

FAA-PARTS MANUFACTURER APPROVAL (PMA) SUPPLEMENT

AIRMOTIVE ENGINEERING CORP.

**9503 Middlex
San Antonio, Texas 78217**

**PMA No. PQ3SW
Supplement No. 2 39
Revision No. IR
Date: JUN 0 1 2001**

ACO Project No: PM5994SC-E

Part Name	Part Number	Approved Replacement For	Approval Basis and Approved Design Data	Installation Eligibility (Make)	Installation Eligibility (Model)
Crankcase Assembly (Dynafoal Type 1 Mount, Wide Deck)	AEL65460-1	Lycoming	Test and Computations per 14CFR § 21.303, dwg. no. AEL65460, rev. A, dated 8/2/00, or later FAA approved revisions.	Lycoming	O-320-A2B, D1A, D1B, D1C, D1D, D2A, D2B, D2C, D2G, D2H, D3G, E1A, E1B, E1C, E2A, E2B, E2C, E2D, E2G, E2H, E3D, E3H; IO-320-D1A, F1A; O-360-A1A, A1AD, A1D, A1F, A1F6, A1F6D, A1G, A1G6, A1G6D, A2A, A2D, A2F, A2G, A3A, A3AD, A3D, A4A, A4AD, A4D, A4G, A4J, A4K, A4M, A4P, A5AD, B1A, B1B, B2A, B2B, B2C; IO-360-A1A, A1B, A1B6, A1B6D, A1C, A1D, A1D6, A1D6D, A2A, A2B, A2C, A3B6, A3B6D, A3D6D, B1B, B1D, B1E, B1F, B1F6, B2E, B2F, B2F6, B4A, C1A, C1B, C1C, C1C6, C1D6, C1F, F1A, L2A; LO-360-A1G6D; TIO-360-A1A, A1B, A3B6; and AEIO-360-A1A, A1B, A1B6, A1B6D, A1C, A1D, A1D6, A2A, A2B, A2C, A3B6D, B1B, B1D, B1E, B1F, B1F6, B1G6, B2F, B2F6, B4A.
	AEL65460-2	LW-18402-2			
	AEL65460-3	LW-18379			
	AEL65460-4	LW-18372			
		LW-15542			
		LW-13821			
		LW-13820			
		LW-13818			
		LW-13812			
		LW-13809			
		LW-12373			
		LW-12372			
		LW-11062			
	78223				
	78206				
	11B20061-1DL				
	11B20061-1SH				
	11B20061-1SL				
Crankcase Assembly (Dynafoal Type 2 Mount, Wide Deck)	AEL65460-5	Lycoming	Test and Computations per 14CFR § 21.303, dwg. no. AEL65460, rev. A, dated 8/2/00, or later FAA approved revisions.	Lycoming	IO-320-A1A, A2A, B1A, B1B, B1C, B1D, B2A, C1A, C1B; LIO-320-B1A, C1A; HO-360-A1A; IO-360-D1A, E1A; HIO-360-C1A, C1B, E1AD, E1BD, F1AD; and LHIO-360-C1A, C1B, F1AD.
	AEL65460-6	LW-16054			
	AEL65460-7	LW-13816			
	AEL65460-8	LW-13815			
		LW-13811			
		LW-13810			
		LW-13680			
		LW-11305			
	LW-11237				
	LW-11078				
	LW-11025				
	78224				
Crankcase Assembly (Conical Mount, Wide Deck)	AEL65460-9	Lycoming	Test and Computations per 14CFR § 21.303, dwg. no. AEL65460, rev. A, dated 8/2/00, or later FAA approved revisions.	Lycoming	O-320-No Suffix, A1A, A1B, A2B, A2C, A2D, A3A, A3B, B1B, B2B, B2C, B2D, B3B, C1B, C2B, C2C, C3B, E1A, E1B, E1C, E2A, E3D; IO-320-E1A, E1B, E2A, E2B; AEIO-320-E1A, E1B, E2A, E2B; O-360-C1A, C1C, C1E, C1F, C2A, C2B, C2C, C2E, C4F, C4P, D1A, D2A, J2A; HO-360-C1A;
	AEL65460-10	LW-18369			
	AEL65460-11	LW-13823			
	AEL65460-12	LW-13819			
		LW-13817			
	LW-13808				
	78222				

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Crankcase Assembly (Conical Mount, Wide Deck)	AEL65460-9 AEL65460-10 AEL65460-11 AEL65460-12	11B20061-3SH 11B20061-3SL	Test and Computations per 14CFR § 21.303, dwg. no. AEL65460, rev. A, dated 8/2/00, or later FAA approved revisions.	Lycoming	(continued from above) IO-360-K2A; HIO-360-A1A, A1B, B1A, B1B, D1A; and AEIO-360-H1A.
Crankcase Assembly (Dynafoal Type 1 Mount, Narrow Deck)	AEL65461-1 AEL65461-2 AEL65461-3 AEL65461-4	Lycoming LW-14516-S LW-14491-S LW-11303 78228 78220 78219 76601 76592 76590 74091 72676 72457 72452	Test and Computations per 14CFR § 21.303, dwg. no. AEL65461, rev. IR, dated 8/15/00, or later FAA approved revisions.	Lycoming	O-320-D1A, D1B, D2A, D2B, E1A, E1B, E1C, E2A; O-360-A1A, A1C, A1D, A2A, A2E, A3A, A3D, B1A, B1B, B2A, B2B; IO-360-A1A, B1A, B1B, B1C; and AEIO-360-A1A, B1B.
Crankcase Assembly (Dynafoal Type 2 Mount, Narrow Deck)	AEL65461-5 AEL65461-6 AEL65461-7 AEL65461-8	Lycoming LW-14419-S 78221 76602 74189	Test and Computations per 14CFR § 21.303, dwg. no. AEL65461, rev. IR, dated 8/15/00, or later FAA approved revisions.	Lycoming	IO-320-A1A, A2A, B1A, B1B, B2A.
Crankcase Assembly (Conical Mount, Narrow Deck)	AEL65461-9 AEL65461-10 AEL65461-11 AEL65461-12	Lycoming LW-14575-S LW-14571-S LW-14559-S 78229 78226 78218 78217 76595 76591 76589 76588 73609 72668 72667 71588 71586 69819 69816 69573 69537 69378	Test and Computations per 14CFR § 21.303, dwg. no. AEL65461, rev. IR, dated 8/15/00, or later FAA approved revisions.	Lycoming	O-320-No Suffix, A1A, A1B, A2A, A2B, A2C, A3A, A3B, A3C, B1A, B1B, B2A, B2B, B3A, B3B, B3C, C1A, C1B, C2A, C2B, C3A, C3B, C3C; O-340-A1A, A1B, A2A, B1A, B2A; O-360-C2A, C2C, C2D, D2A, D2B; HO-360-B1A, B1B; and HIO-360-A1A, A1B, B1A, B1B.

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(continued from above)	AEL65461-9	Lycoming	Test and Computations per 14CFR §	Lycoming	(see above listing)
Crankcase	AEL65461-10	69163	21.303, dwg. no.		
Assembly	AEL65461-11	69109	AEL65461, rev. IR,		
(Conical Mount, Narrow Deck)	AEL65461-12	68525	dated 8/15/00, or later FAA approved revisions.		
Bearing Crankshaft	AEL11021	Lycoming LW-16047 LW-11021 LW-11020 77033 77034 74180 73049 73048 72415 70408 69961 69653 69501 68763 67447 60933 60810 60729 18A19394	Test and Computations per 14CFR § 21.303, dwg. no. AEL11021, rev. C, dated 2/23/00, or later FAA approved revisions.	Lycoming	O-235-C1, C1B, C1C, C2A, C2B, C2C, E1, E1B, E2A, E2B, F1, F1B, F2A, F2B, G1, G1B, G2A, G2B, H2C, J2A, J2B, K2A, K2B, K2C, L2A, L2C, M1, M2C, M3C, N2A, N2C, P1, P2A, P2C, P3C; O-290-D, D2, D2A, D2B, D2C; O-320-No Suffix, A1A, A1B, A2A, A2B, A2C, A2D, A3A, A3B, A3C, B1A, B1B, B2A, B2B, B2C, B2D, B3A, B3B, B3C, C1A, C1B, C2A, C2B, C2C, C3A, C3B, C3C, D1A, D1B, D1C, D1D, D1F, D2A, D2B, D2C, D2F, D2G, D2H, D2J, D3G, E1A, E1B, E1C, E1F, E1J, E2A, E2B, E2C, E2D, E2F, E2G, E2H, E3D, E3H; IO-320-A1A, A2A, B1A, B1B, B1C, B1D, B1E, B2A, C1A, C1B, D1A, D1B, D1C, E1A, E1B, E2A, E2B, F1A; AIO-320-A1A, A1B, A2A, A2B, B1B, C1B; LIO-320-B1A, C1A; AEIO-320-D1B, D2B, E1A, E1B, E2A, E2B; O-340-A1A, A1B, A2A, B1A, B2A; O-360-A1A, A1AD, A1C, A1D, A1F, A1F6, A1F6D, A1G, A1G6, A1G6D, A1H, A1H6, A1LD, A1P, A2A, A2D, A2E, A2F, A2G, A2H, A3A, A3AD, A3D, A4A, A4AD, A4D, A4G, A4J, A4K, A4M, A4N, A4P, A5AD, B1A, B1B, B2A, B2B, B2C, C1A, C1C, C1E, C1F, C1G, C2A, C2B, C2C, C2D, C2E, C4F, C4P, D1A, D2A, D2B, F1A6, G1A6, J2A; HO-360-A1A, B1A, B1B, C1A; IO-360-A1A, A1B, A1B6, A1B6D, A1C, A1D, A1D6, A1D6D, A2A, A2B, A2C, A3B6, A3B6D, A3D6D, B1A, B1B, B1C, B1D, B1E, B1F, B1F6, B1G6, B2E, B2F, B2F6, B4A, C1A, C1B, C1C, C1C6, C1D6, C1E6, C1E6D, C1F, D1A, E1A, F1A, J1AD, J1A6D, K2A, L2A; LO-360- A1G6D, A1H6; VO-360-A1A, A1B, B1A; AIO-360-A1A, A1B, A2A, A2B, B1B; HIO-360-A1A, A1B, B1A, B1B, C1A, C1B, D1A, E1AD, E1BD; IVO-360-A1A;

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Bearing Crankshaft	AEL11021	Lycoming LW-16047 LW-11021 LW-11020 77033 77034 74180 73049 73048 72415 70408 69961 69653 69501 68763 67447 60933 60810 60729 18A19394	Test and Computations per 14CFR § 21.303, dwg. no. AEL11021, rev. C, dated 2/23/00, or later FAA approved revisions.	Lycoming	(continued from above) LIO-360-C1E6; AEIO-360-A1A, A1B, A1B6, A1B6D, A1C, A1D, A1D6, A1E, A1E6, A2A, A2B, A2C, A3B6D, B1B, B1D, B1E, B1F, B1F6, B1G6, B2F, B2F6, B4A, H1A, H1B; LHIO-360-C1A, C1B; VO-435-A1B, A1C, A1D, A1E, A1F, B1A; TVO-435-A1A, B1A, B1B, D1A, D1B, E1A, F1A, G1A, G1B; O-480-1, 1A, 3; GO-480-B, B1A6, B1B, B1C, B1D, C1B6, C1D6, C2C6, C2D6, C2E6, D1A, F6, F1A6, F2A6, F2D6, F3A6, F3B6, F4A6, F4B6, G1A6, G1B6, G1D6, G1E6, G1H6, G1J6, G2D6, G2F6; IGO-480-A1A6, A1B6; GSO-480-A1A6, A1C6, A2A6, B1A6, B1B3, B1B6, B1C6, B1E6, B1F6, B1G6, B1J6, B2C6, B2D6, B2G6, B2H6; IGSO-480-A1A6, A1B6, A1C6, A1D6, A1E6, A1F3, A1F6, A1G6; O-540-A1A, A1A5, A1B5, A1C5, A1D, A1D5, A2B, A3D5, A4A5, A4B5, A4C5, A4D5, B1A5, B1B5, B1D5, B2A5, B2B5, B2C5, B4A5, B4B5, D1A5, E4A5, E4B5, E4C5, F1A5, F1B5; IO-540-A1A5, B1A5, B1B5, B1C5, C1B5, C1C5, C2C, C4B5, C4C5, C4D5, C4D5D, D4A5, D4B5, D4C5, E1A5, E1B5, E1C5, G1A5, G1B5, G1C5, G1D5, G1E5, G1F5, J4A5, P1A5, T4A5D, T4B5, T4B5D, T4C5D, V4A5, V4A5D; VO-540-A1A, A2A, B1A, B1B, B1B3, B1C, B1D, B1E, B1F, B1H3, B2A, B2C, B2D, B2E, B2G, C1A, C1B, C1C3, C2A, C2B, C2C; IVO-540-A1A; TIO-540-C1A, E1A, G1A, H1A, K1AD, AA1AD, AB1AD, AB1BD, AF1A, AF1B, AG1A; AEIO-540-D4A5, D4B5, D4C5, D4D5; LTIO-540-K1AD; and TIVO-540-A2A.
Bearing, Crankshaft	AEL16711	Lycoming LW-16711	Test and Computations per 14CFR § 21.303, dwg. no. AEL16711, rev. IR, dated 7/1/99, or later FAA approved revisions.	Lycoming	Installation Eligibility is the same as AEL11021.

