



PA-28 AND PA-28R

CHEROKEE

AIRPLANE PARTS CATALOG

PA-28-140

PA-28-180

PA-28-150

PA-28-235

PA-28-160

PA-28R-180

PA-28R-200

PIPER AIRCRAFT CORPORATION

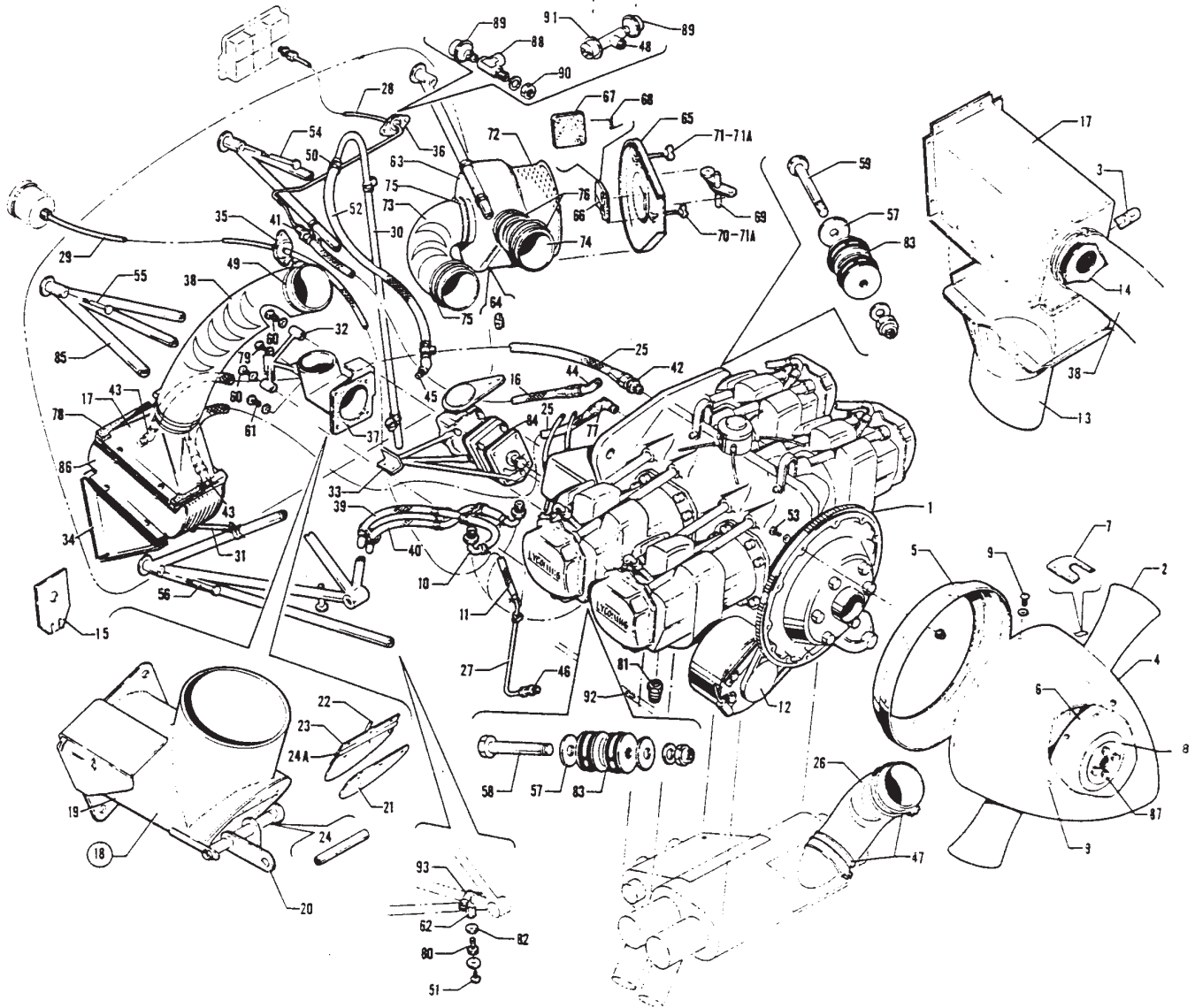


Figure 58. Powerplant Installation

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PIPER PARTS CATALOG

Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
58-	67009 67800	A B	DRAWING - Powerplant Installation DRAWING - Powerplant Installation		
-1		A,C B,C	ENGINE - Lycoming (IO-360-B1E) ENGINE - Lycoming (IO-360-C1C)	1 1	28R-30482, 28R-35001 to 28R-7635516 inclusive 28R-7635517 and up
-2	550-934 550-935	B,C A,E B,E	ENGINE - Lycoming (IO-360-C1C6) PROPELLER ASSEMBLY - Hartzell (HC-2YK-1BF/F766A) PROPELLER ASSEMBLY - Hartzell (HC-2YK-1BF/F766A-2)	1 1 1	28R-30482, 28R-35001 to 28R-7635516 inclusive 28R-7635517 and up
-3	550-974	B,F	PROPELLER ASSEMBLY - McCauley (B2D34C213/90DHA-16)	1	
-4	67847-000	B	CLIP	1	
-5	67790-000	D	SPINNER SHELL - Propeller	1	
-6	67791-000	D	BULKHEAD ASSEMBLY - Spinner aft	1	
-7	67793-000	D,G	BULKHEAD ASSEMBLY - Spinner forward	1	
-8	35827-002	B	BULKHEAD ASSEMBLY - Spinner forward	1	28R-7635517 and up
-9	67794-000	D	CUFF - Spinner	2	
-10	99499-000	D,G	PLATE - Spinner	1	
	415-379	D	SCREW - (MS51958-63)	28	
	494-227	D	WASHER - Fiber	28	
	24995-000		VALVE ASSEMBLY - Drain	2	
A - Used on PA-28R-180 airplanes only. B - Used on PA-28R-200 airplanes only. C - Secure from Lycoming Division-Avco Corporation, Williamsport, Penna. D - If existing spinner is constructed fiberglass, order Spinner Replacement Kit 760-410. E - See Figure 67B for component parts. F - See Figure 67C for component parts. G - Used on PA-28R-180, and PA-28R-200 with serial numbers 28R-30482, 28R-35001 to 28R-7635516 inclusive.					

