPLE - (AN816-3D)	1	
-19	454 878		CLAMP - (A3125-2H-179)	1	
-20	460 684		NUT - (W/H #61 x 2)	2	23-1 to 23-170 inclusive
-21	460 683		SLEEVE - (W/H #60 x 2)	2	23-1 to 23-170 inclusive
-22	17776-00		TUBE ASSEMBLY - Heater fuel line	1	23-1 to 23-170 inclusive
	11987-59		TUBE ASSEMBLY - Heater fuel line	1	23-171 to 23-375 inclusive
-23	17482-00		BOX ASSEMBLY - Cabin air	1	
-24	17464-00		DUCT ASSEMBLY - Defroster take-off	1	
-25	17468-00		BOX ASSEMBLY - Front cabin heat	1	
-26	17431-00		BOX ASSEMBLY - Defroster, left	1	
-27	17431-01		BOX ASSEMBLY - Defroster, right	1	
-28	17433-00		TUBE ASSEMBLY - Defroster air	1	
-29	18376-00		DEFLECTOR ASSEMBLY - Defroster air	1	
-30	454 912		CLAMP - Tinnerman (A3122-34-1)	4	
-31	10525-20		HOSE - Defroster, air duct	2	
-32	10525-22		HOSE - Defroster, air duct	1	
-33	454 913		CLAMP - Tinnerman (A3122-42-1)	2	
-34	17521-00		BRACKET ASSEMBLY - Heater fuel valve	1	
-35	18528-00		BLOCK - Cable retaining	1	
-36	18548-00		BLOCK - Cable retaining	1	
-37	17388-00		BRACKET - Heater hanger	1	
-38	17432-00		CLAMP - Defroster duct	1	
-39	17508-00		DUCT ASSEMBLY - Cabin air	1	
-40	17512-00		DUCT - Cabin air	1	
-41	17573-00		STRAP - Heater duct support	1	
-42	17511-00		DUCT ASSEMBLY - Cabin air	1	
-43	17507-00		DUCT ASSEMBLY - Cabin air dispersing	1	
-44	17506-00		ELBOW ASSEMBLY - Cabin air duct	1	
-45	17510-00		DUCT ASSEMBLY - Cabin air	2	

A - See Figure 30 for component parts.
 B - See Figure 31 for component parts.
 C - If present heater has been modified to produce
 27, 500 B. T. U., secure replacement heater 464 324.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
29-46	17509-00		DUCT ASSEMBLY - Cabin air	2	
-47	18355-00		DEFLECTOR ASSEMBLY - Cabin air	2	
-48	181 232		INSULATION - Fiberglass, (48" wide)		
-49	17513-03		DUCT - Cabin air, left	1	
-50	17513-04		DUCT - Cabin air, right	1	
-51	17513-02		DUCT - Cabin air	1	
-52	17457-02		KNOB - Plastic	3	
-53	17969-03		CABLE ASSEMBLY - Flexible	1	
-54	17862-00		RING - Heater exhaust shroud mounting	1	23-1 to 23-170 inclusive
	17862-00		RING - Heater exhaust shroud mounting	1	23-171 to 23-375 inclusive
-55	17860-00		CLAMP ASSEMBLY - Heater exhaust	1	
-56	17869-00		SHROUD ASSEMBLY - Heater exhaust	1	23-1 to 23-170 inclusive
	17869-04		SHROUD ASSEMBLY - Heater exhaust	1	23-171 to 23-375 inclusive
-57	17948-00		TUBE - Heater exhaust	1	23-1 to 23-170 inclusive
	17948-02		TUBE - Heater exhaust	1	23-171 to 23-375 inclusive
-58	17866-00		COVER ASSEMBLY	1	
-59	18020-00		TUBE ASSEMBLY - Heater air intake	1	23-1 to 23-170 inclusive
	18020-04		TUBE ASSEMBLY - Heater air intake	1	23-171 to 23-375 inclusive
-60	10525-39		HOSE	1	23-1 to 23-209 inclusive
-61	10525-36		HOSE	1	23-1 to 23-375 inclusive
-62	454 886		CLAMP - Tinnerman (A4886S-10-24)	2	
-63	454 930		CLAMP - Tinnerman (A4980S-6-91)	2	
-64	454 928		CLAMP - Tinnerman (A4980S-3-91)	3	
-65	454 942		CLAMP - Tinnerman (A2980S-16-1)	1	
-66	458 891		ELBOW - (AN823-4D)	1	23-1 to 23-170 inclusive
-67	455 174		COUPLING - (W/H 3300 x 2)	1	23-1 to 23-170 inclusive
-68	455 153		CONNECTOR - (W/H 68 x 5)	1	23-1 to 23-170 inclusive
-69	484 350		REDUCER - (AN919-3D)	1	23-1 to 23-170 inclusive
-70	454 940		CLAMP - (A2980S-21-1)	1	
-71	451 857		ADAPTER - (AN840-4D)	1	23-171 to 23-375 inclusive
-72	13586-19		TUBE - Plastic	1	23-171 to 23-375 inclusive
-73	460 669		PLUG - (W/H 3152 x 2)	1	23-171 to 23-375 inclusive
-74	434 129		GROMMET - Rubber (AN931-5-9)	1	23-171 to 23-375 inclusive
-75	434 126		GROMMET - Rubber (AN931-3-5)	1	23-171 to 23-375 inclusive
-76	17766-06		HOSE ASSEMBLY - Flexible	1	23-171 to 23-375 inclusive
-77	491 048		UNION - (AN815-2D)	1	23-171 to 23-375 inclusive
-78	476 649		NIPPLE - (AN816-2D)	1	23-171 to 23-375 inclusive
-79	10525-23		HOSE - Flexible	1	23-210 to 23-375 inclusive
-80	458 951		ELBOW - (W/H 69 x 2)	1	23-171 to 23-375 inclusive
-81	460 684		NUT - (W/H 61 x 2)	1	23-171 to 23-375 inclusive
-82	460 683		SLEEVE - (W/H 60 x 2)	1	23-171 to 23-375 inclusive
-83	70371-00		FITTING ASSEMBLY - Swivel	2	
-84	70371-02		SWIVEL	1	
-85	70371-03		STUD - (487 283)	1	
-86	81342-19		WASHER	1	
-87	454 914		CLAMP - Tinnerman (A3122-50-59)	2	

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

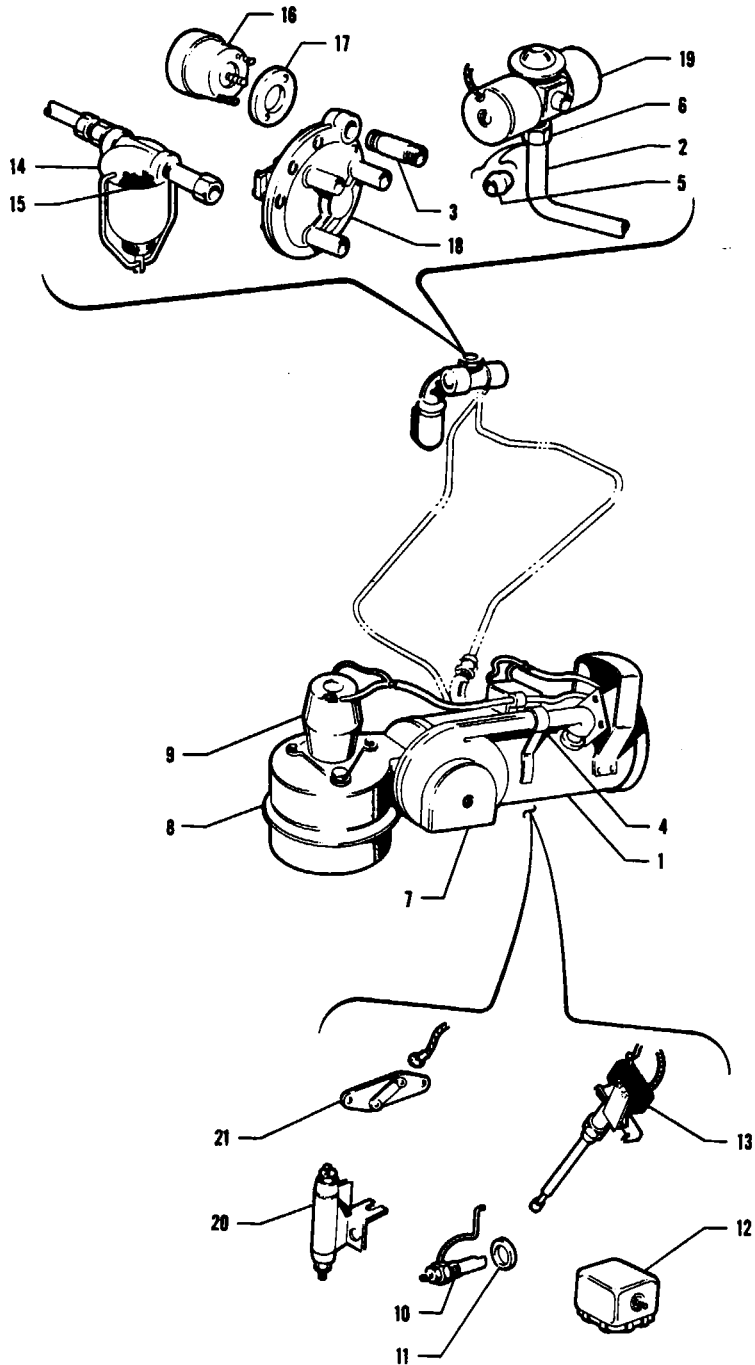


Figure 30. Heater Assembly
(Serial Nos. 23-1 to 23-170 inclusive)



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
30-1	18591-00		HEATER ASSEMBLY	1	
-2	17777-00		TUBE ASSEMBLY - Heater fuel	1	
-3	460 680		NIPPLE	1	
-4	454 952		CLAMP - Plastic (2)	1	
-5	486 887		SLEEVE - (W/H 60 x 5)	1	
-6	477 600		NUT - (W/H 61 x 5)	1	
-7	464 320		HEATER - Model 979-B1	1	
-8	751 385		BLOWER ASSEMBLY - Vent (485 201)	1	
-9	752 415		MOTOR ASSEMBLY - Blower (476 210)	1	
-10	752 044		IGNITER ASSEMBLY - (G-474-942)	1	
-11	751 832		GASKET - Igniter (475 067)	1	
-12	752 799		RELAY - (475 939)	1	
-13	752 894		SWITCH ASSEMBLY - Flame detector (G-486 161)	1	
-14	460 755		FILTER - Gasoline (485 190)	1	
-15	751 848		GASKET	1	
-16	752 410		MOTOR ASSEMBLY - Combustion (G-485-210)	1	
-17	752 893		SPACER - (476 227)	1	
-18	753 102		VALVE ASSEMBLY - Safety (484 085)	1	
-19	753 100		VALVE - Fuel control (G-486 157)	1	
-20	752 800		RESISTOR ASSEMBLY - (489 456)	1	
-21	752 937		SWITCH ASSEMBLY - Overheat (G-485-010)	1	

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

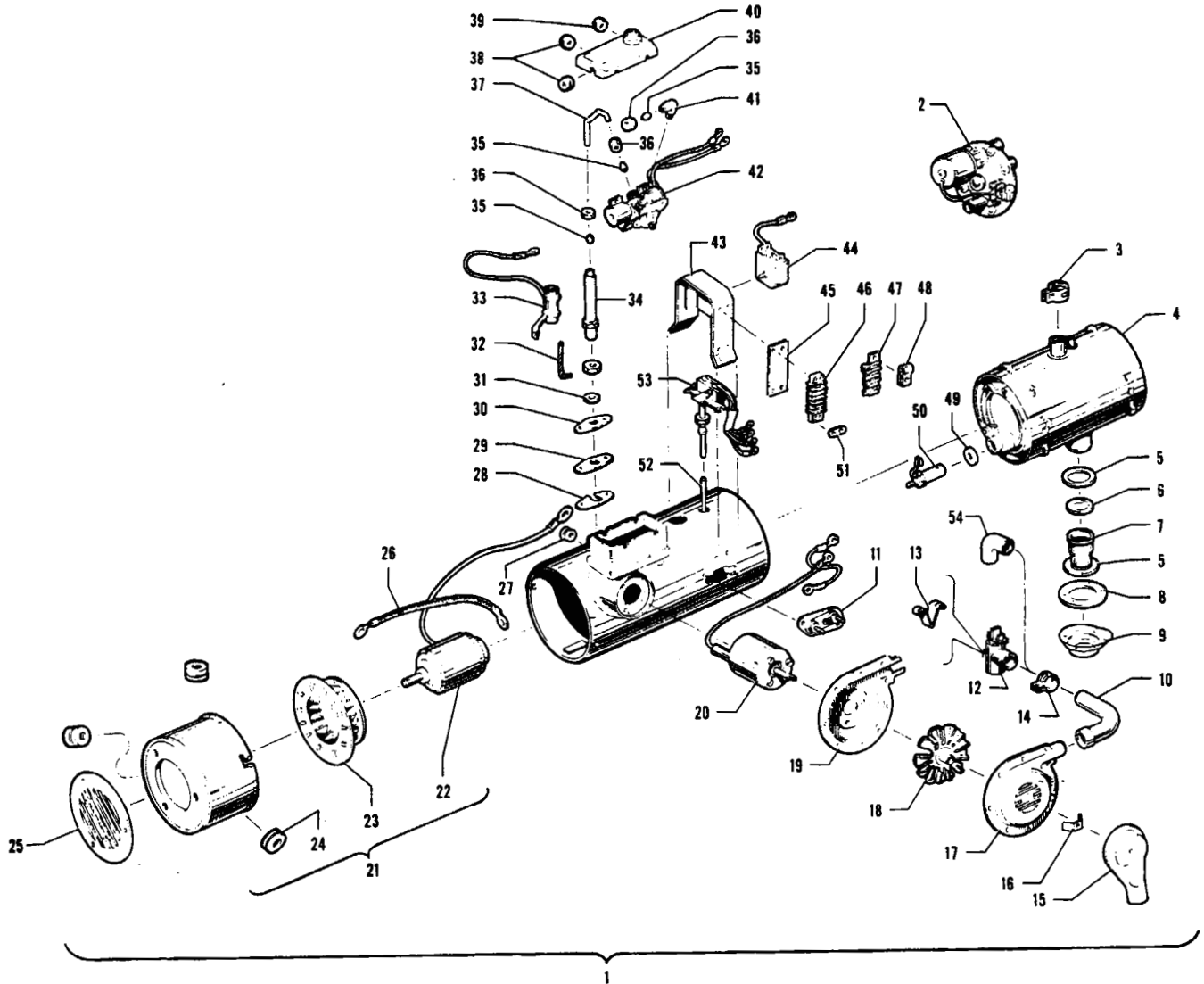


Figure 31. Heater Assembly
(Serial Nos. 23-171 and up)

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
31-1	464 321	A	HEATER ASSEMBLY - (Model 940-B12) (20, 000 B.T.U. Maximum)	1	
	464 324		HEATER ASSEMBLY - (Model 940-DA12) 12 Volt	1	23-171 to 23-1242 inclusive
-2	753 102		VALVE ASSEMBLY - Safety (G-484 085)	1	23-1243 and up
-3	751 548		CLAMP - Hose combustion air (489 408)	1	23-171 and up
-4	754 710		EXCHANGER ASSEMBLY - Heat (G-711 237)	1	
-5	753 168		WASHER - Exhaust (486 803)	2	
-6	752 839		PACKING - "O" Ring (486 802)	1	
-7	754 708		EXTENSION - Exhaust (486 238)	1	
-8	751 852		GASKET - Exhaust tube (711 241)	1	
-9	751 235		ADAPTER - Exhaust tube (711 240)	1	
-10	753 005		TUBE - Combustion air blower (700 137)	1	
-11	752 936		SWITCH - Overheat (700 053)	1	23-171 and up
-12	751 781	C	FUSE ASSEMBLY - Thermal (700 580)	1	
-13	751 775	C	LINK - Thermal fuse (700 578)	1	
-14	751 548		CLAMP - Hose, combustion air (489 408)	1	
-15	751 231		ADAPTER ASSEMBLY - (711 229)	1	
-16	751 431		BRACKET - Combustion air blower (489 491)	1	
-17	751 934		HOUSING - Combustion air blower outer (711 234)	1	
-18	751 776		WHEEL - Combustion air blower (G-484 046)	1	
-19	751 933		HOUSING - Combustion air blower inner (489 811)	1	
-20	752 417		MOTOR - Combustion air blower (G-700 141)	1	
-21	751 397		BLOWER ASSEMBLY - Vent air (700 177)	1	23-171 and up
-22	752 416		MOTOR - Vent air blower (489 620)	1	23-171 and up
-23	753 169		FAN - Vent air blower (G720122)	1	23-171 and up
-24	756 100		SHOCK MOUNT - Vent air blower (700 146)	3	23-171 and up
-25	752 315		COVER - Louvered, vent air inlet (700 235)	1	
-26	752 313		LEAD - Ground (486 216)	1	
-27	751 849		GROMMET - (475 127)	1	
-28	752 773		PLATE - Tapping (711 223)	1	
-29	751 851		GASKET - Fuel line (711 222)	1	
-30	751 782		FLANGE - Fuel line (711 224)	1	
-31	752 772		PACKING - "O" Ring (711 098)	1	
-32	751 546		CABLE - Knit (474 948)	1	
-33	752 824		RESISTOR - (489 851)	1	
-34	751 432		BUSHING ASSEMBLY - (G-711 231)	1	
-35	752 971		SLEEVE - Fuel line (91427)	3	
-36	751 545		COUPLING - Fuel line (91426)	3	
-37	753 006		TUBE - Fuel line (711 221)	1	
-38	751 850		GROMMET - (711 215)	2	
-39	751 854		GROMMET - (473 455)	1	
-40	751 550		COVER ASSEMBLY - Fuel valve (711 217)	1	
-41	754 707		ELBOW - Fuel line (475 318)	1	
-42	753 104		VALVE - Fuel control (G-700 570) 940 D-12 only	1	
	753 103	B	VALVE - Fuel control (G-489 610) 940 B-12 only	1	23-171 to 23-1242 inclusive
	753 108		VALVE - Fuel control (G-701 259) 940 DA-12 only	1	
-43	751 853		GUARD ASSEMBLY - Switch (G-711 244)	1	
-44	752 833	C	RELAY ASSEMBLY - (721 176)	1	

- A - If present heater has been modified to produce 27, 500 B.T.U., secure replacement heater 464 324.
- B - Order valve 753 108 if Kit 754 176 or 754 172 has been installed in airplane.
- C - Use on model DA-12 heater only.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
31-45	752 973		STRIP - Double market (484 141)	1	
-46	752 972		STRIP - Terminal (484 140)	1	
-47	752 974		STRIP - Connector (484 955)	1	
-48	751 547		CLAMP - Cable (484 986)	1	
-49	751 832		GASKET - Igniter (475 067)	1	
-50	752 044		IGNITER ASSEMBLY - (474 942)	1	
-51	752 126		JUMPER - Terminal (485 152)	1	
-52	752 840		ROD - Quartz (486 901)	1	
-53	756 102		SWITCH - Flame detector (700 592) 940 D-12 only	1	23-1243 and up
	752 934		SWITCH - Flame detector (G-486 085) 940 B-12 only	1	23-171 to 23-1242 inclusive
-54	754 709		ELBOW ASSEMBLY - Combustion air (G-700 136) 940 B-12 only	1	23-171 to 23-1242 inclusive

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

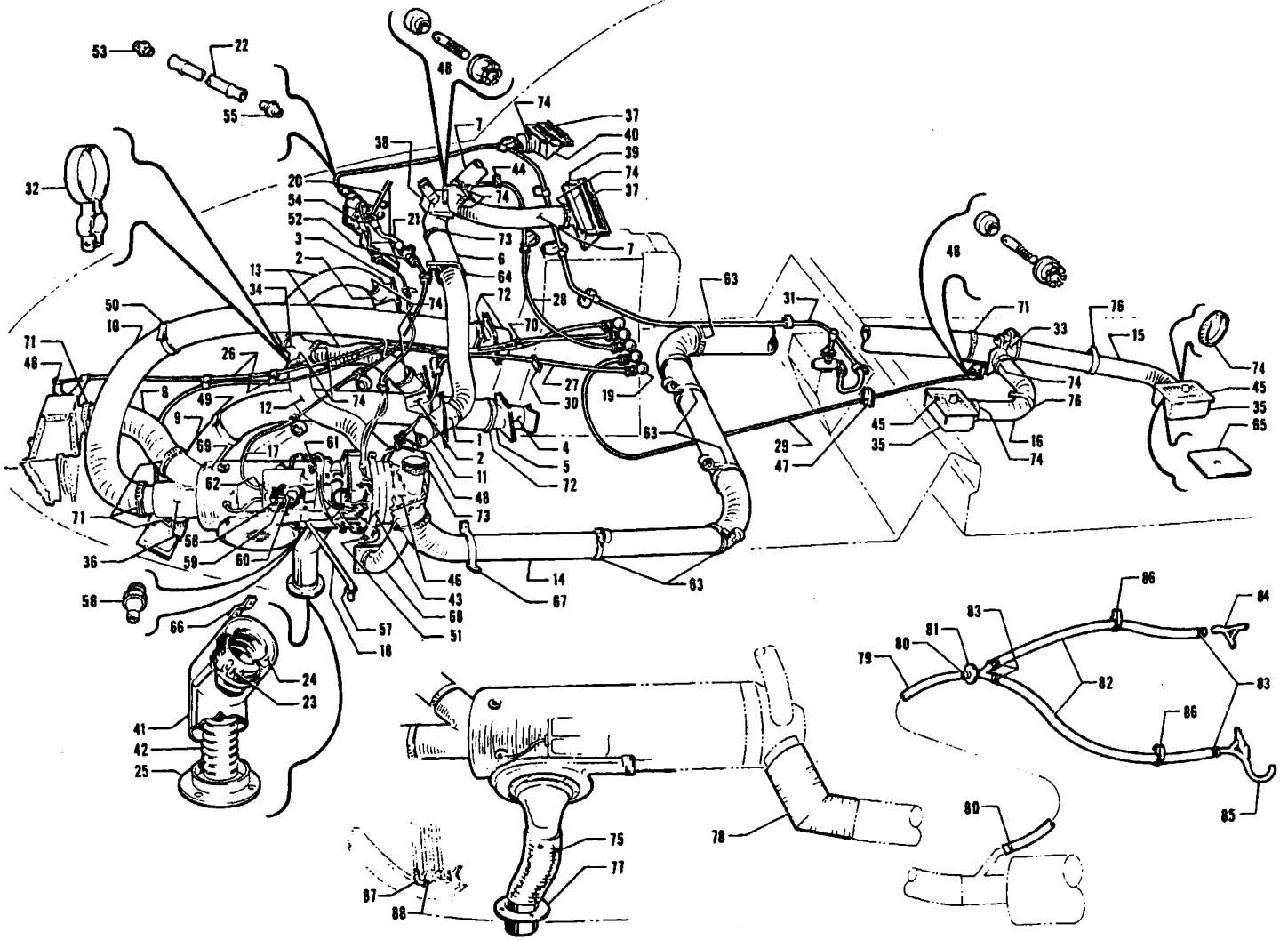


Figure 32. Heater Installation
(Serial Nos. 23-376 and up)



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
32-	18864	B	DRAWING - Heater System Installation		
	23-7152	C	DRAWING - Heater Fuel Tubes Installation		
-1	18795-00		TUBE ASSEMBLY - Air take-off	1	23-376 and up
-2	18786-01		BOX ASSEMBLY - Heater air outlet, right	1	23-1 to 23-1967 inclusive
	16758-01		BOX ASSEMBLY - Heater air outlet, right	1	23-1968 and up
	18786-00		BOX ASSEMBLY - Heater air outlet, left	1	23-1 to 23-1967 inclusive
	16758-00		BOX ASSEMBLY - Heater air outlet, left	1	23-1968 and up
-3	18765-00		PLATE ASSEMBLY - Air deflector	2	23-376 and up
-4	18390-00		TUBE ASSEMBLY - Air distribution	1	
-5	17691-00		TUBE ASSEMBLY - Air inlet	3	
-6	10525-44		HOSE - Flexible	1	23-376 to 23-746 inclusive
	72381-17		TUBE - Flexible	1	23-747 and up
-7	10525-45		HOSE - Flexible	2	23-376 and up
-8	10525-26		HOSE - Flexible, heater air intake	1	23-376 to 23-746 inclusive
	10525-56		HOSE - Flexible, heater air intake	1	23-747 and up
-9	10525-27		HOSE - Flexible	1	
-10	10525-41		HOSE - Flexible	1	23-376 to 23-746 inclusive
-11	10525-43		HOSE - Flexible	1	23-376 to 23-746 inclusive
	72381-17		TUBE - Flexible	1	23-747 and up
-12	10525-50		HOSE - Flexible	1	23-376 and up
-13	10525-19		HOSE - Flexible	2	23-376 to 23-746 inclusive
	85052-20		TUBE - Flexible, left	1	23-747 and up
	85052-21		TUBE - Flexible, right	1	23-747 and up
-14	10525-46		HOSE - Flexible	1	23-376 to 23-746 inclusive
	85052-22		TUBE - Flexible	1	23-747 to 23-2007 inclusive
	85052-36		TUBE - Flexible	1	23-2008 and up
-15	10525-47		HOSE - Flexible	1	23-376 to 23-746 inclusive
	10525-55		HOSE - Flexible	1	23-747 and up
-16	10525-48		HOSE - Flexible	1	23-376 to 23-746 inclusive
	10525-19		HOSE - Flexible	1	23-747 and up
-17	11987-59		TUBE ASSEMBLY - Heater fuel line	1	
-18	13586-19		TUBE - Plastic	1	
-19	471 063		KNOB - (#113 black)	5	23-376 and up
-20	17521-00		BRACKET ASSEMBLY - Heater fuel valve	1	
-21	17766-06		HOSE ASSEMBLY - Flexible	1	
-22	17766-07		HOSE ASSEMBLY - Flexible	1	
-23	17860-00		CLAMP ASSEMBLY - Heater exhaust	1	
-24	17862-02		RING - Heater exhaust shroud mounting	1	
-25	17866-00		COVER ASSEMBLY - Heater exhaust shroud	1	
-26	17969-02	A	CABLE ASSEMBLY - Air vent	2	
-27	17969-04		CABLE ASSEMBLY - Cabin heat front	1	23-376 and up
-28	17969-05		CABLE ASSEMBLY - Defroster	1	23-376 and up
-29	17969-06		CABLE ASSEMBLY - Cabin heat rear	1	23-376 and up
-30	18528-00		BLOCK - Cable retaining	1	

A - One (1) used on 23-747 and up.
 B - Used on PA-23-150, PA-23-160 with serial nos. 23-376 to 23-1976, 23-1978 to 23-1980, 23-1982, 23-1983 and 23-1988 to 23-2043.
 C - Used on PA-23-160 with serial nos. 23-1977, 23-1981, 23-1984 to 23-1987 and 23-2044 to 23-2046.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
32-31	18578-00		TUBE ASSEMBLY - Heater fuel line	1	23-1 to 23-1544 inclusive
	18578-15	C	TUBE ASSEMBLY - Heater fuel line, rear	1	
	18578-09	C	TUBE ASSEMBLY - Heater fuel line, front	1	
	23-7152-4	B	TUBE ASSEMBLY - Heater fuel line	1	
-32	18764-00		CLAMP - Round	1	23-376 and up
-33	18770-00		TUBE ASSEMBLY - Air distribution	1	23-376 to 23-746 inclusive
	19066-00		TUBE ASSEMBLY - Air distribution	1	23-747 and up
-34	18771-00		TUBE ASSEMBLY - Air distribution	1	23-376 and up
-35	18772-00		BOX ASSEMBLY - Rear seat heat	2	23-376 and up
-36	18778-00		TUBE ASSEMBLY - Heater air intake	1	23-376 to 23-746 inclusive
	19041-00		TUBE ASSEMBLY - Heater air intake	1	23-747 to 23-2007 inclusive
	19914-00		TUBE ASSEMBLY - Heater air intake	1	23-2008 and up
-37	18783-00		PLATE ASSEMBLY - Air deflector	2	23-376 to 23-746 inclusive
	19103-00		PLATE ASSEMBLY - Air deflector	2	23-747 and up
-38	18785-00		BOX ASSEMBLY - Defroster air distribution	1	23-376 to 23-746 inclusive
	19108-00		BOX ASSEMBLY - Defroster air distribution	1	23-747 and up
-39	18786-00		BOX ASSEMBLY - Defroster air outlet, left	1	23-376 to 23-746 inclusive
	19110-00		BOX ASSEMBLY - Defroster air outlet, left	1	23-747 and up
-40	18786-01		BOX ASSEMBLY - Defroster air outlet, right	1	23-376 to 23-746 inclusive
	19110-00		BOX ASSEMBLY - Defroster air outlet, right	1	23-747 and up
-41	18793-00		SHROUD ASSEMBLY - Heater exhaust	1	23-376 and up
-42	18794-00		TUBE - Heater exhaust	1	23-376 and up
-43	18796-00		CLAMP ASSEMBLY - Heater	1	23-376 and up
-44	18797-00		CLAMP - Defroster control cable	1	23-376 to 23-746 inclusive
-45	18798-00		GRILL ASSEMBLY - Air outlet	2	23-376 and up
-46	18814-00		BOX ASSEMBLY - Air distribution	1	23-376 to 23-746 inclusive
	18814-20		BOX ASSEMBLY - Air distribution	1	23-747 and up
-47	18857-00		BRACKET - Control cable	1	23-376 and up
-48	70371-00		FITTING ASSEMBLY - Swivel	5	23-376 and up
-49	80032-44		CLAMP - Fresh air tube support	1	23-376 and up
-50	80032-70		CLAMP - Warm air return tube	1	23-376 to 23-746 inclusive
-51	81262-46		LINK	1	23-376 and up
-52	491 058		UNION - (AN832-2D)	1	23-376 and up
-53	491 049		UNION - (AN815-3D)	1	
-54	476 649		NIPPLE - (AN816-2D)	1	
-55	476 647		NIPPLE - (AN816-3D)	1	
-56	451 857		ADAPTER - (AN840-4D)	1	
-57	434 129		GROMMET - (AN931-5-9)	1	
-58	460 683		SLEEVE - (W/H 60 x 2)	1	
-59	460 684		NUT - (W/H 61 x 2)	1	
-60	458 951		ELBOW - (W/H 69 x 2)	1	
-61	460 669		PLUG - (W/H #3152 x 2)	1	
-62	463 374		GROMMET - (G-1266)	1	23-376 and up
-63	80032-80		CLAMP	5	23-376 to 23-746 inclusive
	80032-89		CLAMP	2	23-747 and up
-64	80032-81		CLAMP	1	23-376 to 23-746 inclusive
-65	18822-00	A	PLATE - Cover, rear seat heater	1	23-376 and up

A - Used when fifth seat is not installed.
 B - Used on PA-23-160 with serial nos. 23-1977, 23-1981, 23-1984 to 23-1987 and 23-2044 to 23-2046.
 C - Used on PA-23-150, PA-23-160 with serial nos. 23-1545 to 23-1976, 23-1978 to 23-1980, 23-1982, 23-1983 and 23-1988 to 23-2043.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
32-66	18996-00		STRAP - Heater shroud tie	1	23-376 and up
-67	18995-00		STRAP - Hose attachment	1	23-376 and up
-68	10525-25		HOSE - Flexible	1	23-376 and up
-69	464 321	BC	HEATER - (Model #940-B-12) (20,000 B.T.U.)	1	23-171 to 23-1242 inclusive
	464 324	B	HEATER ASSEMBLY - (Model 940-DA12) (15,000 B.T.U.)	1	23-1243 and up
-70	454 878		CLAMP - (#A3125-2H-179)	1	
-71	454 926		CLAMP - (#A3122-58-59)	5	
-72	454 914		CLAMP - (#A3122-50-59)	3	
-73	454 913		CLAMP - (#A3122-42-1)	4	
-74	454 912		CLAMP - (#A3122-34-1)	16	
-75	19288-00		TUBE - Heater air inlet	1	
-76	80032-87		CLAMP	3	23-747 and up
-77	19068-00		TUBE ASSEMBLY - Combustion blower air take-off	1	23-747 to 23-1209 inclusive
	19354-00		TUBE ASSEMBLY - Combustion blower air take-off	1	23-1210 and up
-78	19913-00		TUBE ASSEMBLY - Heater air take-off	1	23-2008 and up
-79	22502-07		HOSE - Instrument cooling, to firewall	1	23-2008 and up
-80	454 949		CLAMP - Hose (#A3122-16-1)	2	23-2008 and up
-81	19916-00		TUBE ASSEMBLY - Air distributing, firewall	1	23-2008 and up
-82	16633-33		HOSE - Instrument cooling, firewall to panel	2	23-2008 and up
-83	454 855		CLAMP - Hose (#A3122-14-1)	4	23-2008 and up
-84	19915-00		TUBE ASSEMBLY - Radio cooling	1	23-2008 and up
-85	19926-00		TUBE ASSEMBLY - Instrument cooling	1	23-2008 and up
-86	487 608		STRAP - Hose (#688-12-6-FR)	2	23-2008 and up
-87	458 899	A	ELBOW - (AN833-3D), Heater fuel line at support plate	1	
-88	477 617	A	NUT - (AN924-3D), Heater fuel line at support plate	1	

A - Used on PA-23-160 with serial nos. 23-1977, 23-1981, 23-1984 to 23-1987 and 23-2044 to 23-2046.
 B - See Figure 31 for breakdown.
 C - If present heater is rated 27,500 B.T.U., secure replacement heater 464 324.

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

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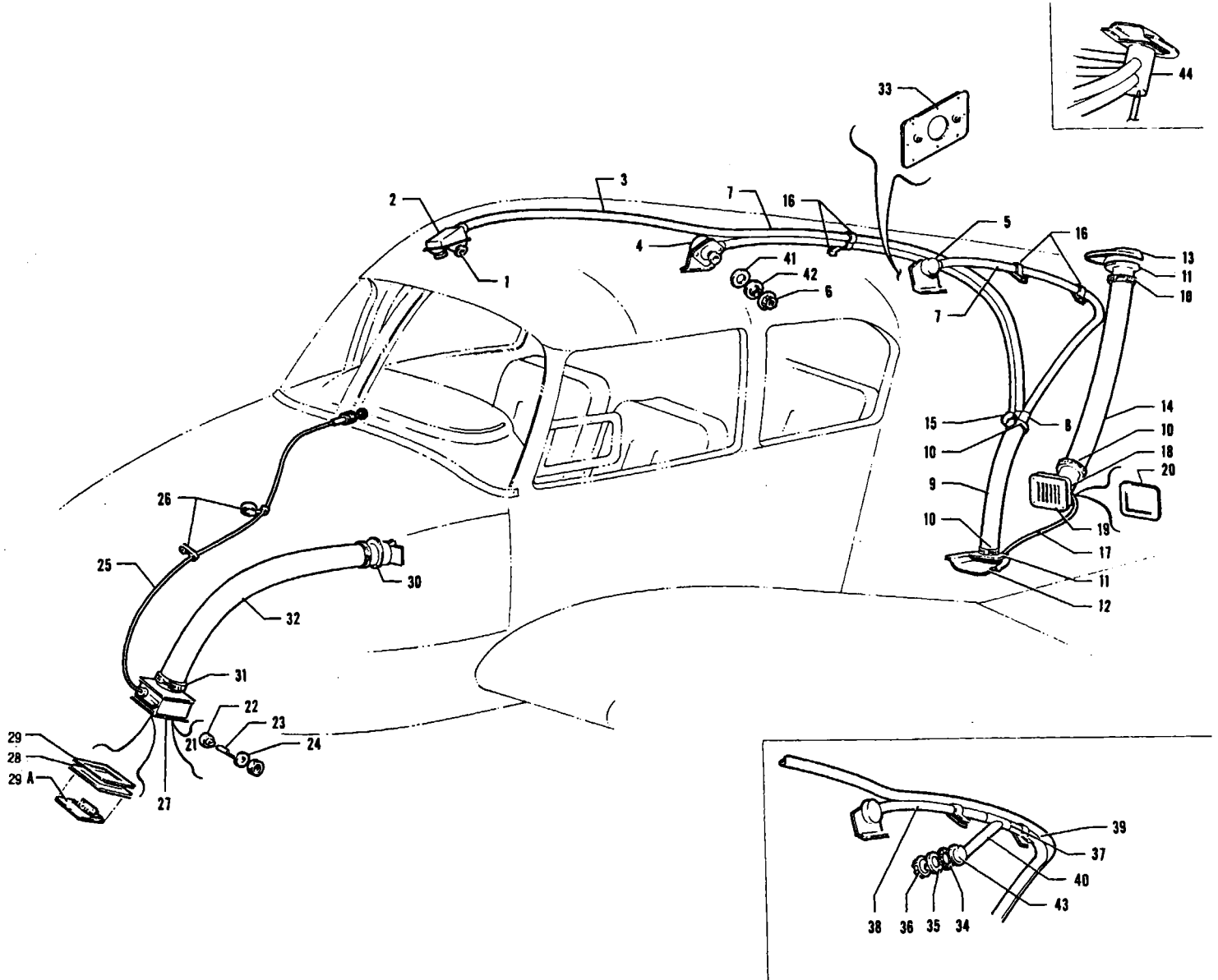


Figure 33. Ventilating System
(Serial Nos. 23-1 to 23-1870 inclusive)



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
33-	18427 19385 19591		DRAWING - Ventilator Installation DRAWING - Ventilator Installation DRAWING - Ventilator Installation		23-1 to 23-1196 inclusive 23-1197 to 23-1501 inclusive 23-1502 to 23-1870 inclusive
-1	492 321 492 323 19380-00		VENT - Welmac dual, ivory VENT - Welmac dual, black NOZZLE ASSEMBLY - Ventilator	1 1 2	23-1 to 23-375 inclusive 23-376 to 23-1196 inclusive 23-1197 to 23-1870 inclusive
-2	18406-00 19375-00 19375-00		BOX ASSEMBLY - Front air, right BOX ASSEMBLY - Front air, right BOX ASSEMBLY - Front air, left	1 1 1	23-1 to 23-1196 inclusive 23-1197 to 23-1870 inclusive 23-1197 to 23-1870 inclusive
-3	85052-19 85052-19		HOSE - Front ventilator HOSE - Front ventilator	1 2	23-1 to 23-1196 inclusive 23-1197 to 23-1870 inclusive
-4	18407-01 19376-01		BOX - Air vent, right BOX - Air vent, right	1 1	23-1 to 23-1196 inclusive 23-1197 to 23-1870 inclusive
-5	18407-00 18915-00 19376-00	A	BOX - Air vent, left BOX - Air vent, left BOX - Air vent, left	1 1 1	23-1 to 23-394 inclusive 23-395 to 23-1196 inclusive 23-1197 to 23-1870 inclusive
-6	492 320 492 322 19380-00		VENT - Welmac single, ivory VENT - Welmac single, black VENT - Welmac single, black	2 2 2	23-1 to 23-375 inclusive 23-376 to 23-1196 inclusive 23-1197 to 23-1870 inclusive
-7	85052-17 85052-17		HOSE - Aluminum air HOSE - Aluminum air, right	2 1	23-1 to 23-1196 inclusive 23-1197 to 23-1870 inclusive
-8	18408-00 19356-00		BOX ASSEMBLY - Distribution BOX ASSEMBLY - Distribution	1 1	23-1 to 23-1196 inclusive 23-1197 to 23-1501 inclusive
-9	10525-28		HOSE - Flexible	1	23-1 to 23-1501 inclusive
-10	454 913		CLAMP - Tinnerman (#A3122-42-1)	4	
-11	18409-00		TAKE-OFF ASSEMBLY	2	
-12	18405-00 18412-00		SCOOP ASSEMBLY - Air intake VENT - Air exhaust	1 1	23-1 to 23-1501 inclusive 23-1502 to 23-1870 inclusive
-13	18412-00 18405-00		VENT - Air exhaust SCOOP ASSEMBLY - Air intake	1 1	23-1 to 23-1501 inclusive 23-1502 to 23-1870 inclusive
-14	10525-29		HOSE - Air exhaust	1	
-15	80032-36		CLAMP - Off-set	1	23-1 to 23-1501 inclusive
-16	80032-74		CLAMP - Off-set	6	
-17	13586-56		TUBE - Exhaust tube drain	1	
-18	18411-00		BOX - Exhaust intake	1	
-19	12678-00		GRILL - Exhaust intake box	1	
-20	18428-00		GASKET - Air vent box	2	
-21	70371-00		FITTING ASSEMBLY - Swivel	1	
-22	70371-02		SWIVEL	1	
-23	70371-03		STUD - (487 283)	1	
-24	81342-19		WASHER	1	
-25	17969-02		CABLE ASSEMBLY - Flexible	1	
-26	80032-70		CLAMP - Off-set	2	
-27	18392-00		BOX - Cabin air intake	1	
-28	18395-00		GASKET	1	
-29	18396-00		GASKET	1	
-29a	18393-00		VALVE ASSEMBLY - Ventilator box	1	
-30	18390-00		TUBE - Deflector	1	
-31	454 914		CLAMP - Tinnerman (#A3122-50-59)	2	

A - Box 18915-00 used when fifth seat is installed on airplanes 23-1 to 23-394 inclusive.

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

VENTILATOR INSTALLATION
(Serial Nos. 23-1 to 23-1870 incl.)



SECTION II
Fuselage Group

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
33-32	10525-27		HOSE - Air duct	1	
-33	18941-00		PANEL ASSEMBLY - Vent box cover, gray	1	23-396 to 23-1196 inclusive
-34	19378-00		GASKET - Ventilator	1	23-1197 to 23-1870 inclusive
-35	19377-00		RING - Ventilator retainer	1	23-1197 to 23-1870 inclusive
-36	19380-00		NOZZLE ASSEMBLY - Ventilator	1	23-1197 to 23-1870 inclusive
-37	19383-00		TUBE ASSEMBLY - Cabin fresh air distribution	1	23-1197 to 23-1870 inclusive
-38	85052-25		HOSE - Cabin fresh air vent, rear	1	23-1197 to 23-1870 inclusive
-39	85052-24		HOSE - Cabin fresh air vent, front	1	23-1197 to 23-1870 inclusive
-40	85052-11		HOSE - Cabin fresh air vent, left rear	1	23-1197 to 23-1870 inclusive
-41	19378-00		GASKET - Ventilator	4	23-1197 to 23-1870 inclusive
-42	19377-00		RING - Ventilator retainer	4	23-1197 to 23-1870 inclusive
-43	19384-00		BOX ASSEMBLY - Ventilator mounting	1	23-1197 to 23-1501 inclusive
	19578-00		BOX ASSEMBLY - Ventilator mounting	1	23-1502 to 23-1870 inclusive
-44	19477-09		BOX ASSEMBLY - Fresh air distribution	1	23-1502 to 23-1870 inclusive

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

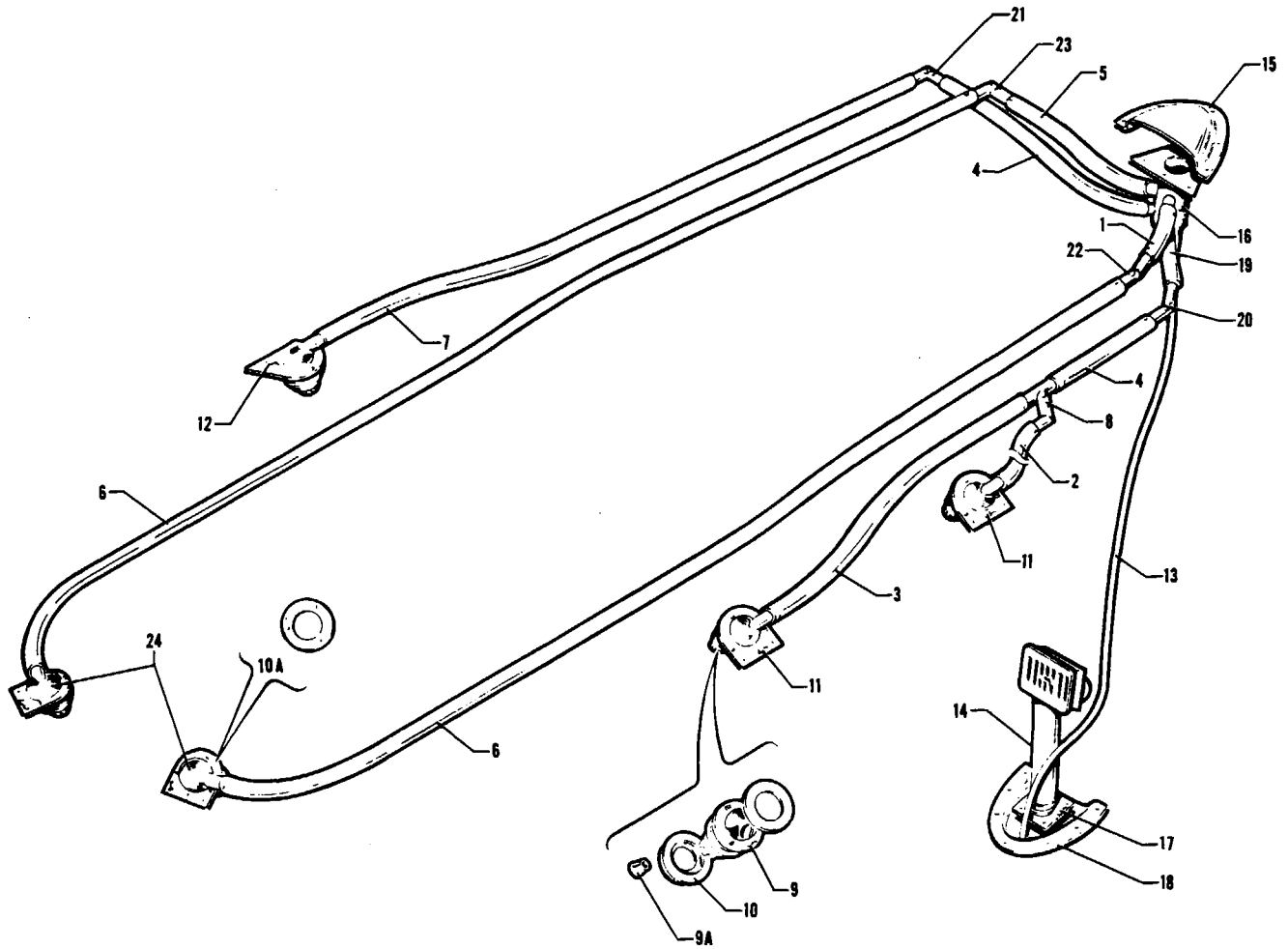


Figure 34. Ventilating System
(Serial Nos. 23-1871 and up)



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
34-	16388		DRAWING - Ventilating System Installation		
-1	13586-77		TUBE - Plastic	1	
-2	13586-83		TUBE - Plastic (6")	1	
	19790-03		TUBE - Plastic (25")	1	
-3	13586-80		TUBE - Plastic (33")	1	
	13586-93		TUBE - Plastic (8")	1	
-4	13586-91		TUBE - Plastic	2	
-5	13586-76		TUBE - Plastic	1	
-6	13586-82		TUBE - Plastic (99") right	1	
	19790-02		TUBE - Plastic (43") left rear	1	
	13586-92		TUBE - Plastic (57") left front	1	
	85052-11		TUBE - Aluminum (8") foreward	2	23-1908 and up
	86142-34		TUBE - Aluminum (2") foreward	2	23-1908 and up
-7	13586-81		TUBE - Plastic	1	
-8	16876-00		TUBE ASSEMBLY - Air distribution	1	
-9	19380-05		NOZZLE ASSEMBLY - Ventilator	5	23-1871 to 23-2012 inclusive
	19380-06		NOZZLE ASSEMBLY - Ventilator	5	23-2013 and up
-9a	471 059		KNOB - Nozzle assembly, black	1	
	471 082		KNOB - Nozzle assembly, gray	1	
-10	22045-00		RING ASSEMBLY - Ventilator retainer	5	23-1871 to 23-1967 inclusive
	19377-00		RING ASSEMBLY - Ventilator retainer	5	23-1968 and up
-10a	19871-00		GASKET - Ventilator retainer	5	23-1968 and up
-11	21922-01		BOX ASSEMBLY - Ventilator mounting, left	2	
-12	21922-00		BOX ASSEMBLY - Ventilator mounting, right	1	
-13	13586-56		DRAIN - Plastic tube	1	
-14	10525-77		HOSE - Felxible	1	
-15	18405-00		SCOOP - Cabin air inlet	1	
-16	19477-09		BOX ASSEMBLY - Cabin air distribution	1	
-17	18409-00		TUBE ASSEMBLY - Exhaust air take-off	1	
-18	18412-00		VENT - Air exhaust	1	
-19	13586-79		TUBE - Plastic	1	
-20	16878-00		TUBE ASSEMBLY - Cabin air, left	1	
-21	16878-01		TUBE ASSEMBLY - Cabin air, right	1	
-22	16879-00		TUBE ASSEMBLY - Cabin air, left	1	
-23	16879-01		TUBE ASSEMBLY - Cabin air, right	1	
-24	16877-00		BOX ASSEMBLY - Ventilator mounting, front, left	1	
	16877-01		BOX ASSEMBLY - Ventilator mounting, front, right	1	

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

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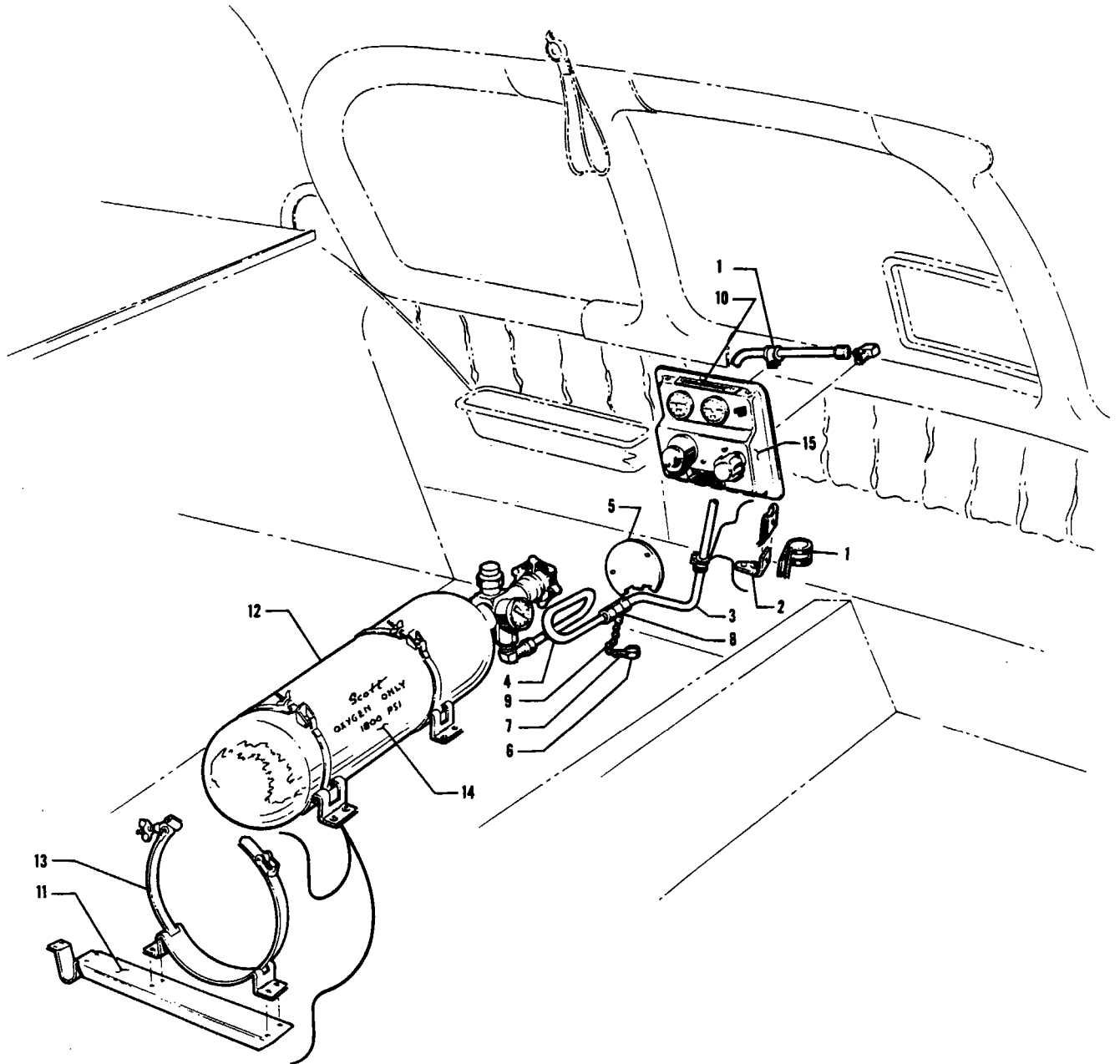


Figure 35. Oxygen System Installation



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
35-	18683	B	DRAWING - Oxygen System Installation		
-1	454 929	B	CLAMP - Tube (A4980S-4-91)	2	
-2	406 440	B	ANGLE ASSEMBLY - Tinnerman (#5980-832-90)	1	
-3	18710-00	B	LINE ASSEMBLY - Oxygen	1	
-4	18709-00	B	LINE ASSEMBLY - Oxygen	1	
-5	17868-00	B	PLATE - Access	1	
-6	480 951	B	PLUG - (#400-11-316)	1	
-7	18708-03	B	LINK - Oxygen line plug chain	1	
-8	18708-02	B	LINK - Oxygen line plug chain	1	
-9	159 125	B	CHAIN - Bead (#10)	4"	
-10	18758-00	B	PLACARD - Oxygen console	1	
-11	18707-00	B	BRACKET - Oxygen cylinder mounting	2	
-12	18674-00	B	KIT ASSEMBLY - Oxygen system	1	
-13		A	CLAMP - Cylinder mounting (#8590)	2	
-14		A	CYLINDER - Oxygen (#6350A5-O)	1	
-15		A	CONSOLE - Oxygen (#8800)	1	

A - Not available through Piper Aircraft Corporation; secure direct from Scott Aviation Corporation, Lancaster, New York.
 B - Available only for aircraft with fixed rear seat.

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

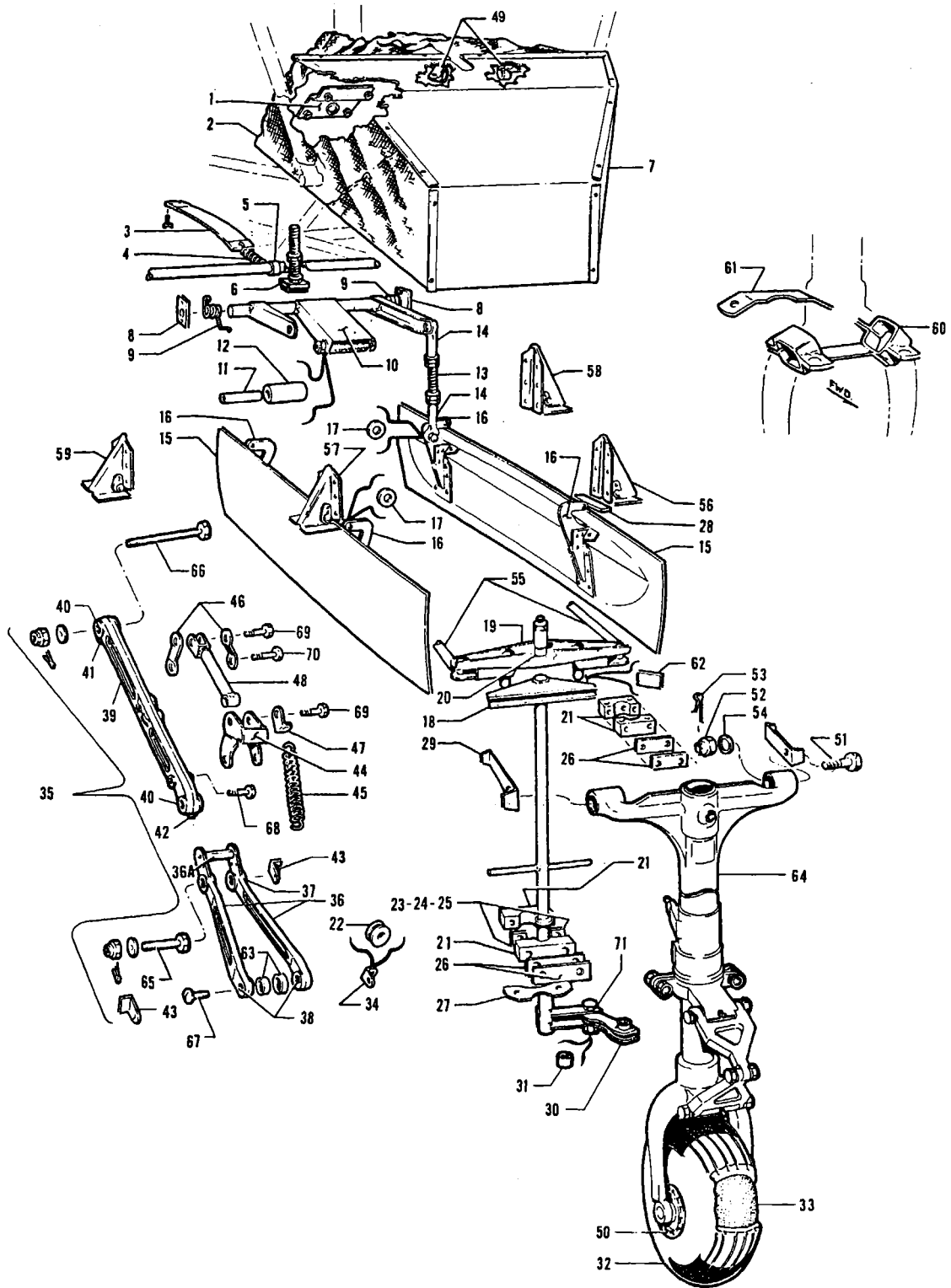


Figure 36. Nose Gear Installation

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
36-	17808		DRAWING - Landing Gear Installation		
-1	18353-00		BRACKET ASSEMBLY - Wheel well blanket attachment	1	
-2	18343-00		BLANKET ASSEMBLY - Nose wheel well	1	
-3	18326-00		PLATE ASSEMBLY - Nose wheel anti-rotator	1	
-4	83302-26		SPRING - Coil	1	
-5	454 942		CLAMP - Tinnerman (A2980S-16-1)	1	
-6	17461-00		BUMPER ASSEMBLY - Nose gear	1	23-1 to 23-1870 inclusive
	17461-05		BUMPER ASSEMBLY - Nose gear	1	23-1871 and up
-7	18354-00		PANEL - Nose wheel well front	1	
-8	17544-02		BLOCK - Bearing	2	
-9	17684-01		SPRING - Nose gear cover torsion, right	1	
	17684-00		SPRING - Nose gear cover torsion, left	1	
-10	17664-00		TUBE ASSEMBLY - Nose wheel door actuating	1	
-11	14175-29		* BUSHING	1	
-12	14175-28		* BUSHING	1	
-13	17696-00		ROD ASSEMBLY - Nose gear cover actuating	2	
-14	452 335		* BEARING - Rod end (FC34-14)	2	
-15	17742-00		DOOR ASSEMBLY - Nose gear, left	1	
	17742-01		DOOR ASSEMBLY - Nose gear, right	1	
-16	17692-00		* HINGE - Nose gear door	2	
-17	80012-97		* * BUSHING	2	
-18	17647-10		TUBE ASSEMBLY - Steering torque	1	
-19	17310-00		ARM ASSEMBLY - Nose gear steering	1	
-20	17311-00		* BUSHING - Nose gear steering horn	1	
-21	18399-300		BLOCK ASSEMBLY - Nose wheel steering tube bearing (complete)	2	
-22	434 126		GROMMET - (AN931-3-5)	1	
-23	41371-02		SHIM - Torque tube bearing (.10)	AR	
-24	41371-03		SHIM - Torque tube bearing (.15)	AR	
-25	41371-04		SHIM - Torque tube bearing (.32)	AR	
-26	18022-00		SHIM - Steering tube bearing	4	
-27	18021-00	A	STOP - Steering torque tube	1	
-28	18344-03		STOP - Landing gear cover	1	
-29	17682-00		STOP - Bolt	2	
-30	17569-00		LINK ASSEMBLY - Nose wheel steering	1	
-31	86102-02		BUSHING	1	
-32	451 720		TIRE - (6.00 x 6, 4 ply) Type III McCreary	1	
	761 970		TIRE - (6.00 x 6, 4 ply) B.F. Goodrich	1	
	761 994		TIRE - (6.00 x 6, 4 ply) McCreary Airhawk	1	
	762 032		TIRE - (6.00 x 6, 4 ply) Goodyear Flight Custom II	1	
-33	451 735		TUBE - (600 x 6)	1	
-34	17602-03		LUG - Wire support	1	23-1 to 23-1837 inclusive
	17602-02		LUG - Wire support	1	23-1838 and up
-35	19060-00		LINK ASSEMBLY - Nose gear drag (complete)	1	23-1 to 23-1837 inclusive
	16279-00		LINK ASSEMBLY - Nose gear drag (complete)	1	23-1838 and up
-36	19046-00	B	* LINK ASSEMBLY - Nose gear drag, lower	1	23-527 to 23-1837 inclusive
	16279-07		* LINK ASSEMBLY - Nose gear drag, lower	1	23-1838 and up
-36a	16186-00		* * BAR - Down latch catch	1	23-1838 and up
-37	14175-15		* * BUSHING	2	23-1 to 23-1837 inclusive
-38	14175-26		* * BUSHING	2	23-1 to 23-1837 inclusive

A - Used when stop is not part of nose strut casting.
 B - Used in airplanes 23-1 to 23-256 inclusive if drag link assembly incorporates down lock latch of riveted steel plate construction.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
36-39	19045-00	A	LINK ASSEMBLY - Nose gear upper drag	1	23-527 to 23-1837 inclusive
	16198-00		LINK ASSEMBLY - Nose gear upper drag	1	23-1838 and up
-40	14175-18		BUSHING	2	23-1 to 23-1837 inclusive
	14843-11		BUSHING	4	23-1838 and up
-41	460 690		FITTING - Lubricator (AN944-201A)	1	23-1 to 23-1837 inclusive
	460 691		FITTING - Lubricator (AN944-101)	1	23-1838 and up
-42	460 691		FITTING - Lubricator (AN944-101)	1	
-43	19155-02	B	FITTING - Landing gear lock spring	1	23-1 to 23-1837 inclusive
	19155-03		FITTING - Landing gear lock spring	2	23-1838 and up
-44	19033-00	A	LATCH ASSEMBLY - Nose gear down lock	1	23-527 to 23-1837 inclusive
	16235-03		LATCH ASSEMBLY - Nose gear down lock	1	23-1838 and up
-45	83302-21		SPRING - Landing gear lock	4	
-46	16667-00		LINK ASSEMBLY - Nose gear lock	2	
-47	19155-03		FITTING - Landing gear lock spring, upper	2	
-48	17645-00		LINK ASSEMBLY - Nose gear down lock	1	
-49	454 886		CLAMP - Tinnerman (A4886S-10-24)	2	
-50	451 755	CG	WHEEL ASSEMBLY - Nose (38501)	1	23-1 and up
	451 784	C	WHEEL ASSEMBLY - Nose (40-76B)	1	
-51	402 530		BOLT - (AN178-40)	2	
-52	404 105		NUT - (AN310-8)	2	
-53	424 059		PIN - (AN380-3-3)	2	
-54	407 569		WASHER - (AN960-8-16)	2	
-55	17314-00		ROD ASSEMBLY - Nose gear steering	2	
-56	17546-04		BRACKET - Hinge, left nose gear door, front	1	
-57	17546-06		BRACKET - Hinge, right nose gear door, front	1	
-58	17546-01		BRACKET - Hinge, left nose gear door, rear	1	
-59	17546-00		BRACKET - Hinge, right nose gear door, rear	1	
-60	18992-00	D	CLAMP ASSEMBLY - Tow bar attachment	1	23-430 and up
-61	18993-00	D	STRAP - Tow bar clamp	1	23-430 and up
-62	18874-00		SHIM - Nose gear steering horn (.032)	AR	
	18874-02		SHIM - Nose gear steering horn (.062)	AR	
	18874-03		SHIM - Nose gear steering horn (.125)	AR	
-63	14976-43	E	BUSHING	2	23-1646 to 23-1837 inclusive
-64	19273-00	AFH	STRUT ASSEMBLY - Nose gear (400-88)	1	23-1 to 23-1645 inclusive
	19273-02	F	STRUT ASSEMBLY - Nose gear (400-130) (PAC 31767-00)	1	23-1646 and up

A - Used on airplanes 23-1 to 23-526 inclusive if drag link assembly incorporates down lock latch of riveted steel plate construction.
 B - Used fitting 19231-00 on bolt head side only.
 C - See Figure 36A for component parts.
 D - Used when tow bar attachment is not incorporated on the nose gear forging.
 E - Used if strut, Part No. 400 130, is installed on 23-1 to 23-1837 inclusive.
 F - See Figure 38 for component parts.
 G - Part is no longer available. Order Wheel Assembly Part No. 451 784 and two Spacer Bushings Part No. 31786-02 when replacing Model No. 38501 Wheel. Order Part No. 451 784 Wheel only if Model No. 40-76B has previously been installed.
 H - Use strut part no. 19273-02 if present strut no. is 400 130.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED	
36-65	402 356		BOLT - Nose gear drag link, upper/lower (AN176-26)	1	23-1 to 23-1837 inclusive	
	402 357		BOLT - Nose gear drag link, upper/lower (AN176-27)	1	23-1838 and up	
	404 103		NUT - Nose gear drag link, upper/lower (AN310-6)	1	23-1838 and up	
	424 059		PIN - Nose gear drag link, upper/lower (AN380-3-3)	1	23-1838 and up	
	407 567		WASHER - Nose gear drag link, upper/lower (AN960-616)	1	23-1838 and up	
-66	400 235		BOLT - Nose gear drag link, upper (AN6-43)	2		
	404 103		NUT - Nose gear drag link, upper (AN310-6)	2		
	424 059		PIN - Nose gear drag link, upper (AN380-3-3)	2		
	407 567		WASHER - Nose gear drag link, upper (AN960-616)	2		
	-67	400 777		BOLT - Nose gear drag link, lower (AN25-26)	2	23-1 to 23-1837 inclusive
404 394			NUT - Nose gear drag link, lower (AN320-5)	2	23-1 to 23-1837 inclusive	
424 051			PIN - Nose gear drag link, lower (AN380-2-2)	2	23-1 to 23-1837 inclusive	
407 566			WASHER - Nose gear drag link, lower (AN960-516)	2	23-1 to 23-1837 inclusive	
400 758			BOLT - Nose gear drag link, lower (AN26-22)	2	23-1838 and up	
404 395			NUT - Nose gear drag link, lower (AN320-6)	2	23-1838 and up	
424 059			PIN - Nose gear drag link, lower (AN380-3-3)	2	23-1838 and up	
407 567			WASHER - Nose gear drag link, lower (AN960-616)	2	23-1838 and up	
-68		400 112	A	BOLT - Nose gear drag link lock attachment (AN4-17)	1	23-1 to 23-526 inclusive
		404 101	A	NUT - Nose gear drag link lock attachment (AN310-4)	1	23-1 to 23-526 inclusive
		424 051	A	PIN - Nose gear drag link lock attachment (AN380-2-2)	1	23-1 to 23-526 inclusive
	407 567	A	WASHER - Nose gear drag link lock attachment (AN960-616)	1	23-1 to 23-526 inclusive	
	400 162		BOLT - Nose gear drag link lock attachment (AN5-17)	1	23-527 and up	
	404 102		NUT - Nose gear drag link lock attachment (AN310-5)	1	23-527 and up	
	424 051		PIN - Nose gear drag link lock attachment (AN380-2-2)	1	23-527 and up	
	407 586		WASHER - Nose gear drag link lock attachment (AN960-516L)	2	23-527 and up	
	407 566		WASHER - Nose gear drag link lock attachment (AN960-516)	3	23-527 and up	
	-69	400 107		BOLT - Nose gear drag link lock rod attachment, upper (AN4-12)	2	23-1 and up
		404 101		NUT - Nose gear drag link lock rod attachment, upper (AN310-4)	2	23-1 and up
424 051			PIN - Nose gear drag link lock rod attachment, upper (AN380-2-2)	2	23-1 and up	
407 565			WASHER - Nose gear drag link lock rod attachment, upper (AN960-416)	2	23-1 and up	
-70		400 112	A	BOLT - Nose gear drag link lock rod attachment, lower (AN4-17)	1	23-1 to 23-526 inclusive
	400 111		BOLT - Nose gear drag link lock rod attachment, lower (AN4-16)	1	23-527 and up	
	404 101		NUT - Nose gear drag link lock rod attachment, lower (AN310-4)	1		
	424 051		PIN - Nose gear drag link lock rod attachment, lower (AN380-2-2)	1		
	407 565		WASHER - Nose gear drag link lock rod attachment, lower (AN960-416)	1		
	-71	400 057		BOLT - Nose gear steering rod attachment, lower (AN3-12)	1	23-1 and up
		404 100		NUT - Nose gear steering rod attachment, lower (AN310-3)	1	23-1 and up
424 051			PIN - Nose gear steering rod attachment, lower (AN380-2-2)	1	23-1 and up	
407 564			WASHER - Nose gear steering rod attachment, lower (AN960-10)	1	23-1 and up	
			A - If Service Letter 278A has been complied with, order part for serial numbers 23-527 and up.			

