

SECTION 5

FUEL SYSTEM GROUP

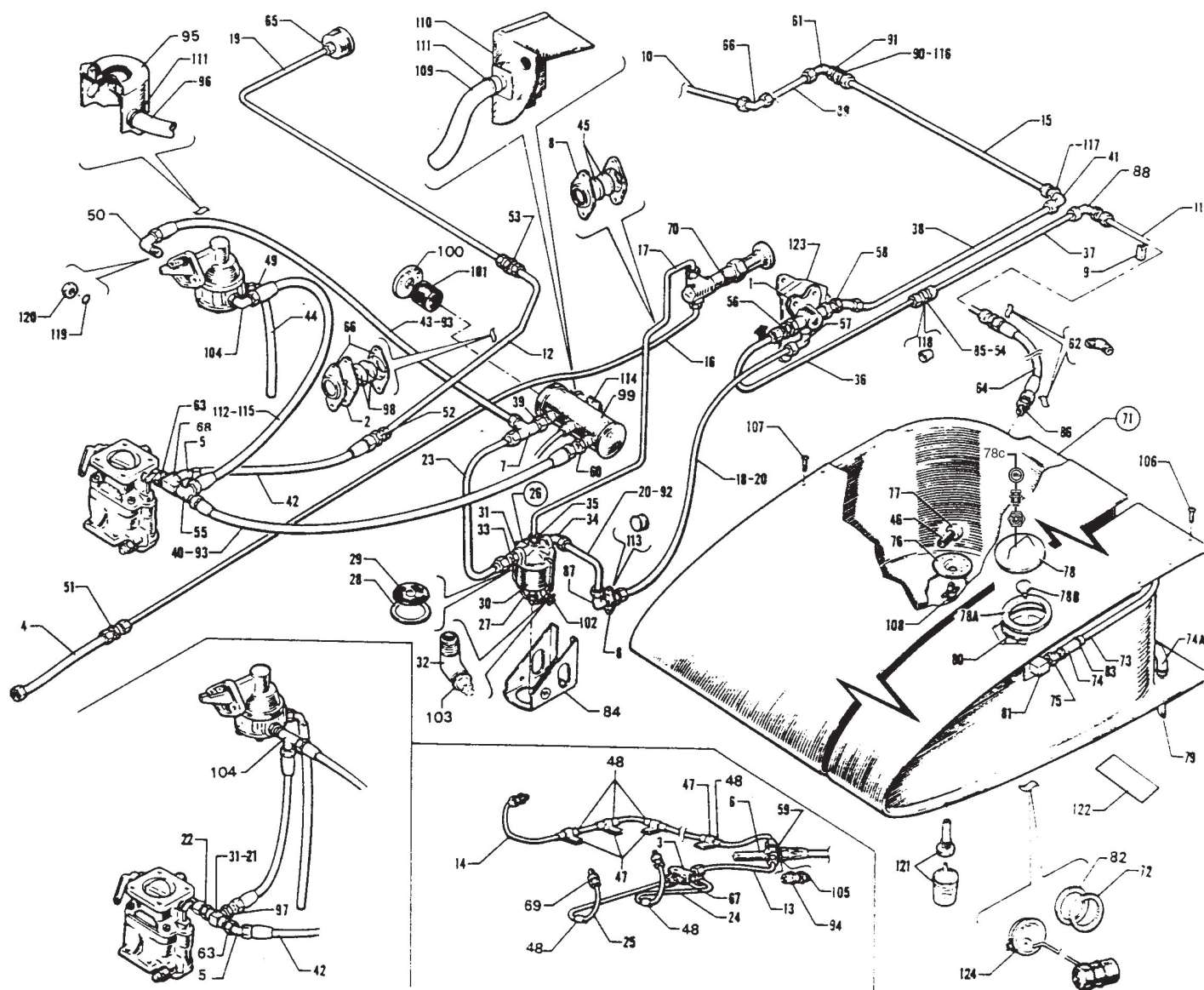


Figure 51. Fuel System Installation (PA-28-140)

PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
51-	62218 62222 62313 66690		DRAWING - Fuel Cooling Installation DRAWING - Fuel System Installation DRAWING - Fuel System Installation DRAWING - Fuel System Installation		28-20002 to 28-24999 incl. 28-20002 to 28-20280 incl. 28-20281 to 28-24999 incl. 28-25000 and up
-1	491-947	C	VALVE - Fuel selector (6S122)	1	
-2	68771-006		GASKET - Firewall seal	1	28-25000 and up
-3	14470-000		CLAMP	1	
-4	17766-006		HOSE ASSEMBLY - Flexible (primer line) 1/8" I.D.	1	
	63901-077		HOSE ASSEMBLY - Flexible (primer line) 3/16" I.D.	1	
-5	66768-000		ELBOW - 45 degrees (restricted)	1	
-6	18078-000	A	CLAMP - Primer tee	1	
	65429-002	B	CLAMP - Primer tee	1	
-7	488-490		TEE - (AN826-6) Electric pump inlet	1	
-8	18321-000		RETAINER - Firewall disc	3	
-9	62119-000		CLIP - Rib, left	1	
	62119-001		CLIP - Rib, right	1	
-10	63801-000		LINE ASSEMBLY - Fuel, right wing	1	28-20002 to 28-20280 incl.
	65152-009		LINE ASSEMBLY - Fuel, right wing	1	28-20281 and up
-11	63802-000		LINE ASSEMBLY - Fuel, Left wing	1	28-20002 to 28-20280 incl.
	65152-009		LINE ASSEMBLY - Fuel, left wing	1	28-20281 and up
-12	63803-004		LINE ASSEMBLY - Fuel pressure (20.12 L)	1	28-20002 to 28-24999 incl.
-13	63806-000		LINE ASSEMBLY - Primer, left	1	
-14	63807-000		LINE ASSEMBLY - Primer, right	1	
-15	63795-000		LINE ASSEMBLY - Fuel, right	1	28-20002 to 28-20280 incl.
	62309-000		LINE ASSEMBLY - Fuel, right	1	28-20281 to 28-24999 incl.
	67700-039		LINE ASSEMBLY - Fuel, right	1	28-25000 and up
-16	63824-000		LINE ASSEMBLY - Primer to engine	1	28-20002 to 28-24999 incl.
	63824-010		LINE ASSEMBLY - Primer to engine	1	28-25000 and up
-17	63825-000		LINE ASSEMBLY - Primer, inlet	1	28-20002 to 28-24999 incl.
	63825-008		LINE ASSEMBLY - Primer, inlet	1	28-25000 and up
-18	63798-000		LINE ASSEMBLY - Fuel, valve to firewall	1	
-19	63827-000		LINE ASSEMBLY - Fuel pressure to gauge	1	28-20002 to 28-20280 incl.
	63498-000		LINE ASSEMBLY - Fuel pressure to gauge (43.50 L)	1	28-20281 to 28-24999 incl.
	67700-043		LINE ASSEMBLY - Fuel pressure to gauge (52.71 L)	1	28-25000 and up
-20	63794-010		LINE ASSEMBLY - Fuel pressure to gascolator	1	
-21	588-391		TEE - (C3709X4)	1	28-22613 and up
-22	476-705		NIPPLE - (C3069X4)	1	28-22613 and up
-23	62214-000		TUBE ASSEMBLY - Fuel gascolator to electric pump	1	28-20002 to 28-24999 incl.
	66681-000		TUBE ASSEMBLY - Fuel gascolator to electric pump	1	28-25000 and up
-24	63837-000		LINE ASSEMBLY - Engine primer, left	1	
-25	63838-000		LINE ASSEMBLY - Engine primer, left	1	
-26	63839-003		GASCOLATOR ASSEMBLY - Fuel	1	
-27	494-644		WIRE ASSEMBLY - Bail, 1 PAS	1	
-28	462-049		GASKET - 44 PA	1	
-29	35789-002		SCREEN - Wire fuel strainer	1	
-30	63840-002		BOWL ASSEMBLY - (E.Z. Drain)	1	
-31	87477-002		COVER - Fuel strainer	1	
			A - Used with 1/8" I.D. hose. B - Used with 3/16" I.D. hose. C - Reference latest revision of Piper Service Bulletin 840 on Fuel Selector Valve Cover Replacement using Kit 760-546. Used in PA-28-140 with serial numbers 28-20000 thru 28-26946 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