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Bearing, Crankshaft, Front	AEL13884	Lycoming LW-13884 77044 75210 71637 69372 68527 18A19441	Test and Computations per 14CFR § 21.303, dwg. no. AEL13884, rev. A, dated 1/3/00, or later FAA approved revisions.	Lycoming	O-235-M1, M2C, M3C, P1, P2A, P2C, P3C; O-320-No Suffix, A1A, A1B, A2A, A2B, A2C, A3A, A3B, A3C, B1A, B1B, B2A, B2B, B2C, B2D, B3A, B3B, B3C, C1A, C1B, C2A, C2B, C2C, C3A, C3B, C3C, D1A, D1B, D1C, D1D, D1F, D2A, D2B, D2C, D2F, D2G, D2H, D2J, D3G, E1A, E1B, E1C, E1F, E1J, E2A, E2B, E2C, E2F, H1AD, H1BD, H2AD, H2BD, H3AD, H3BD; IO-320-A1A, A2A, B1A, B1B, B1C, B1D, B1E, B2A, C1A, D1A, D1B, D1C, E1A, E1B, E2A, F1A; AIO-320-A1A, A1B, A2A, A2B, B1B, C1B; LIO-320-B1A, C1A; AEIO-320-D1B, E1A, E1B, E2A; O-340-A1A, A1B, A2A, B1A, B2A; O-360-A1A, A1AD, A1C, A1D, A1F, A1F6, A1F6D, A1G, A1G6, A1G6D, A1H, A1H6, A1LD, A1P, A2A, A2D, A2E, A2F, A2G, A2H, A3A, A3AD, A3D, A4A, A4AD, A4D, A4G, A4J, A4K, A4M, A4N, A4P, A5AD, B1A, B1B, B2A, B2B, B2C, C1A, C1C, C1E, C1F, C1G, C2A, C2B, C2C, C2D, C2E, C4F, C4P, D1A, D2A, D2B, F1A6, G1A6, J2A; HO-360-A1A, B1A, B1B, C1A; IO-360-A1A, A1B, A1B6, A1B6D, A1C, A1D, A1D6, A1D6D, A2A, A2B, A2C, A3B6, A3B6D, A3D6D, B1A, B1B, B1C, B1D, B1E, B1F, B1F6, B1G6, B2E, B2F, B2F6, B4A, C1A, C1B, C1C, C1C6, C1D6, C1E6, C1E6D, C1F, D1A, E1A, F1A, J1AD, J1A6D, K2A, L2A; LO-360-A1G6D, A1H6; VO-360-A1A, A1B, B1A; AIO-360-A1A, A1B, A2A, A2B, B1B; HIO-360-A1A, A1B, B1A, B1B, C1A, C1B, D1A, E1AD, E1BD; IVO-360-A1A; LIO-360-C1E6; TIO-360-A1A, A1B, A3B6; AEIO-360-A1A, A1B, A1B6, A1B6D, A1C, A1D, A1D6, A1E, A2A, A2B, A3B6D, B1B, B1D, B1E, B1F, B1F6, B1G6, B2F, B2F6, B4A, B4A, H1A, H1B; LHIO-360-C1A, C1B; O-540-A1A, A1A5, A1B5, A1C5, A1D, A1D5, A2B, A3D5, A4A5, A4B5, A4C5, A4D5, B1A5, B1B5, B1D5, B2A5, B2B5, B2C5, B4A5, B4B5, D1A5, E4A5, E4B5, E4C5, F1A5, F1B5, J1A5D, J1B5D, J1C5D, J1D5D, J2A5D, J2B5D, J2C5D, J2D5D, J3A5, J3A5D, J3C5D, L3C5D;

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Bearing, Crankshaft, Front	AEL13884	Lycoming LW-13884 77044 75210 71637 69372 68527 18A19441	Test and Computations per 14CFR § 21.303, dwg. no. AEL13884, rev. A, dated 1/3/00, or later FAA approved revisions.	Lycoming	(continued from above) IO-540-A1A5, B1A5, B1B5, B1C5, C1B5, C1C5, C2C, C4B5, C4C5, C4D5, C4D5D, D4A5, D4B5, D4C5, E1A5, E1B5, E1C5, G1A5, G1B5, G1C5, G1D5, G1E5, G1F5, J4A5, P1A5, T4A5D, T4B5, T4B5D, T4C5D, V4A5, V4A5D, W1A5, W1A5D, W3A5D, AB1A5; TIO-540-C1A, E1A, G1A, H1A, K1AD, U2A, V2AD, AA1AD, AB1AD, AB1BD, AF1A, AF1B, AG1A; AEIO-540-D4A5, D4B5, D4C5, D4D5; and LTIO-540-K1AD, U2A, V2AD.
Bearing, Connecting Rod	AEL13521	Lycoming LW-16048 LW-14954 LW-13522 LW-13521 72218 67276 18M19389	Test and Computations per 14CFR §21.303, dwg. no. AEL13521, rev. A, dated 1/4/00, or later FAA approved revisions.	Lycoming	O-360-A1A, A1AD, A1C, A1D, A1F, A1F6, A1F6D, A1G, A1G6, A1G6D, A1H, A1H6, A1LD, A1P, A2A, A2D, A2E, A2F, A2G, A2H, A3A, A3AD, A3D, A4A, A4AD, A4D, A4G, A4J, A4K, A4M, A4N, A4P, A5AD, B1A, B1B, B2A, B2B, C1A, C1C, C1E, C1F, C1G, C2A, C2B, C2C, C2D, C2E, C4F, C4P, D1A, D2A, D2B, F1A6, G1A6, J2A; HO-360-A1A, B1A, B1B, C1A; IO-360-B1A, B1B, B1C, B1D, B1E, B1F, B1F6, B1G6, B2E, B2F, B2F6, B4A, E1A, F1A, L2A; LO-360-A1G6D, A1H6; VO-360-A1A, A1B, B1A; HIO-360-A1A, A1B, B1A, B1B; IVO-360-A1A; AEIO-360-B1B, B1D, B1F, B1F6, B1G6, B2F, B2F6, B4A, H1A, H1B; VO-435-A1B, A1C, A1D, A1E, A1F, B1A; TVO-435-A1A, B1A, B1B, E1A; O-480-1, 1A, 3; GO-480-B1A6, C1B6, C1D6, C2C6, C2D6, C2E6, D1A, G1A6, G1B6, G1D6, G1E6, G1H6, G1J6, G2D6, G2F6; GSO-480-A1A6, A1C6, A2A6, B1A6, B1B3, B1B6, B1C6, B1E6, B1F6, B1G6, B1J6, B2C6, B2D6, B2G6, B2H6; IGO-480-A1A6, A1B6; IGSO-480-A1A6, A1B6, A1C6, A1D6, A1E6, A1F3, A1F6, A1G6; O-540-A1A, A1A5, A1B5, A1C5, A1D, A1D5, A2B, A3D5, A4A5, A4B5, A4C5, A4D5, B1A5, B1B5, B1D5, B2A5, B2B5, B2C5, B4A5, B4B5, D1A5, E4A5, E4B5, E4C5, F1A5, F1B5, G1A5, G2A5, H1A5, H1A5D, H1B5D, H2A5, H2A5D, H2B5D, J1A5D, J1B5D, J1C5D, J1D5D, J2A5D, J2B5D, J2C5D, J2D5D, J3A5, J3A5D, J3C5D, L3C5D;

Part Name	Part Number	Approved Replacement For	Approval Basis and Approved Design Data	Installation Eligibility (Make)	Installation Eligibility (Model)
Bearing, Connecting Rod	AEL13521	Lycoming LW-16048 LW-14954 LW-13522 LW-13521 72218 67276 18M19389	Test and Computations per 14CFR §21.303, dwg. no. AEL13521, rev. A, dated 1/4/00, or later FAA approved revisions.	Lycoming	(continued from above) IO-540-A1A5, B1A5, B1B5, B1C5, C1B5, C1C5, C2C, C4B5, C4C5, C4D5, C4D5D, D4A5, D4B5, D4C5, E1A5, E1B5, E1C5, G1A5, G1B5, G1C5, G1D5, G1E5, G1F5, J4A5, N1A5, P1A5, R1A5, T4A5D, T4B5, T4B5D, T4C5D, V4A5, V4A5D, W1A5, W1A5D, W3A5D, AB1A5; TIO-540-C1A, E1A, G1A, H1A, K1AD, A A1AD, AB1AD, AB1BD, AF1A, AF1B, AG1A; AEIO-540-D4A5, D4B5, D4C5; and LTIO-540-K1AD.
Bearing, Connecting Rod	AEL69373	Lycoming 69373 69167 61662 60726	Test and Computations per 14CFR § 21.303, dwg. no. AEL69373, rev. A, dated 8/28/00, or later FAA approved revisions.	Lycoming	O-235-C1, C1B, C1C, C2A, C2B, C2C, E1, E1B, E2A, E2B, F1, F1B, F2A, F2B, G1, G1B, G2A, G2B, H2C, J2A, J2B, K2A, K2B, K2C, L2A, L2C, M1, M2C, M3C, N2A, N2C, P1, P2A, P2C, P3C; O-290-D, D2, D2A, D2B, D2C; O-320-No Suffix, A1A, A1B, A2A, A2B, A2C, A2D, A3A, A3B, A3C, B1A, B1B, B2A, B2B, B2C, B2D, B3A, B3B, B3C, C1A, C1B, C2A, C2B, C2C, C3A, C3B, C3C, D1A, D1B, D1C, D1D, D1F, D2A, D2B, D2C, D2F, D2G, D1H, D2J, D3G, E1A, E1B, E1C, E1F, E1J, E2A, E2B, E2C, E2D, E2F, E2G, E2H, E3D, E3H, H1AD, H1BD, H2AD, H2BD, H3AD, H3BD; IO-320-A1A, A2A, B1A, B1B, B1C, B1D, B1E, B2A, C1A, C1B, D1A, D1B, D1C, E1A, E1B, E2A, E2B, F1A; AIO-320-A1A, A1B, A2A, A2B, B1B, C1B; LIO-320-B1A, C1A; AEIO-320-D1B, D2B, E1A, E1B, E2A, E2B; and O-340-A1A, A1B, A2A, B1A, B2A.
Housing, Oil Pump	AEL78531	Lycoming 78531	Test and Computations per 14CFR § 21.303, dwg. no. AEL78531, rev. IR, dated 8/31/00, or later FAA approved revisions.	Lycoming	O-235-C1, C1B, C1C, C2A, C2B, C2C, E1, E1B, E2A, E2B, F1, F1B, F2A, F2B, G1, G1B, G2A, G2B, H2C, J2A, J2B, K2A, K2B, K2C, L2A, L2C, M1, M2C, M3C, N2A, N2C, P1, P2A, P2C, P3C; O-290-D, D2, D2A, D2B, D2C; O-320-No Suffix, A1A, A1B, A2A, A2B, A2C, A2D, A3A, A3B, A3C, B1A, B1B, B2A, B2B, B2C, B2D, B3A, B3B, B3C, C1A, C1B, C2A, C2B, C2C, C3A, C3B, C3C, D1A, D1B, D1C, D1D, D1F, D2A, D2B, D2C, D2F, D2G, D2H, D2J, D3G, E1A, E1B, E1C, E1F, E1J, E2A, E2B, E2C, E2D, E2F, E2G, E2H, E3D, E3H; IO-320-A1A, A2A, B1A, B1C, B1D, B1E, B2A, D1A, D1B, D1C, E1A, E1B, E2A, E2B, F1A;

Part Name	Part Number	Approved Replacement For	Approval Basis and Approved Design Data	Installation Eligibility (Make)	Installation Eligibility (Model)
Housing, Oil Pump	AEL78531	Lycoming 78531	Test and Computations per 14CFR § 21.303, dwg. no. AEL78531, rev. IR, dated 8/31/00, or later FAA approved revisions.	Lycoming	(continued from above) AIO-320-A1A, A1B, A2A, A2B, B1B, C1B; AEIO-320-D1B, D2B, E1A, E1B, E2A, E2B; O-340-A1A, A1B, A2A, B1A, B2A; O-360-A1A, A1D, A1F, A1F6, A1G, A1G6, A1H, A1H6, A1P, A2A, A2D, A2F, A2G, A2H, A3A, A3D, A4A, A4D, A4G, A4J, A4K, A4M, A4N, A4P, B1A, B1B, B2A, B2B, B2C, C1A, C1C, C1E, C1F, C1G, C2A, C2B, C2C, C2E, C4F, C4P, D1A, D2A, D2B, F1A6, G1A6, J2A; HO-360-A1A, C1A; IO-360-A1A, A1B, A1B6, A1C, A1D, A1D6, A2A, A2B, A2C, A3B6, B1A, B1B, B1C, B1D, B1E, B1F, B1F6, B1G6, B2E, B2F, B2F6, B4A, C1A, C1B, C1C, C1C6, C1D6, C1E6, C1F, D1A, E1A, F1A, K2A, L2A; VO-360-A1A, A1B, B1A; AIO-360-A1A, A1B, A2A, A2B, B1B; HIO-360-A1A, A1B, B1A, C1A, C1B, D1A; IVO-360-A1A; AEIO-360-A1A, A1B, A1B6, A1C, A1D, A1D6, A1E, A1E6, A2A, A2B, A2C, B1B, B1E, B1F, B1F6, B1G6, B2F, B2F6, B4A, H1A, H1B; O-540-A1A, A1A5, A1B5, A1C5, A1D, A1D5, A2B, A3D5, A4A5, A4B5, A4C5, A4D5, B1A5, B1B5, B1D5, B2A5, B2B5, B2C5, B4A5, B4B5, D1A5, E4A5, E4B5, E4C5, F1A5, F1B5, G1A5, G2A5, H1A5, H2A5, J3A5; IO-540-A1A5, B1A5, B1B5, B1C5, C1B5, C4B5, C4D5, D4A5, D4B5, D4C5, E1A5, G1A5, G1E5, G1F5, K1G5, K1H5, K1J5, L1C5, N1A5, T4B5, V4A5, AB1A5; and AEIO-540-D4A5, D4B5, D4C5.
Housing, Oil Pump	AEL78528	Lycoming 78528 76354 76061 69183 69154 69153 60984	Test and Computations per 14CFR § 21.303, dwg. no. AEL78528, rev. B, dated 5/19/00, or later FAA approved revisions.	Lycoming	O-235-C1, C1B, C1C, C2A, C2B, C2C, E1, E1B, E2A, E2B, F1, F1B, F2A, F2B, G1, G1B, G2A, G2B, H2C, J2A, J2B, K2A, K2B, K2C, L2A, L2C, M1, M2C, M3C, N2A, N2C, P1, P2A, P2C, P3C; O-290-D, D2, D2A, D2B, D2C; O-320-No Suffix, A1A, A1B, A2A, A2B, A2C, A2D, A3A, A3B, A3C, B1A, B1B, B2A, B2B, B2C, B2D, B3A, B3B, B3C, C1A, C1B, C2A, C2B, C2C, C3A, C3B, C3C, D1A, D1B, D1C, D1D, D1F, D2A, D2B, D2C, D2F, D2G, D2H, D2J, D3G, E1A, E1B, E1C, E1F, E1J, E2A, E2B, E2C, E2D, E2F, E2G, E2H, E3D, E3H; IO-320-A1A, A2A, B1A, B1C, B1D, B1E, B2A, D1A, D1B, D1C, E1A, E1B, E2A, E2B, F1A;

Part Name	Part Number	Approved Replacement For	Approval Basis and Approved Design Data	Installation Eligibility (Make)	Installation Eligibility (Model)
Housing, Oil Pump	AEL78528	Lycoming	Test and Computations per 14CFR §	Lycoming (continued from above)	AIO-320-A1A, A1B, A2A, A2B, B1B, C1B; AEIO-320-D1B, D2B, E1A, E1B, E2A, E2B; O-340-A1A, A1B, A2A, B1A, B2A; O-360-A1A, A1D, A1F, A1F6, A1G, A1G6, A1H, A1H6, A1P, A2A, A2D, A2F, A2G, A2H, A3A, A3D, A4A, A4D, A4G, A4J, A4K, A4M, A4N, A4P, B1A, B1B, B2A, B2B, B2C, C1A, C1C, C1E, C1F, C1G, C2A, C2B, C2C, C2E, C4F, C4P, D1A, D2A, D2B, F1A6, G1A6, J2A; HO-360-A1A, C1A; IO-360-A1A, A1B, A1B6, A1C, A1D, A1D6, A2A, A2B, A2C, A3B6, B1A, B1B, B1C, B1D, B1E, B1F, B1F6, B1G6, B2E, B2F, B2F6, B4A, C1A, C1B, C1C, C1C6, C1D6, C1E6, C1F, D1A, E1A, F1A, K2A, L2A; VO-360-A1A, A1B, B1A; AIO-360-A1A, A1B, A2A, A2B, B1B; HIO-360-A1A, A1B, B1A, C1A, C1B, D1A; IVO-360-A1A; AEIO-360-A1A, A1B, A1B6, A1C, A1D, A1D6, A1E, A1E6, A2A, A2B, A2C, B1B, B1E, B1F, B1F6, B1G6, B2F, B2F6, B4A, H1A, H1B; O-540-A1A, A1A5, A1B5, A1C5, A1D, A1D5, A2B, A3D5, A4A5, A4B5, A4C5, A4D5, B1A5, B1B5, B1D5, B2A5, B2B5, B2C5, B4A5, B4B5, D1A5, E4A5, E4B5, E4C5, F1A5, F1B5, G1A5, G2A5, H1A5, H2A5, J3A5; IO-540-A1A5, B1A5, B1B5, B1C5, C1B5, C1C5, C2C, C4B5, C4C5, C4D5, D4A5, D4B5, D4C5, E1A5, E1B5, E1C5, G1A5, G1B5, G1C5, G1D5, G1E5, G1F5, J4A5, K1A5, K1B5, K1C5, K1D5, K1E5, K1F5, K1G5, K1H5, K1J5, K1K5, K2A5, L1A5, L1C5, M1A5, M1C5, N1A5, R1A5, T4B5, V4A5, AB1A5; and AEIO-540-D4A5, D4B5, D4C5, D4D5, L1B5.
		78528	21.303, dwg. no.		
		76354	AEL78528, rev. B,		
		76061	dated 5/19/00, or		
		69183	later FAA approved		
		69154	revisions.		
		69153			
60984					
Housing, Oil Pump	AEL75287	Lycoming	Test and Computations per 14CFR §	Lycoming	IO-540-EAA1A5, AA1B5, 1A5, E1B5, E1C5, K1B5, K1E5, K1H5, M1B5D, P1A5, S1A5, TIO-540-A1A, A1B, A1C, A2A, A2B, A2C, C1A, E1A, F2BD, G1A, H1A, J2B, U2A, W2A, AE2A, AF1A, AF1B, AG1A, AH1A, AJ1A; and IO-720-A1A, A1B, B1B, B1BD, C1B, D1B.
		75287	21.303, dwg. no.		
		73877	AEL75287, rev. IR, dated 1/5/01, or later FAA approved revisions.		

