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Service Letter

Service Letter No. 052

Alternator - Spare Parts Release HET P/N ALU-6539-3 & -4

1. Planning Information

A. Effectivity

- (1) Lycoming Engines, Inc. TIO-540-AE2A type certified aircraft engines utilizing a Lycoming P/N 32C22527, 32C22528, 32C22515, or an HET P/N ALU-6539LS alternator.

B. Reason

- (1) Hartzell Engine Technologies LLC is issuing this Service Letter as a notice that an FAA PMA has been obtained for the P/N ALU-6539-3 and ALU-6539-4 alternators.
- (2) Alternator P/N ALU-6539-3 is now an approved replacement for the Lycoming P/N 32C22528, 32C22515, and the HET P/N ALU-6539LS alternator as used on the TIO-540-AE2A Lycoming engine.
- (3) Alternator P/N ALU-6539-4 is now an approved replacement for the Lycoming P/N 32C22527, 32C22515, and the HET P/N ALU-6539LS alternator as used on the TIO-540-AE2A Lycoming engine.
- (4) Alternator P/N ALU-6539-3 and ALU-6539-4 may be obtained through approved HET distributors.

C. Description

- (1) This publication provides Additional Maintenance Information (AMI).
- (2) The HET PMA alternators are identical in fit, form, and function to the Lycoming and HET P/N alternators listed in 1.B.(2) and 1.B(3).
- (3) HET P/N ALU-6539-3 is a 24 volt, 75 amp alternator which may be used to replace the Lycoming P/N 32C22528, 32C22515, or HET P/N ALU-6539LS alternator. This unit has a weight of approximately 12.8 lbs.
- (4) HET P/N ALU-6539-4 is a 24 volt, 75 amp alternator which may be used to replace the Lycoming P/N 32C22527, 32C22515, or HET P/N ALU-6539LS alternator. This unit has a weight of approximately 12.7 lbs.

D. Approval

- (1) This technical publication has been approved by Hartzell Engine Technologies LLC.

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E. Other Publications Affected

- (1) HET OE-A2 Overhaul & Maintenance manual Rev. 05 or later.

F. References

- (1) FAA PMA No. PQ1383CE-D Supplement No. 10.
- (2) Applicable aircraft/engine maintenance manual.
- (3) HET OE-A2 Overhaul & Maintenance manual Rev. 05 or later. (ICA)

2. Material Information*

(A) As desired for maintenance per Lycoming application:

One (1) each, alternator, HET P/N ALU-6539-3.

One (1) each, alternator, HET P/N ALU-6539-4.

These HET alternators are available through any HET distributor.

* Miscellaneous parts including the alternator belt if required must be obtained through Piper Aircraft and/or Lycoming Engines, Inc.

3. Contact Information

- A. All communications regarding Service Letter 052 may be placed through Hartzell Engine Technologies Product Support at +1.334.386.5400 or at +1.334.386.5441. If via Fax +1.334.386.5410.
- B. Written communications regarding Service Letter 052 may be sent to Hartzell Engine Technologies Product Support, 2900 Selma Highway, Montgomery, AL 36108, USA.
- C. If e-mail communication is desired, use techsupport@hartzellenginetech.com. For a copy of this Service Letter, go to Hartzell Engine Technologies website:<http://www.hartzellenginetech.com> and follow instructions or use.