

SERVICE BULLETIN SB-012**August 7th, 2026**

Procedures specified in this service bulletin must be accomplished in accordance with accepted methods of aircraft maintenance and applicable government regulations. Appropriate logbook entries must be made.
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TO: Aircraft Owners and Operators, Engine Overhaul Facilities, Engine Maintainers, Engine Manufacturers

SUBJECT

This Service Bulletin describes a potential cracking problem in specific lot numbers of Tempest[®] Spark Plugs manufactured between May 5, 2026 and July 29, 2026. It recommends immediate inspection of the affected spark plugs prior to your next flight and replacement of any cracked spark plugs. No action is required for Tempest[®] Spark Plugs purchased prior to May 5, 2026.

REASON

There have been limited reports of spark plugs exhibiting cracks. Failure to detect and replace a cracked spark plug could potentially result in damage to the airplane engine and possible loss of power.

SCOPE

This Service Bulletin applies to all Tempest[®] spark plugs bearing the part numbers and corresponding lot codes listed in Table 1 (page 2), regardless of date of installation, engine model, or airframe application. This is the original issue of SB-012.

BACKGROUND

There have been field reports of cracks in Tempest[®] spark plugs. The area of damage is shown in Figures 1 & 2.

This condition has not previously been observed or reported in our production history. Upon notification of the issue, Tempest Aero Group initiated an investigation and identified the root cause. Tempest Aero Group has implemented the necessary corrective action to the manufacturing and inspection processes and is issuing this Service Bulletin to address any affected in-service spark plugs.



Figure 1

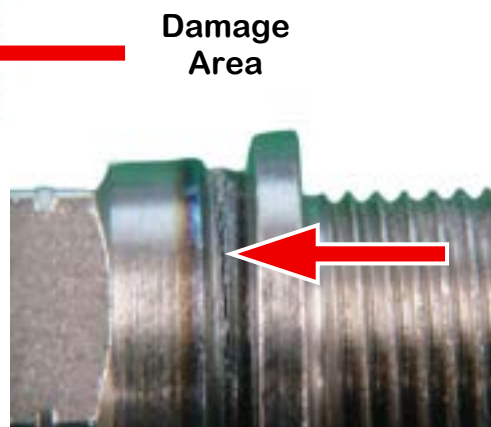


Figure 2

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PART NUMBERS AFFECTED

Table 1 below contains potentially affected lot codes.
Confirmed cracks have been identified in boxed lot codes.

Part Number	Lot Number
UREB36S	1UJM
UREB37E	1VA1
UREM37BY	1UJG, 1UY9
UREM38E	1UVU, 1VGM, 1VX7
UREM38S	1U6U, 1VU5
UREM40E	1V42, 1VYR, 1V8X
URHB32E	1VA3, 1VF6
URHB32HS	1U70
URHB32S	1UJH
URHB36S	1UJL, 1V7R
URHB37E	1VGN
URHM38E	1UHG, 1UNL
URHM38S	1U6W
URHM40E	1V39, 1VRC

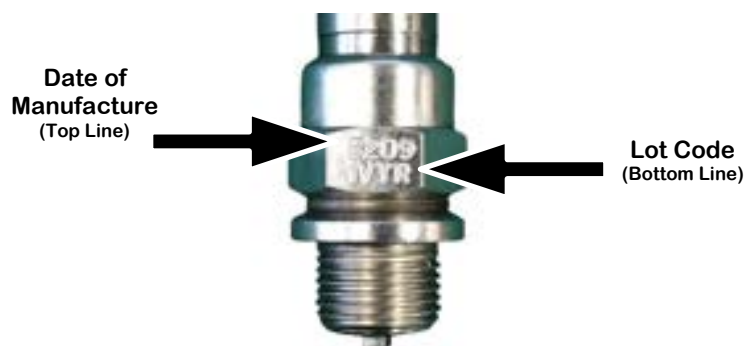


Figure 3

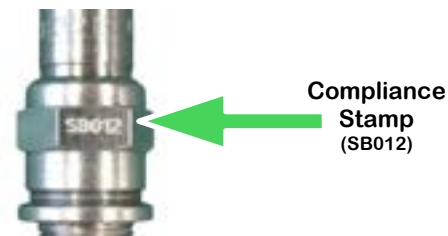


Figure 4

IDENTIFICATION METHODS

Visually inspect the spark plug for lot code per Figure 3. The lot code is stamped on the hex of the spark plug body as shown. Compare the stamped lot code to the affected part numbers and lot numbers listed in Table 1. Physical inspection of spark plugs is required. Remove from engine as required to confirm part number a lot code.

COMPLIANCE

Tempest strongly recommends immediate compliance with this Service Bulletin prior to any further flights.

Inspections and maintenance must be accomplished in accordance with any applicable aviation regulations, aircraft maintenance manuals, engine manuals, and Tempest® Spark Plugs Installation and Maintenance Manual document 1710A Revision E (or later).

ESTIMATED COMPLIANCE TIME

Estimated time to accomplish this Service Bulletin is 1.5 hours for 4-cylinder engines and 2 hours for 6-cylinder engines including removal, inspection, and reinstallation. Actual time may vary by aircraft/engine installation.

APPROVAL

Technical portions are FAA approved.



