

SERVICE BULLETIN

Compliance Will Enhance Safety

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: Continental Aerospace Technologies OX-320, IOX-320, OX-340, OX-340-CC, IOX-340, OX-360, IOX-360, OX-370, IOX-370, OX-540, IOX-540, VA540 Titan™ experimental aircraft engines

I. GENERAL INFORMATION

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 and valve assembly part numbers applicable to the engines listed in Models affected above.

Table 1. Affected Assemblies

Assembly	Bore Type	Assembly	Bore Type	Assembly	Bore Type
TISN04.0X11CA	Nickel	TISN12.2X18CA	Nickel	TIST10.1X11CA	Steel
TISN04.0X14CA	Nickel	TISN12.3X11CA	Nickel	TIST10.1X14CA	Steel
TISN04.0X18CA	Nickel	TISN12.3X14CA	Nickel	TIST10.1X18CA	Steel
TISN04.1X11CA	Nickel	TISN12.3X18CA	Nickel	TIST10.3X11CA	Steel
TISN04.1X14CA	Nickel	TISN12.4X18CA	Nickel	TIST10.3X14CA	Steel
TISN04.1X18CA	Nickel	TISN26.0X18CA	Nickel	TIST10.3X18CA	Steel
TISN04.2X18CA	Nickel	TISN26.1X18CA	Nickel	TIST12.0X11CA	Steel
TISN04.3X11CA	Nickel	TISN38.0X18CA	Nickel	TIST12.0X14CA	Steel
TISN04.3X14CA	Nickel	TISN38.1X18CA	Nickel	TIST12.0X18CA	Steel
TISN04.3X18CA	Nickel	TISN38.3X18CA	Nickel	TIST12.1X18CA	Steel
TISN05.0X18CA	Nickel	TIST04.0X11CA	Steel	TIST12.2X11CA	Steel
TISN10.0X11CA	Nickel	TIST04.0X14CA	Steel	TIST12.2X14CA	Steel
TISN10.0X14CA	Nickel	TIST04.0X18CA	Steel	TIST12.2X18CA	Steel
TISN10.0X18CA	Nickel	TIST04.1X11CA	Steel	TIST12.3X11CA	Steel
TISN10.1X11CA	Nickel	TIST04.1X14CA	Steel	TIST12.3X14CA	Steel
TISN10.1X14CA	Nickel	TIST04.1X18CA	Steel	TIST12.3X18CA	Steel
TISN10.1X18CA	Nickel	TIST04.2X18CA	Steel	TIST26.0X18CA	Steel
TISN10.3X11CA	Nickel	TIST04.3X11CA	Steel	TIST26.1X18CA	Steel

Table 1. Affected Assemblies

Assembly	Bore Type	Assembly	Bore Type	Assembly	Bore Type
TISN10.3X14CA	Nickel	TIST04.3X14CA	Steel	TIST38.0X18CA	Steel
TISN10.3X18CA	Nickel	TIST04.3X18CA	Steel	TIST38.1X18CA	Steel
TISN12.0X11CA	Nickel	TIST05.0X18CA	Steel	TIST38.3X18CA	Steel
TISN12.0X14CA	Nickel	TIST06.0X18CA	Steel	TIST04.0X18VA	Steel
TISN12.0X18CA	Nickel	TIST10.0X11CA	Steel	TIST12.0X18VA	Steel
TISN12.2X11CA	Nickel	TIST10.0X14CA	Steel		
TISN12.2X14CA	Nickel	TIST10.0X18CA	Steel		

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 entry in the engine logbook.

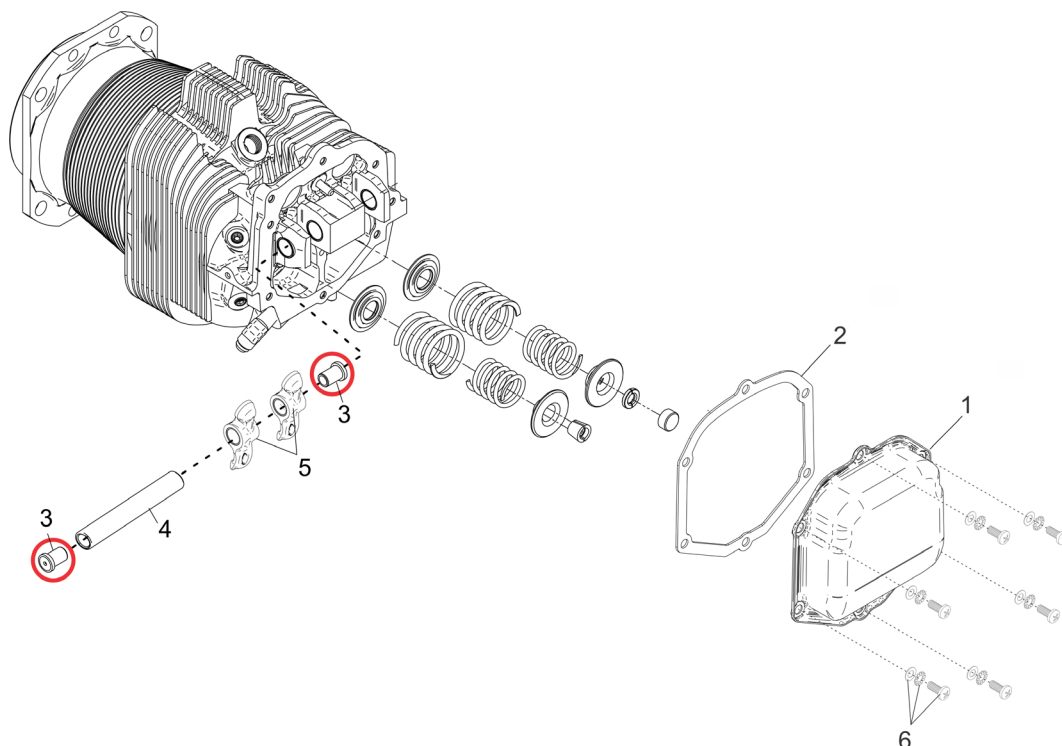


Figure 1.

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.

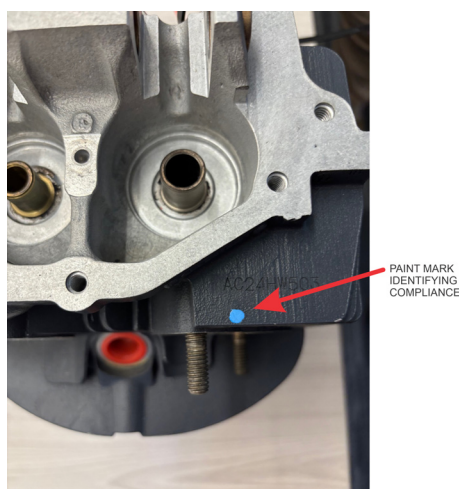


Figure 2.

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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