



# MOONEY INTERNATIONAL CORPORATION SPECIAL LETTER

SPECIAL LETTER 19-06  
Date: 05-23-2019

- SUBJECT:** To ADVISE MOONEY OWNERS/OPERATORS of the **CONTINENTAL AEROSPACE TECHNOLOGIES, CRITICAL SERVICE BULLETIN No. CSB19-03 - Issued 05/21/2019 - Subject: Hartzell Engine Technologies (HET) Alert Service Bulletin (ASB) No. 078.**  
(see attached document for more information)
- MODELS/  
S/N AFFECTED:** New and rebuilt Continental Aerospace Technologies (Continental) IO-550-A, B, C, D, E, F, G, L, N, P, R; IOF-550-B, C, D, E, F, L, N, P, R aviation gasoline (AvGas) engines.  
(see attached document for more information)
- TIME OF  
COMPLIANCE:** Reference attached Hartzell Engine Technologies (HET) Alert Service Bulletin (ASB) No. 078, (Alternator Inspection, section 1.E. Compliance). Compliance with section 3.A of ASB No. 078 is required prior to next flight. (see attached document for more information)
- INTRODUCTION:** Hartzell Engine Technologies LLC (HET) has issued Alert Service Bulletin (ASB) No. 078 requiring the inspection, removal, and replacement of an identified alternator. Reference Hartzell Engine Technologies Alert Service Bulletin (ASB) No. 078 for the applicable alternators (serial number(s) and shipment date(s)). Continental recommends compliance with HET Alert Service Bulletin (ASB) No. 078. (see attached document for more information)
- INSTRUCTIONS:** Refer to - **CONTINENTAL AEROSPACE TECHNOLOGIES, CRITICAL SERVICE BULLETIN No. CSB19-03 - Issued 05/21/2019 - Subject: Hartzell Engine Technologies (HET) Alert Service Bulletin (ASB) No. 078.**  
(see attached document for more information)
- WARRANTY:** Direct all questions regarding the actions required by the attached Alert Service Bulletin to:  
Hartzell Engine Technologies LLC  
2900 Selma Highway  
Montgomery, AL 36108  
Phone: +1-334-386-5441  
FAX: +1-334-386-5410  
E-mail: techsupport@HartzellEngineTech.com
- REFERENCE  
DATA:** Refer to - **CONTINENTAL AEROSPACE TECHNOLOGIES, CRITICAL SERVICE BULLETIN No. CSB19-03 - Issued 05/21/2019 - Subject: Hartzell Engine Technologies (HET) Alert Service Bulletin (ASB) No. 078.**  
(see attached document for more information)
- PARTS LIST:** Refer to - **CONTINENTAL AEROSPACE TECHNOLOGIES, CRITICAL SERVICE BULLETIN No. CSB19-03 - Issued 05/21/2019 - Subject: Hartzell Engine Technologies (HET) Alert Service Bulletin (ASB) No. 078.**  
(see attached document for more information)

**SUBJECT:** Hartzell Engine Technologies (HET) Alert Service Bulletin (ASB) No. 078

**PURPOSE:** To notify owners, operators, distributors, and maintenance facilities of inspection, removal, and replacement criteria for affected Hartzell alternators part number (P/N ES-10024), Continental Aerospace Technologies (Continental P/N 656802)

**COMPLIANCE:** Reference attached Hartzell Engine Technologies (HET) Alert Service Bulletin (ASB) No. 078, (Alternator Inspection, section 1.E. Compliance). Compliance with section 3.A of ASB No. 078 is required prior to next flight.

**MODELS**

**EFFECTED:** New and rebuilt Continental Aerospace Technologies (Continental) IO-550-A, B, C, D, E, F, G, L, N, P, R; IOF-550-B, C, D, E, F, L, N, P, R aviation gasoline (AvGas) engines

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**I. GENERAL INFORMATION**

Hartzell Engine Technologies LLC (HET) has issued Alert Service Bulletin (ASB) No. 078 requiring the inspection, removal, and replacement of an identified alternator. Reference Hartzell Engine Technologies Alert Service Bulletin (ASB) No. 078 for the applicable alternators (serial number(s) and shipment date(s)).