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

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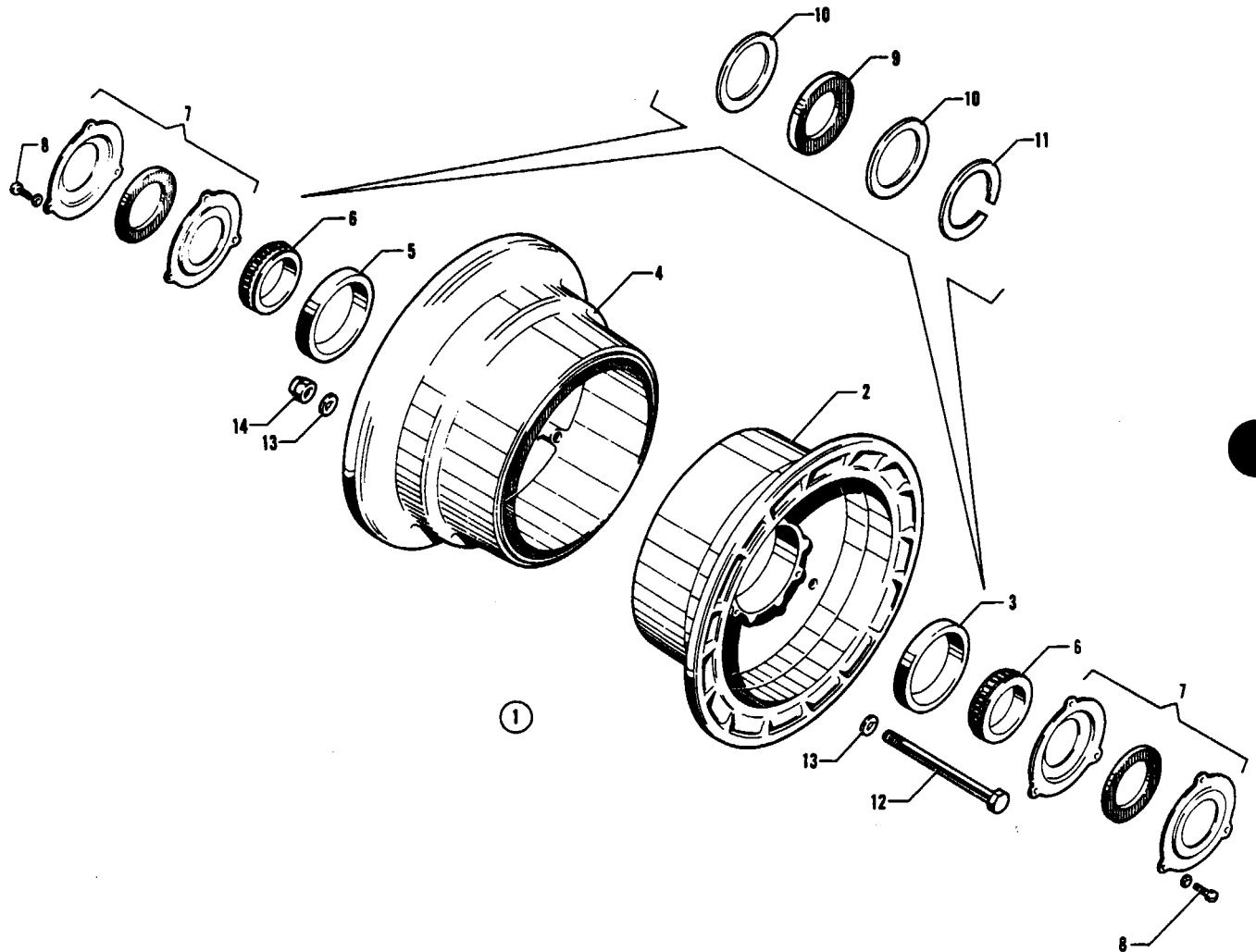


Figure 36A. Nose Wheel Assembly



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
36A-1	451 755	A	WHEEL ASSEMBLY - Nose (38501)	1	23-1 and up
	451 784		WHEEL ASSEMBLY - Nose (40-76B)	1	
-2	753 129	B	WHEEL HALF ASSEMBLY - Inner (3045A)	1	
	753 195	C	WHEEL HALF ASSEMBLY - Inner (161-30)	1	
-3	751 494		CUP - Bearing (13836)	1	
-4	753 128	B	WHEEL HALF ASSEMBLY - Outer (3041-A) (with valve hole)	1	
	753 194	C	WHEEL HALF ASSEMBLY - Outer (162-27) (with valve hole)	1	
-5	751 494		CUP - Bearing (13836)	1	
-6	751 489		BEARING - Cone, Timken (13889)	2	
-7	752 882	B	GREASE SEAL ASSEMBLY - (B39001)	2	
-8	756 129	B	SCREW - (8-32 x 1/2)	6	
	407 134	B	WASHER - (AN936A8)	6	
-9	751 819	C	FELT - Grease seal (154-14)	2	
-10	755 964	C	RING - Grease seal (153-9)	4	
-11	752 830	C	RING - Snap (3023)	2	
-12	401 334	B	BOLT - (AN4-36A)	3	
	751 405	C	BOLT - (AN5-35A)	3	
-13	407 565	B	WASHER - (AN960-416)	6	
	407 566	C	WASHER - (AN960-516)	6	
-14	404 888	B	NUT - (AN365-428)	3	
	404 889	C	NUT - (AN365-524)	3	

A - Part is no longer available. Order Wheel Assembly Part No. 451 784 and two Spacer Bushings Part No. 31786-02 when replacing Model No. 38501 Wheel. Order Part No. 451 784 Wheel only, if Model No. 40-76B has previously been installed.
 B - Used on Model 38501 Wheel Assembly only.
 C - Used on Model 40-76B Wheel Assembly only.

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

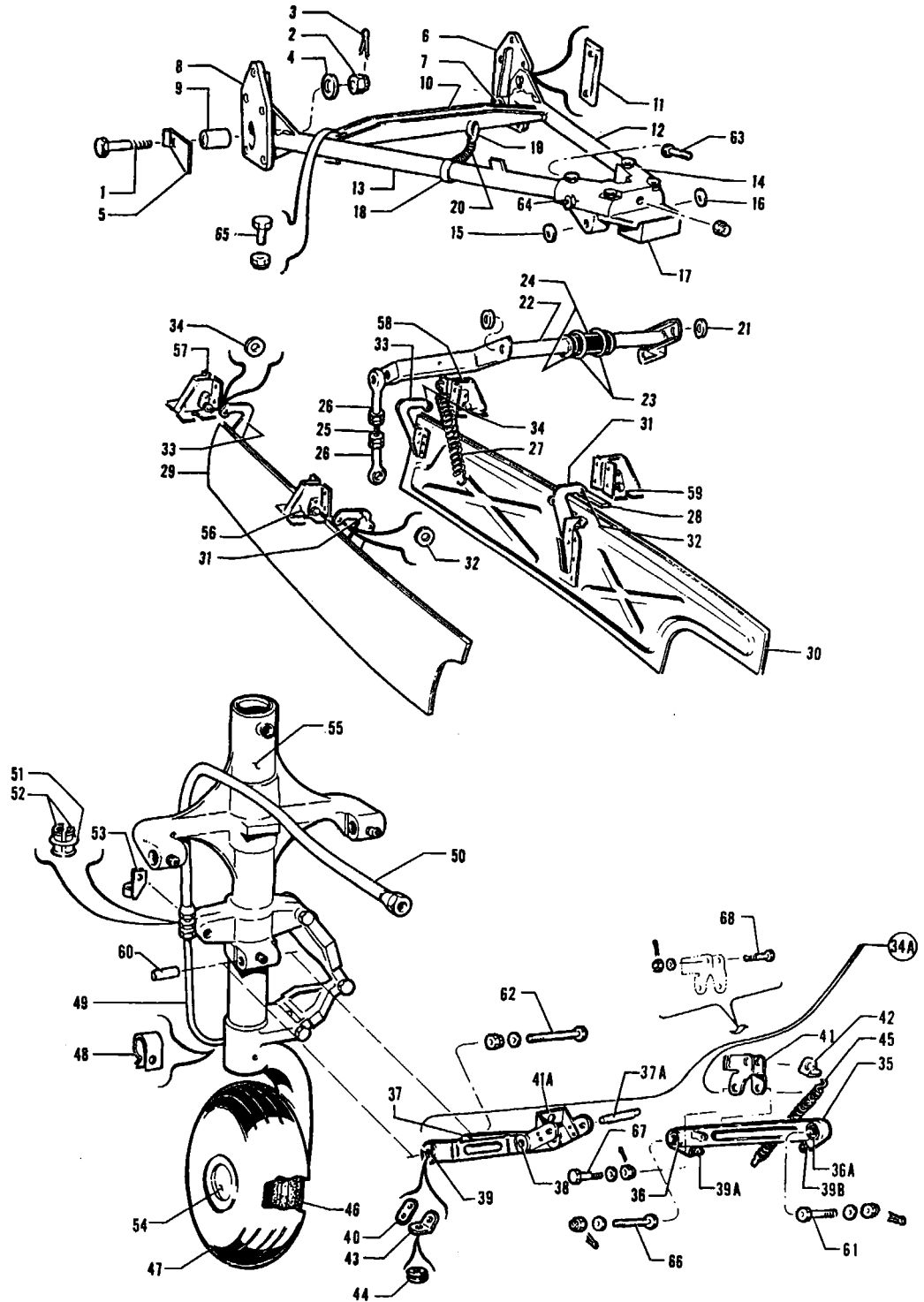


Figure 37. Main Gear Installation



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
37-	17808		DRAWING - Landing Gear Installation		
-1	402 525		BOLT - (AN178-33)	4	
-2	404 105		NUT - (AN310-8)	4	
-3	424 059		PIN - (AN380-3-3)	4	
-4	407 569		WASHER - (AN960-816)	4	
-5	17547-04		STOP - Bolt	4	
-6	17398-01		FITTING ASSEMBLY - Landing gear inboard, right	1	
	17398-00		FITTING ASSEMBLY - Landing gear inboard, left	1	
-7	80012-99		BUSHING	1	
-8	17399-01		FITTING ASSEMBLY - Landing gear outboard, right	1	
	17399-00		FITTING ASSEMBLY - Landing gear outboard, left	1	
-9	80012-99		BUSHING	1	
-10	18574-00		CHANNEL - Reinforcement	2	
-11	18570-00		STRIP - Reinforcement	8	
-12	17420-01		TUBE ASSEMBLY - Drag link fitting support, right gear	1	
	17420-00		TUBE ASSEMBLY - Drag link fitting support, left gear	1	
-13	17420-02		TUBE ASSEMBLY - Drag link fitting support, right gear	1	
	17420-03		TUBE ASSEMBLY - Drag link fitting support, left gear	1	
-14	17411-01		FITTING ASSEMBLY - Landing gear drag link, right	1	23-1 to 23-1837 inclusive
	17411-00		FITTING ASSEMBLY - Landing gear drag link, left	1	23-1 to 23-1837 inclusive
	16229-00		FITTING ASSEMBLY - Landing gear drag link, left	1	23-1838 and up
	16229-01		FITTING ASSEMBLY - Landing gear drag link, right	1	23-1838 and up
-15	14175-02		BUSHING	1	23-1 to 23-1837 inclusive
-16	14175-03		BUSHING	1	23-1 to 23-1837 inclusive
-17	17518-00		BUMPER ASSEMBLY - Landing gear	2	
-18	80002-25		CLAMP	2	
-19	454 885		CLAMP - Tinnerman (A4886S-8-24)	2	
-20	487 291		SPRING - Brake line	2	
-21	14175-34		WASHER	4	
-22	17795-00		LINK ASSEMBLY - Main gear door actuating	2	
-23	40081-00		SNAP RING	4	
-24	17794-00		BUSHING - Segment	4	
-25	17802-00		ROD ASSEMBLY - Main gear cover actuating	4	
-26	452 335		BEARING - (F34-14)	2	
-27	83302-32		SPRING - L.G. Door	4	
-28	18344-03		STOP - Landing gear cover	2	
-29	19098-00	A	DOOR ASSEMBLY - Right, main gear outboard	1	
	17793-00	A	DOOR ASSEMBLY - Left, main gear outboard	1	
-30	19092-00	A	DOOR ASSEMBLY - Right, main gear inboard	1	
	17792-00	A	DOOR ASSEMBLY - Left, main gear inboard	1	
-31	17765-02	A	HINGES - Front	4	
-32	80012-97	A	BUSHING - Hinge	1	
-33	17765-00	A	HINGES - Rear	4	
-34	80012-97	A	BUSHING - Hinge	1	
-34a	19059-00		LINK ASSEMBLY - Main gear drag (complete)	2	23-1 to 23-1837 inclusive
	16240-00		LINK ASSEMBLY - Main gear drag (complete)	2	23-1838 and up

A - Component part of rear bottom nacelle assemblies
17913-66 and 17913-67. (Figure 50)

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

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
37-35	19043-00	A	* LINK ASSEMBLY - Main gear drag, upper	1	23-512 to 23-1837 inclusive
	16190-00		* LINK ASSEMBLY - Main gear drag, upper	1	23-1838 and up
-36	14175-18		** BUSHING	1	23-1 to 23-1837 inclusive
	14976-33		** BUSHING	2	23-1838 and up
-36a	14843-11		** BUSHING - (.468" L)	2	
	14175-18		** BUSHING - (1" L)	1	
	14976-33		** BUSHING	2	23-1838 and up
-37	19044-00	A	* LINK ASSEMBLY - Main gear drag, lower	1	23-512 to 23-1837 inclusive
	16240-05		* LINK ASSEMBLY - Main gear drag, lower	1	23-1838 and up
-37a	16186-00		** BAR - Down latch catch	1	23-1838 and up
-38	14175-15		** BUSHING	2	23-1 to 23-1837 inclusive
-39	14175-14		** BUSHING	2	23-1 to 23-1837 inclusive
-39a	460 801		* FITTING - Lubricator (MS15001-4) 90°	1	23-1 to 23-1837 inclusive
	460 691		* FITTING - Lubricator (AN944-101)	1	23-1838 and up
-39b	460 691		* FITTING - Lubricator (AN944-101)	1	
-40	19155-02		* FITTING - Lock spring, lower, nut side only	1	23-1 to 23-1837 inclusive
	16321-02		* FITTING - Landing gear lock spring	2	23-1838 and up
-41	19021-00	A	* LATCH ASSEMBLY - Main gear down lock	1	23-512 to 23-1837 inclusive
	16235-02		* LATCH ASSEMBLY - Main gear down lock	1	23-1838 and up
-41a	16250-00		* BRACKET - Landing gear limit switch	1	23-1838 and up
-42	19155-03		FITTING - Landing gear lock spring, upper	4	
-43	17602-02		LUG - Wire support	2	23-1 to 23-1837 inclusive
	17602-04		LUG - Wire support	2	23-1838 and up
-44	434 126		GROMMET - (AN931-3-5)	2	
-45	83302-21		SPRING - Landing gear lock	8	
-46	451 736		TUBE - (700 x 6)	2	
-47	761 971		TIRE - (7.00 x 6, 6 ply) B.F. Goodrich	2	
	761 999		TIRE - (7.00 x 6, 6 ply) McCreary Airhawk	2	
	762 037		TIRE - (7.00 x 6, 6 ply) Goodyear Flight Custom II	2	
-48	80032-51	B	CLAMP - Brake line	2	23-1 to 23-863 inclusive
	80032-90		CLAMP - Brake line	2	23-864 and up
-49	17687-00	C	LINE ASSEMBLY - Landing gear brake, lower	2	
	19204-00	D	LINE ASSEMBLY - Landing gear brake, left	1	
	19204-01	D	LINE ASSEMBLY - Landing gear brake, right	1	
-50	17766-34		HOSE ASSEMBLY - Flexible	2	
-51	40081-00		RING - Snap	2	
-52	40701-02		SEGMENT - Cable fairlead	4	
-53	17539-01		BUSHING ASSEMBLY - Brake line guide, right main gear	1	
	17539-00		BUSHING ASSEMBLY - Brake line guide, left main gear	1	
-54	753 151	E	WHEEL ASSEMBLY - Main, Goodrich (G-3-880) (600 x 6)	2	
	451 767	E	WHEEL ASSEMBLY - Main, Cleveland (3080A)	2	

A - Used on airplanes 23-1 to 23-511 incl. if drag link assembly incorporates down lock latch of riveted steel plate construction.
 B - Use 80032-90 if Cleveland brakes are installed.
 C - Used with Goodrich brake installation.
 D - Used with Cleveland brake installation.
 E - See Figure 41 for component parts.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
37-55	19272-00	AC	STRUT ASSEMBLY - Main gear (400-89)	2	23-1 to 23-1646 inclusive
	19272-02	C	STRUT ASSEMBLY - Main gear (400 131) (PAC 31903-00)	2	23-1646 and up
-56	18274-03		BRACKET - Hinge, right gear, inboard front	1	
	18274-10		BRACKET - Hinge, left gear, inboard front	1	
-57	18274-11		BRACKET - Hinge, right gear, inboard rear	1	
	18274-02		BRACKET - Hinge, left gear, inboard rear	1	
-58	18274-04		BRACKET - Hinge, right gear, outboard rear	1	
	18274-13		BRACKET - Hinge, left gear, outboard rear	1	
-59	18274-05		BRACKET - Hinge, right gear, outboard front	1	
	18274-12		BRACKET - Hinge, left gear, outboard front	1	
-60	14976-44	B	BUSHING	2	23-1646 to 23-1837 inclusive
-61	402 361		BOLT - Main gear drag link, upper (AN176-33)	2	23-1 to 23-1837 inclusive
	404 103		NUT - Main gear drag link, upper (AN310-6)	2	23-1 to 23-1837 inclusive
	424 059		PIN - Main gear drag link, upper (AN380-3-3)	2	23-1 to 23-1837 inclusive
	407 567		WASHER - Main gear drag link, upper (AN960-616)	2	23-1 to 23-1837 inclusive
	402 433		BOLT - Main gear drag link, upper (AN177-33)	2	23-1838 and up
	404 104		NUT - Main gear drag link, upper (AN310-7)	2	23-1838 and up
	424 059		PIN - Main gear drag link, upper (AN380-3-3)	2	23-1838 and up
	407 568		WASHER - Main gear drag link, upper (AN960-716)	2	23-1838 and up
-62	402 365		BOLT - Main gear drag link, lower (AN176-37)	2	23-1 to 23-1837 inclusive
	404 103		NUT - Main gear drag link, lower (AN310-6)	2	23-1 to 23-1837 inclusive
	424 059		PIN - Main gear drag link, lower (AN380-3-3)	2	23-1 to 23-1837 inclusive
	407 567		WASHER - Main gear drag link, lower (AN960-616)	2	23-1 to 23-1837 inclusive
	402 452		BOLT - Main gear drag link, lower (AN177-42)	2	23-1838 and up
	404 104		NUT - Main gear drag link, lower (AN310-7)	2	23-1838 and up
	424 059		PIN - Main gear drag link, lower (AN380-3-3)	2	23-1838 and up
	407 568		WASHER - Main gear drag link, lower (AN960-716)	2	23-1838 and up
-63	402 316		BOLT - Main gear drag link support fitting (AN174-15A)	4	
	406 682		NUT - Main gear drag link support fitting (42E048)	4	
-64	402 333		BOLT - Main gear drag link support fitting (AN175-10A)	2	
	406 683		NUT - Main gear drag link support fitting (42E054)	2	
-65	402 308		BOLT - Channel reinforcement (AN174-5A)	8	
	406 682		NUT - Channel reinforcement (42E048)	8	
-66	402 356		BOLT - Main gear drag link, center (AN176-26)	2	23-1 to 23-1837 inclusive
	404 103		NUT - Main gear drag link, center (AN310-6)	2	23-1 to 23-1837 inclusive
	424 059		PIN - Main gear drag link, center (AN380-3-3)	2	23-1 to 23-1837 inclusive
	407 567		WASHER - Main gear drag link, center (AN960-616)	2	23-1 to 23-1837 inclusive
	402 357		BOLT - Main gear drag link, center (AN177-27)	2	23-1838 and up
	404 104		NUT - Main gear drag link, center (AN310-7)	2	23-1838 and up
	424 059		PIN - Main gear drag link, center (AN380-3-3)	2	23-1838 and up
	407 568		WASHER - Main gear drag link, center (AN960-716)	2	23-1838 and up
-67	400 112		BOLT - Main gear drag link lock attachment (AN4-17)	2	23-1 and up
	404 101		NUT - Main gear drag link lock attachment (AN310-4)	2	23-1 and up
	424 051		PIN - Main gear drag link lock attachment (AN380-2-2)	2	23-1 and up
	407 585		WASHER - Main gear drag link lock attachment (AN960-416)	2	23-1 and up

A - Use strut, Part No. 19272-02, if present strut no. is 400 131.
 B - Used if strut, Part No. 400 131, is installed on 23-1 to 23-1837 inclusive.
 C - See Figure 38 for component parts.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
37-68	400 107		BOLT - Main gear lock actuating arm attachment (AN4-12)	2	23-1 to 23-511 inclusive
	400 116		BOLT - Main gear lock actuating arm attachment (AN4-16)	2	23-512 and up
	404 101		NUT - Main gear lock actuating arm attachment (AN310-4)	2	23-512 and up
	424 051		PIN - Main gear lock actuating arm attachment (AN380-2-2)	2	23-512 and up
	407 105		WASHER - Main gear lock actuating arm attachment (AN960-416)	2	23-512 and up

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

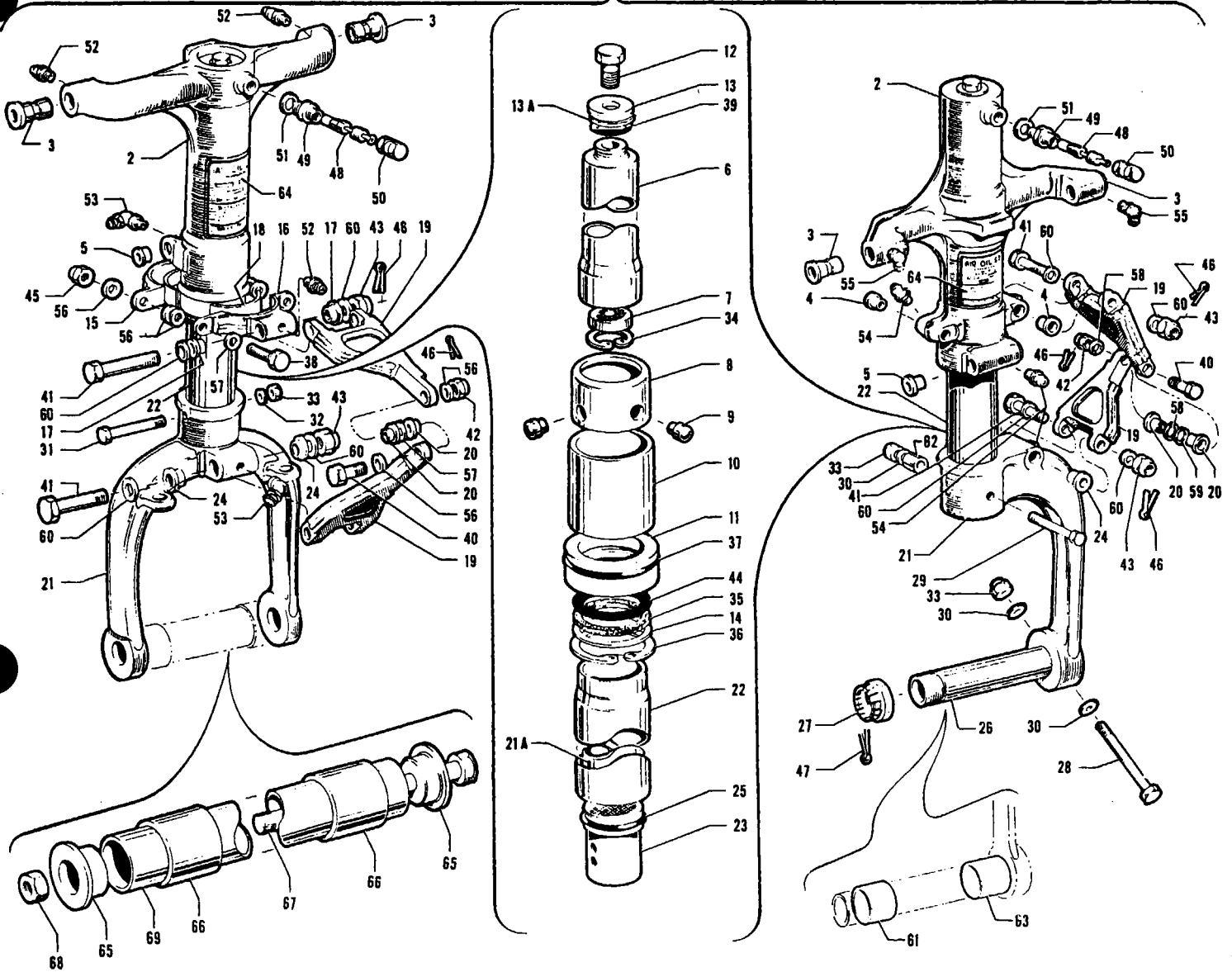


Figure 38. Nose and Main Gear Assembly

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Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
38-1	19272-00	D	STRUT ASSEMBLY - Main gear	2	23-1 to 23-1645 inclusive
	19272-02		STRUT ASSEMBLY - Main gear (400 131) (PAC 31903-00)	2	23-1646 and up
	19273-00	CD	STRUT ASSEMBLY - Nose gear	1	23-1 to 23-1645 inclusive
	19273-02		STRUT ASSEMBLY - Nose gear (400 130) (PAC 31767-00)	1	23-1646 and up
-2	751 366	G	HOUSING ASSEMBLY - Main gear strut	1	
	751 929	H	HOUSING ASSEMBLY - Main gear strut (PAC31835-00)	1	
	751 362	E	HOUSING ASSEMBLY - Nose gear strut	1	
	751 930	F	HOUSING ASSEMBLY - Nose gear strut (PAC 31768-00)	1	
-3	751 368		BUSHING - Housing assembly (PAC 31766-00)	2	
-4	751 367	A	BUSHING - (PAC 31785-00)	4	
-5	751 373	AG	BUSHING - Drag brace (PAC 35052-00)	2	
	751 416	AH	BUSHING - Drag brace (NAS77-7-68) (453 723)	2	
	751 367	BE	BUSHING - Drag brace (PAC31785-00)	2	
	751 417	BF	BUSHING - Drag brace (NAS77-6-40) (453 722)	2	
-6	752 993	EG	TUBE - Orifice	1	
	763 000	FH	TUBE - Orifice (PAC 31775-00)	1	
-7	752 733	EG	PLATE - Orifice	1	
	31776-00	FH	PLATE - Orifice	1	
-8	751 363		BEARING - Piston (PAC 31779-00)	1	
-9	01821-06		PIN - Piston	4	
-10	31782-00	A	SPACER - Gland	1	
	31777-00	B	SPACER - Gland	1	
-11	751 384	EG	BEARING - Gland (PAC 32108-00)	1	
	751 418	FH	BEARING - Gland (PAC 31780-00)	1	
-12	752 483	EG	NUT - (MS20364-1216C) (404 843)	1	
	401 388	FH	BOLT - (AN6H5A)	1	
-13	753 139	EG	WASHER - Orifice tube (PAC 32223-00)	1	
	31772-00	FH	WASHER - Orifice tube	1	
-13a	752 813	EG	RING - Back up (AN6246-15)	1	
-14	753 140	EG	WASHER - Retainer (PAC 31773-02)	1	
	753 162	EH	WASHER - Retainer (PAC 31773-00)	1	
-15	751 501	B	COLLAR - (PAC 31781-00)	1	
-16	752 915	B	COLLAR ASSEMBLY - Landing gear scissor (PAC 31812-00)	1	
-17	751 367	B	BUSHING - (PAC 31785-00)	2	
-18	752 304	B	LINING - Shimmy (PAC 31788-00)	2	
-19	752 914		SCISSOR AND BUSHING ASSEMBLY - (PAC 31805-00)	2	
-20	453 721		BUSHING - (PAC 31796-00)	1	

A - Used on main gear only.
 B - Used on nose gear only.
 C - Used on airplanes 23-1 to 23-526 inclusive if drag link assembly incorporates down lock latch of riveted steel plate construction.
 D - Not available. Strut for serial nos. 23-1646 and up will be supplied as a substitute.
 E - Used on strut assembly 19273-00.
 F - Used on strut assembly 19273-02.
 G - Used on strut assembly 19272-00.
 H - Used on strut assembly 19272-02.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
38-21	753 226	ADJ	YOKE, PISTON AND AXLE ASSEMBLY - (PAC 32165-00)	1	
	753 227	AE	YOKE, PISTON AND AXLE ASSEMBLY - (PAC 31824-02)	1	
	751 761	BFJ	FORK AND PISTON ASSEMBLY - (PAC 32025-02)	1	
	751 777	BG	FORK AND PISTON ASSEMBLY - (PAC 31793-00)	1	
-21a	752 935	DF	SPACER - (PAC 32024-00)	1	
-22	752 769	DF	ROD - Piston (PAC 31999-00)	1	
	752 770	EG	ROD - Piston (PAC 31790-00)	1	
-23	752 730	DFH	PLUG - (PAC 32222-00)	1	
	752 765		PLUG - (PAC 31791-00)	1	
-24	751 367		BUSHING - (PAC 31785-00)	2	
-25	752 720	G	PACKING - "O" Ring (AN6227-25) (484 695)	1	
-26	751 233	A	AXLE ASSEMBLY - Main gear (PAC 31804-00) (with shoulder at unthreaded end)	1	
	31804-00	A	AXLE ASSEMBLY - Main gear (PAC 31804-04) (without shoulder at unthreaded end)	1	
-27	752 486	A	NUT - Wheel retaining (AN7502-24) (477 679)	1	
-28	402 329	A	BOLT - (AN174-32A)	1	
-29	402 331	A	BOLT - (AN174-34A)	1	
-30	407 585	A	WASHER - (AN960-416L)	3	
-31	751 413	BK	BOLT - (AN174-25A)	1	
	402 325	BL	BOLT - (AN174-27A)	1	
-32	407 585	B	WASHER - (AN960-416L)	1	
-33	404 836		NUT - Self-locking (MS20364-428C)	3	
-34	752 814	B	RING - Retaining (NAS50-131) (484 756)	1	
-35	187 625	C	STRIP - Wiper (10V70)	7-1/8"	
-36	752 815		RING - Retaining (NAS50-262) (484 757)	1	
-37	752 722		GASKET - "O" Ring (AN6230-6) (462 035)	1	
-38	401 310	B	BOLT - (AN4-10A)	2	
-39	752 713		PACKING - "O" Ring (AN6227-15) (484 712)	1	
-40	751 370		BOLT - (AN174-13) (402 313)	1	
-41	751 371		BOLT - (AN175-32) (402 344)	2	
-42	404 101		NUT - Castle (AN310-4)	1	
-43	404 102		NUT - Castle (AN310-5)	2	
-44	752 721		PACKING - "O" Ring (AN6227-31)	1	
-45	404 888	B	NUT - Self-locking (AN365-428C)	2	
-46	424 052		PIN - Cotter (AN380-2-3)	3	
-47	424 071	A	PIN - Cotter (AN380-4-8) (752 701)	1	

- A - Used on main gear only.
- B - Used on nose gear only.
- C - Sold in one foot length.
- D - Used on strut assembly 19272-00.
- E - Used on strut assembly 19272-02.
- F - Used on strut assembly 19273-00.
- G - Used on strut assembly 19273-02.
- H - Not a component part of 753 226 or 751 761.
- J - Plug #23, Part No. 752 730, is not a component part of this assembly; order separately.
- K - Used if Nose Gear Fork is marked with Piper No. 31792.
- L - Used if Nose Gear Fork is marked with Piper No. 31792-2.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
38-48	455 124		CORE - (AN809-1)	1	
-49	453 124		BODY - Valve, air (AN812-1)	1	
-50	454 053		CAP - Valve, air (AN813-1B)	1	
-51	751 834		GASKET - Valve, air (AN901-5A) (462 024)	1	
-52	460 691	B	FITTING - Lubricator (AN944-101)	3	
-53	460 690	B	FITTING - Lubricator (AN944-201A)	3	
-54	460 691	A	FITTING - Lubricator (AN944-101)	4	
-55	460 801	AD	FITTING - Lubricator (MS15001-4)	2	
	752 311	AE	FITTING - Lubricator (MS15001-4) (460 801)	2	
-56	407 565	B	WASHER - (AN960-416)	10	
-57	407 585	BF	WASHER - (AN960-416L)	1	
	407 585	BG	WASHER - (AN960-416L)	2	
-58	407 565	A	WASHER - (AN960-416)	2	
-59	407 585	A	WASHER - (AN960-416L)	2	
-60	407 566		WASHER - (AN960-516)	4	
-61	752 906	AC	SPACER - Axle (PAC 32186-00)	1	
	81342-97	AH	SPACER - Axle	1	
-62	752 932	A	SPACER	1	
-63	752 939	AH	SPACER - Axle, inboard (A-60-193)	1	
	86062-84	AH	SPACER - Axle	1	
-64	31789-00	J	PLACARD - Oleo service instructions (581 124)	1	
-65	752 731	B	PLUG - Nose gear (PAC 31798-00)	2	
-66	31786-00	BK	SPACER - Wheel	2	
	31786-02	BL	SPACER - Wheel	2	
-67	751 372	B	BOLT - (AN6-71) (400 245)	1	
-68	752 482	B	NUT - Self-locking (AN364-624C) (404 838)	1	
-69	31797-00	B	AXLE - Nose gear strut	1	

- A - Used on main gear only.
- B - Used on nose gear only.
- C - Used when B.F. Goodrich wheels are installed.
- D - Used on strut assembly 19272-00.
- E - Used on strut assembly 19272-02.
- F - Used on strut assembly 19273-00.
- G - Used on strut assembly 19273-02.
- H - Used when Cleveland wheels are installed.
- J - Used on Piper strut assembly only.
- K - Used with Model No. 38501 Nose Wheel Assembly.
- L - Used with Model No. 40-76B Nose Wheel Assembly.

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

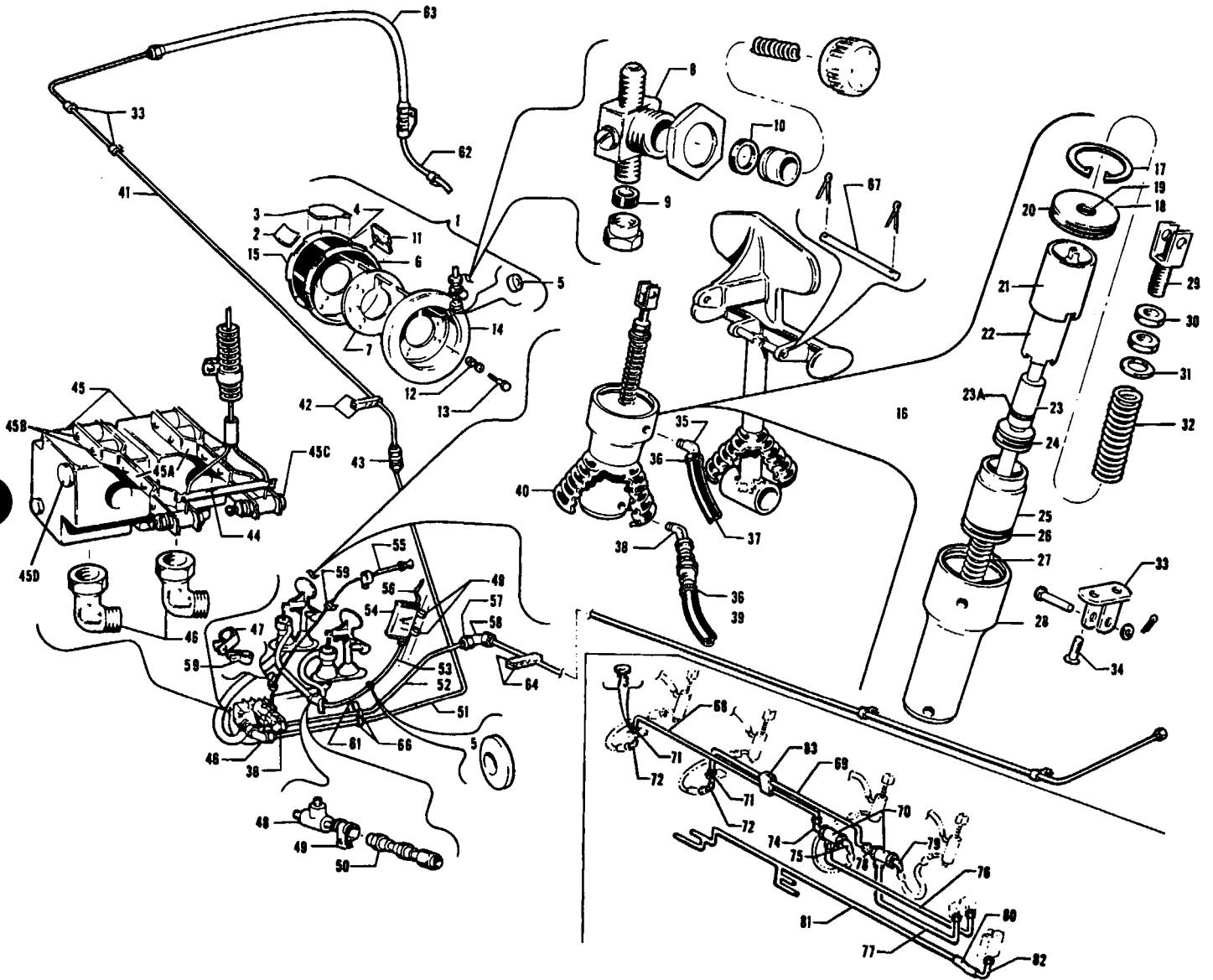


Figure 39. Brake Installation



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
39-	17301 17774 23-7137	D	DRAWING - Cockpit Controls Installation DRAWING - Hydraulic System Installation DRAWING - Dual Brake Installation		
-1	451 713	A	BRAKE ASSEMBLY - Right main wheel (G-2-622L)	1	
	451 712	A	BRAKE ASSEMBLY - Left main wheel (G-2-622L)	1	
-2	752 902		SPRING - Brake block retracting (B-21-169)	6	
-3	751 356		BLOCK - Brake (B-27-300)	6	
-4	751 690		TUBE ASSEMBLY - Right wheel brake expander (D-22-193)	1	
	751 689		TUBE ASSEMBLY - Left wheel brake expander (D-22-193)	1	
-5	750 016		PACKING - Brake expander tube nozzle (A-64-3)	1	
-6	751 357		FRAME - Brake assembly outer (D-12-415)	1	
-7	752 903		SPACER - Brake assembly (A-60-192)	1	
-8	752 990		VALVE ASSEMBLY - Brake inlet connection (B-107-82)	1	
-9	750 016		PACKING - (A-64-3)	1	
-10	484 701		PACKING - "O" Ring (AN6227-7)	1	
-11	752 901		SHIELD - Brake expander tube (A-72-123)	6	
-12	752 477		NUT - Brake assembly (AN365-1032)	6	
-13	752 904		SCREW - Brake assembly (AN501-1012)	6	
-14	751 758		FAIRING ASSEMBLY - Brake assembly (D-7-1391)	1	
-15	751 355		FRAME - Brake assembly inner (D-12-416)	1	
-16	17572-00	B	CYLINDER ASSEMBLY - Master brake (1 3/8" diameter)	2	
	19177-00	C	CYLINDER ASSEMBLY - Master brake (1 1/8" diameter)	2	
	19177-00	CD	CYLINDER ASSEMBLY - Master brake (1 1/8" diameter)	4	
-17	484 704	B	RING - Retainer	1	
	484 709	C	RING - Retainer	1	
-18	12604-02	B	CAP - Brake cylinder	1	
	19171-00	C	CAP - Brake cylinder	1	
-19	484 701		PACKING - "O" Ring (AN6227-7)	1	
-20	484 703	B	PACKING - "O" Ring (AN6227-21)	1	
	484 706	C	PACKING - "O" Ring (AN6227-11)	1	
-21	14155-00	B	SPACER - Brake cylinder	1	
-22	12607-00		BUSHING - Brake cylinder release	1	
-23	14154-00	B	PLUNGER ASSEMBLY - Brake cylinder	1	
	19174-00	C	PLUNGER ASSEMBLY - Brake cylinder	1	
-23a	484 700		PACKING - "O" Ring (AN6227-5)	1	
-24	484 706	B	PACKING - "O" Ring (AN6227-11)	1	
	484 697	C	PACKING - "O" Ring (AN6227-9)	1	
-25	14156-00	B	BEARING - Brake cylinder piston	1	
-26	484 702	B	PACKING - "O" Ring (AN6227-16)	1	
-27	83302-14		SPRING - Coil	1	
-28	14158-02	B	HOUSING - Brake cylinder	1	
	19168-00	C	HOUSING - Brake cylinder	1	
-29	12605-00		CLEVIS - Brake cylinder	1	

A - See Figure 40 for Cleveland Brake Assemblies.
 B - Used with Goodrich Brake Installation.
 C - Used with Cleveland Brake Installation.
 D - Used on PA-23-160 with serial nos. 23-1977, 23-1981, 23-1984 to 23-1987 and 23-2044 to 23-2046.

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

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
39-30	404 225		NUT - (AN315-4R)	2	
-31	85012-10		WASHER	1	
-32	83302-19		SPRING - Coil	1	
-33	17570-00	A	LUG ASSEMBLY - Brake cylinder	1	
-34	416 785	A	SCREW - Phillips head machine (#10-32 x 1/2 L)	2	
-35	458 940	E	ELBOW - (AN844-4D)	2	
	458 940	F	ELBOW - (AN844-4D) Left outboard and right outboard	2	
	451 857	F	ADAPTER - (AN840-4D) Left inboard and right inboard	2	
-36	454 924		CLAMP - Tinnerman (A3122-10-1)	4	
-37	82371-49		HOSE - Brake cylinder upper	2	
-38	458 891	E	ELBOW - (AN823-4D)	3	
	458 891	F	ELBOW - (AN823-4D)	4	
-39	17766-04	E	HOSE - Brake cylinder, lower	2	
	17766-04	F	HOSE - Brake cylinder, lower	4	
-40	17473-02	AE	BOOT - Brake cylinder	2	
	17473-00	BE	BOOT - Brake cylinder	2	
	17473-00	BF	BOOT - Brake cylinder	4	
-41	17716-00		LINE ASSEMBLY - Right wheel brake, outer	1	
-42	17712-00		BLOCK - Tube retainer	2	
-43	491 050		UNION - (AN815-4D)	1	
-44	18325-00		BAR - Brake control cable separator	1	
-45	67522-02		VALVE - Brake, parking	2	
-45a	74445-02		LEVER ASSEMBLY - Valve	2	
-45b	420 207		RIVET - (AN470AD3-10)	4	
	406 385		NUT - (C1553-012)	4	
-45c	515 709		SCREW - (MS35206-230)	2	
	404 594		NUT - (MS20341-65)	2	
-45d	400 449		BOLT - (AN3-24A)	2	
	407 564		WASHER - (AN960-10)	2	
	404 887		NUT - (MS20365-1032C)	2	
-46	458 894		ELBOW - (AN822-4D)	3	
-47	80032-52		CLAMP	1	
-48	14817-00		TEE- Brake	1	
-49	454 886		CLAMP - Tinnerman (A4886S-10-24)	3	
-50	455 156		CONNECTOR - (W/H 5887-4)	1	
-51	17698-00		LINE ASSEMBLY - Right wheel brake, inner	1	
-52	17699-00		LINE ASSEMBLY - Left wheel brake, inner	1	23-1 to 23-1870 inclusive
	17699-03		LINE ASSEMBLY - Left wheel brake, inner	1	23-1871 and up
-53	18289-00		LINE ASSEMBLY - Brake cylinder reservoir outlet	1	
-54	18290-00		RESERVOIR ASSEMBLY - Brake cylinder	1	
-55	17912-00		CABLE ASSEMBLY - Parking brake control	1	
-56	90797-27		SLEEVE - Reservoir vent	1	
-57	477 618		NUT - (AN924-4D)	1	
-58	458 900		ELBOW - (AN833-4D)	1	
-59	454 887		CLAMP - Tinnerman (A4886S-3-1)	2	
-60	17707-00		LINE ASSEMBLY - Left wheel brake, outer	1	23-1 to 23-1870 inclusive
	19754-00		LINE ASSEMBLY - Left wheel brake, outer	1	23-1871 and up
-61	454 942		CLAMP - Tinnerman (A2980S-16-1)	1	

A - Used with Goodrich Brake Installation.
 B - Used with Cleveland Brake Installation.
 C - Used when Hoof valves are installed.
 D - Used when Scott valves are installed.
 E - Used on PA-23-150, PA-23-160 with serial nos. 23-1 to 23-1976, 23-1978 to 23-1980, 23-1982, 23-1983 and 23-1988 to 23-2043.
 F - Used on PA-23-160 with serial nos. 23-1977, 23-1981, 23-1984 to 23-1987 and 23-2044 to 23-2046.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
39-62	17687-00	A	LINE ASSEMBLY - Landing gear brake, lower	2	
	19204-00	B	LINE ASSEMBLY - Landing gear brake, left	1	
	19204-01	B	LINE ASSEMBLY - Landing gear brake, right	1	
-63	17766-34		HOSE ASSEMBLY - Brake	2	
-64	17709-00		BLOCK - Tube retainer	2	
-65	434 128		GROMMET - (AN931-4-7)	1	
-66	454 929		CLAMP - Tinnerman (A4980S-4-91)	6	
-67	17272-00	C	PIN - Brake pedal attachment	2	
	17272-00	D	PIN - Brake pedal attachment	4	
-68	23-7139	D	TUBE ASSEMBLY - Right brake, interconnecting	1	
-69	23-7138	D	TUBE ASSEMBLY - Left brake, interconnecting	1	
-70	23-7137-10	D	VALVE - Brake shuttle	2	
-71	477 618	D	NUT - (AN924-4D) Hose to right tube assemblies	2	
-72	458 910	D	ELBOW - (AN837-4D) Hose to right tube assemblies	2	
-73	407 568	D	WASHER - (AN960-716) Hose to right tube assemblies	2	
-74	458 894	D	ELBOW - (AN822-4D) Inboard right shuttle valve	1	
-75	458 891	D	ELBOW - (AN823-4D) Outboard right shuttle valve	1	
-76	23-7150	D	TUBE ASSEMBLY - Right shuttle valve to brake valve	1	
-77	23-7151	D	TUBE ASSEMBLY - Left shuttle valve to brake valve	1	
-78	476 648	D	UNION - (AN816-4D) Inboard left shuttle valve	1	
-79	458 891	D	ELBOW - (AN823-4D) Outboard left shuttle valve	1	
-80	82371-06	D	HOSE - Brake reservoir to line	1	
-81	23-7135	D	LINE ASSEMBLY - Reservoir to brake cylinder	1	
-82	23-7133	D	LINE ASSEMBLY - Brake reservoir outlet	1	
-83	23-7137-9	D	BLOCK - Micarta	2	

A - Used with Goodrich Brake Installation.
 B - Used with Cleveland Brake Installation.
 C - Used on PA-23-150, PA-23-160 with serial nos. 23-1 to 23-1976, 23-1978 to 23-1980, 23-1982, 23-1983 and 23-1988 to 23-2043.
 D - Used on PA-23-160 with serial nos. 23-1977, 23-1981, 23-1984 to 23-1987 and 23-2044 to 23-2046.

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

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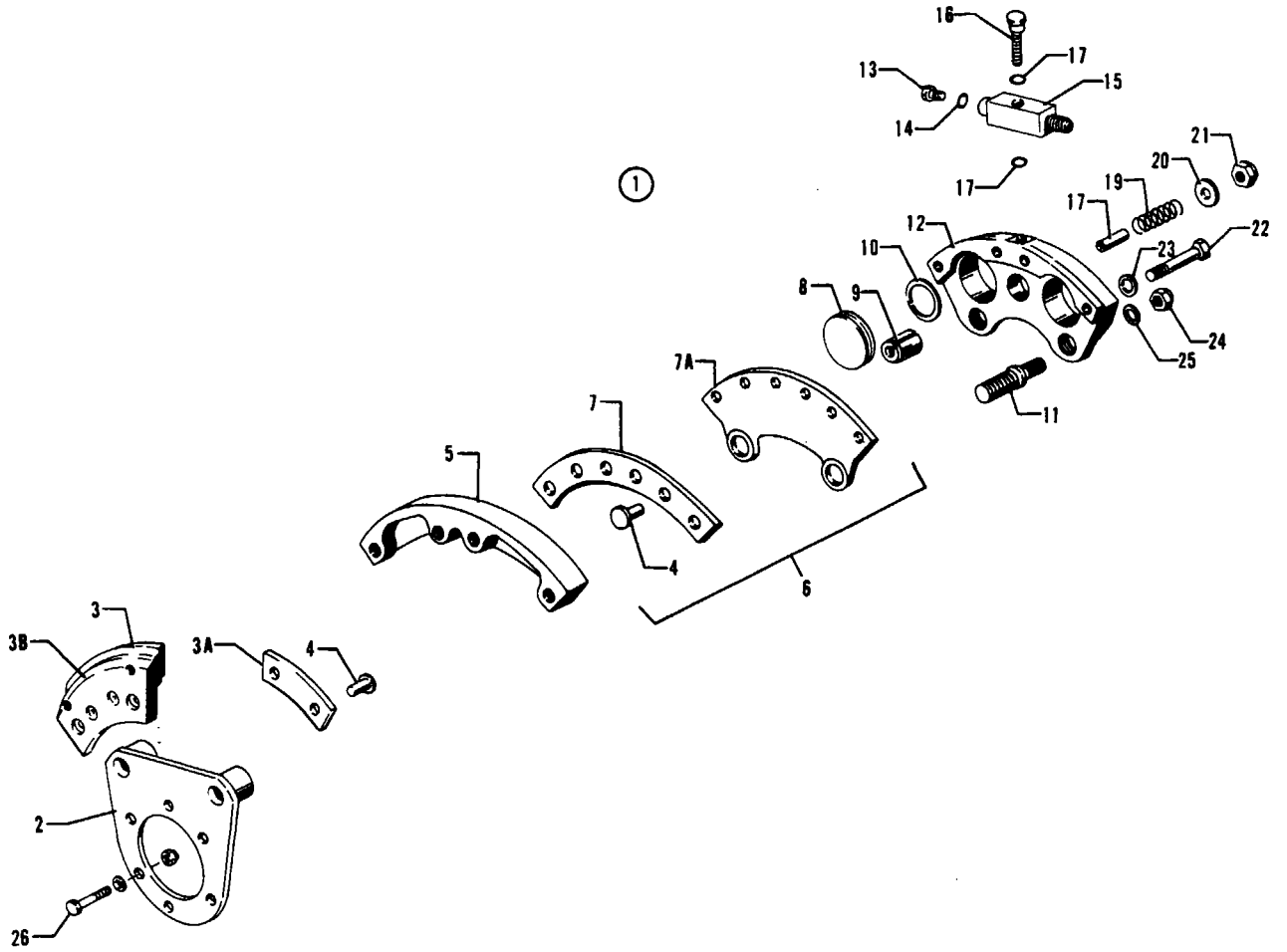


Figure 40. PA-23 Cleveland Brake Assembly



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
40-1	451 714		BRAKE ASSEMBLY - Left, Cleveland (3000-500L)	1	
	451 715		BRAKE ASSEMBLY - Right, Cleveland (3000-500R)	1	
-2	752 748		PLATE - Brake, torque (3014-500)	1	
-3	752 768		PLATE - Back (74-2)	2	
-3a	752 308		LINING - Back plate (3006)	1	
-3b	752 749	B	PLATE - Back (3012)	1	
	752 755	C	PLATE - Back (3012A)	1	
-4	752 826		RIVET - Brake lining (561)	12	
-5	752 943	A	SPACER - Back plate (3003) (1/2")	1	
	752 949	A	SPACER - Back plate (3003A) (1/8")	4	
-6	752 750		PLATE ASSEMBLY - Pressure (3011)	1	
-7	752 309		LINING - Pressure plate (3007)	1	
-7a	752 767		PLATE ASSEMBLY - Pressure (184-1)	1	
-8	752 751		PISTON - Cylinder (3002)	2	
-9	751 507		CYLINDER - Retract (3004)	1	
-10	752 752		PACKING - "O" Ring (AN6227B-23)	2	
-11	751 402		BOLT - Anchor (3013)	2	
-12	751 508		CYLINDER - Brake (3001)	1	
-13	752 944		SCREW - Bleeder (3009)	1	
-14	752 735		PACKING - "O" Ring (AN6227B-3) (484 707)	1	
-15	751 403		BODY - Bleeder (3008)	1	
-16	751 404		BOLT - Bleeder body (3010)	1	
-17	484 708		PACKING - "O" Ring (AN6227B-6)	2	
-18	752 945		SLEEVE - Retract (3005)	1	
-19	752 946		SPRING - Retract (M100)	1	
-20	753 148		WASHER - Retract (3016)	1	
-21	404 887		NUT - Retract spring (AN365-1032)	1	
-22	751 411		BOLT - Through (AN4H-17A)	4	
-23	407 585		WASHER - (AN960-416L)	4	
-24	404 838		NUT - Anchor bolt (AN364-624)	2	
-25	407 587		WASHER - Anchor bolt (AN960-616L)	2	
-26	401 329		BOLT - (AN4-31A)	6	
	407 565		WASHER - (AN960-416)	6	
	404 888		NUT - (AN365-428)	6	

A - Check thickness of spacer plate before ordering.
 B - Used with 1/2" spacer plate.
 C - Used with 1/8" spacer plate.

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

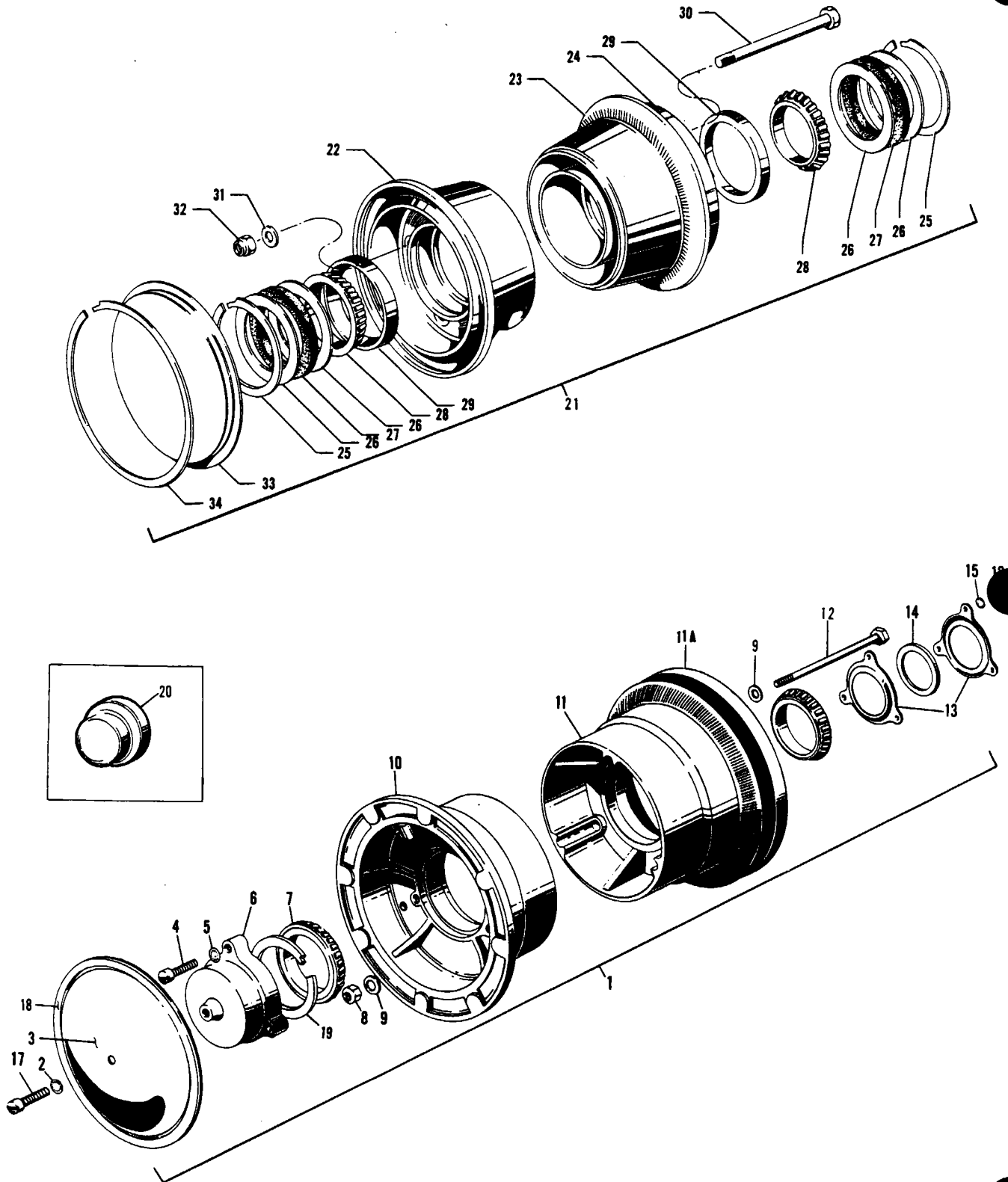


Figure 41. Main Wheel Assembly



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
41-1	451 767		WHEEL ASSEMBLY - Main, Cleveland (3080A)	2	
-2	407 135	A	LOCK WASHER - (AN936-A10)	1	
-3	751 491	A	SHIELD - Dust (38550)	1	
	752 948	B	SHIELD - Dust (3024)	1	
-4		A	SCREW - Hub cap (AN500-10-10)	3	
-5	407 135	A	LOCK WASHER - (AN936-A10)	3	
-6	751 509	A	CAP - Hub (38520)	1	
-7	751 489		BEARING - Cone, Timken (13889)	2	
-8	404 889	A	NUT - Wheel bolt (AN365-524)	3	
	404 888	B	NUT - Wheel bolt (AN365-428)	6	
-9	407 586	A	WASHER - Wheel bolt (AN960-516L)	6	
	407 565	B	WASHER - Wheel bolt (AN960-416)	12	
-10	753 149	A	WHEEL - Half, outer (3061)	1	
	753 156	B	WHEEL - Half, outer (3081)	1	
-11	753 150	A	WHEEL - Half, inner (3063) (with brake disc)	1	
	753 155	B	WHEEL - Half, inner (3083) (with brake disc)	1	
-11a	751 671	AB	DRUM - Brake (3015-5002)	1	
-12	751 405	A	BOLT - Main wheel (AN5-35A)	3	
	401 310	B	BOLT - Main wheel (AN4-10A)	6	
-13	752 827	A	RING - Grease seal (39094)	2	
	752 829	B	RING - Grease seal (3022)	2	
-14	751 771	A	FELT - Grease seal (39091)	1	
	751 772	B	FELT - Grease seal (3021)	1	
-15	407 134	A	LOCK WASHER - Grease seal (AN936-A8)	3	
-16		A	SCREW - Grease seal (AN500-8-6)	3	
-17		A	SCREW - Dust shield (AN500-10-8)	1	
-18	752 831	B	RING - Snap dust shield (3025)	1	
-19	752 830	B	RING - Snap grease seal (3023)	2	
-20	751 511	B	CAP - Hub (3026)	1	
-21	753 151		WHEEL ASSEMBLY - Goodrich, main (G-3-880) (600 x 6)	2	
-22	753 142	C	WHEEL - Outer half (D10-490-MD)	1	
	753 152	D	WHEEL - Outer half (10-786)	1	
-23	753 141	C	WHEEL - Inner half (D-10-539-MD)	1	
	753 153	D	WHEEL - Inner half (10-787)	1	
-24	751 654	C	DRUM - Brake (D13-311)	1	
	751 669	D	DRUM - Brake (D13-332)	1	
-25	752 819		RING - Lock (A85-113)	2	
-26	752 818		RETAINER - Grease felt (A56-162)	4	
-27	751 762		FELT - Grease retainer (E50024-146)	2	
-28	751 489		CONE - Inner and outer (13889)	2	
-29	751 503		CUP - Inner and outer (13830)	2	
-30	751 352	C	BOLT - Brake drum (A43-368)	6	
	751 407	D	BOLT - Brake drum (AN4-35A)	6	
-31	407 564	C	WASHER - Brake drum (AN960-10)	4	
	407 585	D	WASHER - Brake drum (AN960-416L)	6	
-32	752 477	C	NUT - Brake drum (AN365-1032)	6	
	752 485	D	NUT - Brake drum (B-36-193)	6	
-33	751 763		FAIRING - Dust cover (B-31-13)	1	
-34	752 820		RING - Fairing lock (B85-54)	1	

A - Used on Cleveland Main Wheel Assembly (3060).
 B - Used on Cleveland Main Wheel Assembly (3080A).
 C - Used on Goodrich Main Wheel Assembly (G-3-787).
 D - Used on Goodrich Main Wheel Assembly (G-3-880).