Part Name	Part Number	Approved Replacement For	Approval Basis and Approved Design Data	Installation Eligibility (Make)	Installation Eligibility (Model)
Housing, Oil Pump	AEL10342	Lycoming LW-10342	Test and Computations per 14 CFR §21.303, dwg. no. AEL10342, rev. IR dated 1-5-01, or later FAA approved revision	Lycoming	O-360-A1AD, A1F6D, A1G6D, A1LD, A3AD, A5AD; TO-360-C1A6D; IO-360-A1B6D, AA3B6D, J1A6D; and TIO-360-C1A6D.
Housing, Oil Pump	AEL10344	Lycoming LW-10344	Test and Computations per 14 CFR §21.303, dwg. no. AEL10344, rev. IR dated 1-5-01, or later FAA approved revision	Lycoming	O-540-H1B5D, H2B5D, J1A5D, J3A5D, J3C5D, L3C5D; IO-540-C4C5D, K1A5D, K1F5D, K1G5D, K1J5D, L1B5D, M1B5D, V4A5D, W1A5D, W3A5D; TIO-540-AA1AD, AB1AD, F2BD, J2BD, N2BD, R2AD, S1AD, V2AD; and IO-720-B1BD.
Impeller, Oil Pump Driving	AEL61297	Lycoming 61297	Test and Computations per 14 CFR §21.303, dwg. no. AEL61297, rev. IR dated 1-5-01, or later FAA approved revision	Lycoming	O-540-J1A5D, J3A5D, J3C5D, L3C5D, H1B5D, H2B5D; IO-540-AA1A5, AC1A5, C4D5D, E1A5, E1B5, K1A5D, K1B5, K1E5, K1F5D, K1G5D, K1J5D, M1B5D, P1A5, S1A5, T4A5D, T4B5D, T4C5D, V4A5D, W1A5D, W3A5D; TIO-540-A1A, AA1AD, AB1AD, AE2A, AF1A, AG1A, AH1A, AJ1A, A1B, A2A, A2B, A2C, C1A, E1A, F2BD, G1A, H1A, J2B, J2BD, N2BD, R2AD, S1AD, U2A, V2AD, W2A; LTIO-540-F2BD, J2B, J2BD, N2BD, R2AD, U2A, V2AD; AEIO-540-L1B5D; IGO-480-A1A6, A2A6, B1A6, B1B6, B1C6, B1J6, B2D6; IGSO-480-A1A6, A1B6, A1C6, A1E6, A1F6; IGO-540-A1A, A1C, B1A, B1C; IGSO-540-A1A, A1C, A1D, A1E, A1H, B1A, B1C; and IO-720-A1A, A1B, B1B, B1BD, C1B, D1B.
Impeller, Oil Pump-Driven	AEL61298	Lycoming 61298	Test and Computations per 14CFR §21.303, dwg. no. EL61298, rev. IR, dated 1/5/01, or later FAA approved revisions.	Lycoming	O-540-J1A5D, J3A5D, J3C5D, L3C5D, H1B5D, H2B5D; IO-540-AA1A5, AC1A5, C4D5D, E1A5, E1B5, K1A5D, K1B5, K1E5, K1F5D, K1G5D, K1J5D, M1B5D, P1A5, S1A5, T4A5D, T4B5D, T4C5D, V4A5D, W1A5D, W3A5D; TIO-540-A1A, AA1AD, AB1AD, AE2A, AF1A, AG1A, AH1A, AJ1A, A1B, A2A, A2B, A2C, C1A, E1A, F2BD, G1A, H1A, J2B, J2BD, N2BD, R2AD, S1AD, U2A, V2AD, W2A; LTIO-540-F2BD, J2B, J2BD, N2BD, R2AD, U2A, V2AD; AEIO-540-L1B5D; and IO-720-A1A, A1B, B1B, B1BD, C1B, D1B.

Part Name	Part Number	Approved Replacement For	Approval Basis and Approved Design Data	Installation Eligibility (Make)	Installation Eligibility (Model)
Shaft, Oil Pump	AEL60329	Lycoming 60329	Test and Computations per 14 CFR §21.303, dwg. no. AEL60329, rev IR, dated 1/5/01, or later FAA approved revisions.	Lycoming	O-540-J1A5D, J3A5D, J3C5D, L3C5D; IO-540-C4D5D, E1A5, E1B5, K1B5, P1A5, T4A5D, T4B5D, T4C5D, V4A5D, W1A5D, W3A5D; TIO-540-A1A, AA1AD, AB1AD, AE2A, AF1A, AG1A, AH1A, AJ1A, A1B, A2A, A2B, A2C, C1A, E1A, F2BD, G1A, H1A, J2B, J2BD, N2BD, R2AD, S1AD, U2A, V2AD, W2A; LTIO-540-F2B2, J2B, J2BD, N2BD, R2AD, V2AD; AEIO-540-L1B5D; and IO-720-A1A, A1B, B1B, B1BD, C1B, D1B.
Connecting Rod Assembly	AEL11750	Lycoming LW-11750	Test and Computations per 14CFR § 21.303, dwg. no. AEL11750, rev. G, dated 8/4/99, or later FAA approved revisions.	Lycoming	O-360-A1A, A1AD, A1C, A1D, A1F, A1F6, A1F6D, A1G, A1G6, A1G6D, A1H, A1H6, A1LD, A1P, A2A, A2D, A2E, A2F, A2G, A2H, A3A, A3AD, A3D, A4A, A4AD, A4D, A4G, A4J, A4K, A4M, A4N, A4P, A5AD, B1A, B1B, B2A, B2B, C1A, C1C, C1E, C1F, C1G, C2A, C2B, C2C, C2D, C2E, C4F, C4P, D1A, D2A, D2B, F1A6, G1A6, J2A; HO-360-A1A, B1A, B1B, C1A; IO-360-B1A, B1B, B1C, B1D, B1E, B1F, B1F6, B1G6, B2E, B2F, B2F6, B4A, E1A, F1A, L2A; LO-360-A1G6D, A1H6; HIO-360-A1A, A1B, B1A, B1B; AEIO-360-B1B, B1D, B1F, B1F6, B1G6, B2F, B2F6, B4A, H1A, H1B; O-540-A1A, A1A5, A1B5, A1C5, A1D, A1D5, A2B, A3D5, A4A5, A4B5, A4C5, A4D5, B1A5, B1B5, B1D5, B2A5, B2B5, B2C5, B4A5, B4B5, D1A5, E4A5, E4B5, E4C5, F1A5, F1B5, G1A5, G2A5, H1A5, H1A5D, H1B5D, H2A5, H2A5D, H2B5D; IO-540-A1A5, B1A5, B1B5, B1C5, C1B5, C1C5, C2C, C4B5, C4C5, C4D5, C4D5D, D4A5, D4B5, D4C5, E1A5, E1B5, E1C5, G1A5, G1B5, G1C5, G1D5, G1E5, G1F5, J4A5, N1A5, P1A5, R1A5, T4A5D, T4B5, T4B5D, T4C5D, V4A5, V4A5D; TIO-540-C1A, E1A, G1A, H1A, K1AD, AA1AD, AB1AD, AB1BD, AF1A, AF1B, AG1A; AEIO-540-D4A5, D4B5, D4C5, D4D5; and LTIO-540-K1AD.

Part Name	Part Number	Approved Replacement For	Approval Basis and Approved Design Data	Installation Eligibility (Make)	Installation Eligibility (Model)
Connecting Rod Assembly	AEL78030	Lycoming LW-10718 78030 61477 61476 61475 61474 61191	Test and Computations per 14CFR § 21.303, dwg. no. AEL78030, rev. IR, dated 9/5/00, or later FAA approved revisions.	Lycoming	O-235-C1, C1B, C1C, C2A, C2B, C2C, E1, E1B, E2A, E2B, F1, F1B, F2A, F2B, G1, G1B, G2A, G2B, H2C, J2A, J2B, K2A, K2B, K2C, L2A, L2C, M1, M2C, M3C, N2A, N2C, P1, P2A, P2C, P3C; O-290-D, D2, D2A, D2B, D2C; O-320-A1A, A1B, A2A, A2B, A2C, A2D, A3A, A3B, A3C, B1A, B1B, B2A, B2B, B2C, B2D, B3A, B3B, B3C, C1A, C1B, C2A, C2B, C2C, C3A, C3B, C3C, D1A, D1B, D1C, D1D, D1F, D2A, D2B, D2C, D2F, D2G, D2H, D2J, D3G, E1A, E1B, E1C, E1F, E1J, E2A, E2B, E2C, E2D, E2F, E2G, E2H, E3D, E3H, H1AD, H1BD, H2AD, H2BD, H3AD, H3BD; IO-320-A1A, A2A, B1A, B1B, B1C, B1D, B1E, B2A, C1A, C1B, D1A, D1B, D1C, E1A, E1B, E2A, E2B, F1A; AIO-320-A1A, A1B, A2A, A2B, B1B, C1B; LIO-320-B1A, C1A; and AEIO-320-D1B, D2B, E1A, E1B, E2A, E2B
Oil Sump Assembly	AEL78915	Lycoming 78915 71871 70489	Test and Computations per 14CFR § 21.303, dwg. no. AEL78915, rev. B, dated 9/5/00, or later FAA approved revisions.	Lycoming	O-360-A1A, A1AD, A1D, A1F, A1F6, A1F6D, A1LD, A1P, A2A, A2D, A2E, A2F, A3A, A3AD, A3D, A4A, A4AD, A4D, A4M, A4N, A4P, A5AD, B1A, B1B, B2A, B2B, B2C, C1A, C1C, C1E, C1G, C2A, C2C, C2E, C4P, D1A, D2A, D2B, J2A.
Oil Sump Assembly	AEL10826	Lycoming LW-10826 73162 LW-13861	Test and Computations per 14CFR §21.303, dwg. no. AEL10826, rev. B, dated 9/5/00, or later FAA approved revisions.	Lycoming	IO-360-B1A, B1B, B1D, B1F, B1F6, B2F, B2F6, B4A, L2A;and AEIO-360-B1F, B1F6, B1G6, B2F, B2F6, B4A, H1A, H1B.
Oil Sump Assembly	AEL10828	Lycoming LW-10828 74083	Test and Computations per 14CFR §21.303, dwg. no. AEL10828, rev. IR, dated 9/5/00, or later FAA approved revisions.	Lycoming	O-320-A2B, D1A, D1B, D1C, D1F, D2A, D2B, D2C, D2F, D2G, D2J, D3G, E1A, E1B, E1C, E1F, E1J, E2A, E2B, E2C, E2D, E2F, E2H, E3D, E3H.

Part Name	Part Number	Approved Replacement For	Approval Basis and Approved Design Data	Installation Eligibility (Make)	Installation Eligibility (Model)
Oil Sump Assembly	AEL10830	Lycoming LW-10830 LW-14997	Test and Computations per 14CFR § 21.303, dwg. no. AEL10830, rev. IR, dated 10/6/00, or later FAA approved revisions.	Lycoming	IO-320-D1A, D1B, D1C; and AEIO-320-D1B, D2B.
Connection, Intake Pipe	AEL78914	Lycoming 78914	Test and Computations per 14CFR §21.303, dwg. no. AEL78914, rev. B, dated 3/13/00, or later FAA approved revisions.	Lycoming	O-320-A2B, D1A, D1B, D1C, D1F, D2A, D2B, D2C, D2F, D2G, D2J, D3G, E1A, E1B, E1C, E1F, E1J, E2A, E2B, E2C, E2D, E2F, E2H, E3D, E3H; IO-320-D1A, D1B, D1C; AEIO-320-D1B, D2B; O-360-A1A, A1AD, A1D, A1F, A1F6, A1F6D, A1LD, A1P, A2A, A2D, A2E, A2F, A3A, A3AD, A3D, A4A, A4AD, A4D, A4M, A4N, A4P, A5AD, B1A, B1B, B2A, B2B, B2C, C1A, C1C, C1E, C1G, C2A, C2C, C2E, C4P, D1A, D2A, D2B, J2A; IO-360-B1A, B1B, B1D, B1F, B1F6, B2F, B2F6, B4A, L2A; and AEIO-360-B1F, B1F6, B1G6, B2F, B4A, H1A, H1B.
Pipe, Intake	AEL70485	Lycoming 70485	Test and Computations per 14CFR §21.303, dwg. no. AEL70485, rev. IR, dated 24/21/99, or later FAA approved revisions.	Lycoming	O-320-H1AD, H1BD, H2AD, H2BD, H3AD, H3BD; O-360-A1A, A1AD, A1D, A1F, A1F6, A1F6D, A1LD, A1P, A2A, A2D, A2E, A2F, A3A, A3AD, A3D, A4A, A4AD, A4D, A4M, A4N, A4P, A5AD, B1A, B1B, B2A, B2B, B2C, C1A, C1C, C1E, C1G, C2A, C2C, C2E, C4P, D1A, D2A, D2B, J2A; HO-360-A1A; IO-360-B1A, B1B, B1D, B1F, B1F6, B2F, B2F6, B4AS, L2A; AEIO-360-B1F, B1F6, B1G6, B2F, B4A, H1A, H1B; O-540-A1A, A1A5, A1B5, A1C5, A1D, A1D5, A2B, A3D5, A4A5, A4B5, A4C5, A4D5, B1A5, B1B5, B1D5, B2A5, B2B5, B2C5, B4A5, B4B5, D1A5, E4A5, E4B5, E4C5, F1A5, F1B5, G1A5, G2A5, H1A5, H1A5D, H1B5D, H2A5, H2A5D, H2B5D, J1A5D, J1B5D, J1C5D, J1D5D, J2A5D, J2B5D, J2C5D, J2D5D, J3A5, J3A5D;

Part Name	Part Number	Approved Replacement For	Approval Basis and Approved Design Data	Installation Eligibility (Make)	Installation Eligibility (Model)
					IO-540-C1B5, C1C5, C2C, C4B5, C4C5, C4D5D, D4A5, D4B5, D4C5, J4A5, N1A5, R1A5, T4A5D, T4B5, T4B5D, T4C5D, V4A5, V4A5D, W1A5, W1A5D, W3A5D, AP1A5; TIO-540-C1A, E1A, G1A, H1A, AA1AD, AB1AD, AB1BD, AF1A, AF1B, AG1A; and AEIO-540-D4A5, D4B5, D4C5, D4D5.
Pipe, Intake	AEL71712	Lycoming 71712	Test and Computations per 14CFR §21.303, dwg. no. AEL71712, rev. IR, dated 2/21/00, or later FAA approved revisions.	Lycoming	LO-360- A1G6D, A1H6, E1A6D; TO-360-E1A6D; HIO-360-BIA, B2B; and LTO-360-E1A6D.
Pipe, Intake	AEL71713	Lycoming 74141 71713	Test and Computations per 14CFR § 21.303, dwg. no. AEL71713, rev. IR, dated 2/21/00, or later FAA approved revisions.	Lycoming	O-360-A1C, A1G, A1G6, A1G6D, A1H, A1H6, A2G, A2H, A4G, A4J, A4K, C1F, C2B, C2D, C4F; HO-360-B1A, B1B, C1A; IO-360-B1C, B1E, B1G6, B2E, E1A, F1A; LO-360-A1G6D, A1H6; and HIO-360-BIA, B1B.