51 -32	458-946	B	ELBOW - (AN915-1D) Drain		
-33	476-678		NIPPLE - (AN816-6)	1	
-34	458-868		ELBOW - (MS20B22-6)	1	
-35	460-651		CONNECTOR - (W/H 200 x 2)	1	
-36	63846-000		LINE ASSEMBLY - Fuel valve to left wing	1	28-20002 to 28-20280 incl.
	62306-000		LINE ASSEMBLY - Fuel valve to left wing	1	28-20281 and up
-37	63936-000		LINE ASSEMBLY - Fuel, left	1	28-20002 to 28-20280 incl.
	62308-000		LINE ASSEMBLY - Fuel, left	1	28-20281 and up
-38	63797-000		LINE ASSEMBLY - Fuel valve to right wing (35")	1	28-20002 to 28-20280 incl.
	62307-000		LINE ASSEMBLY - Fuel valve to right wing (33")	1	28-20281 and up
-39	451-872		ADAPTER - (W/H 3200 x 4 x 2) Electric pump inlet	1	
-40	63901-012		HOSE ASSEMBLY - Flexible	1	
-41	458-901		ELBOW - (AN833-6D)	1	28-20002 to 28-20280 incl.
-42	63901-007		HOSE ASSEMBLY - Flexible, to pressure gauge	1	
-43	63901-018		HOSE ASSEMBLY - Flexible, electric pump to engine pump	1	28-20002 to 28-24999 incl.
	63901-012		HOSE ASSEMBLY - Flexible, electric pump to engine pump	1	28-25000 and up
-44	63913-011		HOSE ASSEMBLY - Flexible, engine fuel pump vent	1	
-45	63915-002		DISC - Firewall seal	2	28-20002 to 28-24999 incl.
	63915-018		DISC - Firewall seal	2	28-25000 and up
-46	72091-000		STRAINER - Fuel tank finger	2	
-47	80032-069		CLAMP	4	
-48	90797-002		SLEEVE	7	
-49	451-862		ELBOW - (AN840-4)	1	28-20002 to 28-20218 incl.
	458-948		ELBOW - (1K1-2-4)	1	28-20219 and up
-50	458-868		ELBOW - (MS20822-6) Engine fuel pump	1	28-20002 to 28-21086 incl.
	458-936		ELBOW - (AN833-6) Engine fuel pump	1	28-21087 to 28-7525306 incl.
	558-830		ELBOW - (RAC2000-6) Engine fuel pump	1	28-7525307 and up
-51	491-048		UNION - (AN815-2D)	1	
	484-348		REDUCER - (AN919-0D)	1	
-52	491-054		UNION - (AN815-3)	1	28-20002 to 28-24999 incl.
	484-307		REDUCER - (AN919-2)	1	28-25000 and up
-53	491-049		UNION - (AN815-3D)	1	28-20002 to 28-20280 incl.
	484-351		UNION - (AN919-2D)	1	28-20281 to 28-24999 incl.
-54	491-051		UNION - (AN815-5D)	1	28-20002 to 28-20280 incl.
	491-082		UNION - (6H12D)	1	28-20281 and up
-55	488-490		TEE - (AN826-6)	1	28-20002 to 28-22612 incl.
-56	476-671		NIPPLE - (AN816-5-4D)	1	28-20002 to 28-20280 incl.
	476-662		NIPPLE - (AN816-6D)	1	28-20281 and up
-57	458-895		ELBOW - 90 degrees (AN822-6D)	1	
-58	458-892		ELBOW - 45 degrees (AN823-6D)	1	
-59	488-318	A	TEE - (AN824-2D)	1	
	588-436		TEE - (MS20825-2D)	1	
-60	476-685	B	NIPPLE - (AN816-6-2) Electric pump outlet	1	
-61	458-897		ELBOW - (MS20822-5-4D)	1	28-20002 to 28-20280 incl.
-62	458-911		ELBOW - (AS1040D0505)	2	28-20002 to 28-20280 incl.
	491-052		UNION - (AN815-6D)	2	28-20281 and up
-63	453-680		BUSHING - Reducer (AN912-1C)	1	
-64	63901-011		HOSE ASSEMBLY - Flexible, fuel line to fuel tank	2	28-20002 to 28-20280 incl.
	63901-015		HOSE ASSEMBLY - Flexible, fuel line to fuel tank	2	28-20281 and up
-65	484-348		BUSHING - Reducer (AN919-0D)	1	28-20002 to 28-20280 incl.
-66	66789-000		PLATE - Firewall seal	2	28-25000 and up
-67	460-652		TEE - (W/H 702 x 2)	1	