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

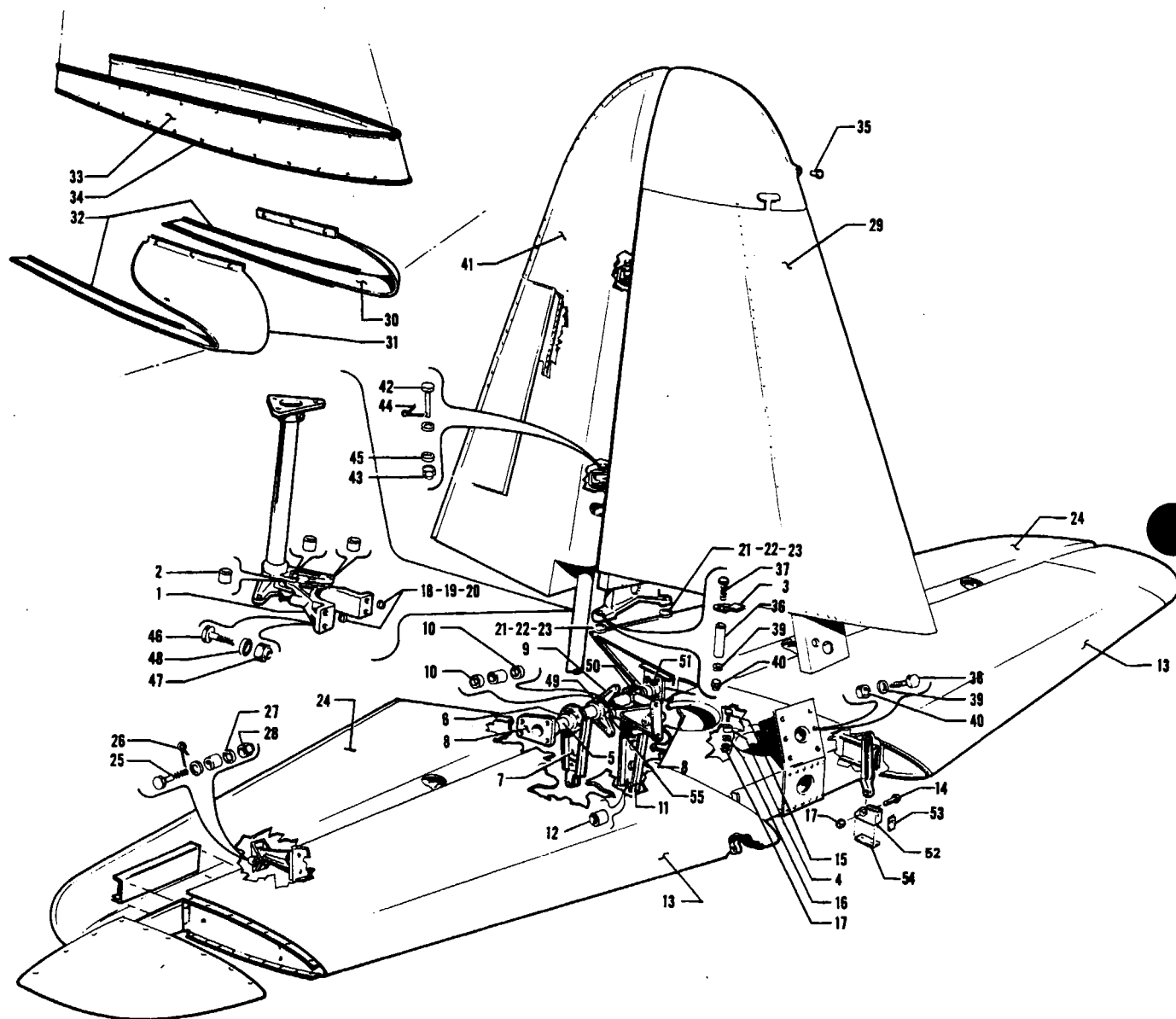


Figure 42. Tail Surfaces Installation



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
42-	17460		DRAWING - Tail Surfaces Installation		
-1	17289-00		BRACKET ASSEMBLY - Rudder lower hinge	1	
-2	452 347		BEARING - Needle (B-47)	1	
-3	17914-00		BRACKET - Fuselage tail fairing attachment	2	
-4	17424-00		BLOCK - Stabilizer spacer	2	
-5	17179-05	B	TUBE ASSEMBLY - Elevator torque	1	23-129 to 23-640 inclusive
	17179-06	B	TUBE ASSEMBLY - Elevator torque	1	23-1 to 23-128 inclusive
	17179-07		TUBE ASSEMBLY - Elevator torque	1	23-641 and up
-6	17179-02		TUBE - Elevator torque	1	
-7	18126-00		HORN ASSEMBLY - Elevator bungee	1	
-8	19407-00		BRACKET - Elevator torque tube	2	
-9	19404-00		HORN ASSEMBLY - Elevator	1	
-10	82732-99		BEARING	2	
-11	17178-00	C	HORN ASSEMBLY - Elevator	1	23-129 to 23-640 inclusive
	17178-05	C	HORN ASSEMBLY - Elevator	1	23-1 to 23-128 inclusive
	17178-06		HORN ASSEMBLY - Elevator	1	23-641 and up
-12	80012-80	D	BUSHING	1	23-1 to 23-128 inclusive
	14175-91	D	BUSHING	1	23-129 to 23-640 inclusive
	80022-88		BUSHING	1	23-641 and up
-13	17050-00	A	STABILIZER ASSEMBLY - Horizontal	1	23-1 to 23-1151 inclusive
	17050-19	A	STABILIZER ASSEMBLY - Horizontal	1	23-1152 and up
-14	401 312		BOLT - (AN4-12A)	2	
-15	401 310		BOLT - (AN4-10A)	2	23-1 to 23-1151 inclusive
	401 345		BOLT - (AN4-52A)	2	23-1152 and up
-16	81102-21		WASHER - Shim (.064)	2	
	81102-22		WASHER - Shim (.032)	AR	
-17	406 682		NUT - (#42E048)	4	
-18	81342-77		WASHER - Shim (.003)	AR	
-19	81342-78		WASHER - Shim (.005)	AR	
-20	81342-79		WASHER - Shim (.010)	AR	
-21	80122-75		WASHER - Shim (.003)	AR	
-22	80122-76		WASHER - Shim (.005)	AR	
-23	80122-77		WASHER - Shim (.010)	AR	
-24	19446-00	EF	ELEVATOR ASSEMBLY	2	
-25	402 315		BOLT - (AN174-15)	4	
-26	424 051		PIN - Cotter (AN380-2-2)	4	
-27	407 565		WASHER - (AN960-416)	4	
-28	404 101		NUT - (AN310-4)	4	
-29	17067-00	G	FIN ASSEMBLY	1	

A - See Figure 43 for component parts.
 B - If service Kit 754 162 has been installed, use 17179-07 as replacement.
 C - If service Kit 754 162 has been installed, use 17178-06 as replacement.
 D - If service Kit 754 162 has been installed, use 80022-88 as replacement.
 E - See Figure 44 for component parts.
 F - When installing this part on airplanes 23-1 to 23-920 inclusive, use AN174-15 bolts for hinge pins.
 G - See Figure 42A for component parts.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
42-30	18023-00		FAIRING ASSEMBLY - Stabilizer, left	1	
-31	18023-01		FAIRING ASSEMBLY - Stabilizer, right	1	
-32	19795-00		EXTRUSION - Rubber	5'	
-33	18024-00		FAIRING ASSEMBLY - Rudder	1	
-34	19795-00		EXTRUSION - Rubber	8'	
-35	17962-00		PLUG - Button	1	
-36	14843-43		SPACER - Stabilizer attachment	2	23-1152 and up
-37	401 310		BOLT - (AN4-10A)	2	
-38	400 002		BOLT - (AN4-5A)	6	
-39	407 565		WASHER - (AN960-416)	8	
-40	406 682		NUT - (#42E048)	8	
-41	17068-37	AB	RUDDER ASSEMBLY	1	
-42	402 315		BOLT - (AN174-15)	2	
-43	404 101		NUT - (AN310-4)	2	
-44	424 051		PIN - Cotter (AN380-2-2)	2	
-45	407 565		WASHER - (AN960-416)	2	
-46	400 440		BOLT - (AN3-6A)	4	
-47	404 887		NUT - (MS20365-1032C)	4	
-48	407 564		WASHER - (AN960-10)	4	
-49	402 341		BOLT - Elevator horn (AN175-20A)	2	
	406 683		NUT - Elevator horn (#42E054)	2	
	407 566		WASHER - Elevator horn (AN960-516)	4	
-50	402 340		BOLT - Elevator bungee horn (AN175-17A)	4	
	406 683		NUT - Elevator bungee horn (#42E054)	4	
-51	402 320		BOLT - Torque tube bracket (AN174-21A)	4	
	406 682		NUT - Torque tube bracket (#42E048)	4	
	407 565		WASHER - Torque tube bracket (AN960-416)	4	
-52	17093-03		FITTING ASSEMBLY - Stabilizer front attachment	2	
-53	19119-02		SHIM - (.064) Forward	AR	
	19119-03		SHIM - (.032) Forward	AR	
-54	18564-02		SHIM - (.016) Bottom	AR	
	18564-03		SHIM - (.032) Bottom	AR	
	18564-04		SHIM - (.064) Bottom	AR	
-55	424 216		PIN - (AN394-39)	1	
	407 565		WASHER - (AN960-416)	2	
	424 051		PIN - Cotter (MS24665-132)	1	

A - When installing this part on airplanes 23-1 to 23-920 inclusive, use AN174-15 bolts for hinge pins.
 B - See Figure 45 for component parts.

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

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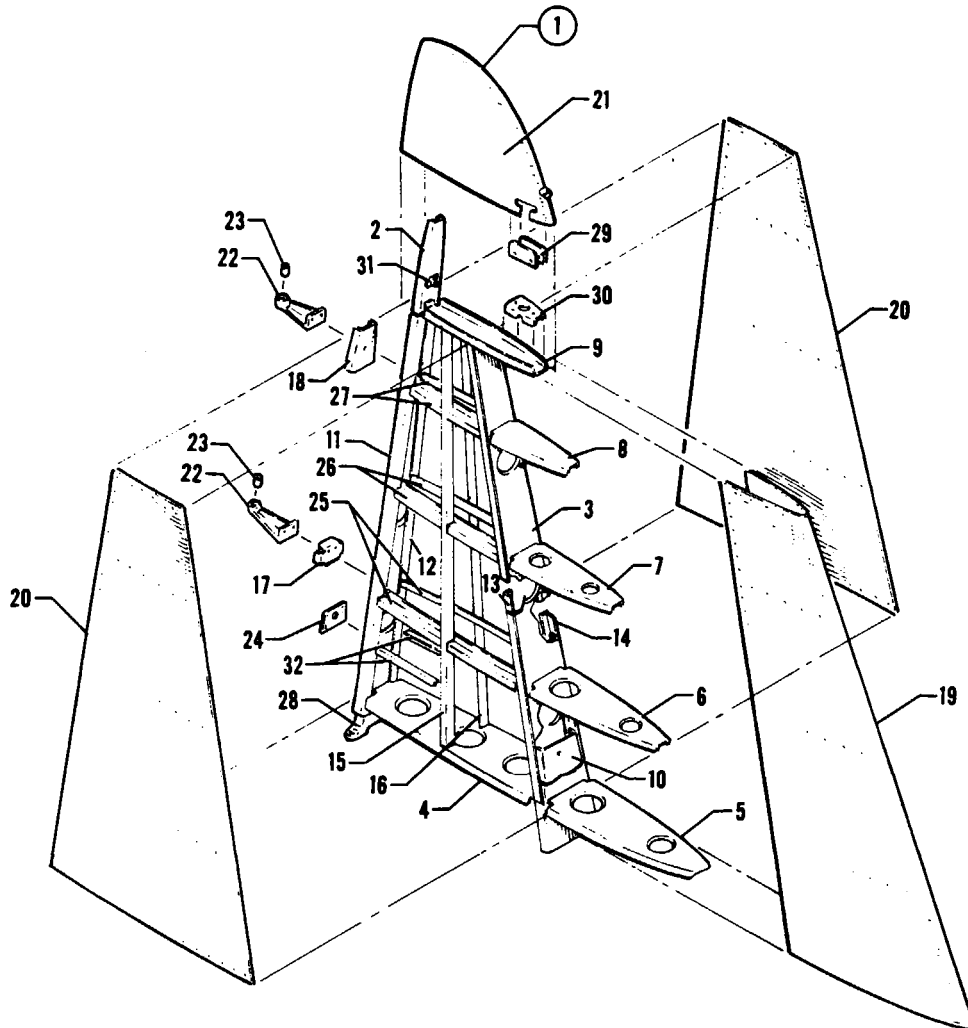


Figure 42A. Fin Assembly

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
42A-1	17067-00		FIN ASSEMBLY	1	
-2	17067-02		SPAR - Rear	1	
-3	17067-03		SPAR - Front	1	
-4	17067-04		RIB - Rear spar	1	
-5	17067-05		RIB - Front spar	1	
-6	17067-06		RIB - Front spar	1	
-7	17067-07		RIB - Front spar	1	
-8	17067-08		RIB - Front spar	1	
-9	17067-09		RIB - Front spar	1	
-10	17067-10		BRACKET - Reinforcement	1	
-11	17067-11		ANGLE - Spar, rear, right	1	
-12	17067-12		ANGLE - Spar, rear, left	1	
-13	17067-13		ANGLE - Spar, front, right	1	
-14	17067-14		ANGLE - Spar, front, left	1	
-15	17067-15		STRINGER - Right	1	
-16	17067-16		STRINGER - Left	1	
-17	17067-17		PLATE - Reinforcement	1	
-18	28540-02		BRACKET - Reinforcement	1	
-19	17067-19		SKIN - Nose	1	
-20	17067-20		SKIN - Rear	2	
-21	17053-08		SKIN ASSEMBLY - Fin top	1	
	18701-00	A	SKIN ASSEMBLY - Fin top (rotating beacon)	1	
-22	17063-00		BRACKET ASSEMBLY - Rudder hinge bottom	1	
	17063-03		BRACKET ASSEMBLY - Rudder hinge top	1	
-23	452 347		BEARING - Needle (B-47)	1	
-24	17064-00		PLATE - Spar reinforcement	1	
-25	17071-02		FORMER - Fin bottom, left	1	
	17071-03		FORMER - Fin bottom, right	1	
-26	17071-04		FORMER - Fin center, left	1	
	17071-05		FORMER - Fin center, right	1	
-27	17071-06		FORMER - Fin top, left	1	
	17071-07		FORMER - Fin top, right	1	
-28	19406-00		BRACKET - Fin attachment	1	
-29	18484-00		PLATE - Antenna mounting hole, cover	2	
-30	17601-00		PLATE - Antenna attachment	1	
-31	18678-00		ANGLE ASSEMBLY - Spring attachment	1	
-32	17067-22		ANGLE - Spar skin, rear	2	

A - Not part of Fin Assembly 17067-00; order separately.

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

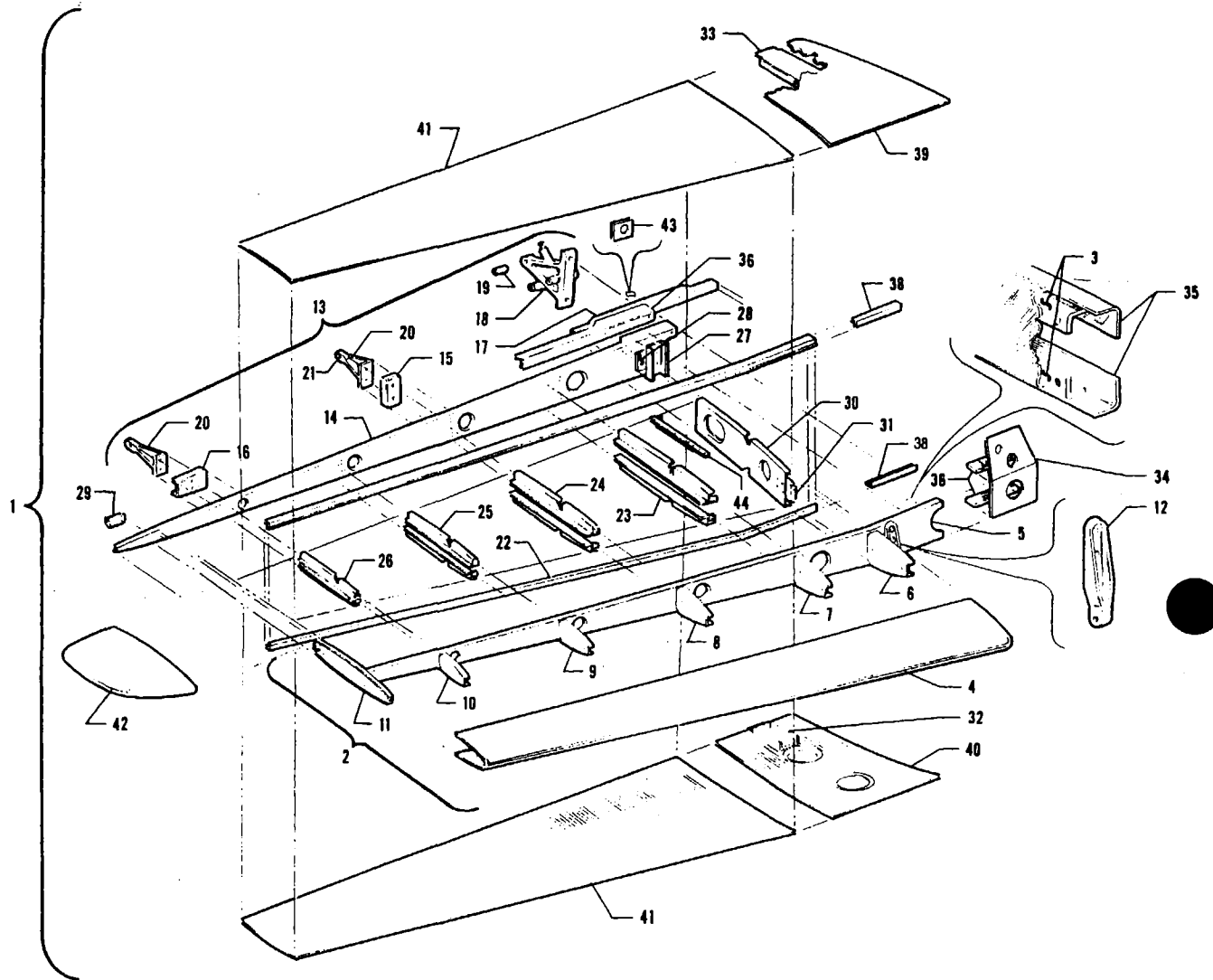


Figure 43. Stabilizer Assembly



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
43-1	17050-00		STABILIZER ASSEMBLY	1	23-1 to 23-1151 inclusive
	17050-19		STABILIZER ASSEMBLY	1	23-1152 and up
-2	17050-18		LEADING EDGE ASSEMBLY - Right hand	1	
-3	17050-02		ANGLE - Right hand, bottom	1	
	17050-03		ANGLE - Right hand, top	1	
-4	17050-12		LEADING EDGE SKIN	2	
-5	17031-00		SPAR - Stabilizer, front	1	
-6	17036-00		RIB	1	
-7	17037-00		RIB	1	
-8	17038-00		RIB	1	
-9	17039-00		RIB	1	
-10	17040-00		RIB	1	
-11	17041-00		RIB	1	
-12	19409-02	A	BRACKET	1	
	19409-03	B	BRACKET	1	
-13	17050-17		REAR SPAR ASSEMBLY	1	
-14	17034-00		REAR SPAR	2	
-15	17047-00		CHANNEL - Hinge bracket, inboard	2	
-16	18539-00		CHANNEL - Hinge bracket, outboard	2	23-1 to 23-63 inclusive
	17048-00		CHANNEL - Hinge bracket, outboard	2	23-64 and up
-17	17050-06		ANGLE	2	
-18	17051-00		BRACKET	1	
-19	452 347		BEARING - Needle (B-47)	1	
-20	17052-00		BRACKET	4	
-21	452 347		BEARING - Needle (B-47)	1	
-22	17050-10		ANGLE - Right hand, bottom	1	
	17050-16		ANGLE - Right hand, top	1	
	17050-10		ANGLE - Left hand, top	1	
	17050-16		ANGLE - Left hand, bottom	1	
-23	19685-00		FORMER ASSEMBLY - Right hand, top	1	
	19685-01		FORMER ASSEMBLY - Right hand, bottom	1	
	19685-00		FORMER ASSEMBLY - Left hand, bottom	1	
	19685-01		FORMER ASSEMBLY - Left hand, top	1	
-24	19686-00		FORMER ASSEMBLY - Right hand, top	1	
	19686-01		FORMER ASSEMBLY - Right hand, bottom	1	
	19686-00		FORMER ASSEMBLY - Left hand, bottom	1	
	19686-01		FORMER ASSEMBLY - Right hand, top	1	
-25	19687-00		FORMER ASSEMBLY - Right hand, top	1	
	19687-01		FORMER ASSEMBLY - Right hand, bottom	1	
	19687-00		FORMER ASSEMBLY - Left hand, bottom	1	
	19687-01		FORMER ASSEMBLY - Left hand, top	1	
-26	19688-00		FORMER ASSEMBLY - Right hand, top	1	
	19688-01		FORMER ASSEMBLY - Right hand, bottom	1	
	19688-00		FORMER ASSEMBLY - Left hand, bottom	1	
	19688-01		FORMER ASSEMBLY - Left hand, top	1	
-27	17044-02		CHANNEL	2	
-28	11473-79		PLATE	2	
-29	17270-00		PLATE	1	
-30	17042-00		RIB	2	

A - Used on stabilizer with serial nos. 23-1 to 23-1370 inclusive, 23-1391 to 23-1405.
 B - Used on stabilizer with serial nos. 23-1371 to 23-1390, 23-1406 and up.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
43-31	17043-00		BRACKET	2	
-32	17045-00		CHANNEL	1	
-33	17046-00		CHANNEL	1	
-34	17054-00		PLATE - Fin attachment	1	
-35	17050-04		ANGLE - Right hand, bottom	1	
	17050-05		ANGLE - Right hand, top	1	
	17050-04		ANGLE - Left hand, top	1	
	17050-05		ANGLE - Left hand, bottom	1	
-36	17050-07		REINFORCEMENT	2	
-37	17050-08		ANGLE - Right hand, bottom	1	
	17050-09		ANGLE - Right hand, top	1	
	17050-08		ANGLE - Left hand, top	1	
	17050-09		ANGLE - Left hand, bottom	1	
-38	17050-11		ANGLE - Left hand, bottom	2	
-39	17050-13		SKIN - Center, top	1	
-40	17050-14		SKIN - Center, bottom	1	
-41	17050-15		SKIN - Body	4	
-42	17053-02		SKIN - Tip	2	
-43	19410-00		SHIM	AR	
-44	19684-00		ANGLE ASSEMBLY - Reinforcement	2	
	19684-01		ANGLE ASSEMBLY - Reinforcement	2	

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

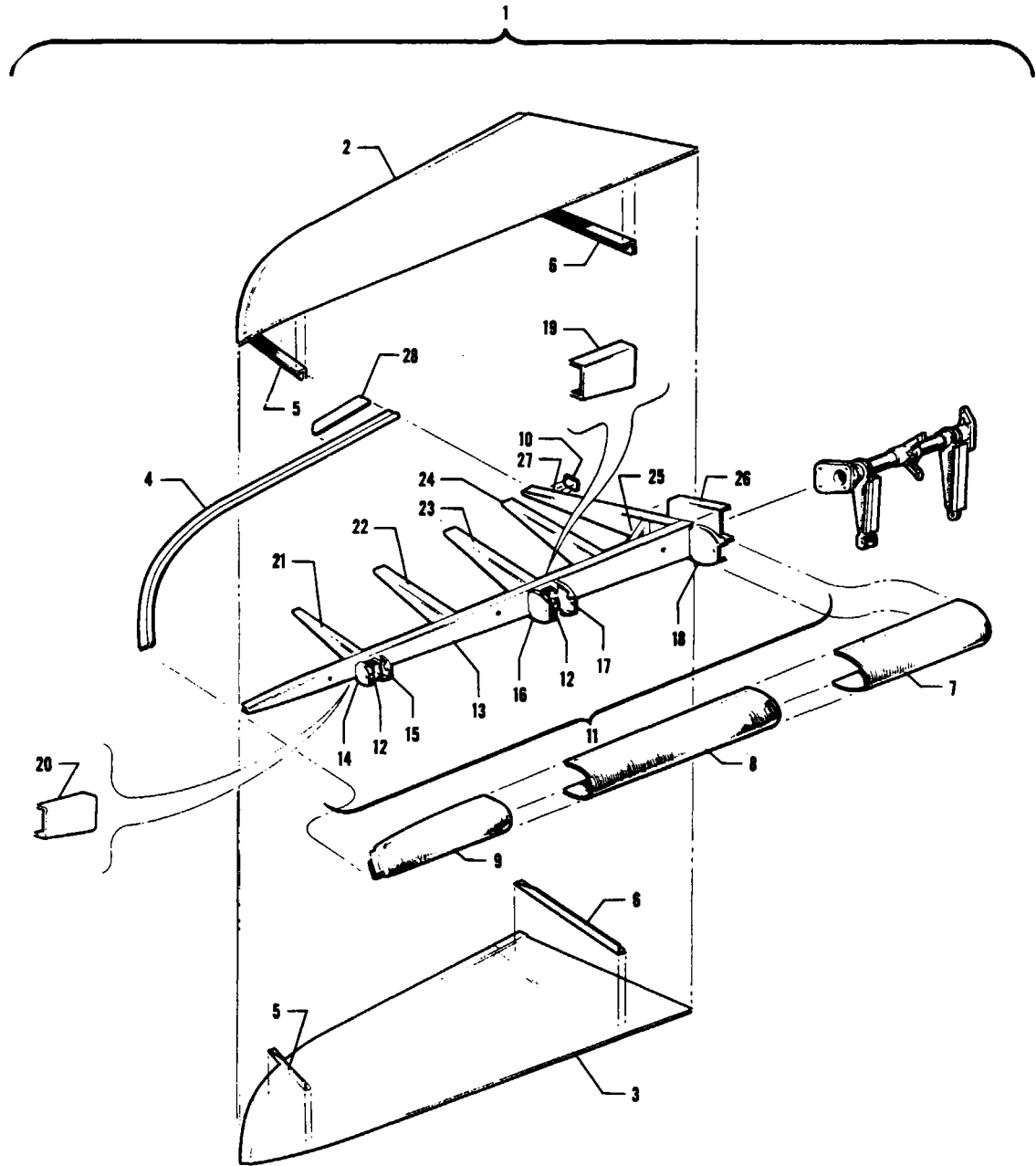


Figure 44. Elevator Assembly

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Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
44-1	19446-00	A	ELEVATOR ASSEMBLY	1	
-2	19446-06		SKIN ASSEMBLY - Left top, right bottom	1	
-3	19446-07		SKIN ASSEMBLY - Left bottom, right top	1	
-4	17058-04		STRIP	1	
-5	19792-00		RIB - Elevator	1	
-6	17058-08		ANGLE	2	
-7	17058-21		SKIN	1	
-8	17058-22		SKIN	1	
-9	17058-23		SKIN	1	
-10	17270-00		PLATE	1	
-11	19678-00		SPAR ASSEMBLY	1	
-12	17056-00	A	HINGE	2	
-13	17058-02		SPAR - Elevator	1	
-14	17058-13		RIB - Nose	1	
-15	17058-14		RIB - Nose	1	
-16	17058-15		RIB - Nose	1	
-17	17058-16		RIB - Nose	1	
-18	17058-17		RIB - Nose	1	
-19	17058-18		REINFORCEMENT	1	
-20	17058-19		REINFORCEMENT	1	
-21	19677-00		RIB	1	
-22	19676-00		RIB	1	
-23	19675-00		RIB	1	
-24	19674-00		RIB	1	
-25	19446-02		BRACE	1	
-26	17058-20	B	PLATE - Elevator butt rib reinforcement	1	
	19446-03		PLATE - Elevator butt rib reinforcement	1	
-27	17058-03		RIB - Elevator butt	1	
-28	19721-00		TAB - Elevator trim	1	23-1834 and up

A - When installing this part on airplanes 23-1 to 23-920 inclusive; use AN174-15 bolts for hinge pins.
 B - Refer to serial number plate on elevator butt rib. Use reinforcement parts 19446-03 if 19446-00 elevator is installed.

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

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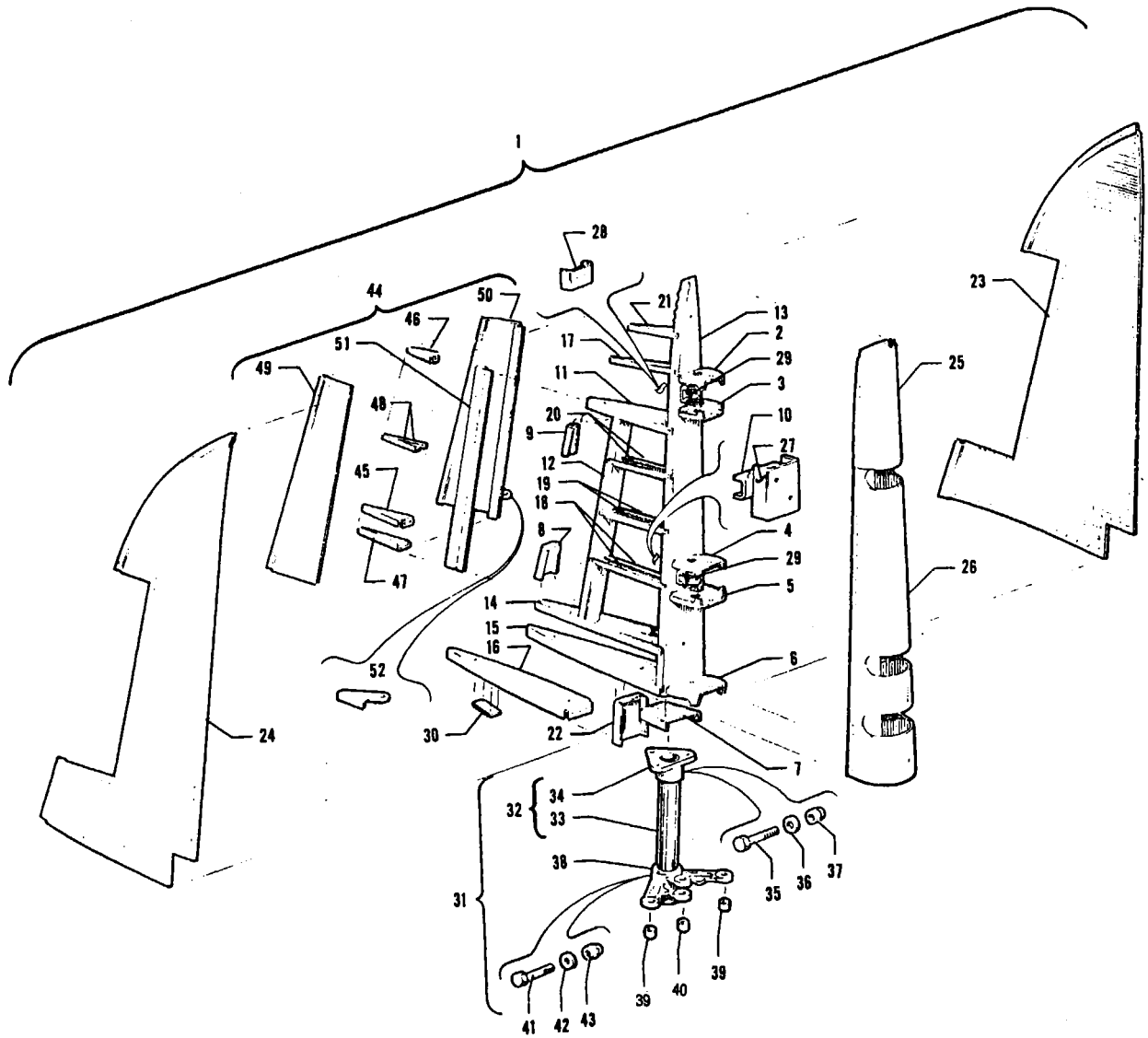


Figure 45. Rudder Assembly



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
45-1	17068-37	A	RUDDER ASSEMBLY	1	
-2	17068-02		BULKHEAD	1	
-3	17068-03		BULKHEAD	1	
-4	17068-04		BULKHEAD	1	
-5	17068-05		BULKHEAD	1	
-6	17068-06		BULKHEAD	1	
-7	17068-07		RIB - Reinforcement	1	
-8	17068-08		CHANNEL	1	
-9	17068-09		CHANNEL	1	
-10	17068-10		CHANNEL	1	
-11	17068-11		RIB	1	
-12	17068-12		SPAR - Rear	1	
-13	17068-13		SPAR - Front	1	
-14	17068-14		RIB	1	
-15	17068-15		RIB	1	
-16	17068-16		RIB	1	
-17	17068-19		ANGLE - Reinforcement	2	
-18	17068-20		ANGLE - Reinforcement	2	
-19	17068-21		ANGLE - Reinforcement	2	
-20	17068-22		ANGLE - Reinforcement	2	
-21	17068-23		ANGLE - Reinforcement	2	
-22	17068-25		BULKHEAD	1	
-23	17068-28		SKIN - Side, left	1	
-24	17068-29		SKIN - Side, right	1	
-25	17068-30		SKIN - Leading edge, top	1	
-26	17068-31		SKIN - Leading edge, bottom	1	
-27	17068-32		CHANNEL	1	
-28	17068-33		CHANNEL	1	
-29	17056-00		HINGE ASSEMBLY	2	
-30	17270-00		PLATE	1	
-31	19437-02		TUBE ASSEMBLY - Rudder torque	1	
-32	17061-03		TUBE ASSEMBLY - Rudder torque tube	1	
-33	17061-02		TUBE - Rudder, torque	1	
-34	19408-00		BRACKET - Rudder torque	1	
-35	402 320		BOLT - (AN174-21A)	2	
-36	407 565		WASHER - (AN960-416)	2	
-37	406 682		NUT - (ESN#42E-.048)	2	
-38	19405-00		HORN ASSEMBLY - Rudder torque tube	1	
-39	14976-24		BUSHING	2	
-40	82732-99		BUSHING	2	
-41	402 320		BOLT - (AN174-21A)	2	
-42	407 585		WASHER - (AN960-416L)	2	
-43	406 682		NUT - (ESN#42E048)	2	
-44	17068-36		TAB ASSEMBLY - Rudder trim	1	
-45	17068-17		RIB - Rudder trim tab	1	
-46	17068-18		RIB - Rudder trim tab	1	
-47	17068-35		RIB - Rudder trim tab	1	
-48	17068-24		ANGLE - Trim tab reinforcement	2	
-49	17068-26		SKIN - Trim tab, right	1	
-50	17068-27		SKIN - Trim tab, left	1	
-51	17068-34		HINGE - Rudder trim tab	1	
-52	17059-00		HORN ASSEMBLY - Rudder trim tab	1	

A - When installing this part on airplanes 23-1 to 23-920 inclusive, use AN174-15 bolts for hinge pins.

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

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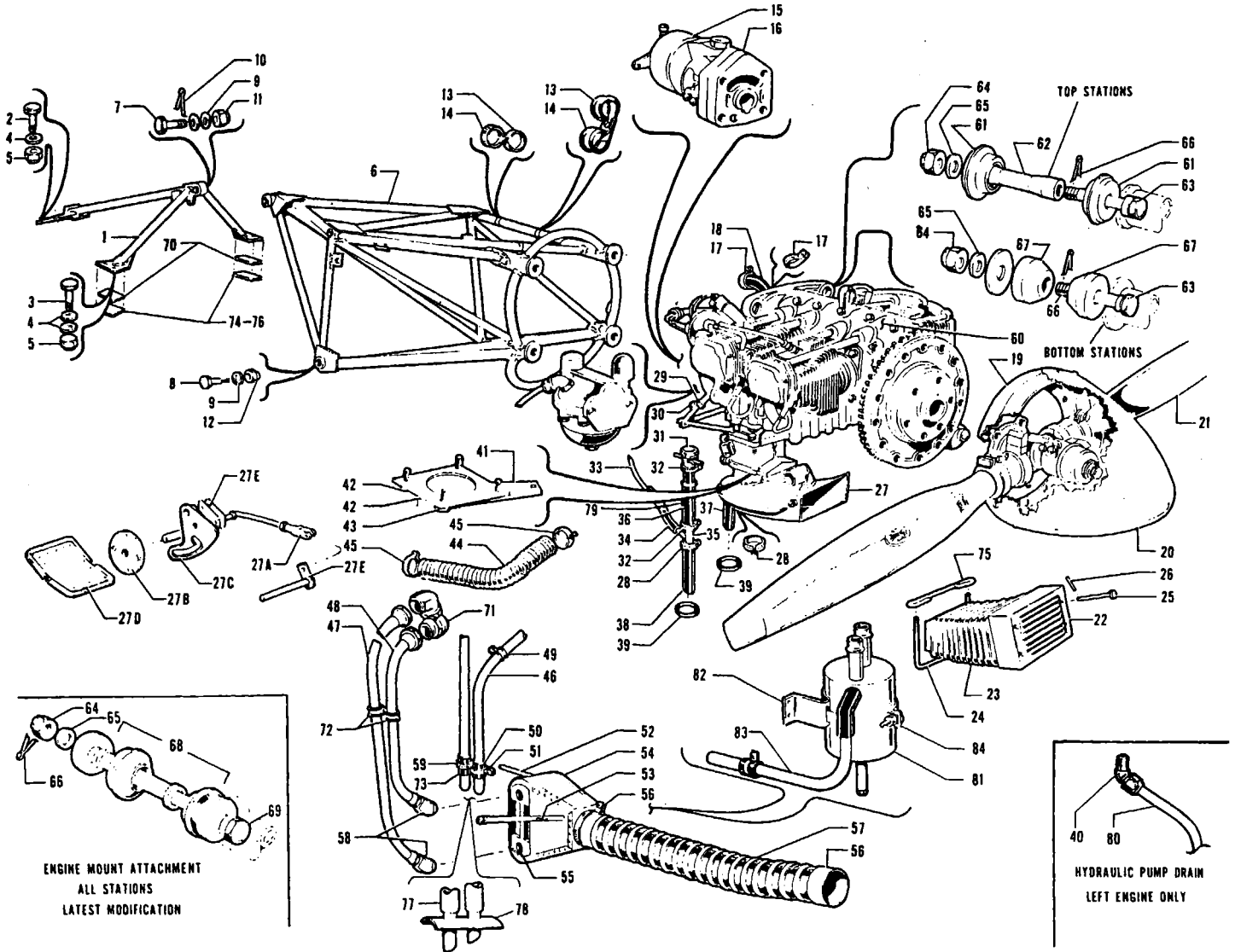


Figure 46. Power Plant Installation



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
46-	18250		DRAWING - Power Plant		
-1	17107-01		SUPPORT ASSEMBLY - Engine mount, right	1	23-1 to 23-1903 inclusive
	16073-01		SUPPORT ASSEMBLY - Engine mount, right	1	23-1904 and up
	17107-00		SUPPORT ASSEMBLY - Engine mount, left	1	
-2	400 003		BOLT - (AN4-6A)	8	
-3	401 310		BOLT - (AN4-10A)	8	
-4	407 565		WASHER - (AN960-416)	20	
-5	406 682		NUT - (#42E048)	16	
-6	17137-01		MOUNT ASSEMBLY - Engine, right	1	
	17137-00		MOUNT ASSEMBLY - Engine, left	1	
-7	402 354		BOLT - (AN176-24)	2	
-8	400 213		BOLT - (AN6-20)	4	
-9	407 587		WASHER - (AN960-616L)	6	
-10	424 059		PIN - (AN380-3-3)	2	
-11	404 103		NUT - (AN310-6)	2	
-12	404 890		NUT - (MS20365-624C)	4	
-13	454 935		CLAMP - (A4980S-10-91)	4	
-14	454 886		CLAMP - (A4886S-10-24)	4	
-15	21350-03	F	GOVERNOR - Propeller (Woodward)	2	
	19695-00	F	GOVERNOR - Propeller (Hartzell)	2	
-16	751 833		GASKET - Governor mounting	1	
-17	454 950		CLAMP - Tinnerman (A3122-18-1)	4	
-18	82371-52		HOSE - Flexible, oil breather	2	
-19	487 248		ADAPTER - Spinner bulkhead	2	23-1 to 23-1696 inclusive
	16444-00		ADAPTER - Spinner bulkhead	2	23-1697 and up
-20	17884-00		SPINNER - Propeller (polished)	2	23-1 to 23-1696 inclusive
	17884-02		SPINNER - Propeller (prime painted)	2	23-1 to 23-1696 inclusive
	16443-00		SPINNER - Propeller (prime painted)	2	23-1697 and up
-21	450 921	AE	PROPELLER ASSEMBLY - (HC82XG-2B)	2	23-1 to 23-1683 inclusive
	450 923	AD	PROPELLER ASSEMBLY - (HC82XL-2C)	2	23-1684 and up
-22	17775-00		FILTER ASSEMBLY - Carburetor air	2	
-23	18238-00		COUPLING - Carburetor air filter	2	
-24	18827-00		CLAMP - Carburetor air filter coupling attachment	2	
-25	487 571		STUD	8	
-26	480 650		PIN - Cross	8	
-27	18632-01	B	BOX ASSEMBLY - Carburetor air, right	1	23-1 to 23-1151 inclusive
	18632-00	B	BOX ASSEMBLY - Carburetor air, left	1	23-1 to 23-1151 inclusive
	19318-01		BOX ASSEMBLY - Carburetor air, right "160"	1	23-1152 to 23-1718 inclusive
	19318-00		BOX ASSEMBLY - Carburetor air, left "160"	1	23-1152 to 23-1718 inclusive
	19318-01	C	BOX ASSEMBLY - Carburetor air, right "150"	1	23-1152 to 23-1163 inclusive
	19318-00	C	BOX ASSEMBLY - Carburetor air, left "150"	1	23-1152 to 23-1163 inclusive
	19318-07		BOX ASSEMBLY - Carburetor air, right "150"	1	23-1164 and up
	19318-06		BOX ASSEMBLY - Carburetor air, left "150"	1	23-1164 and up
	19650-01		BOX ASSEMBLY - Carburetor air, right "160"	1	23-1719 and up
	19650-00		BOX ASSEMBLY - Carburetor air, left "160"	1	23-1719 and up
			A - See Figure 51 for component parts of this propeller.		
			B - Order 19318-00 left or 19318-01 right if hi-temperature carburetor, Kits 754 171 or 754 173, has been installed.		
			C - Order 19318-06 left or 19318-07 right if airplane has been converted to 3800 lb. gross weight.		
			D - Used with .437 hub mounting bolts.		
			E - Used with .375 hub mounting bolts.		
			F - Ascertain present model type (Woodward or Hartzell) when ordering.		

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
46-27a	16460-01		ROD ASSEMBLY - Air box valve, right	1	23-1719 and up
	16460-00		ROD ASSEMBLY - Air box valve, left	1	23-1719 and up
-27b	19343-00		BUSHING ASSEMBLY - Carburetor air box	2	23-1152 and up
-27c	19654-00		CAM ASSEMBLY - Air box, left	1	23-1152 and up
	19654-01		CAM ASSEMBLY - Air box, right	1	23-1152 and up
-27d	16767-03		VALVE ASSEMBLY - Carburetor air box	1	23-1719 and up
-27e	19651-00		ARM ASSEMBLY - Air box, front control	1	23-1719 and up
	19652-00		ARM ASSEMBLY - Air box, rear control	1	23-1719 and up
-28	454 924		CLAMP (A3122-10-9)	4	
-29	454 894		CLAMP - (A4886S-5-1)	2	
-30	454 928		CLAMP - (A4986S-5-1)	2	
-31	14184-00		VALVE ASSEMBLY - Oil drain	2	23-1 to 23-1943 inclusive
	19845-00		VALVE ASSEMBLY - Oil drain	2	23-1944 and up
-32	454 922		CLAMP - (A3122-12-1)	4	23-1 to 23-1943 inclusive
-33	18247-00		LINE ASSEMBLY - Fuel pump vent	2	23-1 to 23-1943 inclusive
	18247-05		LINE ASSEMBLY - Fuel pump vent	2	23-1944 and up
-34	83161-02		HOSE - Fuel pump vent line connector	3	
-35	18248-00		TEE ASSEMBLY - Oil drain tube, right	1	23-1322 to 23-1943 inclusive
	19461-00		TEE ASSEMBLY - Oil drain tube, left	1	23-1322 to 23-1943 inclusive
-36	82371-53		HOSE - Flexible	2	
-37	16633-04		HOSE - Flexible	2	
-38	82371-51		HOSE - Flexible	2	23-1 to 23-1943 inclusive
-39	434 142		GROMMET - (AN931-14-20)	4	
-40	458 888		ELBOW - (AN823-3D) Left	1	
-41	18244-01		BRACKET - Carburetor heat control support, right	1	
	18244-00		BRACKET - Carburetor heat control support, left	1	
-42	73451-07		PLATE - Carburetor air scoop attachment, left	2	
	73451-07		PLATE - Carburetor air scoop attachment, right	3	
	73451-09		PLATE - Carburetor air scoop attachment, right	1	
-43	401 918		SCREW - (AN74A-3) left	4	
	401 919		SCREW - (AN74A-4) right	4	
-44	10625-37		HOSE - Carburetor air box	1	23-1 to 23-388 inclusive
	10625-49		HOSE - Carburetor air box	1	23-389 to 23-1151 inclusive
	10625-58		HOSE - Carburetor air box	1	23-1152 to 23-1718 inclusive
	10625-99		HOSE - Carburetor air box	1	23-1719 and up
-45	454 912		CLAMP - (A3122-34-1)	4	23-1 to 23-1151 inclusive
	454 914		CLAMP - (A3122-50-59)	4	23-1152 and up
-46	18248-00		LINE - Right engine breather	1	23-1 to 23-746 inclusive
	18245-00		LINE - Left engine breather	1	23-1 to 23-746 inclusive
	19208-00		LINE - Right engine breather	1	23-747 to 23-1434 inclusive
	19207-00		LINE - Left engine breather	1	23-747 to 23-1434 inclusive
	19471-00		LINE - Right engine breather	1	23-1435 and up
	19207-02		LINE - Left engine breather	1	23-1435 and up
-47	12762-06	A	HOSE ASSEMBLY - Oil cooler, lower	2	23-1 to 23-15, 23-17 to 23-76, 23-78 to 23-81, 23-83 to 23-162
	28599-02		HOSE ASSEMBLY - Oil cooler, lower	2	23-16, 23-77, 23-82, 23-163, to 23-1967 inclusive.
	28599-03		HOSE ASSEMBLY - Oil cooler, lower	2	23-1968 and up
-48	28599-04		HOSE ASSEMBLY - Oil cooler, upper	2	
-49	454 935		CLAMP - (A4980S-10-91) left engine only	1	
-50	18331-00		HOSE - Breather line attachment clamp	2	

A - Use hose assembly 18588-00 if Kit 754 096 has been installed.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
46-51	454 941		CLAMP - (A2980S-14-1) Breather line attachment	2	
-52	18239-00		ROD ASSEMBLY - Oil cooler support	2	
-53	18322-00		TUBE - Oil cooler brace	2	
-54	18240-00	C	BOX ASSEMBLY - Oil cooler air distribution	2	23-1 to 23-162 inclusive
	18620-00		BOX ASSEMBLY - Oil cooler air distribution	2	23-163 and up
-55	455 163	BC	COOLER ASSEMBLY - Oil	2	23-1 to 23-162 inclusive
	18622-00		COOLER ASSEMBLY - Oil	2	23-163 and up
-56	454 926		CLAMP - (A3122-68-59)	4	
-57	10525-26		HOSE - Oil cooler air intake	2	
-58	458 883	B	ELBOW - (AN915-3D)	2	23-1995 and up
	458 918		ELBOW - (AN914-3D)	2	23-1995 and up
-59	454 941		CLAMP - (A2980S-14-1) Oil separator vent line attachment	1	
-60			ENGINE - Lycoming (O-320) 150 HP	2	
			ENGINE - Lycoming (O-320-B1A) 160 HP	2	
-61	475 133		MOUNT - Shock, engine mount, upper	8	23-1 to 23-133 inclusive
-62	487 206		SPACER - Shock mount, engine mount, upper	4	23-1 to 23-133 inclusive
-63	400 309		BOLT - (AN8-30)	8	23-1 to 23-133 inclusive
-64	404 105		NUT - (AN310-8)	8	
-65	407 569		WASHER - (AN960-816)	8	
-66	424 059		PIN - (AN380-3-3)	8	
-67		A	BUSHING - Rubber, engine mount, lower	8	23-1 to 23-133 inclusive
-68	475 134		MOUNT ASSEMBLY - (J06230-1) shock (set)	8	23-134 and up
-69	400 311		BOLT - (AN8-32)	8	23-134 and up
-70	17371-02		PLATE - Shim, outboard	2	
-71	455 152		CONNECTOR Male (W/H 48 x 6B)	1	
-72	454 892		CLAMP - (A3125-3-179)	4	
-73	18331-00		HOSE - Oil separator vent line attachment clamp	1	
-74	17371-04		PLATE - Shim, inboard	2	
-75	18828-00		ROD - Air filter coupling	2	
-76	18752-02		SHIM - (.016)	AR	
	18752-03		SHIM - (.032)	AR	
	18752-04		SHIM - (.064)	AR	
-77	82371-40		HOSE - Flexible	2	23-747 to 23-1434 inclusive
	82371-86		HOSE - Flexible	2	23-1435 and up
-78	19182-00		TUBE ASSEMBLY - Oil vacuum and discharge line adapter	2	23-747 to 23-1248 inclusive
-79	19228-00		TUBE - Oil drain hose former	1	23-747 to 23-1943 inclusive
-80	18247-03		LINE ASSEMBLY - Hydraulic pump drain, left	1	23-1322 to 23-1943 inclusive
	18247-07		LINE ASSEMBLY - Hydraulic pump drain, left	1	23-1944 and up
-81	19470-00		TANK ASSEMBLY - Oil collector	2	23-1435 and up
-82	19473-00		BRACKET - Oil collector tank mounting	2	23-1435 and up
-83	19472-00		TUBE - Oil collector over flow, left	1	23-1345 to 23-1994 inclusive
	19911-00		TUBE - Oil collector overflow, left	1	23-1995 and up
	19472-01		TUBE - Oil collector overflow, right	1	23-1345 to 23-1994 inclusive
	19911-01		TUBE - Oil collector overflow, right	1	23-1995 and up
-84	80002-67		CLAMP - Oil collector tank mounting	2	23-1435 and up

A - Not available through Piper Aircraft Corporation. Secure from AVCO Manufacturing Corporation. Lycoming Division, Williamsport, Pennsylvania.
 B - Oil cooler 455 163 not available, oil cooler, Kit 756 795 will be supplied as a replacement. Ascertain that oil temperature Kit 754 096 has been installed per Service Letter 246 when making this replacement.
 C - If Oil Cooler Kit 756 795 has been installed, order part for serial nos. 23-163 and up.

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

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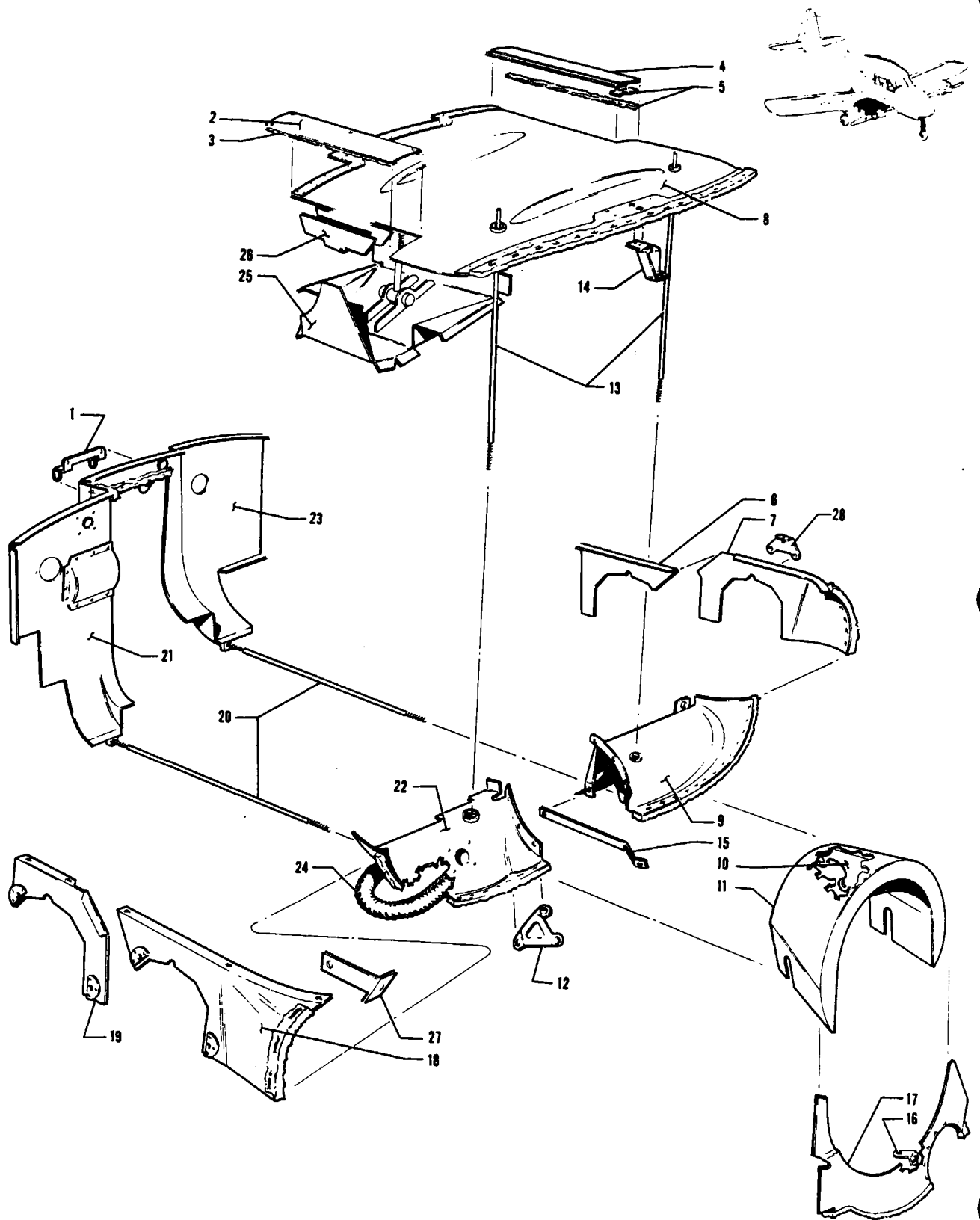


Figure 47. Engine Baffle Installation



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
47-	18182		DRAWING - Engine Baffle Installation		
-1	18196-00		BRACKET - Engine baffle attachment	2	
-2	18194-00		PLATE ASSEMBLY - Right hand spark plug access	2	
-3	180 497		FELT - White	1	
-4	18195-00		PLATE ASSEMBLY - Left hand spark plug access	2	
-5	180 497		FELT - White	1	
-6	18187-00		BAFFLE ASSEMBLY - Engine left side, rear	2	
-7	18188-00		BAFFLE ASSEMBLY - Engine left side, front	2	
-8	18192-00		BAFFLE ASSEMBLY - Engine top	2	
-9	18189-00		BAFFLE ASSEMBLY - Engine left, front	2	
-10	18200-00		BRACKET - Front center baggle attachment, top	2	
-11	18190-00		BAFFLE ASSEMBLY - Engine front, center	2	
-12	18203-00		BRACKET - Baffle attachment, right	2	
-13	18232-00		ROD - Engine cowl support	4	
-14	18197-00		BRACKET - Engine top baffle support	2	
-15	18201-00		BRACKET - Baffle attachment, left side	2	
-16	18202-00		BRACKET - Right engine generator opening cover support	1	
-17	18193-00		PLATE ASSEMBLY - Right engine generator opening cover	1	
-18	18183-00		BAFFLE ASSEMBLY - Engine right side front	2	
-19	18184-00		BAFFLE ASSEMBLY - Engine right side rear	2	
-20	18198-00		ROD - Engine baffle tie	4	
-21	18185-00		BAFFLE ASSEMBLY - Engine, right rear	2	
-22	18191-03		BAFFLE ASSEMBLY - Right engine, right front	1	
	18191-02		BAFFLE ASSEMBLY - Left engine, right front	1	
-23	18186-00		BAFFLE ASSEMBLY - Engine, left rear	2	
-24	10525-51	A	HOSE - Airblast, left generator	1	
-25	18199-00	B	BAFFLE - Inner cylinder	4	
-26	18213-00	B	CHANNEL - Inner cylinder baffle	4	
-27	18609-00		PLATE - Baffle	2	
-28	19839-00		BRACKET - Baffle support, top	1	23-1928 and up

A - Two clamps (454 870) are required to install this hose in place of metal flexible air blast tube.
 B - Not available through Piper Aircraft Corporation. Secure from Lycoming, Division-Avco Corporation, Williamsport, Pennsylvania.

