



2900 Selma Highway
 Montgomery, AL 36108 USA
 Tel: 334-386-5400 Fax: 334-386-5450

Service Information Letter

Letter A-139

TE06 Model Turbocharger Alternate Thrust Bearing

1. Planning Information

A. Effectivity

(1) Hartzell Engine Technologies LLC (HET), formerly Kelly Aerospace Energy Systems, LLC (KAES), model TE06 turbocharger assemblies, that currently use P/N 405466-0000 thrust bearing and are listed in Table 1, are affected by this Service Information Letter (SIL). The affected turbochargers are FAA PMA approved.

Table 1 - Applicable HET Turbocharger Part Numbers

406610-0004	406610-9004	406610-0005	406610-9005	406610-0015	406610-9015
406610-0018	406610-9018	406610-0019	406610-9019	406610-0020	406610-9020
406610-0021	406610-9021	406610-0022	406610-9022	406610-0025	406610-9025
406610-0026	406610-9026	406610-0028	406610-9028	406610-0029	406610-9029
406610-0030	406610-9030	406610-0031	406610-9031	406610-0032	406610-9032
406970-0001	406970-9001				

CAUTION: DO NOT USE OBSOLETE OR OUTDATED INFORMATION. PERFORM ALL INSPECTIONS OR WORK IN ACCORDANCE WITH THE MOST RECENT REVISION OF THE HET 400600-000 TURBOCHARGER MAINTENANCE MANUAL (MM) AND THIS SERVICE INFORMATION LETTER (SIL). INFORMATION CONTAINED IN THE MM AND THE SIL MAY BE SIGNIFICANTLY CHANGED FROM EARLIER REVISIONS. 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 SIL AND MM INDEX FOR THE MOST RECENT REVISION LEVEL.

B. Concurrent Requirements

None.

C. Reason

(1) Due to availability of the raw material, HET P/N 405466-0000 thrust bearing has been replaced with HET P/N 449886-0001 thrust bearing made from an alternate material.

D. Description

(1) This Service Information Letter introduces the P/N 449886-0001 thrust bearing as an alternate for the P/N 405466-0000 thrust bearing for turbochargers listed in Table 1.



2900 Selma Highway
Montgomery, AL 36108 USA
Tel: 334-386-5400 Fax: 334-386-5450

Service Information Letter

Letter A-139

TE06 Model Turbocharger Alternate Thrust Bearing

- (2) The P/N 449886-0001 thrust bearing and the P/N 405466-0000 thrust bearing are equivalent and may be used interchangeably.
- (3) HET will continue to use the P/N 405466-0000 thrust bearing until factory stock is depleted.
- (4) Upon depletion of factory stock, only P/N 449886-0001 thrust bearing will be available from HET.
- (5) Customers holding field inventory may continue to use thrust bearing, P/N 405466-0000.
- (6) Future orders will be filled by thrust bearing P/N 449886-0001.
- (7) The P/N 449886-001 thrust bearing will be incorporated into the Turbocharger Overhaul & Maintenance Manual P/N 400600-0000 at next revision.

E. Approval

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

F. Compliance

- (1) When replacement of the P/N 405466-0000 thrust bearing is required, refer to the Accomplishment Instructions in this Service Information Letter.

G. Manpower

- (1) No additional man hours are required to use the alternate thrust bearing.

H. References

- (1) Turbocharger Overhaul & Maintenance Manual P/N 400600-0000.
- (2) KAES Service Bulletin 023 "Turbocharger System Operational Tests".

I. Other Publications Affected

- (1) Turbocharger Overhaul & Maintenance Manual P/N 400600-0000.

2. Material Information

<u>Current P/N</u>	<u>Description</u>	<u>Alternate P/N</u>
405466-0000	Thrust Bearing	449886-0001



2900 Selma Highway
Montgomery, AL 36108 USA
Tel: 334-386-5400 Fax: 334-386-5450

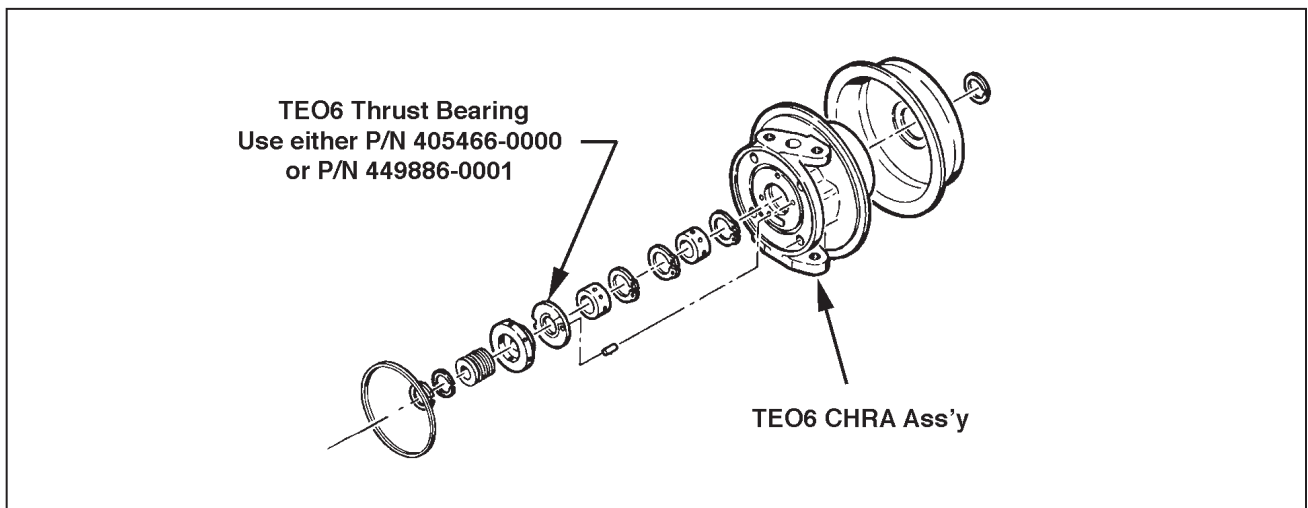
Service Information Letter

Letter A-139

TEO6 Model Turbocharger Alternate Thrust Bearing

3. Accomplishment Instructions

- A. If replacement of the P/N 405466-0000 thrust bearing is required, installation of a P/N 405466-0000 or a P/N 449886-0001 thrust bearing is approved.
- B. Install the P/N 449886-0001 thrust bearing using the procedures specified for the P/N 405466-0000 thrust bearing as contained in the HET Turbocharger Overhaul & Maintenance Manual P/N 400600-0000. Refer to Figure 1.



TEO6 Assembly
Figure 1

- C. Make an appropriate entry in the repair or overhaul records or tag referencing the installation of the P/N 449886-0001 thrust bearing in accordance with this Service Information Letter.
- D. Perform the testing specified in KAES Service Bulletin 023 "Turbocharger System Operational Tests".



2900 Selma Highway
Montgomery, AL 36108 USA
Tel: 334-386-5400 Fax: 334-386-5450

Service Information Letter

Letter A-139

TE06 Model Turbocharger Alternate Thrust Bearing

4. Warranty Statement

- A. The sole warranty for the actions within this service information letter are contained in the HET Limited Warranty Policy issued with the purchase of each new or rebuilt turbocharger or turbocharger piece part (see terms and conditions therein).
- B. Issuance of this service information letter in no way constitutes an implied or expressed warranty of any kind.
- C. This publication does not imply or state any responsibility for the workmanship of any person or entity performing work or maintenance on the turbocharging system.

5. Contact Information

- A. All communications regarding this service Information Letter, 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