A - Used with 1/8" I.D. hose.
B - Used with 3/16" I.D. hose.

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PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
51 -68	488-496		TEE - (PF3011-4)	1	28-20002 to 28-22612 incl.
-69	31197-000		PRIMER JET	3	
-70	451-103		PRIMER ASSEMBLY - (K-2406-SAE-2)	1	
-71	63998-016		TANK ASSEMBLY - Left wing fuel	1	
	63998-017		TANK ASSEMBLY - Right wing fuel	1	
-72	462-019		* GASKET - Fuel gauge (1515832)	1	
-73	62060-000		* VENT TUBE - Left (with bead)	1	
	62060-001		* VENT TUBE - Right (with bead)	1	
	62060-004		* VENT TUBE - Left (without bead)	1	
	62060-005		* VENT TUBE - Right (without bead)	1	
-74	63913-193		* HOSE - Connector	1	
-74a	63913-194		* HOSE - Connector	1	
-75	451-857		* ADAPTER - (AN840-4D) with bead	1	
	560-951		* ADAPTER - (1068 x 6 x 2) without bead	1	
-76	62033-000		* PLATE - Drain	1	
-77	63954-000		* OUTLET ASSEMBLY - Fuel tank	1	
-78	66817-000		* CAP ASSEMBLY - Fuel tank (non-locking)	1	
	39830-800	F	* CAP ASSEMBLY FUEL KIT - Fuel tank (with locks)	1	28-7425001 and up
-78a	66815-000	D	** GASKET - Fuel cap	1	
-78b	492-153	D	** VALVE - Fuel cap vent (VA3123)	1	
-78c	39856-002	E	** LOCK ASSEMBLY - Fuel cap	2	28-7425001
-79	36625-002		* VENT ASSEMBLY - Fuel tank, left	1	
	36625-003		* VENT ASSEMBLY - Fuel tank, right	1	
-80	69785-001		* FILLER NECK ASSEMBLY	1	
-81	62059-000		* FITTING - Fuel line	1	
-82	62044-000		* PLATE - Fuel tank	1	
-83	454-833	B	* CLAMP - (SAE TY E-6)	4	
	454-806	C	* CLAMP - (SAE TY E-7)	4	
-84	63834-000		BRACKET - Gascolator mounting	1	
-85	491-051		UNION - (AN815-5D)	1	28-20002 to 28-20280 incl.
	491-082		UNION - (6H12D)	1	28-20281 and up
-86	476-671		NIPPLE - (AN816-5-4D)	2	28-20002 to 28-20280 incl.
	476-662		NIPPLE - (AN816-6D)	2	28-20281 and up
-87	458-936		ELBOW - (AN833-6)	1	28-20002 to 28-20280 incl.
-88	458-959		ELBOW - (W/H 502 x 5)	2	28-20002 to 28-20280 incl.
	558-906		ELBOW - (6E12D)	1	28-20281 and up
-89	63849-000		LINE ASSEMBLY - Fuel, right	1	28-20002 to 28-20280 incl.
-90	455-259		COUPLING - (AN910-2D)	2	28-20002 to 28-20280 incl.
-91	476-662		NIPPLE - (AN816-6D)	2	28-20002 to 28-20280 incl.
-92	63913-014		HOSE - Fire shield	1	
-93	63913-040		HOSE - Fire shield	2	
-94	455-173	A	COUPLING - (AN910-1D)	1	
-95	62878-000	A	BAFFLE ASSEMBLY - Fuel pump	1	28-20002 to 28-20256 incl.
	63422-000		BAFFLE ASSEMBLY - fuel pump	1	28-20257 and up
			A - If Fuel Pump AC 6440174 has been installed, order Part Number 63422-000. B - Used with 3/8" O.D. hose. C - Used with 1/2" O.D. hose. D - Used with Fuel Cap Part No. 66817-000 only. E - Used with Fuel Cap Assembly Kit, Part Number 39830-800 only. F - Kit includes (2) cap assemblies with matching locks.		