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

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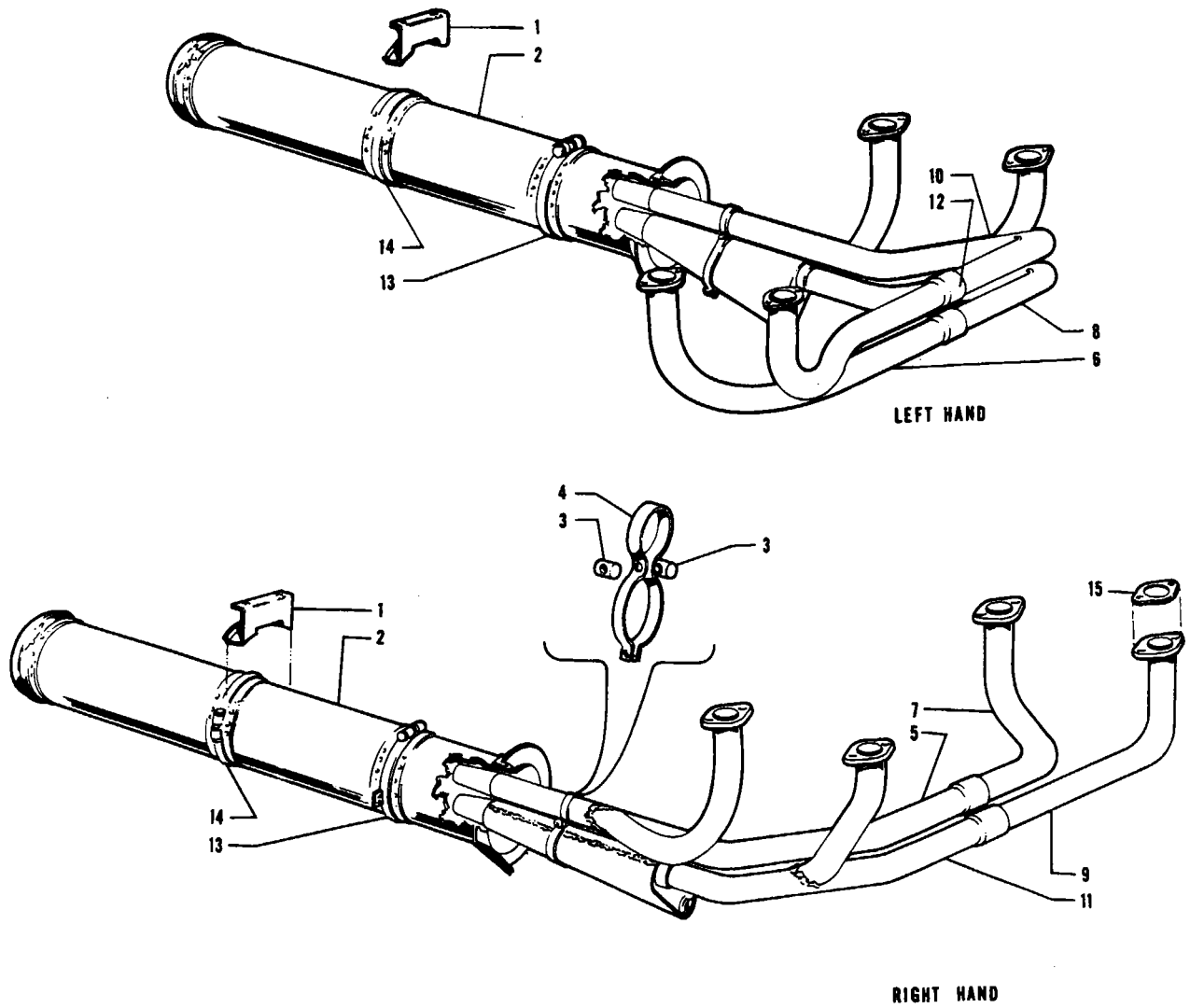


Figure 48. Exhaust Collectors Installation
(Serial Nos. 23-1 to 23-1151 inclusive)



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
48-	18250 17913		DRAWING - Power Plant Installation DRAWING - Engine Nacelle Installation		
-1	18117-01		BRACKET - Right engine exhaust ejector tube, rear support clamp mounting	1	
	18117-00		BRACKET - Left engine exhaust ejector tube, rear support clamp mounting	1	
-2	18518-03		TUBE ASSEMBLY - Right engine exhaust ejector	1	
	18518-02		TUBE ASSEMBLY - Left engine exhaust ejector	1	
-3	18242-00		PIN - Exhaust stack clamp tightening	4	
-4	18241-00		CLAMP - Exhaust stack, 1 3/4" and 1 3/4" clamps (Used when 6" exhaust shroud is installed)	2	
	18934-00		CLAMP - Exhaust stack, 1 3/4" and 3 1/16" clamps (Used when 12" exhaust shroud is installed)	2	
-5	18028-14		STACK ASSEMBLY - Exhaust, right engine, right rear cylinder (18028-05)	1	
-6	18027-16		STACK ASSEMBLY - Exhaust, left engine, right rear cylinder (18027-05)	1	
-7	18028-15		STACK ASSEMBLY - Exhaust, right engine, left rear cylinder (18028-06)	1	
-8	18027-13	A	STACK ASSEMBLY - Exhaust, left engine, left rear cylinder	1	
-9	18028-16		STACK ASSEMBLY - Exhaust, right engine, left front cylinder (18028-11)	1	
-10	18027-18		STACK ASSEMBLY - Exhaust, left engine, left front cylinder (18027-11)	1	
-11	18028-12	B	STACK ASSEMBLY - Exhaust, right engine, right front cylinder	1	
-12	18027-17		STACK ASSEMBLY - Exhaust, left engine, left front cylinder (18027-10)	1	
-13	18115-01		CLAMP ASSEMBLY - Right engine exhaust ejector tube front support	1	
	18115-00		CLAMP ASSEMBLY - Left engine exhaust ejector tube front support	1	
-14	18116-00		CLAMP ASSEMBLY - Exhaust ejector tube rear support	2	
-15		C	GASKET - Exhaust stack		
			<p>A - Use 18027-14 hi-temperature carburetor heat if Kit 754 171 or 754 173 is installed. B - Use 18028-13 if hi-temperature carburetor Kit 754 171 or 754 173 is installed. C - Not available from Piper Aircraft Corporation. Secure from Lycoming, Division-Avco Corporation, Williamsport, Pennsylvania.</p>		

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

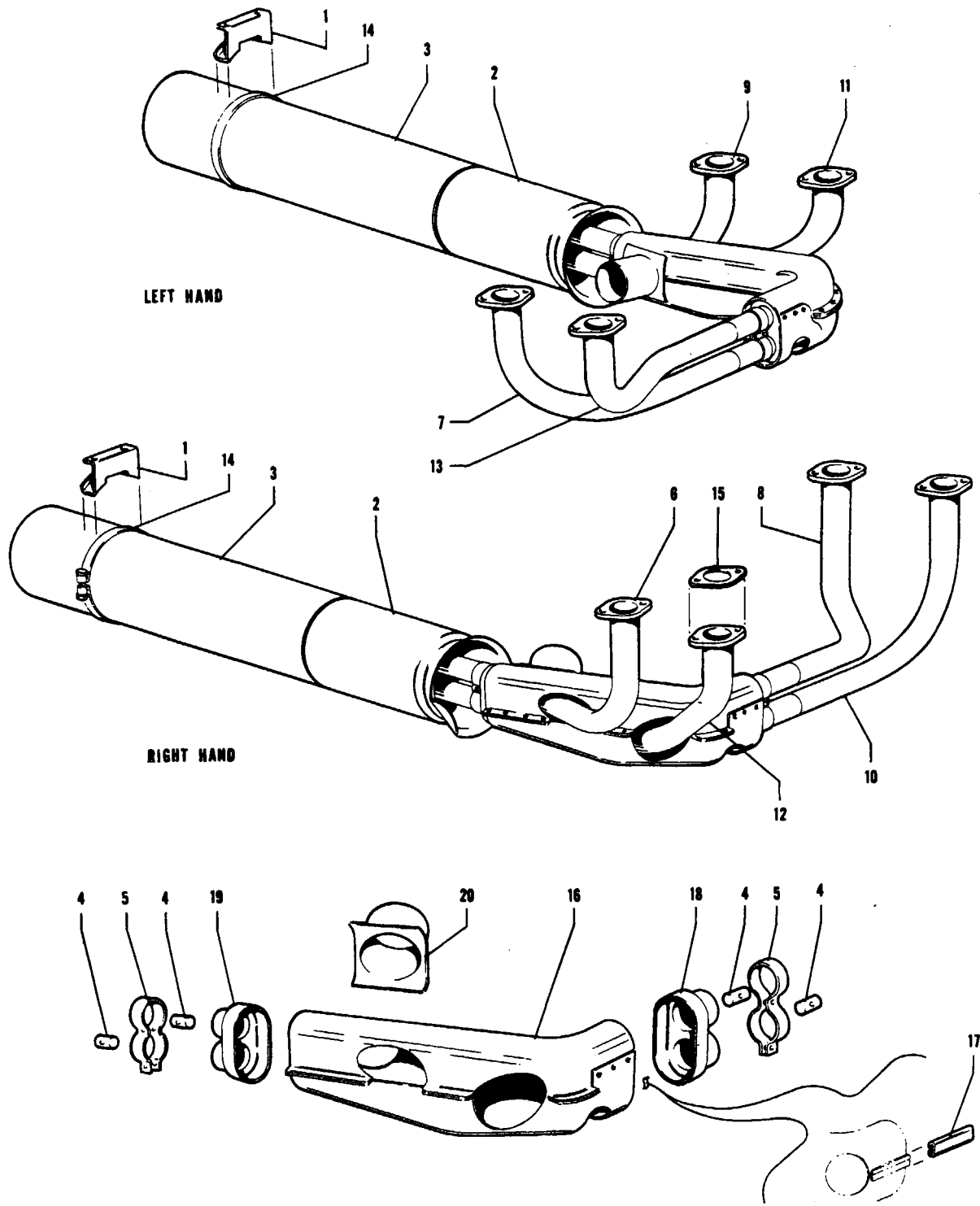


Figure 49. Exhaust Collectors Installation
(Serial Nos. 23-1152 and up)



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
49-	18250 17913		DRAWING - Power Plant Installation DRAWING - Engine Nacelle Installation		
-1	19607-01 19607-00		BRACKET - Right engine exhaust ejector tube, rear support clamp mounting BRACKET - Left engine exhaust ejector tube, rear support clamp mounting	1 1	
-2	19612-01 19612-00	B	TUBE ASSEMBLY - Right engine exhaust ejector, front TUBE ASSEMBLY - Left engine exhaust ejector, front	1 1	23-1502 and up 23-1502 and up
-3	19613-01 19613-00	B	TUBE ASSEMBLY - Right engine exhaust ejector, rear TUBE ASSEMBLY - Left engine exhaust ejector, rear	1 1	23-1502 and up 23-1502 and up
-4	18242-00		PIN - Exhaust stack clamp	8	
-5	18241-00		CLAMP - Exhaust stack	4	
-6	18028-14		STACK ASSEMBLY - Exhaust, right engine right rear cylinder (18028-05)	1	
-7	18027-16		STACK ASSEMBLY - Exhaust, left engine, right rear cylinder (18027-05)	1	
-8	18028-15		STACK ASSEMBLY - Exhaust, right engine, left rear cylinder (18028-06)	1	
-9	18027-19		STACK ASSEMBLY - Exhaust, left engine, left rear cylinder (18027-14)	1	
-10	18028-16		STACK ASSEMBLY - Exhaust, right engine, left front cylinder (18028-11)	1	
-11	18027-18		STACK ASSEMBLY - Exhaust, left engine, left front cylinder (18027-11)	1	
-12	18028-17		STACK ASSEMBLY - Exhaust, right engine, right front cylinder (18028-13)	1	
-13	18027-17		STACK ASSEMBLY - Exhaust, left engine, right front cylinder (18027-10)	1	
-14	18116-09		CLAMP ASSEMBLY - Exhaust ejector tube rear support	2	
-15		A	GASKET - Exhaust stack		
-16	754 200 754 201		SHROUD - Exhaust stack (left, complete) SHROUD - Exhaust stack (right, complete)	1 1	
-17	71261-09		CLIP - Shroud	2	23-1152 to 23-1501 inclusive
-18	19556-06 19556-05		PLATE - Exhaust stack shroud end, left (19556-00) PLATE - Exhaust stack shroud end, right (19556-01)	1 1	
-19	19555-05		PLATE - Exhaust stack shroud end (19555-00)	1	
-20	19334-01 19334-00		TUBE ASSEMBLY - Take-off, right TUBE ASSEMBLY - Take-off, left	1 1	

A - Not available from Piper Aircraft Corporation.
Secure from Lycoming, Division-Avco Corporation, Williamsport, Pennsylvania.
B - Use ejector tube (complete) 18518-03 (right engine) or 18518-02 (left engine) on airplanes with serial numbers 23-1152 to 23-1501 inclusive.

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

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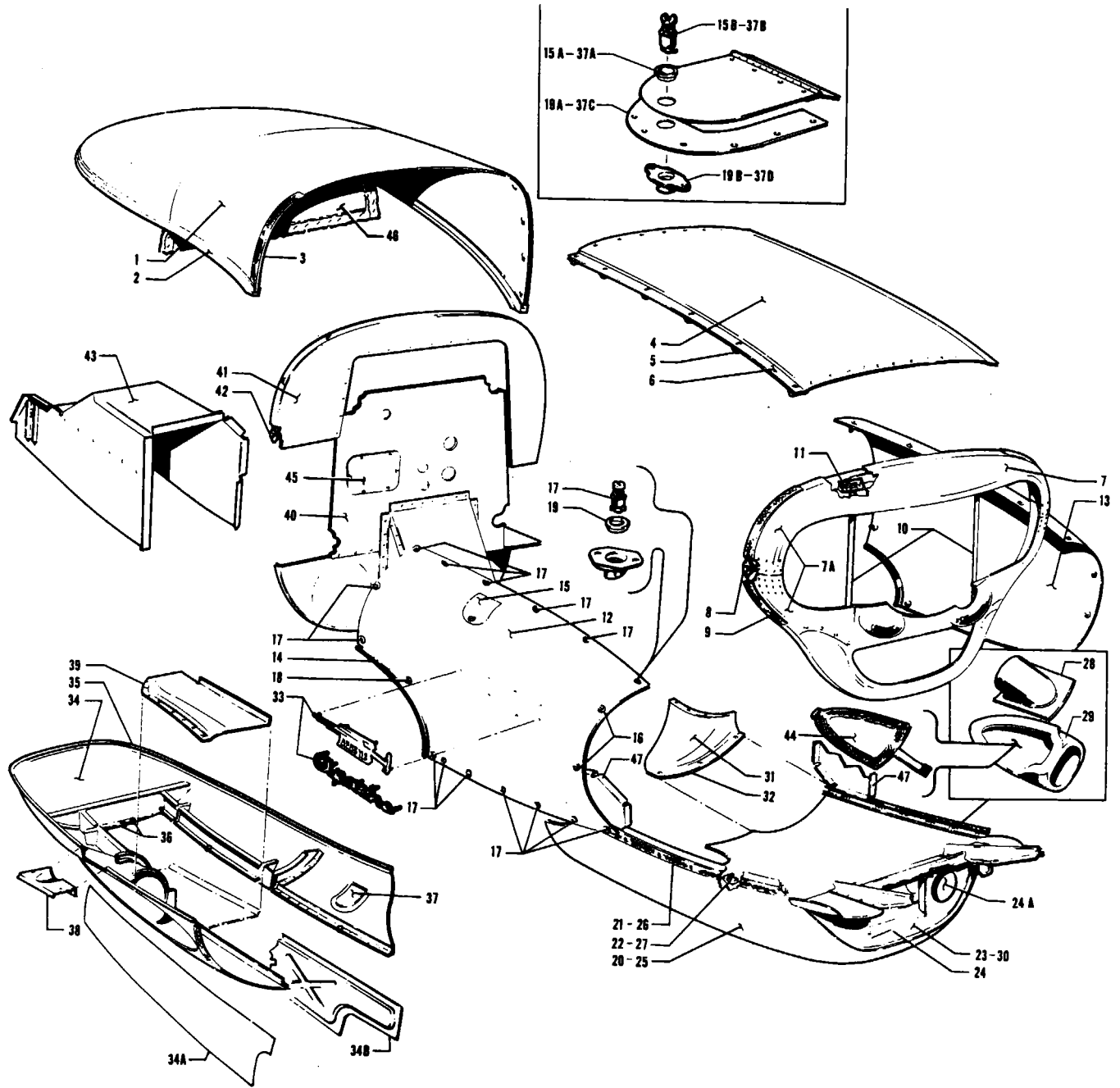


Figure 50. Nacelle Installation



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
50-	17913		DRAWING - Engine Nacelle Installation		
-1	17913-57		NACELLE ASSEMBLY - Right engine, rear, top	1	
	17913-58		NACELLE ASSEMBLY - Left engine, rear, top	1	
-2	187 555		MOULDING - Rubber (1-976A)	9'	
-3	180 817		WEBBING - Anti-squeak	5'	
-4	17913-69		COWL ASSEMBLY - Engine top	2	
-5	484 342		RECEPTACLE - Stud (#212-12D)	12	
-6	180 817		WEBBING - Anti-squeak	7'	
-7	17913-68		COWL ASSEMBLY - Engine nose	2	
-7a	17913-107		COWL ASSEMBLY - Nose, bottom	1	
	17913-106		COWL ASSEMBLY - Nose, top	1	
-8	484 342		RECEPTACLE - Stud (#212-12D)	4	
-9	180 817		WEBBING - Anti-squeak	5'	
-10	18232-00		ROD - Tie, engine nacelle	4	
-11	17913-59		BULKHEAD ASSEMBLY - Engine nose cowl	2	
-12	17913-63		COWL ASSEMBLY - Right engine side, outboard	1	
	17913-62		COWL ASSEMBLY - Left engine side, outboard	1	
-13	17913-61		COWL ASSEMBLY - Right engine side, inboard	1	23-1 to 23-1182 inclusive
	17913-60		COWL ASSEMBLY - Left engine side, inboard	1	23-1 to 23-1182 inclusive
	17913-115		COWL ASSEMBLY - Right engine side, inboard	1	23-1183 and up
	17913-114		COWL ASSEMBLY - Left engine side, inboard	1	23-1183 and up
-14	19795-00		MOULDING - Rubber	1'	
-15	18218-02		PLATE ASSEMBLY - Oil filler access (right engine outboard and left engine inboard)	1	23-1 to 23-375 inclusive
	18872-03		PLATE ASSEMBLY - Oil filler access (right engine outboard and left engine inboard)	1	23-376 and up
-15a	494 060	A	WASHER - Lock (2600-LW)	1	
	494 057	B	WASHER - Split (2600-SW2)	1	
-15b	487 588	A	STUD - Wing (2600-1W)	1	
	487 583	B	STUD - Slotted (2600-1)	1	
-16	487 587		STUD - Slotted head (2600-5)	2	
-17	487 586		STUD - Slotted head (2600-4)	17	
-18	487 585		STUD - Slotted head (2600-3)	1	
-19	494 057		WASHER - Stud (2600-SW2)	20	
-19a	18873-00	A	PLATE ASSEMBLY - Oil filler access reinforcement	1	
	18217-00	B	PLATE ASSEMBLY - Oil filler access reinforcement	1	
-19b	484 342		RECEPTACLE - (#212-12D)	1	
-20	17913-117		COWL ASSEMBLY - Right engine, bottom	1	23-163 and up
	17913-118		COWL ASSEMBLY - Left engine, bottom	1	23-163 and up
-21	180 817		WEBBING - Anti-squeak	6'	
-22	484 342		RECEPTACLE - Stud (#212-12D)	13	
-23	18676-05		BULKHEAD ASSEMBLY - Right bottom nacelle	1	23-163 and up
	18676-04		BULKHEAD ASSEMBLY - Left bottom nacelle	1	23-163 and up
-24	19795-00		MOULDING - Rubber	1'	
-24a	18261-01		TAKE-OFF - Oil radiator, right	1	23-163 and up
	18261-00		TAKE-OFF - Oil radiator, left	1	23-163 and up
-25	18610-01		COWL ASSEMBLY - Right engine, bottom	1	23-1 to 23-162 inclusive
	18610-00		COWL ASSEMBLY - Left engine, bottom	1	23-1 to 23-162 inclusive

A - Used on plate 18872-03.
B - Used on plate 18218-02.

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

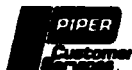


Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
50-26	180 817		WEBBING - Anti-squeak	6'	
-27	484 342		RECEPTACLE - Stud (#121-12D)	13	
-28	18461-00		TUBE ASSEMBLY - Air take-off, oil radiator	1	23-1 to 23-162 inclusive
-29	18460-04		SCOOP ASSEMBLY - Oil radiator air intake	1	23-1 to 23-162 inclusive
-30	18676-03		BULKHEAD ASSEMBLY - Right bottom nacelle	1	23-1 to 23-162 inclusive
	18676-02		BULKHEAD ASSEMBLY - Left bottom nacelle	1	23-1 to 23-162 inclusive
-31	18267-01		PLATE - Right engine oil cooler air exhaust baffle	1	
	18267-00		PLATE - Left engine oil cooler air exhaust baffle	1	
-32	19795-00		MOULDING - Rubber	6'	
-33	17597-01		MEDALLION - "APACHE", right engine	1	23-1 to 23-746 inclusive
	17597-00		MEDALLION - "APACHE", left engine	1	23-1 to 23-746 inclusive
	19779-00		MEDALLION - "APACHE"	2	23-1781 and up
-34	17913-67		NACELLE ASSEMBLY - Right engine, rear bottom	1	23-1 to 23-1501 inclusive
	17913-136		NACELLE ASSEMBLY - Right engine, rear bottom	1	23-1502 and up
	17913-66		NACELLE ASSEMBLY - Left engine, rear bottom	1	23-1 to 23-1501 inclusive
	17913-135		NACELLE ASSEMBLY - Left engine, rear bottom	1	23-1502 and up
-34a	19098-00		DOOR ASSEMBLY - Right, main gear, outboard	1	
	17793-00		DOOR ASSEMBLY - Left, main gear, outboard	1	
-34b	19092-00		DOOR ASSEMBLY - Right, main gear, inboard	1	
	17792-00		DOOR ASSEMBLY - Left, main gear, inboard	1	
-35	19795-00		MOULDING - Rubber	10'	
-36	453 641		BUMPER - Rubber stem	8	
-37	18218-03		PLATE ASSEMBLY - Fuel strainer access	1	23-1 to 23-375 inclusive
	18872-02		PLATE ASSEMBLY - Fuel strainer access	1	23-376 and up
-37a	494 060	B	WASHER - Lock (2600-LW)	1	
	494 057	A	WASHER - Split (2600-SW2)	1	
-37b	487 588	B	STUD - Wing (2600-1W)	1	
	487 583	A	STUD - Slotted (2600-1)	1	
-37c	18873-00	B	PLATE ASSEMBLY - Fuel strainer access	1	
			reinforcement	1	
	18217-00	A	PLATE ASSEMBLY - Fuel strainer access	1	
			reinforcement	1	
-37d	484 342		RECEPTACLE - (#212-12D)	1	
-38	18288-01		PLATE - Cover, right fuel cell outlet	1	
	18288-00		PLATE - Cover, left fuel cell outlet	1	
-39	18033-01		PLATE - Right engine nacelle trim	1	
	18033-00		PLATE - Left engine nacelle trim	1	
-40	751 769		FIREWALL ASSEMBLY - Right engine	1	23-1 to 23-1501 inclusive
	751 773		FIREWALL ASSEMBLY - Right engine	1	23-1502 and up
	751 770		FIREWALL ASSEMBLY - Left engine	1	23-1 to 23-1501 inclusive
	751 774		FIREWALL ASSEMBLY - Left engine	1	23-1502 and up
-41	18015-01		PLATE ASSEMBLY - Right engine firewall, upper	1	23-1 to 23-1501 inclusive
	19386-01		PLATE ASSEMBLY - Right engine firewall, upper	1	23-1502 and up
	18015-00		PLATE ASSEMBLY - Left engine firewall, upper	1	23-1 to 23-1501 inclusive
	19386-00		PLATE ASSEMBLY - Left engine firewall, upper	1	23-1502 and up
-42	484 342		RECEPTACLE - Stud (#212-12D)	7	
-43	16969-01		WELL ASSEMBLY - Main wheel, right	1	
	16969-00		WELL ASSEMBLY - Main wheel, left	1	

A - Used on airplanes with serial nos. 23-1 to 23-375 inclusive.
B - Used on airplanes with serial nos. 23-376 and up.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
50-44	18524-00		BAFFLE - Winterization	2	
-45	18818-00-		PLATE ASSEMBLY - Voltage regulator mounting	1	
-46	19054-00		BAFFLE ASSEMBLY - Right nacelle	1	23-545 and up
	19055-06		BAFFLE ASSEMBLY - Left nacelle	1	23-545 and up
-47	17913-124	A	GUSSET ASSEMBLY - Fairing attachment, left	1	23-1164 and up
	17913-123	A	GUSSET ASSEMBLY - Fairing attachment, right	1	23-1164 and up
<p>A - Used on airplanes with serial nos. 23-1 to 23-1163 incl., when Kit 754 175 is installed.</p>					

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

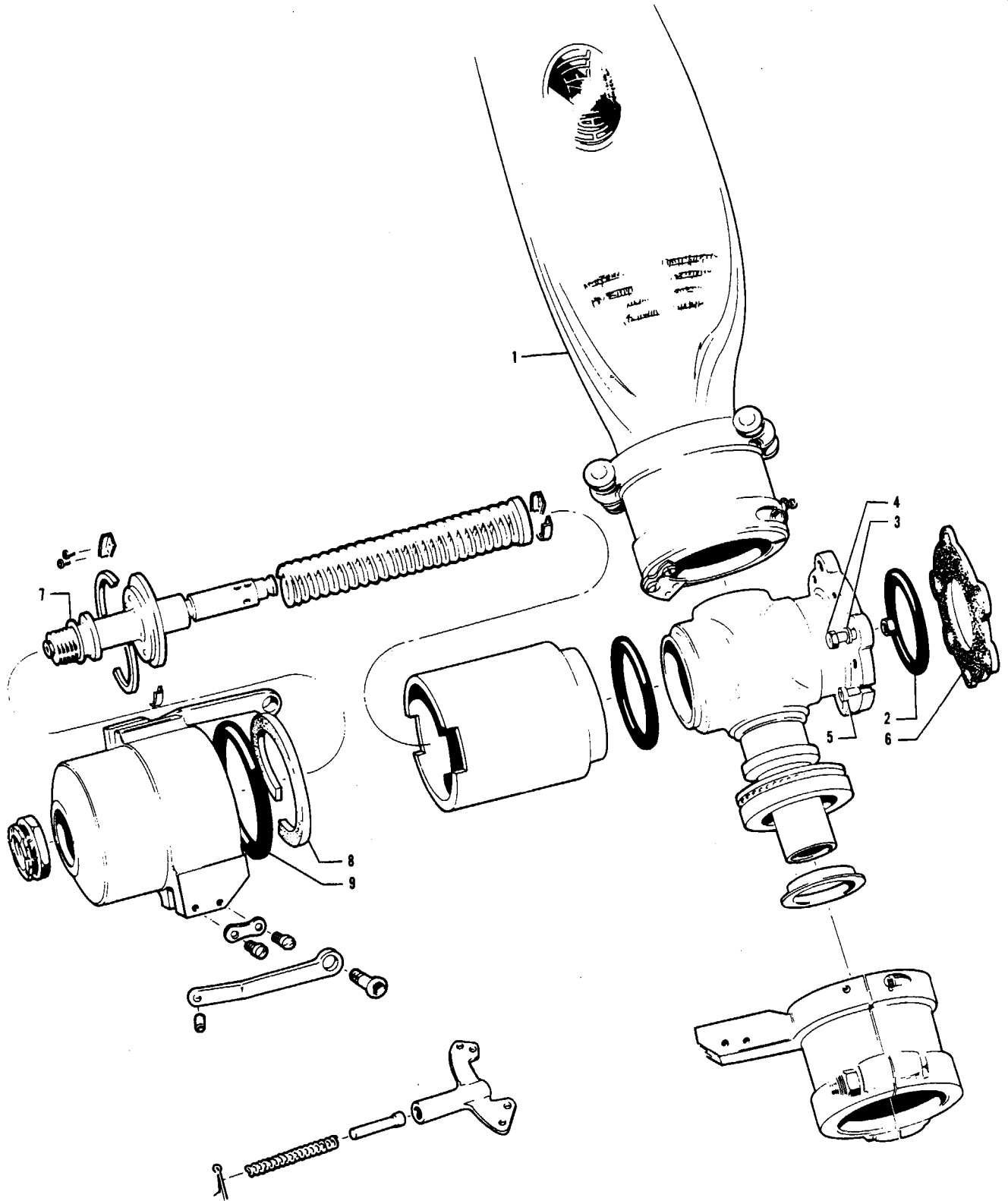


Figure 51. Propeller



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
51-1	450 923	D	PROPELLER - Hartzell (HC-82XL-2C)	2	
-2	752 832		PACKING - "O" Ring (AN6227-32)	1	
-3	753 167	D	WASHER - Hub mounting (.437 I.D.) (A898-2)	4	
-4	751 426	D	BOLT - Hub mounting (.437) (A988)	4	
-5	751 427	DEF	SCREW - Hub mounting (.453) (A987 Ferry head)	2	
	751 462	CD	BOLT - Hub mounting (.453) (A988-1 Hex head)	2	
	753 459	DE	BOLT - Hub mounting (.453) (A943-1 Hex head)	2	
-6	752 968	D	GASKET - Prop mounting (B933-1)	1	
-7	752 801	A	PACKING - "O" Ring (AN6227-14)	1	
	752 757	B	PACKING - "O" Ring (PRP914-12)	1	
-8	752 896		SEAL - Piston felt dust (A863)	1	
-9	752 802		PACKING - "O" Ring (AN6227-46)	1	

- A - Used when letter "A" is not stamped on end of pilot tube.
- B - Used when letter "A" is stamped on end of pilot tube.
- C - Used when HC-82XL-2C propellers are installed.
- D - Used with .437 hub mounting bolts.
- E - Used when HC-82XL-2B propellers are installed.
- F - Ferry head screw Part No. 751 427 is no longer available and Kit 757 024 will be supplied as a replacement. This kit is necessary to change the two ferry head screws to hex head bolts and consists of the following parts: 1 "O" Ring 752 832 (AN6227-32), 1 gasket 752 968 (B933-1), 4 washers 753 167 (A898-2), 4 hex head bolts 751 426 (A988-1), 2 hex head bolts 753 459 (A-943-1) and 2 high pitch stop assemblies 756 283 (830-9). If ferry head screw has been changed to hex head bolt on HC-82XL-2B propeller, order Part No. 753 459 only.

NOTE

Component parts of this propeller, which are not listed, are to be secured direct from Hartzell Propeller, Inc., Piqua, Ohio.

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

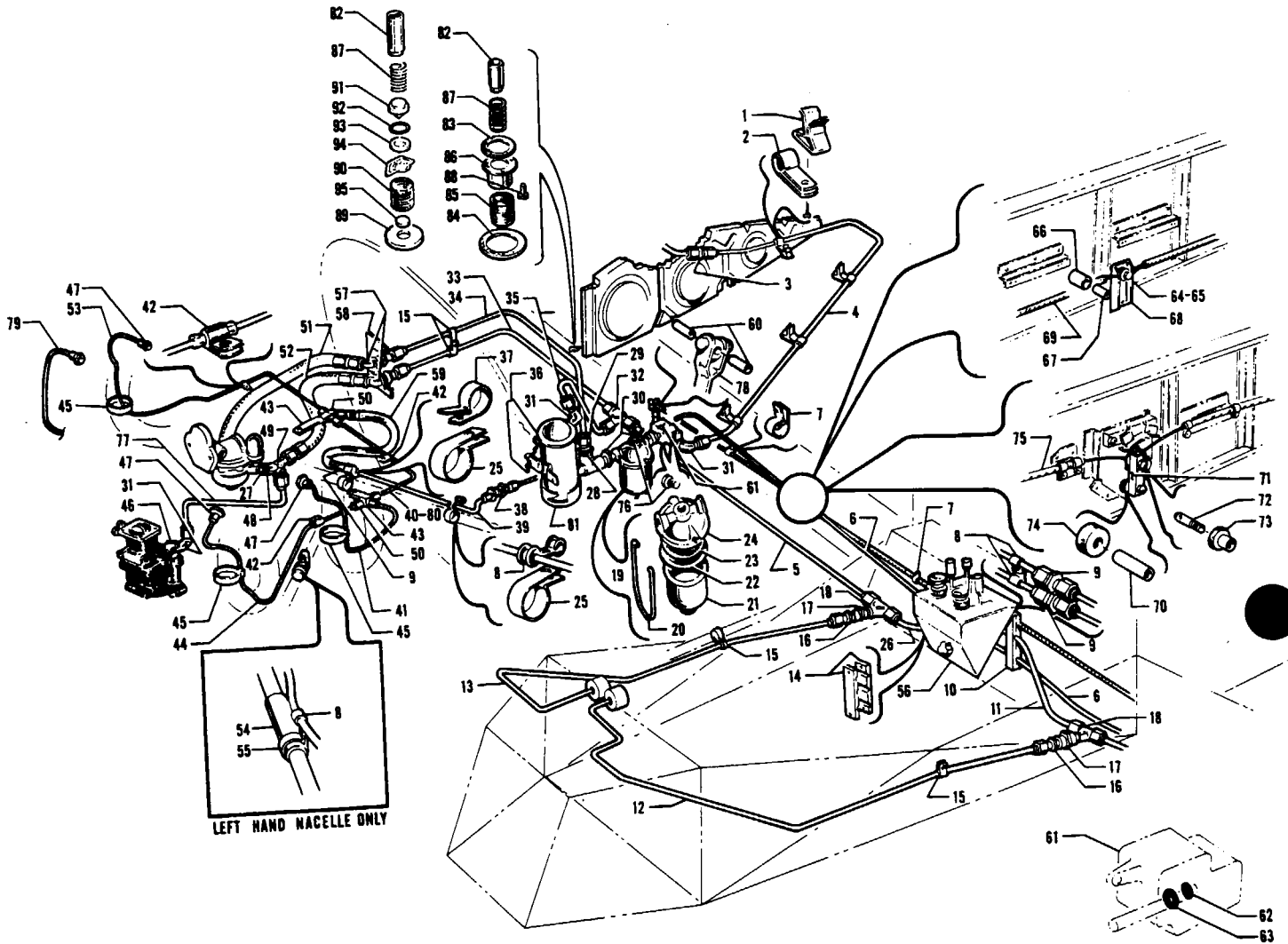


Figure 52. Fuel System Installation



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
52-	17997 17901		DRAWING - Fuel System Installation DRAWING - Wing Installation		
-1	454 906		CLIP - Tinnerman (A6320-8Z-3)	8	
-2	80032-71		CLAMP - Off-set	8	
-3	491 051		UNION - (AN815-5D)	2	
-4	17995-00		LINE ASSEMBLY - Fuel	2	
-5	17990-00		LINE ASSEMBLY - Fuel crossfeed, right engine	2	
-6	17984-00		LINE ASSEMBLY - Primer	2	
-7	454 928		CLAMP - Tinnerman (A4980S-3-91)	4	
-8	454 927		CLAMP - Tinnerman (A4980S-2-91)	4	
-9	491 048		UNION - (AN815-2D)	4	
-10	17981-00		BLOCK - Tube retaining	2	
-11	17989-00		LINE ASSEMBLY - Fuel crossfeed, left engine	1	
-12	17988-00		LINE ASSEMBLY - Fuel pressure, left	1	23-1 to 23-1544 inclusive
	19634-00		LINE ASSEMBLY - Fuel pressure, left	1	23-1545 and up
-13	17987-00		LINE ASSEMBLY - Fuel pressure, right	1	
-14	17980-00		BLOCK - Tube retaining	2	
-15	454 931		CLAMP - Tinnerman (A4980S-5-91)	6	
-16	455 173		COUPLING - (AN910-1D)	2	
-17	19289-00		NIPPLE - Restricted	2	23-860, 23-875, 23-844, 23-889, 23-892, 23-894, 23-895, 23-897 and up
-18	488 382		TEE - (AN825-5D)	2	
-19	14330-04		STRAINER ASSEMBLY - Fuel	2	
-20	60765-02		BAIL WIRE ASSEMBLY	1	
-21	16211-00		BOWL ASSEMBLY - (EZ drain type)	1	
-22	85012-32		GASKET	1	
-23	750 272		SCREEN	1	
-24	14428-00		COVER	1	
-25	454 886		CLAMP - Tinnerman (A4886S-10-24)	3	
-26	17979-00		LINE ASSEMBLY - Fuel crossfeed	1	
-27	453 616	A	BUSHING - (AN912-1D) Engine fuel pump outlet	2	
-28	488 381		TEE - (W/H 375 x 2)	2	
-29	476 661		NIPPLE - (AN816-5D)	2	
-30	476 657		NIPPLE - (W/H 3325 x 4 x 2)	4	
-31	458 896		ELBOW - (AN822-5D)	6	
-32	488 321		TEE - (AN824-5D)	2	
-33	17932-01		LINE ASSEMBLY - Fuel crossfeed, right	1	
	17932-00		LINE ASSEMBLY - Fuel crossfeed, left	1	
-34	17931-01		LINE ASSEMBLY - Fuel, right	1	
	17931-00		LINE ASSEMBLY - Fuel, left	1	
-35	17766-13		LINE ASSEMBLY - Fuel	2	
-36	17978-01		BRACKET - Fuel pump mounting, right	1	
	17978-00		BRACKET - Fuel pump mounting, left	1	
-37	454 885		CLAMP - Tinnerman (A4886S-24)	2	
-38	491 058		UNION - (AN832-2D)	2	
-39	17983-00		LINE ASSEMBLY - Primer, right (14")	1	
	17983-03		LINE ASSEMBLY - Primer, right (24")	1	
	17982-00		LINE ASSEMBLY - Primer, left (11")	1	
	16246-02		LINE ASSEMBLY - Primer, left (17")	1	

A - Used if fuel pump #5623467 is installed.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
52-40	18310-00		LINE ASSEMBLY - Rear primer	2	
-41	18309-00		LINE ASSEMBLY - Left rear cylinder primer	2	
-42	80032-69		CLAMP - Off-set	6	
-43	18078-00		CLAMP - Primer tee	4	
-44	18308-00		LINE ASSEMBLY - Left front cylinder primer (18-15/32")	2	
	21124-03		LINE ASSEMBLY - Left front cylinder primer (30-1/2")	2	
-45	18307-00		CLAMP - Primer line	6	
-46	453 616		BUSHING - (AN912-1D)	2	
-47	468 340		JET - Primer	6	
-48	458 904		ELBOW - (AN914-1D)	2	
-49	488 317		TEE - (AN826-5D)	2	
-50	488 318		TEE - (AN824-2D)	4	
-51	17766-11		HOSE ASSEMBLY - Flexible, fuel pump intake	2	
-52	17766-12		HOSE ASSEMBLY - Flexible, fuel pump outlet	2	
	17766-70	D	HOSE ASSEMBLY - Flexible, fuel pump outlet	2	
-53	18311-00		LINE ASSEMBLY - Right front cylinder primer (26-1/2")	2	
	21126-03		LINE ASSEMBLY - Right front cylinder primer (11-11/16")	2	
-54	18331-00		HOSE - Split, left	1	
-55	454 941		CLAMP - Tinnerman (A2980S-14-1)	1	
-56	17933-00	AB	BOX ASSEMBLY - Fuel system control, brown	1	23-193 to 23-289 inclusive
	17933-02	AC	BOX ASSEMBLY - Fuel system control, brown	1	23-193 to 23-289 inclusive
	17933-05	AB	BOX ASSEMBLY - Fuel system control, brown	1	23-290 to 23-375 inclusive
	17933-06	AC	BOX ASSEMBLY - Fuel system control, brown	1	23-290 to 23-375 inclusive
	17933-03	AB	BOX ASSEMBLY - Fuel system control, black	1	23-376 and up
	17933-04	AC	BOX ASSEMBLY - Fuel system control, black	1	23-376 and up
-57	458 911		ELBOW - (AN837-5D)	4	
-58	18432-00		PLACARD - Fuel line	2	
-59	17766-06		HOSE ASSEMBLY - Flexible	2	
-60	14175-97		BUSHING	4	
-61	492 050		VALVE ASSEMBLY - Fuel shutoff	2	
-62	752 741		PACKING - "O" Ring (MS29513-6)	2	
-63	752 742		PACKING - "O" Ring (MS29513-10)	1	
-64	18744-00		STUD - Swivel	2	23-193 to 23-289 inclusive
-65	70371-02		SWIVEL	2	23-193 to 23-289 inclusive
-66	80022-77		BUSHING	2	23-193 to 23-289 inclusive
-67	80022-78		BUSHING	2	23-193 to 23-289 inclusive
-68	18826-00		ARM - Fuel control cable support	2	23-193 to 23-289 inclusive
-69	18745-05		CABLE ASSEMBLY - Fuel control	2	23-193 to 23-289 inclusive
-70	80022-76		BUSHING	2	23-290 and up
-71	18782-00		ARM - Fuel control cable support	2	23-290 and up
-72	18790-00		STUD - Swivel	2	23-290 and up
-73	18791-00		SWIVEL	2	23-290 and up
-74	80022-75		BUSHING	2	23-290 and up
-75	18815-00		CABLE ASSEMBLY - Fuel control	2	23-290 and up
-76	460 669		PLUG - (W/H 3152 x 2)	6	
-77	17904-00		LINE ASSEMBLY - Fuel	2	
	19988-00	D	LINE ASSEMBLY - Fuel	2	
-78	451 963		ARM - Fuel valve	2	

A - See Figure 55 for component parts breakdown.
 B - Used with standard fuel system installation.
 C - Used with auxiliary fuel system installation.
 D - Used if fuel pump #5623467 is installed.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
52-79	21125-03		LINE ASSEMBLY - Primer (10")	2	
-80	21503-03		LINE ASSEMBLY - Primer (2-3/8")	2	
-81	481 666		PUMP - Electric fuel	2	
-82	755 803		PLUNGER ASSEMBLY - (476 474)	1	
-83	751 857		GASKET - Plunger (475 126)	1	
-84	751 858		GASKET - Cover (475 594)	1	
-85	756 107		SCREEN - Filter (475 634)	1	
-86	751 556		SPRING CUP ASSEMBLY - (476 364)	1	
-87	756 108		SPRING - (475 127)	1	
-88	756 109		SCREW - (490 028)	3	
-89	751 872		GASKET - Cover (479 136)	1	
-90	751 799		SCREEN - Filter (479 135)	1	
-91	753 119		CUP VALVE - (479 132)	1	
-92	756 162		SEAL - "O" Ring (479 139)	1	
-93	753 193		WASHER - (479 138)	1	
-94	752 869		RETAINER - (479 137)	1	
-95	753 650		MAGNET - (479 012)	1	

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

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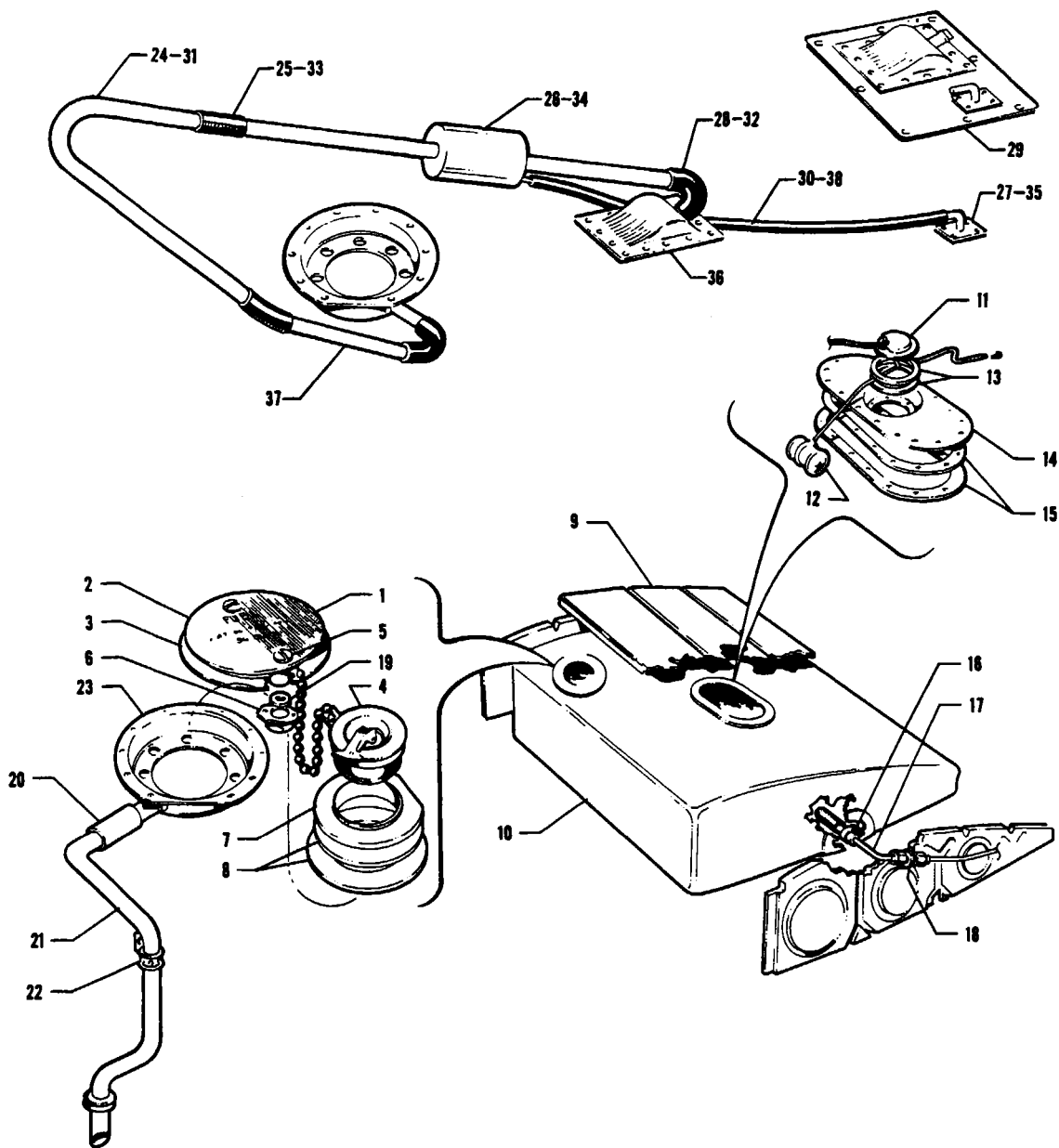


Figure 53. Fuel Cell Installation

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
53 -	17392		DRAWING - Fuel Cell Compartment Installation		
-1	17374-00 19049-02 19049-04	BD CD	PLATE ASSEMBLY - Fuel cell filler neck cover PLATE ASSEMBLY - Fuel cell filler neck cover PLATE ASSEMBLY - Fuel cell filler neck cover	2 2 2	23-1 to 23-634 and 23-637 23-636, 23-638 and up 23-1183 and up
-2	17374-06 19047-00		PLATE ASSEMBLY - Fuel cell filler neck cover PLATE ASSEMBLY - Fuel cell filler neck cover	1 1	23-1 to 23-634 and 23-637 23-636, 23-638 and up
-3	17374-03 19051-00		GASKET GASKET	1 1	23-1 to 23-634 and 23-637 23-636, 23-638 and up
-4	17672-00	D	CAP ASSEMBLY - Fuel cell	1	
-5	487 563 487 590		STUD STUD - (2600-5W)	2 1	23-1 to 23-634 and 23-637 23-636, 23-638 and up
-6	463 368 494 060		WASHER WASHER - (2600-LW)	2 1	23-1 to 23-634 and 23-637 23-636, 23-638 and up
-7	17368-00		NECK ASSEMBLY - Fuel cell filler	2	
-8	462 015		GASKET - (FCB-25719)	4	
-9	182 305	A	RUBATEX - (Fuel cell insulator)		
-10	454 321 454 320		CELL - Fuel, right CELL - Fuel, left	1 1	
-11	687 278	H	GAUGE ASSEMBLY - Electric fuel (tank unit)	2	
-12	33855-03	H	FLOAT ASSEMBLY - Fuel gauge	1	
-13	13002-00		GASKET - Electric fuel gauge	2	
-14	17768-00		PLATE ASSEMBLY - Fuel gauge mounting	2	
-15	462 014		GASKET - (FCB-25752)	4	
-16	454 921		CLAMP - (QS100-M10)	2	
-17	17943-01 17943-00		STRAINER ASSEMBLY - Finger, right fuel tank STRAINER ASSEMBLY - Finger, left fuel tank	1 1	
-18	491 051		UNION - (AN815-5D)	2	
-19	487 288 484 342	E F	SPRING - Fuel cover plate (A5-295) RECEPTACLE - Fuel cover plate (#212-12D)	4 2	
-20	82371-35 455 149		HOSE - Flexible (2" L) HOSE - Flexible (4" L)	2 2	
-21	17670-00 17670-01 19462-00	G G G	TUBE - Fuel cell vent, left (16") TUBE - Fuel cell vent, right (16") TUBE - Fuel cell vent (10")	1 1 2	
-22	454 892		CLAMP - Tinnerman (A3125-3-179)	2	
-23	19263-00 19263-01		PLATE ASSEMBLY - Filler neck mounting, left wing PLATE ASSEMBLY - Filler neck mounting, right wing	1 1	
-24	31008-00 31008-01		TUBE - Fuel cell vent, inboard, LH TUBE - Fuel cell vent, inboard, RH	1 1	
-25	16633-41		HOSE - Flexible, inboard	2	
-26	31074-00		TUBE ASSEMBLY - Fuel cell vent, inboard	2	
-27	31075-00		TUBE ASSEMBLY - Fuel cell vent drain, inboard	2	
-28	455 149		CONNECTION - Hose (#10135) inboard	2	
-29	31010-00		PLATE ASSEMBLY - Fuel cell access, inboard	2	

- A - Sold by the sheet 35-1/2" by 35-1/2"
- B - Used with 150 H.P. engines.
- C - Used with 160 H.P. engines.
- D - Cap 17672-00 not included with 19049-02 and 19049-04.
- E - Used with non-hinged filler neck cover plate.
- F - Used with hinged filler neck cover plate.
- G - If Kit 754 493 has been installed, see Note on page 180.
- H - See latest revision of Piper Service Spares Letter 406

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
53-30	83161-28		HOSE - Fuel cell vent, inboard	2	
-31	31007-00		TUBE - Fuel cell vent, outboard, LH	1	
	31007-01		TUBE - Fuel cell vent, outboard, RH	1	
-32	455 149		CONNECTION - Hose (#10135) outboard	4	
-33	16633-46		HOSE - Flexible, outboard	2	
-34	31074-00		TUBE ASSEMBLY - Fuel cell vent, outboard	2	
-35	31075-00		TUBE ASSEMBLY - Fuel cell vent drain, outboard	2	
-36	30988-00		VENT ASSEMBLY - Fuel cell vent, outboard	2	
-37	19995-00		TUBE - Fuel cell vent, outboard	2	
-38	83161-29		HOSE - Flexible, outboard	2	
<p>NOTE</p> <p>If fuel cell vent relocation Kit 754 493 has been installed, refer to Items 24 thru 38 inclusive.</p>					

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

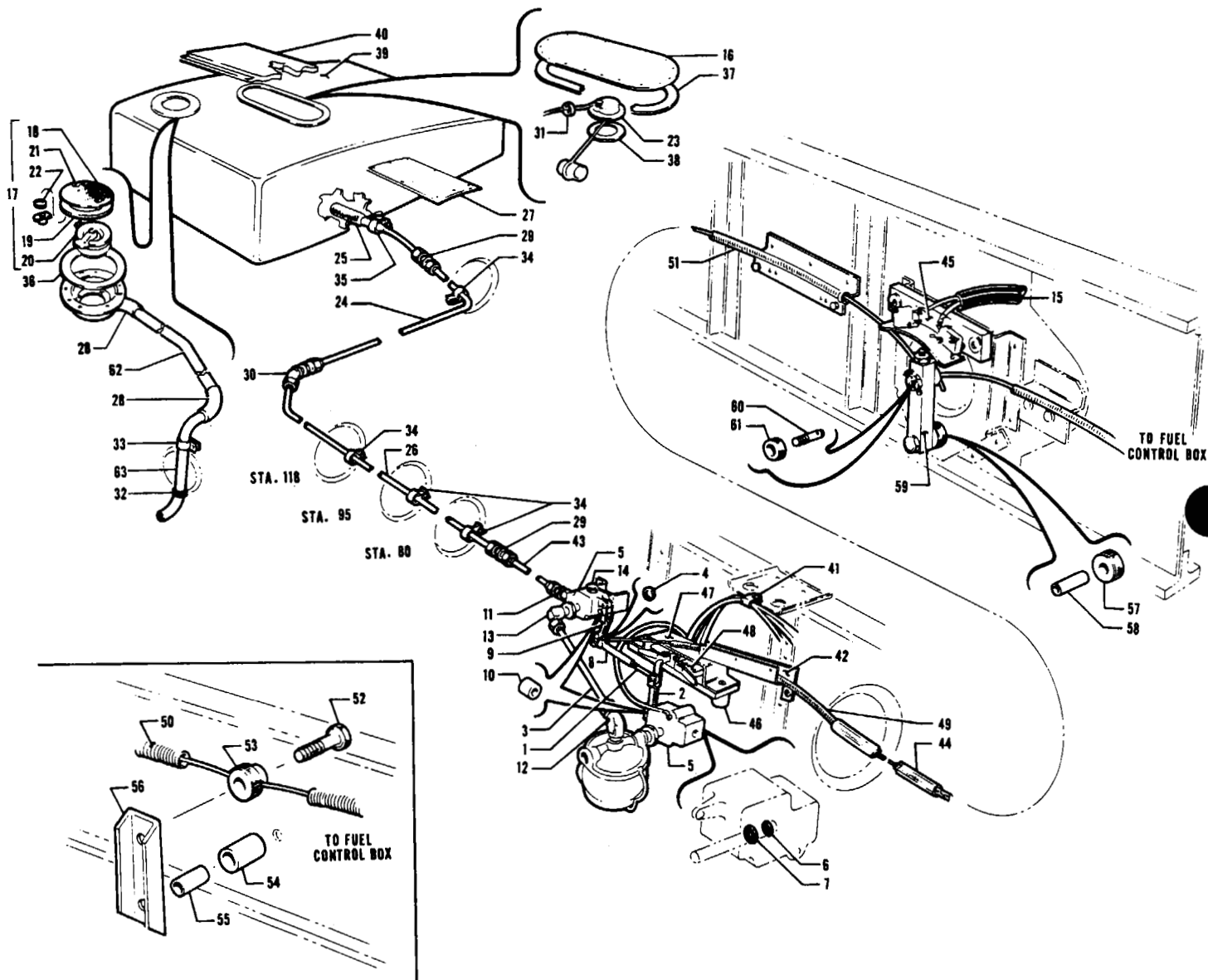


Figure 54. Auxiliary Fuel System Installation



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
54-	18623 18624		DRAWING - Auxiliary Fuel System Installation DRAWING - Auxiliary Fuel Cell Installation		
-1	13444-03		EYE - Turnbuckle	2	
-2	18590-00 18590-01		ARM ASSEMBLY - Fuel valve control, left ARM ASSEMBLY - Fuel valve control, right	1 1	
-3	18597-00		LINE ASSEMBLY - Auxiliary fuel cell	2	
-4	14175-48		BUSHING	2	
-5	492 051		VALVE ASSEMBLY - Fuel shut-off	4	
-6	752 741		PACKING - "O" Ring (MS-29513-6)	2	
-7	752 742		PACKING - "O" Ring (MS-29513-10)	1	
-8	18608-00		ROD - Auxiliary fuel valve connector	2	
-9	18593-00 18593-01		ARM ASSEMBLY - Auxiliary fuel valve, left ARM ASSEMBLY - Auxiliary fuel valve, right	1 1	
-10	18611-00		BUSHING	4	
-11	476 661		NIPPLE - (AN816-5D)	2	
-12	458 890		ELBOW - (AN823-5D)	2	
-13	458 896		ELBOW - (AN822-5D)	2	
-14	460 669		PLUG - (W/H 3152 x 2)	4	
-15	13586-24		TUBE - Plastic	2	
-16	17337-00		PLATE - Fuel cell access hole cover	2	
-17	17374-04 19049-03 19049-05	AC BC	PLATE ASSEMBLY - Auxiliary fuel cell filler neck cover PLATE ASSEMBLY - Auxiliary fuel cell filler neck cover PLATE ASSEMBLY - Auxiliary fuel cell filler neck cover	2 2 2	23-1 to 23-637 inclusive 23-636, 23-638 and up 23-1183 and up
-18	17374-06 19047-00		PLATE ASSEMBLY - Fuel cell filler neck cover PLATE ASSEMBLY - Fuel cell filler neck cover	1 1	23-1 to 23-635 and 23-637 23-636, 23-638 and up
-19	17374-03 19051-00		GASKET GASKET	1 1	23-1 to 23-635 and 23-637 23-636, 23-638 and up
-20	17672-00	C	CAP ASSEMBLY - Fuel cell	1	
-21	487 563 487 590		STUD STUD - (2600-5W)	2 1	23-1 to 23-635 and 23-637 23-636, 23-638 and up
-22	463 368 494 060		WASHER WASHER - (2600-LW)	2 1	23-1 to 23-635 and 23-637 23-636, 23-638 and up
-23	33855-04		GAUGE ASSEMBLY - Auxiliary fuel cell	2	
-24	18586-00		LINE ASSEMBLY - Auxiliary fuel cell	2	
-25	18587-00		STRAINER ASSEMBLY - Auxiliary fuel cell finger	2	
-26	18594-00		LINE ASSEMBLY - Auxiliary fuel cell	2	
-27	18605-00		PLATE - Auxiliary fuel cell access	2	
-28	82371-35 82371-46		HOSE - Flexible (2") HOSE - Flexible (3")	2 4	
-29	491 051		UNION - (AN815-5D)	4	
-30	458 911		ELBOW - (AN837-5D)	2	
-31	454 126		GROMMET - (AN931-3-5)	5	
-32	434 138		GROMMET - (AN931-10-14)	2	
-33	454 892		CLAMP - Tinnerman (A3125-3-179)	2	
-34	80032-71		CLAMP	8	
-35	454 921		CLAMP - Hose (#M-10)	2	

A - Used when 150 H.P. engines are installed.
B - Used when 160 H.P. engines are installed.
C - Cap 17672-00 not included with 19049-03 and 19049-05 assemblies.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
54-36	462 015		GASKET - (FCB 25719)	4	
-37	462 014		GASKET - (FCB 25752)	4	
-38	13002-00		GASKET - Fuel gauge	2	
-39	454 323		CELL - Auxiliary fuel, right	1	
	454 322		CELL - Auxiliary fuel, left	1	
-40	182 305		RUBATEX - Insulator (sold by the sheet 35 1/2" x 35 1/2")	1	
-41	454 954		CLAMP - Plastic #4	2	
-42	18739-01		GUIDE - Cable, right	1	
	18739-00		GUIDE - Cable, left	1	
-43	18691-00		LINE ASSEMBLY - Fuel	2	
-44	13586-23		TUBE - Plastic	2	
-45	18767-01		SWITCH - Auxiliary fuel gauge, right	1	23-290 and up
	18767-00		SWITCH - Auxiliary fuel gauge, left	1	23-290 and up
-46	18621-00		BLOCK - Switch support	2	23-160 to 23-162, 23-166 to 23-168, 23-170, 23-172, 23-174 23-177, 23-193 to 23-289 incl.
-47	18617-00		COVER - Switch	2	23-160 to 23-162, 23-166 to 23-168, 23-170, 23-172, 23-174 23-177, 23-193 to 23-289 incl.
-48	18618-01	A	SWITCH ASSEMBLY - Auxiliary fuel gauge, right	1	23-160 to 23-162, 23-166 to 23-168, 23-170, 23-172, 23-174 23-177, 23-193 to 23-289 incl.
	18618-00	A	SWITCH ASSEMBLY - Auxiliary fuel gauge, left	1	23-160 to 23-162, 23-166 to 23-168, 23-170, 23-172, 23-174 23-177, 23-193 to 23-289 incl.
-49	17819-03	B	CABLE ASSEMBLY - Fuel valve control	2	23-1 to 23-192 inclusive
-50	18745-03	B	CABLE ASSEMBLY - Fuel valve control	2	23-193 to 23-289 inclusive
-51	18816-00		CABLE ASSEMBLY - Fuel valve control	2	23-290 and up
-52	18744-00	C	STUD - Swivel	2	23-193 to 23-289 inclusive
-53	70371-02	C	SWIVEL	2	23-193 to 23-289 inclusive
-54	80022-77	C	BUSHING	2	23-193 to 23-289 inclusive
-55	80022-78	C	BUSHING	2	23-193 to 23-289 inclusive
-56	18826-00	C	ARM - Fuel control cable support	2	23-193 to 23-289 inclusive
-57	80022-75		BUSHING	2	23-290 and up
-58	80022-76		BUSHING	2	23-290 and up
-59	18782-00		ARM - Fuel control cable support	2	23-290 and up
-60	18790-00		STUD - Swivel	2	23-290 and up
-61	18791-00		SWIVEL	2	23-290 and up
-62	19293-00		TUBE - Filler neck drain	2	
-63	18584-00		TUBE - Auxiliary fuel cell vent, left (12-3/4")	1	
	18584-01		TUBE - Auxiliary fuel cell vent, right (12-3/4")	1	
	19270-00		TUBE - Auxiliary fuel cell vent, right (13-3/4")	1	
	19270-01		TUBE - Auxiliary fuel cell vent, left (13-3/4")	1	

A - This part not applicable on airplanes where auxiliary fuel system was installed in the field in accordance with Kit 750 058. See Item #45, Part No. 18767-00 and 18767-01.

B - This part not applicable on aircraft where auxiliary fuel system was installed in the field in accordance with Kit 754 058. See Item #51, part no. 18816-00.

C - These parts not applicable on aircraft where auxiliary fuel system was installed in the field in accordance with Kit 754 058. See Items 57, 58, 59, 60 and 61.

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

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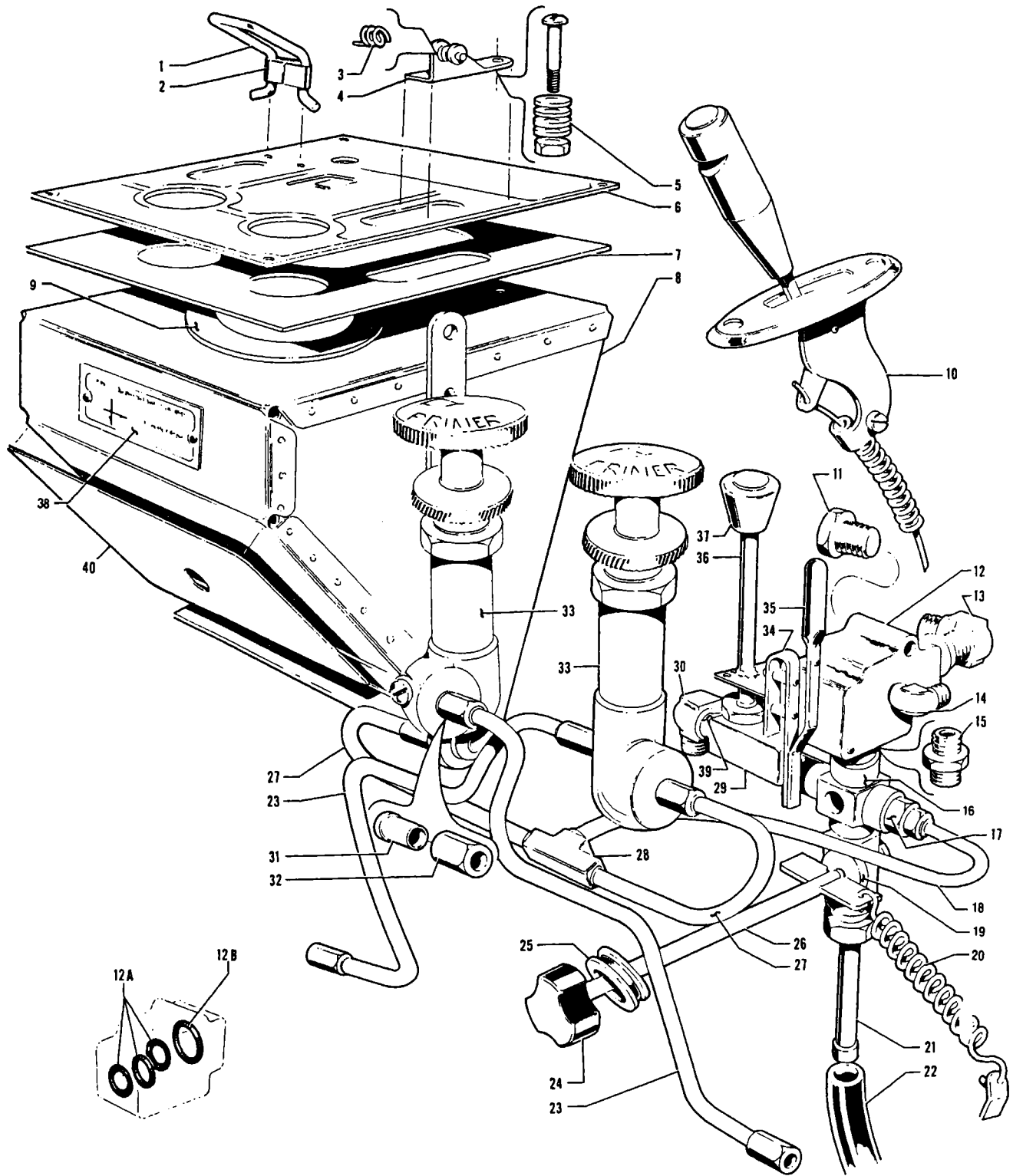


Figure 55. Fuel System Control Box



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
55-	17933	E	DRAWING - Fuel System Control Box Assembly		
	17933 M	F	DRAWING - Fuel System Control Box Assembly		
-1	SK577-2	A	SPRING - Fuel control valve lock	2	23-1 to 23-150 inclusive
-2	SK577-3	A	SUPPORT - Fuel control valve lock spring	2	23-1 to 23-150 inclusive
-3	83302-46	B	SPRING - Coil	2	23-151 and up
-4	18627-00	B	PLATE ASSEMBLY - Fuel valve lock, left hand	1	23-151 to 23-1870 inclusive
	18627-01	B	PLATE ASSEMBLY - Fuel valve lock, right hand	1	23-151 to 23-1870 inclusive
	16900-00	B	PLATE ASSEMBLY - Fuel valve lock, left hand	1	23-1871 and up
	16900-01	B	PLATE ASSEMBLY - Fuel valve lock, right hand	1	23-1871 and up
-5	81342-82	B	WASHER	2	23-151 and up
-6	17893-00		PLACARD - Fuel control box (brown) (used on airplanes with standard fuel system)	1	23-1 to 23-375 inclusive
	17893-03		PLACARD - Fuel control box (black) (used on airplanes with standard fuel system)	1	23-376 and up
	18560-00		PLACARD - Fuel control box (brown) (used on airplanes with auxiliary fuel system)	1	23-1 to 23-375 inclusive
	18560-03		PLACARD - Fuel control box (black) (used on airplanes with auxiliary fuel system)	1	23-376 and up
-7	18279-00		PLATE - Fuel system control box spacer	1	
-8	17934-00		BOX - Fuel system control	1	
-9	19513-35		WASHER	1	
-10	17819-00	C	CABLE ASSEMBLY - Fuel shut-off control (complete)	2	23-1 to 23-192 inclusive
	17819-03	BD	CABLE ASSEMBLY - Fuel shut-off control (complete)	2	23-1 to 23-192 inclusive
	18746-02	C	CABLE ASSEMBLY - Fuel shut-off control (lever end only)	2	23-193 to 23-289 inclusive
	18746-00	B	CABLE ASSEMBLY - Fuel shut-off control (lever end only)	2	23-193 to 23-289 inclusive
	18746-04	C	CABLE ASSEMBLY - Fuel shut-off control (lever end only)	2	23-290 and up
	18746-03	B	CABLE ASSEMBLY - Fuel shut-off control (lever end only)	2	23-290 and up
-11	460 669		PLUG - (W/H 3152 x 2)	1	
-12	492 050		VALVE ASSEMBLY - Fuel shut-off	1	
-12a	752 741		PACKING - "O" Ring	1	
-12b	752 742		PACKING - "O" Ring	2	
-13	458 890		ELBOW - (AN823-5D)	1	
-14	458 896		ELBOW - (AN822-5D)	1	
-15	476 655		NIPPLE - Brass	1	
-16	455 405		CROSS - (AN918-1D)	1	
-17	460 651		CONNECTOR - (W/H 200 x 2)	1	
-18	17935-00		LINE ASSEMBLY - Primer, inlet	1	
-19	17946-00		VALVE ASSEMBLY - Fuel drain	1	
-20	83302-13		SPRING - Coil	1	

A - Not used when auxiliary fuel cell installed.
 B - Used on airplanes with auxiliary fuel system.
 C - Used on airplanes with standard fuel system.
 D - This part not applicable on airplanes where auxiliary fuel system was installed in the field in accordance with Kit 754 058. See Item 10, part #18746-00.
 E - Used on PA-23-150, PA-23-160 with serial nos. 23-1 to 23-1976, 23-1978 to 23-1980, 23-1982, 23-1983 and 23-1988 to 23-2043.
 F - Used on PA-23-160 with serial nos. 23-1977, 23-1981, 23-1984 to 23-1987 and 23-2044 to 23-2046.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
55-21	451 857		ADAPTER - (AN840-4D)	1	
-22	13588-14		HOSE - Drain	1	
-23	17936-00		LINE ASSEMBLY - Primer, outlet	2	
-24	471 054		KNOB - Crossfeed drain (brown)	1	23-1 to 23-375 inclusive
	471 069		KNOB - Crossfeed drain (black)	1	23-376 and up
-25	434 128		GROMMET - (AN831-4-7)	1	
-26	17944-00	A	STEM - Fuel drain control	1	
	17944M	B	STEM - Fuel drain control	1	
-27	17937-00		LINE ASSEMBLY - Primer, inlet	2	
-28	460 652		TEE - (W/H 702 x 2)	1	
-29	17781-00		VALVE ASSEMBLY - Heater shutoff	1	23-1 to 23-1392 inclusive
	19460-00		VALVE ASSEMBLY - Heater shutoff	1	23-1393 and up
-30	458 893		ELBOW - (AN822-3D)	1	23-1 to 23-1392 inclusive
	460 681		ELBOW - (W/H 3500 x 2)	1	23-1393 and up
	476 647		NIPPLE - (AN816-3D)	1	23-1393 and up
-31	460 683		SLEEVE - (W/H W60 x 2) Compression	4	
-32	460 684		NUT - (S/H W61 x 2) Compression	4	
-33	451 103	V	PRIMER - Engine (K-2406-SAE-2)	2	
-34	17942-00		BRACKET - Fuel valve lever attachment	1	
-35	17941-00		LEVER ASSEMBLY - Fuel crossfeed valve	1	
-36	17780-00		CONTROL ASSEMBLY - Heater fuel	1	
-37	471 054		KNOB - Heater fuel control (brown)	1	23-1 to 23-375 inclusive
	471 069		KNOB - Heater fuel control (black)	1	23-376 and up
-38	17992-00		PLACARD - Fuel drain control (brown)	1	23-1 to 23-375 inclusive
	17992-02	C	PLACARD - Fuel drain control (black)	1	
	17992M	B	PLACARD - Fuel drain	1	
-39	19423-00		CLAMP - Safety, heater shutoff valve, rectangular	1	23-1 to 23-1392 inclusive
-40	19238-00	A	PLATE - Fuel control box access	1	
	19238-M	B	PLATE - Fuel control box access	1	

A - Used on PA-23-150 and PA-23-160 with serial nos. 23-1 to 23-1976, 23-1978 to 23-1980, 23-1982, 23-1983 and 23-1988 to 23-2043.