Part Name	Part Number	Approved Replacement For	Approval Basis and Approved Design Data	Installation Eligibility (Make)	Installation Eligibility (Model)
Hose, Intake Pipe	AEL69603	Lycoming 69603	Test and Computations per 14CFR § 21.303, dwg. no. AEL69603, rev. IR, dated 1/8/99, or later FAA approved revisions.	Lycoming	O-320-A2B, B2D, D1A, D1B, D1C, D1D, D1F, D2A, D2B, D2C, D2F, D2G, D2J, D3G, E1A, E1B, E1C, E1F, E1J, E2A, E2B, E2C, E2D, E2F, E2H, E3D, E3H; IO-320-A1A, A2A, B1A, B1B, B1C, B1D, B1E, B2A, C1A, C1B, D1A, D1B, D1C, F1A; LIO-320-B1A, C1A; AEIO-320-D1B, D2B; O-360-A1A, A1AD, A1C, A1D, A1F, A1F6, A1F6D, A1G, A1G6, A1G6D, A1H, A1H6, A1LD, A1P, A2A, A2D, A2E, A2F, A2G, A2H, A3A, A3AD, A3D, A4A, A4AD, A4D, A4G, A4J, A4K, A4M, A4N, A4P, A5AD, B1A, B1B, B2A, B2B, B2C, C1A, C1C, C1E, C1F, C1G, C2A, C2B, C2C, C2D, C2E, C4F, C4P, D1A, D2A, D2B, F1A6, G1A6, J2A; HO-360-A1A, B1A, B1B, C1A; IO-360-B1A, B1B, B1C, B1D, B1E, B1F, B1F6, B1G6, B2E, B2F, B2F6, B4A, E1A, F1A, L2A; LO-360-A1G6D, A1H6; TO-360-A1A6D, C1A6D, F1A6D; HIO-360-B1A, B1B, E1AD, E1BD, F1AD; LTO-360-A1A6D; TIO-360-C1A6D; AEIO-360-B1B, B1D, B1F, B1F6, B1G6, B2F, B2F6, B4A, H1A, H1B; LHIO-360-F1AD; O-480-1, 1A, 3; GSO-480-A1A6, A1C6, A2A6, B1A6, B1B3, B1B6, B1C6, B1E6, B1F6, B1G6, B1J6, B2C6, B2D6, B2G6, B2H6; IGSO-480-A1A6, A1B6, A1C6, A1D6, A1E6, A1F3, A1F6, A1G6;
Hose, Intake Pipe	AEL69603	Lycoming 69603	Test and Computations per 14CFR § 21.303, dwg. no. AEL69603, rev. IR, dated 1/8/99, or later FAA approved revisions.	Lycoming	(continued from above) O-540- A1A, A1A5, A1B5, A1C5, A1D, A1D5, A2B, A3D5, A4A5, A4B5, A4C5, A4D5, B1A5, B1B5, B1D5, B2A5, B2B5, B2C5, B4A5, B4B5, D1A5, E4A5, E4B5, E4C5, F1A5, F1B5, G1A5, G2A5, H1A5, H1A5D, H1B5D, H2A5, H2A5D, H2B5D, J1A5D, J1B5D, J1C5D, J1D5D, J2A5D, J2B5D, J2C5D, J2D5D, J3A5, J3A5D, J3C5D, L3C5D; IO-540-C1B5, C1C5, C2C, C4B5, C4C5, C4D5D, D4A5, D4B5, D4C5, J4A5, N1A5, R1A5, T4A5D, T4B5, T4B5D, T4C5D, V4A5, V4A5D, W1A5, W1A5D, W3A5D, AB1A5; TIO-540-C1A, E1A, G1A, H1A, AA1AD, AB1AD, AB1BD, AF1A, AF1B, AG1A; and AEIO-540-D4A5, D4B5, D4C5, D4D5.

Part Name	Part Number	Approved Replacement For	Approval Basis and Approved Design Data	Installation Eligibility (Make)	Installation Eligibility (Model)
Hose, Intake Pipe	AELSTD1196	Lycoming STD-1196	Test and Computations per 14CFR §21.303, dwg. no. AELSTD1196, rev. IR, dated 1/8/99, or later FAA approved revisions.	Lycoming	O-235-C1, C1B, C1C, C2A, C2B, C2C, E1, E1B, E2A, E2B, F1, F1B, F2A, F2B, G1, G1B, G2A, G2B, H2C, J2A, J2B, K2A, K2B, K2C, L2A, M1, M2C, M3C, N2A, N2C, P1, P2A, P2C, P3C; O-290-D, D2, D2A, D2B, D2C; O-320-No Suffix, A1A, A1B, A2A, A2B, A2C, A2D, A3A, A3B, A3C, B1A, B1B, B2A, B2B, B2C, B3A, B3B, B3C, C1A, C1B, C2A, C2B, C2C, C3A, C3B, C3C, D2H, E2G; IO-320-E1A, E1B, E2A, E2B; AEIO-320-E1A, E1B, E2A, E2B; and O-340-A1A, A1B, A2A, B1A, B2A.
Push Rod	AEL73411 AEL73412 AEL73413 AEL73414 AEL73415 AEL73417 AEL73418 AEL73419 AEL73420 AEL73434 AEL73435 AEL73436 AEL73437 AEL73445 AEL73446 AEL73447 AEL73448 AEL73455 AEL73456 AEL73457	Lycoming 73411 73412 73413 73414 73415 73417 73418 73419 73420 73434 73435 73436 73437 73445 73446 73447 73448 73455 73456 73457	Test and Computations per 14CFR §21.303; dwg. no. AEL73400, rev. B, dated 8/17/99, or later FAA approved revisions.	Lycoming	O-290-D, D2, D2A, D2B, D2C; O-320-No Suffix, A1A, A1B, A2A, A2B, A2C, A2D, A3A, A3B, A3C, B1B, B2A, B2B, B2C, B3A, B3B, B3C, C1A, C1B, C2A, C2B, C2C, C3A, C3B, D1A, D1B, D1C, D1D, D1F, D2A, D2B, D2C, D2G, D2H, D2J, D3G, E1A, E1B, E1C, E1F, E1J, E2A, E2B, E2C, E2D, E2F, E2G, E3D, E3H; IO-320-A1A, A2A, B1A, B1B, B1C, B1D, B1E, B2A, C1A, C1B, D1A, D1B, D1C, E1A, E1B, E2A, E2B, F1A; AIO-320-A1A, A1B, A2A, A2B, B1B, C1B; LIO-320-B1A, C1A; AEIO-320-D1B, E1A, E1B, E2A, E2B; O-340-A1A, A1B, A2A, B1A, B2A; O-360-A1A, A1AD, A1C, A1D, A1F, A1F6, A1F6D, A1G, A1G6, A1G6D, A1H, A1H6, A1LD, A1P, S2S, A2D, A2E, A2G, S2H, A3A, A3AD, A4A, A4AD, A4D, A4G, A4J, A4K, A4M, A4N, A4P, A5AD, B1A, B1B, B2A, B2B, B2C, C1A, C1C, C1E, C1F, C1G, C2A, C2B, C2C, C2D, C2E, C4F, C4P, D1A,

Part Name	Part Number	Approved Replacement For	Approval Basis and Approved Design Data	Installation Eligibility (Make)	Installation Eligibility (Model)
Push Rod	(continued from above)	(continued from above)	Test and Computations per 14CFR §21.303, dwg. no. AEL73400, rev. B, dated 8/17/99, or later FAA approved revisions.	Lycoming	(continued from above)
	AEL73458	73457			D2A, D2B, F1A6, G1A6, J2A;
	AEL73462	73458			HO-360-A1A, B1A, B1B, C1A;
	AEL73463	73462			IO-360-A1A, A1B, A1B6, A1B6D, A1C, A1D, A1D6, A1D6D, A2A, A2B, A2C, A3B6, A3B6D, A3D6D, B1A, B1B, B1C, B1D, B1E, B1F, B1F6, B2E, B2F, BB2F6, B4A, C1A, C1B, C1C, C1C6, C1D6, C1E6, C1E6D, C1F, D1A, E1A, F1A, J1AD, J1A6D, K2A, L2A;
	AEL73464	73463			LO-360-A1G6D, A1H6;
	AEL73465	73464			TO-360-A1A6D, C1A6D, F1A6D;
	AEL73466	73465			VO-360-A1A, A1B, B1A;
	AEL73467	73466			AIO-360-A1A, A1B, A2A, A2B, B1B;
	AEL73468	73467			HIO-360-A1A, A1B, B1A, B1B, C1A, C1B, E1AD, E1BD;
		73468			IVO-360-A1A;
					LIO-360-C1E6;
					LTO-360-A1A6D;
					TIO-360-A1A, A1B, C1A6D;
					AEIO-360-A1A, A1B, A1B6, A1C, A1D, A1E, A1E6, A1A, A1B, A1C, B1B, B1D, B1F, B1F6, B1G6, B2F, B2F6, B4A, H1A, H1B;
					LHIO-360-C1A, C1B;
					O-435-A, A2;
					GO-435-C2, C2A, C2A2, C2B, C2B1, C2B2, C2B26, C2E;
					VO-435-A1A, A1B, A1C, A1D, A1E, A1F, B1A;
					TVO-435-A1A, B1A, B1B, C1A, D1A, D1B, E1A, F1A, G1A, G1B;
					GO-480-B, B1A6, B1B, B1C, B1D, C1B6, C1D6, C2C6, C2D6, C2E6, D1A, F6, F1A6, F2A6, F2D6, F3A6, F3B6, F4B6, G1A6, G1B6, G1D6, G1E6, G1H6, G1J6, G2D6, G2F6;
					IGO-480-A1A6, A1B6;
					GSO-480-A1A6, A1C6, A2A6, B1A6, B1B3, B1B6, B1C6, B1E6, B1F6, B1G6, B1J6, B2C6, B2D6, B2G6, B2H6;
					IGSO-480-A1A6, A1B6, A1C6, A1D6, A1E6, A1F3, A1F6, A1G6;
					O-540-A1A, A1A5, A1B5, A1C5, A1D, A1D5, A2B, A3D5, A4A5, A4B5, A4C5, A4D5, B1A5, B1B5, B1D5, B2A5, B2B5, B2C5, B4A5, B4B5, D1A5, E4A5, E4B5, E4C5, F1A5, F1B5, G1A5, G2A5, H1A5, H1A5D, H1B5D, H2A5, H2A5D, H2B5D, J1A5D, J1B5D, J1C5D, J1D5D, J2A5D, J2B5D, J2C5D, J2D5D, J3A5, J3A5D, J3C5D, L3C5D;
					IO-540-A1A5, B1A5, B1B5, B1C5, C1B5, C1C5, C2C, C4B5, C4C5, C4D5, C4D5D, D4A5, D4B5, D4C5, E1A5, E1B5, E1C5, G1A5, G1B5, G1C5, G1D5, GG1E5, G1F5, J4A5, K1A5, K1A5D, K1B5, K1B5D, K1C5, K1D5, K1E5, K1E5D, K1F5, K1F5D, K1G5, K1G5D,

Part Name	Part Number	Approved Replacement For	Approval Basis and Approved Design Data	Installation Eligibility (Make)	Installation Eligibility (Model)
Push Rod	AEL73411	Lycoming	Test and Computations per 14CFR §21.303, dwg. no. AEL73400, rev. B, dated 8/17/99, or later FAA approved revisions.	Lycoming (continued from above)	K1H5, K1J5, K1J5D, K1K5, K2K5, L1A5, L1A5D, L1B5D, L1C5, M1A5, M1A5D, M1B5D, M1C5, N1A5, P1A5, R1A5, S1A5, T4A5D, T4B5, T4B5D, T4C5D, U1A5D, U1B5D, V4A5, V4A5D, W1A5, W1A5D, W3A5D, AA1A5, AA1B5, AB1A5, AC1A5; HIO-540-A1A;
	AEL73412	73411			
	AEL73413	73412			
	AEL73414	73413			
	AEL73415	73414			
	AEL73417	73415			
	AEL73418	73417			
	AEL73419	73418			
	AEL73420	73419			
	AEL73434	73420			
	AEL73435	73434			
	AEL73436	73435			
	AEL73437	73436			
	AEL73445	73437			
	AEL73446	73445			
	AEL73447	73446			
	AEL73448	73447			
	AEL73455	73448			
	AEL73456	73455			
	AEL73457	73456			
	AEL73458	73457			
	AEL73462	73458			
	AEL73463	73462			
	AEL73464	73463			
AEL73465	73464				
AEL73466	73465				
AEL73467	73466				
AEL73468	73467				
	73468				
Push Rod, Heavy	AEL73545	Lycoming	Test and Computations per 14CFR §21.303, dwg. no. AEL73500, rev. IR, dated 9/5/00, or later FAA approved revisions.	Lycoming	HIO-360-D1A, F1AD; LHIO-360-F1AD; VO-540-A1A, A2A, B1A, B1B, B1B3, B1C, B1D, B1E, B1F, B1H3, B2A, B2C, B2D, B2E, B2G, C1A, C1B, C1C3, C2A, C2B, C2C; IGO-540-A1A, A1B, A1C, B1A, B1B, B1C; IVO-540-A1A; TIO-540-AE2A, AH1A; IGSO-540-A1A, A1C, A1D, A1E, A1F, A1H, B1A, B1C; and TIVO-540-A2A.
	AEL73546	73545			
	AEL73547	73546			
	AEL73548	73567			
	AEL73553	73548			
	AEL73554	73553			
	AEL73555	73554			
	AEL73556	73555			
	AEL73557	73556			
	AEL73558	73557			
		73558			
		15F21362-11			
		15F21362-12			
		15F21362-13			
		15F21362-14			
		15F21362-19			
		15F21362-20			
	15F21362-21				
	15F21362-22				
	15F21362-23				
	15F21362-24				

Part Name	Part Number	Approved Replacement For	Approval Basis and Approved Design Data	Installation Eligibility (Make)	Installation Eligibility (Model)
Push Rod, Heavy	AEL76180 AEL76181 AEL76182 AEL76183	Lycoming 76180 76181 76182 76183	Test and Computations per 14CFR §21.303, dwg. no. AEL76100, rev. IR, dated 9/5/00, or later FAA approved revisions.	Lycoming	TIO-541-A1A, E1A4, E1B4, E1C4, E1D4; and TIGO-541-D1A, D1B, E1A, G1AD.
Push Rod	AEL15315	Lycoming LW-15315	Test and Computations per 14CFR §21.303, dwg. no. AEL15315, rev. IR, dated 9/5/00, or later FAA approved revision.	Lycoming	O-320-H1AD, H1BD, H2AD, H2BD, H3AD, H3BD.
Push Rod	AEL15324	Lycoming LW-15324	Test and Computations per 14CFR §21.303, dwg. no. AEL15324, rev. IR, dated 9/5/00, or later FAA approved revisions.	Lycoming	O-360-E1A6D; LO-360-E1A6D; TO-360-E1A6D; and LTO-360-E1A6D.