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PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
51 -96	63633-023		HOSE - Fuel pump air blast	1	
-97	476-678		NIPPLE - (AN816-6)	1	28-22613 and up
-98	68770-018		GROMMET - Firewall seal	2	28-25000 and up
-99	481-666		PUMP - Electric fuel (62220/66674)	1	
-100	751-872		* GASKET - Cover (479-136)	1	
-101	751-799		* SCREEN - Filter (479-135)	1	
-102	492-312		VALVE - (CCA-36150) drain, non-locking	1	
-103	477-677		NUT - Tru seal fitting (1/8 pipe)	1	
-104	458-868		ELBOW - (MS20822-6) Engine fuel pump	1	28-20002 to 28-21086 incl.
	458-936		ELBOW - (AN833-6) Engine fuel pump	1	28-21087 to 28-22612 incl.
	488-489		TEE - (AN804-6) Engine fuel pump	1	28-22613 to 28-7525306 incl.
	588-462		TEE - (RAC3300-6) Engine fuel pump	1	28-7525307 and up
-105	476-647	A	NIPPLE - (AN816-3D)	1	
-106	415-312		SCREW - (MS27039-0812)	60	
-107	415-309		SCREW - (MS27039-0809)	78	
-108	492-312		DRAIN - Fuel tank (CCA-36150) non-locking	2	
	491-806		DRAIN - Fuel tank (F391-187B) (Flush Type)	2	
-109	63633-023	B	HOSE - Electric fuel pump cooling	1	28-20002 to 28-7125471 incl.
	63633-104	B	HOSE - Electric fuel pump cooling	1	28-7125472 and up
-110	62215-000		COVER ASSEMBLY - Electric fuel pump cooling	1	28-20002 to 28-24999 incl.
	66676-003		COVER ASSEMBLY - Electric fuel pump cooling	1	28-25000 and up
	66676-003		COVER ASSEMBLY - Electric fuel pump cooling	1	28-25000 and up
-111	454-994		CLAMP - (H-2-1160)	2	
-112	63901-014		HOSE ASSEMBLY - Flexible	1	
-113	63915-008		DISC - Firewall seal	2	
-114	62219-000		SPACER - Fuel pump mounting	AR	
-115	63913-025		HOSE - Fire shield	1	
-116	491-082		UNION - (6H12D)	1	28-20281 and up
-117	477-670		NUT - (6B12D)	4	28-20281 and up
-118	460-464		FERRULE - (6T12D)	4	28-20281 and up
-119	462-060		O-RING - (MS29512-6)	2	28-21087 to 28-7525278 incl.
-120	477-631		NUT - (AN924-6)	2	28-21087 to 28-7525278 incl.
-121	62924-002		SAMPLER - Fuel (used with Pet-Cock Type Drain)	1	
	67728-000		SAMPLER - Fuel (used with Flush Type Drain)	1	
-122	99364-000		PLACARD - Fuel	2	
-123	99754-002		SUPPORT ASSEMBLY - Fuel selector cover	1	
-124	62037-000		SENDER - Fuel tank (450-759)	2	28-20002 to 28-20550 incl.
	68101-002		SENDER - Fuel tank	2	28-20551 and up
A - Used with 3/16" I.D. hose. B - Reference Piper Service Letter 611 for information on Repositioning of Oil Cooler Hose using Kit 760-599 for PA-28-140 Cherokee aircraft with serial numbers 28-7125472 through 28-7225172 inclusive.					

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