B - Used on PA-23-160 with serial nos. 23-1977, 23-1981, 23-1984 to 23-1987 and 23-2044 to 23-2046.

C - Used on PA-23-150 and PA-23-160 with serial nos. 23-376 to 23-1976, 23-1978 to 23-1980, 23-1982, 23-1983 and 23-1988 to 23-2043 inclusive.

V - These parts must be ordered from Service Spares Department, Piper Aircraft Corporation, Vero Beach, Florida.

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

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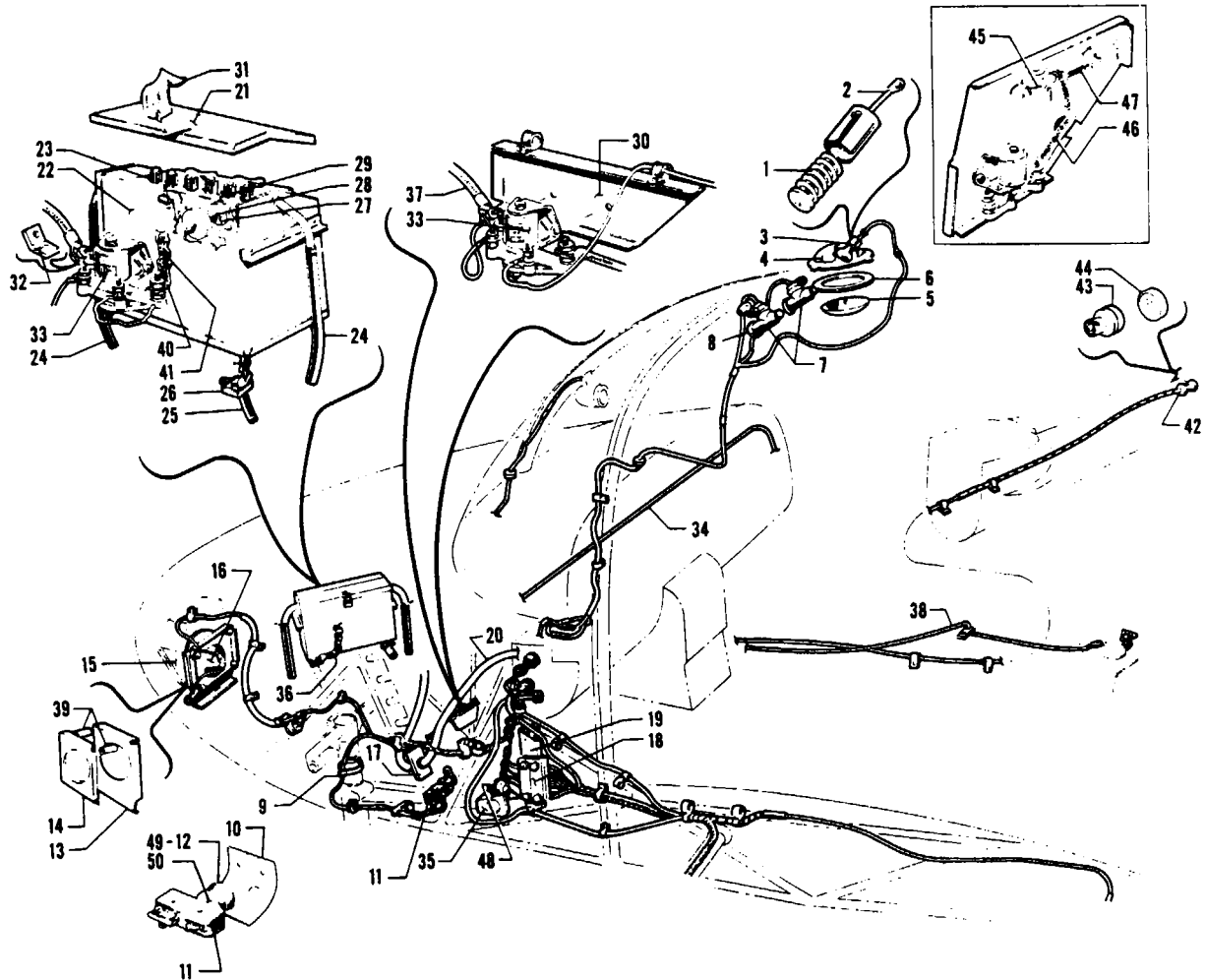


Figure 56. Fuselage Electrical Installation



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
56-	18276		DRAWING - Electrical System Installation		
-1	83302-15		SPRING - Coil	1	
-2	18477-02		WIRE ASSEMBLY - Socket	1	
-3	472 036		LAMP - (89)	1	
-4	12716-00		REFLECTOR ASSEMBLY - Dome light	1	
-5	472 330		LENS - Dome light (12715-00)	1	
-6	17680-00		PLATE - Dome light trim	1	
-7	472 658		LIGHT - Spot, instrument panel	2	
-8	752 310		LENS - Spotlight, red	1	
-9	17766-03		CLAMP - Wire support	1	
-10	17807-00		GUARD - Limit switch	2	
-11	487 805		SWITCH ASSEMBLY - Down limit	1	
-12	752 938		SEAL - Microswitch	1	
-13	17974-00		BRACKET - Landing light rear support	1	23-1 to 23-1163 inclusive
	19324-00		BRACKET - Landing light rear support	1	23-1164 and up
-14	17975-00		BRACKET - Landing light front support	1	23-1 to 23-1163 inclusive
	19323-00		BRACKET - Landing light front support	1	23-1164 and up
-15	17973-00		SCOOP ASSEMBLY - Air intake	1	23-1 to 23-1163 inclusive
-16	472 661		LIGHT - Landing (100 watt)	1	23-1 to 23-1163 inclusive
	472 654		LIGHT - Landing (250 watt)	1	23-1164 and up
-17	17751-00		PLATE - Starter cable support	1	23-1 to 23-746 inclusive
-18	455 155		STRIP - Connector	2	
-19	16335-00		PLATE ASSEMBLY - Terminal block mounting, left	1	
	16335-01		PLATE ASSEMBLY - Terminal block mounting, right	1	
-20	14226-08		WIRE ASSEMBLY - Aluminum starter switch	1	23-1 to 23-101 inclusive
	14226-12		WIRE ASSEMBLY - Aluminum starter switch	1	23-102 to 23-746 inclusive
-21	17566-00		LID ASSEMBLY - Battery box	1	
-22	17564-00		BOX ASSEMBLY - Battery	1	
-23	450 035		BATTERY - (12 volt) (R-33)	1	
-24	13586-07		TUBE - Plastic	2	
-25	13586-08		TUBE - Plastic	1	
-26	454 925		CLAMP - Battery drain tube	1	
-27	81342-56		WASHER	1	
-28	14069-00		TERMINAL ASSEMBLY - Battery box	1	
-29	17555-00		PLATE - Battery box insulator	1	
-30	18657-00		PLATE ASSEMBLY - Solenoid, mounting	1	23-102 to 23-746 inclusive
	19167-00		PLATE ASSEMBLY - Solenoid, mounting	1	23-747 and up
-31	14072-00		TAG - Battery box service instruction	1	
-32	18487-00		LUG - Terminal	1	23-1 to 23-101 inclusive
-33	455 151		CONTACTOR - Solenoid	1	
-34	14226-06		WIRE ASSEMBLY - Starter, switch	1	23-1 to 23-746 inclusive
-35	17685-00		BRACKET - Limit switch mounting	1	
-36	13586-18		TUBE - Plastic, battery ground cable	1	23-102 and up
-37	18654-00		WIRE ASSEMBLY - Battery to solenoid	1	23-102 and up
-38	81262-60		LINK - Flap indicator wire attachment	1	
-39	86102-32		BUSHING	2	23-1 to 23-1163 inclusive
-40	13586-13		TUBE - Plastic	1	23-1 to 23-101 inclusive
-41	17604-05		CABLE ASSEMBLY	1	23-1 to 23-101 inclusive
-42	472 667		LIGHT - White, tail	1	
-43	751 382		BULB - (G.E. 93)	1	
-44	751 203		LENS - White	1	
-45	487 149		SOLENOID - (001464)	2	23-747 and up

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
56-46	19175-02		CABLE ASSEMBLY - Solenoid	1	23-747 and up
-47	19175-03		CABLE ASSEMBLY - Solenoid	1	23-747 and up
-48	487 806		SWITCH - Micro (BZ-7RQ31T1) up limit	1	23-1 to 23-746 inclusive
	487 810		SWITCH - Micro (DT-2R-A7) up limit	1	23-747 and up
-49	752 938		SEAL - Microswitch	1	
-50	404 820		NUT - (USAF 356-820)	2	

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

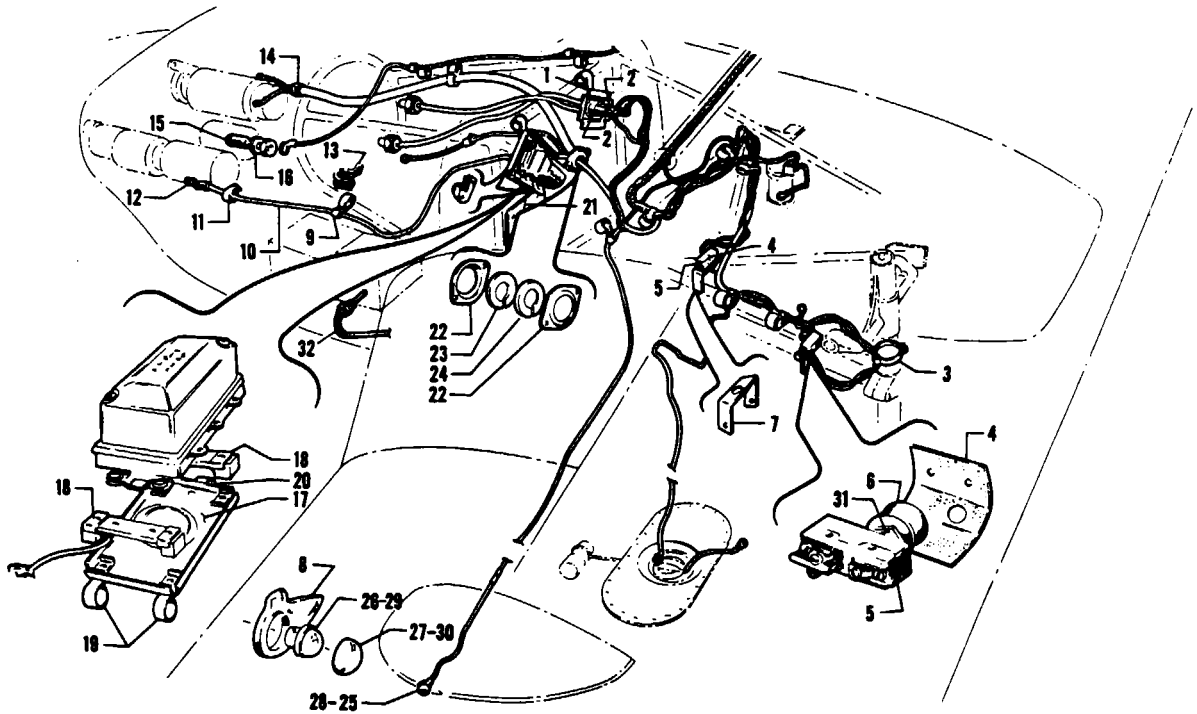


Figure 57. Wing Electrical Installation

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
57-	18275		DRAWING - Electrical System Installation		
-1	14311-37		BOX ASSEMBLY - Magneto filter, left	1	23- 147 and up
	14311-38		BOX ASSEMBLY - Magneto filter, right	1	23- 147 and up
-2	18446-00		FILTER - Magneto	4	23-1 to 23-146 inclusive
	460 634		FILTER - Magneto	4	23-147 and up
-3	17756-03		CLAMP - Wire support	2	
-4	17807-00		GUARD - Limit switch	4	
-5	487 805		SWITCH ASSEMBLY - Limit	4	
-6	752 938		* SEAL - Microswitch	1	
-7	17690-00		BRACKET - Limit switch support	2	
-8	17806-00		REFLECTOR - Navigation light	2	
-9	454 902		CLIP - Nyloc (Type 3)	2	
-10	14226-07		CABLE ASSEMBLY - Starter, left	1	23-1 to 23-746 inclusive
	14226-06		CABLE ASSEMBLY - Starter, right	1	23-1 to 23-746 inclusive
	14226-15		CABLE ASSEMBLY - Starter, left	1	23-747 and up
	14226-14		CABLE ASSEMBLY - Starter, right	1	23-747 and up
-11	80032-68		CLAMP - Starter harness	2	
-12	488 347		TERMINAL	2	
-13	17604-04		CABLE ASSEMBLY - Ground	2	
-14	80032-68		CLAMP- Generator harness	1	
-15	553 672	B	SENDER - Oil temperature	2	
-16	462 012		GASKET - Oil temperature sender	2	
-17	18483-00		PLATE - Voltage regulator, mounting	1	23-1 to 23-523 inclusive
-18	470 648		KIT - Voltage regulator shock mount	1	
-19	80032-79		CLAMP	2	23-1 to 23-523 inclusive
-20	80032-78		CLAMP	1	23-1 to 23-523 inclusive
-21	18332-00		PLATE ASSEMBLY - Voltage regulator access	1	23-1 to 23-523 inclusive
	18818-00		PLATE ASSEMBLY - Voltage regulator access	1	23-524 and up
-22	18321-00		PLATE - Firewall seal disc mounting	4	
-23	18320-02		DISC - Firewall seal, forward	2	
-24	18320-07		DISC - Firewall seal, aft	2	
-25	472 666		LIGHT - Green, right wing	1	
-26	751 381		* BULB - (#1512)	1	
-27	751 201		* LENS- Green	1	
-28	472 665		LIGHT - Red, left wing	1	
-29	751 381		* BULB - (#1512)	1	
-30	751 202		* LENS- Red	1	
-31	404 820	A	NUT - (USAF 356-820)	4	
-32	453 652		BULB - Resistance, carburetor ice temp (#50B2)	2	23-920 and up

A - Used with limit switch BZ-7RQ31T1 or DT-2R-A7.
B - See latest revision of Piper Service Spares Letter 406.

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

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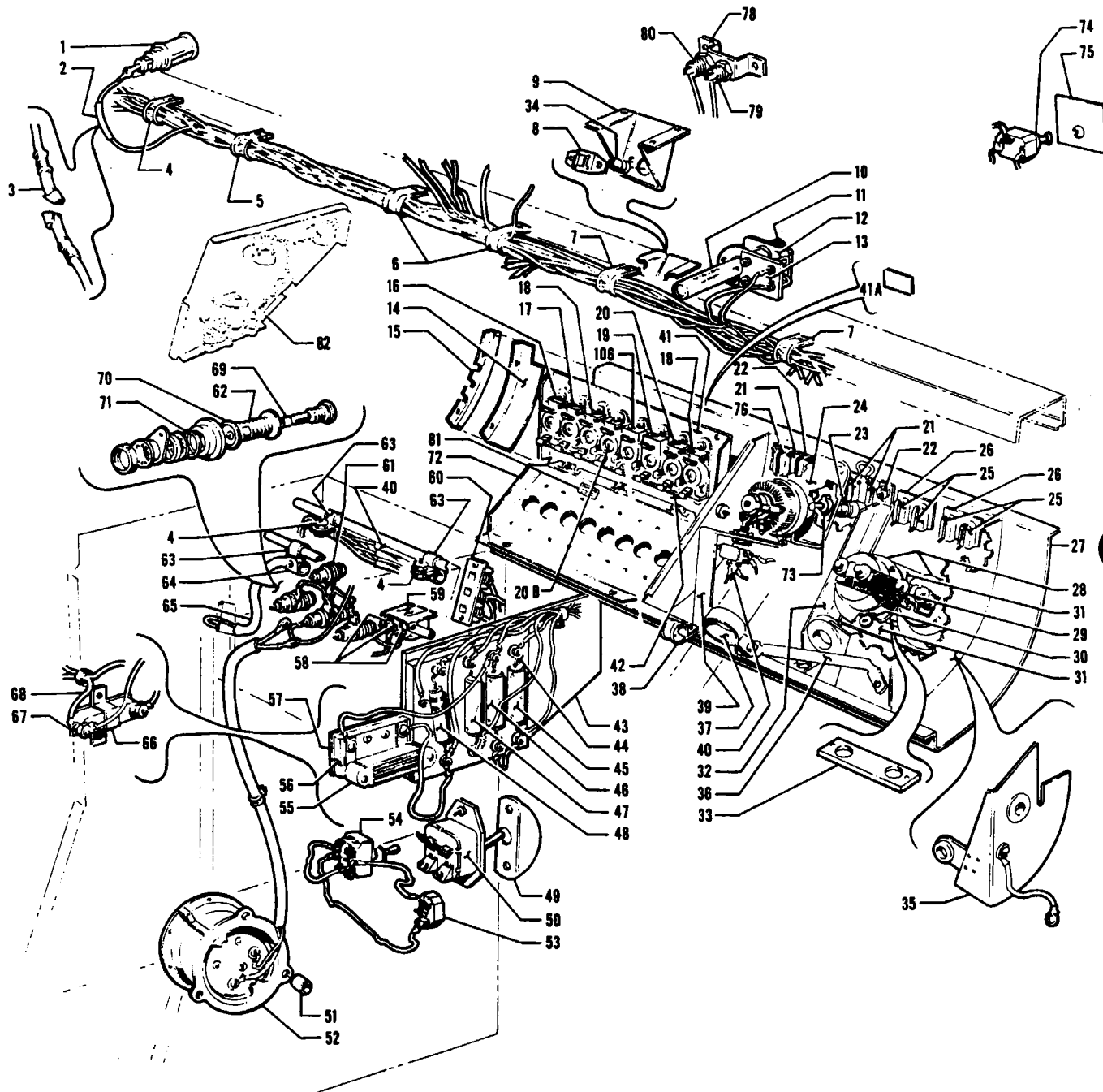


Figure 58. Instrument Panel Electrical Installation



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
58-	18167 19165 19538		DRAWING - Fuselage Harness Installation DRAWING - Fuselage Harness Installation DRAWING - Fuselage Harness Installation		23-1 to 23-746 inclusive 23-747 to 23-1501 inclusive 23-1502 and up
-1	472 668		LIGHTER	1	
-2	90797-06		SLEEVE - Insulating	1	
-3	488 364		TERMINAL	1	
-4	454 954		CLAMP - Plastic (#4)	3	
-5	454 930		CLAMP - Plastic (#6)	3	
-6	454 930		CLAMP - (A4980S-6-91)	2	
-7	454 960		CLAMP - Plastic (#10)	2	
-8	454 070		CATCH - Tinnerman (A6273-020-1)	1	
-9	17654-00		CATCH - Circuit breaker door	1	
-10	18429-00		THERMOSWITCH - Heater	1	23-1 to 23-375 inclusive
	18774-00		SWITCH - Heater, control	1	23-376 and up
-11	18547-00		KNOB - Heater switch, brown	1	23-1 to 23-375 inclusive
	471 068		KNOB - Heater switch, black	1	23-376 and up
-12	18413-00	A	PLACARD - Heater thermoswitch, brown	1	23-1 to 23-375 inclusive
	18761-00		PLACARD - Heater thermoswitch, black	1	23-376 and up
-13	18088-00		BLOCK - Thermoswitch terminal	1	23-1 to 23-375 inclusive
-14	17657-00		BULKHEAD - Instrument panel roll	1	
-15	17653-00		ANGLE - Instrument panel roll	1	23-1 to 23-746 inclusive
	17653-02		ANGLE - Instrument panel roll	1	23-747 and up
-16	454 651		CIRCUIT PROTECTOR - (Spencer) PSM20	1	23-1 to 23-1683 inclusive
	454 659		CIRCUIT PROTECTOR - (Wood) 2320	1	23-1684 and up
-17	454 652		CIRCUIT PROTECTOR - (Spencer) PSM25	1	23-1 to 23-1683 inclusive
	454 660		CIRCUIT PROTECTOR - (Wood) 2325	1	23-1684 and up
-18	454 649		CIRCUIT PROTECTOR - (Spencer) PSM10	1	23-1 to 23-1683 inclusive
	454 657		CIRCUIT PROTECTOR - (Wood) 2310	1	23-1684 and up
-19	454 648		CIRCUIT PROTECTOR - (Spencer) PSM5	2	23-1 to 23-1683 inclusive
	454 656		CIRCUIT PROTECTOR - (Wood) 235	2	23-1684 and up
-20	454 654		CIRCUIT PROTECTOR - (Spencer) PSM35	1	23-1 to 23-1683 inclusive
	454 662		CIRCUIT PROTECTOR - (Wood) 2350	1	23-1684 and up
-20a	454 650		CIRCUIT PROTECTOR - (Spencer) PSM15	2	23-1 to 23-1683 inclusive
	454 658		CIRCUIT PROTECTOR - (Wood) 2315	2	23-1684 and up
-20b	454 653		CIRCUIT PROTECTOR - (Spencer) PSM30	1	23-1 to 23-1683 inclusive
	454 661		CIRCUIT PROTECTOR - (Wood) 2330	1	23-1684 and up
-21	487 790		SWITCH - Toggle, turn and bank and fuel pump (#110-S-73)	3	
-22	18146-02		PLATE - Switch mounting	2	
-23	18492-00		RHEOSTAT	1	
-24	17665-00		BRACKET - Rheostat mounting	1	23-1 to 23-122 inclusive
	18558-00		BRACKET - Rheostat mounting	1	23-123 and up
-25	487 791		SWITCH - Toggle, magneto (110-SH-73)	4	23-1 to 23-746 inclusive
	487 809		SWITCH - Toggle, magneto (8295K8)	4	23-747 and up
-26	18146-03		PLATE - Switch mounting	2	
-27	17662-00		ROLL ASSEMBLY - Instrument panel	1	23-1 to 23-746 inclusive
	19173-00		ROLL ASSEMBLY - Instrument panel	1	23-747 and up
-28	17648-00	B	SWITCH ASSEMBLY - Starter	2	23-1 to 23-746 inclusive

A - Before ordering this part for airplanes, serial numbers 23-2, 23-11, 23-17 to 23-44 inclusive, check for compliance with Service Letter #236.
B - Order starter switch 487 811 if Starter Switch Replacement Kit 756 972 has been installed.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
58-29	17604-02		CABLE ASSEMBLY - Starter switch	1	23-1 to 23-746 inclusive
-30	85012-92		WASHER	4	23-1 to 23-746 inclusive
-31	17651-00		ANGLE - Starter switch	2	23-1 to 23-746 inclusive
-32	17650-00		ANGLE - Starter switch	2	23-1 to 23-746 inclusive
-33	18150-00		GUIDE - Starter button	1	23-1 to 23-746 inclusive
-34	487 537		STUD - (P116-473-6-24A)	1	
-34a	17897-00		PLACARD - Circuit breaker, brown	1	
	17897-03		PLACARD - Circuit breaker, black	1	
-35	17753-00		PLATE ASSEMBLY - Wire support, left	1	23-1 to 23-746 inclusive
	17753-04		PLATE ASSEMBLY - Wire support, left	1	23-747 to 23-1870 inclusive
	17753-05		PLATE ASSEMBLY - Wire support, left	1	23-1871 and up
-36	17737-00		TUBE - Brace	1	
-37	80002-53		CLAMP - Round	1	
-38	454 920		CLAMP - Plastic (#7)	1	
-39	17755-00		BRACKET - Rheostat support	1	23-1 to 23-122 inclusive
	18559-00		BRACKET - Rheostat support	1	23-123 and up
	30284-00	D	BRACKET - Rheostat support	1	
-40	487 790		SWITCH - Landing light (100 watt) (#110-S-73)	1	23-1 to 23-1163 inclusive
	487 816		SWITCH - Landing light (250 watt) (#2FA54-73)	1	23-1164 and up
-41	17660-00		PANEL - Circuit protector	1	23-1 to 23-160 inclusive
	18633-00		PANEL - Circuit protector	1	23-161 to 23-1683 inclusive
	16447-00	E	PANEL - Circuit protector	1	
	16447 M	F	PANEL - Circuit protector	1	
-41a	23-2107-5	F	PLACARD - Turn and bank circuit protector	1	
-42	17652-00		BUSS ASSEMBLY - Circuit breaker	1	23-1 to 23-160 inclusive
	17652-02		BUSS ASSEMBLY - Circuit breaker	1	23-161 to 23-746 inclusive
	17652-04		BUSS ASSEMBLY - Circuit breaker	1	23-747 to 23-1501 inclusive
	19536-00		BUSS ASSEMBLY - Circuit breaker	1	23-1502 and up
-43	17689-00		PLATE - Resistor panel insulator	1	
-44	17688-00		PANEL - Resistor mounting	1	
-45	484 382		RESISTOR - (40 OHM)	1	
-46	484 383		RESISTOR - (75 OHM)	1	
-47	484 381		RESISTOR - (50 OHM)	1	23-1 to 23-1222 inclusive
-48	484 380		RESISTOR - (100 OHM)	1	
-49	18089-00		GUARD - Master switch	1	
-50	487 793	A	SWITCH - Master (#8701-K8)	1	
-51	14175-06		BUSHING	3	
-52	465 162		HORN - Warning, landing gear	1	
-53	487 794	B	SWITCH - Heater, single pole (#8809-K7)	1	23-2, 23-11, 23-17 to 23-44 incl.
-54	487 795	B	SWITCH - Heater, double pole (#8824-K5)	1	23-2, 23-11, 23-17 to 23-44 incl.
-55	460 901	C	FLASHER - Landing gear indicator	1	

A - See Figure 60, Item 5 when dual generator system is installed.
 B - If Kit 754 050 has been installed, see Item #10.
 C - For airplanes 23-1 to 23-98, use one each 452 897 and one each 18493-00.
 D - Optional equipment on 12 Volt system.
 E - Used on PA-23-150, PA-23-160 with serial nos. 23-1684 to 23-1976, 23-1978 to 23-1980, 23-1982, 23-1983 and 23-1988 to 23-2043.
 F - Used on PA-23-160 with serial nos. 23-1977, 23-1981, 23-1984 to 23-1987 and 23-2044 to 23-2046.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
58-56	452 897		BLOCK - (#4753)	1	23-99 and up
-57	18493-00		PLATE - Flasher insulator	1	23-99 and up
-58	487 789		SWITCH - Micro, flasher and horn (AN3234-2)	3	
-59	18418-00		PLATE - Throttle switch actuator	1	
-60	488 421		BLOCK - (AN3436-2-3)	1	
-61	472 694		LIGHT ASSEMBLY - (Less lens)	4	
-62	472 333		LENS - Gear indicator, green	3	
	472 332	B	LENS - Gear indicator, amber	1	
	472 334	C	LENS - Gear indicator, red	1	
-63	454 929		CLAMP - Tinnerman (A4980S-4-91)	3	
-64	454 952		CLAMP - (#2)	1	
-65	90797-23		SLEEVE	1	
-66	18436-00		CLAMP - Square	1	23-1 to 23-98 inclusive
-67	455 157		CONNECTOR - Bullet	2	23-1 to 23-98 inclusive
-68	13945-32		STRIP - Rubber	1	23-1 to 23-98 inclusive
-69	472 037		LAMP - Indicator, gear	4	
-70	18360-00		BUSHING - Indicator light	4	
-71	80122-74		WASHER	4	
-72	18634-00		PANEL - Circuit protector mounting	1	
-73	17457-04		KNOB - Plastic, brown	1	23-1 to 23-375 inclusive
	471 068		KNOB - Plastic, black (M88010-4)	1	23-376 and up
-74	487 811	D	SWITCH - Starter (#8857K25)	1	23-747 and up
-75	19136-00	D	PLACARD - Starter switch, black	1	23-747 and up
-76	17652-06		BUS ASSEMBLY - Circuit breaker	1	23-747 and up
-77	19857-00	A	RHEOSTAT ASSEMBLY - Instrument panel lights	1	
-78	30012-00	A	BRACKET - Instrument light jack mounting	2	
-79	468 007	A	JACK - Instrument light (108-902)	2	
-80	468 008	A	JACK - Instrument light (108-903)	2	
-81	32287-00	D	PLACARD - Circuit protector (757 300)	1	
-82	19176-03	D	SOLENOID AND BRACKET ASSEMBLY (Complete)	1	

A - Optional equipment on 12 Volt system.
 B - Used on PA-23-150 and PA-23-160 with serial numbers 23-1 to 23-1976, 23-1978 to 23-1980, 23-1982, 23-1983 and 23-1988 to 23-2043.
 C - Used on PA-23-160 with serial numbers 23-1977, 23-1981, 23-1984 to 23-1987 and 23-2044 to 23-2046.
 D - Used on serial numbers 23-1 to 23-746 inclusive if Starter Switch Replacement Kit 756 972 has been installed.

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

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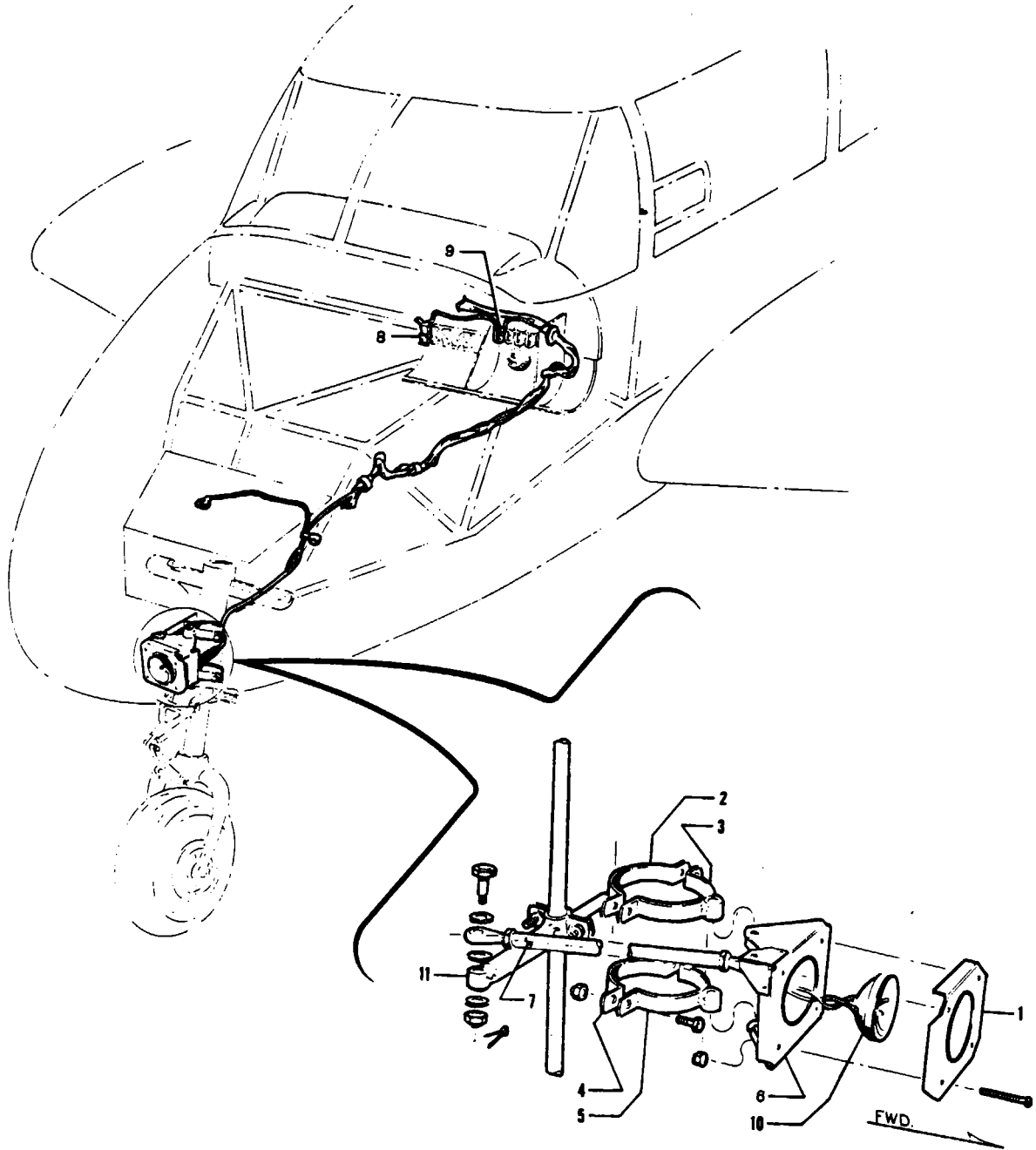


Figure 59. Taxi Light Installation

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Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
59-	19170		DRAWING - Taxi Light Installation		
-1	17975-00		BRACKET - Light mounting	1	
-2	19130-00		CLAMP - Taxi light upper mounting	1	
-3	19131-00		CLAMP - Taxi light upper mounting	1	
-4	19132-00		CLAMP - Taxi light lower mounting	1	
-5	19133-00		CLAMP - Taxi light lower mounting	1	
-6	19134-00		BRACKET ASSEMBLY - Taxi light mounting	1	
-7	19169-00		ROD ASSEMBLY - Taxi light steering	1	
-8	454 651		CIRCUIT PROTECTOR - (PSM20)	1	
-9	487 790		SWITCH - Toggle (110-S-73) landing light	1	
-10	472 661		LIGHT - (100 Watt) (#4509)	1	
-11	19241-00		ADAPTER ASSEMBLY - Taxi light steering rod	1	

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

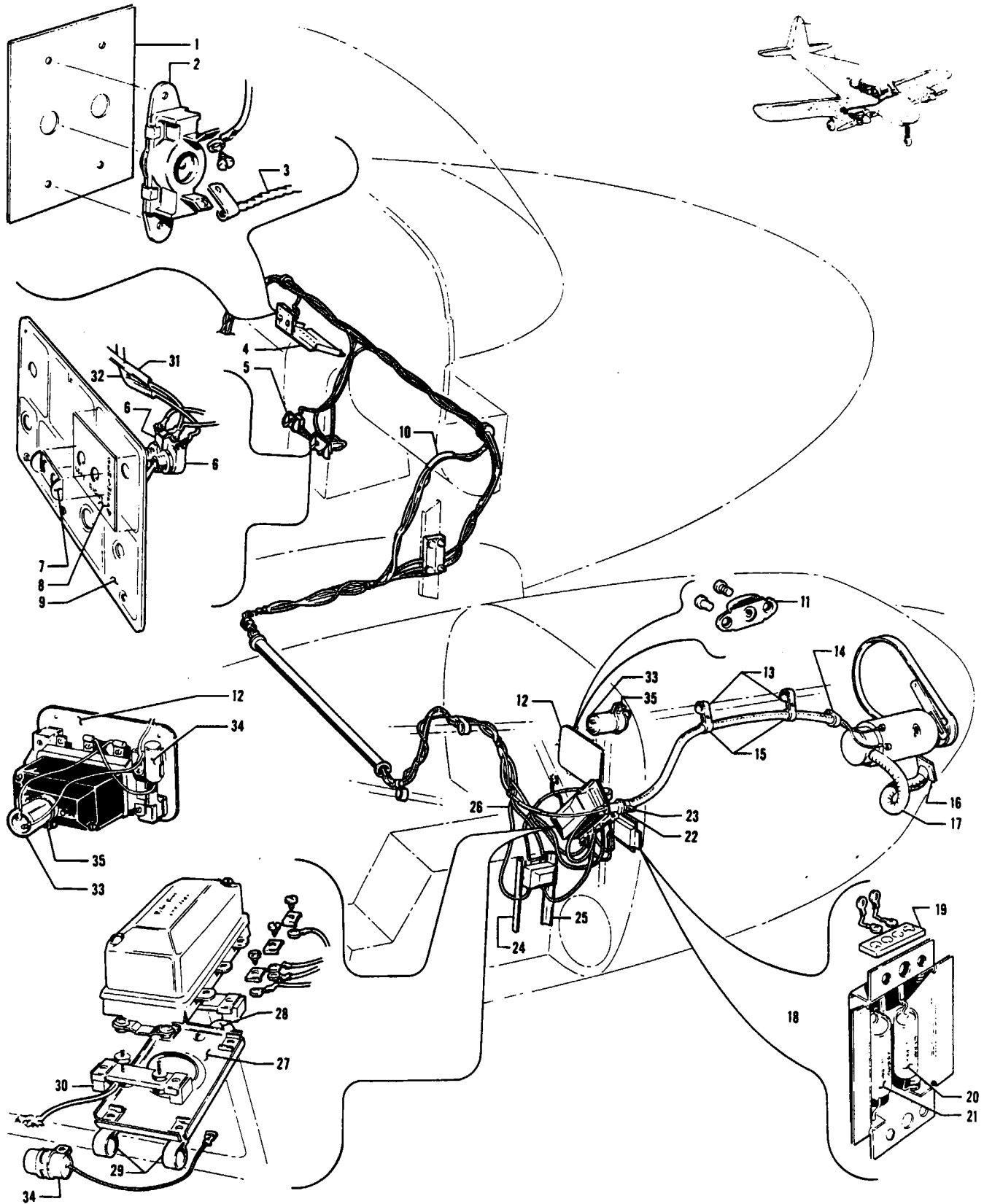


Figure 60. Dual Generator Installation



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
60-	18486 18475		DRAWING - Dual Generator Installation DRAWING - Wiring Diagram		
-1	18402-00		PLACARD - Circuit breaker	1	23-1 to 23-160 inclusive
-2	454 654		CIRCUIT PROTECTOR - (PSM35)	1	
-3	18472-00		BUSS ASSEMBLY - Circuit breaker	1	23-1 to 23-160 inclusive
-4	18634-00		PANEL - Circuit breaker mounting	1	
-5	487 803		SWITCH - (#8740K9) Master	1	
-6	487 790		SWITCH - (#110-S-73)	2	
-7	18519-00		GUARD - Switch	1	
-8	18515-00		PLACARD - Switch, brown	1	23-1 to 23-375 inclusive
	18515-02		PLACARD - Switch, black	1	23-376 and up
-9	17894-03		PLACARD - Heater control, brown	1	23-1 to 23-375 inclusive
	18867-03		PLACARD - Heater control, black	1	23-376 to 23-746 inclusive
	19065-03		PLACARD - Heater control, black	1	23-747 and up
-10	90797-08		SLEEVE - Insulator	3	
-11	406 825		NUT - Anchor (#3600-2-02-BC)	6	
-12	18818-00		PLATE ASSEMBLY - Voltage regulator mounting	2	
-13	454 886		CLAMP - Tinnerman (A4886-10-24)	2	
-14	80032-68		CLAMP	1	
-15	454 885		CLAMP - Tinnerman (A4886-8-24)	2	
-16	11280-00		TAKE-OFF ASSEMBLY - Air	1	
-17	10525-51	A	HOSE - Air blast generator	1	
-18	18362-00		BOX ASSEMBLY - Filter	2	23-1 to 23-195 inclusive
-19	488 431		STRIP - Terminal	1	23-1 to 23-195 inclusive
-20	454 042		CAPACITOR - (1 MFD)	1	23-1 to 23-195 inclusive
-21	454 044		CAPACITOR - (500 MFD)	1	23-1 to 23-195 inclusive
-22	18459-00		FERRULE ASSEMBLY	1	
-23	80002-07		CLAMP	1	
-24	18470-00		ANGLE - Relay support, rear	1	
-25	18470-00		ANGLE - Relay support, front	1	
-26	90797-06		SLEEVE - Insulator	1	
-27	18483-00		PLATE - Voltage regulator mounting	1	23-1 to 23-523 inclusive
-28	80032-78		CLAMP	1	23-1 to 23-525 inclusive
-29	80032-79		CLAMP	2	23-1 to 23-523 inclusive
-30	470 648		MOUNT - Voltage regulator shock	1	
-31	90797-50		SLEEVE - Insulator	1	
-32	90797-51		SLEEVE - Insulator	1	
-33	454 064		CAPACITOR - (HLV525)	1	23-196 to 23-807 inclusive
-34	454 083		CAPACITOR - (AR-1)	1	23-196 and up
-35	454 874		CLAMP - (CMC22)	1	23-196 to 23-807 inclusive

A - Two clamps (454 870) are required to install this hose in place of metal flexible air blast tube.

NOTE

Voltage regulator, relay, generator and attachments not available through Piper Aircraft Corporation, secure from Lycoming, Division-Avco Corporation, Williamsport, Pennsylvania.

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

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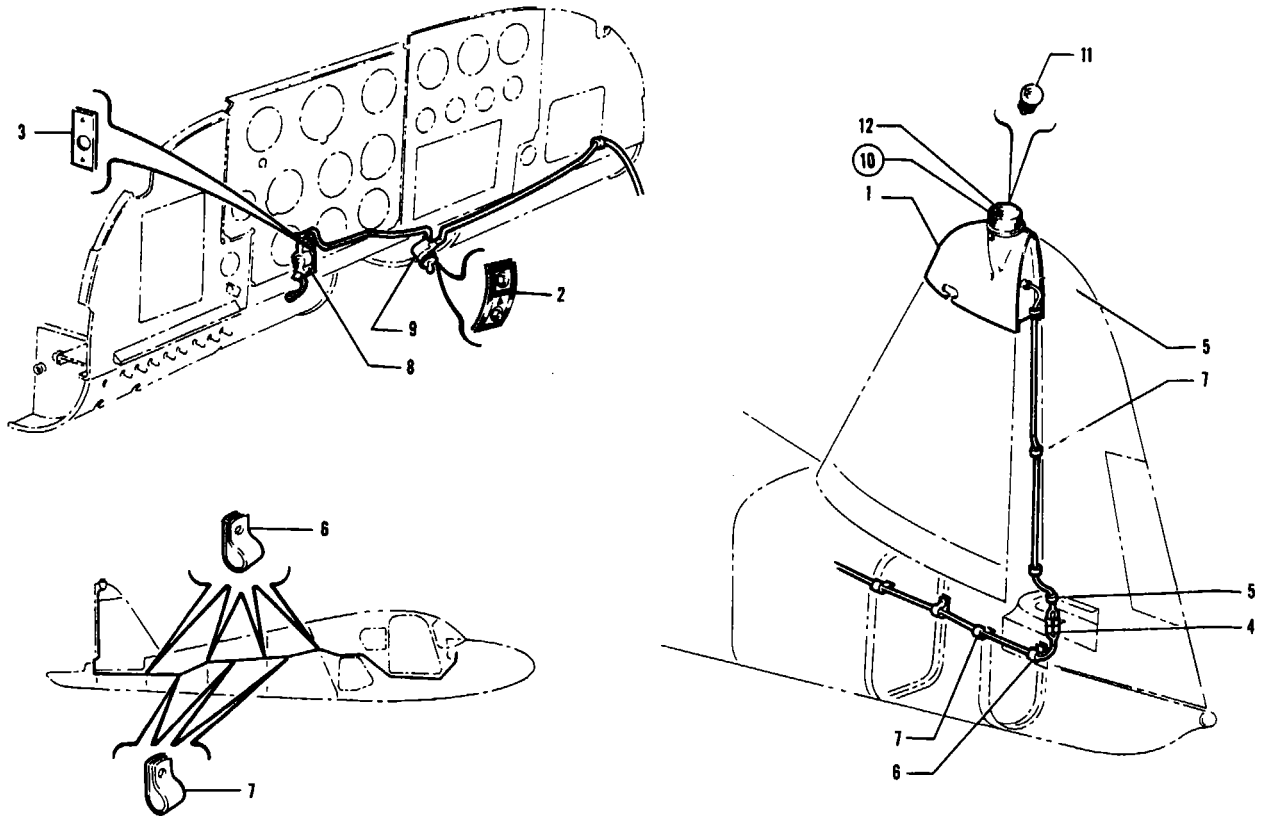


Figure 61. Rotating Beacon Installation

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
61-	18714		DRAWING - Rotating Beacon Installation		
-1	18701-00		TIP ASSEMBLY - Fin, rotating beacon	1	
-2	18716-00		PLACARD - Switch, brown	1	23-1 to 23-375 inclusive
	18716-03		PLACARD - Switch, black	1	23-376 and up
-3	18719-00		PLACARD - Rotating beacon circuit protector	1	
-4	90797-05		SLEEVE - Insulation	2	
-5	434 129		GROMMET - (AN931-5-9)	2	
-6	454 953		CLAMP - Plastic (#3)	5	
-7	454 954		CLAMP - Plastic (#4)	7	
-8	454 649		CIRCUIT PROTECTOR - (Spencer) PSM10	1	23-1 to 23-1683 inclusive
	454 657		CIRCUIT PROTECTOR - (Wood) 2310	1	23-1684 and up
-9	487 790		SWITCH - Toggle (#110-S-73)	1	
-10	452 402		BEACON - Rotating (Whelen)	1	
-11	752 307		* BULB - Rotating beacon (A-7079-12)	2	
	751 448		* BULB - Rotating beacon (Whelen WRM44-12)	1	
-12	754 527		* DOME - (WRM-10) Whelen beacon	1	

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

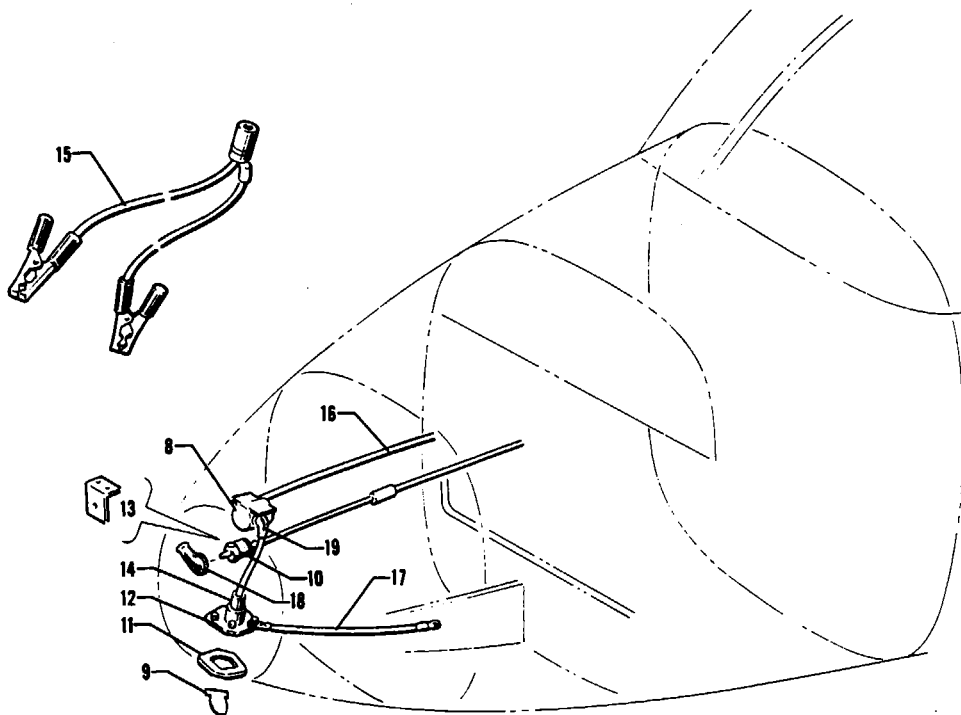
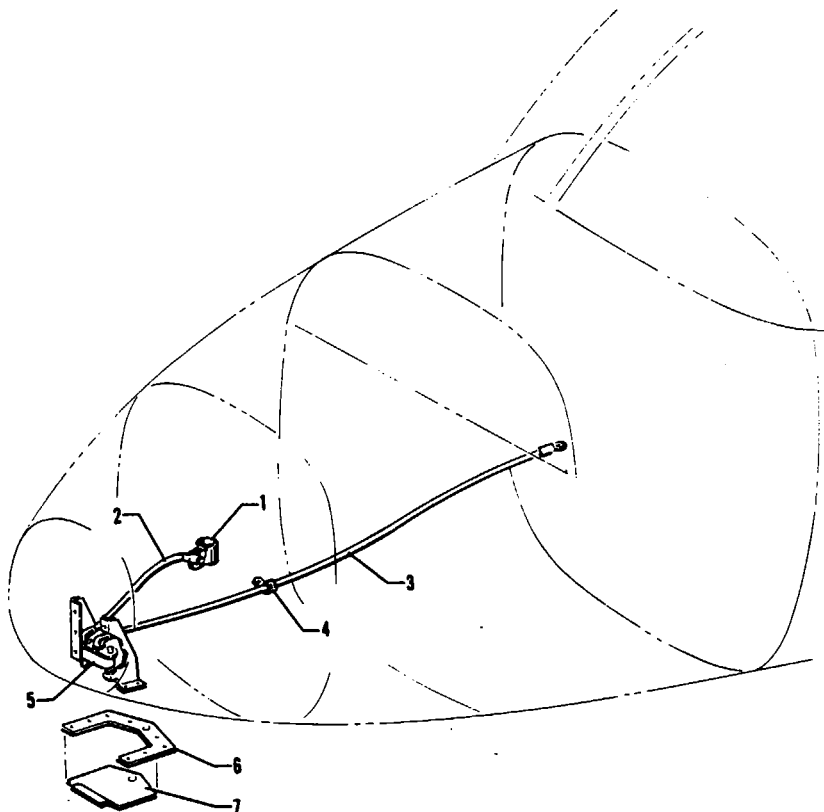


Figure 62. External Power Supply



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
62-	18640	A	DRAWING - Fuselage Nose Section		
	18275	A	DRAWING - Electrical System		
-1	10466-35	A	CLAMP - Round	1	23-1 to 23-1967 inclusive
-2	14226-11	A	WIRE ASSEMBLY - Aluminum	1	23-1 to 23-1967 inclusive
	14226-27	A	WIRE ASSEMBLY - Aluminum	1	23-1968 and up
-3	14226-10	A	WIRE ASSEMBLY - Aluminum	1	
-4	454 920	A	CLAMP - Plastic (#7)	1	
-5	484 344	A	RECEPTACLE - (AN2552-3A)	1	
-6	18667-00	A	PLATE ASSEMBLY - External power receptacle access reinforcement	1	
-7	18666-00	A	COVER ASSEMBLY - External power receptacle	1	23-1968 and up
-8	484 373	B	SOLENOID - (#24059)	1	
-9	62343-00	B	PLACARD - External power	1	
-10	456 728	B	DIODE - (#IN3208)	1	
-11	62226-00	B	SPACER - Receptacle	1	
-12	62227-00	B	PLATE - Receptacle	1	
-13	62342-00	B	BRACKET - Power relay	1	
-14	62355-03	B	SOCKET ASSEMBLY - Power connector	1	
-15	62355-02	B	PLUG ASSEMBLY - Power connector	1	
-16	24159-191	B	WIRE ASSEMBLY - Power	1	
-17	14226-27	B	WIRE ASSEMBLY - Ground	1	
-18	23969-02	B	NIPPLE - Rubber	1	
-19	23969-04	B	NIPPLE - Rubber	1	

A - Used when installation with triple prong receptacle is installed.

B - Used when installation with single prong receptacle is installed.

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

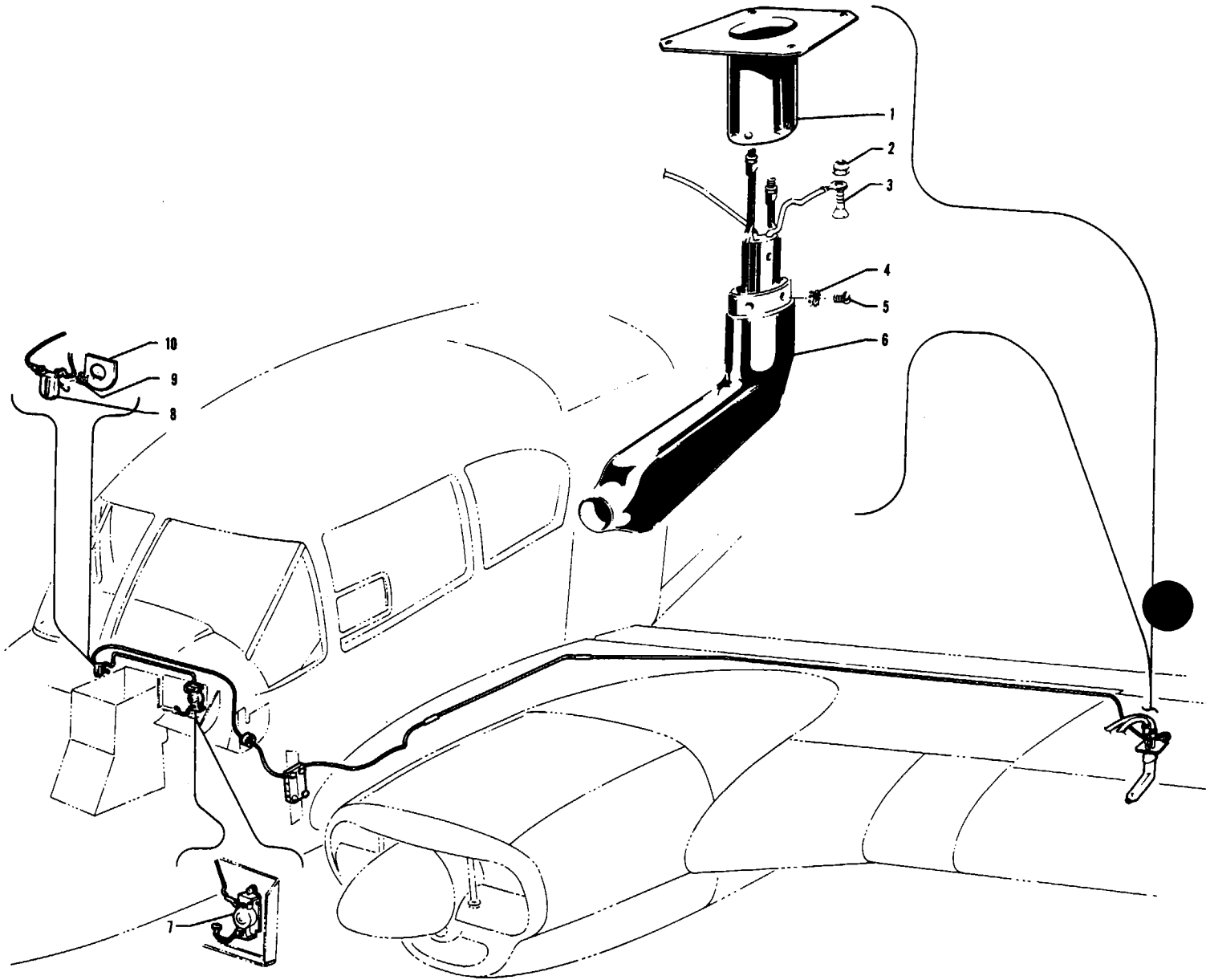


Figure 63. Electric Pitot Tube Installation



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
63-	18167 18275		DRAWING - Fuselage Harness Installation DRAWING - Electrical System Installation		
-1	17639-00		MAST ASSEMBLY - Pitot tube	1	
-2	406 678		NUT - Elastic stop (#22M62)	1	
-3	414 747		SCREW - (AN507-632R6) Flat head	1	
-4	407 104		WASHER - (AN935-10)	4	
-5	416 992		SCREW - (AN526-1032R4) Truss head	4	
-6	19024-00		TUBE ASSEMBLY - Electric pitot	1	
-7	454 650		CIRCUIT PROTECTOR - (Spencer) PSM15)	1	23-1 to 23-1683 inclusive
-7	454 658		CIRCUIT PROTECTOR - (Wood) 2315	1	23-1684 and up
-8	487 790		SWITCH - Toggle	1	
-9			WASHER - (#16-886)	1	
-10	18716-00		PLACARD - Switch, brown	1	
-10	18716-03		PLACARD - Switch, black	1	

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

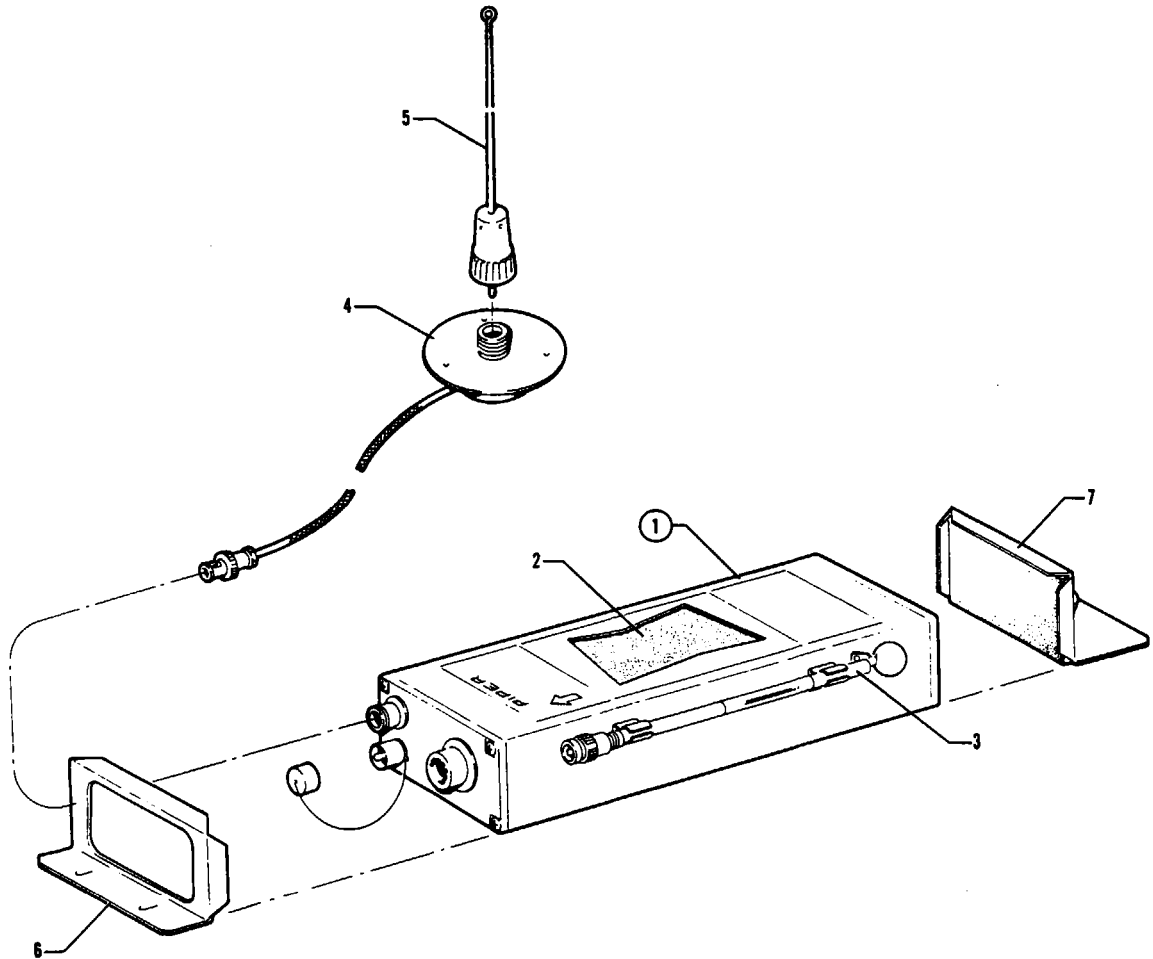


Figure 63A. Piper AutoMatic Locator (ELT) Installation
(Garrett Mfg. Ltd.)

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
63A-1	756 398	A	TRANSMITTER ASSEMBLY - Automatic locator (includes magnesium battery pack)	1	
-2	758 281		* BATTERY PACK - Transmitter assembly (magnesium)	1	
-3	751 316		* ANTENNA ASSEMBLY - Telescopic	1	
-4	751 318		CABLE AND BASE ASSEMBLY - Whip antenna	1	
-5	751 319		ANTENNA ASSEMBLY - Whip (less cable and base)	1	
-6	758 266		BRACKET - Forward transmitter mounting	1	
-7	758 211		BRACKET ASSEMBLY - Aft transmitter mounting (includes lock knob)	1	
			A - No longer available. Order ELT Replacement Kit 764 082 (Garrett ELT to Narco ELT 10) as a replacement.		

