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

SERVICE LETTER

SERVICE LETTER No. 218

ES-4020 Series Alternator Parts Supersedure

1. Planning Information

A. Effectivity

- (1) PlanePower ES-4020 Series alternators being overhauled or serviced by Hartzell Engine Tech LLC (HET) or other authorized repair stations.
- (2) All serial numbers of ES-4020 Series alternators are affected by this Service Letter.

WARNING: DO NOT USE OBSOLETE OR OUTDATED INFORMATION. PERFORM ALL INSPECTIONS OR WORK IN ACCORDANCE WITH THE MOST RECENT REVISION OF THIS SERVICE LETTER. INFORMATION CONTAINED HEREIN MAY BE SIGNIFICANTLY CHANGED FROM EARLIER REVISIONS.

B. Concurrent Requirements

- (1) None.

C. Reason

- (1) This Service Letter serves as a notification of supersedure for part numbers found herein.
 - (a) This supersedure is a permanent change and will be reflected in a future revision of the referenced manual

D. Description

- (1) Permissible to use alternate part numbers approved for same application.

E. Approval

- (1) This technical document is approved by Hartzell Engine Tech LLC.

F. References

- (1) HET Manual OE-A2, *Aircraft Alternator and Starter Maintenance and Overhaul Manual, Rev. 12* or earlier FAA accepted revision.

G. Weight and Balance

- (1) No Change.

2. Materials Required

- A. See Section 3, §3.A for replacement parts list.

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3. Accomplishment Instructions

WARNING: THIS PROCEDURE MUST BE PERFORMED BY COMPETENT AND QUALIFIED PERSONNEL WHO UNDERSTAND THE ALTERNATOR OVERHAUL PROCEDURE. FAILURE TO DO SO MAY RESULT IN PHYSICAL INJURY, EQUIPMENT DAMAGE AND/OR ECONOMIC LOSS.

A. Application

- (1) See Referenced HET Manual P/N OE-A2, pg. 2-490-01 when overhauling or servicing ES-4020 Series alternators:
 - (a) ITM #6 - Battery Terminal Outer Insulator - Replace P/N ES4301 with P/N 4301;
 - (b) ITM #12 - Slip Ring End Shield Stud - Replace P/N ES4330 with P/N 4330;
 - (c) ITM #19 - Terminal Block Screw (3 ea.) - Replace P/N ES4333 with P/N 4333;
 - (d) ITM #25 - Capacitor Insulator - Replace P/N ES4302 with P/N 4302;
 - (e) ITM #35 - Lock Tab, Thru Bolt (3 ea.) - Replace P/N ES4309 with P/N 4309;
 - (f) ITM #37 - Thru-bolt (3 ea.) - Replace P/N ES4310 with P/N 4310.

4. Contact Information

A. Contact HET Product Support for all communications regarding the technical content of this Service Letter.

- (1) Phone +1.334.386.5400 (Option 2)
- (2) Fax +1.334.386.5450
- (3) E-mail at techsupport@hartzell.aero
- (4) Address

Hartzell Engine Tech LLC - ATTN: Product Support
2900 Selma Highway
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