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MANDATORY

SERVICE BULLETIN

DATE: August 5, 2026 Service Bulletin No. 670
SUBJECT: E-MAG Spark Plug Adapter Inspection,
Hartzell Engine Tech (HET) Alert Service Bulletin No.232
MODELS AFFECTED: All experimental Lycoming Engines using E-MAG ignition systems shipped
before June 1, 2026
TIME OF COMPLIANCE: Before next flight.

This Service Bulletin provides Instruction for Continued Airworthiness (ICA).

NOTICE: Incomplete review of all the information in this document can cause errors. Read the entire Service Bulletin to make sure you have a complete understanding of the requirements.

This Mandatory Service Bulletin (MSB) transmits HET Alert Service Bulletin No. 232 to ensure that owners, operators, and maintenance providers of Lycoming engines are aware of the necessity to inspect and replace affected E-MAG Spark Plug Adapters.

HET Service Bulletin No. 232 lists affected HET Spark Plug Adapter P/N's in Table 1 and affected HET Spark Plug Adapter Kit P/N's in Table 2. Affected Lycoming Spark Plug Adapter P/N's are as follows: 02E28852-Y, 02E28853-Y, 02E31133-Y, and 02E31134-Y.

Lycoming is requiring that all operators follow the Required Action below to determine if their installed Spark Plug Adapters or Spark Plug Adapter Kits must be replaced.

Required Action

1. Determine whether you have any of the affected Spark Plug Adapters installed on your Lycoming engine, affected field spares, or affected Spark Plug Adapter Kits.
2. If affected, inspect and comply in accordance with HET ASB No. 232.
3. Removal and reinstallation of the Spark Plug Adapters (if required) must be performed in accordance with the appropriate engine maintenance manual, overhaul manual, or applicable Instructions for Continued Airworthiness (ICA).
4. Record any repair activity and compliance with this MSB in the engine maintenance records.

Hartzell Engine Technologies Alert Service Bulletin No. 232 dated July 01, 2026 is reprinted in its entirety as follows and is current at the time Lycoming Service Bulletin 670 is issued. However, compliance with this Service Bulletin is to be in accordance with the latest revision of the Hartzell Engine Technologies Alert Service Bulletin No. 232.

If you have any questions, contact Lycoming Technical Support by phone at 570-327-7222 or 877-839-7878 or by email to Technicalsupport@lycoming.com.



General Aviation
Manufacturers Association

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Alert Service Bulletin

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E-MAG Spark Plug Adapter Inspection

PowerUp™ is a trademark of Hartzell Engine Tech LLC

1. Planning Information

A. Effectivity

- (1) E-MAG spark plug adapters marked "E-MAG" shipped by Hartzell Engine Tech LLC (HET) between 02/01/2026 and 05/30/2026 are affected by this Alert Service Bulletin (ASB).
- (2) E-MAG spark plug adapters shipped as part of a kit and within the effective dates above are affected by this ASB.
 - (a) See Table-1 for affected adapter P/Ns and Table- 2 for affected kit P/Ns.

WARNING: 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 HEREIN 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 WWW.POWERUPIGNITION.AERO FOR THE MOST RECENT REVISION LEVEL OF THIS SERVICE BULLETIN.

B. Concurrent Requirements

- (1) None

C. Reason

- (1) HET has discovered that a number affected spark plug adapters were found to be undersized at the external thread major diameter.
 - (a) This condition may cause the spark plug adapter to lose torque and/or dislodge from the cylinder during engine operation.

D. Description

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

E. Compliance

- (1) Prior to next flight:
 - (a) Comply with Section 3., Accomplishment Instructions, of this ASB.
- (2) All field spares must be inspected and identified prior being placed into service.

F. Approval

- (1) The technical content of this ASB is approved by Hartzell Engine Tech LLC.

Rev. New: 01 July 2026

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G. References

- (1) Applicable engine maintenance manual and service instructions.

H. Other Publications Affected

- (1) None

I. Weight and Balance

- (1) No Change

2. Material Required

- (1) One (1) new spark plug adapter per adapter removed and found out of tolerance IAW § 3.C.1.
- (2) One (1) new spark plug gasket, HET P/N 82A50, per affected spark plug adapter removed (Included in kits listed in Table 2).

TABLE-1 - Spark Plug Adapter P/N Effectivity

Adapter P/N	Description
EMC00101	SPARK PLUG ADAPTER, SHORT
EMC00201	SPARK PLUG ADAPTER, LONG
EMC00301	SPARK PLUG ADAPTER, LONG EXTENDED

TABLE-2 - Spark Plug Adapter Kit P/N Effectivity

EMA73001K	EMB60301K	EMC01101K
EMA74001K	EMB60401K	EMC01201K
EMB60301K	EMB60501K	EMC01301K

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3. Accomplishment Instructions

CAUTION 1: 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 MAINTENANCE MANUAL. INFORMATION CONTAINED IN THESE MANUALS OR THIS SERVICE BULLETIN 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 POWERUP WEBSITE (WWW.POWERUPIGNITION.AERO) FOR THE MOST RECENT REVISION LEVEL OF THIS SERVICE BULLETIN.

