

SERVICE BULLETIN

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TECHNICAL PORTIONS
FAA ACCEPTED

SUBJECT: Recommended Replacement of AEL12892 Thrust Buttons
PURPOSE: To notify customers of a potential incorrect material
COMPLIANCE: At next oil change for parts installed on an engine. For spares, prior to installation

MODELS

AFFECTED: Textron Lycoming®¹ engines listed in Table 1 assembled using the associated Continental PMA thrust button AEL12892 between 12/05/2023 and 03/11/2026.

I. GENERAL INFORMATION

NOTE: These instructions apply only to Lycoming® engines assembled using the PMA part number listed in the subject line. These instructions DO NOT apply to engines assembled with OEM parts.

Continental has been made aware of a potential incorrect material in the AEL12892 thrust button that could accelerate wear. Parts shipped from Continental from 12/25/2023 to 03/11/2026 could be affected. Verify the 8130-3 tag for ship dates.

The table below lists the affected cylinder part numbers and the applicable engine models.

Table 1. Models Affected

Complete Assy. Cyl. Class	Bore Type	Complete Assy. Part Number	Installation Applicability
TIST04.0CA	Steel	AEL65102ST04.0	O-320-A1B, A2B, A2C, A2D, A3A, A3B, B2B, B2C, B2D, B2E, B3B, B3C, C2B, C2C, C3B, C3C, D1A, D1B, D1C, D1D, D1F, D2A, D2B, D2C, D2F, D2G, D2H, D2J, D3G, E1A, E1B, E1C, E1F, E1J, E2B, E2C, E2D, E2E, E2F, E2G, E2H, E3D, E3H IO-320-A1A, A2A, B1A, B1B, B1C, B1D, B1E, B2A, D1A, D1B, D1C, E1A, E1B, E2A, E2B
TISN04.0CA	Nickel	AEL65102SN04.0	AIO-320-A1A, A1B, A2A, A2B, B1B, C1B LIO-320-B1A AEIO-320-D1B, D2B, E1A, E1B, E2A, E2B
TIST04.1CA	Steel	AEL65102ST04.1	O-320-B2B, B2C, B2D, B2E, B3B, B3C, D1A, D1B, D1C, D1D, D1F, D2A, D2B, D2C, D2F, D2G, D2H, D2J, D3G IO-320-B1A, B1B, B1C, B1D, B1E, B2A, D1A, D1B, D1C
TISN04.1CA	Nickel	AEL65102SN04.1	AIO-320-A1A, A1B, A2A, A2B, B1B, C1B LIO-320-B1A AEIO-320-D1B, D2B

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Complete Assy. Cyl. Class	Bore Type	Complete Assy. Part Number	Installation Applicability
TIST05.0CA	Steel	AEL65102ST05.0	IO-320-C1A, C1B, C1F, F1A
TISN05.0CA	Nickel	AEL65102SN05.0	LIO-320-C1A
TIST06.0CA	Steel	AEL65102ST06.0	O-320-A1A, A2A, A2B, A2C, A3A, A3B, A3C, E1A, E1B, E2A, E2C
TISN06.0CA	Nickel	AEL65102SN06.0	IO-320-A1A, A2A
TIST07.0CA	Steel	AEL65102ST07.0	IO-320-B1A, B1B
TISN07.0CA	Nickel	AEL65102SN07.0	LIO-320-B1A
TIST08.0CA	Steel	AEL65102ST08.0	O-320-B1A, B1B, B2A, B2B, B3A, B3B, B3C, D1A, D1B, D2A, D2B, D2C
TISN08.0CA	Nickel	AEL65102SN08.0	
TIST08.0ACA	Steel	AEL65102ST08.0A	O-320-C1A, C1B, C2A, C2B, C3A, C3B, C3C
TISN08.0ACA	Nickel	AEL65102SN08.0A	
TIST09.0ACA	Steel	AEL65102ST09.0A	O-340 A1A, A2A, B1A
TISN09.0ACA	Nickel	AEL65102SN09.0A	
TIST09.0BCA	Steel	AEL65102ST09.0B	O-340-B1A, B2A
TISN09.0BCA	Nickel	AEL65102SN09.0B	
TIST10.0CA	Steel	AEL65102ST10.0	O-360-A1A, A1C, A1D, A2A, A2E, A3A, A3D, A4A, B1A, B1B, B2A, B2B, C1A, C1C, C1G, C2A, C2B, C2C, C2D, D1A, D2A, D2B; HO-360-A1A, B1A, B1B; IO-360-B1A, B1B, B1C; HIO-360-B1A, B1B; AEIO-360-B1B;
TISN10.0CA	Nickel	AEL65102SN10.0	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; IO-540-C1B5, C1C5, C2C, C4B5, C4B5D, C4C5, D4A5, D4B5, N1A5, N1A5D
TIST10.1CA	Steel	AEL65102ST10.1	O-360-A1A, A1C, A1D, A2A, A2E, A3A, A3D, A4A, C1A, C1C, C1G, C2A, C2B, C2C, C2D; HO-360-A1A, B1A, B1B; IO-360-B1A, B1B, B1C; HIO-360-B1A, B1B; AEIO-360-B1B;
TISN10.1CA	Nickel	AEL65102SN10.1	O-540-A1A, A1A5, A1B5, A1C5, A1D, A1D5, A2B, A3D5, A4A5, A4B5, A4C5, A4D5, D1A5, E4A5, E4B5, E4C5, F1A5, F1B5, G1A5, G2A5; IO-540-C1B5, C1C5, C2C, C4B5, C4B5D, C4C5, D4A5, D4B5, N1A5, N1A5D