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58 -11	63913-026		HOSE - Flexible	1	
-12	-----	E	ALTERNATOR INSTALLATION		
-13	67844-000	B	DUCT ASSEMBLY	1	
-14	67849-000	B	WINTERIZATION KIT ASSEMBLY - Oil cooler	1	
-15	67769-004	A	WINTERIZATION KIT ASSEMBLY - Oil cooler	1	
-16	63901-036		HOSE ASSEMBLY - Flexible	1	
-17	62985-000	A	ADAPTER ASSEMBLY - Oil radiator air	1	
	67845-000	B	PLENUM ASSEMBLY	1	
-18	67660-000	C	ADAPTER ASSEMBLY - Alternate air inlet and throttle bracket (without air gate)	1	
	99047-000	D,F	ADAPTER ASSEMBLY - Alternate air inlet and throttle bracket (with air gate)	1	
-19	67779-000	D	TUBE ASSEMBLY - Alternate air inlet	1	
-20	67777-000	D	LEVER ASSEMBLY - Alternate air inlet	1	
-21	67776-000	D	SEAL - Alternate air inlet	1	
A - Used on PA-28R-180 airplanes only. B - Used on PA-28R-200 airplanes only. C - Used on PA-28R-180 with serial numbers 28R-30005 to 28R-30481 inclusive, 28R-30483 to 28R-31279 inclusive, and PA-28R-200 with serial numbers 28R-30482, 28R-35001 to 28R-35830 inclusive. D - Used on PA-28R-180 with serial numbers 28R-7130001 and up, and PA-28R-200 with serial numbers 28R-7135001 and up. E - See Figure 71 for component parts if a Chrysler alternator is installed. See Figure 32A if a Prestolite alternator, with air conditioning, is installed. F - Reference latest revision of Piper Service Bulletin 1118, which states that Alternate Air Inlet and Throttle Bracket With Air Gate (Part Number 99047-000) may have been delivered with incorrectly assembled components.					