Part Name	Part Number	Approved Replacement For	Approval Basis and Approved Design Data	Installation Eligibility (Make)	Installation Eligibility (Model)
Shroud, Pushrod	AEL11485	Lycoming LW-11485 75774 71083	Test and Computations per 14CFR §21.303, dwg. no. AEL11485, rev. A, dated 1/11/00, or later FAA approved revisions.	Lycoming	O-360-A1A, A1AD, A1C, A1D, A1F, A1F6, A1F6D, A1G, A1G6, A1G6D, A1H, A1H6, A1LD, A1P, A2A, A2D, A2E, A2F, A2G, A2H, A3A, A3AD, A3D, A4A, A4AD, A4D, A4G, A4J, A4K, A4M, A4N, A4P, A5AD, B1A, B1B, B2A, B2B, B2C, C1A, C1C, C1E, C1F, C1G, C2A, C2B, C2C, C2D, C2E, C4F, C4P, D1A, D2A, D2B, F1A6, G1A6, J2A; HO-360-A1A, B1A, B1B, C1A; IO-360-B1A, B1B, B1C, B1D, B1E, B1F, B1F6, B1G6, B2E, B2F, B2F6, B4A, E1A, F1A, L2A; LO-360-A1G6D, A1H6; VO-360-A1A, A1B, B1A; HIO-360-B1A, B1B; IVO-360-A1A; AEIO-360-B1B, B1D, B1F, B1F6, B1G6, B2F, B2F6, B4A, H1A, H1B; O-540-A1A, A1A5, A1B5, A1C5, A1D, A1D5, A2B, A3D5, A4A5, A4B5, A4C5, A4D5, B1A5, B1B5, B1D5, B2A5, B2B5, B2C5, B4A5, B4B5, D1A5, E4A5, E4B5, E4C5, F1A5, F1B5, G1A5, G2A5, H1A5, H1A5D, H1B5D, H2A5, H2A5D, H2B5D, J1A5D, J1B5D, J1C5D, J1D5D, J2A5D, J2B5D, J2C5D, J2D5D, J3A5, J3A5D, J3C5D, L3C5D; IO-540-C1B5, C1C5, C2C, C4B5, C4C5, C4D5, C4D5D, D4A5, D4B5, D4C5, J4A5, N1A5, R1A5, T4A5D, T4B5, T4B5D, T4C5D, V4A5, V4A5D, W1A5, W1A5D, W3A5D, AB1A5, AF1A; (continued from above) TIO-540-C1A, E1A, G1A, H1A, K1AD, AA1AD, AB1AD, AB1BD, AF1A, AF1B, AG1A; AEIO-540-D4A5, D4B5, D4C5, D4D5; and LTIO-540-K1AD.
Shroud, Pushrod	AEL68987	Lycoming 75772 68987	Test and Computations per 14CFR §21.303, dwg. no. AEL68987, rev. A, dated 1/11/00, or later FAA approved revisions.	Lycoming	O-320-No Suffix, A1A, A1B, A2A, A2B, A2C, A2D, A3A, A3B, A3C, B1A, B1B, B2A, B2B, B2C, B2D, B3A, B3B, B3C, C1A, C1B, C2A, C2B, C2C, C3A, C3B, C3C, D1A, D1B, D1C, D1D, D1F, D2A, D2B, D2C, D2F, D2G, D2H, D2J, D3G, E1A, E1B, E1C, E1F, E1J, E2A, E2B, E2C, E2D, E2F, E2G, E2H, E3D, E3H; IO-320-A1A, A2A, B1A, B1B, B1C, B1D, B1E, B2A, C1A, C1B, D1A, D1B, D1C, E1A, E1B, E2A, E2B, F1A; AIO-320-A1A, A1B, A2A, A2B, B1B, C1B; LIO-320-B1A, C1A; and AEIO-320-D1B, D2B, E1A, E1B, E2A, E2B.

Part Name	Part Number	Approved Replacement For	Approval Basis and Approved Design Data	Installation Eligibility (Make)	Installation Eligibility (Model)
Shroud, Pushrod	AEL72255	Lycoming 75773 74332 72255 71928	Test and Computations per 14CFR §21.303, dwg. no. AEL72255, rev. IR, dated 8/26/99, or later FAA approved revisions.	Lycoming	IO-360-A1A, A1B, A1B6, A1B6D, A1C, A1D, A1D6, A1D6D, A2A, A2B, A2C, A3B6, A3B6D, A3D6D, C1A, C1B, C1C, C1C6, C1D6, C1E6, C1E6D, C1F, D1A, J1AD, J1A6D, K2A; AIO-360-A1A, A1B, A2A, A2B, B1B; HIO-360-A1A, A1B, C1A, C1B, D1A, E1AD, E1BD, F1AD; LIO-360-C1E6; TIO-360-A1A, A1B, A3B6; AEIO-360-A1A, A1B, A1B6, A1C, A1D, A1E, A1E6, A2A, A2B, A2C; LHIO-360-C1A, C1B, F1AD; IO-540-A1A5, B1A5, B1B5, B1C5, E1A5, E1B5, E1C5, G1A5, G1B5, G1C5, G1D5, G1E5, G1F5, K1A5, K1A5D, K1B5, K1B5D, K1C5, K1D5, K1E5, K1E5D, K1F5, K1F5D, K1G5, K1G5D, K1H5, K1J5, K1J5D, K1K5, K2A5, L1A5, L1A5D, L1B5D, L1C5, M1A5, M1A5D, M1B5D, M1C5, M2A5D, P1A5, S1A5, AA1A5, AA1B5; IGO-540-A1A, A1B, A1C, B1A, B1B, B1C; TIO-540-A1A, A1B, A1C, A2A, A2B, A2C, F2BD, J2B, J2BD, N2BD, R2AD, S1AD, T2AD, U2A, AE2A, AH1A; AEIO-540-L1B5, L1B5D; IGSO-540-A1A, A1C, A1D, A1E, A1F, A1H, B1A, B1C; LTIO-540-F2BD, J2B, J2BD, N2BD, R2AD, U2A; and IO-720-A1A, A1B, A1BD, B1A, B1B, B1BD, C1B, C1BD, D1B, D1BD, D1C, D1CD.
Hose, Cylinder Oil Drain	AELSTD1821	Lycoming STD-1821	Test and Computations per 14CFR §21.303, dwg. no. AELSTD1821, rev. A, dated 1/8/99, or later FAA approved revisions.	Lycoming	O-360-A1A, A1AD, A1C, A1D, A1F, A1F6, A1F6D, A1G, A1G6, A1G6D, A1H, A1H6, A1LD, A1P, A2A, A2D, A2E, A2F, A2G, A2H, A3A, A3AD, A3D, A4A, A4AD, A4D, A4G, A4J, A4K, A4M, A4N, A4P, A5AD, B1A, B1B, B2A, B2B, B2C, C1A, C1C, C1E, C1F, C1G, C2A, C2B, C2C, C2D, C2E, C4F, C4P, D1A, D2A, D2B, F1A6, G1A6, J2A; HO-360-A1A, B1A, B1B, C1A; IO-360-B1A, B1B, B1C, B1D, B1E, B1F, B1F6, B1G6, B2E, B2F, B2F6, B4A, E1A, F1A, L2A; LO-360-A1G6D, A1H6; HIO-360-B1A, B1B; AEIO-360-B1B, B1D, B1F, B1F6, B1G6, B2F, B2F6, B4A; O-480-1, 1A, 3;

Part Name	Part Number	Approved Replacement For	Approval Basis and Approved Design Data	Installation Eligibility (Make)	Installation Eligibility (Model)
					GSO-480-A1A6, A1C6, A2A6, B1A6, B1B3, B1B6, B1C6, B1E6, B1F6, B1G6, B1J6, B2C6, B2D6, B2G6, B2H6; IGSO-480-A1A6, A1B6, A1C6, A1D6, A1E6, A1F3, A1F6, A1G6; O-540-A1A, A1A5, A1B5, A1C5, A1D, A1D5, A2B, A3D5, A4A5, A4B5, A4C5, A4D5, B1A5, B1B5, B1D5, B2A5, B2B5, B2C5, B4A5, B4B5, D1A5, E4A5, E4B5, E4C5, F1A5, F1B5, G1A5, G2A5, H1A5, H1A5D, H1B5D, H2A5, H2A5D, H2B5D, J1A5D, J1B5D, J1C5D, J1D5D, J2A5D, J2B5D, J2C5D, J2D5D, J3A5, J3A5D, J3C5D, L3C5D; IO-540-C1B5, C1C5, C2C, C4B5, C4C5, C4D5, C4D5D, D4A5, D4B5, D4C5, G1A5, J4A5, K1E5, N1A5, R1A5, T4A5D, T4B5, T4B5D, T4C5D, V4A5, V4A5D, W1A5, W1A5D, W3A5D, AB1A5; IGO-540-A1A, A1B, A1C, B1A, B1B, B1C; TIO-540-C1A, E1A, G1A, H1A, K1AD, AA1AD, AB1AD, AB1BD, AF1A, AF1B, AG1A; AEIO-540-D4A5, D4B5, D4C5, D4D5; IGSO-540-A1A, A1C, A1D, A1E, A1F, A1H, B1A, B1C; and LTIO-540-K1AD.
Hose, Cylinder Oil Drain	AELSTD2180	Lycoming STD-2180 STD-347	Test and Computations per 14CFR §21.303, dwg. no. AELSTD2180, rev. A, dated 1/8/99, or later FAA approved revisions.	Lycoming	O-235-C1, C1B, C1C, C2A, C2B, C2C, E1, E1B, E2A, E2B, F1, F1B, F2A, F2B, G1, G1B, G2A, G2B, H2C, J2A, J2B, K2A, K2B, K2C, L2A, L2C, M1, M2C, M3C, N2A, N2C, P1, P2A, P2C, P3C; O-290-D, D2, D2A, D2B, D2C; O-320-No Suffix, A1A, A1B, A2A, A2B, A2C, A2D, A3A, A3B, A3C, B1A, B1B, B2A, B2B, B2C, B2D, B3A, B3B, B3C, C1A, C1B, C2A,
Hose, Cylinder Oil Drain	AELSTD2180	Lycoming STD-2180 STD-347	Test and Computations per 14CFR §21.303, dwg. no. AELSTD2180, rev. A, dated 1/8/99, or later FAA approved revisions.	Lycoming (continued from above)	C2B, C2C, C3A, C3B, C3C, D1A, D1B, D1C, D1D, D1F, D2A, D2B, D2C, D2F, D2G, D2H, D2J, D3G, E1A, E1B, E1C, E1F, E1J, E2A, E2B, E2C, E2D, E2F, E2G, E2H, E3D, E3H; IO-320-A1A, A2A, B1A, B1B, B1C, B1D, B1E, B2A, C1A, C1B, D1A, D1B, D1C, E1A, E1B, E2A, E2B, F1A; AIO-320-A1A, A1B, A2A, A2B, B1B, C1B; LIO-320-B1A, C1A; AEIO-320-D1B, D2B, E1A, E1B, E2A, E2B; O-340-A1A, A1B, A2A, B1A, B2A; IO-360-A1A, A1B, A1B6, A1B6D, A1C, A1D, A1D6, A1D6D, A2A, A2B, A2C, A3B6, A3B6D, A3D6D, K2A;

Part Name	Part Number	Approved Replacement For	Approval Basis and Approved Design Data	Installation Eligibility (Make)	Installation Eligibility (Model)
					TO-360-A1A6D, C1A6D, F1A6D; AIO-360-A1A, A1B, A2A, A2B, B1B; HIO-360-A1A, A1B, D1A; LTO-360-A1A6D; TIO-360-C1A6D; AEIO-360-A1A, A1B, A1B6, A1C, A1D, A1E, A1E6, A2A, A2B, A2C; IO-540-A1A5, B1A5, B1B5, B1C5, E1A5, E1B5, E1C5, G1A5, G1B5, G1C5, G1D5, G1E5, G1F5, K1A5, K1A5D, K1B5, K1B5D, K1C5, K1D5, K1E5, K1E5D, K1F5, K1F5D, K1G5, K1G5D, K1H5, K1J5, K1J5D, K1K5, K2A5, L1A5, L1A5D, L1B5D, L1C5, M1A5, M1A5D, M1B5D, M1C5, M2A5D, P1A5, S1A5, AA1A5, AA1B5, AC1A5; HIO-540-A1A; TIO-540-A1A, A1B, A1C, A2A, A2B, A2C, F2BD, J2B, J2BD, N2BD, R2AD, S1AD, U2A, V2AD, W2A, AE2A, AH1A, AJ1A; AEIO-540-L1B5, L1B5D; LTIO-540-F2BD, J2B, J2BD, N2BD, R2AD, U2A, V2AD, W2A; and IO-720-A1A, A1B, A1BD, B1A, B1B, B1BD, C1B, C1BD, D1B, D1BD, D1C, D1CD.
Tube Assembly, Oil Drain	AEL68759	Lycoming 68759	Test and Computations per 14CFR §21.303, dwg. no. AEL68759, rev. IR, dated 7/28/00, or later FAA approved revisions.	Lycoming	O-320-No Suffix, A1A, A1B, A2A, A2B, A2C, A2D, A3A, A3B, A3C, B1A, B1B, B2A, B2B, B2C, B2D, B3A, B3B, B3C, C1A, C1B, C2A, C2B, C2C, C3A, C3B, C3C, D1A, D1B, D1C, D1D, D1F, D2A, D2B, D2C, D2F, D2G, D2H, D2J, D3G, E1A, E1B, E1C, E1F, E1J, E2A, E2B, E2C, E2D, E2F, E2G, E2H, E3D, E3H; IO-320-A1A, A2A, B1A, B1B, B1C, B1D, B1E, B2A, C1A, C1B, D1A, D1B, D1C, E1A, E1B, E2A, E2B, F1A; AIO-320-A1A, A1B, A2A, A2B, B1B, C1B; LIO-320-B1A, C1A; AEIO-320-D1B, D2B, E1A, E1B, E2A, E2B;
Tube Assembly, Oil Drain	AEL68759	Lycoming 68759	Test and Computations per 14CFR §21.303, dwg. no. AEL68759, rev. IR, dated 7/28/00, or later FAA approved revisions.	Lycoming	(continued from above) O-340-A1A, A1B, A2A, B1A, B2A; O-360-A1A, A1AD, A1C, A1D, A1F, A1F6, A1F6D, A1G, A1G6, A1G6D, A1H, A1H6, A1LD, A1P, A2A, A2D, A2E, A2F, A2G, A2H, A3A, A3AD, A3D, A4A, A4AD, A4D, A4G, A4J, A4K, A4M, A4N, A4P, A5AD, B1A, B1B, B2A, B2B, B2C, C1A, C1C, C1E, C1F, C1G, C2A, C2B, C2C, C2D, C2E, C4F, C4P, D1A, D2A, D2B, F1A6, G1A6, J2A; HO-360-A1A, B1A, B1B, C1A; IO-360-B1A, B1B, B1C, B1D, B1E, B1F, B1F6, B1G6, B2E, B2F, B2F6, B4A, E1A, F1A, L2A;

