



PA-23
APACHE
PARTS CATALOG

PA-23-150

PA-23-160

PIPER AIRCRAFT CORPORATION

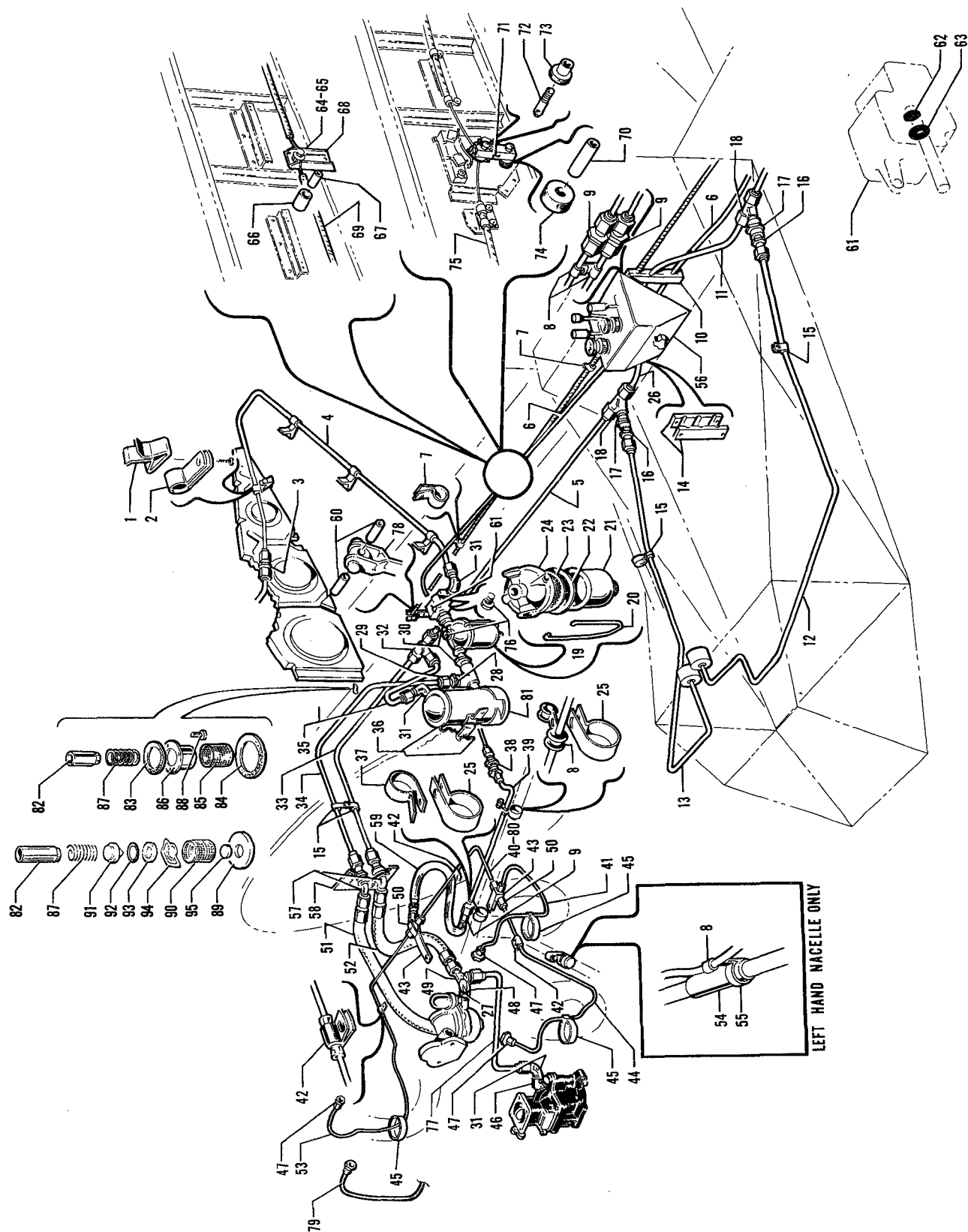


Figure 52. Fuel System Installation



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	494 644		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.

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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	

