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Montgomery, AL 36108 USA
Tel: 334-386-5400 Fax: 334-386-5450

Service Bulletin

Bulletin No. 042

Turbocharger Journal Bearing Recall

1. Planning Information

A. Effectivity

- (1) All Hartzell Engine Technologies LLC (HET) turbocharger journal bearings, HET P/N 407134-0000 identified with date codes H-1110, H-1210, H-0111, H-0211, H-0311, H-0411, and H-0511, manufactured between Nov. 2010 and May 2011 that are in distributor or field inventory only.

CAUTION: DO NOT USE OBSOLETE OR OUTDATED INFORMATION. PERFORM ALL INSPECTIONS OR WORK IN ACCORDANCE WITH THE MOST RECENT REVISION OF THIS ALERT SERVICE BULLETIN. INFORMATION CONTAINED IN THIS ALERT SERVICE BULLETIN MAY BE SIGNIFICANTLY CHANGED FROM EARLIER REVISIONS. FAILURE TO COMPLY WITH THIS ALERT SERVICE BULLETIN OR THE USE OF OBSOLETE INFORMATION MAY CREATE AN UNSAFE CONDITION THAT MAY RESULT IN DEATH, SERIOUS BODILY INJURY, AND/OR SUBSTANTIAL PROPERTY DAMAGE. REFER TO THE ALERT SERVICE BULLETIN INDEX FOR THE MOST RECENT REVISION LEVEL OF THIS ALERT SERVICE BULLETIN..

B. Concurrent Requirements

- (1) None

C. Reason

- (1) Hartzell Engine Technologies LLC has discovered that a quantity of turbocharger journal bearings, HET P/N 407134-0000 identified with date codes as shown in Table 1 may not conform to drawing specifications.
- (2) The affected turbocharger journal bearings are being recalled for further investigation.
- (3) Additional action may be taken.

D. Description

- (1) This Service Bulletin is being issued to mandate the return of any turbocharger journal bearing, HET P/N 407134-0000 identified with date codes as shown in Table 1 which may be in distributor or field inventory.

E. Compliance

- (1) Immediately cease the use of turbocharger journal bearings, HET P/N 407134-0000, that are in field service inventory with date codes as shown in Table 1.
 - (a) Return the affected turbocharger journal bearings through place of purchase immediately but not to exceed thirty (30) days from the effective date of this Service Bulletin.

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F. Approval

- (1) FAA approval has been obtained on technical data in this publication that affects type design.

G. Manpower

- (1) Negligible for return of parts in inventory.

H. References

CAUTION: DO NOT USE OBSOLETE OR OUTDATED INFORMATION. PERFORM ALL INSPECTIONS OR WORK IN ACCORDANCE WITH THE MOST RECENT REVISION OF A DOCUMENT.

- (1) HET 400600-0000 Turbocharger Overhaul & Maintenance Manual.

I. Other Publications Affected

- (1) None

J. Weight and Balance

- (1) Not affected

2. Material Information

- (1) None

3. Accomplishment Instructions

WARNING: THIS PROCEDURE MUST BE PERFORMED BY COMPETENT AND QUALIFIED PERSONNEL WHO ARE FAMILIAR WITH ENGINE AND AIRFRAME MAINTENANCE THAT IS SPECIFIC TO THE TURBOCHARGING SYSTEM. FAILURE TO DO SO MAY RESULT IN ECONOMIC LOSS, EQUIPMENT DAMAGE, AND/OR PHYSICAL INJURY.

CAUTION: DO NOT USE OBSOLETE OR OUTDATED INFORMATION. PERFORM ALL INSPECTIONS OR WORK IN ACCORDANCE WITH THE MOST RECENT REVISION OF THIS SERVICE BULLETIN AND THE APPLICABLE AIRCRAFT, ENGINE AND/OR HET 400600-0000 MAINTENANCE MANUAL. INFORMATION CONTAINED IN THESE MANUALS OR THIS SERVICE BULLETIN MAY BE SIGNIFICANTLY CHANGED FROM EARLIER REVISIONS. FAILURE TO COMPLY WITH THE SERVICE BULLETIN OR THE USE OF OBSOLETE INFORMATION MAY CREATE AN UNSAFE CONDITION THAT MAY RESULT IN DEATH, SERIOUS BODILY INJURY, AND/OR SUBSTANTIAL PROPERTY DAMAGE. REFER TO THE APPLICABLE AIRCRAFT, ENGINE, AND/OR THE HET 400600-0000 MAINTENANCE MANUAL INDEX FOR THE MOST RECENT REVISION LEVEL OF THE PUBLICATION.