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

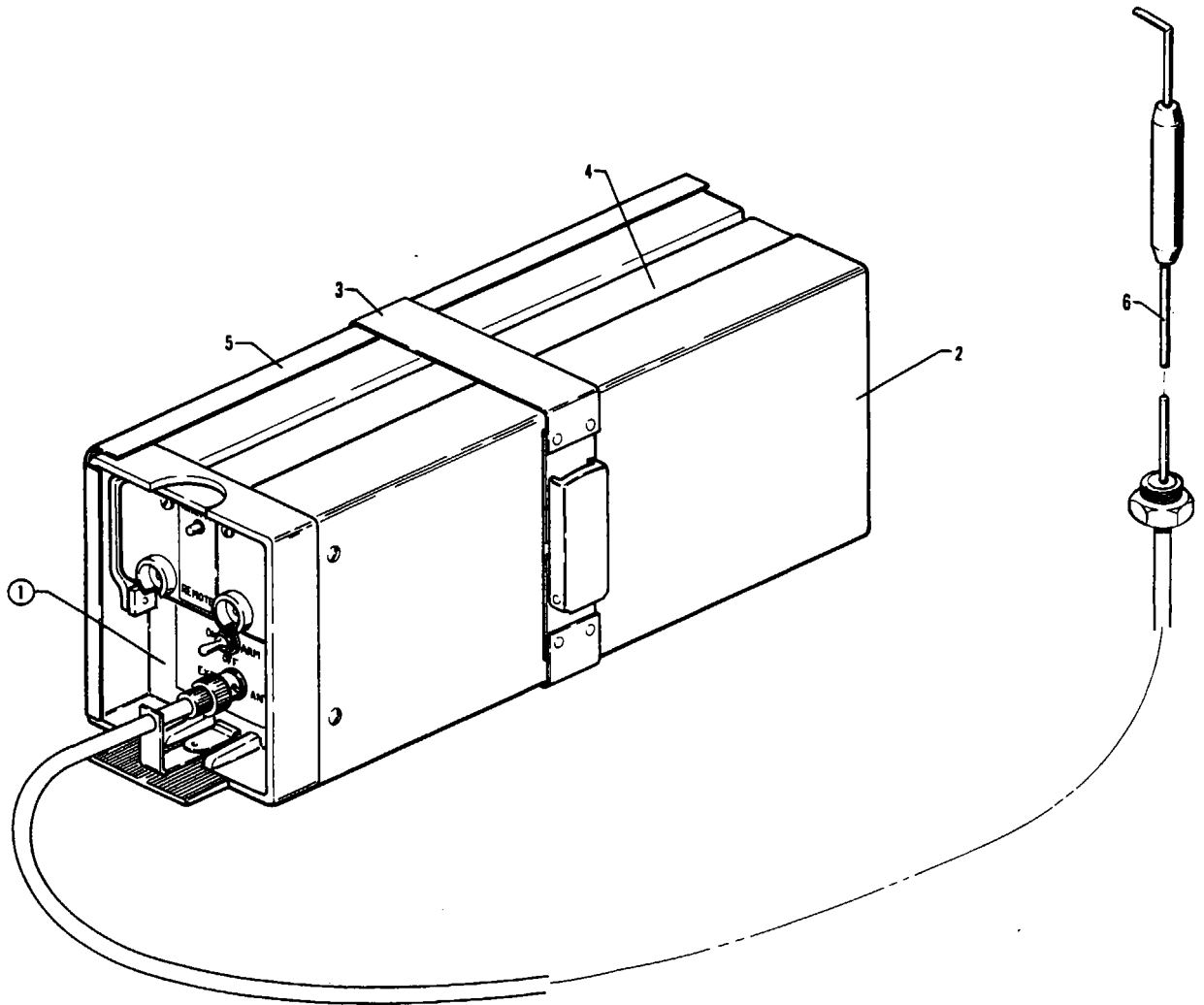


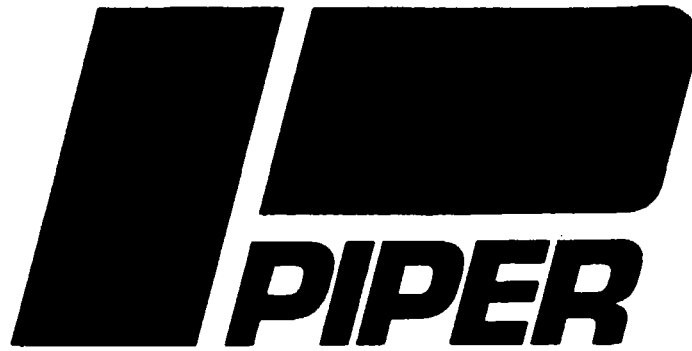
Figure 63B. Piper Automatic Locator (ELT) Installation
(Narco Avionics)

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
63B-1	54800-54		TRANSMITTER ASSEMBLY - Automatic locator (ELT 10) (includes alkaline battery pack)	1	
-2	758 452		* BATTERY PACK - Transmitter assembly (57674-0001)	1	
-3	762 357		* STRAP - Transmitter assembly (57682-0101)	1	
-4	763 019		* ANTENNA - Blade, portable (57667-0001)	1	
-5	758 453		* BASE - Transmitter assembly (57666-0001)	1	
-6	597 257		ANTENNA ASSEMBLY - ELT (01652-0101)	1	

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

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AIRPLANE PARTS CATALOG

PA-23-150 APACHE

PA-23-160 APACHE

CARD 2 OF 2

PIPER AIRCRAFT CORPORATION

Courtesy of Bomar Flying Service
www.bomar.biz

PART NUMBER: 752 421

INTERIM REVISION: SEPTEMBER 1998

PIPER PARTS CATALOG

AEROFICHE EXPLANATION AND REVISION STATUS

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

Conversion of Aerofiche alpha/numeric code numbers:

First number is the Aerofiche card identifier.

Letter is the horizontal line reference per card.

Second number is the vertical line reference per card.

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

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

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

REVISIONS

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

Current Revisions to this PA-23-150 and PA-23-160 Parts Catalog issued April 2, 1973 are as follows:

752 421 (ORG730402).....	Dated April 1973
752 421 (PR770506).....	Dated May 1977
752 421 (PR830211).....	Dated February 1983
752 421 (IR980904).....	Dated September 1998

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



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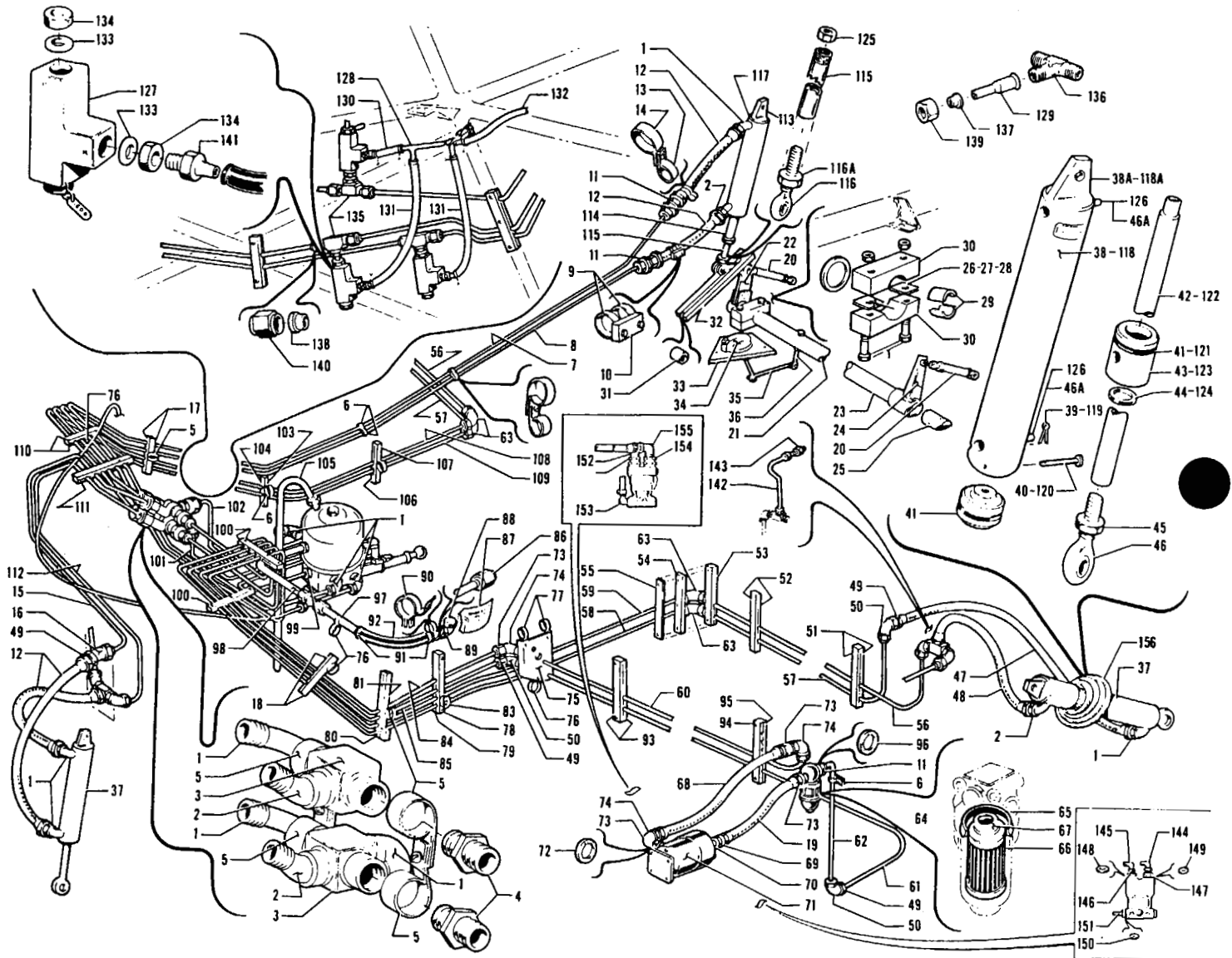


Figure 64. Hydraulic System Installation

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
64-	17774 18703		DRAWING - Hydraulic System Installation DRAWING - Hydraulic Relief Valve Installation		
-1	458 894		ELBOW - (AN822-4D)	12	
-2	458 891		ELBOW - (AN823-4D)	5	
-3	455 405		CROSS FITTING - (AN918-1D)	2	
-4	476 648		NIPPLE - (AN816-4D)	3	
-5	454 886		CLAMP-Tinnerman (A4886S-10-24)	6	
-6	454 929		CLAMP - Tinnerman (A4980S-4-91)	6	
-7	17725-07		LINE ASSEMBLY - Flap control hydraulic	1	
-8	17718-07		LINE ASSEMBLY - Flap control hydraulic	1	
-9	454 885		CLAMP - Tinnerman (A4886S-8-24)	2	
-10	17616-00		BLOCK - Filler	1	
-11	491 050		UNION - (AN815-4D)	1	
	491 050	A	UNION - (AN815-4D)	2	
	491 050	BC	UNION - (AN815-4D)	1	
-12	17766-02		HOSE ASSEMBLY - Flexible	4	
-13	80002-07		CLAMP - Round	1	
-14	10466-29		CLAMP - Round	1	
-15	17704-00		LINE ASSEMBLY - Landing gear hydraulic	1	23-1 to 23-1870 inclusive
	16963-00		LINE ASSEMBLY - Landing gear hydraulic	1	23-1871 and up
-16	458 910		ELBOW - (AN837-4D)	1	
-17	18527-00		BLOCK - Retaining	2	
-18	18530-00		BLOCK - Retaining	2	
-19	17766-08	A	HOSE ASSEMBLY - Flexible	1	
	17766-11	BC	HOSE ASSEMBLY - Flexible	1	
-20	18316-00		ROD ASSEMBLY - Flap control	2	
-21	18254-05		TUBE ASSEMBLY - Flap torque	1	
-22	17635-00		BELLCRANK ASSEMBLY - Flap	1	
-23	17634-02		TUBE - Flap control torque tube	1	
-24	16424-00		HORN ASSEMBLY - Flap control	1	
-25	17631-00		PLUG - Flap control torque tube	1	
-26	41371-02		SHIM - Torque tube bearing (.010)	AR	
-27	41371-03		SHIM - Torque tube bearing (.015)	AR	
-28	41371-04		SHIM - Torque tube bearing (.032)	AR	
-29	17629-00		BEARING - Flap control torque tube	4	
-30	17630-00		BLOCK - Flap control torque tube bearing	4	
-31	82732-46		BUSHING	1	
-32	17320-00		BLOCK - Flap actuating arm guide	1	
-33	17625-00		PLATE - Sending unit mounting, flap position	1	
-34	17624-00		UNIT ASSEMBLY - Flap position indicator sending	1	
-35	17615-00		LINK - Flap position indicator	1	
-36	17614-00		ROD ASSEMBLY - Flap position indicator attachment	1	
-37	35030-02		CYLINDER - Hydraulic	3	
-38	751 400		BODY - Hydraulic cylinder (General Armature-12024)	1	
			A - Used when New York hydraulic pump 481 663 (67B025) or Pesco hydraulic pump 481 677 (012151-011-01) is installed.		
			B - Used when Pesco hydraulic pump 481 675 (012023-014) is installed.		
			C - Used when Pesco hydraulic pump 481 672 (1P-677) is installed.		

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
64-38a	751 706		END - Hydraulic cylinder (General Armature-12022)	1	
-39	424 050	F	PIN - Cotter (AN380-2-1)	2	
-40	752 703	F	PIN - Flat head (AN392-39)	2	
-41	752 727		PACKING - "O" Ring (AN6227-19) (3 required in General Armature hydraulic cylinder)	2	
	756 098	G	PACKING - "O" Ring (7414MR-160-T)	2	
-42	752 700	F	PISTON AND ROD ASSEMBLY - (PAC 31868-00)	1	
	752 743		PISTON AND ROD ASSEMBLY - (General Armature 12025)	1	
	35033-00	G	PISTON AND ROD ASSEMBLY	1	
-43	751 691	F	END PLUG - (PAC 31866-00)	1	
	751 707		END PLUG - (General armature 12023)	1	
	35031-00	G	END PLUG	1	
-44	752 726	F	PACKING - "O" Ring (AN6227-10)	1	
	756 099	G	PACKING - "O" Ring (7112FT-160-T)	1	
-45	752 495	F	NUT - Check	1	
	752 564	G	NUT - Check	1	
-46	762 554		BEARING - End (MXK-46-16A)	1	
-46a	18829-00	A,F	PIN - Cylinder shear (1/4")	2	
	752 745	A,F	PIN - Cylinder shear (1/8")	2	
	752 744	B	PIN - Cylinder shear	6	
-47	17766-04		HOSE ASSEMBLY - Flexible	2	
-48	17766-03		HOSE ASSEMBLY - Flexible	2	
-49	477 618		NUT - (AN924-4D)	4	
-50	458 900		ELBOW - (AN833-4D)	4	
-51	17620-00		BLOCK - Tube retaining, left side only	2	
-52	18415-00		BLOCK - Tube retaining	4	
-53	16377-00		BLOCK - Tube retaining	4	
-54	16377-03		BLOCK - Tube retaining	2	
-55	16506-02		BLOCK - Tube retaining	2	
-56	17706-00		LINE ASSEMBLY - Landing gear hydraulic, left	1	
	17706-01		LINE ASSEMBLY - Landing gear hydraulic, right	1	
-57	17705-00		LINE ASSEMBLY - Landing gear hydraulic, left	1	
	17705-01		LINE ASSEMBLY - Landing gear hydraulic, right	1	
-58	17721-07		LINE ASSEMBLY - Left landing gear hydraulic	1	
-59	17724-07		LINE ASSEMBLY - Left landing gear hydraulic	1	
-60	17723-00		LINE ASSEMBLY - Hydraulic pump return	1	23-1 to 23-1870 inclusive
	19763-00		LINE ASSEMBLY - Hydraulic pump return	1	23-1871 and up
-61	17702-00		LINE ASSEMBLY - Hydraulic pump, outlet	1	23-1 to 23-1870 inclusive
	19752-00		LINE ASSEMBLY - Hydraulic pump, outlet	1	23-1871 and up
-62	17700-00		LINE ASSEMBLY - Hydraulic pump, outlet	1	

- A - Measure dimension of pin before ordering.
- B - Use on General Armature cylinders only.
- C - Used when New York Hydraulic pump 481 663 (67B025) or Pesco hydraulic pump 481 677 (012151-011-01) is installed.
- D - Used when Pesco hydraulic pump 481 675 (012023-014) is installed.
- E - Used when Pesco hydraulic pump 481 672 (1P-677) is installed.
- F - Used on Hydraulic Cylinder Assembly Part No. 455 935 (31870-00) and Electrol 849-1 only.
- G - Used on Hydraulic Cylinder Assembly Part No. 455 956 (35030-02) only.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
64-63	458 880		ELBOW - (AN821-4D)	4	
-64	460 635		FILTER ASSEMBLY - Oil (AN6234-1)	1	
-65	752 804		O-Ring - (MS28778-16)	1	
-66	751 759		ELEMENT - Filter (AN6235-1A)	1	
-67	484 701		PACKING - "O" Ring (AN6227-7)	1	
-68	17766-05	ABC	HOSE ASSEMBLY - Flexible	1	
-69	484 350	A	REDUCER - (AN919-3D) Outlet	1	
-70	462 028	AB	GASKET - (AN6290-5) Outlet	1	
-71	754 346		KIT - Hydraulic pump replacement	1	
-72	462 029	A	GASKET - (AN6290-6) Inlet	1	
	462 029	B	GASKET - (AN6290-6) Inlet and outlet	2	
-73	19101-00	A	ELBOW - (AN833-6D) (458 901) Inlet	1	
-74	477 620	AB	NUT - (AN924-6D) Inlet	1	
-75	17628-00		PLATE - Tube support, left side only	1	23-1 to 23-1261 inclusive
	19452-00		PLATE - Tube support, left side only	1	23-1262 to 23-1870 inclusive
	19453-02		PLATE - Tube support, left side only	1	23-1871 and up
-76	454 940		CLAMP - Tinnerman (A2980S-12-1)	4	
-77	454 942		CLAMP - Tinnerman (A2980S-16-1)	2	
-78	17623-02		BLOCK - Tube retaining, left side only	1	
-79	17623-03		BLOCK - Tube retaining, left side only	1	
-80	17621-02		BLOCK - Tube retaining, left side only	1	
-81	17621-04		BLOCK - Tube retaining, left side only	1	
-82	17621-03		BLOCK - Tube retaining, left side only	1	
-83	454 941		CLAMP - Tinnerman (A2980S-14-1)	2	
-84	17722-07		LINE ASSEMBLY - Hydraulic pump inlet	1	
-85	17720-04		LINE ASSEMBLY - Hydraulic pump outlet, front	1	
	17720-03		LINE ASSEMBLY - Hydraulic pump outlet, rear	1	23-1 to 23-1870 inclusive
	19746-00		LINE ASSEMBLY - Hydraulic pump outlet, rear	1	23-1871 and up
-86	17609-00		TUBE ASSEMBLY - Powerpak filler	1	
-87	17887-00		TAG - Powerpak filling instructions	1	
-88	454 289		CAP ASSEMBLY - (AN929-3)	1	
-89	458 882		ELBOW - (AN821-6D)	1	
-90	17764-00		CLIP ASSEMBLY - Powerpak filler	1	
-91	454 924		CLAMP - Tinnerman (A3122-10-59)	2	
-92	82371-75		HOSE - Flexible	1	
-93	17709-00		BLOCK - Tube retaining	2	
-94	17713-00		BLOCK - Tube retaining, left wing	1	
	17714-00		BLOCK - Tube retaining, right wing	1	
-95	17713-00		BLOCK - Tube retaining, left wing	1	
	17715-00		BLOCK - Tube retaining, right wing	1	
-96	462 027		GASKET - (AN6290-4)	2	
-97	80002-06		CLAMP - Round	1	
-98	17608-00		TUBE ASSEMBLY - Powerpak filler	1	
-99	476 662		NIPPLES - (AN816-6D)	1	
-100	17617-00		BLOCK - Tube retaining	4	
-101	17610-00		LINE ASSEMBLY - Landing gear hydraulic, retraction	1	
-102	17611-00		LINE ASSEMBLY - Landing gear hydraulic, extension	1	
-103	17619-02		BLOCK - Tube retaining	1	
-104	17619-03		BLOCK - Tube retaining	1	

A - Used when New York hydraulic pump 481 663 (67B025) or Pesco hydraulic pump 481 677 (012151-011-01) is installed.
 B - Used when Pesco hydraulic pump 481 675 (012023-014) is installed.
 C - Used when Pesco hydraulic pump 481 672 (1P-677) is installed.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
64-105	17761-00		TUBE ASSEMBLY - Powerpak overflow (29-5/8" L)	1	
	30192-00		TUBE ASSEMBLY - Powerpak overflow (26" L)	1	
	13586-53		TUBE - Plastic powerpak overflow (25" L)	1	
-106	17626-02		BLOCK - Tube retaining	1	
-107	17626-03		BLOCK - Tube retaining	1	
-108	17719-07		LINE ASSEMBLY - Right landing gear hydraulic	1	
-109	17717-07		LINE ASSEMBLY - Right landing gear hydraulic	1	
-110	17618-00		BLOCK - Tube retaining	2	
-111	18529-00		BLOCK - Tube retaining	2	
-112	17703-00		LINE ASSEMBLY - Landing gear hydraulic	1	23-1 to 23-1870 inclusive
	16962-00		LINE ASSEMBLY - Landing gear hydraulic	1	23-1871 and up
-113	17637-00		CYLINDER ASSEMBLY - Flap actuating	1	
-114	14175-30		BUSHING	1	
	86102-90		BUSHING - (Used with General Armature cylinders)	1	
-115	17636-00		TUBE	1	
-116	452 383		BEARING - Rod end (TRE-4-10)	1	
-116a	477 663		NUT - Check	1	
-117	35030-02		CYLINDER - Hydraulic	1	
-118	751 400		BODY - Hydraulic cylinder (General Armature-12024)	1	
-118a	751 706		END - Hydraulic cylinder (General Armature-12022)	1	
-119	424 050	D	PIN - Cotter (AN380-2-1)	2	
-120	752 703	D	PIN - Flathead (AN392-39)	2	
-121	752 727	D	PACKING - "O" Ring (AN6227-19) (3 required in General Armature hydraulic cylinder)	2	
	756 098	E	PACKING - "O" Ring (7414MR-160-T)	2	
-122	752 700	D	PISTON AND ROD ASSEMBLY - (PAC 31868-00)	1	
	35033-00	E	PISTON AND ROD ASSEMBLY - (PAC 31868-00)	1	
-123	751 691	D	END PLUG - (PAC 31866-00)	1	
	751 707		END PLUG - (General Armature 12023)	1	
	35031-00	E	END PLUG	1	
-124	752 726	D	PACKING - "O" Ring (AN6227-10)	1	
	756 099	E	PACKING - "O" Ring (7112FT-160-T)	1	
-125	752 495	D	NUT - Check	1	
	752 564	E	NUT - Check	1	
-126	18829-00	AD	PIN - Cylinder shear (1/4")	2	
	752 745	AD	PIN - Cylinder shear (1/8")	2	
	752 744	B	PIN - Cylinder shear	4	
-127	18728-00	C	VALVE - Hydraulic relief	3	
-128	18699-00	C	CONNECTOR ASSEMBLY - Tube	1	
-129	18698-00	C	ADAPTER - Tube	1	
-130	13586-20	C	TUBE - Plastic	1	
-131	13586-21	C	TUBE - Plastic	2	
-132	13586-22	C	TUBE - Plastic	1	
-133	462 027	C	GASKET - (AN6290-4)	6	

A - Measure dimension of pin before ordering.
 B - Used on General Armature cylinders only.
 C - Used when powerpak 750P is installed.
 D - Used on Hydraulic Cylinder Assembly Part No. 455 935 (31870-00) and Electrol 849-1 only.
 E - Used on Hydraulic Cylinder Assembly Part No. 455 956 (35030-02) only.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
64-134	477 618	C	NUT - (AN924-4D)	6	
-135	488 383	C	TEE - (AN834-4D)	3	
-136	488 319	C	TEE - (AN824-6D)	1	
-137	486 899	C	SLEEVE - (AN819-6D)	3	
-138	486 897	C	SLEEVE - (AN819-4D)	6	
-139	477 614	C	NUT - (AN818-6D)	3	
-140	477 612	C	NUT - (AN818-4D)	6	
-141	451 853	C	ADAPTER - (AN807-4D)	3	
-142	19056-00		LINE ASSEMBLY - Hydraulic	2	23-545 and up
-143	491 060		UNION - (AN832-4D)	2	23-545 and up
-144	458 901	A	ELBOW - (AN833-6D) Inlet	1	
-145	458 878	A	ELBOW - (AN833-5D) Outlet	1	
-146	477 623	A	NUT - (AN924-5D)	1	
-147	453 667	A	REDUCER - (AN893-12D) Inlet	1	
-148	453 681	A	REDUCER - (AN893-7D) Outlet	1	
-149	462 031	A	GASKET - (AN6290-8) Inlet	1	
-150	462 027	A	GASKET - (AN6290-4) Drain	1	
-151	19804-00	A	ADAPTER - Drain	1	
-152	458 897	B	ELBOW - (AN822-5-4D) Outlet	1	
-153	458 893	B	ELBOW - (AN822-3D) Drain	1	
-154	453 617	B	BUSHING - (AN912-2D) Inlet and outlet	2	
-155	458 895	B	ELBOW - (AN822-6D) Inlet	1	
-156	17473-04		BOOT - Main gear, hydraulic cylinder	2	

A - Used when Pesco hydraulic pump 481 675 (012023-014) is installed.
 B - Used when Pesco hydraulic pump 481 672 (1P-677) is installed.
 C - Used when powerpak 750P is installed.

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

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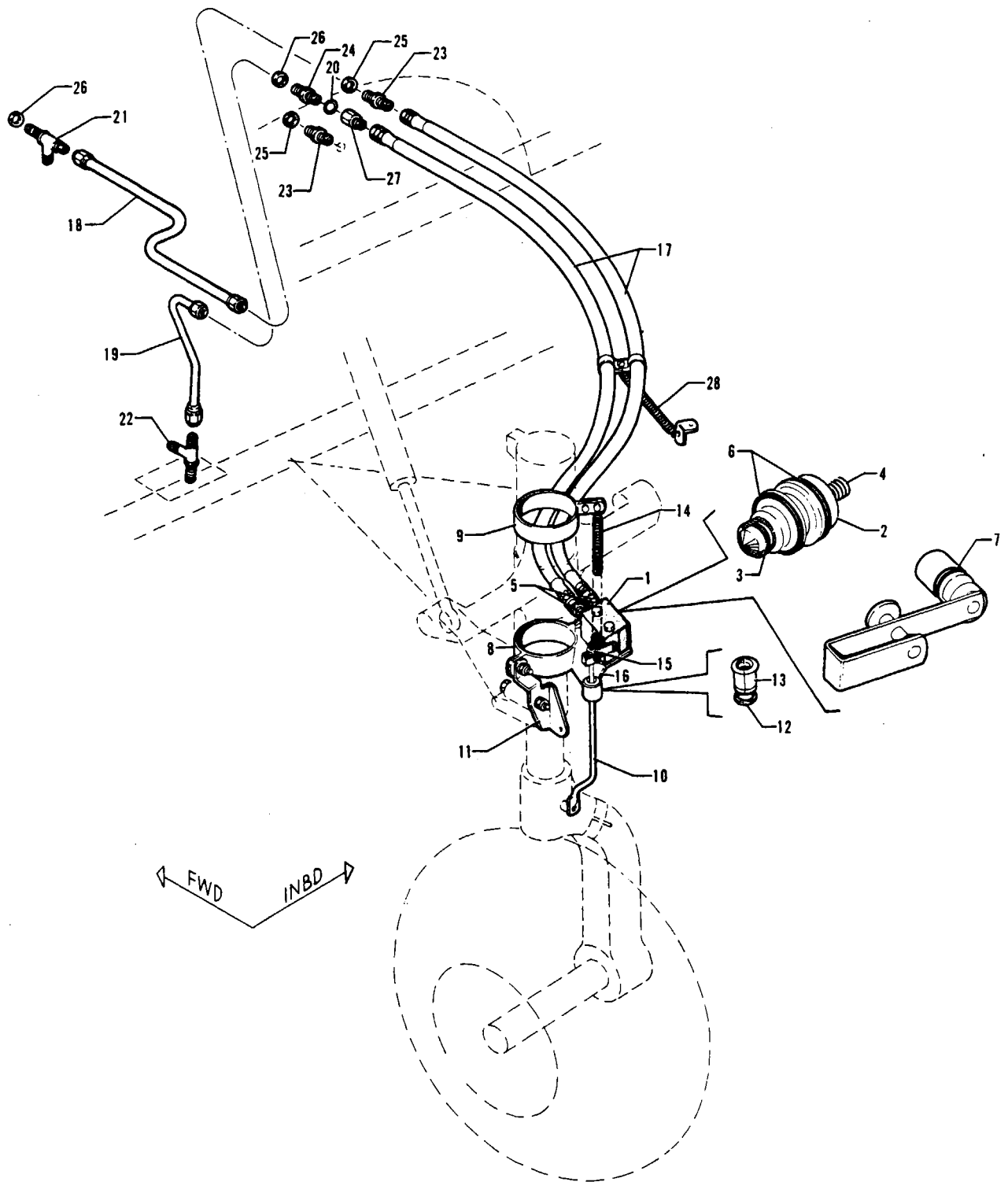


Figure 65. Landing Gear Anti-Retraction Valve Installation



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
65-	19153		DRAWING - Landing Gear Anti-Retracton Valve Installation		
-1	492 098		VALVE ASSEMBLY - Anti-retraction (PAC 31860-00)	1	
-2	31857-00		POPPET ASSEMBLY - Anti-retraction	1	
-3	484 700		"O" RING - (AN6227-5)	1	
-4	31856-00		SPRING - Valve	1	
-5	476 648		NIPPLE - (AN816-4D)	2	
-6	484 730		"O" RING - (AN6227-14)	2	
-7	752 746		"O" RING - (AN6227-8)	1	
-8	19139-00		CLAMP - Anti-retraction valve mounting	1	
-9	19143-00		CLAMP - Anti-retraction valve mounting	1	
-10	19147-00		ROD - Anti-retraction valve	1	
-11	19145-00		BRACKET - Retraction actuating	1	
-12	40081-00		RING - Snap	1	
-13	40071-02		SEGMENT - Fairlead	2	
-14	81411-02		SPRING - Coil	1	
-15	406 660		NUT - Barrel (#1452-048)	1	
-16	19135-00		BRACKET ASSEMBLY - Anti-retraction valve mounting	1	
-17	17766-16		HOSE ASSEMBLY - Flexible	2	
-18	19140-00		LINE ASSEMBLY - Hydraulic	1	
-19	19056-00		LINE ASSEMBLY - Hydraulic	1	
-20	462 029		GASKET - (AN6290-06)	1	
-21	488 312		TEE - (AN804-6D)	1	
-22	488 311		TEE - (AN804-4D)	1	
-23	491 060		UNION - (AN832-4D)	2	
-24	491 062		UNION - (AN832-6D)	1	
-25	477 618		NUT - (AN924-4D)	2	
-26	477 620		NUT - (AN924-6D)	2	
-27	453 630		BUSHING - (AN894-6-4D)	1	
-28	487 291		SPRING - Coil	1	

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

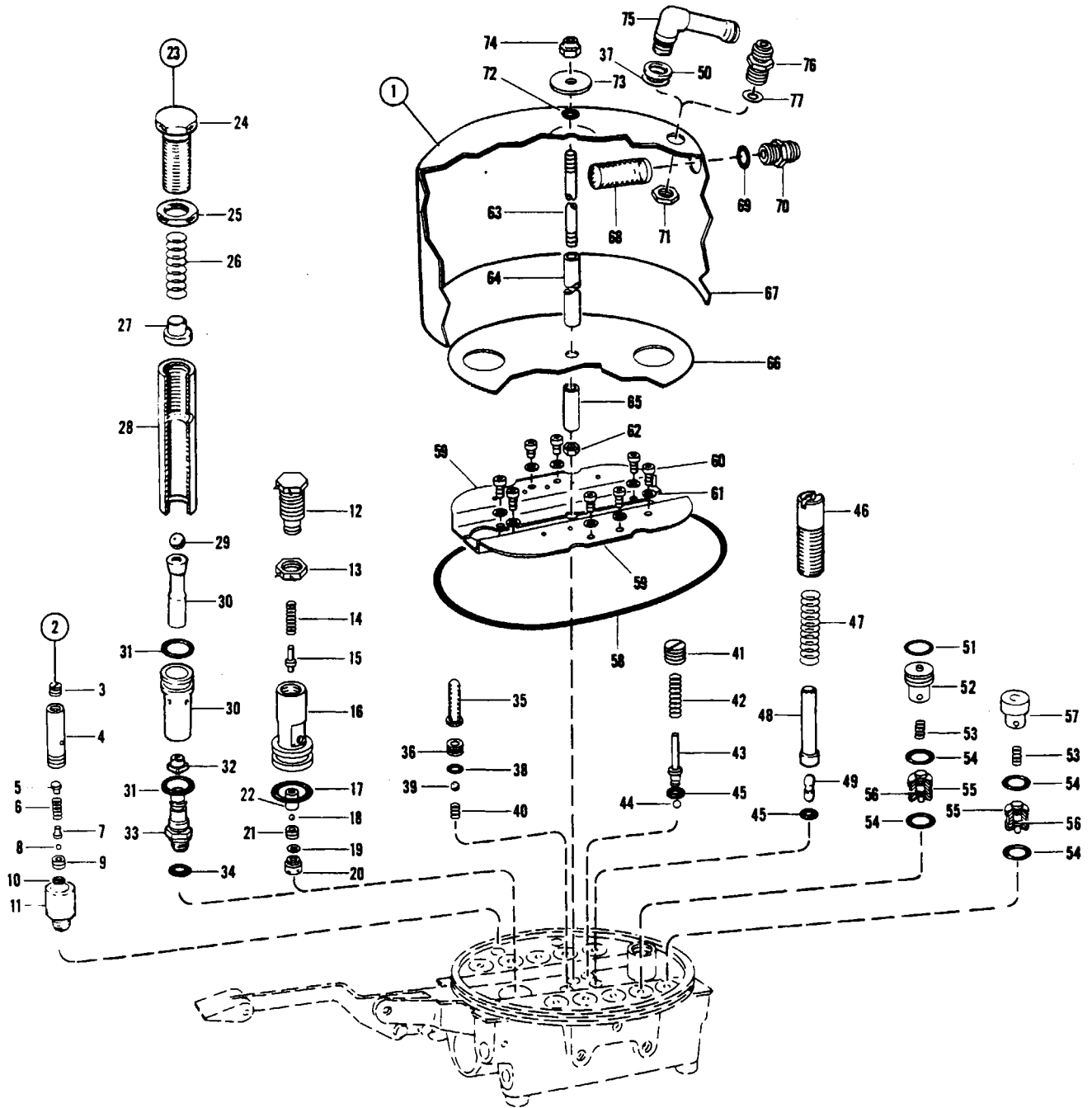


Figure 66. Hydraulic Powerpak Components

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
66-1	481 126 757 206		POWERPAK ASSEMBLY - New (12 Volt) (PAC 31800-02) POWERPAK ASSEMBLY - Reconditioned (12 Volt) (PAC 31800-02)	1 1	
-2	31878-00		* VALVE ASSEMBLY - Thermal relief	4	
-3	31876-00		** SCREW ASSEMBLY - Thermal relief valve	1	
-4	31872-00		** BODY - Thermal relief valve	1	
-5	31875-00		** RETAINER - Thermal relief valve	1	
-6	31871-00		** SPRING - Thermal relief valve	1	
-7	31877-00		** RETAINER - Thermal relief valve	1	
-8	31814-02		** BALL - Thermal relief valve	1	
-9	31874-00		** SEAT - Thermal relief valve	1	
-10	752 714		** PACKING - O-Ring (AN6227-4)	1	
-11	31873-00		** HEAD - Thermal relief valve	1	
-12	31955-00	B	* SCREW - Powerpak relief valve	1	
-13	31848-00	B	* NUT - Powerpak relief valve	1	
-14	31957-00	B	* SPRING - Powerpak relief valve	1	
-15	31952-00	B	* PLUNGER - Powerpak relief valve	1	
-16	31951-00	B	* BODY - Powerpak relief valve	1	
-17	752 713	CDE	* PACKING - O-Ring (AN6227-15) (484 712)	1	
-18	31814-07	B	* BALL - Powerpak relief valve	1	
-19	752 714	CDE	* PACKING - O-Ring (AN6227-4)	1	
-20	31953-00	B	* PLUG - Powerpak relief valve	1	
-21	31954-00	B	* SEAT - Powerpak relief valve	1	
-22	31956-00	B	* RETAINER - Powerpak relief valve	1	
-23	31950-00	F	* VALVE ASSEMBLY - Powerpak relief	1	
-24	31962-00	F	** CAP - Powerpak relief valve	1	
-25	31848-00	F	** NUT - Powerpak relief valve	1	
-26	31949-00	F	** SPRING - Powerpak relief valve	1	
-27	31900-00	F	** GUIDE - Powerpak relief valve	1	
-28	31963-00	F	** BODY - Powerpak relief valve	1	
-29	31814-03	F	** BALL - Powerpak relief valve	1	
-30	31899-00	F	** POPPET ASSEMBLY - Powerpak relief valve	1	
-31	484 701	F	** PACKING - O-Ring (AN6227-7)	2	
-32	31885-00	F	** RETAINER - Powerpak relief valve	1	
-33	31948-00	F	** END FITTING - Powerpak relief valve	1	
-34	462 027	F	* PACKING - O-Ring (AN6290-4)	1	
-35	31912-00		* STRAINER	1	
-36	31937-00		* SEAT - Check	1	
-37	753 189	G	* WASHER - Dyna-seal (#110 x 9/16)	1	
-38	484 708		* PACKING - O-Ring (AN6227-6)	1	
-39	751 354		* BALL - Check (PAC 31814-05)	1	
-40	752 908		* SPRING - Check (PAC 31936-00)	1	

A - Refer to Figure 66A for balance of Powerpak Components.
 B - Used on Piper Powerpak 31800-00 and Electrol Powerpak only.
 C - Used with Piper Powerpak 31800-00 only.
 D - Used with Electrol Powerpak, serial numbers 1 to 2116, 2118 to 2126 inclusive only.
 E - Used with Electrol Powerpak, serial numbers 2117, 2127 and up only.
 F - Used with Piper Powerpak 31800-02 only.
 G - Used when elbow is installed.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
66-41	752 732	E	CAP - Flap detent (PAC 31904-00)	1	
-42	31947-00	E	SPRING	1	
-43	31905-00	E	PLUNGER - Powerpak	1	
-44	753 428	E	BALL - (PAC 31814-04)	1	
-45	752 715		PACKING - "O" Ring (PRP902 - 3/4)	2	
-46	31917-00	B	CAP - Gear detent	1	
-47	31915-00	B	SPRING	1	
-48	31916-00	B	DETENT SPRING GUIDE	1	
-49	31914-00	B	DETENT - Plunger	1	
-50	407 597		WASHER - (AN960-916L)	1	
-51	484 726		PACKING - "O" Ring (AN6227-10)	6	
-52	31913-00		RETAINER - Pressure	6	
-53	31856-00		SPRING	10	
-54	752 736		PACKING - "O" Ring (2-15PSI-30-5AN)	20	
-55	31854-00		POPPET AND SEAT ASSEMBLY	10	
-56	752 716	C	PACKING - "O" Ring (AN6227-2)	10	
	752 735		PACKING - "O" Ring (AN6227-3) (484 707)	10	
-57	31923-00		RETAINER - Return	4	
-58	752 718		PACKING - "O" Ring (AN6230-36)	1	
-59	31886-02		PLATE - Powerpak, left	1	
	31886-03		PLATE - Powerpak, right	1	
-60	756 281		SCREW - Cap (1/4-28 NF-3-5/16" L)	8	
-61	407 127		WASHER - (AN936B-416)	8	
-62	404 322		NUT - (AN316-4R)	1	
-63	31939-00		STUD - Reservoir	1	
-64	31924-00		SPACER - Reservoir	1	
-65	31940-00		SPACER - Reservoir	1	
-66	31944-00		BAFFLE - Reservoir	1	
-67	31827-00		RESERVOIR	1	
-68	31925-00		STRAINER	1	
-69	484 697		PACKING - "O" Ring (AN6227-9)	1	
-70	491 052		UNION - (AN815-6D)	1	
-71	477 620		NUT - (AN924-6D)	1	
-72	484 700		PACKING - "O" Ring (AN6227-5)	1	
-73	31926-00		WASHER - Reservoir	1	
-74	404 888		NUT - (MS20365-428C)	1	
-75	754 767		ELBOW - Reservoir (1K42-1)	1	
-76	753 076	D	UNION	1	
-77	462 029	D	PACKING - "O" Ring (AN6290-6)	1	

- A - Refer to Figure 66A for balance of Powerpak Components.
- B - Used on Piper Powerpak 31800-02 only.
- C - Used with Electrol Powerpak (750P) with serial numbers 1 to 100 inclusive.
- D - Used when elbow is not installed.
- E - Two required with Piper Powerpak 31800-00 and Electrol Powerpak.

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

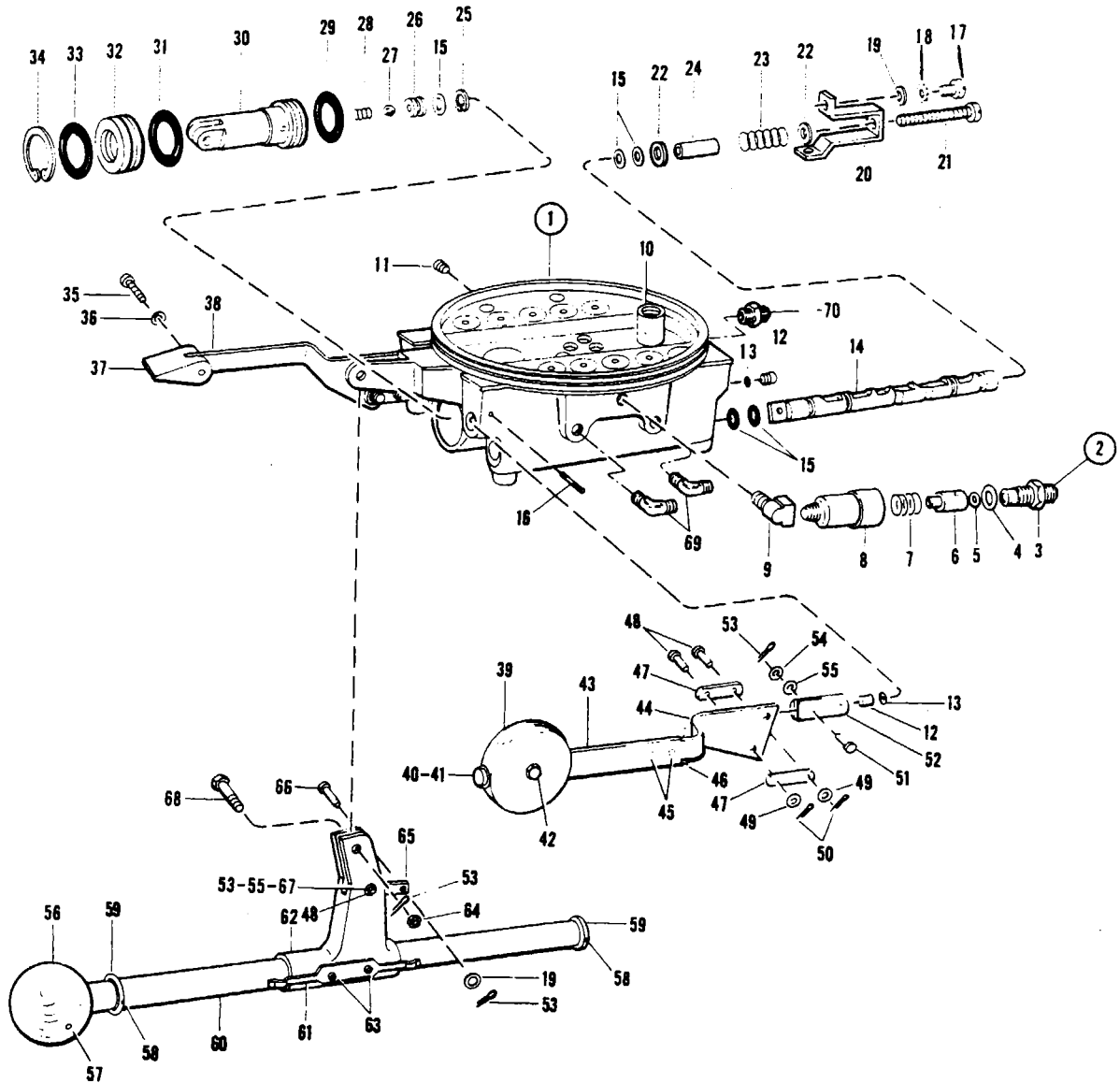


Figure 66A. Hydraulic Powerpak Components

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
66A -1	481 126 757 206		POWERPAK ASSEMBLY - New (12 Volt) (PAC 31800-02) POWERPAK ASSEMBLY - Reconditioned (12 Volt) (PAC 31800-02)	1 1	
-2	31862-00		* VALVE ASSEMBLY - Check	1	
-3	31803-00		* * END FITTING - Check valve	1	
-4	755 940		* * GASKET - (MS28778-6)	1	
-5	755 941		* * PACKING - O-Ring (MS28775-011)	1	
-6	31861-00		* * POPPET - Check valve	1	
-7	756 168		* * SPRING - Check valve (PAC 31799-00)	1	
-8	31801-00		* * BODY - Check valve	1	
-9	458 920		* ELBOW - Check valve (W/H 3400 x 2)	1	
-10	31911-00		* STANDPIPE	1	
-11	757 248		* PLUG - (AN932-1)	1	
-12	31941-00		* PLUG	4	
-13	752 715		* PACKING - O-Ring (PRP902-3/4)	4	
-14	31887-00		* CAMSHAFT - Left	1	
	31887-01		* CAMSHAFT - Right	1	
-15	484 708		* PACKING - O-Ring (AN6227-6)	9	
-16	480 689		* PIN ROLL - (52-040-187-0750)	2	
-17	756 281		* SCREW - Cap (1/4-28 NF-3-5/16" L)	2	
-18	407 127		* WASHER - Lock (AN936B-416)	2	
-19	753 138		* WASHER - (AN960-PD416)	3	
-20	31943-00		* RETAINER	2	
-21	31907-00		* SCREW	2	
-22	31902-00		* WASHER	2	
-23	31946-00		* SPRING	2	
-24	31888-00		* SPACER	2	
-25	752 811		* RING - Snap (NAS50-43)	1	
-26	31937-00		* SEAT - Check	1	
-27	751 354		* BALL - Check (PAC 31814-05)	1	
-28	752 908		* SPRING - Check (PAC 31936-00)	1	
-29	752 713		* PACKING - O-Ring (AN6227-15) (484 712)	1	
-30	31938-00		* PISTON	1	
-31	484 702		* PACKING - O-Ring (AN6227-16)	1	
-32	31935-00		* STOP	1	
-33	752 712		* PACKING - O-Ring (AN6227-13) (484 696)	1	
-34	484 721		* RING - Snap (5000-106)	1	
-35	756 282		* SCREW - Cap (10-32NF-3-11/16" L)	1	
-36	407 124		* WASHER - Lock (AN935-10L)	1	
-37	754 069		* KNOB - Flap control (PAC 31929-00)	1	
-38	752 306		* LEVER - Flap control (PAC 31928-00)	1	
-39	754 042		* KNOB - Landing gear (12 Volt) (PAC 31909-00)	1	
-40	472 037		* * LAMP - Landing gear knob (#330) (12 Volt)	1	
-41	752 838		* * REFLECTOR - Landing gear knob	1	
-42	31908-00		* BOLT - Landing gear knob	1	
	756 600		* NUT - Landing gear knob (AN364-832)	1	
-43	753 027		* TUBE - Landing gear lever (PAC 31910-00)	1	
-44	752 303	B	* LEVER - Landing gear (PAC 31931-00)	1	
-45	752 704		* PIN - Roll (52-040-187-0312)	2	
-46	753 037		* TERMINAL BLOCK AND WIRE ASSEMBLY - (PAC 31932-00)	1	
-47	31930-00		* LINK	4	
-48	424 142		* PIN - Clevis (AN392-11)	4	
-49	756 601		* WASHER - (AN960 PD4L)	4	

A - Refer to Figure 66 for balance of Powerpak Components.
B - No longer available. Order Lever P/N 761 213 and install lever as described in Service Bulletin 635.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
66A -50	424 050		PIN - Cotter (AN380-2-1)	4	
-51	424 179		PIN - Clevis (AN393-21)	2	
-52	31942-00		STUD	2	
-53	424 051		PIN - Cotter (AN380-2-2)	5	
-54	407 594		WASHER - (AN960 PD 10L)	2	
-55	753 136		WASHER - (AN960 PD 10)	3	
-56	751 838		GRIP - Hand pump (PAC 31933-00)	1	
-57	752 706		PIN - Roll (52-028-125-1.375)	1	
-58	752 705		PIN - Roll (52-028-125-1.187)	2	
-59	31934-00		STOP	2	
-60	31825-00		HANDLE	1	
-61	752 913		SPRING - (PAC 31906-00)	1	
-62	31829-00		FORK ASSEMBLY	1	
-63	752 918		SCREW - (AN500-6-3)	2	
	407 122		WASHER - Lock (AN935-6L)	2	
-64	404 392		NUT - (AN320-3)	1	
-65	31922-00		LINK	1	
-66	424 206		PIN - Clevis (AN394-19)	1	
-67	424 210		PIN - Clevis (AN394-27)	1	
-68	400 055		BOLT - (AN3-10)	1	
-69	458 894		ELBOW - (AN822-4D)	4	
-70	476 662		NIPPLE - (AN816-6D)	1	
			A - Refer to Figure 66 for balance of Powerpak Components.		

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

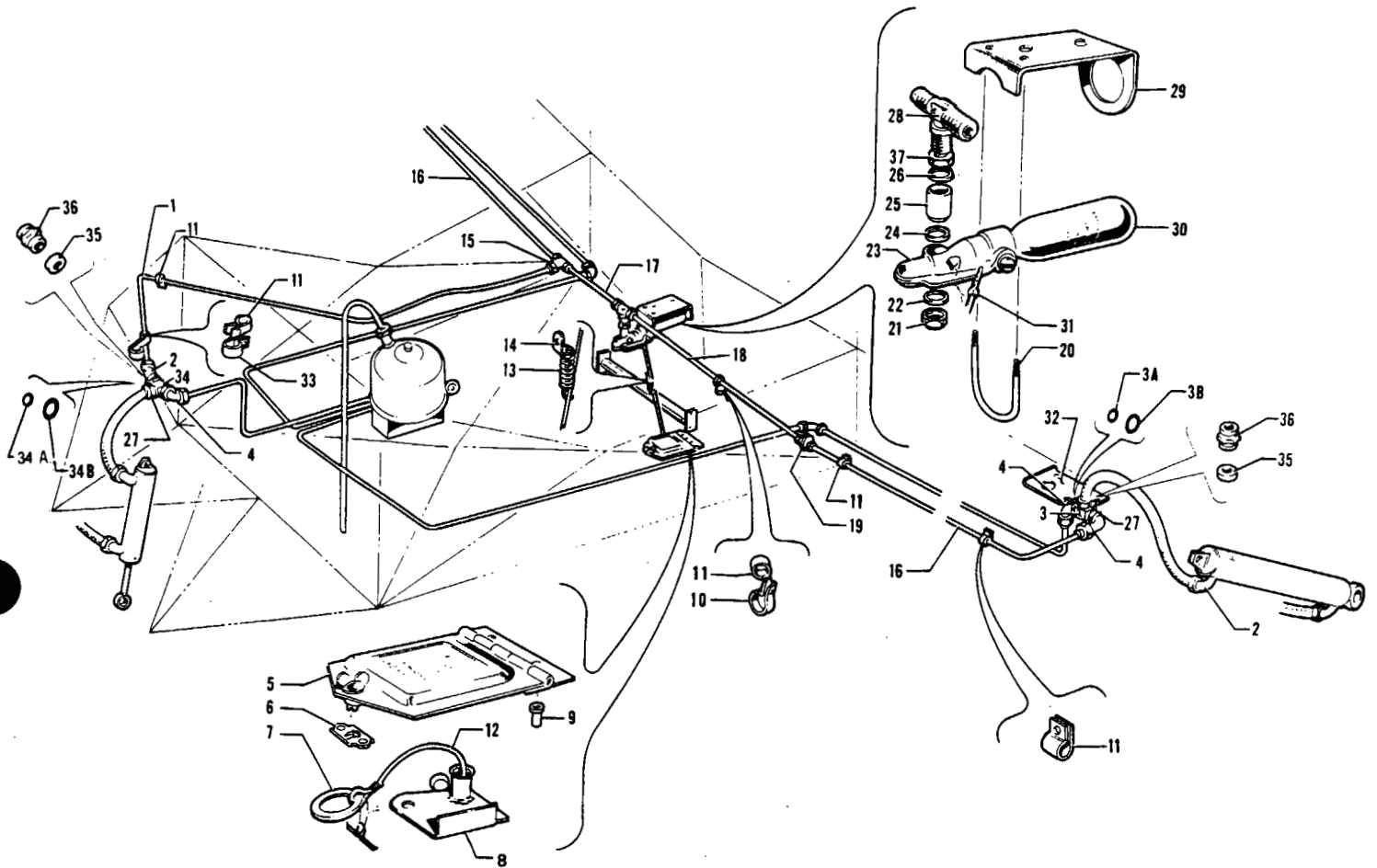


Figure 67. Emergency Gear Extender Installation



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
67-	18447		DRAWING - Emergency Gear Extender Installation		
-1	18437-00		LINE ASSEMBLY - Emergency gear extender	1	
-2	458 891		ELBOW - (AN823-4D)	3	
-3	492 047	C	VALVE - Shuttle (A-50)	2	
-3a	755 848		PACKING - Valve seal, "O" Ring (HL332)	2	
-3b	755 849		PACKING - "O" Ring (HL648)	2	
-4	458 894		ELBOW - (AN822-4D)	3	
-5	18438-00		COVER ASSEMBLY - Emergency gear extender ring	1	
-6	484 341		RECEPTACLE - (9947-P)	1	
-7	484 648		RING - Key	1	
-8	18444-00		TUBE ASSEMBLY - Cable guide	1	
-9	406 863		RIVNUT - (A8-K-75)	2	
-10	454 940		CLAMP - Tinnerman (A2980S-12-1)	1	
-11	454 929		CLAMP - Tinnerman (A4980S-4-91)	6	
-12	18445-00		CABLE ASSEMBLY - Emergency gear extender	1	
-13	487 291		SPRING	1	
-14	18468-00		CLIP - Spring	1	
-15	488 320		TEE - (AN824-4D)	1	
-16	18441-00		LINE ASSEMBLY - Emergency gear extender	2	
-17	18440-02		LINE ASSEMBLY - Emergency gear extender	1	
-18	18440-03		LINE ASSEMBLY - Emergency gear extender	1	
-19	491 050		UNION - (AN81504D)	1	
-20	18443-00		CLAMP - Emergency gear extender bottle	1	
-21	751 504		CAP - (A132-2)	1	
-22	753 144		WASHER - (A-136-A)	1	
-23	751 658		UNIT - Discharger (A-145)	1	
-24	753 145		WASHER - (A-136-B)	1	
-25	752 931		STEM - (A36-133)	1	
-26	462 027		GASKET - (AN6290-4)	1	
-27	477 618	A	NUT - (AN924-4D)	2	
	477 621	B	NUT - (AN924-8D)	2	
-28	488 383		TEE - (AN834-4D)	1	
-29	18439-00		BRACKET - Emergency gear extender bottle	1	
-30	751 393		BOTTLE - (C02) (US36-152)	1	
-31	486 881		SLEEVE - (1B-1-C)	1	
-32	18688-00		BRACKET - Hydraulic line support, left hand	1	
	18688-01		BRACKET - Hydraulic line support, right hand	1	
-33	454 886		CLAMP - Tinnerman (A4886S-10-24)	1	
-34	492 047	C	VALVE - Shuttle (A-50)	1	
-34a	755 848		PACKING - Valve seal, "O" Ring (HL332)	1	
-34b	755 849		PACKING - "O" Ring (HL648)	1	
-35	462 027	D	GASKET - (AN6290-4)	1	
-36	491 050	D	UNION - (AN815-4D)	1	
-37	477 618		NUT - (AN924-4D)	1	

A - Used with shuttle valve A-43.
 B - Used with shuttle valve A-50 and 32803-00.
 C - If Shuttle Valve Replacement Kit 760 812 has been installed, order Part No. 32803-00.
 D - Used on PA-23-150 & PA-23-160 airplanes if shuttle valve replacement kit 760 812 has been installed.

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

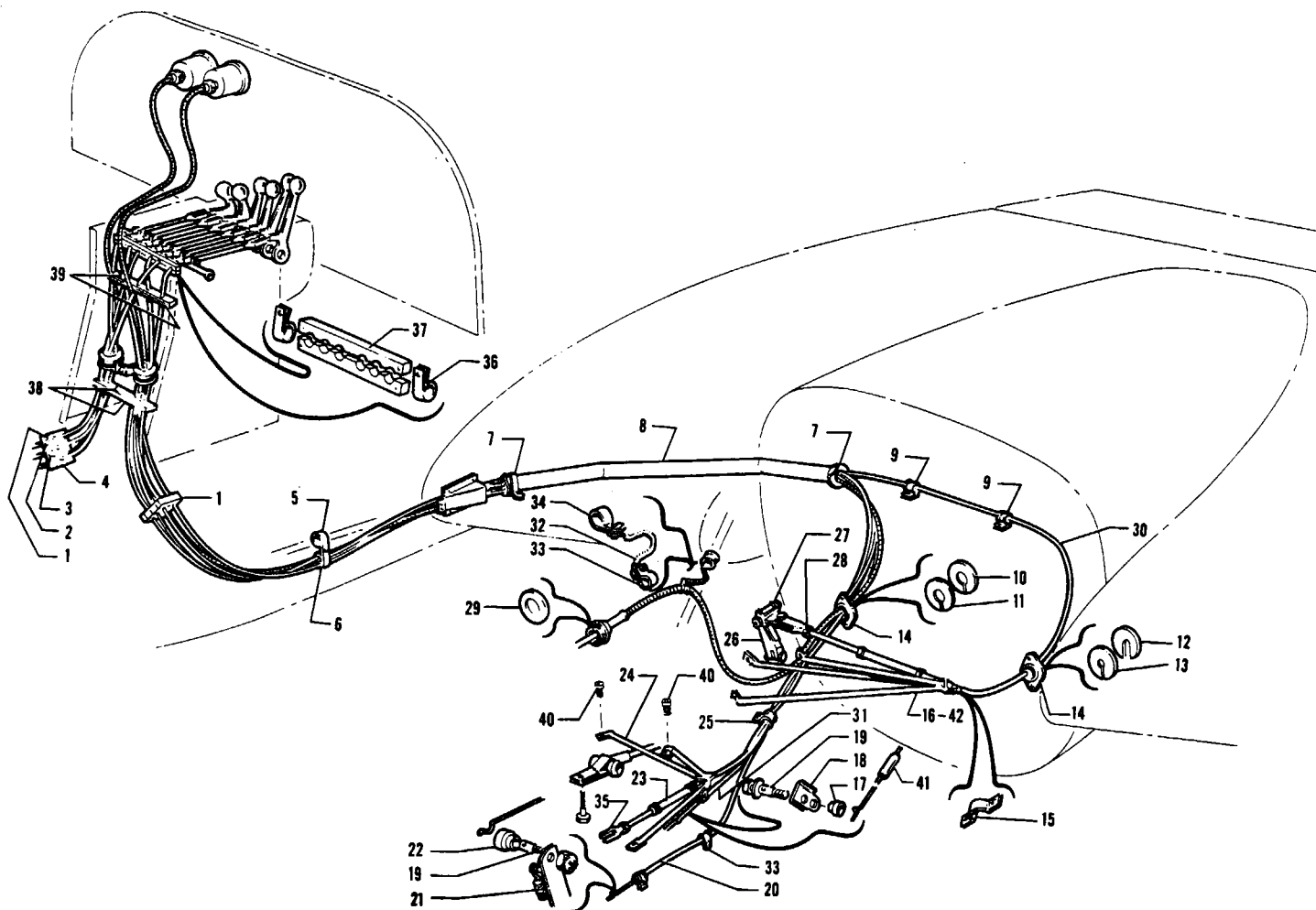


Figure 68. Engine Controls Installation



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
68-	18255		DRAWING - Engine Controls Installation		
-1	18001-02		BLOCK - Engine controls support	2	
-2	18001-03		BLOCK - Engine controls support	2	
-3	18001-04		BLOCK - Engine controls support	2	
-4	18001-05		BLOCK - Engine controls support	2	
-5	454 942		CLAMP - Tinnerman (A2980S-16-1)	2	
-6	454 933		CLAMP - Tinnerman (A4980S-8-91) Left engine	1	
	454 892		CLAMP - Tinnerman (A3125-3-179) Right engine	1	
-7	80032-65		CLAMP - Off-set	4	
-8	18006-00		TUBE - Engine control cable guide	2	
-9	454 880		CLAMP - Tinnerman (A4886S-4-1)	6	
-10	18320-06		DISC - Firewall seal, aft	2	
-11	18320-03		DISC - Firewall seal, forward	2	
-12	18320-05		DISC - Firewall seal aft (outboard hole on left firewall)	1	
	18320-06		DISC - Firewall seal aft (outboard hole on right firewall)	1	
-13	18320-04		DISC - Firewall seal forward (outboard hole on left firewall)	1	
	18320-03		DISC - Firewall seal forward (outboard hole on right firewall)	1	
-14	18321-00		PLATE - Firewall seal disc mounting	8	
-15	18219-00		CLAMP - Control cable attachment	4	
-16	18214-00	B	BRACKET ASSEMBLY - Propeller pitch control support	2	
-17	91193-00		FITTING - Swivel	2	
-18	18076-00		ARM ASSEMBLY - Mixture control attachment	2	
-19	70371-03		STUD - Swivel	4	
-20	17907-00		CABLE ASSEMBLY - Carburetor heat control	2	23-1 to 23-1151 inclusive
	19331-00		CABLE ASSEMBLY - Carburetor heat control	2	23-1152 and up
-21	83302-21		SPRING - Coil	2	
-22	70371-02		FITTING - Swivel	2	
-23	17905-02		CABLE ASSEMBLY - Throttle control, left engine	1	
	17905-07		CABLE ASSEMBLY - Throttle control, right engine	1	
-24	18215-00		BRACKET ASSEMBLY - Control cable support	2	23-1 to 23-133 inclusive
	18496-00	A	BRACKET ASSEMBLY - Control cable support	2	23-134 and up
-25	454 933		CLAMP - Tinnerman (A4980S-6-91)	1	
-26	18075-00	B	ARM ASSEMBLY - Propeller pitch control attachment	2	
-27	18074-00	B	LUG ASSEMBLY - Propeller pitch control	2	
-28	554 757		CLEVIS - Propeller pitch control (MS35812-1)	2	
-29	85012-14		WASHER	2	
-30	17905-04		CABLE ASSEMBLY - Left engine propeller pitch control	1	
	17905-03		CABLE ASSEMBLY - Right engine propeller pitch control	1	23-1 to 23-1967 inclusive
	17905-02		CABLE ASSEMBLY - Right engine propeller pitch control	1	23-1968 and up
-31	17906-00		CABLE ASSEMBLY - Mixture control	2	
-32	42891-00		SPRING	2	
-33	454 887		CLAMP - Tinnerman (A4886S-3-1)	4	
-34	454 886		CLAMP - Tinnerman (A4886S-10-24)	2	
-35	554 757		CLEVIS	2	
-36	80032-39		CLAMP	2	

A - Used when engine mount with off-center rubber shock mounts are installed.
B - Used with Woodward Governor only.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
68-37	18531-00		BLOCK	1	
-38	18533-00		BLOCK	2	
-39	18532-00		BLOCK	2	
-40	85061-00	A	CAPSCREW	4	23-134 and up
-41	82371-31		HOSE - Flexible	1	23-1 to 23-1967 inclusive
-42	19862-00	B	BRACKET ASSEMBLY - Propeller pitch control support	2	
A - Used when engine mount with off-center rubber shock mounts are installed. B - Used when Hartzell Governor is installed.					