Continental recommends compliance with HET Alert Service Bulletin (ASB) No. 078.

**II. WARRANTY**

Direct all questions regarding the actions required by the attached Alert Service Bulletin to:

Hartzell Engine Technologies LLC  
2900 Selma Highway  
Montgomery, AL 36108  
Phone: +1-334-386-5441  
FAX: +1-334-386-5410  
E-mail: techsupport@HartzellEngineTech.com



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2019/05/21

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CSB19-03

**PAGE**  
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# ALERT SERVICE BULLETIN

ALERT SERVICE BULLETIN No. 078

## Alternator Inspection

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

### 1. Planning Information

#### A. Effectivity

- (1) Plane-Power alternator P/N ES-10024, Continental Aerospace Technologies (CAT) P/N 656802, manufactured by Hartzell Engine Technologies (HET) are affected by this Alert Service Bulletin (ASB).
  - (a) Alternators with P/N ES-10024 (CAT P/N 656802) shipped between 19 February 2019 and 26 April 2019 are affected by this ASB.
- (2) The following serial number is affected by this ASB:  
H-T021093
- (3) Aircraft engine model/series affected by this ASB are shown in Table 1.

**NOTE:** Table 1 is for reference only and is not an all-inclusive list of engines affected by this ASB. It is the responsibility of the owner/operator to verify whether an affected alternator may be installed.

**WARNING:** DO NOT USE OBSOLETE OR OUTDATED INFORMATION. PERFORM ALL INSPECTIONS OR WORK IN ACCORDANCE WITH THE MOST RECENT REVISION OF THIS SERVICE BULLETIN. INFORMATION CONTAINED HEREIN MAY BE SIGNIFICANTLY CHANGED FROM EARLIER REVISIONS. FAILURE TO COMPLY WITH THIS 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 PLANE-POWER WEBSITE, [WWW.PLANEPOWER.AERO](http://WWW.PLANEPOWER.AERO), FOR THE MOST RECENT REVISION LEVEL OF THIS ALERT SERVICE BULLETIN.

#### B. Concurrent Requirements

- (1) None

#### C. Reason

- (1) HET has discovered that the alternator listed in section 1.A could contain an improper rotor shaft and spacer configuration. The improper configuration has the potential to reduce the effectiveness of the shaft nut locking system.
- (2) This ASB is to advise the field of a known condition and to supply inspection criteria to identify the affected alternator.

# ALERT SERVICE BULLETIN

## ALERT SERVICE BULLETIN No. 078

### Alternator Inspection

#### D. Description

- (1) This Alert Service Bulletin provides Instructions for Continued Airworthiness (ICA).

#### E. Compliance

- (1) Compliance with section 3.A of this ASB is required **prior to next flight**.
- (2) Compliance with the Accomplishment Instructions is the terminating action for this ASB.

#### F. Approval

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

#### G. Manpower

- (1) Up to two (2.0) hours labor for removal and replacement of the affected alternator.

#### H. References

- (1) Applicable Aircraft Service Instructions or Maintenance Manual.
- (2) Applicable Aircraft AFM or POH.
- (3) Applicable Continental Aerospace Technologies engine Installation & Operation Manual.
- (4) Applicable Continental Aerospace Technologies engine Maintenance/Overhaul Manual and service publications.

#### I. Weight and Balance

- (1) No Change

## 2. Material Required

- A. One (1) ES-10024 series (Continental P/N 656802) alternator not affected by this ASB.

## 3. Accomplishment Instructions

**WARNING 1:** THIS PROCEDURE MUST BE PERFORMED BY COMPETENT AND QUALIFIED PERSONNEL WHO ARE FAMILIAR WITH THE AIRFRAME AND ENGINE SYSTEM MAINTENANCE. FAILURE TO DO SO MAY RESULT IN PHYSICAL INJURY, EQUIPMENT DAMAGE AND/OR ECONOMIC LOSS.