Part Name	Part Number	Approved Replacement For	Approval Basis and Approved Design Data	Installation Eligibility (Make)	Installation Eligibility (Model)
					LO-360-A1G6D, A1H6; HIO-360-B1A, B1B; O-540-A1A, A1A5, A1B5, A1C5, A1D, A1D5, A2B, A3D5, A4A5, A4B5, A4C5, A4D5, B1A5, B1B5, B1D5, B2A5, B2B5, B2C5, B4A5, B4B5, D1A5, E4A5, E4B5, E4C5, F1A5, F1B5, G1A5, G2A5, H1A5, H1A5D, H1B5D, H2A5, H2A5D, H2B5D, J1A5D, J1B5D, J1C5D, J1D5D, J2A5D, J2B5D, J2C5D, J2D5D, J3A5, J3A5D, J3C5D, L3C5D; IO-540-C1B5, C1C5, C2C, C4B5, C4C5, C4D5, C4D5D, D4A5, D4B5, D4C5, G1A5, J4A5, K1E5, K1E5D, N1A5, R1A5, T4A5D, T4B5, T4B5D, T4C5D, V4A5, V4A5D, W1A5, W1A5D, W3A5D, AB1A5; TIO-540-C1A, E1A, G1A, H1A, K1AD, AA1AD, AB1AD, AB1BD, AF1A, AF1B, AG1A; and AEIO-540-D4A5, D4B5, D4C5, D4D5.
Tube Assembly, Oil Drain	AEL68760	Lycoming 68760	Test and Computations per 14CFR §21.303, dwg. no. AEL68760, rev. IR, dated 7/31/00, or later FAA approved revisions.	Lycoming	O-320-No Suffix, A1A, A1B, A2A, A2B, A2C, A2D, A3A, A3B, A3C, B1A, B1B, B2A, B2B, B2C, B2D, B3A, B3B, B3C, C1A, C1B, C2A, C2B, C2C, C3A, C3B, C3C, D1A, D1B, D1C, D1D, D1F, D2A, D2B, D2C, D2F, D2G, D2H, D2J, D3G, E1A, E1B, E1C, E1F, E1J, E2A, E2B, E2C, E2D, E2F, E2G, E2H, E3D, E3H; IO-320-A1A, A2A, B1A, B1B, B1C, B1D, B1E, B2A, C1A, C1B, D1A, D1B, D1C, E1A, E1B, E2A, E2B, F1A; AIO-320-A1A, A1B, A2A, A2B, B1B, C1B; LIO-320-B1A, C1A; AEIO-320-D1B, D2B, E1A, E1B, E2A, E2B; O-340-A1A, A1B, A2A, B1A, B2A; O-360-A1A, A1AD, A1C, A1D, A1F, A1F6, A1F6D, A1G, A1G6, A1G6D, A1H, A1H6, A1LD, A1P, A2A, A2D, A2E, A2F, A2G, A2H, A3A, A3AD, A3D, A4A, A4AD, A4D,
Tube Assembly, Oil Drain	AEL68760	Lycoming 68760	Test and Computations per 14CFR §21.303, dwg. no. AEL68760, rev. IR, dated 7/31/00, or later FAA approved revisions.	Lycoming (continued from above)	A4G, A4J, A4K, A4M, A4N, A4P, A5AD, B1A, B1B, B2A, B2B, B2C, C1A, C1C, C1E, C1F, C1G, C2A, C2B, C2C, C2D, C2E, C4F, C4P, D1A, D2A, D2B, F1A6, G1A6, J2A; HO-360-A1A, B1A, B1B, C1A; IO-360-B1A, B1B, B1C, B1D, B1E, B1F, B1F6, B1G6, B2E, B2F, B2F6, B4A, E1A, F1A, L2A; LO-360-A1G6D, A1H6; and HIO-360-B1A, B1B.

Part Name	Part Number	Approved Replacement For	Approval Basis and Approved Design Data	Installation Eligibility (Make)	Installation Eligibility (Model)
Tube Assembly, Oil Drain	AEL68761	Lycoming 68761	Test and Computations per 14CFR §21.303, dwg. no. AEL68761, rev. IR, dated 7/28/00, or later FAA approved revisions.	Lycoming	O-320-No Suffix, A1A, A1B, A2A, A2B, A2C, A2D, A3A, A3B, A3C, B1A, B1B, B2A, B2B, B2C, B2D, B3A, B3B, B3C, C1A, C1B, C2A, C2B, C2C, C3A, C3B, C3C, D1A, D1B, D1C, D1D, D1F, D2A, D2B, D2C, D2F, D2G, D2H, D2J, D3G, E1A, E1B, E1C, E1F, E1J, E2A, E2B, E2C, E2D, E2F, E2G, E2H, E3D, E3H; IO-320-A1A, A2A, B1A, B1B, B1C, B1D, B1E, B2A, C1A, C1B, D1A, D1B, D1C, E1A, E1B, E2A, E2B, F1A; AIO-320-A1A, A1B, A2A, A2B, B1B, C1B; LIO-320-B1A, C1A; AEIO-320-D1B, D2B, E1A, E1B, E2A, E2B; O-340-A1A, A1B, A2A, B1A, B2A; O-360-A1A, A1AD, A1C, A1D, A1F, A1F6, A1F6D, A1G, A1G6, A1G6D, A1H, A1H6, A1LD, A1P, A2A, A2D, A2E, A2F, A2G, A2H, A3A, A3AD, A3D, A4A, A4AD, A4D, A4G, A4J, A4K, A4M, A4N, A4P, A5AD, B1A, B1B, B2A, B2B, B2C, C1A, C1C, C1E, C1F, C1G, C2A, C2B, C2C, C2D, C2E, C4F, C4P, D1A, D2A, D2B, F1A6, G1A6, J2A; HO-360-A1A, B1A, B1B, C1A; IO-360-B1A, B1B, B1C, B1D, B1E, B1F, B1F6, B1G6, B2E, B2F, B2F6, B4A, E1A, F1A, L2A; LO-360-A1G6D, A1H6; HIO-360-B1A, B1B; O-540-A1A, A1A5, A1B5, A1C5, A1D, A1D5, A2B, A3D5, A4A5, A4B5, A4C5, A4D5, B1A5, B1B5, B1D5, B2A5, B2B5, B2C5, B4A5, B4B5, D1A5, E4A5, E4B5, E4C5, F1A5, F1B5, G1A5, G2A5, H1A5, H1A5D, H1B5D, H2A5, H2A5D, H2B5D, J1A5D, J1B5D, J1C5D, J1D5D, J2A5D, J2B5D, J2C5D, J2D5D, J3A5, J3A5D, J3C5D, L3C5D; IO-540-C1B5, C1C5, C2C, C4B5, C4C5, C4D5, C4D5D, D4A5, D4B5, D4C5, G1A5, J4A5, K1E5, K1E5D, N1A5, R1A5, T4A5D, T4B5, T4B5D, T4C5D, V4A5, V4A5D, W1A5, W1A5D, W3A5D, AB1A5; (continued from above) TIO-540-C1A, E1A, G1A, H1A, K1AD, AA1AD, AB1AD, AB1BD, AF1A, AF1B, AG1A; and AEIO-540-D4A5, D4B5, D4C5, D4D5.

Part Name	Part Number	Approved Replacement For	Approval Basis and Approved Design Data	Installation Eligibility (Make)	Installation Eligibility (Model)
Shaftgear, Propeller Governor	AEL68317	Lycoming 68317	Test and Computations per 14CFR §21.303, dwg. no. AEL68317, rev. IR, dated 8/6/99, or later FAA approved revisions.	Lycoming	O-235-G1, G1B, G2A, G2B, M1, M2C, M3C, P1, P2A, P2C, P3C; O-320-No Suffix, A1A, A1B, A2A, A3A, A3B, A3C, B1A, B1B, B3A, B3B, B3C, C1A, C1B, C3A, C3B, C3C, D1A, D1B, D1C, D1D, E1A, E1B, E1C, E2C; IO-320-A1A, A1B, B1A, B1B, B1C, B1D, C1A, C1B, D1A, E1A, E1B, F1A; LIO-320-B1A, C1A; AEIO-320-E1A, E1B; O-340-A1A, A1B; O-360-A1A, A1C, A1D, A1F, A1F6, A1G, A1G6, A2A, B1A, B1B, C1A, C1C, C1E, C1F, D1A; IO-360-A1A, A1B, A1B6, A1C, A1D, A3B6, B1A, B1B, B1C, B1D, B1E, B1F, B1F6, C1A, C1B, C1C, C1C6, C1D6, C1F, D1A, E1A, F1A; and AEIO-360-A1A, A1B, A1B6, A1C, A1D, B1B, B1C, B1D, B1E, B1F, B1F6, B1G6, H1A.
Spacer, Tachometer Shaft	AEL76118	Lycoming 76118 68753	Test and Computations per 14CFR §21.303, dwg. no. AEL76118, rev. IR, dated 11/3/99, or later FAA approved revisions.	Lycoming	O-320-No Suffix, A1A, A1B, A2A, A2B, A2C, A2D, A3A, A3B, A3C, B1A, B1B, B2A, B2B, B2C, B3A, B3B, B3C, C1A, C1B, C2A, C2B, C2C, C3A, C3B, C3C, D1A, D1B, D1C, D1D, D1F, D2A, D2B, D2C, D2G, D2H, D2J, D3G, E1A, E1B, E1C, E1F, E1J, E2A, E2B, E2C, E2D, E2F, E2G, E3D, E3H; IO-320-A1A, A2A, B1A, B1B, B1C, B1D, B1E, B2A, C1A, C1B, D1A, D1B, D1C, E1A, E1B, E2A, E2B, F1A; AIO-320-A1A, A1B, A2A, A2B, B1B, C1B; LIO-320-B1A, C1A; AEIO-320-D1B, D1B, E1A, E1B, E2A, E2B; O-340-A1A, A1B, A2A, B1A, B2A; O-360-A1A, A1AD, A1C, A1D, A1F, A1F6, A1F6D, A1G, A1G6, A1G6D, A1H, A1H6, A1LD, A1P, A2A, A2D, A2E, A2F, A2G, A2H, A3A, A3AD, A4A, A4AD, A4D, A4G, A4J, A4K, A4M, A4N, A4P, A5AD, B1A, B1B, B2A, B2B, B2C, C1A, C1C, C1E, C1F, C1G, C2A, C2B, C2C, C2D, C2E, C4F, C4P, D1A, D2A, D2B, F1A6, G1A6, J2A; HO-360-A1A, B1A, B1B, C1A; IO-360-A1A, A1B, A1B6, A1B6D, A1C, A1D, A1D6, A1D6D, A2A, A2B, A2C, A3B6,

Part Name	Part Number	Approved Replacement For	Approval Basis and Approved Design Data	Installation Eligibility (Make)	Installation Eligibility (Model)
Spacer, Tachometer Shaft	AEL76118	Lycoming 76118 68753	Test and Computations per 14CFR §21.303, dwg. no. AEL76118, rev. IR, dated 11/3/99, or later FAA approved revisions.	Lycoming (continued from above)	A3B6D, A3D6D, B1A, B1B, B1C, B1D, B1E, B1F, B1F6, B1G6, B2E, B2F, B2F6, B4A, C1A, C1B, C1C, C1C6, C1D6, C1E6, C1E6D, C1F, D1A, E1A, F1A, J1AD, J1A6D, K2A, L2A; LO-360-A1G6D, A1H6; TO-360-A1A6D, C1A6D, F1A6D; AIO-360-A1A, A1B, A2A, A2B, B1B; HIO-360-A1A, A1B, B1A, B1B, C1A, C1B, D1A, E1AD, E1BD, F1AD; LIO-360-C1E6; LTO-360-A1A6D; TIO-360-A1A, A1B, C1A6D; AEIO-360-A1A, A1B, A1B6, A1C, A1D, A1E, A1E6, A1A, A1B, A1C, B1B, B1D, B1F, B1F6, B1G6, B2F, B2F6, B4A, H1A, H1B; LHIO-360-C1A, C1B, F1AD; O-540-A1A, A1A5, A1B5, A1C5, A1D, A1D5, A2B, A3D5, A4A5, A4B5, A4C5, A4D5, B1A5, B1B5, B1D5, B2A5, B2B5, B2C5, B4A5, B4B5, D1A5, E4A5, E4B5, E4C5, F1A5, F1B5, G1A5, G2A5, H1A5, H1A5D, H1B5D, H2A5, H2A5D, H2B5D, J1A5D, J1B5D, J1C5D, J1D5D, J2A5D, J2B5D, J2C5D, J2D5D, J3A5, J3A5D, J3C5D, L3C5D; IO-540-A1A5, B1A5, B1B5, B1C5, C1B5, C1C5, C2C, C4B5, C4C5, C4D5, C4D5D, D4A5, D4B5, D4C5, E1A5, E1B5, E1C5, G1A5, G1B5, G1C5, G1D5, G1E5, G1F5, J4A5, K1A5, K1A5D, K1B5, K1B5D, K1C5, K1D5, K1E5, K1E5D, K1F5, K1F5D, K1G5, K1G5D, K1H5, K1J5, K1J5D, K1K5, K2K5, L1A5, L1A5D, L1B5D, L1C5, M1A5, ,1A5D, M1B5D, M1C5, N1A5, P1A5, R1A5, S1A5, T4A5D, T4B5, T4B5D, T4C5D, U1A5D, U1B5D, V4A5, V4A5D, W1A5, W1A5D, W3A5D, AA1A5, AA1B5, AB1A5, AC1A5; HIO-540-A1A; TIO-540-A1A, A1B, A1C, A2A, A2B, A2C, C1A, E1A, F2BD, G1A, H1A, J2B, J2BD, K1AD, N2BD, R2AD, S1AD, T2AD, U2A, V2AD, W2A, AA1AD, AB1AD, AE2A, AF1A, AF1B, AG1A, AH1A, AJ1A; AEIO-540-D4A5, D4B5, D4C5, C4D5, L1B5, L1B5D LTIO-540-F2BD, J2B, J2BD, K1AD, N2BD, R2AD, U2A, V2AD, W2A; and IO-720-A1A, A1B, A1BD, B1A, B1B, B1BD, C1B, C1BD, D1B, D1BD, D1C, D1CD.