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

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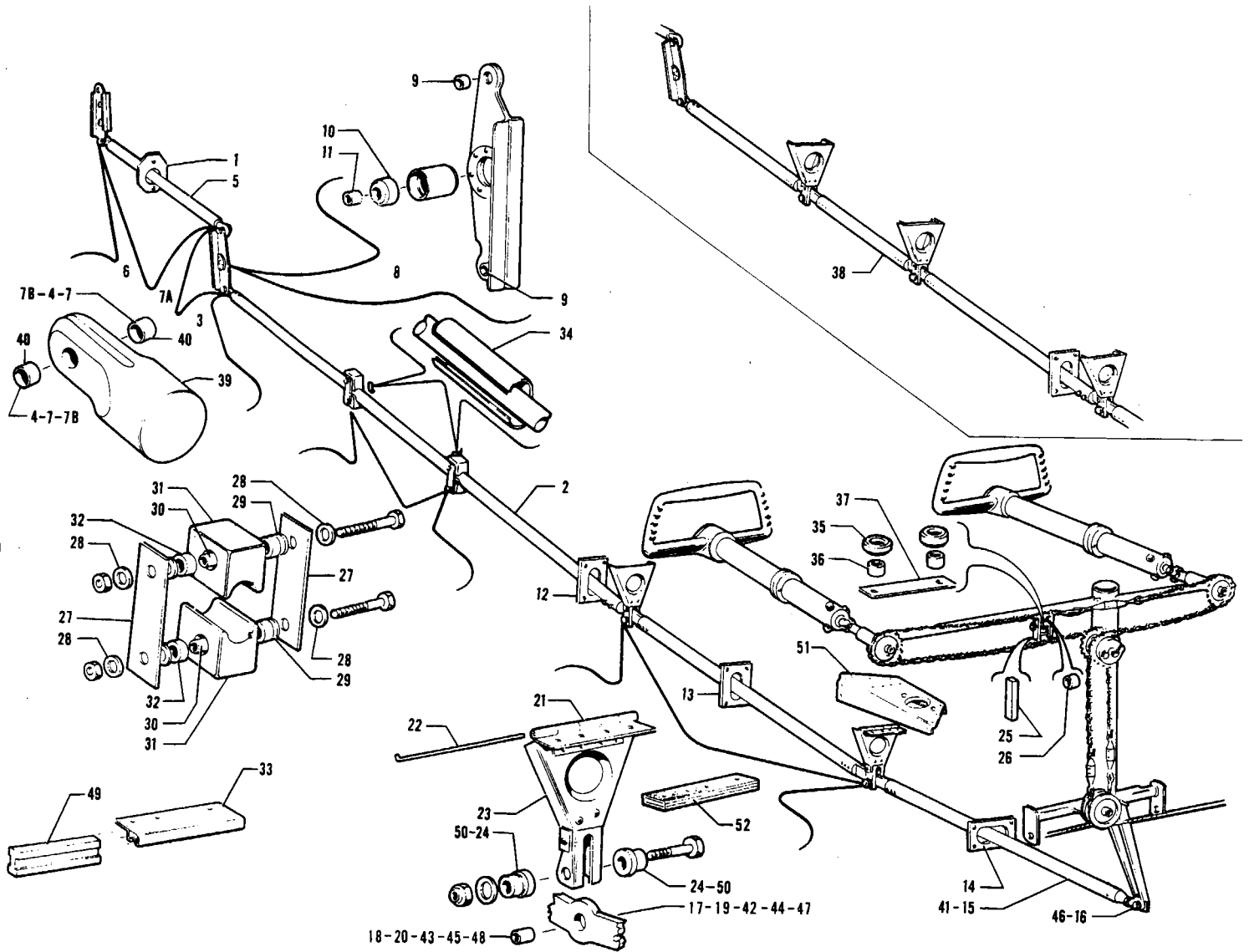


Figure 69. Elevator Controls Installation

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
69-	17462 17301		DRAWING - Control System Installation DRAWING - Cockpit Controls Installation		
-1	17112-00		BLOCK - Elevator control tube rub	1	
-2	17231-00		TUBE ASSEMBLY - Elevator control center	1	23-129 to 23-1870 inclusive
	17231-03		TUBE ASSEMBLY - Elevator control center	1	23-1 to 23-128 inclusive
-3	17234-00		FITTING ASSEMBLY - Elevator control tube	1	23-129 to 23-1870 inclusive
	17234-03		FITTING ASSEMBLY - Elevator control tube	1	23-1 to 23-128 inclusive
-4	80012-83		BUSHING	2	23-1 to 23-128 inclusive
	14175-92		BUSHING	2	23-129 to 23-1870 inclusive
-5	17232-03	A	TUBE ASSEMBLY - Elevator control, rear	1	23-1 to 23-128 inclusive
	17232-05	B	TUBE ASSEMBLY - Elevator control, rear	1	23-1 to 23-128 inclusive
	17232-00	C	TUBE ASSEMBLY - Elevator control, rear	1	23-129 to 23-640 inclusive
	17232-04		TUBE ASSEMBLY - Elevator control, rear	1	23-641 and up
-6	17234-00	D	FITTING ASSEMBLY - Elevator control tube	1	23-129 to 23-640 inclusive
	17234-03	D	FITTING ASSEMBLY - Elevator control tube	1	23-1 to 23-128 inclusive
	19086-00		FITTING ASSEMBLY - Elevator control tube	1	23-641 and up
-7	80012-83	E	BUSHING	2	23-1 to 23-128 inclusive
	14175-92	E	BUSHING	2	23-129 to 23-640 inclusive
	80022-90		BUSHING	2	23-641 and up
-7a	17234-03		FITTING ASSEMBLY - Elevator control tube	1	23-1 to 23-128 inclusive
	17234-00		FITTING ASSEMBLY - Elevator control tube	1	23-129 and up
-7b	80012-83		BUSHING	2	23-1 to 23-128 inclusive
	14175-92		BUSHING	2	23-129 and up
-8	17273-00		BELLCRANK ASSEMBLY - Elevator	1	23-129 and up
	17273-05		BELLCRANK ASSEMBLY - Elevator	1	23-1 to 23-128 inclusive
-9	80012-84		BUSHING	2	23-1 to 23-128 inclusive
	14175-93		BUSHING	2	23-129 and up
-10	452 344		BUSHING	2	
-11	14175-75		BUSHING	1	
-12	17113-00		BLOCK - Elevator control tube rub	1	
-13	18371-00		BLOCK - Elevator control tube rub	1	
-14	17844-00		BLOCK - Elevator control tube rub	1	
-15	17238-00		TUBE ASSEMBLY - Front elevator control	1	23-129 to 23-1870 inclusive
	17238-04		TUBE ASSEMBLY - Front elevator control	1	23-1 to 23-128 inclusive
-16	17233-00		BOLT - Eye	1	23-1 to 23-128 inclusive
	452 356		BOLT - Eye	1	23-129 to 23-1870 inclusive
-17	17237-02		FITTING ASSEMBLY - Elevator control tube connector, rear	1	23-129 to 23-1870 inclusive
	17237-07		FITTING ASSEMBLY - Elevator control tube connector, rear	1	23-1 to 23-128 inclusive
-18	452 808		BEARING	1	23-1 to 23-128 inclusive
	452 360		BEARING	1	23-129 to 23-1870 inclusive

- A - If service Kit 754 162 has been installed, use 17232-05 as replacement part.
- B - Use only if service Kit 754 162 has been installed.
- C - If service Kit 754 162 has been installed, use 17232-04 as replacement part.
- D - If service Kit 754 162 has been installed, use 19086-00 as replacement part.
- E - If service Kit 754 162 has been installed, use 80022-90 as replacement part.

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

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
69-19	17237-04		FITTING ASSEMBLY - Elevator control tube connector, front	1	23-129 to 23-1870 inclusive
	17237-06		FITTING ASSEMBLY - Elevator control tube connector, front	1	23-1 to 23-128 inclusive
-20	452 808		BEARING	1	23-1 to 23-128 inclusive
	452 360		BEARING	1	23-129 to 23-1870 inclusive
-21	17228-04		HINGE - Elevator control tube bracket, front	1	23-1 to 23-1967 inclusive
	19817-00		HINGE - Elevator control tube bracket, front	1	23-1968 and up
	17228-04		HINGE - Elevator control tube bracket, center rear and rear	2	23-1871 and up
	17228-04		HINGE - Elevator control tube bracket, center front	1	23-1 to 23-1967 inclusive
	19817-00		HINGE - Elevator control tube bracket, center front	1	23-1968 and up
-22	81761-37		PIN - Elevator control tube bracket hinge, front and center	2	23-1 to 23-1870 inclusive
	81761-37	A	PIN - Elevator control tube bracket hinge, front, center front, center rear and rear	4	23-1871 and up
-23	17225-00		BRACKET ASSEMBLY - Elevator control tube, front and center	2	23-1 to 23-1870 inclusive
	17225-00	A	BRACKET ASSEMBLY - Elevator control tube, front, center front, center rear and rear	4	23-1871 and up
	19875-00		BRACKET ASSEMBLY - Elevator control tube, front	1	23-1968 and up
-24	80012-94		BUSHING - Elevator control tube connector spacer	4	23-1 to 23-128 inclusive
	14175-89		BUSHING - Elevator control tube connector spacer	4	23-129 and up
-25	12505-02		BLOCK - Control column guide rub	2	23-1 to 23-1870 inclusive
	16849-00		BLOCK - Control column guide rub	2	23-1871 and up
-26	86102-76		BUSHING - Control column guide	1	23-1 to 23-1870 inclusive
	86102-91		BUSHING - Control column guide	1	23-1871 and up
-27	81262-57		LINK - Elevator control tube roller support	4	23-1 to 23-1533 inclusive
	81262-91		LINK - Elevator control tube roller support	4	23-1534 to 23-1870 inclusive
-28	80122-10		WASHER	8	23-1 to 23-1870 inclusive
-29	81342-61		WASHER	6	23-1 to 23-1870 inclusive
-30	80012-67		BUSHING	4	23-1 to 23-1870 inclusive
-31	19225-00		BLOCK - Elevator control tube rub	4	23-1 to 23-1870 inclusive
-32	80012-66		BUSHING - (Used with roller only)	2	23-1 to 23-1870 inclusive
-33	19876-00		PLATE ASSEMBLY - Control tube bracket hinge (front rubber hinge support)	1	23-1968 and up
-34	19616-00		SLEEVE - Elevator control tube, nylon	2	23-1 to 23-1870 inclusive
-35	16851-00		ROLLER ASSEMBLY - Control column guide	2	23-1 to 23-1967 inclusive
	16851-02		ROLLER ASSEMBLY - Control column guide	2	23-1968 and up
-36	80012-11		BUSHING - Control column guide	2	
-37	81262-99		LINK - Control column guide	1	
-38	19776-00		TUBE ASSEMBLY - Elevator control	1	23-1871 and up
-39	17234-00		FITTING ASSEMBLY - Elevator control tube	1	23-1871 and up
-40	14175-92		BUSHING	2	23-1871 and up
-41	17238-00		TUBE ASSEMBLY - Front elevator control	1	23-1871 and up
-42	17237-02		FITTING ASSEMBLY - Front elevator control tube	1	23-1871 and up
-43	452 360		BUSHING	1	23-1871 and up
-44	17237-04		FITTING ASSEMBLY - Front elevator control tube	1	23-1871 and up
-45	452 360		BUSHING	1	23-1871 and up
-46	452 356		BOLT - Eye	1	23-1871 and up
-47	19778-00		FITTING ASSEMBLY - Rear elevator control tube	2	23-1871 and up
-48	452 360		BEARING - (#SBG-4)	1	23-1871 and up
			A - Three used on serial numbers 23-1968 and up.		

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
69-49	19878-00		HINGE - Elevator control tube bracket, front (rubber)	1	23-1968 and up
-50	14175-89		BUSHING - Elevator control tube, rear	4	23-1871 and up
-51	19856-00		BRACKET - Elevator control tube	1	23-1968 and up
-52	19855-00		SHIM - Elevator control tube bracket	3	23-1968 and up

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

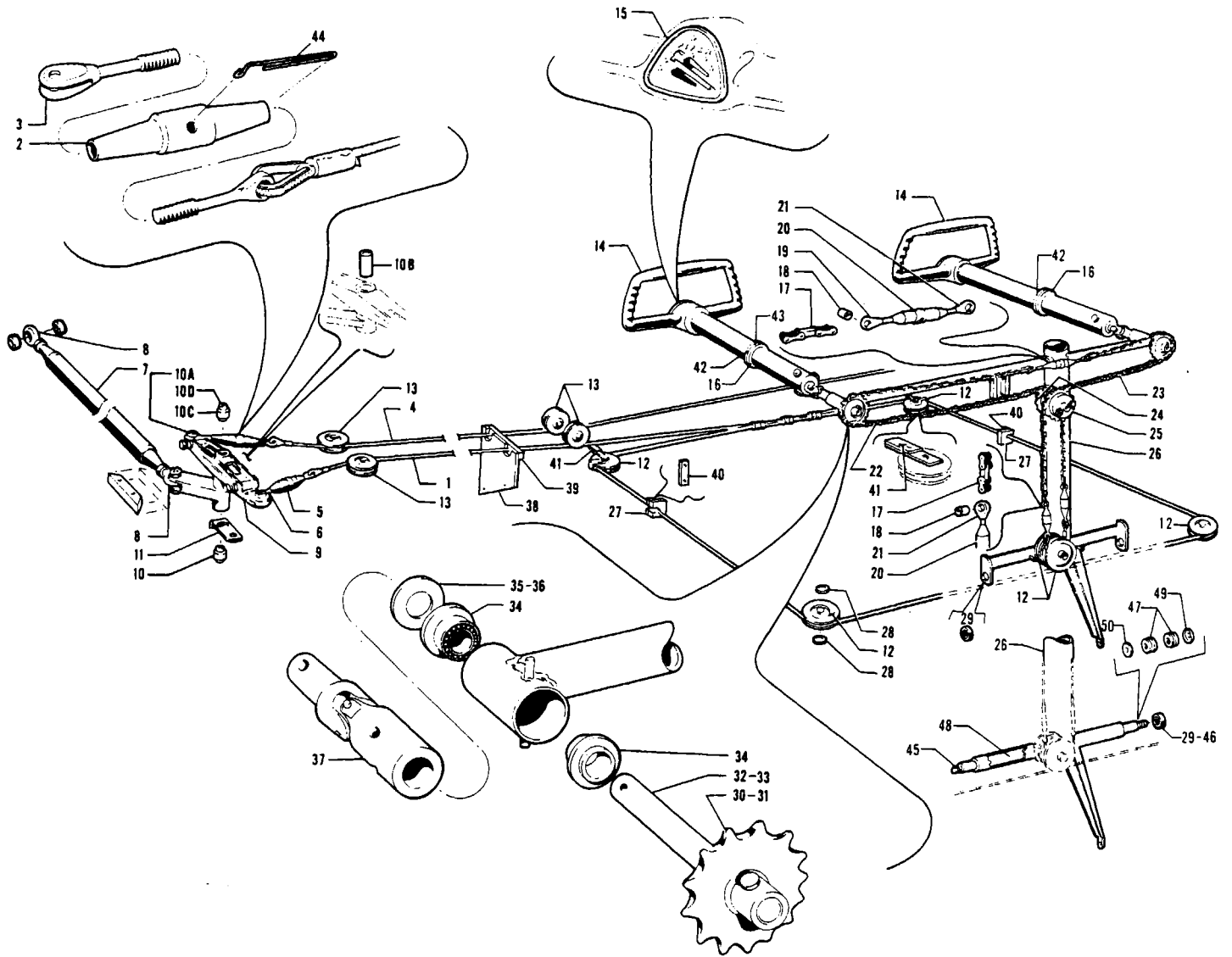


Figure 70. Aileron Controls Installation



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
70-	17301 17901		DRAWING - Cockpit Controls Installation DRAWING - Wing Installation		
-1	17389-00	A	CABLE ASSEMBLY - Aileron control	1	
	17389-02	B	CABLE ASSEMBLY - Aileron control	1	
-2	452 011		BARREL - Turnbuckle (AN155-32S)	2	
-3	461 127	A	FORK - Turnbuckle (AN161-22RS)	2	
	461 133	B	FORK - Turnbuckle (AN161-32RS)	2	
-4	14300-02	A	CABLE ASSEMBLY - Aileron balance	1	
	14300-04	B	CABLE ASSEMBLY - Aileron balance	1	
-5	452 011		BARREL - Turnbuckle (AN155-32S)	2	
-6	461 127	A	FORK - Turnbuckle (AN161-22RS)	2	
	461 133	B	FORK - Turnbuckle (AN161-32RS)	2	
-7	17471-00		TUBE ASSEMBLY - Aileron control	2	
-8	452 383		BEARING - Rod end	2	
-9	751 398		BELLCRANK ASSEMBLY - Aileron, right	1	
	751 399		BELLCRANK ASSEMBLY - Aileron, left	1	
-10	452 344		BEARING - (#5035) (2 used with elded bellcrank)	1	
-10a	80022-74		BUSHING - Aileron bellcrank	2	
-10b	80022-73		BUSHING - Aileron bellcrank	1	
-10c	452 361		BEARING - Sleeve (B86) (Used with casting only)	1	
-10d	452 362		BEARING - Race (IRA5) (Used with casting only)	1	
-11	18287-00		PLATE - Bolt stop	2	
-12	41001-00		PULLEY - (2-3/4")	6	
-13	481 623		PULLEY - (AN210-3A)	8	
-14	17239-00		WHEEL ASSEMBLY - Control, brown	2	23-1 to 23-375 inclusive
	17239-05		WHEEL ASSEMBLY - Control, black	2	23-376 to 23-1967 inclusive
	17239-12		WHEEL ASSEMBLY - Control, black	2	23-1968 and up
-15	17804-00		MEDALLION ASSEMBLY - Control wheel	1	
-16	17390-00		BEARING - Control wheel tube	2	23-1 to 23-1870 inclusive
	16851-00		BEARING - Control wheel tube	6	23-1871 to 23-1967 inclusive
	16851-02		BEARING - Control wheel tube	6	23-1968 and up
-17	472 684		LINK - Coupler	4	
-18	80012-95		BUSHING	4	
-19	459 928		EYE - Turnbuckle (AN165-22LS)	1	
-20	452 011		BARREL - Turnbuckle (AN155-32S)	3	
-21	459 930		EYE - Turnbuckle (AN165-22RS)	3	
-22	13445-02		CHAIN ASSEMBLY - Roller (69 links)	1	
-23	13445-03		CHAIN ASSEMBLY - Roller (53 links)	1	
	13445-05		CHAIN ASSEMBLY - Roller (55 links)	1	
-24	13439-03		SPROCKET ASSEMBLY - Control column	1	
-25	13439-02		SPROCKET ASSEMBLY - Control column	1	
-26	17274-00		COLUMN ASSEMBLY - Control	1	23-1 to 23-1870 inclusive
	19711-03		COLUMN ASSEMBLY - Control	1	23-1871 and up
-27	17533-00		BLOCK - Aileron cable rub	2	
-28	81342-11		WASHER	4	
-29	452 342		BEARING	2	23-1 to 23-1956 inclusive
	452 342		BEARING	1	23-1957 and up
-30	13441-04		SPROCKET - Control column, right	1	
	13441-05	C	SPROCKET - Control column, right	1	

A - Used with welded steel aileron bellcrank.
B - Used with cast aluminum aileron bellcrank.
C - Used when AutoControl is installed.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
70-31	13440-04		SPROCKET ASSEMBLY - Control column, left	1	
-32	12520-05		SHAFT - Control column pulley, right	1	
-33	12520-04		SHAFT - Control column pulley, left	1	
-34	452 340		BEARING	4	
-35	85012-58		WASHER - Shim (.012)	AR	
-36	85012-59		WASHER - Shim (.018)	AR	
-37	12734-00		JOINT ASSEMBLY - Universal	2	
-38	19808-00		BLOCK - Aileron cable rub	2	
-39	18011-00		STRIP - Aileron cable rub block	2	
-40	18521-00		STRIP - Aileron cable rub block retaining	2	
-41	18563-00		BLOCK - Rub	2	
-42	17393-04		PLATE - Control wheel tube trim	2	
-43	85012-96		WASHER - Felt	2	23-1 to 23-1870 inclusive
-44	454 867		CLIP - Turnbuckle locking (NAS651-16S)	10	
-45	16182-00		ROD - Control column attachment	1	
-46	452 365		BEARING	2	23-1957 and up
-47	19873-00		BUSHING - Control column dampener	2	23-1957 and up
-48	19874-00		TUBE ASSEMBLY - Control column spacer	1	23-1957 and up
-49	19872-00		WASHER - Cupped	1	23-1957 and up
-50	85012-18		WASHER - Control column	2	23-1957 and up

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

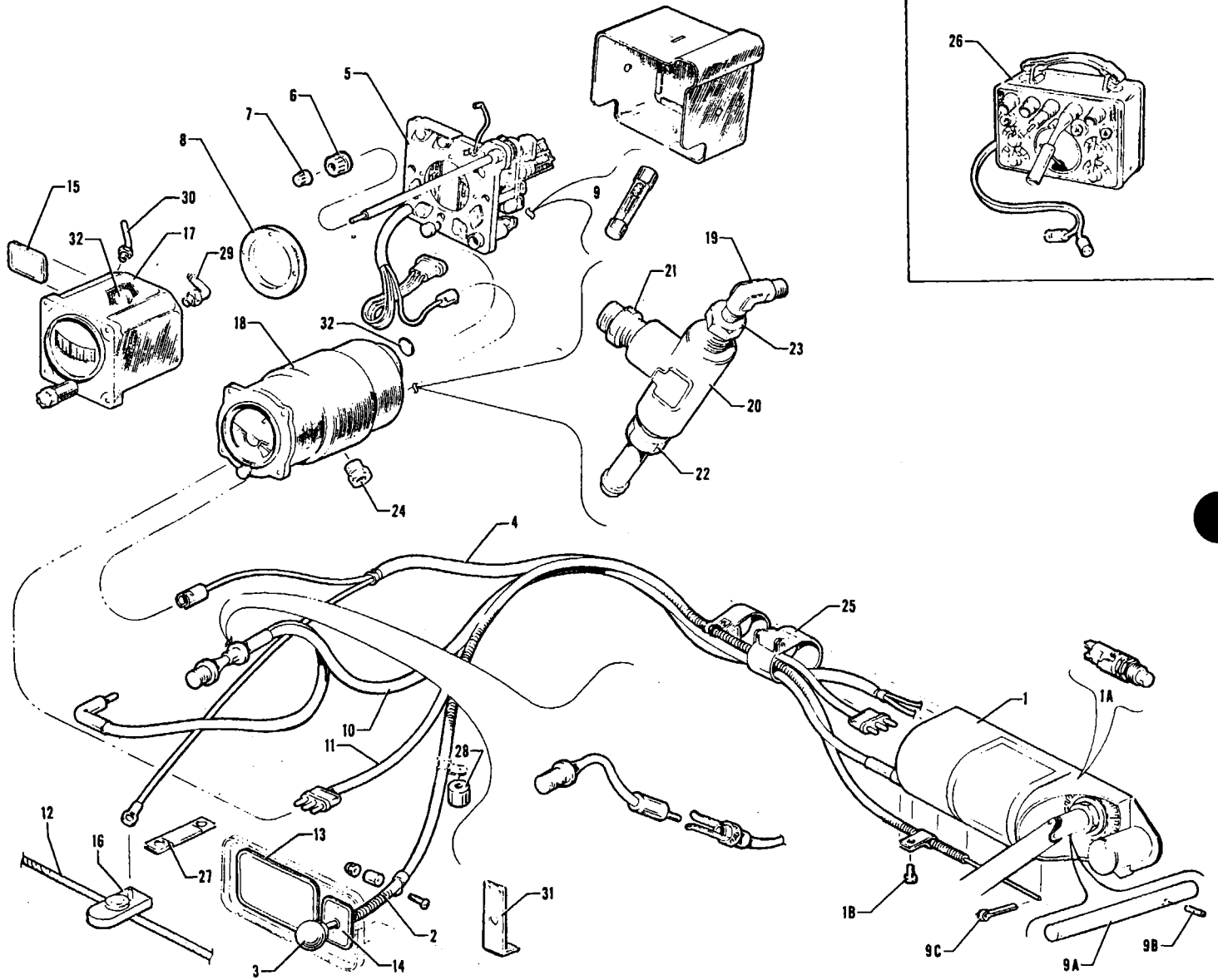


Figure 71. AutoControl I Installation



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
71-	19548 19576		DRAWING - AutoControl I Installation DRAWING - AutoControl I Installation		23-1 to 23-1501 inclusive 23-1502 and up
-1	753 502		MOTOR ASSEMBLY - Roll servo (less engage cable, shaft and roll pin)	1	
-1a	752 967		SWITCH - Roll servo (40518)	1	
-1b	756 112		SCREW - (#8-32 x 1/2" FLH)	1	
-2	751 555		CABLE ASSEMBLY - Control	1	
-3	754 211		KNOB - Engage control	1	
-4	751 520		CABLE ASSEMBLY - Power switch	1	
-5	751 232		AMPLIFIER - (Complete) (1X217)	1	
-6	754 209		KNOB - L-R Turn (36A37)	1	
-7	754 210		KNOB - Trim (36A39)	1	
-8	752 955		RING - Spacer (42A63)	1	
-9	751 783		FUSE - (10 AMP AGC-10)	1	
-9a	752 962		SHAFT - (47A75)	1	
-9b	752 766		ROLL PIN - (22S12)	1	
-9c	424 051		COTTER PIN - (AN380-2-2)	1	
-10	751 521		CABLE ASSEMBLY - (Gyro to servo)	1	
-11	751 522		CABLE ASSEMBLY - (Amplifier to servo)	1	
-12	17652-02		BUSS ASSEMBLY	1	
-13	19561-00	E	PLACARD - Operations	1	
	19993-00	B	PLACARD - Operations	1	
-14	19562-00	E	PLACARD - Push button control	1	
	32079-00	B	PLACARD - Altimatec pilot (directional gyro operations)	1	
-15	19563-00	E	PLACARD - AutoControl (directional gyro operations)	1	
	19991-00	B	PLACARD - AutoControl (directional gyro operations)	1	
-16	454 656		CIRCUIT PROTECTOR - (#2305)	1	
-17	450 725	A	INSTRUMENT - Directional gyro	1	
-18	450 724	A	INSTRUMENT - Gyro horizon	1	
-19	458 893	D	ELBOW - (AN822-3D)	1	23-1502 and up
-20	488 322	D	TEE - (AN917-2D)	1	23-1502 and up
-21	476 651	D	NIPPLE - (AN911-2D)	1	23-1502 and up
-22	476 652	D	ADAPTER - (AN840-6D)	1	23-1502 and up
-23	453 653	D	BUSHING - (3224 x 2)	1	23-1502 and up
	19897-00	D	CONNECTOR ASSEMBLY	1	23-2013 and up
-24	480 937	CD	PLUG - (3152 x 4)	1	23-1 to 23-2012 inclusive
	458 945	CD	ELBOW - (#134A3)	1	23-2013 and up
-25	487 607		STRAP - Elastic (668-4-6DR)	2	
-26	751 412		TESTING EQUIPMENT - (With cables)		
-27	16439-00		BAR - Buss	1	23-1 to 23-1967 inclusive

A - No longer available.
 B - When course selector is installed.
 C - Used when a dual vacuum system installation is installed.
 D - Used when a single vacuum system is installed.
 E - When course selector is not installed.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
71-28	14976-18		BUSHING	1	
-29	453 616	A	BUSHING - (AN912-1D)	1	23-1 to 23-2012 inclusive
-30	458 928	A	ELBOW - 90° (AN842-6D)	1	23-1 to 23-2012 inclusive
	458 945	A	ELBOW - (#134A3)	1	23-2013 and up
-31	458 888	A	ELBOW - 45° (AN823-3D)	1	23-1 to 23-2012 inclusive
-32	17881-03	A	LINE ASSEMBLY	1	23-1 to 23-2012 inclusive
	19897-00	A	CONNECTOR ASSEMBLY	1	23-2013 and up
-33	19886-00		PLATE - AutoControl engage cable mounting	1	23-1957 and up
-34	755 825		PAD - AutoControl instrument filter (2 per instrument)	AR	

A - Used when a dual vacuum system installation is installed.

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

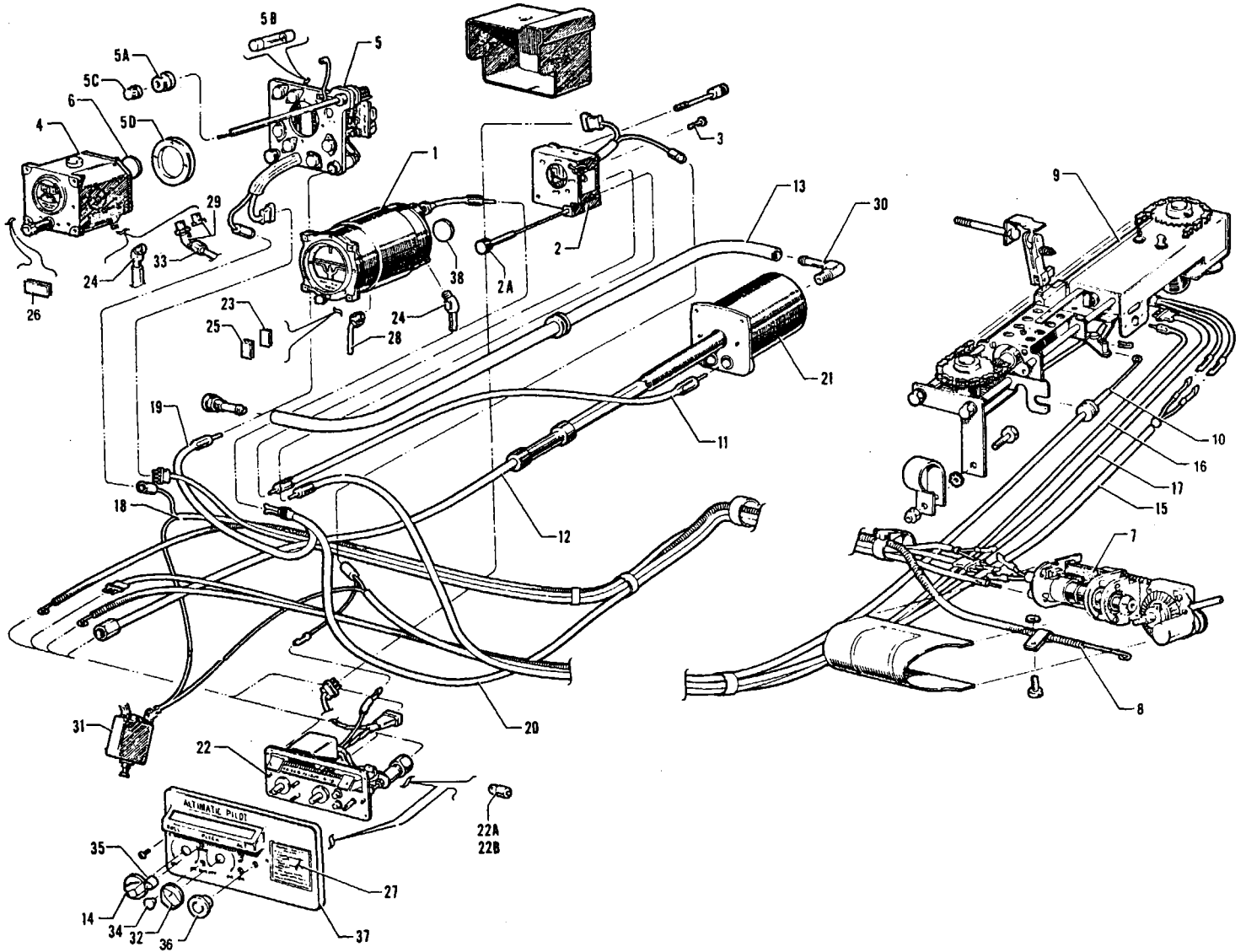


Figure 71A. AltiMatic Pilot I Installation



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
71A-	30275		DRAWING - AltiMatic Pilot I Installation		
-1	450 758	C	INSTRUMENT - Gyro horizon	1	
-2	551 134		AMPLIFIER - Pitch	1	
-2a	754 367		KNOB - Pitch engage	1	
-3	461 416		SCREW - (#6-40 x 3/4") Fillister head	3	
-4	450 757	C	INSTRUMENT - Directional gyro	1	
-5	551 135	D	AMPLIFIER - Roll (1X232)	1	
	751 232		AMPLIFIER - Roll (complete) (1X217)	1	
-5a	754 210		KNOB - Turn trim (36A-39)	1	
-5b	751 783		FUSE - (10 AMP) (AGC-10)	1	
-5c	754 209	E	KNOB - (L-R Turn) (36A37)	1	
-5d	752 955		RING - Spacer (42A63)	1	
-6	755 825		PAD - AutoControl instrument filter (2 per instrument)	AR	
-7	551 129		MOTOR ASSEMBLY - Roll servo	1	
-8	753 844		CABLE - Roll engage control	1	
-9	551 130		MOTOR ASSEMBLY - Pitch servo	1	
-10	753 842		CABLE - Pitch control	1	
-11	753 841		CABLE - Altitude selector	1	
-12	756 124		CABLE - Altitude selector flex shaft	1	
-13	751 947		HOSE - Static air	1	
-14	754 366		KNOB - Roll engage	1	
-15	753 837		CABLE - Power switch	1	
-16	753 839		CABLE - Pitch servo	1	
-17	753 835		CABLE - Pitch servo	1	
-18	751 520		CABLE - Power switch	1	
-19	751 522		CABLE - Roll servo	1	
-20	751 521		CABLE - Roll assembly	1	
-21	551 131		ALTITUDE SELECTOR - (756 133)	1	
-22	753 846		CONSOLE ASSEMBLY - Less knobs and face plate	1	
-22a	751 460		BULB - Effort	2	
-22b	751 461		BULB - Console	1	
-23	19885-00		PLACARD - Altitude hold	1	
-24	19899-00		ELBOW	2	23-1 to 23-2012 inclusive
	19897-00		CONNECTOR ASSEMBLY - Gyro horizon	1	23-2013 and up
	458 945		ELBOW - (#134A3) Directional gyro	1	23-2013 and up
-25	22546-00		PLACARD - Pitch rate, up and down	1	
-26	30279-00		PLACARD - Heading selector	1	
-27	30282-00		PLACARD - Operating instructions	1	
-28	19897-00		CONNECTOR ASSEMBLY - Gyro horizon	1	23-1 to 23-2012 inclusive
	458 945		ELBOW - (#134A3)	2	23-2013 and up
-29	458 888	A	ELBOW - (AN823-3D)	1	23-1 to 23-2012 inclusive
	480 937	B	PLUG - (3152 x 4)	1	23-1 to 23-2012 inclusive
	580 914	B	PLUG - (AN932-3)	1	23-2013 and up

A - Used only when dual vacuum system is installed.
 B - Used only when single vacuum system is installed.
 C - No longer available.
 D - No longer available. Order Part No. 751 232 as a replacement.
 E - Used on Amplifier Part No. 751 232 only.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
71A-30	458 929		ELBOW - (AN842-4D)	1	
-31	454 656		CIRCUIT PROTECTOR - (2305 Wood)	1	
-32	754 365		KNOB - Pitch control	1	
-33	17881-03	A	LINE ASSEMBLY - Vacuum	1	23-1 to 23-2012 inclusive
	19897-00	A	CONNECTOR ASSEMBLY	1	23-2013 and up
-34	754 369		KNOB - Dimmer switch	1	
-35	754 370		KNOB - Calibration	1	
-36	754 368		KNOB - Altitude selector	1	
-37	755 813		PLATE - Console face	1	
A - Used only when dual vacuum system is installed.					

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

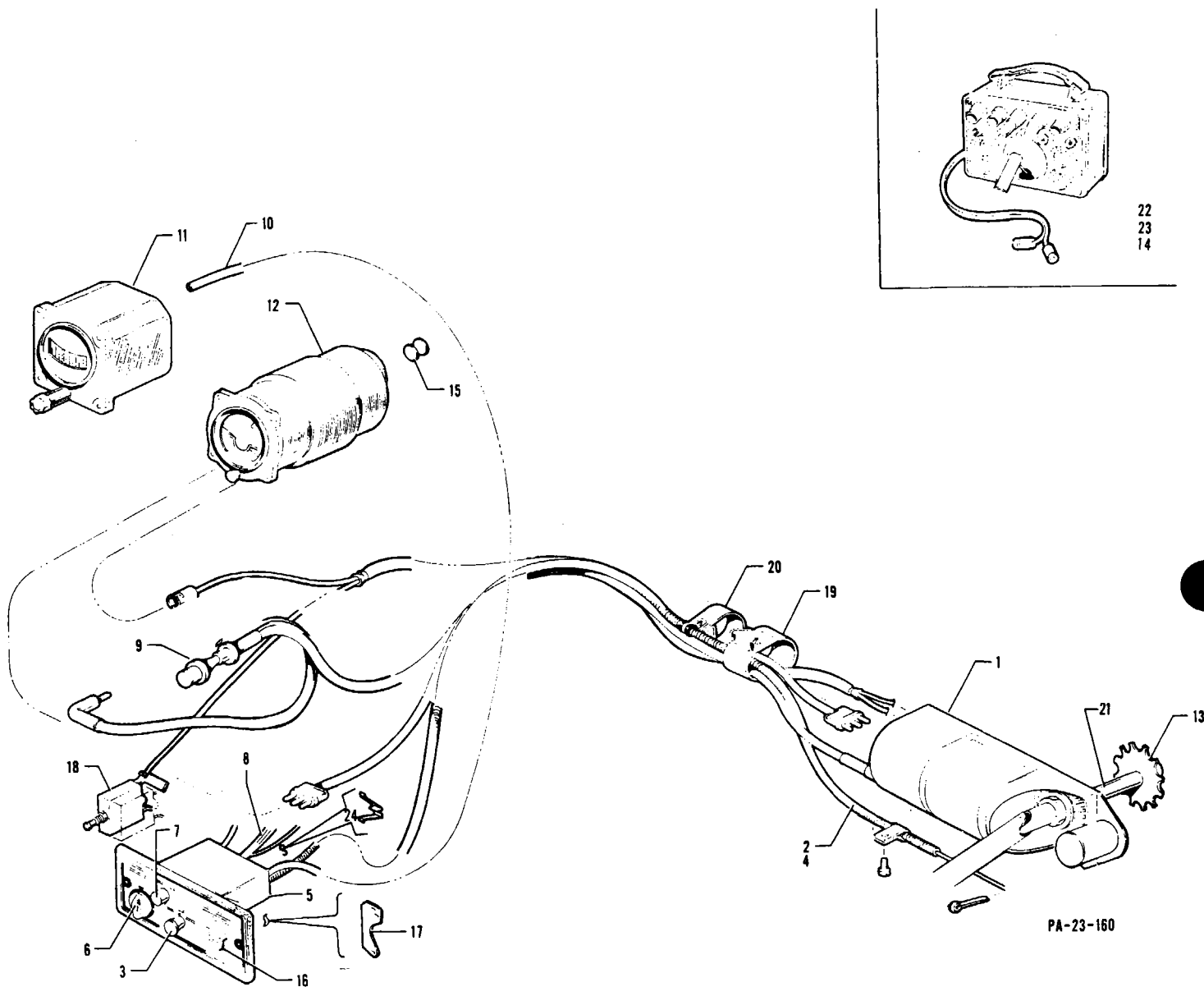


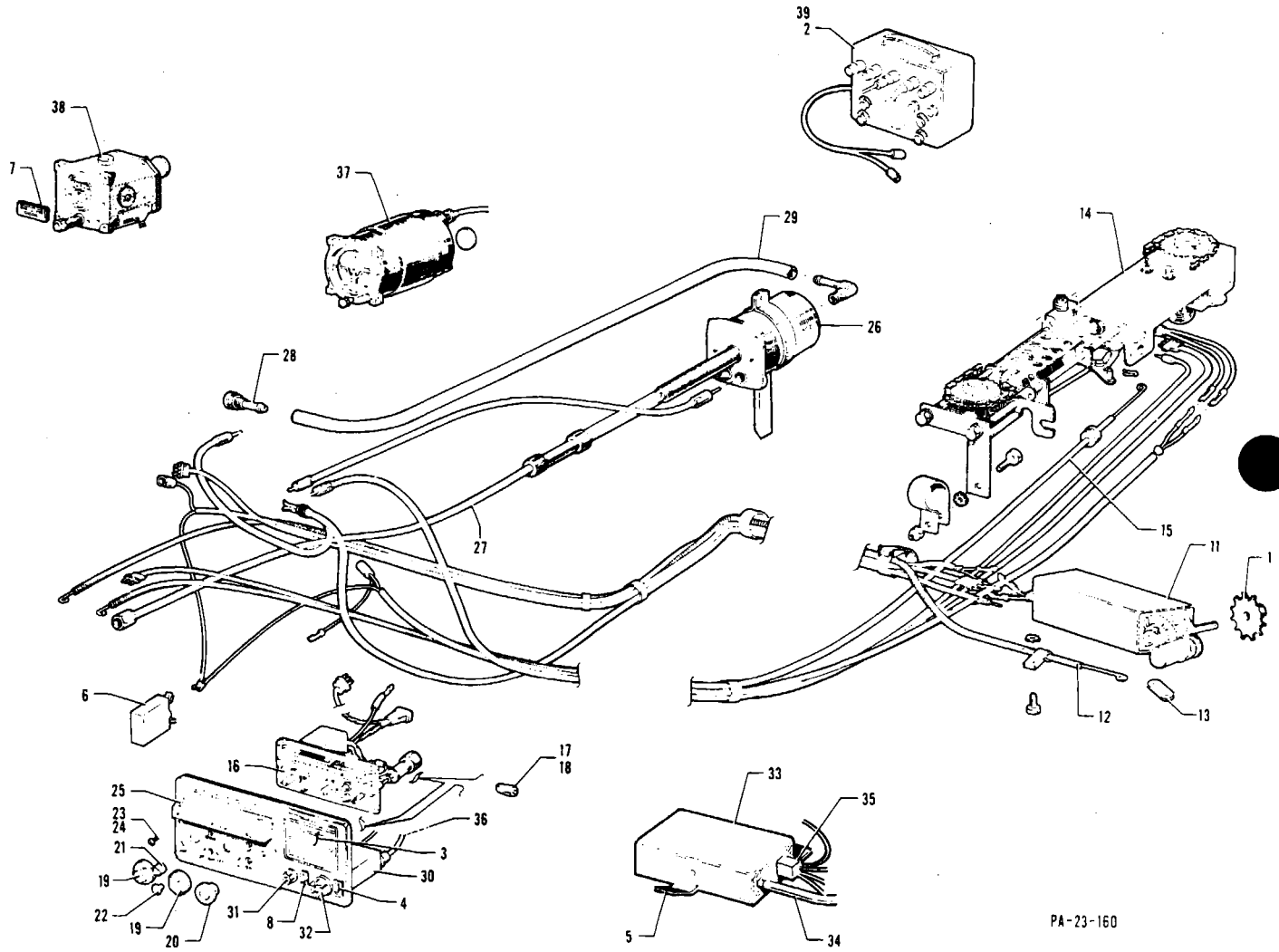
Figure 71B. AutoControl II Installation



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
71B-	30989 31052		DRAWING - AutoControl II Installation DRAWING - AutoControl II Schematic		23-1502 and up 23-1502 and up
-1	753 636		MOTOR ASSEMBLY - Roll servo (1X221-E-AZ)	1	
-2	753 875		CABLE ASSEMBLY - Engage control (30A139-50)	1	
-3	756 716		KNOB - Engage control cable (36S92)	1	
-4	752 333		LEVER - Engage (30A83)	1	
-5	753 877		CONSOLE - Amplifier assembly (1X214E)	1	
-6	754 366		KNOB - Turn and trim (36A77)	1	
-7	756 720		BUTTON - Heading lock (36S93)	1	
-8	751 954		HARNES ASSEMBLY - (30B116-1)	1	
-9	753 879		CABLE ASSEMBLY - Servo motor (30A53-42)	1	
-10	753 036		HOSE - Air, amplifier to directional gyro (47A147-24)	1	
-11	450 795	A	INSTRUMENT - Directional gyro (52B15-E)	1	
-12	450 724	A	INSTRUMENT - Gyro horizon	1	
-13	13441-05		SPROCKET	1	
-14	753 880		CABLE - Test (30B116-1-T)	1	
-15	755 825		RAD - Gyro instrument filter (2 per instrument)	AR	
-16	31042-00		PLACARD - Operation	1	
-17	31045-00		BRACKET - Console mounting, left	1	
	31045-01		BRACKET - Console mounting, right	1	
-18	454 664		CIRCUIT PROTECTOR - (CB-3003)	1	
-19	487 607		STRAP ASSEMBLY - (668-4-6DR)	1	
-20	487 624		STRAP ASSEMBLY - (G-123)	2	
-21	752 962		SHAFT - (47A75)	1	
-22	751 412		TEST EQUIPMENT	1	
-23	756 737		ADAPTER - Test kit (66A44)	1	
-24	756 257		SPRING - Retainer	1	

A - No longer available.

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



PA-23-160

Figure 71C. AltiMatic Pilot II Installation

REVISED: MAY 1977

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PA-23-160



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
71C-	30992 30995		DRAWING - Altimatic Pilot II Installation DRAWING - Altimatic Pilot II Schematic		23-1968 and up 23-1968 and up
-1	13441-05		SPROCKET	1	
-2	756 706		ADAPTER - Test kit (66B58)	1	
-3	30282-00		PLACARD - Operating instruction	1	
-4	19885-00		PLACARD - Altitude hold	1	
-5	30994-00		PLATE - Amplifier mounting	1	
-6	454 656		CIRCUIT PROTECTOR - (2305)	1	
-7	30279-00		PLACARD - Heading selector	1	
-8	22546-02		PLACARD - Pitch rate	1	
-9	753 873		CABLE - Test (30D131)	1	
-10	755 825		PAD - Gyro instrument filter (2 per instrument)	AR	
-11	753 636		MOTOR ASSEMBLY - Roll servo (1X221-E-A) (Less engage cable and lever)	1	
-12	753 871		CABLE - Roll servo engage (30A72-48)	1	
-13	752 334		LEVER - Roll servo engage	1	
-14	753 635		MOTOR ASSEMBLY - Pitch servo (1X222-A1)	1	
-15	753 842		CABLE - Pitch servo engage (30A72-54A)	1	
-16	753 868		CONSOLE ASSEMBLY - (Less face plate (1X227-E)	1	
-17	751 460		BULB - Effort light	2	
-18	751 461		BULB - Console light	2	
-19	754 366		KNOB - Engage (36A77)	2	
-20	754 368		KNOB - Altitude selector (36A54)	1	
-21	754 370		KNOB - Calibration (36A75)	1	
-22	754 369		KNOB - Dimmer (36A76)	1	
-23	753 190		WASHER - (4S88B-2)	2	
-24	756 146		SCREW - (3S131B)	2	
-25	755 832		PLATE - Face (13B109E)	1	
-26	551 131		ALTITUDE SELECTOR - (1X225)	1	
-27	756 124		CABLE - Altitude selector (81A8-20A)	1	
-28	755 833		STATIC PORT ASSEMBLY - (43A97)	1	
-29	753 036		TUBING - (47S147-36)	1	
-30	751 240		CONTROL ASSEMBLY - (1X246)	1	
-31	754 364		KNOB - Trim roll (36A39)	1	
-32	754 365		KNOB - Trim pitch (36A73)	1	
-33	751 239		AMPLIFIER - (1X247)	1	
-34	753 035		TUBING - Air (47S147-14)	1	
-35	751 953		HARNESS ASSEMBLY - (30D131)	1	
-36	753 841		CABLE - Altitude selector (30A79)	1	
-37	752 093	A	INSTRUMENT - Gyro horizon (52D21-1)	1	
-38	752 092	A	INSTRUMENT - Directional gyro (52D27-E)	1	
-39	751 412		TEST EQUIPMENT	1	

A - No longer available.

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

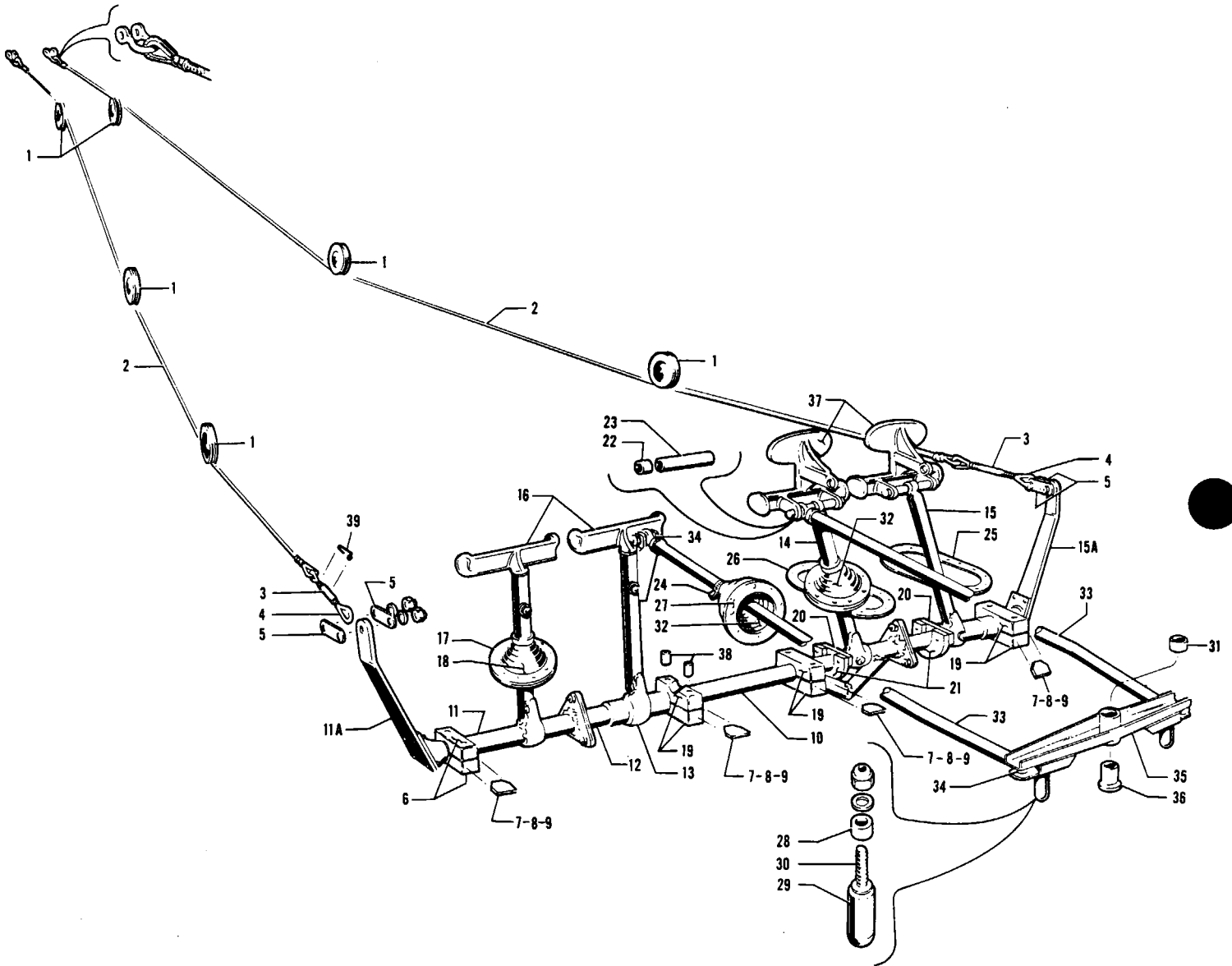


Figure 72. Rudder Controls Installation



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
72-	17301 17462		DRAWING - Cockpit Controls Installation DRAWING - Control System Installation		
-1	41001-00		PULLEY - Fiber (2 3/4")	6	
-2	40123-97		CABLE - Rudder control	2	
-3	452 011		BARREL - Turnbuckle (AN155-32S)	2	
-4	459 930		EYE - Turnbuckle (AN165-22RS)	2	
-5	81262-14		LINK	4	
-6	17203-02		BEARING - Rudder pedal torque tube	2	
-7	41371-02		SHIM - Torque tube bearing (.010)	AR	
-8	41371-03		SHIM - Torque tube bearing (.015)	AR	
-9	41371-04		SHIM - Torque tube bearing (.032)	AR	
-10	17300-00		TUBE ASSEMBLY - Rudder pedal torque	1	23-1 to 23-1870 inclusive
	19736-00	A	TUBE ASSEMBLY - Rudder pedal torque	1	
	23-7149	B	TUBE ASSEMBLY - Rudder pedal torque	1	
-11	17290-00		TUBE ASSEMBLY - Rudder pedal right torque	1	23-1 to 23-1870 inclusive
	19709-00	A	TUBE ASSEMBLY - Rudder pedal right torque	1	
	753 029	B	TUBE ASSEMBLY - Rudder pedal tight torque	1	
-11a	17295-00	C	ARM - Rudder pedal torque	1	
	19702-01	B	ARM - Rudder pedal torque	1	
-12	17293-00	C	TUBE ASSEMBLY - Rudder pedal connector	1	
	17293 M	B	TUBE ASSEMBLY - Rudder pedal connector	1	
-13	17294-00		TUBE ASSEMBLY - Rudder pedal center torque	1	23-1 to 23-1870 inclusive
	16242-00	A	TUBE ASSEMBLY - Rudder pedal center torque	1	
	753 030	B	TUBE ASSEMBLY - Rudder pedal center torque	1	
-14	17291-00		TUBE ASSEMBLY - Rudder pedal mounting	1	23-1 to 23-1870 inclusive
	16249-00		TUBE ASSEMBLY - Rudder pedal mounting	1	23-1871 and up
-15	17292-00		TUBE ASSEMBLY - Rudder pedal left torque	1	23-1 to 23-1870 inclusive
	19708-00		TUBE ASSEMBLY - Rudder pedal left torque	1	23-1871 and up
-15a	17295-00	C	ARM - Rudder pedal torque	1	
	19702-00	B	ARM - Rudder pedal torque	1	
-16	17530-00		PEDAL - Rudder	2	
-17	17902-00		PLATE - Rudder pedal boot attachment	2	23-1 to 23-1870 inclusive
	16256-00		PLATE - Rudder pedal boot attachment	2	23-1871 and up
-18	17473-00		BOOT - Rudder pedal	2	
-19	17203-03		BEARING - Rudder pedal torque tube	6	
-20	17204-02		BEARING - Rudder pedal torque tube upper	2	
-21	17204-03		BEARING - Rudder pedal torque tube lower	2	
-22	14175-22		BUSHING	1	
-23	14175-23		BUSHING	1	
-24	454 922		CLAMP - Tinnerman (A3122-12-1)	2	
-25	17903-00	C	PLATE - Pilots left rudder pedal boot attachment	1	
	17903-00	B	PLATE - Pilots rudder pedal attachment, left outboard, right inboard	2	
			A - Used on PA-23-160 with serial nos. 23-1871 to 23-1976, 23-1978 to 23-1980, 23-1982, 23-1983 and 23-1988 to 23-2043.		
			B - Used on PA-23-160 with serial nos. 23-1977, 23-1981, 23-1984 to 23-1987 and 23-2044 to 23-2046.		
			C - Used on PA-23-150, PA-23-160 with serial nos. 23-1 to 23-1976, 23-1978 to 23-1980, 23-1982, 23-1983 and 23-1988 to 23-2043.		

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
72-26	17903-02	A	PLATE - Pilots right rudder pedal boot attachment	1	
	17903-02	B	PLATE - Pilots rudder pedal attachment, right outboard, right inboard	2	
-27	17902-02		PLATE - Steering rod boot attachment	2	
-28	80012-20		BUSHING	2	
-29	80012-91		BUSHING	2	
-30	17312-00		PIN - Nose gear steering horn	2	23-1 to 23-2019 inclusive
	400 015		BOLT - Nose gear steering horn (AN4-22A)	2	23-2020 and up
	19513-33		WASHER - Nose gear steering horn	2	23-2020 and up
	14976-76		BUSHING - Nose gear steering horn, inner	2	23-2020 and up
-31	80012-92		BUSHING	1	
-32	17473-00		BOOT - Rudder pedal and steering rod	4	
-33	17314-00		ROD ASSEMBLY - Nose gear steering	2	23-1 to 23-1870 inclusive
	16238-00		ROD ASSEMBLY - Nose gear steering	2	23-1871 and up
-34	452 383		BEARING - Rod end (TRE-4-10)	2	
-35	17310-00		HORN ASSEMBLY - Nose gear steering	1	
-36	17311-00		BUSHING - Nose gear steering horn	1	
-37	17567-00	A	PEDAL - Brake and rudder	2	
	17567-00	B	PEDAL - Brake and rudder	4	
-38	14175-90		BUSHING	2	
-39	454 867		CLIP - Turnbuckle locking (NAS651-16S)	4	

A - Used on PA-23-150, PA-23-160 with serial nos. 23-1 to 23-1976, 23-1978 to 23-1980, 23-1982, 23-1983 and 23-1988 to 23-2043.
 B - Used on PA-23-160 with serial nos. 23-1977, 23-1981, 23-1984 to 23-1987 and 23-2044 to 23-2046.