# **ALERT SERVICE BULLETIN**

## **ALERT SERVICE BULLETIN No. 078**

### **Alternator Inspection**

**WARNING 2:** DO NOT USE OBSOLETE OR OUTDATED INFORMATION. PERFORM ALL INSPECTIONS OR WORK IN ACCORDANCE WITH THE MOST RECENT REVISION OF THIS SERVICE BULLETIN. INFORMATION CONTAINED HEREIN MAY BE SIGNIFICANTLY CHANGED FROM EARLIER REVISIONS. FAILURE TO COMPLY WITH THIS 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 PLANE-POWER WEBSITE FOR THE MOST RECENT REVISION LEVEL OF THIS ALERT SERVICE BULLETIN, WWW.PLANEPOWER.AERO.

**CAUTION:** REFER TO THE APPLICABLE MANUFACTURER'S MAINTENANCE MANUALS OR SERVICE INSTRUCTIONS TO GAIN ACCESS TO THE AIRFRAME OR ALTERNATOR. IN ADDITION, ANY PREFLIGHT OR IN-FLIGHT OPERATIONAL CHECKS REQUIRE USE OF THE APPROPRIATE AFM OR POH.

#### A. Inspection

- (1) If previous compliance cannot be verified through aircraft or engine maintenance records, use the same references to determine if an affected alternator has been installed. Refer to section 1.A, Effectivity.
- (2) If effectivity of the alternator cannot be established using aircraft or engine maintenance records, utilize the applicable aircraft maintenance manual to gain access to the alternator and inspect the alternator serial number against the affected serial number found in section 1.A of this ASB.
  - (a) If the alternator serial number is affected per section 1.A, continue to 3.B. - Corrective Action.
  - (b) If Alternator serial number is not affected per section 1.A, continue to 3.C. - Return to Service.

#### B. Corrective Action

- (1) Remove the alternator from the engine in accordance with the latest revision of the aircraft and/or engine manufacturer's maintenance manual.
- (2) Return affected alternator to Continental Aerospace Technologies for replacement.
- (3) Utilizing the applicable aircraft and/or engine manufacturer's maintenance manuals, install an alternator assembly not affected by this ASB and proceed to 3.C. - Return to Service.

#### C. Return to Service

- (1) Close all access doors and covers opened to gain access to the alternator in accordance with applicable airframe and/or engine maintenance manual.

# ALERT SERVICE BULLETIN

ALERT SERVICE BULLETIN No. 078

## Alternator Inspection

Plane-Power Alternator P/N	Continental Alternator P/N	Engine Make	Engine Model/Series
ES-10024	656802	Continental	IO-550-A, -B, -C, -D, -E, -F, -G, -L, -N, -P, -R
			IOF-550-B, -C, -D, -E, -F, -L, -N, -P, -R

**Table 1 - Alternator / Engine Effectivity**

#### 4. Contact Information

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

(1) Phone +1.334.386.5400 (Option 2)

(2) Fax +1.334.386.5450

(3) E-mail at [techsupport@HartzellEngineTech.com](mailto:techsupport@HartzellEngineTech.com)

(4) Address

Hartzell Engine Technologies LLC - ATTN: Product Support  
2900 Selma Highway  
Montgomery, AL 36108  
USA

# Service Bulletin Appendix

## Service Bulletin No. 078

### Alternator Inspection

#### 1. Eligibility:

- A. Plane-Power alternator P/N ES-10024, Continental Aerospace Technologies (CAT) P/N 656802, manufactured by Hartzell Engine Technologies (HET) are affected by Alert Service Bulletin (ASB) 078.
  - (a) Alternators with P/N ES-10024 (CAT P/N 656802) shipped between 19 February 2019 and 26 April 2019 are affected by ASB 078.
- B. The following serial number is affected by this ASB 078:  
H-T021093

#### 2. Commercial Assistance Program:

The following will be provided with the submission of a completed ASB 078 Claim Form, copies of invoices showing breakdown of material and labor charges, and log book entries. **Any commercial assistance or other consideration shall expire twelve (12) calendar months from the original published date of Alert Service Bulletin No. 078.**

- A. Required material listed in section 2.A of ASB 078.
- B. Labor for inspection, removal, & installation compliance with ASB 078 on affected alternator will be paid at a shop rate of \$75 an hour up to the amount specified below:
  - (1) Up to one half (0.5) man-hour for inspection of affected alternators.
  - (2) Up to two (2.0) man-hours of labor are needed for removal and installation of the alternator.