Tempest Aero Group
2208 Air Park Drive
Burlington, NC 27215
800.822.3200 (Toll Free)
336.449.5054 (Outside USA)

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INSTRUCTIONS

1. Determine if a spark plug is included in the affected lots (Table 1) using a visual inspection as shown in Figure 3 or by referencing an FAA 8130 from the latest spark plug installation as shown in Figure 5.
2. If no affected spark plugs are found to be installed or in inventory, make a log entry in the aircraft's maintenance records noting compliance with this Service Bulletin and stating that no affected spark plugs were discovered.
3. If an affected spark plug is found to be installed, remove the affected spark plug(s) from the engine and visually inspect for cracks as shown in Figures 1 and 2. Similarly, inspect any affected spark plugs in inventory.
4. If no cracks are found, reinstall spark plug(s), return the aircraft to service via the appropriate maintenance manuals and make a log entry noting compliance with this Service Bulletin.
5. If cracks are found, replace the spark plug(s). If replacing with new Tempest® spark plug(s), verify the new spark plugs carry compliance stamp SB012 as shown in Figure 4 or are outside the part number and lot numbers listed in Table 1 above.
6. Return the aircraft to service via the appropriate maintenance manuals and make a log entry noting compliance with this Service Bulletin.

1. Approving Co. Executive Authorized Country FAA: UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: 152127	
4. Organization Name and Address: Aero Accessories, LLC - 2208 Air Park Drive - Burlington NC 27215 FAA-PMA P01206CE TV#R588M						5. Page 1 of 1	
6. Item 1	7. Description See Block 12	8. Part Number See Block 12	9. Quantity See Block 12	10. Serial Number Not shown 12	11. Status - Work RCD		
12. Remarks PARTS LISTED ARE NOT CRITICAL COMPONENTS.							
Quantity: 200		Description: 56-24 TH READ-MA-SERVICE ELECTRODE	Part Number: URM5M78BY	Serial # or Lot # 10/7K			
13a. Certifies the items described above were manufactured in conformity to: ☒ Approved design data and are in condition for safe operation ☐ Non-approved design data specified in block 12							
13b.		13c.					
13d.		13e. Date (dd/mm/yyyy) 23/Aug/2026					
14. I, the undersigned, certify that the execution of this document is not automatically a release and only to the extent of the release is specifically stated. Where the said release pertains solely to the undersigned, my belief of such release is not different from the direct legal authority of the country specified in 1. To the extent of the release, I am not responsible for the safety of the aircraft or its operation. I am not responsible for the safety of the aircraft or its operation. Signature in blocks 13d and 13e do not constitute a release certificate. It is the responsibility of the undersigned to ensure the release is specifically stated in the release certificate and to the extent of the release is specifically stated in the release certificate.							

FAA Form 8130-3 (20-14)

Figure 5



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Burlington, NC 27215
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RETURN OF PARTS

Our top priority is to get customers back flying. Please reach out to the SB012 Customer Service Hotline at 336-551-2182 with confirmation of lot code to request replacement spark plugs upon identifying cracks.

Cracked spark plugs must be returned directly to Tempest Aero Group. Reasonable labor costs to remove and replace spark plugs affected by this Service Bulletin and shipping costs to return product will also be reimbursed to the customer. By receiving replacement spark plugs in advance, customer agrees to return cracked spark plugs within 30 days. Failure to do so could result in billing for provided replacement spark plugs.

Tempest Aero Group
ATTN: SB-012 Compliance
2208 Airpark Drive
Burlington, NC 27215.

Please fill out the attached replacement form contained in Appendix 1 and submit along with a copy of completed logbook entry, labor invoice, and shipping receipts to SB012@tempestaero.com. Alternatively, you can fill out the form and upload the log entry, labor invoice, and shipping receipts at <https://aeroaccessories.com/SB012reimbursementform>. Reimbursement will be processed within 30 days of receipt of cracked spark plugs and completed form. Failure to complete form could result in delays with payment processing.

POINT OF CONTACT

To request replacement product or for questions related to returns or return processing/status, please contact the SB012 Customer Service Hotline at 336-551-2182.

For technical questions regarding this Service Bulletin, please contact SB012 Technical Support Hotline at 336-551-2183 or email the SB012 Technical Support Team at SB012@tempestaero.com.

DISTRIBUTION

This service bulletin has been distributed to various aviation publications and to all customers for whom Tempest Aero Group has sales records indicating the purchase of affected parts. All Tempest Aero Group bulletins may be found at www.tempestaerogroup.com. Please forward this urgent information to the current owner or operator of the affected aircraft. All persons are free to copy this information if it is copied in its entirety with no alterations or additions.

Tempest® Spark Plugs are manufactured under PMA held by Aero Accessories, LLC.



SPARK PLUG REIMBURSEMENT CLAIM FORM

Tempest Aero Group | A Victor Sierra Company

SUBMITTED BY

☐ Maintenance Facility

☐ Aircraft Owner / Operator

Name _____ Phone _____

Address _____

City _____ State _____ Zip _____ Email _____

PART INFORMATION

Spark Plug Part Number(s) (check all that apply)

☐ UREB36S ☐ UREB37E ☐ UREM37BY ☐ UREM38E ☐ UREM38S ☐ UREM40E ☐ URHB32E
☐ URHB32HS ☐ URHB32S ☐ URHB36S ☐ URHB37E ☐ URHM38E ☐ URHM38S ☐ URHM40E

Number of Spark Plugs Returned _____

PURCHASE INFORMATION

Date Purchased _____ Purchase Location (retailer/distributor, city/state, or website) _____

RETURN SHIPMENT INFORMATION

Return Tracking Number _____

LOT NUMBER(S) RETURNED

Lot Number 1 _____ Lot Number 2 _____ Lot Number 3 _____

AIRCRAFT INFORMATION

Aircraft Registration (N-Number) _____ Engine Make & Model _____

REIMBURSEMENT PREFERENCE

☐ Check ☐ Credit with McFarlane Aviation

CERTIFICATION

Signature (type full name) _____

Date _____

☐ I certify that the information provided above is true and accurate.