CAUTION 2: DO NOT DEPEND ON THIS SERVICE BULLETIN FOR GAINING ACCESS TO THE ENGINE OR MAGNETOS. ACCESS REQUIRES THE USE OF THE APPLICABLE MANUFACTURER'S MAINTENANCE MANUALS OR SERVICE INSTRUCTIONS. IN ADDITION, ANY PREFLIGHT OR IN FLIGHT OPERATIONAL CHECKS REQUIRE USE OF THE APPROPRIATE AFM OR POH.

A. Spark Plug Adapter Identification

- (1) Gain access to the spark plug adapters IAW applicable aircraft engine maintenance manual and service instructions.
- (2) Inspect each spark plug adapter IAW Figures 1 thru 4.
 - (a) Spark plug adapters stamped "HET" are **not affected** by this ASB. Continue to § 3.E. Maintenance Record.
 - (b) Spark plug adapters stamped "E-MAG" are **affected** by this ASB.
 - 1) If any adapter P/N is affected, continue to § 3.C., Corrective Action.
 - 2) If none of the adapter P/Ns are affected, continue to § 3.E., Maintenance Record.

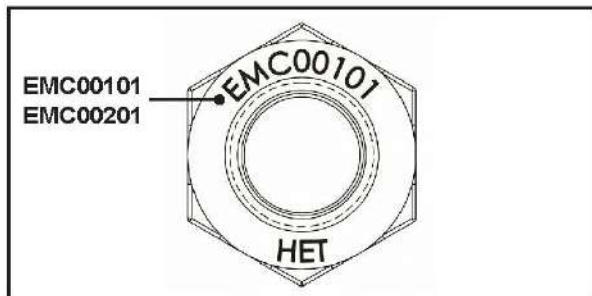


Figure 1 - Spark Plug Adapter Identification
(HET) EMC00101 & EMC00201 - NOT AFFECTED

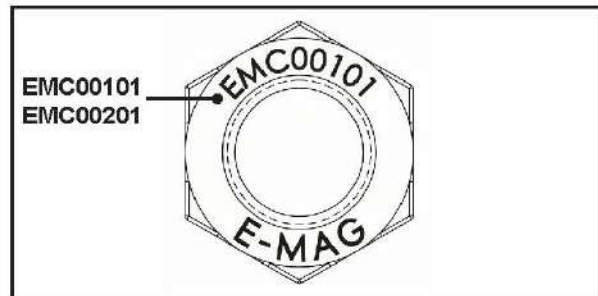


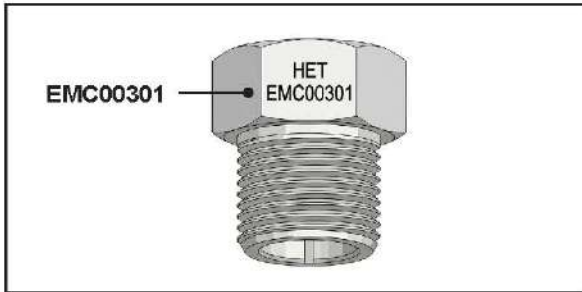
Figure 2 - Spark Plug Adapter Identification
(E-MAG) EMC00101 & EMC00201 - AFFECTED

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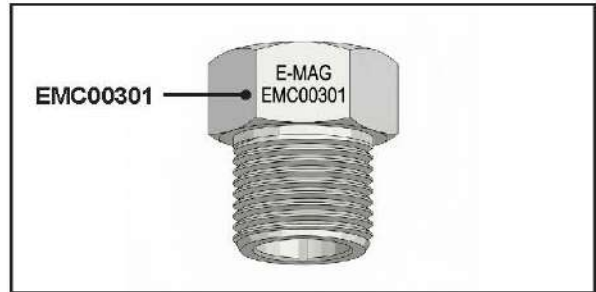
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**Figure 3 - Spark Plug Adapter Identification
(HET) EMC00301 - NOT AFFECTED**



**Figure 4 - Spark Plug Adapter Identification
(E-MAG) EMC00301 - AFFECTED**

B. Field Spares

- (1) For affected field spare spark plug adapters, inspect per § 3.C.(1). Return all rejected adapters to HET through the Commercial Appendix found herein.