Table 1. Models Affected

Complete Assy. Cyl. Class	Bore Type	Complete Assy. Part Number	Installation Applicability
TIST12.0CA	Steel	AEL65102ST12.0	O-360-A1A, A1AD, A1D, A1F, A1F6, A1F6D, A1G, A1G6, A1G6D, A1H, A1H6, A1LD, A1P, A2A, A2D, A2F, A2G, A2H, A3A, A3AD, A3D, A4A, A4AD, A4D, A4G, A4J, A4K, A4M, A4N, A4P, A5AD, B1A, B2C, C1A, C1C, C1E, C1F, C1G, C2A, C2B, C2C, C2D, C2E, C4F, C4P, D2A, F1A6, G1A6 HO-360-C1A IO-360-B1B, B1D, B1E, B1F, B1F6, B1G6, B2E, B2F, B2F6, B4A, E1A, L2A, M1A, M1B LO-360-A1G6D, A1H6 TO-360-A1A6D HIO-360-B1A, B1B, G1A LTO-360-A1A6D
TISN12.0CA	Nickel	AEL65102SN12.0	AEIO-360-B1B, B1D, B1E, B1F, B1F6, B1G6, B1H, B2F, B2F6, B4A, H1A, H1B O-540-A4D5, B2B5, B2C5, B4A5, B4B5, E4A5, E4B5, E4C5, G1A5, G2A5, H1A5, H1A5D, H1B5D, H2A5, H2A5D, H2B5D IO-540-C4B5, C4B5D, C4D5, C4D5D, D4A5, D4B5, D4C5, N1A5, N1A5D, T4A5D, T4B5, T4B5D, T4C5D, V4A5, V4A5D AEIO-540-D4A5, D4B5, D4C5, D4D5
TIST12.2CA	Steel	AEL65102ST12.2	O-360-B1A, B2C, D2A TO-360-A1A6D
TISN12.2CA	Nickel	AEL65102SN12.2	LTO-360-A1A6D O-540-B2B5, B2C5, B4B5
TIST26.0CA	Steel	AEL65102ST26.0	IO-540-J4A5, R1A5
TISN26.0CA	Nickel	AEL65102SN26.0	TIO-540-C1A, E1A, G1A, H1A
TIST26.1CA	Steel	AEL65102ST26.1	TIO-540-C1A, E1A, H1A
TISN26.1CA	Nickel	AEL65102SN26.1	
TIST38.0CA	Steel	AEL65102ST38.0	IO-360-F1A TIO-540-C1A, K1AD, AA1AD, AB1AD, AB1BD, AF1A, AG1A, AK1A LTIO-540-K1AD
TISN38.0CA	Nickel	AEL65102SN38.0	LTIO-540-K1AD
TIST38.1CA	Steel	AEL65102ST38.1	
TISN38.1CA	Nickel	AEL65102SN38.1	TIO-540-K1AD, AA1AD, AB1AD, AB1BD, AF1A, AG1A, AK1A LTIO-540-K1AD
TIST38.3CA	Steel	AEL65102ST38.3	IO-360-F1A
TISN38.3CA	Nickel	AEL65102SN38.3	
TIST43.0CA	Steel	AEL65102ST43.0	O-360-J2A O-540-F1B5, J1A5D, J1B5D, J1C5D, J1D5D, J2A5D, J2B5D, J2C5D, J2D5D, J3A5, J3C5D
TISN43.0CA	Nickel	AEL65102SN43.0	IO-540-W1A5, W1A5D, W3A5D, AB1A5
TIST43.1CA	Steel	AEL65102ST43.1	O-360-J2A O-540-F1B5
TISN43.1CA	Nickel	AEL65102SN43.1	
TIST44.0CA	Steel	AEL65102ST44.0	O-540-L3C5D
TISN44.0CA	Nickel	AEL65102SN44.0	

II. REPLACEMENT

1. Disconnect power to engine.
2. Make sure engine is cool.
3. Remove the rocker cover (Figure 1) (1) and gasket (2) from the cylinder assembly. Discard the gasket (2).