#### 3. Commercial Assistance ADMINISTRATION:

- A. Complete the Service Bulletin ASB 078 Claim Form attached to this appendix.
  - (1) Mail, e-mail, or fax the ASB 078 Claim Form to the attention of Product Support as indicated on the Alert Service Bulletin Claim Form.
- B. Upon receipt of the Alert Service Bulletin Claim Form, Hartzell Engine Technologies LLC HET will:
  - (1) Ship the required material in accordance with section 2.A to the service provider indicated.
  - (2) The service provider must return proof of service within thirty (30) days or the service provider shall be invoiced for the HET supplied materials.
- C. For labor charges:
  - (1) Aircraft/engine service facility or owner must submit an invoice up to the amount specified in section 2, copies of logbook entries, and a completed ASB 078 Claim Form for reimbursement (*May be a copy of the original form provided*).

# Service Bulletin Appendix

## Alert Service Bulletin No. 078

### Alternator Inspection

#### 4. WARRANTY STATEMENT:

- A. The sole warranty for the actions of ASB 078 are contained in the HET Limited Warranty Policy issued with the purchase of each new/overhauled alternators (see terms and conditions therein).
- B. Commercial assistance may apply as stated in this Appendix.
- C. Issuance of ASB 078 in no way constitutes an implied or expressed warranty of any kind.
- D. This publication does not imply or state any responsibility for the workmanship of any person or entity performing work or maintenance on the engine or aircraft electrical system.

#### 5. CONTACT INFORMATION:

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

- (1) Phone +1.334.386.5400 (Option 2)
- (2) Fax +1.334.386.5410.
- (3) E-mail at [techsupport@HartzellEngineTech.com](mailto:techsupport@HartzellEngineTech.com).
- (4) Address

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

# Alert Service Bulletin Appendix

## Alert Service Bulletin No. 078

### Alternator Inspection

#### ASB 078 CLAIM FORM

#### Owner information

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Tel: \_\_\_\_\_ Fax: \_\_\_\_\_

Company Name: \_\_\_\_\_ E-mail: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Postal Code: \_\_\_\_\_

Country: \_\_\_\_\_

#### Aircraft/Engine Service Facility information

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Tel: \_\_\_\_\_ Fax: \_\_\_\_\_

Company Name: \_\_\_\_\_ E-mail: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Postal Code: \_\_\_\_\_

Country: \_\_\_\_\_

Aircraft Mfg: \_\_\_\_\_ Model: \_\_\_\_\_ Time in Service: \_\_\_\_\_ S/N: \_\_\_\_\_

Engine: \_\_\_\_\_ Model: \_\_\_\_\_ Time in Service: \_\_\_\_\_ S/N: \_\_\_\_\_

#### Component Information

Nomenclature: Alternator \_\_\_\_\_ Part Number: \_\_\_\_\_

Serial Number: \_\_\_\_\_ (Alternator) Date Removed: \_\_\_\_\_

Part Time in Service: \_\_\_\_\_ (Alternator) Original Date Installed: \_\_\_\_\_

For RMA Number

Send this ASB 078 Claim Form to:

Hartzell Engine Technologies Product Support

Fax: +1.334.386.5410

E-mail: techsupport@hartzellenginetech.com

#### **RMA Number:**

(write in HET assigned RMA number)

**Hartzell Use Only - do not write below this line.**

Warranty No: \_\_\_\_\_ Authorized by: \_\_\_\_\_