C. Corrective Action

(1) Spark Plug Adapter Inspection

(a) For each affected spark plug adapter:

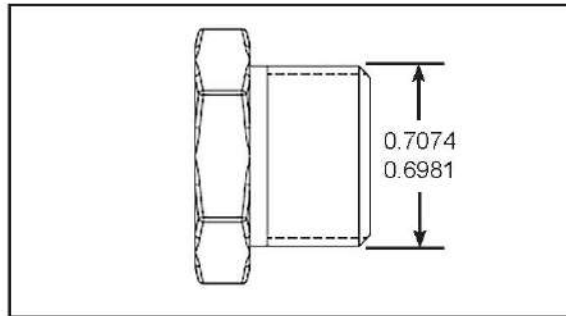
- 1) Disconnect the harness lead from the spark plug.
- 2) Use correct size spark plug socket to remove the spark plug.
- 3) Using a 7/8 in. socket, remove the spark plug adapter from the cylinder.
 - a) If the adapter remains attached to the spark plug, use a 7/8 in. socket to hold the spark plug adapter, then use a spark plug socket to separate the spark plug from the adapter.
- 4) Using calipers, measure the external thread major diameter of the spark plug adapter (See Figure 5):
 - a) Measurement must be within 0.6981 - 0.7074 (17.73 – 17.97mm).
 - b) If the spark plug adapter measurement is within tolerance, continue to step 5.
 - c) If the measurement is found out of tolerance, replace the spark plug adapter with a new adapter that is not affected by this ASB. Continue to step 6.
- 5) Clean the spark plug adapter threads of sealants, lubricants, or other materials using a nylon bristled brush and solvents.
- 6) Apply Permatex® 09128 Copper Anti-Seize Lubricant, or equivalent, to the external threads of the adapter.
- 7) Install the spark plug adapter hand tight to the spark plug.
- 8) Install the spark plug/adapter assembly into cylinder with a new spark plug gasket.
- 9) Torque only the spark plug (not the adapter) to 18-20 ft-lbs (24.4-27.1 N·m).
- 10) Repeat corrective action for remaining affected spark plug adapters.

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**Figure 5 - Spark Plug Adapter Thread
Major Diameter**

D. Return to Service

- (1) Perform the recommended magneto system set up and functional tests in accordance with the appropriate aircraft maintenance manual, engine service instructions, and operational tests in the AFM or POH.

E. Maintenance Record

- (1) For terminating action, make an engine logbook entry to indicate compliance with this Alert Service Bulletin.

4. Contact Information

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

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

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

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Alert Service Bulletin Appendix

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E-MAG Spark Plug Adapter Inspection

1. ELIGIBILITY:

- (1) E-MAG spark plug adapters marked "E-MAG" shipped by Hartzell Engine Tech LLC (HET) between 02/01/2026 and 05/30/2026 are affected by Alert Service Bulletin (ASB) 232.
- (2) E-MAG spark plug adapters shipped as part of a kit and within the effective dates above are affected by ASB 232.
- (3) For affected field spare spark plug adapters, inspect per § 3.C.(1) of ASB 232. Return all rejected adapters to HET.

2. COMMERCIAL ASSISTANCE PROGRAM:

The following will be provided with the submission of a completed ASB 232 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. 232.**

A. Spark Plug Adapter Replacement

- (1) For field replacement of spark plug adapters HET will provide:
 - (a) Materials Required can be found in ASB 232 Section 2.
 - 1) Contact HET Product Support for Kit availability.

3. COMMERCIAL ASSISTANCE ADMINISTRATION:

A. Complete the Alert Service Bulletin ASB 232 Claim Form attached to this appendix.

- (1) Mail, e-mail, or fax the ASB 232 Claim Form to the attention of Product Support as indicated on the Claim Form.

B. Upon receipt of the Alert Service Bulletin Claim Form, HET will:

- (1) If required by the Alert Service Bulletin, ship the material required by Section 2.A, to the service provider indicated.

4. WARRANTY STATEMENT:

- A. The sole warranty for the actions of ASB 232 are contained in the HET Limited Warranty Policy issued with the purchase of each new/overhauled fuel pumps (see terms and conditions therein).
- B. Commercial assistance may apply as stated in this Appendix.
- C. Issuance of ASB 232 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 fuel system.

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5. CONTACT INFORMATION:

A. Contact **HET Product Support** for all communications regarding the technical content of Alert Service Bulletin 232.

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

Hartzell Engine Tech LLC
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Montgomery, AL 36108
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ASB 232 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: _____

Payment Information

Same as Owner: ☐ Same as Facility: ☐ Other: ☐ _____ Name
_____ Address

Component Information

Nomenclature: _____ Part Number: _____
Serial Number: _____ Date Removed: _____
Part Time in Service: _____ Original Date Installed: _____

For RMA Number

Send this ASB 232 Claim Form to:
Hartzell Engine Tech Product Support
Fax: +1.334.386.5450
E-mail: techsupport@hartzell.aero

Hartzell Use Only - do not write below this line.

RMA Number:

(write in HET assigned RMA number)

Warranty No: _____ Authorized by: _____

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