Part Name	Part Number	Approved Replacement For	Approval Basis and Approved Design Data	Installation Eligibility (Make)	Installation Eligibility (Model)
Lockplate, Crankshaft Gear	AEL10332	Lycoming LW-10332	Test and Computations per 14CFR § 21.303, dwg. no. AEL10332, rev. A, dated 12/20/99, or later FAA approved revisions.	Lycoming	O-320-H1AD, H1BD, H2AD, H2BD, H3AD, H3BD; O-360-A1AD, A1F6D, A1G6D, A1LD, A3AD, A4AD, A5AD, E1A6D; IO-360-A1B6D, A1D6D, A3B6D, A3D6D, C1E6D, J1AD, J1A6D; LO-360-A1G6D, E1A6D; TO-360-A1A6D, C1A6D, E1A6D, F1A6D; HIO-360-E1AD, E1BD, F1AD; LTO-360-A1A6D, E1A6D; TIO-360-C1A6D; LHIO-360-F1AD; O-540-H1A5D, H1B5D, H2A5D, H2B5D, J1A5D, J1B5D, J1C5D, J1D5D, J2A5D, J2B5D, J2C5D, J2D5D, J3A5D, J3C5D, L3C5D; IO-540-C4D5D, K1A5D, K1B5D, K1E5D, K1F5D, K1G5D, K1J5D, L1A5D, L1B5D, M1A5D, M1B5D, M2A5D, T4A5D, T4B5D, T4C5D, U1A5D, U1B5D, V4A5, W1A5D, W3A5D; TIO-540-F2BD, J2BD, K1AD, N2BD, R2AD, S1AD, T2AD, V2AD, AA1AD, AB1AD, AB1BD; AEIO-540-L1B5D; LTIO-540-F2BD, J2BD, K1AD, N2BD, R2AD, V2AD; TIGO-541-G1AD; and IO-720-A1BD, B1BD, C1BD, D1BD, D1CD.
Lockplate, Crankshaft Gear	AEL18639	Lycoming LW-18639 61156	Test and Computations per 14CFR §21.303, dwg. no. AEL18639, rev. IR, dated 12/20/99, or later	Lycoming	O-235-C1, C1B, C1C, C2A, C2B, C2C, E1, E1B, E2A, E2B, F1, F1B, F2A, F2B, G1, G1B, G2A, G2B, H2C, J2A, J2B, K2A, K2B, K2C, L2A, L2C, M1, M2C, M3C, N2A, N2C, P1, P2A, P2C, P3C; O-290-D, D2, D2A, D2B, D2C; O-320-No Suffix, A1A, A1B, A2A, A2B, A2C, A2D, A3A, A3B, A3C, B1A, B1B, B2A, B2B, B2C, B3A, B3B, B3C, C1A, C1B, C2A, C2B, C2C, C3A, C3B, C3C, D1A, D1B, D1C, D1D, D1F, D2A, D2B, D2C, D2G, D2H, D2J, D3G, E1A, E1B, E1C, E1F, E1J, E2A, E2B, E2C, E2D, E2F, E2G, E3D, E3H; IO-320-A1A, A2A, B1A, B1B, B1C, B1D, B1E, B2A, C1A, C1B, D1A, D1B, D1C, E1A, E1B, E2A, E2B, F1A; AIO-320-A1A, A1B, A2A, A2B, B1B, C1B; LIO-320-B1A, C1A; AEIO-320-D1B, D1B, E1A, E1B, E2A, E2B; O-340-A1A, A1B, A2A, B1A, B2A;

Part Name	Part Number	Approved Replacement For	Approval Basis and Approved Design Data	Installation Eligibility (Make)	Installation Eligibility (Model)
Lockplate, Crankshaft Gear	AEL18639	Lycoming LW-18639 61156	Test and Computations per 14CFR §21.303. Dwg: AEL18639, rev. IR, dated 12/20/99, or later FAA approved revision	Lycoming	(continued from above) O-360-A1A, A1C, A1D, A1F, A1F6, A1G, A1G6, A1H, A1H6, A1P, A2A, A2D, A2E, A2F, A2G, A2H, A3A, A4A, A4D, A4G, A4J, A4K, A4M, A4N, A4P, B1A, B1B, B2A, B2B, B2C, C1A, C1C, C1E, C1F, C1G, C2A, C2B, C2C, C2D, C2E, C4F, C4P, D1A, D2A, D2B, F1A6, G1A6, J2A; HO-360-A1A, B1A, B1B, C1A; IO-360-A1A, A1B, A1B6, A1C, A1D, A1D6, A2A, A2B, A2C, A3B6, B1A, B1B, B1C, B1D, B1E, B1F, B1F6, B1G6, B2E, B2F, B2F6, B4A, C1A, C1B, C1C, C1C6, C1D6, C1E6, C1F, D1A, E1A, F1A, J1AD, K2A, L2A; LO-360-A1H6; VO-360-A1A, A1B, B1A; AIO-360-A1A, A1B, A2A, A2B, B1B; HIO-360-A1A, A1B, B1A, B1B, C1A, C1B, D1A; IVO-360-A1A; LIO-360-C1E6; TIO-360-A1A, A1B; AEIO-360-A1A, A1B, A1B6, A1C, A1D, A1E, A1E6, A1A, A1B, A1C, B1B, B1D, B1F, B1F6, B1G6, B2F, B2F6, B4A, H1A, H1B; and LHIO-360-C1A, C1B.
Dowel, 1/2 Dia. x 39/64 Long	AELSTD557	Lycoming STD-557	Test and Computations per 14CFR §21.303, dwg. no. AELSTD557, rev. A, dated 3/30/00, or later FAA approved revisions.	Lycoming	O-235-C1, C1B, C1C, C2A, C2B, C2C, E1, E1B, E2A, E2B, F1, F1B, F2A, F2B, G1, G1B, G2A, G2B, H2C, J2A, J2B, K2A, K2B, K2C, L2A, L2C, M1, M2C, M3C, N2A, N2C, P1, P2A, P2C, P3C; O-290-D, D2, D2A, D2B, D2C; O-320-No Suffix, A1A, A1B, A2A, A2B, A2C, A2D, A3A, A3B, A3C, B1A, B1B, B2A, B2B, B2C, B3A, B3B, B3C, C1A, C1B, C2A, C2B, C2C, C3A, C3B, C3C, D1A, D1B, D1C, D1D, D1F, D2A, D2B, D2C, D2G, D2H, D2J, D3G, E1A, E1B, E1C, E1F, E1J, E2A, E2B, E2C, E2D, E2F, E2G, E3D, E3H, H1AD, H1BD, H2AD, H2BD, H3AD, H3BD; IO-320-A1A, A2A, B1A, B1B, B1C, B1D, B1E, B2A, C1A, C1B, D1A, D1B, D1C, E1A, E1B, E2A, E2B, F1A; AIO-320-A1A, A1B, A2A, A2B, B1B, C1B; LIO-320-B1A, C1A; AEIO-320-D1B, D1B, E1A, E1B, E2A, E2B; O-340-A1A, A1B, A2A, B1A, B2A;

Part Name	Part Number	Approved Replacement For	Approval Basis and Approved Design Data	Installation Eligibility (Make)	Installation Eligibility (Model)
Dowel, 1/2 Dia. x 39/64 Long	AELSTD557	Lycoming STD-557	Test and Computations per 14CFR §21.303, dwg. no. AELSTD557, rev. A, dated 3/30/00, or later FAA approved revisions.	Lycoming	(continued from above) O-360-A1A, A1AD, A1C, A1D, A1F, A1F6, A1F6D, A1G, A1G6, A1G6D, A1H, A1H6, A1LD, A1P, A2A, A2D, A2E, A2F, A2G, A2H, A3A, A3AD, A4A, A4AD, A4D, A4G, A4J, A4K, A4M, A4N, A4P, A5AD, B1A, B1B, B2A, B2B, B2C, C1A, C1C, C1E, C1F, C1G, C2A, C2B, C2C, C2D, C2E, C4F, C4P, D1A, D2A, D2B, E1A6D, F1A6, G1A6, J2A; HO-360-A1A, B1A, B1B, C1A; IO-360-A1A, A1B, A1B6, A1B6D, A1C, A1D, A1D6, A1D6D, A2A, A2B, A2C, A3B6, A3B6D, A3D6D, B1A, B1B, B1C, B1D, B1E, B1F, B1F6, B1G6, B2E, B2F, B2F6, B4A, C1A, C1B, C1C, C1C6, C1D6, C1E6, C1E6D, C1F, D1A, E1A, F1A, J1AD, J1A6D, K2A, L2A; LO-360-A1G6D, A1H6, E1A6D; TO-360-A1A6D, C1A6D, E1A6D, F1A6D; VO-360-A1A, A1B, B1A; AIO-360-A1A, A1B, A2A, A2B, B1B; HIO-360-A1A, A1B, B1A, B1B, C1A, C1B, D1A, E1AD, E1BD, F1AD; IVO-360-A1A; LIO-360-C1E6; LTO-360-A1A6D, E1A6D; TIO-360-A1A, A1B, C1A6D; AEIO-360-A1A, A1B, A1B6, A1C, A1D, A1E, A1E6, A1A, A1B, A1C, B1B, B1D, B1F, B1F6, B1G6, B2F, B2F6, B4A, H1A, H1B; LHIO-360-C1A, C1B, F1AD; O-435-A, A2; GO-435- C2, C2A, C2A2, C2B, C2B1, C2B2, C2B26, C2E; VO-435-A1A, A1B, A1C, A1D, A1E, A1F, B1A; TVO-435-A1A, B1A, B1B, C1A, D1A, D1B, E1A, F1A, G1A, G1B; GO-480-B, B1A6, B1B, B1C, B1D, C1B6, C1D6, C2C6, C2D6, C2E6, D1A, F6, F1A6, F2A6, F2D6, F3A6, F3B6, F4B6, G1A6, G1B6, G1D6, G1E6, G1H6, G1J6, G2D6, G2F6; IGO-480-A1A6, A1B6; GSO-480-A1A6, A1C6, A2A6, B1A6, B1B3, B1B6, B1C6, B1E6, B1F6, B1G6, B1J6, B2C6, B2D6, B2G6, B2H6; IGSO-480-A1A6, A1B6, A1C6, A1D6, A1E6, A1F3, A1F6, A1G6; O-540-A1A, A1A5, A1B5, A1C5, A1D, A1D5, A2B, A3D5, A4A5, A4B5, A4C5, A4D5, B1A5, B1B5, B1D5, B2A5, B2B5, B2C5, B4A5, B4B5, D1A5, E4A5, E4B5, E4C5, F1A5, F1B5, G1A5, G2A5, H1A5, H1A5D, H1B5D, H2A5, H2A5D, H2B5D, J1A5D, J1B5D, J1C5D, J1D5D, J2A5D, J2B5D, J2C5D, J2D5D, J3A5, J3A5D, J3C5D, L3C5D

Part Name	Part Number	Approved Replacement For	Approval Basis and Approved Design Data	Installation Eligibility (Make)	Installation Eligibility (Model)
Dowel, 1/2 Dia. × 39/64 Long	AELSTD557	Lycoming STD-557	Test and Computations per 14CFR §21.303, dwg. no. AELSTD557, rev. A, dated 3/30/00, or later FAA approved revisions.	Lycoming	(continued from above) J2C5D, J2D5D, J3A5, J3A5D, J3C5D, L3C5D; IO-540-A1A5, B1A5, B1B5, B1C5, C1B5, C1C5, C2C, C4B5, C4C5, C4D5, C4D5D, D4A5, D4B5, D4C5, E1A5, E1B5, E1C5, G1A5, G1B5, G1C5, G1D5, G1E5, G1F5, J4A5, K1A5, K1A5D, K1B5, K1B5D, K1C5, K1D5, K1E5, K1E5D, K1F5, K1F5D, K1G5, K1G5D, K1H5, K1J5, K1J5D, K1K5, K2K5, L1A5, L1A5D, L1B5D, L1C5, M1A5, M1A5D, M1B5D, M1C5, N1A5, P1A5, R1A5, S1A5, T4A5D, T4B5, T4B5D, T4C5D, U1A5D, U1B5D, V4A5, V4A5D, W1A5, W1A5D, W3A5D, AA1A5, AA1B5, AB1A5, AC1A5; VO-540-A1A, A2A, B1A, B1B, B1B3, B1C, B1D, B1E, B1F, B1H3, B2A, B2C, B2D, B2E, B2G, C1A, C1B, C1C3, C2A, C2B, C2C; HIO-540-A1A; IGO-540-A1A, A1B, A1C, B1A, B1B, B1C; IVO-540-A1A; TIO-540-A1A, A1B, A1C, A2A, A2B, A2C, C1A, E1A, F2BD, G1A, H1A, J2B, J2BD, K1AD, N2BD, R2AD, S1AD, T2AD, U2A, V2AD, W2A, AA1AD, AB1AD, AE2A, AF1A, AF1B, AG1A, AH1A, AJ1A; AEIO-540-D4A5, D4B5, D4C5, C4D5, L1B5, L1B5D; IGSO-540-A1A, A1C, A1D, A1E, A1F, A1H, B1A, B1C; LTIO-540-F2BD, J2B, J2BD, K1AD, N2BD, R2AD, U2A, V2AD, W2A; TIVO-540-A2A; TIO-541-A1A, E1A4, E1B4, E1C4, E1D4; TIGO-541-D1A, D1B, E1A, G1AD; and IO-720-A1A, A1B, A1BD, B1A, B1B, B1BD, C1B, C1BD, D1B, D1BD, D1C, D1CD.
Dowel, 5/16 Dia. × 1/2 Long	AELSTD514	Lycoming STD-514	Test and Computations per 14CFR §21.303, dwg. no. AELSTD514, rev. C, dated 5/19/00, or later FAA approved revisions.	Lycoming	Installation eligibility is same as AELSTD557.