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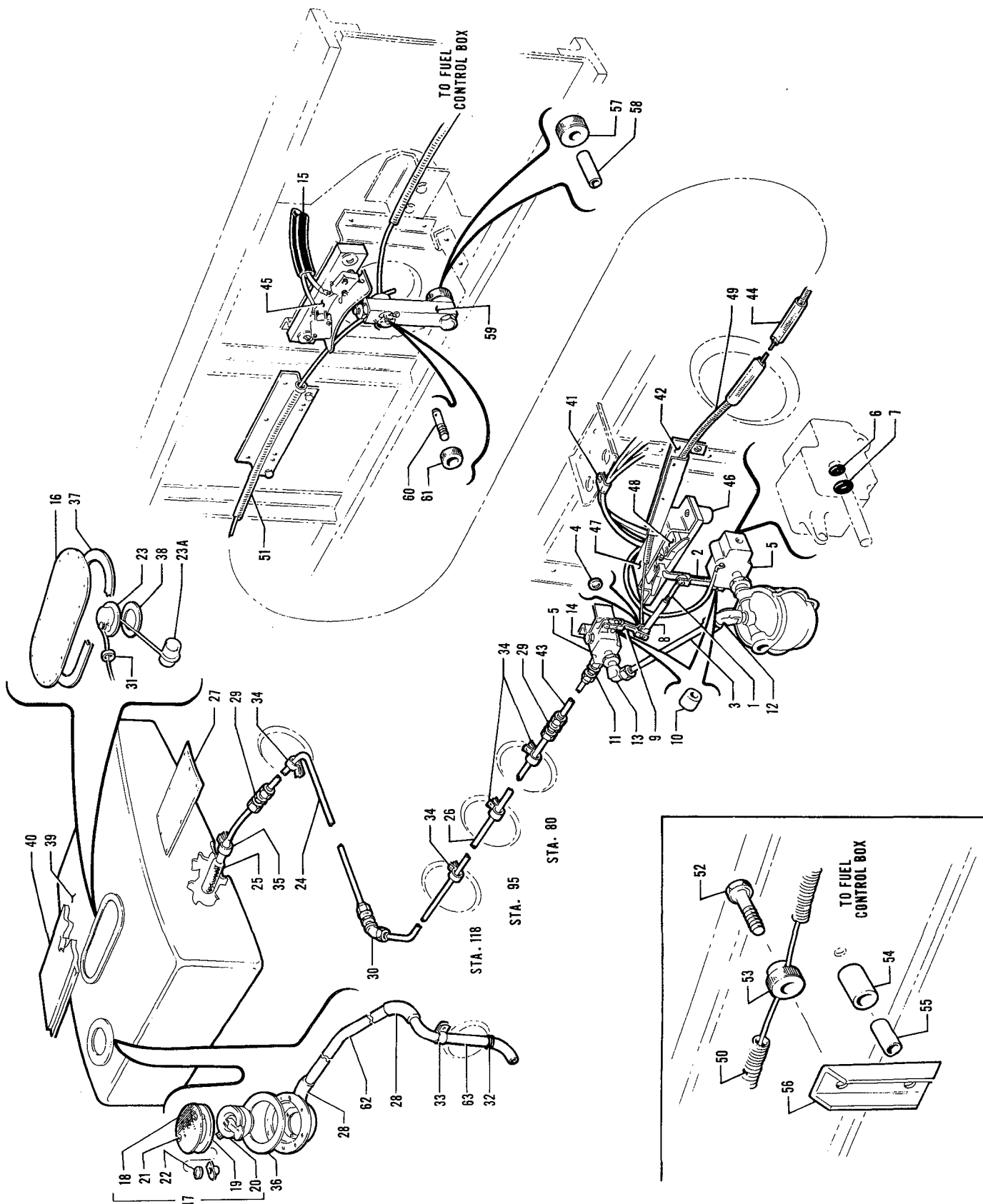


Figure 54. Auxiliary Fuel System Installation



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		ARM ASSEMBLY - Fuel valve control, left	1	
	18590-01		ARM ASSEMBLY - Fuel valve control, right	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		ARM ASSEMBLY - Auxiliary fuel valve, left	1	
	18593-01		ARM ASSEMBLY - Auxiliary fuel valve, right	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		PLATE ASSEMBLY - Auxiliary fuel cell filler neck cover	2	23-1 to 23-637 inclusive
	19049-03	AC	PLATE ASSEMBLY - Auxiliary fuel cell filler neck cover	2	23-636, 23-638 and up
	19049-05	BC	PLATE ASSEMBLY - Auxiliary fuel cell filler neck cover	2	23-1183 and up
-18	17374-06		PLATE ASSEMBLY - Fuel cell filler neck cover	1	23-1 to 23-635 and 23-637
	19047-00		PLATE ASSEMBLY - Fuel cell filler neck cover	1	23-636, 23-638 and up
-19	17374-03		GASKET	1	23-1 to 23-635 and 23-637
	19051-00		GASKET	1	23-636, 23-638 and up
-20	17672-00	C	CAP ASSEMBLY - Fuel cell	1	
-21	487 563		STUD	2	23-1 to 23-635 and 23-637
	487 590		STUD - (2600-5W)	1	23-636, 23-638 and up
-22	463 368		WASHER	2	23-1 to 23-635 and 23-637
	494 060		WASHER - (2600-LW)	1	23-636, 23-638 and up
-23	18363-02		GAUGE ASSEMBLY - Auxiliary fuel cell	2	
-23a	751 767		FLOAT ASSEMBLY - Fuel gauge (1516415)	1	
-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		HOSE - Flexible (2")	2	
	82371-46		HOSE - Flexible (3")	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.