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Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
58 -22	24582-000	E	* SPRING - Alternate air inlet	1	
-23	23809-005	E	* HINGE - Half, alternate air inlet	1	
-24	63900-096	E	* BUSHING - Alternate air inlet	1	
-24a	23809-006	E	* PIN - Hinge	1	
-25	63901-043		HOSE ASSEMBLY - Oil cooler	2	
-26	63633-046	A,C	HOSE - Air duct	1	
	67876-000	B	HOSE - Air duct	1	28R-7235001 and up
-27	62992-000	A	TUBE ASSEMBLY - Manifold pressure	1	
	36692-002	B	TUBE ASSEMBLY - Manifold pressure	1	
-28	67700-027	F	TUBE ASSEMBLY - Oil pressure	1	
	67700-089	B	TUBE ASSEMBLY - Oil pressure, forward	1	28R-7535001 and up
	67700-087	B	TUBE ASSEMBLY - Oil pressure, aft	1	28R-7535001 and up
-29	67700-029		TUBE ASSEMBLY - Manifold pressure gauge	1	
-30	62980-000	D	TUBE - Engine breather	1	
	76434-000	B	TUBE - Engine Breather	1	28R-7435001 and up
-31	67134-000	A	BRACKET SUPPORT - Oil cooler	1	
-32	67605-000		BRACKET ASSEMBLY - Throttle control	1	28R-30005 to 28R-30478 incl.
-33	68026-000		BRACKET ASSEMBLY - Governor support	1	
-34	62938-000	A	BRACKET - Oil radiator, left	1	
	62938-001	A	BRACKET - Oil radiator, right	1	
-35	68771-009		GASKET - Firewall	1	
	66789-000		PLATE - Firewall	2	
	68770-011		GROMMET - Firewall	2	
-36	22105-010	F	GASKET - Firewall	1	
	66789-000	F	PLATE - Firewall	2	
	68770-018	F	GROMMET - Firewall	2	
-37	63684-004		GASKET - Vellumoid	1	
-38	63633-057	A	HOSE - Air duct	1	
	63633-063	B	HOSE - Air duct	1	
-39	69015-007	A	HOSE - Flexible	1	
-40	69015-006		HOSE - Flexible	1	
-41	491-055		UNION - (AN815-4)	1	
-42	476-688		NIPPLE - (AN816-8)	1	
-43	458-886	A	ELBOW - 45° (AN823-8D)	2	
	458-855	B	ELBOW - (AN823-8)	1	
-44	68778-000		ELBOW - 45°, Restricted	1	
-45	458-870		ELBOW - 45° (AN844-10D)	1	
-46	460-685		CONNECTOR - (200 x 4)	1	
-47	554-804	A,C	CLAMP - (H3-5800)	2	
	554-866	B	CLAMP - (SAE TY F-48SS)	1	28R-7235001 and up
A - Used on PA-28R-180 airplanes only. B - Used on PA-28R-200 airplanes only. C - Used on PA-28R-200 with serial numbers 28R-30482, 28R-35001 to 28R-7135238 inclusive. D - Used on PA-28R-180 with serial numbers 28R-30005 to 28R-7130019 inclusive, and PA-28R-200 with serial numbers 28R-30482, 28R-35001 and up. E - Used on PA-28R-180 with serial numbers 28R-7130001 and up, and PA-28R-200 with serial numbers 28R-7135001 and up. F - Used on PA-28R-180 with serial numbers 28R-30005 to 28R-7130019 inclusive, and PA-28R-200 with serial numbers 28R-30482, 28R-35001 to 28R-7435331 inclusive.					

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Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
58 -48	588-469	B,E	TEE - (1/8 MMS-S)	1	28R-7535001 and up
-49	554-897		CLAMP - (SAE TY F-80)	2	
-50	454-837		CLAMP - (H-78000)	2	
-51	486-335		SCREW - (M35AS1032R-12C)	2	
	690-612		WASHER - (NAS1149F0363P)	2	
-52	63913-064		HOSE - Flexible	1	
-53	401-310		BOLT - (AN4-10A)	12	
	690-613		WASHER - (NAS1149F0432P)	12	
	404-530		NUT - (MS21042-4)	12	
-54	401-417		BOLT - (AN6-37A)	1	
	690-629		WASHER - (NAS1149F0663P)	1	
	404-532		NUT - (MS21042-6)	1	
-55	401-405		BOLT - (AN6-25A)	2	
	407-567		WASHER - (AN960-616)	2	
	404-532		NUT - (MS21042-6)	2	
-56	401-411		BOLT - (AN6-33A)	2	
	407-567		WASHER - (AN960-616)	2	
	404-532		NUT - (MS21042-6)	2	
-57	85012-101		WASHER - Engine mount	6	
-58	401-544		BOLT - (AN7-44A)	2	
	690-630		WASHER - (NAS1149F0763P)	2	
	404-891		NUT - (MS20365-720C)	2	
-59	401-543		BOLT - (AN7-43A)	2	
	690-630		WASHER - (NAS1149F0763P))	4	
	404-891		NUT - (MS20365-720C)	2	
-60	401-926	A	BOLT - Drilled head (MS20074-04-13)	2	
	401-919	A,B	BOLT - (MS20074-04-04)	2	
	408-051	A	WASHER - Lock (MS35333-40)	2	
	690-611	A,B	WASHER - (NAS1149F0463P)	2	
-61	401-920	A	BOLT - Drilled head (MS20074-04-05)	1	
	401-919	A,B	BOLT - (MS20074-04-04)	1	
	408-051	A	WASHER - Lock (MS35330-40)	1	
	690-611	A,B	WASHER - (NAS1149F0463P)	1	
-62	67724-000		MOUNT ASSEMBLY - Cowl support	2	
-63	67616-000		BOX ASSEMBLY - Air filter	1	
-64	484-342		* RECEPTACLE - (212-12D)	3	
-65	67615-000	C	COVER ASSEMBLY - Air filter box and alternate air inlet	1	
	67745-000	D	COVER ASSEMBLY - Air filter box	1	
-66	23809-007	C	* DOOR ASSEMBLY - Alternate air inlet	1	
-67	23809-004	C	** GASKET - Rubber sponge	1	
-68	24582-000	C	** SPRING - Alternate air inlet door	1	
-69	69074-000	C	* LEVER ASSEMBLY - Alternate air inlet	1	
-70	487-724		* STUD - (2600-123W)	1	
-71	487-723		* STUD - (2600-114W)	2	
-71a	494-060		* WASHER - (2600-LW)	3	
A - Used on PA-28R-180 airplanes only. B - Used on PA-28R-200 airplanes only. C - Used on PA-28R-180 with serial numbers 28R-30005 to 28R-30481 inclusive, 28R-30483 to 28R-31279 inclusive, and PA-28R-200 with serial numbers 28R-30482, 28R-35001 to 28R-35830 inclusive. D - Used on PA-28R-180 with serial numbers 28R-7130001 and up, and PA-28R-200 with serial numbers 28R-7135001 and up. E - Used if engine hour meter is installed.					

