

UNCLASSIFIED

MSG DTG 231815Z JUN 10

FROM COMMANDER, AMCOM, REDSTONE ARSENAL, AL //AMSAM-SFA//

**SUBJECT - AVIATION MAINTENANCE ACTION MESSAGE (AMAM),
MAINTENANCE MANDATORY, ALL OH-58D SERIES AIRCRAFT,
HYDROMECHANICAL UNIT METERING HEAD REGULATOR COVER BOLTS,
H-58-10-AMAM-13**

NOTE

This message is NOT for dissemination to any office or individual outside the US Government or US Government supporting agencies without the approval of the AMCOM Commander.

NOTE

This message is effective until rescinded or superseded.

NOTE

This message is issued IAW AR 750-6 and has not been officially transmitted to units subordinate to addressees. Commanders of Army Commands (AC), Army National Guard (ARNG), United States Army Reserve (USAR), Army Service Component Commands (ASCC), and Direct Reporting Units (DRU) will immediately retransmit this message to all subordinate units, activities or elements affected or concerned, and immediately confirm this re-transmittal by notification to the AMCOM SOF Compliance Officer at "safeadm@conus.army.mil".

NOTE

Commanders or Directors (not lower than the grade of Major General or civilian equivalent) of ACs, ARNG, USAR, ASCCs, and DRUs may authorize temporary exception from message requirements IAW AR 750-6, para 2-9. Exception may only occur when combat operations, matter of life or death in civil disasters, or other emergencies, are so urgent that they override the consequences of continued aircraft operation.

NOTE

Commanders unable to comply with the requirements of this message within the time frame specified will change the affected aircraft status symbol to a Red //X//.

NOTE

Commanders, Facility Managers, and Contractors at all

levels, to include DD 250 aircraft, will not issue aircraft until they are in compliance with this message.

NOTE

A listing of published safety messages, to include TAMMS Reports, Inspection Reports, and any Supplements/Addendums required by this message can be downloaded at: "<https://asmprd.redstone.army.mil>". This is a secure website which requires an Army Knowledge Online (AKO), "<https://www.us.army.mil>", user ID and password.

1. SUMMARY -

1.1. Background - Rolls-Royce Corporation has issued Commercial Engine Bulletin (CEB) 73-3128 informing customers of the possibility of fuel leakage at the parting line of the Metering Head Regulator (MHR) Cover to the Hydromechanical Unit (HMU) Housing. In most cases, no measurable leakage is found but wetting at the parting line is observed. It has been determined that in a majority of HMUs returned for repair/overhaul, one or more of the four bolts securing the MHR Cover to the Housing are insufficiently torqued. The allowable torque limits on the MHR Cover have been increased to prevent leakage.

1.2. Message Purpose -

1.2.1. Require a initial inspection for leakage of the HMU MHR Cover.

1.2.2. Require a onetime re-torque of the MHR Cover Bolts.

2. END ITEMS AFFECTED - All OH-58D series aircraft.

3. ASSEMBLIES/COMPONENTS/PARTS AFFECTED -Suspect

Assemblies/Components/Parts -

Nomenclature	PN	NSN
Fuel Control, Main,	23078057	2915-01-519-9146
Turbine Engine		

4. INITIAL AIRCRAFT TAMMS (THE ARMY MAINTENANCE MANAGEMENT SYSTEM) ENTRY -

NOTE

When complying with the requirements of this message, complete forms and records entries IAW DA PAM 738-751. ULLS-A units will use appropriate "E" forms.

Upon receipt of this message, make the following entry on DA Form 2408-13-1. Enter a Red Horizontal Dash // - // status symbol with the following statement: "Comply with requirements of H-58-10-AMAM-13 at [####.#] aircraft hours but

NLT 7 JUL 10." Calculate [####.#] as current aircraft hours plus 10 hours.

5. COMPLIANCE REPORTING REQUIREMENTS -

NOTE

Report compliance with this message, as defined below, via the AMCOM Message Tracking System (AMTRACKS) at "<https://amtracks.redstone.army.mil>". Unit personnel designated to submit compliance reports, that have not registered with AMTRACKS, must establish a profile at this web site before submitting their compliance reports.

5.1. Aircraft Initial Compliance Report - Submit Initial Compliance Report via AMTRACKS NLT 10 JUL 10 IAW AR 750-6. The Initial Compliance Report consists of the Aircraft SN, MDS, Date of Initial TAMMS Entry, and Inspection Results/Comments (enter "PASS" or "FAIL").

