

**Continental Motors® PMA Aircraft Engine Products**  
**SERVICE INFORMATION LETTER**

**CATEGORY 5**  
**SIL009**

Contains Useful Information Pertaining to Your Aircraft Engine

- SUBJECT:** Use of Lower Spring Seat (P/N AEL13323) in Parallel Head Cylinder Assemblies
- PURPOSE:** This service instruction provides installation eligibility for the lower spring seat AEL13323 in both the intake and exhaust sides of parallel head cylinder assemblies.
- COMPLIANCE:** Reference material to ensure correct identification and usage for parallel head cylinder assemblies.

**MODELS**

**AFFECTED:** Lycoming®<sup>1</sup> engines (listed in Table 1) fitted with Continental Motors (CM) replacement parts manufactured under PMA.

**I. GENERAL INFORMATION**

Continental Motors has FAA engineering design and Parts Manufacturing Approval (PMA) for the new lower spring seat (AEL13323), which is used on Lycoming® parallel head cylinder assemblies. AEL13323 is a direct replacement to Lycoming® P/N 6544.

**II. MODELS AFFECTED**

Table 1 provides a list of Type Certificated eligible engines in which the Lycoming® replacement service parts may be used for this alternate configuration.

**Table 1. Lycoming® Eligible Engines**

Engine Class	Engine Models Affected
O-290	O-290-D, D2, D2B, D2C
O-320	O-320-A2B, A2C, A2D, A3B, A3C, B1A, B1B, B2A, B2B, B2C, B3A, B3B, B3C, C1A, C1B, C2A, C2B, C2C, C3A, C3B, C3C, D1A, D1AD, D1B, D1C, D1D, D1F, D2A, D2B, D2C, D2D, D2F, D2G, D2H, D2J, D3G, E1A, E1B, E1C, E1F, E1J, E2A, E2B, E2C, E2D, E2E, E2F, E2G, E2H, E3D, E3H, H2AD
IO-320	IO-320-B1A, B1B, B1C, C1A, D1A, D1B, D1C, E1A, E1B, E2A, E2B, F1A
AIO-320	AIO-320-B1B, C1B
LIO-320	LIO-320-B1A, C1A
AEIO-320	AEIO-320-D1B, D2B, E1A, E1B, E2A, E2B
O-340	O-340-A, B

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**Table 1. Lycoming® Eligible Engines**

Engine Class	Engine Models Affected
O-360	O-360-A1A, A1AD, A1C, A1D, A1F, A1F6, A1F6D, A1G, A1G6, A1G6D, A1H, A1H6, A1J, A1LD, A2A, A2D, A2E, A2F, A2G, A2H, A3A, A3AD, A3D, A4A, A4AD, A4D, A4G, A4J, A4JD, A4K, A4M, A4N, A5AD, B1A, B2A, B2B, C1A, C1C, C1E, C1F, C1G, C2A, C2B, C2C, C2D, C2E, D1A, D2A, D2B, E1A6D, F1A6, G1A6, J2A
HO-360	HO-360-A1A, B1A
IO-360-	IO-360-B1A, B1B, B1BD, B1C, B1D, B1E, B1F, B1F6, B2E, B2F, B2F6, B4A, E1A, E4A, F1A, L2A, M1A, M1B
LO-360	LO-360-A1G6D, A1H6, E1A6D
TO-360-	TO-360-A1G6D
VO-360	VO-360-A1A, A1B, B1A
HIO-360-	HIO-360-A1A, B1A, C1A, C1B, D1A, E1AD, E1BD
IVO-360	IVO-360-A1A
LTO-360	LTO-360-A1G6D
AEIO-360	AEIO-360-B1B, B1D, B1F, B1G6, B2F, B4A, H1A
O-435	O-435-A, A2
O-540	O-540-A1A, A1A5, A1B5, A1C5, A1D, A1D5, A2B, A3D5, A4A5, A4B5, A4D5, B1A5, B1B5, B2B5, B2C5D, B4B5, B4B5D, E1A, E4A5, E4B5, E4C5, F1A5, F1B5, G1A5, G1A5D, G2A5, H1B5D, H2B5D, J1A5D, J1C5D, J2A5D, J3A5, J3A5D, J3C5D, L3C5D
IO-540	IO-540-C1B5, C1C5, C2C, C4B5, C4B5D, C4C5, D4A5, D4B5, D4C5, J4A5, N1A5, N1A5D, R1A5, T4A5D, T4C5D, V4A5D, W1A5D, W3A5D
TIO-540	TIO-540-AA1AD, AB1AD, AF1A, C1A, G1A, C1AD, E1A, H1A, K1AD
AEIO-540	AEIO-540-D4A5, D4B5