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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.		

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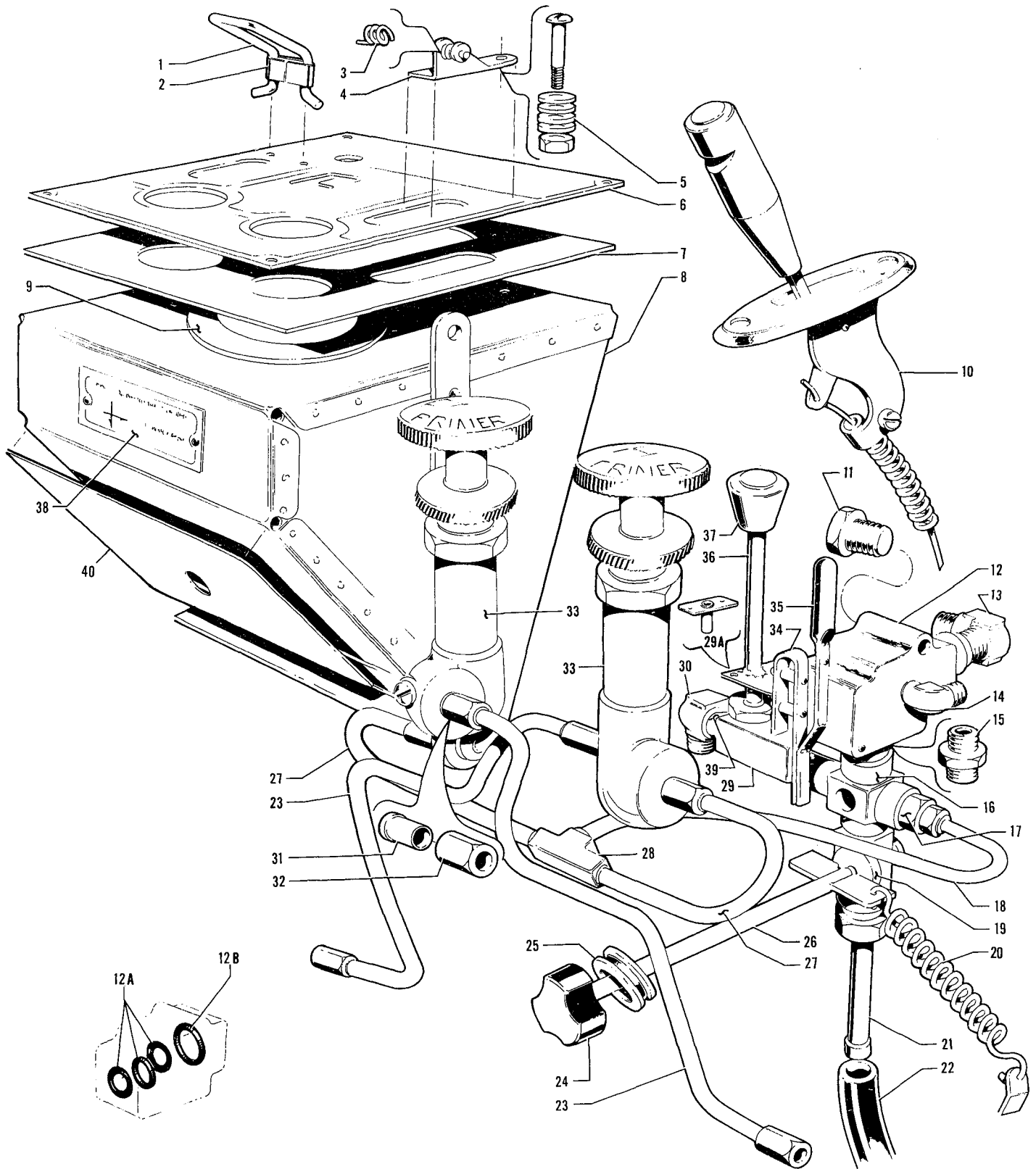


Figure 55. Fuel System Control Box



Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
55-	17933 17933 M	E F	DRAWING - Fuel System Control Box Assembly 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.					

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Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
55-21	451 857		ADAPTER - (AN840-4D)	1	
-22	13586-14		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 - (AN931-4-7)	1	
-26	17944-00	A	STEM - Fuel drain control	1	
	17944 M	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
-29a	757 575		STEM ASSEMBLY - Heater shutoff valve (19460-02)	1	
-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 - (W/H W61 x 2) Compression	4	
-33	451 100		PRIMER - Engine fuel	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	
	17992 M	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 numbers 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 numbers 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 numbers 23-376 to 23-1976, 23-1978 to 23-1980, 23-1982, 23-1983 and 23-1988 to 23-2043 inclusive.		

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