A. Inspection

- (1) Locate the etched date code as shown in Figure 1. If one of the date codes shown in Table 1 is etched on the bearing, the bearings must be removed from inventory.

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B. Corrective Action:

- (1) Return through the point of purchase any turbocharger journal bearing HET P/N 407134-0000 with date codes as shown in Table 1 within thirty (30) days from the date of this Service Bulletin.

4. Contact Information:

- A. All communications regarding this Service Bulletin, must be placed either through Hartzell Engine Technologies Technical Support at (888) 461-6077 or via Fax (334) 386-5450. For the Warranty department, (334) 386-5441.
- B. Written communications must be placed through Hartzell Engine Technologies Technical Support, 2900 Selma Highway, Montgomery, AL 36108, USA.
- C. If E-mail communication is desired, go to our website:<http://www.hartzellenginetech.com> and select "contact" and follow the instructions.
- D. If returning the turbocharger for repair or replacement, return to:

Hartzell Engine Technologies LLC
2900 Selma Highway
Montgomery, AL 36108, USA.

Attention: Warranty / SB 042

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Figure 1 - Turbocharger Journal Bearing

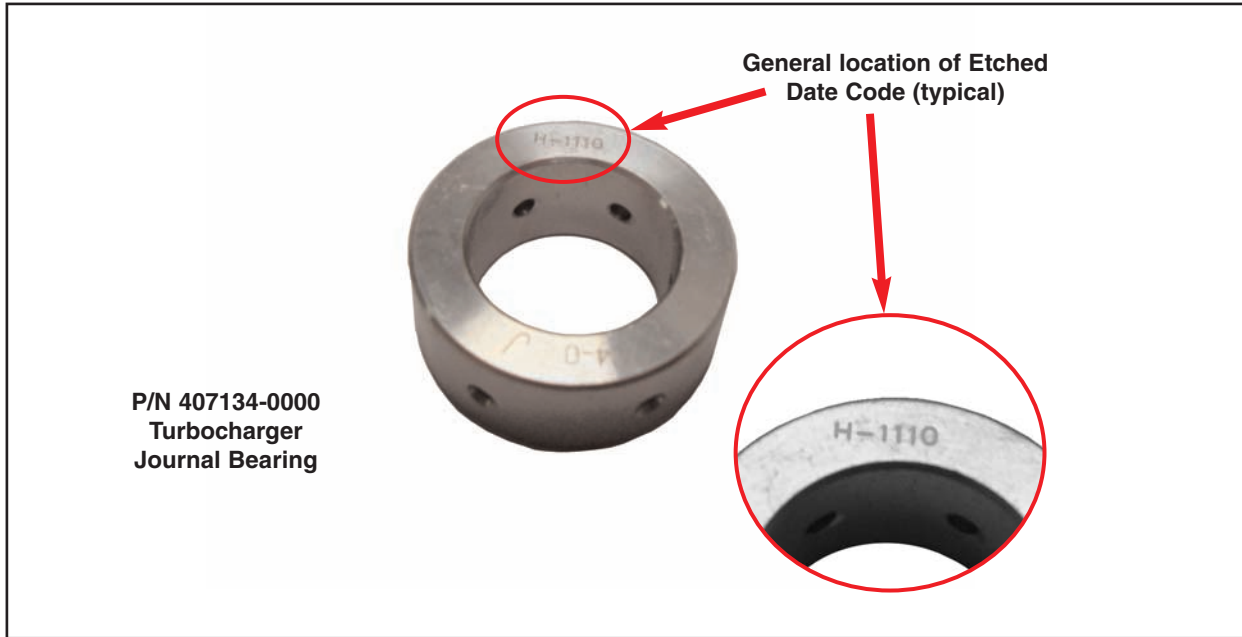


Table 1 - Date Codes Affected

H-1110	H-1210	H-0111	H-0211	H-0311	H-0411	H-0511
Nov. 2010	Dec. 2010	Jan. 2011	Feb. 2011	Mar. 2011	April 2011	May 2011