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Figure and Index Number	Part Number	Code	NOMENCLATURE	No. Req.	SERIAL NUMBERS AFFECTED
58 -72	89309-000		FILTER - Air	1	
-73	99849-006		HOSE - Air filter box	1	
-74	99849-007		HOSE - Air filter box	1	
-75	554-803		CLAMP - (H3-3800)	2	
-76	554-804		CLAMP - (H3-5800)	2	
-77	458-855		ELBOW - (AN823-8)	1	
-78	67667-000	A	SEAL ASSEMBLY - Oil radiator	1	
	67829-000	B	SEAL ASSEMBLY - Oil radiator	2	
-79	401-928	A	BOLT - Drilled head (MS20774-04-15)	1	28R-30005 to 28R-30478 incl.
	401-919	A,B	BOLT - (MS20074-04-04)	1	28R-30479 and up
	408-051	A	WASHER - (MS35330-40)	1	28R-30005 to 28R-30478 incl.
	690-611	A,B	WASHER - (NAS1149F0463P)	1	28R-30479 and up
-80	67725-002		BOLT - Cowl support adjusting	2	
-81	756-517	C	VALVE ASSEMBLY - Oil drain (BJ1000-AH4S)	1	
	61879-002	D	VALVE ASSEMBLY - Oil drain	1	
	492-172	B	VALVE ASSEMBLY - Oil drain (1H50-1)	1	
-82	406-669		NUT - (9RF51624)	2	
-83	475-124		MOUNT - Engine (J-9613-40)	4	
-84	66634-004		GOVERNOR - Propeller	1	
-85	67119-049	E	MOUNT ASSEMBLY - Engine and nose gear strut	1	
	67119-057	B	MOUNT ASSEMBLY - Engine and nose gear strut	1	28R-7435001 and up
	67119-058		MOUNT ASSEMBLY - Engine and nose gear strut	1	28R-7235001 to 28R-7335455 incl.
-86	18622-000	A	OIL RADIATOR	1	
	67848-000	B	OIL RADIATOR	1	
-87	401-301	D	BOLT - (AN4H3A)	4	
	690-611	D	WASHER - (NAS1149F0463P)	8	
-88	79038-000	B	TEE - Bulkhead fitting	1	28R-7535001 and up
-89	587-961	B	SWITCH - (M4011-35)	1	28R-7535001 and up
-90	690-626	B	WASHER - (NAS1149F0732P)	1	28R-7535001 and up
	477-629	B	NUT - (AN924-4)	1	28R-7535001 and up
-91	587-990	B,F	SWITCH - (M-4006-4)	1	28R-7535001 and up
-92	87369-026	B	PLACARD - Caution, oil drain valve	2	
-93	554-918		CLAMP - Cowl support mount (MS27405-T6)	2	
A - Used on PA-28R-180 airplanes only. B - Used on PA-28R-200 airplanes only. Reference latest revision of Piper Service Letter 910. Assure proper oil quick drain valve, Piper Part No. 492-172, is installed. C - Used on PA-28R-180 with serial numbers 28R-30006 to 28R-30458 inclusive, 30460 to 30462 inclusive, 30465, 30466, 30469, 30471 to 30476 inclusive, 30478 to 30480 inclusive, 30483, 30484, 30490, 30491, 30493, 30495, 30496, 30498 to 30500 inclusive, 30502 to 30509 inclusive, and 30511 to 30516 inclusive, 30607 and 30613. D - Used on PA-28R-180 with serial numbers 28R-30459, 28R-30463, 30464, 30467, 30468, 30470, 30477, 30481, 30485 to 30489 inclusive, 30608 to 30612 inclusive, and 30614 and up. E - Used on PA-28R-180 with serial numbers 28R-30005 to 28R-7130019 inclusive, and PA-28R-200 with serial numbers 28R-30482, 28R-35001 to 28R-7135238 inclusive. F - Used if engine hour meter is installed.					

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