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

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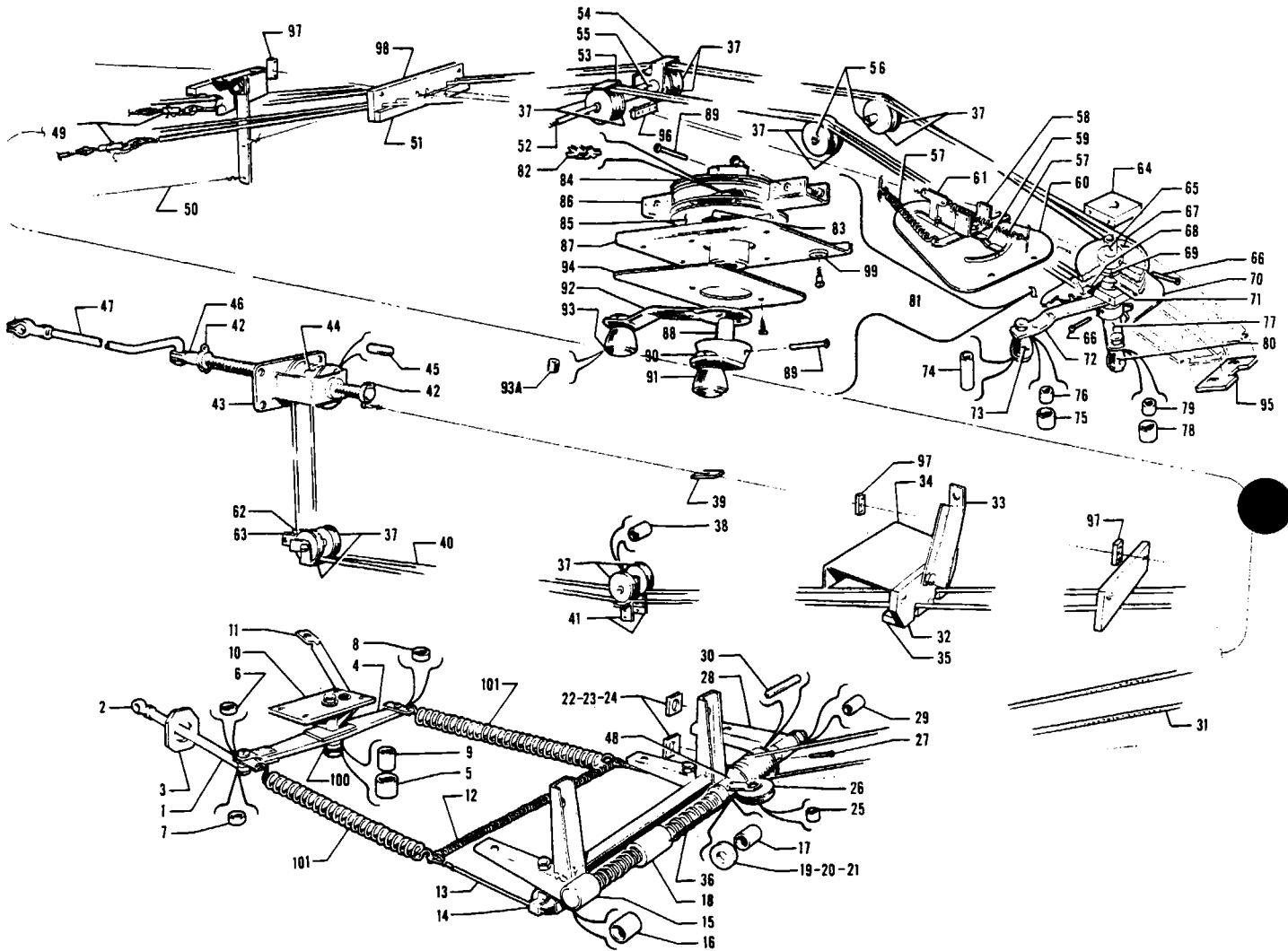


Figure 73. Tail Trim Mechanism Installation

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
73-	17415 17462		DRAWING - Tail Trim Mechanism Installation DRAWING - Control System Installation		
-1	18138-00		ROD ASSEMBLY - Elevator bungee actuating	1	
-2	452 383		BEARING	2	
-3	18136-00		BLOCK - Rub	1	
-4	18124-00		BELLCRANK ASSEMBLY - Elevator bungee	1	
-5	452 355		BEARING	1	
-6	14175-55		BUSHING	1	
-7	14175-56		BUSHING	1	
-8	14175-57		BUSHING	1	
-9	14175-67		BUSHING	1	
-10	18119-00		BRACKET ASSEMBLY - Elevator bungee bellcrank	1	
-11	18139-00		TUBE - Elevator bungee bellcrank brace	1	
-12	487 291		SPRING - (#180C)	1	
-13	18401-00		CABLE ASSEMBLY - Elevator bungee	1	
-14	18142-01		GUARD - Pulley, right	1	
	18142-00		GUARD - Pulley, left	1	
-15	18123-00		BRACKET ASSEMBLY - Elevator bungee screw support	1	
-16	452 350		BEARING - Oilite (A710-6)	1	
-17	452 351		BEARING - Oilite (A532-1)	1	
-18	18400-00		NUT ASSEMBLY - Bungee screw	1	
-19	80122-75		WASHER - (.003)	AR	
-20	80122-76		WASHER - (.005)	AR	
-21	80122-77		WASHER - (.010)	AR	
-22	81342-77		WASHER - (.003)	AR	
-23	81342-78		WASHER - (.005)	AR	
-24	81342-79		WASHER - (.010)	AR	
-25	14175-68		BUSHING	1	
-26	43001-00		PULLEY - Idler	1	
-27	480 683		PIN - Roll (#59-028-125-0687)	1	
-28	18120-00		BRACKET ASSEMBLY - Elevator bungee screw outer support	1	
			BEARING - Oilite (A532-1)	1	
-29	452 351			1	
-30	17089-02		PIN	1	
-31	40123-99		CABLE ASSEMBLY - Elevator trim	1	23-1 to 23-2012 inclusive
	16960-04		CABLE ASSEMBLY - Elevator trim	1	23-2013 and up
	14300-10		CABLE ASSEMBLY - Rudder trim, forward	2	23-2013 and up
-32	17745-00		BLOCK - Control cable rub	1	
-33	18455-00		BRACKET - Rudder trim cable rub block support	1	
-34	18454-00		BRACKET - Rudder trim cable rub block support	1	
-35	17408-02		STRIP - Cable retaining	1	
-36	18106-00		SCREW - Bungee	1	
-37	481 621		PULLEY - (AN210-B)	12	
-38	14175-04		BUSHING	2	
-39	17796-00		BLOCK - Indicator wire rub	1	
-40	40123-98		CABLE ASSEMBLY - Rudder trim	1	23-1 to 23-2012 inclusive
	16960-03		CABLE - Rudder trim, drum	1	23-2013 and up
-41	17540-06		GUARD- Pulley	2	
-42	17086-00		COLLAR - Rudder trim tab screw	2	
-43	17087-00		BRACKET ASSEMBLY - Rudder trim tab screw	1	
-44	17088-00		DRUM - Rudder trim tab	1	
-45	83285-02		PIN	1	
-46	18453-02		SCREW - Rudder trim tab	1	

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
73-47	17271-00		ROD ASSEMBLY - Rudder trim tab control	1	
-48	18108-00		DRUM - Trim control	1	
-49	452 019		BARREL - (AN155-5S)	4	
-50	151 310		WIRE - Steel (.025) indicator, rudder trim and elevator trim	35	
-51	17408-00		STRIP - Cable retaining	1	
-52	14183-02		ROD - Threaded	1	
-53	17479-01		GUARD - Cable	1	
-54	17479-00		GUARD - Cable	1	
-55	14175-11		BUSHING	1	
-56	14175-05		BUSHING	2	
-57	42891-00		SPRING - Stabilizer indicator return	2	
-58	17444-00		BRACKET - Indicator tee attachment	1	
-59	17443-00		TEE ASSEMBLY - Rudder trim indicator	1	
-60	17441-00		PLACARD - Tail trim indicator, brown	1	23-1 to 23-375 inclusive
	17441-03		PLACARD - Tail trim indicator, black	1	23-376 and up
-61	17442-00		TEE ASSEMBLY - Elevator trim indicator	1	
-62	17540-04		GUARD - Pulley	1	
-63	17540-05		GUARD - Pulley	1	
-64	17447-00		BLOCK - Trim crank upper	1	23-1 to 23-80 inclusive
-65	17449-00		TUBE - Trim crank connector	1	23-1 to 23-80 inclusive
-66	480 682		PIN - Roll (#59-022-094-0750)	2	23-1 to 23-80 inclusive
-67	17446-00		PULLEY - Rudder trim cable	1	23-1 to 23-80 inclusive
-68	17445-00		PULLEY - Elevator trim cable	1	23-1 to 23-80 inclusive
-69	14175-10		BUSHING	1	23-1 to 23-80 inclusive
-70	17895-00		PLACARD - Tail trim control	1	23-1 to 23-80 inclusive
-71	17448-00		BLOCK - Trim crank lower	1	23-1 to 23-80 inclusive
-72	17452-00		CRANK ASSEMBLY - Elevator trim	1	23-1 to 23-80 inclusive
-73	17457-03		KNOB - Plastic	1	23-1 to 23-80 inclusive
-74	467 045		INSERT - Threaded	1	23-1 to 23-80 inclusive
-75	14175-08		BUSHING	1	23-1 to 23-80 inclusive
-76	14175-09		BUSHING	1	23-1 to 23-80 inclusive
-77	17453-00		CRANK ASSEMBLY - Rudder trim	1	23-1 to 23-80 inclusive
-78	14175-08		BUSHING	1	23-1 to 23-80 inclusive
-79	14175-09		BUSHING	1	23-1 to 23-80 inclusive
-80	17457-02		KNOB - Plastic	1	23-1 to 23-80 inclusive
-81	18635-00		CONTROL ASSEMBLY - Tail trim, brown	1	23-81 to 23-375 inclusive
	18635-03		CONTROL ASSEMBLY - Tail trim, black	1	23-376 and up
-82	408 801		WASHER - Spring (3562-32-00)	1	23-81 and up
-83	408 802		WASHER - Spring (3572-39-00)	1	23-81 and up
-84	18503-00		PULLEY ASSEMBLY - Rudder trim cable	1	23-81 and up
-85	18505-00		PULLEY ASSEMBLY - Elevator trim cable	1	23-81 and up
-86	18510-00		BRACKET ASSEMBLY - Trim crank	1	23-81 and up
-87	18499-00		BRACKET ASSEMBLY - Trim crank bearing	1	23-81 and up
-88	18501-00		PIN - Trim crank control assembly	1	23-81 and up
-89	480 682		PIN - Roll (#59-022-094-0750)	2	23-81 and up
-90	18507-00		CRANK ASSEMBLY - Rudder trim, brown	1	23-81 to 23-375 inclusive
	18507-02		CRANK ASSEMBLY - Rudder trim, black	1	23-376 and up
-91	17457-02		KNOB - Plastic, brown	1	23-1 to 23-375 inclusive
	471 063		KNOB - (#113 black)	1	23-376 and up
-92	18500-00		CRANK ASSEMBLY - Elevator trim, brown	1	23-81 to 23-375 inclusive
	18500-02		CRANK ASSEMBLY - Elevator trim, black	1	23-376 and up
-93	17457-03		KNOB - Plastic, brown	1	23-1 to 23-375 inclusive
	471 065		KNOB - (#187 black)	1	23-376 and up
-93a	467 045		INSERT - Threaded	1	

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
73-94	17895-03		PLACARD - Tail trim control, brown	1	23-81 to 23-375 inclusive
	17895-04		PLACARD - Tail trim control, black	1	23-81 and up
-95	18502-00		BLOCK - Trim cable rub	1	23-81 and up
-96	17385-00		BLOCK - Trim indicator wire rub	1	
-97	17384-00		BLOCK - Trim indicator wire rub	3	
-98	17403-00		BLOCK - Control cable rub	1	
-99	81342-61		WASHER	4	
-100	80122-18		WASHER	1	
-101	83302-27		SPRING - Elevator bungee	2	

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

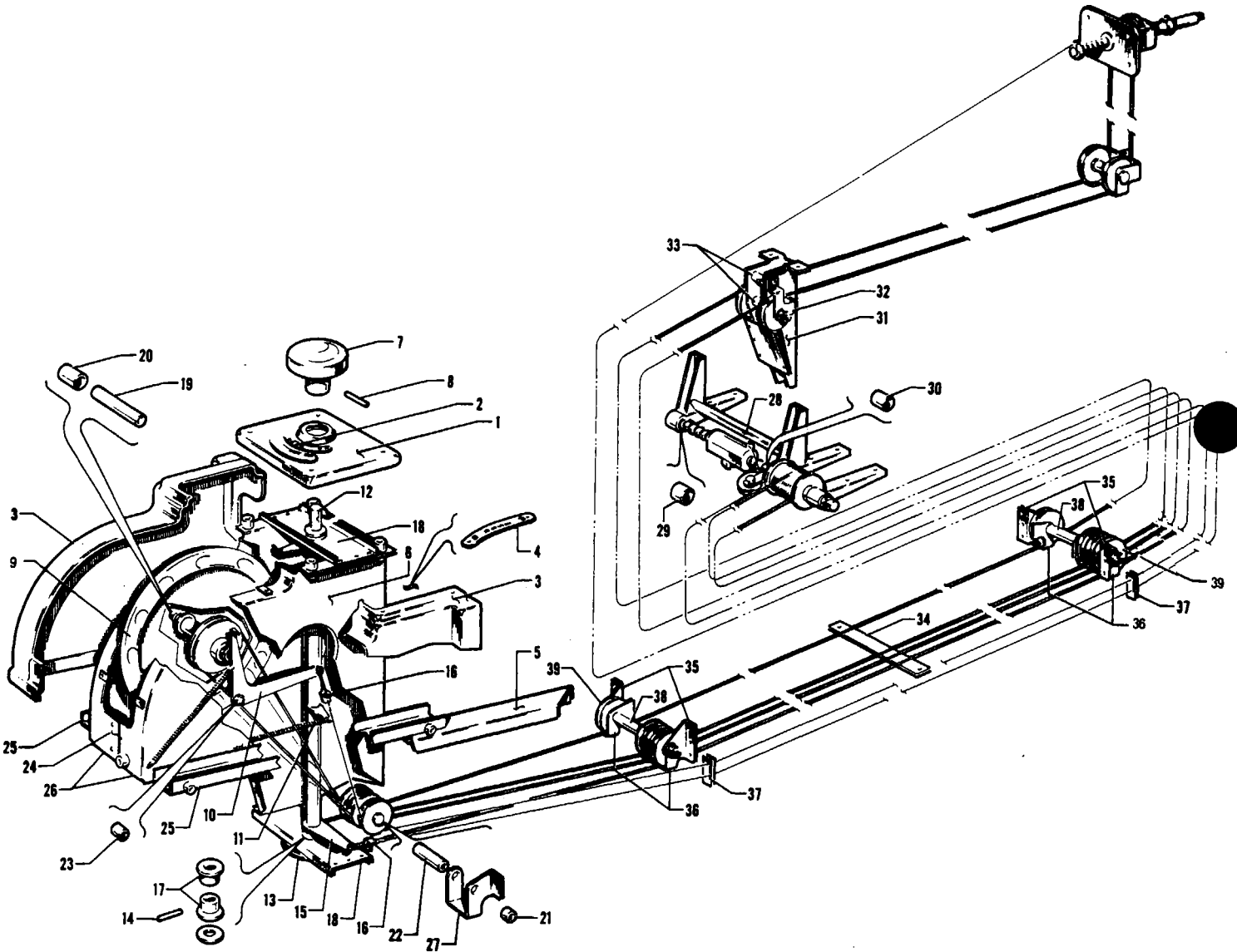


Figure 73A. Tail Trim Mechanism Installation
(used on Special English Apache Only)



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
73A-	23-7143 23-7142		DRAWING - Trim Mechanism Installation, Cockpit DRAWING - Trim System Installation		
-1	23-7145		COVER ASSEMBLY - Upper trim mechanism	1	
-2	23-7145-2		PLACARD - Nose, left and right	1	
-3	23-7144		COVER ASSEMBLY - Trim mechanism, left side	1	
	23-7144-1		COVER ASSEMBLY - Trim mechanism, right side	1	
-4	23-7144-2		PLACARD - Nose, up and down	1	
-5	23-7137-8		CHANNEL ASSEMBLY - Trim mechanism mounting, left	1	
	23-7137-7		CHANNEL ASSEMBLY - Trim mechanism mounting, right	1	
-6	23-7148		SUPPORT ASSEMBLY - Trim wheels	1	
-7	471 086		KNOB - (M354-P) black	1	
-8			ROLL PIN - (3/32 x 5/8" L)	1	
-9	23-7130		WHEEL - Elevator trim	1	
-10	23-7147		INDICATOR - Elevator trim	1	
-11	42891-00		SPRING - Elevator trim indicator and rudder trim shaft	2	
-12	23-7131		SHAFT - Rudder trim	1	
-13	18503-00		PULLEY	1	
-14			ROLL PIN - (3/32 x 3/4" L)	1	
-15	23-7132		INDICATOR - Rudder trim	1	
-16	19128-00		ANGLE - Rudder and elevator trim indicators	2	
-17	452 390		BEARING - Rudder trim shaft (#F-520-3)	2	
-18	23-7146		PLATE - Bearing, rudder trim shaft	2	
-19	23-7148-2		BUSHING - Elevator trim pulley, upper (2-1/4" L)	1	
-20	23-7148-3		BUSHING - Elevator trim pulley, upper (21/32" L)	1	
-21	23-7148-4		BUSHING - Elevator trim pulley, lower (3/16" L)	1	
-22	23-7142-2		BUSHING - Elevator trim pulley, lower (1-5/8" L)	1	
-23	14175-62		BUSHING - Elevator trim indicator attachment	1	
-24	23-7129		SUPPORT ASSEMBLY - Trim wheel, left	1	
	23-7129-1		SUPPORT ASSEMBLY - Trim wheel, right	1	
-25	23-7129-2		CHANNEL	2	
-26	23-7129-3		BRACKET - Left	1	
	23-7129-4		BRACKET - Right	1	
-27	23-7148-5		BRACKET - Lower elevator pulley guard	1	
-28	18123 M		BRACKET ASSEMBLY - Elevator bungee screw support, Sta. 266-1/8"	1	
-29	452 350		BEARING - Oilite (A710-6)	1	
-30	452 351		BEARING - Oilite (A532-1)	1	
-31	17124 M		BRACKET ASSEMBLY - Bungee cable pulley, Sta. 266-1/8"	1	
-32	17540-02		GUARD - Pulley, left side, Sta. 266-1/8"	1	
	17540-03		GUARD - Pulley, right side, Sta. 266-1/8"	1	
-33	14175-04		BUSHING - Bungee, Sta. 266-1/8"	2	
-34	23-7142-3		STRIP - Hard fiber, rub, Sta. 123-5/8"	1	
-35	17280-00		BRACKET - Pulley mounting, Sta. 95-1/2" and 153-7/8"	4	
-36	23-7141-4		GUARD - Pulley, left, Sta. 95-1/2" and 153-7/8"	2	
	23-7141-2		GUARD - Pulley, right, Sta. 95-1/2" and 153-7/8"	2	
-37	17385-00		BLOCK - Rub, Sta. 95-1/2" and 153-7/8"	2	
-38	23-7142-2		SPACER - Pulley, (1-5/8" L) Sta. 95-1/2" and 153-7/8"	2	
-39	481 621		PULLEY - (AN210-1B)	8	

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

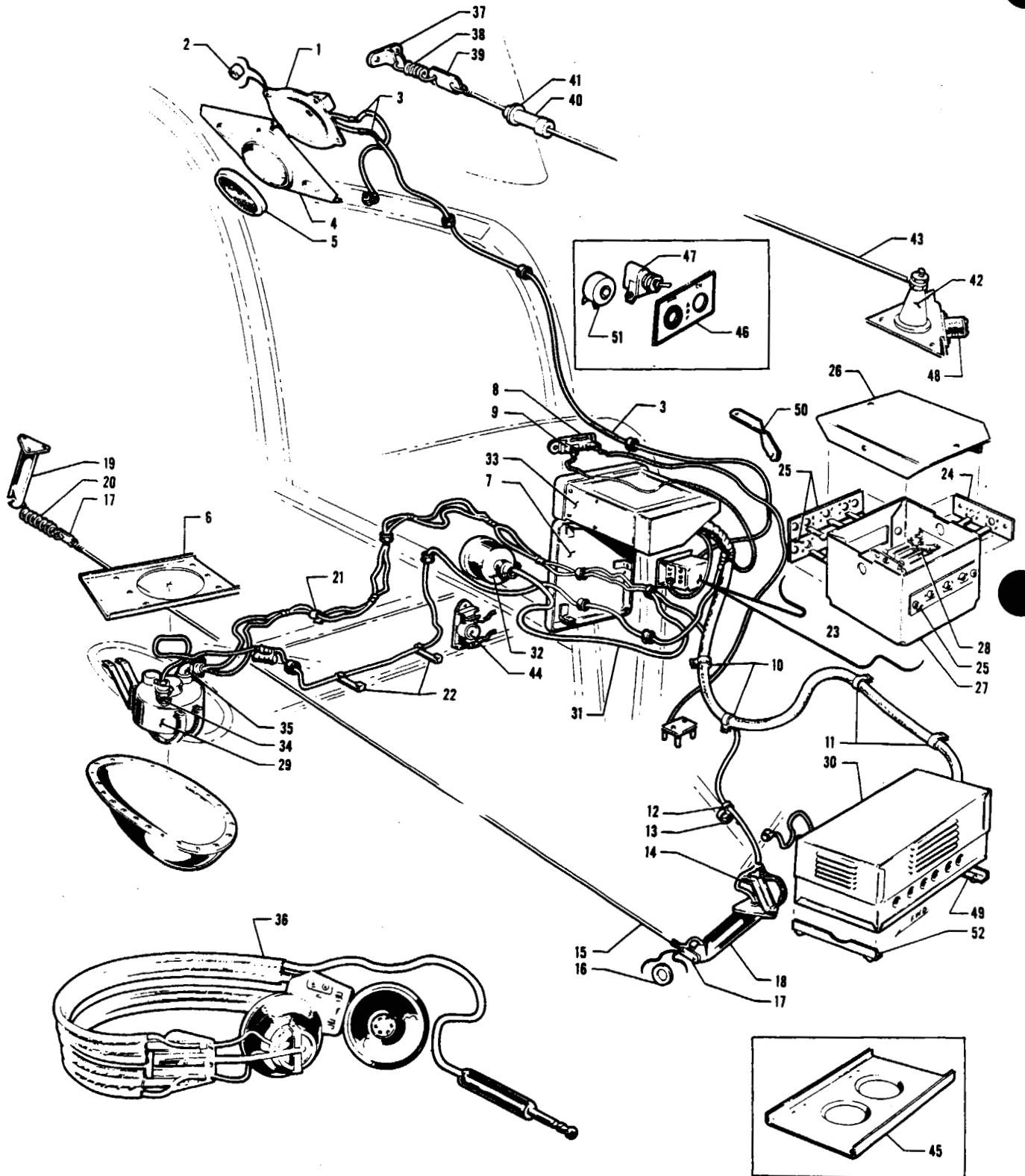


Figure 74. Lear Radio Installation - ADF-12 and ADF-14



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
74-	18025 19081 19084 18756		DRAWING - Radio Installation DRAWING - ADF-12 and ADF-14 Radio Installation DRAWING - Radio Equipment Installation DRAWING - Overhead Antenna Installation		23-1 to 23-746 inclusive 23-747 and up 23-747 and up
-1	18478-00		SPEAKER ASSEMBLY - Radio	1	
-2	14175-47		BUSHING	4	
-3	90797-06		SLEEVE - Insulation	3	
-4	18012-00		BRACKET ASSEMBLY - Speaker mounting	1	
-5	18004-00		PANEL ASSEMBLY - Speaker, brown	1	23-1 to 23-375 inclusive
	18004-04		PANEL ASSEMBLY - Speaker, gray	1	23-376 to 23-1501 inclusive
	18004-06		PANEL ASSEMBLY - Speaker, gray	1	23-1502 and up
-6	18282-00		BRACKET - ADF loop attachment	1	23-1 to 23-226 inclusive
	18655-00		BRACKET - ADF loop attachment	1	23-227 and up
-7	18523-00		PANEL - Radio opening cover	1	
-8	18148-00		PLACARD - ADF switch, brown (ADF-12)	1	23-1 to 23-375 inclusive
	18148-03		PLACARD - ADF switch, black (ADF-12)	1	23-376 and up
-9	487 799		SWITCH - Slide button (#8480K1) (ADF-12)	1	
-10	454 966		CLAMP - Plastic	2	
-11	454 962		CLAMP - Plastic	2	
-12	454 955		CLAMP - Plastic	1	
-13	454 940		CLAMP - Tinnerman (A2980S-12-1)	1	
-14	17956-00		BRACKET - Front antenna mast	1	23-1 to 23-206 inclusive
-15	17953-00		WIRE ASSEMBLY - Antenna	1	
-16	14175-41		BUSHING	1	
-17	17954-00		LINK - Antenna wire	2	23-1 to 23-206 inclusive
-18	17949-00		MAST ASSEMBLY - Front antenna	1	23-1 to 23-206 inclusive
-19	17950-00		MAST ASSEMBLY - Rear antenna	1	23-1 to 23-206 inclusive
-20	17783-00		SPRING - Antenna tension	1	
-21	454 958		CLAMP - Plastic	2	
-22	17911-00		CLIP ASSEMBLY - Wire attachment	1	23-1 to 23-206 inclusive
-23	18083-00		BOX ASSEMBLY - Relay	1	
-24	488 430		TERMINAL - (2 Post)	1	
-25	488 431		TERMINAL - (3 Post)	3	
-26	18085-00		LID - Relay box	1	
-27	18084-00		BOX - Relay	1	
-28	484 360		RELAY	1	
-29		A	LOOP - Antenna LFL-2 (6384)	1	
-30		A	POWER SUPPLY - (ADF-12) (701153)	1	
-31		A	CABLE ASSEMBLY - Indicator (97544-18)	1	
-32		A	INDICATOR - (97536)	1	
-33		A	TUNER - (ADF-12) (701150)	1	
-34		A	PLUG - Coaxial cable	1	
-35		A	PLUG - Loop motor	1	
-36	464 326		HEADPHONE - (P-23) (300 OHM)	1	
-37	18678-00		BRACKET - Sensing mounting attachment	1	
-38	17783-00		SPRING	1	
-39	17955-00		LINK	1	23-207 and up
-40	18670-00		BUSHING	1	23-207 and up

A - Not available through Piper Aircraft Corporation.
Secure from Lear, Inc., 11916 West Pico Blvd.,
Los Angeles, California.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
74-41	454 888		CLIP - Cowl (#62)	1	23-207 and up
-42	467 064		INSULATOR - (#135-40)	1	23-207 and up
-43	153 026		WIRE - (18 gal.)	27	23-207 and up
-44	454 649		CIRCUIT PROTECTOR - (PSM10)	1	
-45	18858-00		CHANNEL - Mounting (ADF-14)	1	
-46	18856-00		PLACARD - Switch (ADF-14) brown	1	
	18856-03		PLACARD - Switch (ADF-14) black	1	
-47	487 790		SWITCH - (#110-S-73) (ADF-14)	1	
-48	480 950		PLUG - Amphenol (ADF-14)	1	
-49	18668-03		ANGLE ASSEMBLY - (ADF-12)	1	
-50	18991-00		LINK - Safety	1	23-1 to 23-746 inclusive
-51	484 576		RHEOSTAT - (#W-100) (ADF-14)	1	23-540 and up
-52	18668-02		ANGLE ASSEMBLY - (ADF-12)	1	

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

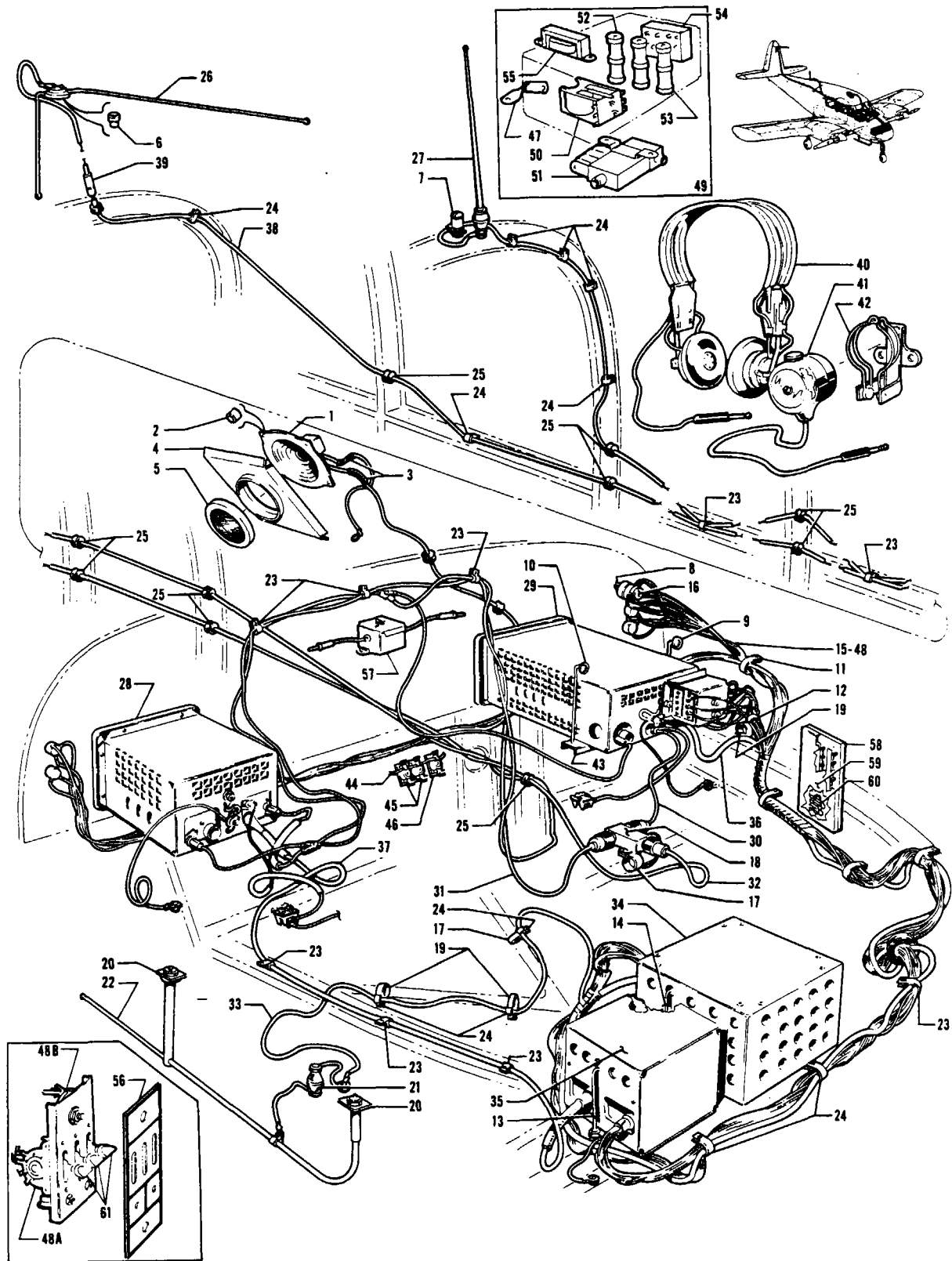


Figure 75. Narco Radio Installation - Simplexer and Omnigator



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req	SERIAL NUMBERS AFFECTED
75-	18180 19082 19090		DRAWING - Narco Radio Installation DRAWING - Omnigator Installation DRAWING - Simplexer Installation		23-1 to 23-746 inclusive 23-747 and up 23-747 and up
-1	18478-00		SPEAKER ASSEMBLY - Radio	1	
-2	14175-47		BUSHING	4	
-3	90797-06		SLEEVE - Insulation	2	
-4	18012-00		BRACKET ASSEMBLY - Speaker mounting	1	
-5	18004-00		PANEL ASSEMBLY - Speaker	1	23-1 to 23-375 inclusive
	18004-04		PANEL ASSEMBLY - Speaker	1	23-376 to 23-1501 inclusive
	18004-06		PANEL ASSEMBLY - Speaker	1	23-1502 and up
-6	406 867		RIVNUT - (A8K-120)	1	
-7	14175-77		BUSHING	1	
-8	471 057		KNOB - Selector switch (K-51715) brown	1	
	471 068		KNOB - Selector switch (M-88010-4) black	1	
-9	18270-02		ROD ASSEMBLY - Radio hanger	1	
-10	18270-03		ROD ASSEMBLY - Radio hanger	1	
-11	454 966		CLAMP - Plastic (1-6R)	1	
-12	454 955		CLAMP - Plastic (5/16 - 6R)	1	
-13	17784-02		HOOK - Power supply support	4	
-14	17784-03		HOOK - Power supply support	2	
-15	18090-00		HARNESS ASSEMBLY - Radio audio	1	23-1 to 23-370 incl., 23-372 to 23-384 incl., 23-386 to 23-387
-16	487 825		SWITCH - (#3242J)	1	
-17	454 942		CLAMP - Tinnerman (A2980S-161-1)	1	
-18	484 361		RELAY - Antenna	1	23-1 to 23-370 incl., 23-372 to 23-384 incl., 23-386 to 23-387 incl., 23-747 and up
-19	454 940		CLAMP - Tinnerman (A2980S-12-1)	3	
-20	18277-00		PLATE - Marker beacon antenna mounting	2	
-21	467 063		INSULATOR - (#135-55)	1	
-22	451 264		ANTENNA - Bent marker beacon	1	
-23	454 956		CLAMP - Plastic (3/8 - 6R)	9	
-24	454 953		CLAMP - Plastic (3/16 - 6R)	11	
-25	434 126		GROMMET - (AN931-3-5)	10	
-26	19109-00		ANTENNA - Receiving (VTP-10)	1	
-27	451 272		ANTENNA - Transmitting whip (VTP-10)	1	
-28		A	TUNER - Simplexer (VC-12) or (VC-27)	1	
-29		A	TUNER - Omnigator (VTR-1)	1	
-30		A	CABLE - Omnigator transmitter coaxial (P-90525-101)	1	
-31		A	CABLE - Simplexer transmitter coaxial (P-90521-102)	1	
-32	19080-00		CABLE ASSEMBLY - Transmitter coaxial	1	
-33		A	CABLE - Marker beacon (P-90512-111)	1	
-34		A	POWER SUPPLY - Omnigator (V12MP-2)	1	
-35		A	POWER SUPPLY - Simplexer (V12MP-4) or (V12MP-2)	1	
-36		A	CABLE - Omnigator power (P-90514-101)	1	
-37		A	CABLE - Simplexer power (P-90514-115)	1	
-38	14564-05		CABLE ASSEMBLY - Receiver (306 inches)	1	
-39		A	CONNECTOR - Male (K-41142-1)	1	

A - Not available through Piper Aircraft Corporation.
Secure from National Aeronautical Corporation,
Ambler, Pennsylvania.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
75-40	464 327		HEADPHONE - (#P-23) (300 OHM)	1	
-41	474 647		MICROPHONE - (Telephonics #RS-38A)	1	
	474 649		MICROPHONE - (TEL-66C)	1	
-42	454 889		CLIP - Microphone (Used with Telephonics Mike RS-38A)	1	
	453 415		BRACKET - Microphone (Used with Telex Mike 66C)	1	
-43	18271-00		CHANNEL - Narco radio support	1	
-44	17652-03		BUS ASSEMBLY	1	
-45	454 649		CIRCUIT PROTECTOR - (PSM10)	2	
-46	454 648		CIRCUIT PROTECTOR - (PSM5)	1	
-47	18991-00		LINK - Safety	1	
-48	18904-00		HARNESS ASSEMBLY - Audio selector switch	1	23-371, 23-385 to 23-746 inclusive
	19027-00		HARNESS ASSEMBLY - Audio selector switch	1	23-747 and up
-48a	487 807		SWITCH - Audio selector (SS-14-1L3S)	3	
-48b	487 798		SWITCH - Transmitter selector (3242J)	1	
-49	18903-00		BOX ASSEMBLY - Relay, complete	1	23-371, 23-385, 23-388 to 23-746 inclusive
-50	484 360		RELAY - (K-65111-1)	1	23-371, 23-385, 23-388 to 23-746 inclusive
-51	484 361		RELAY - (#8200)	1	23-371, 23-385, 23-388 to 23-746 inclusive
-52	484 387		RESISTOR - (3 OHM)	1	23-371, 23-385, 23-388 to 23-746 inclusive
-53	484 386		RESISTOR - (5 OHM)	1	23-371, 23-385, 23-388 to 23-746 inclusive
-54	487 126		SOCKET - 15 contacts (#S-315-SB)	1	23-371, 23-385, 23-388 to 23-746 inclusive
-55	489 372		TRANSFORMER - (#A-8101)	1	23-371, 23-385, 23-388 to 23-746 inclusive
-56	18839-04		PLACARD - Audio selector switch, black	1	23-1 to 23-746 inclusive
	19199-00		PLACARD - Audio selector switch, black	1	23-747 and up
-57	19079-00		CABLE - Receiving tee	1	
-58	19232-00		LID - Radio junction box	1	23-747 and up
-59	19025-00		BOX ASSEMBLY - Radio junction (complete)	1	23-747 and up
-60	484 360		RELAY - (K-65111-1)	1	23-747 and up
-61	471 070		KNOB - Selector switch (KN-17)	3	

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

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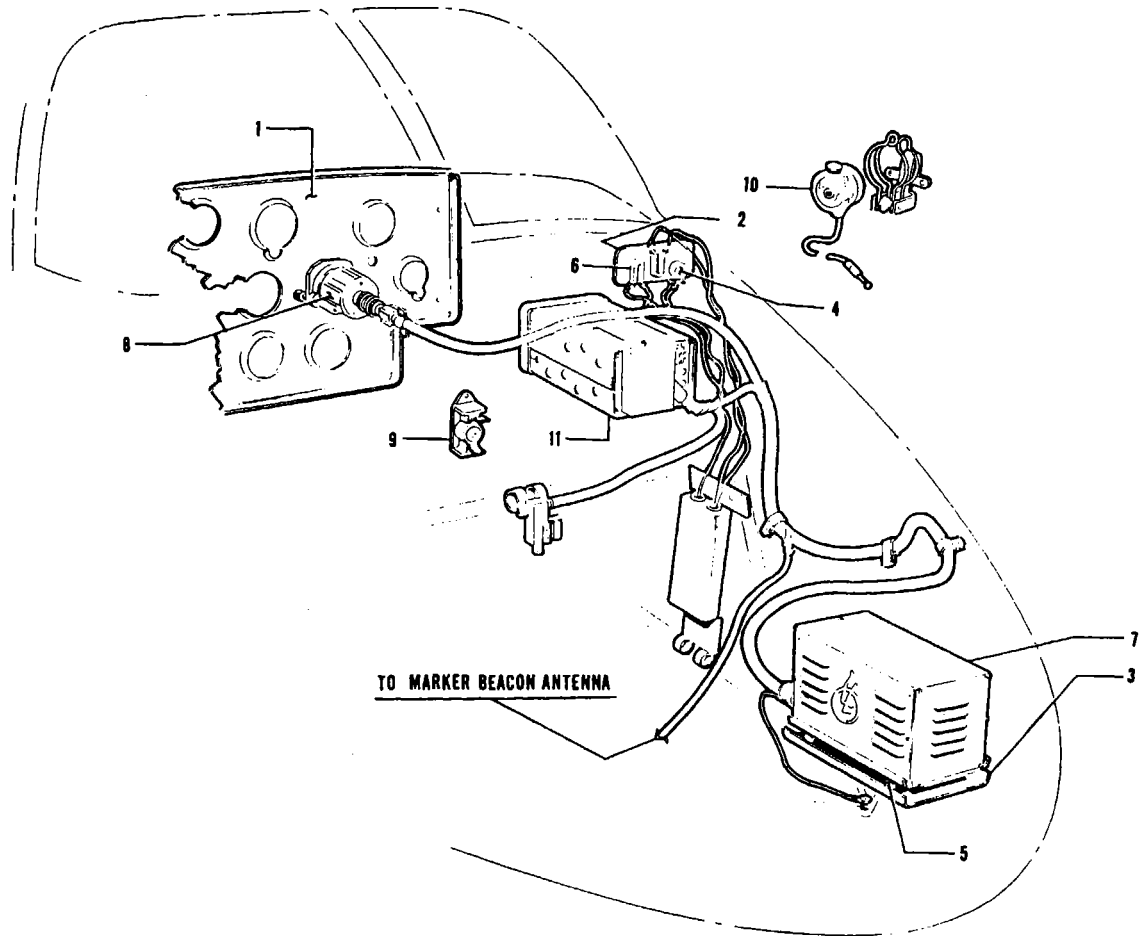


Figure 76. LTRA-6 Radio Installation



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
76-	19083 19100		DRAWING - LTRA-6 Radio Installation DRAWING - LTRA-6 Wiring Diagram		
-1	17484-03		PANEL - Instrument panel cover	1	
-2	18735-03		PLACARD - LTRA-6 switch	1	
-3	18858-00		CHANNEL - Omni range converter mtg.	1	
-4	484 576		SWITCH - Rheostat (W-100)	1	
-5	475 129		MOUNTING - Shock (#96556)	1	
-6	487 790		SWITCH - Toggle (#110-S-73)	2	
-7	451 289		CONVERTER - Omni range	1	
-8	451 290		INDICATOR ASSEMBLY - Omni course (2215B)	1	
-9	454 649		CIRCUIT PROTECTOR - (PSM10)	1	
-10	474 647		MICROPHONE - (Telephonics #RS-38A)	1	
-11	474 649	A	MICROPHONE - (TEL-66C)	1	
			TURNER ASSEMBLY - (LTRA-6)	1	
<p>A - Not available through Piper Aircraft Corporation. Secure from Lear, Inc., 11916 West Pico Boulevard, Los Angeles, California.</p>					

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

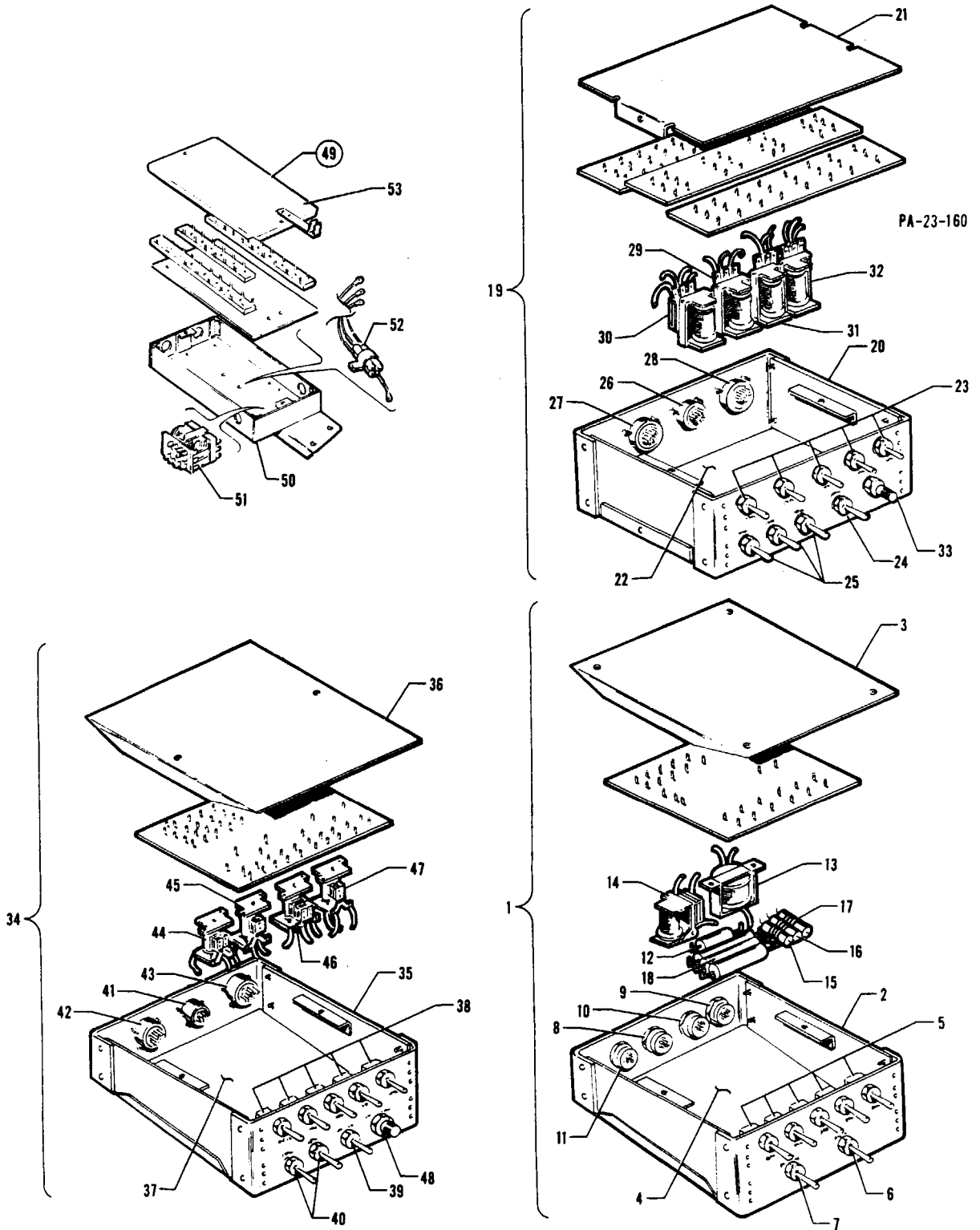


Figure 77. Radio Junction Boxes



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
77-1	22329-00	A	BOX ASSEMBLY - Radio junction (complete)	1	
	30310-00	B	BOX ASSEMBLY - Radio junction (complete)	1	
-2	22326-00	AB	BOX ASSEMBLY	1	
-3	22327-02	AB	COVER - Radio junction box, top	1	
-4	22327-03	AB	COVER - Radio junction box, bottom	1	
-5	487 829	AB	SWITCH - (#8867K1)	5	
-6	487 834	AB	SWITCH - (#8867K4)	1	
-7	487 831	AB	SWITCH - (#T2104)	1	
-8	455 226	AB	CONNECTOR - (#126-197)	1	
-9	455 227	AB	CONNECTOR - (#126-198)	1	
-10	455 228	AB	CONNECTOR - (#126-216)	1	
-11	455 229	AB	CONNECTOR - (#126-221)	1	
-12	454 142	B	CAPACITOR - (5MFD 50 WVDC)	1	
-13	489 372	AB	TRANSFORMER - (#8101)	1	
-14	484 365	AB	RELAY - (#400-2515)	1	
-15	484 394	AB	RESISTOR - (#2W 330 OHM)	1	
-16	484 395	AB	RESISTOR - (#2W 220 OHM)	1	
-17	484 396	AB	RESISTOR - (#2W 150 OHM)	1	
-18	484 388	B	RESISTOR - (#2W 3.3 OHM)	3	
	484 388	A	RESISTOR - (#2W 3.3 OHM)	4	
-19	16841-00	C	BOX ASSEMBLY - Radio junction (complete)	1	
-20	16835-00		BOX ASSEMBLY	1	
-21	22327-02		COVER - Radio junction box, top	1	
-22	22327-03		COVER - Radio junction box, bottom	1	
-23	487 829		SWITCH - (#8867K1)	5	
-24	487 830		SWITCH - (#8866K4)	1	
-25	487 831		SWITCH - (#T2104)	3	
-26	484 333		RECEPTACLE - (#165-15)	1	
-27	484 334		RECEPTACLE - (#165-27)	1	
-28	484 335		RECEPTACLE - (#165-31)	1	
-29	484 366		RELAY - (#400-2197)	1	
-30	484 368		RELAY - (#400-2205)	1	
-31	484 365		RELAY - (#400-2515)	1	
-32	484 367		RELAY - (#400-2550)	1	
-33	484 578		RHEOSTAT - (#WN-300 Radiohm)	1	
-34	19900-00		BOX ASSEMBLY - Radio junction (complete)	1	
-35	19905-00		BOX ASSEMBLY	1	
-36	22327-04		COVER - Radio junction box, top	1	
-37	22327-05		COVER - Radio junction box, bottom	1	
-38	487 829		SWITCH - (#8867K1)	5	
-39	487 830		SWITCH - (#8866K4)	1	
-40	487 831		SWITCH - (#Ta104)	2	
-41	484 333		RECEPTACLE - (#165-15)	1	
-42	484 334		RECEPTACLE - (#165-27)	1	
-43	484 335		RECEPTACLE - (#165-31)	1	
-44	484 366		RELAY - (#400-2197)	1	

A - Used when the following Narco Radios are installed in airplanes: Marker Beacon, ADF-T-12, Sunair, Mark V (export).
 B - Used when the following Narco Radios are installed in airplanes: Mark VI, Marker Beacon, ADF-T-12, Mark V and Glide Slope.
 C - Used when 12 Volt Collins Radios are installed.

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
77-45	484 368		RELAY - (#400-2205)	1	
-46	484 365		RELAY - (#400-2151)	1	
-47	484 367		RELAY - (#400-2550)	1	
-48	484 578		RHEOSTAT - (WN-300)	1	
-49	19025-00		BOX ASSEMBLY - Radio junction box (complete)	1	
-50	19026-00		BOX ASSEMBLY - Radio junction	1	
-51	484 362		RELAY - (#GHA3C/12VD)	1	
-52	484 388		RESISTOR - (#2W 3.3 OHM)	3	
-53	19232-00		LID ASSEMBLY - Radio junction box	1	

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
	16940		DRAWING - Collins Radio Installation with ADF-T-12, Collins Marker Beacon, Collins Glide Slope, ARC ADF		
	17900		DRAWING - Junction box		
	30307		DRAWING - Junction box wiring diagram		
	30223		DRAWING - Collins Radio Installation with Dare Glide Slope, Collins Marker Beacon, ADF-T-12, Narco Marker Beacon, Narco Glide Slope		
	19900		DRAWING - Junction box		
	19882		DRAWING - Junction box wiring diagram		
	30315		DRAWING - Narco Glide Slope Installation		
	30200		DRAWING - Collins Radio Installation with ADF-T-12, Collins Marker Beacon, Narco Marker Beacon, Sunair		
	19900		DRAWING - Junction box		
	19882		DRAWING - Junction box wiring diagram		
	16945		DRAWING - Collins Glide Slope Installation		
	16946		DRAWING - Collins Marker Beacon Installation		
	30210		DRAWING - Narco Radio Installation with Mark VI, Marker Beacon, ADF-T-12, Mark V and Narco Glide Slope		
	30310		DRAWING - Junction box		
	30307		DRAWING - Junction box wiring diagram		
	30318		DRAWING - Narco Glide Slope Installation		
	30257		DRAWING - Narco Radio Installation with Marker Beacon, ADF-T-12, Sunair, Mark V (Export)		
	30310		DRAWING - Junction box		
	30307		DRAWING - Junction box wiring diagram		
	22419		DRAWING - Narco Marker Beacon Installation		
	30232		DRAWING - Narco Marker Beacon Installation		
	30302		DRAWING - Sunair Radio Installation, T-5-R Kit		
	30308		DRAWING - ADF-T-12 Radio Installation for Collins Installation		
	30299		DRAWING - ADF-T-12 Radio Installation for Narco Installation		
	30250		DRAWING - Sunair with T-5-R Kit and EL-14-5 remote loading unit		
	30320		DRAWING - Dar Glide Slope Installation		
	30331		DRAWING - ARC-ADF Radio Installation		
	30346		DRAWING - Narco DME Radio Installation		
	30350		DRAWING - Super Custom Radio Installation with Mark V, Narco DME, Narco Glide Slope and ADF-T-12		
	23100		DRAWING - Junction box		
	23065		DRAWING - Junction box wiring diagram		
	30347		DRAWING - Narco Glide Slope Installation		
	SK1177	A	DRAWING - Collins Radio Installation, Dar Glide Slope, Collins Marker Beacon		
	SK1178	A	DRAWING - Wiring Diagram, Schematic		
			A - Used on PA-23-160 with serial nos. 23-1977, 23-1981, 23-1984 to 23-1987 and 23-1988 to 23-2043.		

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
	SK1180	A	DRAWING - Junction box		
	SK1182	A	DRAWING - Wiring diagram		
	18953	A	DRAWING - Radio Installation, LVTR-36		
	30070	A	DRAWING - Collins Radio Installation		
	SK1181	A	DRAWING - Harness Assembly Radio		
			<p>A - Used on PA-23-160 with serial nos. 23-1977, 23-1981, 23-1984 to 23-1987 and 23-1988 to 23-2043.</p>		

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
			<u>OPTIONAL EQUIPMENT KITS</u>		
	18674-00		OXYGEN TANK AND CONSOLE - (Secure Kit 754 097 for installation of this item)		
	754 467		DUAL CYLINDER HEAD TEMPERATURE GAUGE		
	754 041		ELECTRIC PITOT TUBE INSTALLATION		
	754 044		DUAL GENERATOR INSTALLATION - (Complete)		
	754 056		DUAL VACUUM PUMP INSTALLATION		
	754 058	A	AUXILIARY FUEL SYSTEM - (Complete)		
	754 087		CABIN DOOR QUICK RELEASE INSTALLATION		
	754 089		ROTATING BEACON INSTALLATION - (Less Beacon 452 402)		
	754 091		NAVIGATION LIGHT FLASHER		
	754 097	B	OXYGEN SYSTEM INSTALLATION - (Less oxygen tank kit)		
	754 099		SUN VISOR INSTALLATION - Brown		
	754 129		SUN VISOR INSTALLATION - Black		
	754 108		FIFTH SEAT INSTALLATION - Brown		23-1 to 23-375 inclusive
	754 111		RECLINING SEAT INSTALLATION - Brown		23-1 to 23-375 inclusive
	754 122		FIFTH SEAT INSTALLATION - Red		23-376 to 23-389 inclusive
	754 123		FIFTH SEAT INSTALLATION - Blue		23-376 to 23-389 inclusive
	754 124		RECLINING SEATS INSTALLATION - Red		23-376 to 23-389 inclusive
	754 125		RECLINING SEATS INSTALLATION - Blue		23-376 to 23-389 inclusive
	754 113		FIFTH SEAT INSTALLATION - Red		23-390 to 23-746 inclusive
	754 114		FIFTH SEAT INSTALLATION - Blue		23-390 to 23-746 inclusive
	754 115		RECLINING SEAT INSTALLATION - Red		23-390 to 23-746 inclusive
	754 116		RECLINING SEAT INSTALLATION - Blue		23-390 to 23-746 inclusive
	754 156		RECLINING SEATS INSTALLATION - Red		23-747 to 23-1163 inclusive
	754 157		RECLINING SEATS INSTALLATION - Blue		23-747 to 23-1163 inclusive
	754 158		RECLINING SEATS INSTALLATION - Rose		23-747 to 23-1163 inclusive
	754 159		FIFTH SEAT INSTALLATION - Red		23-747 to 23-1163 inclusive
	754 160		FIFTH SEAT INSTALLATION - Blue		23-747 to 23-1163 inclusive
	754 161		FIFTH SEAT INSTALLATION - Rose		23-747 to 23-1163 inclusive
	754 178		FIFTH SEAT INSTALLATION - (Less seat)		23-1 to 23-1182 inclusive
	754 342		FIFTH SEAT INSTALLATION - (Less seat and trim plate 19507)		23-1871 and up
	754 117		SHOULDER HARNESS INSTALLATION - Single passenger, brown		
	754 126		SHOULDER HARNESS INSTALLATION - Single passenger, black (all seats except airline type reclining seats)		23-376 to 23-1163 inclusive
	754 180		SHOULDER HARNESS INSTALLATION - Single passenger, black (All seats except airline type reclining seats)		23-1164 and up
	754 133		BAGGAGE DOOR HOLD-UP STRAP - Brown		
	756 749	C	CURTAIN INSTALLATION - Window, champagne		23-1 to 23-1870 inclusive

A - When ordering this kit, designate whether 150 H.P. or 160 H.P. engines are installed.
 B - Install in aircraft with fixed rear seat only.
 C - This kit is complete with all necessary installation parts.

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

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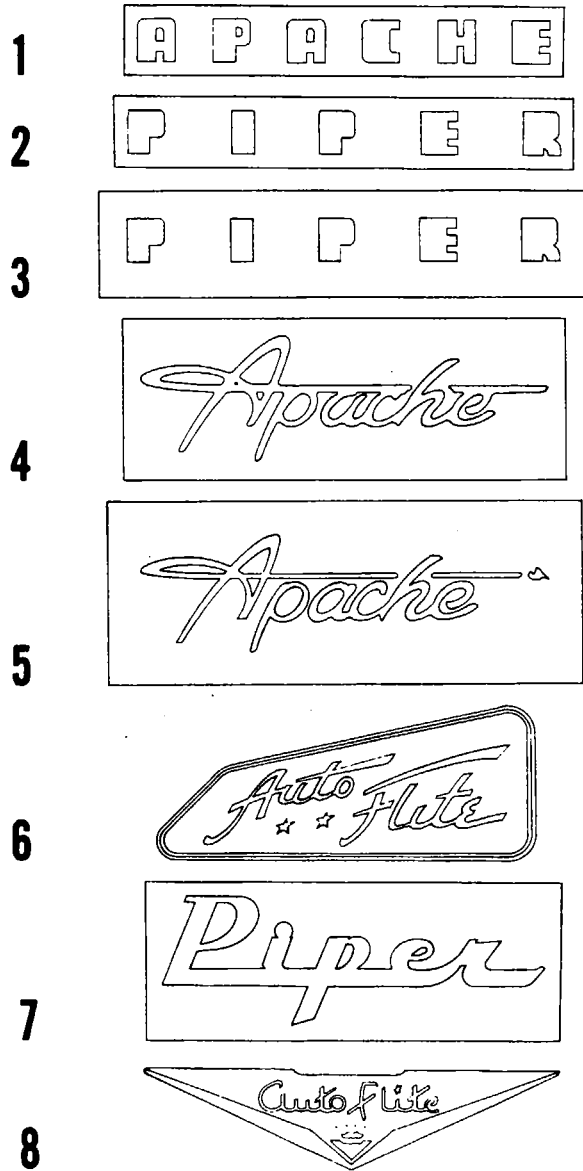
Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
			OPTIONAL EQUIPMENT KITS (cont.)		
	756 750	C	CURTAINS - Window, champagne		23-1871 and up
	754 423	C	CURTAINS - Window, brown		23-1871 and up
	754 424	C	CURTAINS - Window, turquoise		23-1871 and up
	754 425		CURTAIN INSTALLATION - Window		23-1871 and up
	754 143		TAXI LIGHT INSTALLATION		
	754 145		CLEVELAND BRAKE AND WHEEL INSTALLATION (Complete airplane)		
	754 168		HYDRAULIC FILLER AND BRAKE RESERVOIR ACCESS DOOR INSTALLATION		
	754 171		CARBURETOR HEAT MODIFICATION WITH GAUGE		
	754 176		CABIN HEATER FUEL VALVE (20,000 B.T.U. to 27,500 B.T.U.)		23-171 to 23-746 inclusive
	754 172		CABIN HEATER FUEL VALVE (20,000 B.T.U. to 27,500 B.T.U.)		23-747 and up
	754 173		CARBURETOR HEAT MODIFICATION LESS GAUGE		23-747 and up
	754 175		NACELLE FAIRING INSTALLATION		23-1 to 23-1182 inclusive
	754 177		ENGINE SPLIT NOSE COWL		23-171 to 23-746 inclusive
	754 282		ICE SHIELD INSTALLATION		
	756 925		SAFETY MIRROR INSTALLATION		
	756 826		PIPER NAV-TIMER		
	756 781	AB	PIPER EXTERNAL POWER RECEPTACLE INSTALLATION		
	62355-02		EXTERNAL POWER CONNECTOR PLUG ASSEMBLY		
	550 758		PIPER MIXTURE CONTROL INDICATOR KIT		
	756 984		REGENCY TRANSPONDER		
	754 466		DUAL ALTIMETER INSTALLATION - 160 H.P. (Less altimeter)		23-1502 and up
	754 427		AMPLIFIER AND RADIO COOLING		23-1502 and up
	756 784		ALL WEATHER ANTENNA		
	754 347		DOOR LOCK MODIFICATION KIT		23-1 to 23-1907 inclusive
	754 339		FUSELAGE NOSE MOISTURE SEAL INSTALLATION		23-1164 and up
	754 363		GLAR BAN INSTRUMENT LIGHTING		23-1502 and up
	754 353		OIL FILTER INSTALLATION KIT		
	764 082		ELT REPLACEMENT (Garrett ELT to Narco ELT 10)		
	765 363		DUAL FUEL DRAIN SYSTEM KIT		23-01 thru 23-2046 inclusive
			REPAIR KITS		
	754 077		GEAR OLEO "O" RINGS - (Complete airplane)		
	754 101		NACELLE CAM-LOC FASTENERS AND RECEPTACLES (Complete airplane)		
	754 102		GEAR OLEO BUSHINGS (Complete airplane)		
	754 104		POWERPAK "O" RINGS		
			A - Less Power Connector Plug Assembly, Part No. 62355-02. B - Secure cable extension, Part No. 24159-191 and ground cable, Part No. 14226-27 in addition to Kit 756 781. C - Less installation Kit 754 425.		

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



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
<u>REPAIR KITS (cont)</u>					
	754 105		BRAKE SYSTEM SEAL RINGS - (Complete airplane with Goodrich brakes)		
	754 128		ENGINE CONTROL LEVERS OILITE BEARINGS		
	754 134		LANDING GEAR BOLTS AND NUTS - (Complete airplane)		
	754 166		BRAKE SYSTEM SEAL RINGS - (Complete airplane with Cleveland brakes)		
	754 232		HI-SHEAR RIVETS AND TOOL		
	754 234		PROPELLER REPAIR		
	754 260	C	POWERPAK REPAIR - 750 P-1, 750 P-1F, 750 P		
	754 261	B	POWERPAK REPAIR - 750 P		
	754 306	A	HEATER VENT AIR BLOWER - (C717470)		
	754 307	A	HEATER COMBUSTION AIR BLOWER - (G707695)		
	754 321		FUEL CELL REPAIR KIT		
<u>TOOLS</u>					
	18537-00		ANALYZER - Heater circuit (For Southwind heater 979-B1, 940-B12, 940-D12)		
	18551-00		PIN - Fuel cell locating		
	18556-00		WRENCH - Propeller bolt (For Allen head bolts)		
	18557-00		WRENCH - Oil pressure relief valve		
	18642-00		FITTING - Torque, fuel cell bolt (used with Torque Meter)		
	754 037		KIT - Wing jacks and tail pedestal		
	754 070		KIT - Elliott propeller balancer and arbor		
	868 313		TORQUE-O-METER - TQ-6 (inch - pounds) (used for fuel cell installation)		
	869 845		WRENCH - Propeller bolt (For Ferry head screws)		
	754 165		KIT - Rivet setting (Cleveland brake lining)		
<p>A - Used on Heater Models 940-B12 and 940-D12. B - Used on Electrol Powerpak (750P) with serial numbers 1 to 100 inclusive. C - Used on Electrol Powerpak (750P) with serial numbers 101 and up. Also used on Electrol Powerpaks (750P-1 and 750P-1F).</p>					

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



- | | |
|---|--|
| 1. 19598-00 DECAL - Apache (23-1502 to 23-1870 inclusive) | 5. 19180-00 STENCIL - Apache (23-376 to 23-1182 inclusive) |
| 2. 19390-00 DECAL - Piper (23-1183 to 23-1870 inclusive) | 6. 19605-00 DECAL - Autoflite (23-1502 to 23-1870 inclusive) |
| 3. 18855-00 STENCIL - Piper (23-376 to 23-1182 inclusive) | 7. 15030-00 STENCIL - Piper (23-1871 to 23-2012 inclusive) |
| 4. 19389-00 DECAL - Apache (23-1183 to 23-1501 inclusive) | 8. 22047-00 MEDALLION - Autoflite (23-1871 and up) |

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17552-00	15-7	17587-62	17-39	17628-00	28-41	17672-00	53-4
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17562-00	16-46	17602-02	37-43	17640-13	14-16	17694-03	2-22
17562-00	17-38	17602-03	36-34	17640-14	14-17	17694-04	2-20
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18000-00	23-9	18027-17	48-12	18068-05	22-19	18100-22	20-55
18000-22	23-11	18027-17	49-13	18070-00	15-21	18100-22	22-1
18000-23	23-10	18027-18	48-10	18071-00	23-22	18100-25	22-56
18000-27	23-9	18027-18	49-11	18071-05	23-22	18100-26	22-57
18000-29	23-10	18027-19	49-9	18071-06	23-22	18100-27	22-58
18000-31	23-11	18028-12	48-11	18071-09	23-22	18100-28	22-59
18001-02	68-1	18028-14	48-5	18071-11	23-22	18100-29	20-55
18001-03	68-2	18028-14	49-6	18071-13	23-22	18100-29	22-1
18001-04	68-3	18028-15	48-7	18071-15	23-22	18100-33	22-26
18001-05	68-4	18028-15	49-8	18071-16	23-22	18104-00	22-55
18004-00	74-5	18028-16	48-9	18074-00	68-27	18105-00	22-82
18004-00	75-5	18028-16	49-10	18075-00	68-26	18105-02	22-82
18004-04	74-5	18028-17	49-12	18076-00	68-18	18106-00	73-36
18004-04	75-5	18029-00	23-6	18078-00	52-43	18108-00	73-48
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18115-00	48-13	18152-04	16-49	18188-00	47-7	18248-00	46-35
18115-01	48-13	18152-08	16-49	18189-00	47-9	18253-02	3-13
18116-00	48-14	18152-10	16-49	18190-00	47-11	18253-03	3-16
18116-09	49-14	18152-12	17-42	18191-02	47-22	18253-04	3-14
18117-00	48-1	18152-14	17-42	18191-03	47-22	18253-05	3-15
18117-01	48-1	18154-00	20-30	18192-00	47-8	18253-10	3-16
18119-00	73-10	18154-03	20-30	18193-00	47-17	18254-05	64-21
18120-00	73-28	18154-03	21-30	18194-00	47-2	18261-00	50-24a
18123-00	73-15	18155-00	20-8	18195-00	47-4	18261-01	50-24a
18123 M	73A-28	18155-00	21-8	18196-00	47-1	18262-00	5-34
18124-00	73-4	18156-04	20-7	18197-00	47-14	18267-00	50-31
18126-00	42-7	18156-04	21-7	18198-00	47-20	18267-01	50-31
18128-00	2-44	18157-00	20-6	18199-00	47-25	18270-02	75-9
18129-00	2-44	18157-02	20-6	18200-00	47-10	18270-03	75-10
18130-00	2-45	18157-03	20-5	18201-00	47-15	18271-00	75-43
18131-00	2-45	18158-00	20-31	18202-00	47-16	18274-02	37-57
18133-00	15-48	18158-00	21-31	18203-00	47-12	18274-03	37-56
18133-02	15-48	18160-00	20-11	18213-00	47-26	18274-04	37-58
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18133-02	17-55	18161-03	20-13	18215-00	68-24	18274-10	37-56
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18134-17	22-28	18164-00	2-39	18219-00	58-15	18279-00	55-7
18136-00	73-3	18164-01	2-39	18229-00	15-1	18280-00	7-17
18138-00	73-1	18165-00	2-41	18230-00	6-8	18281-00	12-55
18139-00	73-11	18165-01	2-41	18231-00	6-9	18281-03	12-55
18142-00	73-14	18166-00	2-37	18232-00	47-13	18282-00	74-6
18142-01	73-14	18166-01	2-37	18232-00	50-10	18285-00	12-74
18145-03	14-35	18170-00	20-41	18237-02	15-50	18287-00	70-11
18146-02	58-22	18170-00	21-41	18237-05	15-50	18288-00	50-38
18146-03	58-26	18171-00	20-39	18237-17	16-50	18288-01	50-38
18147-00	15-35	18171-00	21-39	18237-17	17-57	18289-00	39-53
18147-05	15-35	18172-00	15-39	18237-19	17-57	18290-00	39-54
18147-05	16-35	18172-01	15-39	18238-00	46-23	18291-00	26-29
18147-10	16-35	18174-00	15-4	18239-00	46-52	18291-00	27-6
18147-21	16-35	18174-00	16-4	18240-00	46-54	18292-00	28-28
18147-25	17-56	18174-01	15-4	18241-00	48-4	18296-00	14-21
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18148-00	74-8	18175-02	15-26	18242-00	48-3	18297-00	14-22
18148-03	74-8	18176-00	2-43	18242-00	49-4	18298-00	14-27
18149-00	14-24	18179-00	15-6	18244-00	46-41	18307-00	52-45
18150-00	58-33	18179-00	16-3	18244-01	46-41	18308-00	52-44
18151-00	15-15	18179-00	17-43	18245-00	46-46	18309-00	52-41
18151-01	15-15	18183-00	47-18	18246-00	46-46	18310-00	52-40
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18320-06	68-10	18370-08	3-37	18428-00	33-20	18448-00	12-56
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18329-02	3-82	18380-03	2-32	18430-09	20-19	18464-00	7-62a
18330-00	14-12	18380-04	2-33	18430-09	21-19	18465-00	15-54
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18332-00	57-21	18393-00	33-29a	18430-12	20-22	18470-00	60-24
18340-00	7-71	18395-00	33-28	18430-12	21-22	18470-00	60-25
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18345-00	8-62	18399-300	36-21	18430-15	22-35	18478-00	75-1
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18348-10	16-24	18403-02	15-55	18430-17	21-25	18482-11	16-37
18348-12	16-24	18403-03	15-56	18430-18	21-21a	18482-19	17-46
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18509-00	8-37	18578-03	27-9	18655-00	74-6	18746-03	55-10
18509-01	8-38	18578-04	27-10	18657-00	56-30	18746-04	55-10
18510-00	73-86	18578-07	27-87	18666-00	62-7	18752-02	46-76
18514-00	6-5	18578-09	32-31	18667-00	62-6	18752-03	46-76
18515-00	60-8	18578-11	27-9	18668-02	74-52	18752-04	46-76
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18557-00	Misc.	18611-00	54-10	18701-00	61-1	18779-09	17-87
18558-00	58-24	18617-00	54-47	18707-00	35-11	18779-09	25-9
18559-00	58-39	18618-00	54-48	18708-02	35-8	18782-00	52-71
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18560-03	55-6	18620-00	46-54	18709-00	35-4	18783-00	32-37
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18564-02	10-35	18622-00	46-55	18713-00	26-35	18786-00	32-2
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18830-08	16-44	18854-17	16-53	18891-03	27-17	18917-03	25-12
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18917-46	17-90	18931-12	22-75	19000-18	25-35	19057-17	17-18
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