If signs of overheating or accelerated wear of the thrust button (3) are found, ensure that no debris is present in the cylinder drain back line, oil sump, or in the rocker box area and contact Continental. If none are found, proceed to step 4.

4. Remove the thrust buttons (3). Removal of the shaft (4) and rockers (5) is not required.
5. Replace both thrust buttons (3) regardless of condition.
6. Install the rocker cover (1) with a new gasket (2) on the cylinder assembly.
7. Install and torque hardware (6) to the value specified in the engine's primary Instructions for Continued Airworthiness (ICA).
8. Enable power to the engine.
9. Complete the "Operational Ground Check" per the engine's primary ICA.
10. Make an appropriate engine logbook entry to document compliance with SB017.

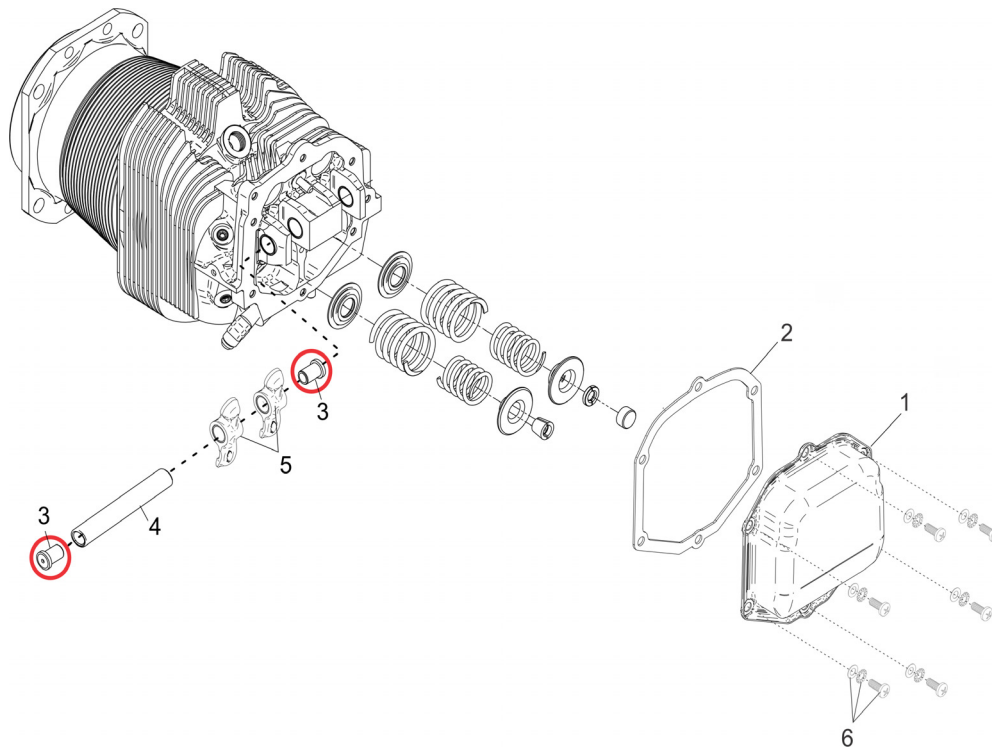


Figure 1.

Continental has verified the material on some cylinders at our distributor's facility. The paint mark shown in Figure 2 identifies compliance. If this mark is on the cylinder, no further action is required.

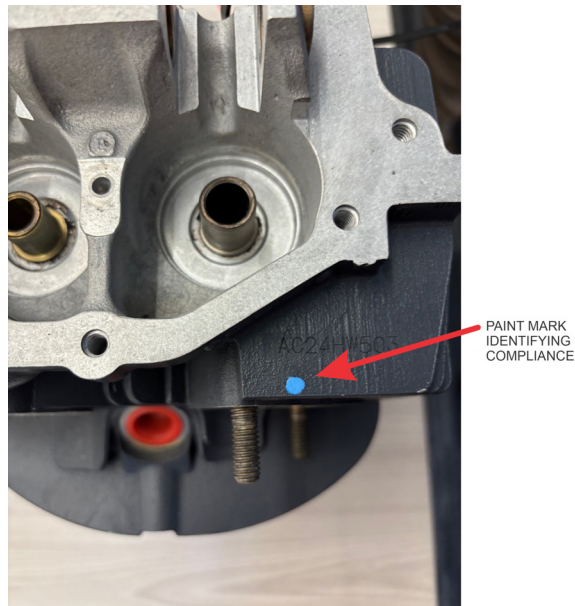


Figure 2.

III. CONTACT US

Contact Continental Technical Services at the phone number or email address listed below if you have any questions concerning the technical content of this Service Document

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