Part Name	Part Number	Approved Replacement For	Approval Basis and Approved Design Data	Installation Eligibility (Make)	Installation Eligibility (Model)
Stud, 3/8 Dia.	AEL38-17 AEL38-22	Lycoming 38-17 38-22	Test and Computations per 14CFR §21.303, dwg. no. AEL3800, rev. C, dated 1/14/99, or later FAA approved revisions.	Lycoming	Installation eligibility is same as AELSTD557.
Stud, 1/4 × 1-3/16 Long	AEL61400	Lycoming 61400	Test and Computations per 14CFR §21.303, dwg. no. AEL61400, rev. IR, dated 10/22/99, or later FAA approved revisions.	Lycoming	Installation eligibility is same as AELSTD557.
Plug, 1/2-14NPT, Sq. Hd., Drilled	AELSTD551	Lycoming STD-551	Test and Computations per 14CFR §21.303, dwg. no. AELSTD551, rev. IR, dated 8-28-00, or later FAA approved revisions.	Lycoming	Installation eligibility is same as AELSTD557.
Adapter, Straight, 3/8 ID Hose	AELSTD684	Lycoming STD-684	Test and Computations per 14CFR §21.303, dwg. no. AELSTD684, rev. IR, dated 7/31/00, or later FAA approved revisions.	Lycoming	Installation eligibility is same as AELSTD557.
Stud, 1/4-20UNC	AEL25C8 AEL25C9 AEL25C10 AEL25C11 AEL25C12 AEL25C13 AEL25C14 AEL25CD14 AEL25C15 AEL25C16 AEL25C17 AEL25C18 AEL25C19 AEL25C20 AEL25C21 AEL25C22 AEL25C24 AEL25C31 AEL25C39	Lycoming 25C-8 25C-9 25C-10 25C-11 25C-12 25C-13 25C-14 25CD-14 25C-15 25C-16 25C-17 25C-18 25C-19 25C-20 25C-21 25C-22 25C-24 25C-31 25C-39	Test and Computations per 14CFR §21.303, dwg. no. AEL25C00, rev. B, dated 11/20/99, or later FAA approved revisions.	Lycoming	Installation eligibility is same as AELSTD557.

Part Name	Part Number	Approved Replacement For	Approval Basis and Approved Design Data	Installation Eligibility (Make)	Installation Eligibility (Model)
Stud, 5/16-18UNC	AEL31C9	Lycoming	Test and Computations per 14CFR §21.303, dwg. no. AEL31C00, rev. A, dated 11/19/99, or later FAA approved revisions.	Lycoming	Installation eligibility is same as AELSTD557.
	AEL31C10	31C-9			
	AEL31CD12	31C-10			
	AEL31C13	31CD-12			
	AEL31C14	31C-13			
	AEL31C15	31C-14			
	AEL31C16	31C-15			
	AEL31C17	31C-16			
	AEL31CD17	31C-17			
	AEL31C18	31CD-17			
	AEL31C19	31C-18			
AEL31C20	31C-19				
		31C-20			
Bushing, Connecting Rod	AEL13923	Lycoming LW-13923 65819	Test and Computations per 14CFR §21.303, dwg. no. AEL13923, rev. B, dated 11/10/99, or later FAA approved revisions.	Lycoming	Installation eligibility is same as AELSTD557.
Clamp, Hose	AEL15592-5	Lycoming	Test and Computations per 14CFR §21.303, dwg. no. AEL15592, rev. IR, dated 8/28/00, or later FAA approved revisions.	Lycoming	Installation eligibility is same as AELSTD557.
	AEL15592-8	LW-15592-5-05			
		STD-1252			
		STD-1924			
		STD-2117			
		STD-2174			
		LW-15592-8-28			
		STD-1269			
		STD-1434			
		STD-1530			
		STD-1831			
	72417				
Nut, 3/8" Deck Stud	AEL383-B	Lycoming 383-B	Test and Computations per 14CFR §21.303; dwg. no. AEL383-B, rev. A, dated 4/3/00, or later FAA approved revisions.	Lycoming	Installation eligibility is same as AELSTD557.
Nut, 1/2" Deck Stud	AELSTD2090	Lycoming STD-2090	Test and Computations per 14CFR §21.303, dwg. no. AELSTD2090, rev. A, dated 4/3/00, or later FAA approved revisions.	Lycoming	Installation eligibility is same as AELSTD557.

Part Name	Part Number	Approved Replacement For	Approval Basis and Approved Design Data	Installation Eligibility (Make)	Installation Eligibility (Model)
Insert, Valve Seat, Exhaust	AEL16699	Lycoming LW-16699	Test and Computations per 14CFR §21.303, dwg. no. AEL16699, rev. IR, dated 11/11/98, or later FAA approved revisions.	Lycoming	O-235-C1, C1B, C1C, C2A, C2B, C2C, E1, E1B, E2A, E2B, F1, F1B, F2A, F2B, G1, G1B, G2A, G2B, H2C, J2A, J2B, K2A, K2B, K2C, L2A, L2C, M1, M2C, M3C, N2A, N2C, P1, P2A, P2C, P3C.
Gear, Magneto	AEL61163	Lycoming 73683 72495 61163 68C19622	Test and Computations per 14CFR §21.303, dwg. no. AEL61163, rev. IR, dated 1/25/01, or later FAA approved revisions	Lycoming	O-235-C1, C1B, C1C, C2A, C2B, C2C, E1, E1B, E2A, E2B, F1, F1B, F2A, F2B, G1, G1B, G2A, G2B, H2C, J2A, J2B, K2A, K2B, K2C, L2A, L2C, M1, M2C, M3C, N2A, P1, P2A, P2C, P3C; O-290-D, D2, D2A, D2B, D2C; O-320-No Number, A1A, A1B, A2A, A2B, A2C, A2D, A3A, A3B, A3C, B1A, B1B, B2A, B2B, B2C, B2D, B3A, B3B, B3C, C1A, C1B, C2A, C2B, C2C, C3A, C3B, C3C, D1A, D1B, D1C, D1D, D1F, D2A, D2B, D2C, D2F, D2G, D2H, D3G, E1A, E1B, E1C, E1F, E1J, E2A, E2B, E2C, E2D, E2F, E2G, E2H, E3D, E3H; IO-320-A1A, A2A, B1A, B1B, B1C, B1D, B1E, B2A, D1A, D1B, D1C, E1A, E1B, E2A, E2B; AIO-320-A1A, A1B, A2A, A2B, B1B, C1B; AEIO-320-D1B, D2B, E1A, E1B, E2A, E2B; O-340-A1A, A1B, A2A, B1A, B2A; O-360-A1A, A1C, A1D, A1F, A1F6, A1G, A1G6, A1H, A1H6, A1P, A2A, A2D, A2E, A2F, A2G, A2H, A3A, A3D, A4A, A4D, A4G, A4J, A4K, A4M, A4P, B1A, B1B, B2A, B2B, B2C, C1A, C1C, C1E, C1G, C2A, C2B, C2C, C2D, C2E, C4F, C4P, D1A, D2A, D2B, J2A; HO-360-A1A, B1A, B1B, C1A; IO-360-A1A, A1B, A1B6, A1C, A1D, A1D6, A2A, A2B, A2C, A3B6, B1A, B1B, B1C, B1D, B1E, B1G6, B2E, B4A, C1A, C1B, C1C, C1C6, C1D6, C1E6, C1F, D1A, E1A, K2A; LO-360-A1H6; VO-360-A1B, B1A; AIO-360-A1A, A1B, A2A, B1B; HIO-360-A1A, A1B, B1A, B1B, C1A, C1B, D1A; IVO-360-A1A; LIO-360-C1E6; TIO-360-A1A, A1B; AEIO-360-A1A, A1B, A1B6, A1C, A1D, A1E, A1E6, A2A, A2B, A2C, B1B, B1D, B1G6, B4A, H1A, H1B; and LHIO-360-C1A, C1B.

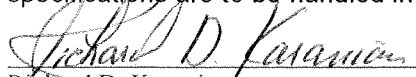
Part Name	Part Number	Approved Replacement For	Approval Basis and Approved Design Data	Installation Eligibility (Make)	Installation Eligibility (Model)
Key, Valve	AEL60009	Lycoming 60009	Test and Computations per 14CFR §21.303, dwg. no. AEL60009, rev A, dated 1/19/99, or later FAA approved revisions	Lycoming	O-235-C1, C1B, C1C, C2A, C2C, F2A, F2B, H2C, J2A, K2A, K2B, K2C, L2A, L2C, M1, N2A, N2C, P2A; O-290-D, D2, D2B, D2C; O-320-A2A, A2B, A2C, A2D, A3A, A3B, A3C, B2A, B2B, B2C, B3A, B3B, B3C, D1A, D1D, D1F, D2A, D2B, D2C, D2G, D2J, D3G, E1A, E1F, E2A, E2B, E2C, E2D, E2F, E2G, E2H, E3D, E3H, H2AD; IO-320-B1A, B1C, C1A, D1A, D1B, E1A, E1B, E2A, E2B; AIO-320-B1B, C1B; LIO-320-B1A, C1A; AEIO-320-E1B, E2B; O-340-A, B; O-360-A1A, A1AD, A1C, A1D, A1F6, A1F6D, A1G6, A1G6D, A1H6, A1LD, A1P, A2A, A2D, A2E, A2F, A2G, A3A, A3AD, A4A, A4G, A4J, A4K, A4M, A4N, A4P, A5AD, B2A, B2C, C1A, C1C, C1E, C1F, C1G, C2A, C2C, C2D, C2E, C4F, C4P, D2A, D2B, E1A6D, F1A6, J2A; IO-360-B1A, B1B, B1D, B1E, B1F, B1G6, B2F, B2F6, B4A, L2A; HO-360-B1A, B1B, C1A; LO-360-A1H6, E1A6D; TO-360-E1A6D; VO-360-A1A, A1B, B1A; IVO-360-A1A; HIO-360-A1A, B1A, C1A, C1B, D1A; LTO-360-E1A6D; AEIO-360-B1G6, H1A; VO-435-A1B, A1C, A1D, A1E, A1F; TVO-435-A1A, B1A; O-540-A1A, A1A5, A1B5, A1C5, A1D, A1D5, A2B, A3D5, B1A5, B1B5, B2B5, B2C5, B4B5, E4A5, E4B5, E4C5, F1B5, G1A5, G2A5, H1B5D, H2B5D, J1A5D, J3A5 B4B5, E4A5, E4B5, E4C5, F1B5, G1A5, G2A5, H1B5D, H2B5D, J1A5D, J3A5, J3A5D, J3C5D, L3C5D; IO-540-AB1A5, C1B5, C4B5, C4C5, C4D5D, D4A5, J4A5, N1A5, R1A5, T4A5D, T4B5, T4B5D, T4C5D, V4A5D, W1A5, W1A5D, W3A5D; TIO-540-AF1A, AG1A, AA1AD, AB1AD, C1A, E1A, G1A, H1A; AEIO-540-D4A5, D4B5; and TIGO-540-E1A.

Part Name	Part Number	Approved Replacement For	Approval Basis and Approved Design Data	Installation Eligibility (Make)	Installation Eligibility (Model)
Adapter Assembly, Vacuum Pump	AEL61098	Lycoming P/N 61098	Test and Computations per 14CFR §21.303, dwg. no. AEL61098, rev A, dated 2/15/01, or later FAA approved revisions		<p>O-235-C1, C1B, C2A, C2C, F2A, F2B, J2A, K2A, K2B, L2A, L2C, M1, N2A, N2C, P2A</p> <p>O-290-D, D2, D2B, D2C</p> <p>O-320-A2A, A2B, A2C, A3A, A3B, A3C, B2A, B2B, B2C, B3A, B3B, B3C, D1A, D1D, D1F, D2A, D2B, D2C, D2G, D2J, D3G, E2C, E2D, E1F, E2F, E2G, E2H, E3D, E3H</p> <p>IO-320-B1A, B1C, C1A, D1A, D1B, E2A</p> <p>LIO-320-B1A, C1A</p> <p>AIO-320-B1B, C1B</p> <p>O-340-A</p> <p>O-360-A1A, A1C, A1D, A1F6, A1G6, A1H6, A1P, A2A, A2D, A2E, A2F, A3A, A4A, A4K, A4M, A4N, A4P, B2A, B2C, C1A, C1C, C1F, C1G, C2A, C2C, C4F, C4P, D2A, F1A6</p> <p>IO-360-A1A, A1B, A1B6, A1C, A1D6, A2A, A2B, B1A, B1B, B1D, B1E, B1F, B2F, B2F6, B1G6, B4A, C1B, C1C, C1C6, C1D6, C1E6, C1F</p> <p>LO-360-A1H6</p> <p>AIO-360-A1A, A1B, B1B</p> <p>LIO-360-C1E6</p> <p>TIO-360-A1B</p>
Seal, Oil	AELSTD208	Lycoming P/N STD-208	Test and Computations per 14CFR §21.303, dwg. no. AELSTD208 rev. IR, dated 2-15-01, or later FAA approved revisions	Lycoming	Installation eligibility is same as AEL61098

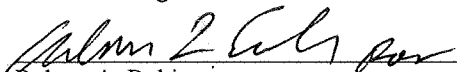
Part Name	Part Number	Approved Replacement For	Approval Basis and Approved Design Data	Installation Eligibility (Make)	Installation Eligibility (Model)
Housing Assembly, Prop. Governor	AEL75153	Lycoming P/N 75153	Test and Computations per 14CFR §21.303, dwg. no. AEL75153, rev. IR, dated 12-5-00, or later FAA approved revisions	Lycoming	O-235-P2A, M1 O-320-A2B, A3A, A3B, A3C, B3A, B3B, D1A, D1D, E1A IO-320-B1A, B1C, D1A, E2A O-360-A1A, A1C, A1D, C1A, C1C, C1E, C1F IO-360-A1A, A1B, A1B6, A1C, A1D, B1A, B1B, B1D, B1E, B1F
Housing Assembly, Prop. Governor	AEL75545	Lycoming P/N 75545	Test and Computations per 14CFR §21.303, dwg. no. AEL75545, rev IR, dated 12-5-00, or later FAA approved revisions	Lycoming	O-320-A3A, A3B, B3B, D1A, D1D, E1A, E2C IO-320-B1A, B1C, C1A, E1A, E1B LIO-320-B1A, C1A O-360-A1A, A1D, A1F6, A1G6 IO-360-A1A, A1B, A1B6, A1C, A1D, B1B, B1E
Housing Assembly, Prop. Governor	AEL75722	Lycoming P/N 75722	Test and Computations per 14CFR §21.303, dwg. no. AEL75722, rev. IR, dated 12-5-00, or later FAA approved revisions	Lycoming	O-320-A3A O-360-A1A
Housing Assembly, Prop. Governor	AEL78594	Lycoming P/N 78594	Test and Computations per 14CFR §21.303, dwg. no. AEL75722, rev. IR, dated 12-5-00, or later FAA approved revisions	Lycoming	O-360-A1A, A1D, A1F6 IO-360-A1A, A1B, A1B6

-----End of Listing-----

NOTE: Minor design changes (reference 14 CFR part 21 §§ 21.93 and 21.95) must be submitted in a manner as determined by the ACO. Major design changes (reference 14 CFR part 21 §§ 21.93 and 21.97) to drawings and specifications are to be handled in the same manner as that for an original FAA-PMA.


 Richard D. Karanian
 Project Engineer, Special Certification Office,
 ASW-190

05/22/01
 Date


 Robert A. Robino
 Manager, Manufacturing Inspection District Office,
 SW MIDO-43

JUN 01 2001
 Date

This supplement is an attachment to your FAA-PMA approval letter dated 3/31/83.