5.2. Aircraft Final Compliance Report - Submit Final Compliance Report via AMTRACKS within three (3) days of the inspection but NLT 11 SEP 10 IAW AR 750-6. This report will include the Date Replaced (if HMU does NOT require replacement, enter the TAMMS Entry Date), and check the box "Entered on DA Form 2408-15".

5.3. Retail Stock Task/Inspection Compliance Report (Installation level and below) - N/A.

5.4. Wholesale Stock Task/Inspection Compliance Report (Including Depot Stock, Depot Maintenance and Single Stock Fund) - N/A.

6. SPECIAL PROVISIONS TO MESSAGE REQUIREMENTS (AIRCRAFT) -

Aircraft in Transit (Surface/Air Shipment/Ferry Status/Aircraft Away From Home Station) - Unit Commanders unable to comply with the requirement specified in para 4 may defer making the initial Aircraft TAMMS entry until arrival at final destination. Adjust the date in the TAMMS Entry to be NLT 14 days after arrival at destination.

7. TECHNICAL PROCEDURES/INSTRUCTIONS -

NOTE

This message includes a required Addendum. If the Addendum is not included with this message, it may be viewed/downloaded at "<https://asmprd.redstone.army.mil>". This is a secure website which requires an Army Knowledge Online (AKO), "<https://www.us.army.mil>", user ID and password.

NOTE

Unless otherwise stated, all Maintenance Tasks will be performed IAW TM 1-1520-248-23 (OH-58D) and/or TM 1-2840-263-23 (250-C30R/3)

- 7.1. Inspect the aircraft to determine the type of engine installed.
- 7.1.1. If a Rolls Royce 250-C30R/3 Engine is installed, proceed to para 7.2.
- 7.1.2. If the aircraft does not have a Rolls Royce 250-C30R/3 engine installed, the inspection is complete. Proceed to para 7.4.
- 7.2. Perform a visual inspection of the HMU MHR Cover Parting Line for evidence of fuel leakage/wetting. If required, use a mirror and flashlight.
- 7.2.1. If there is NO evidence of leakage/wetting, make the following entry on the DA Form 2408-13-1. Enter a Red Horizontal Dash //-// status symbol with the following statement: "HMU requires inspection IAW H-58-10-AMAM-13 at [####.#] aircraft hours but NLT 8 SEP 10." Calculate [####.#] as the aircraft hours at the next scheduled 100 Hour Engine Service. This inspection will be completed IAW para 7.3 of this AMAM.
- 7.2.2. If there IS evidence of leakage/wetting, make the following entry on the DA Form 2408-13-1. Enter a Red //X// status symbol with the following statement: "HMU unserviceable IAW H-58-10-AMAM-13." Remove and replace the HMU IAW TM 1-2840-263-23, Chapter 73-21-01, Section 21 - Hydromechanical Unit.
- 7.3. 100 HOUR ENGINE SERVICE HMU INSPECTION.
- 7.3.1. Gain access to the HMU by removing the Starter-Generator IAW TM 1-1520-248-23-4, Task 9-3-12, STARTER-GENERATOR-REMOVAL/INSTALLATION.
- 7.3.2. Locate the MHR Cover on the HMU as shown in Figure 1 of the Addendum. The Cover will be facing down when installed on aircraft.
- 7.3.3. Inspect the HMU MHR Cover for evidence of fuel leaking/wetting at the Parting Line of the MHR Cover to the HMU Housing.
- 7.3.3.1. If there is NO evidence of leakage/wetting, proceed to para 7.3.4.
- 7.3.3.2. If there IS evidence of leakage/wetting, replace the HMU IAW TM 1-2840-263-23, Chapter 73-21-01, Section 21 - Hydromechanical Unit.

WARNING

In the following step it is important that the Cover Bolts are not backed out by any amount. Bolts must be rotated in the CLOCKWISE direction only when facing the HMU.

7.3.4. Torque the MHR Cover Bolts to 34-38 in-lbs (3.85-4.30 N-m) in the sequence shown in Figure 2 of the Addendum IAW standard maintenance procedures.

7.3.5. Re-install Starter-Generator IAW TM 1-1520-248-23-4, Task 9-3-12.

7.4. Clear the initial entry from para 4 and note compliance on DA Form 2408-15.

8. PROCEDURES/INSTRUCTIONS FOR ASSEMBLIES/COMPONENTS/PARTS IN WORK OR IN STOCK (AT ALL LEVELS INCLUDING WAR RESERVES) - All items in stock will be inspected for serviceability and re-torqued as required by the Roll Royce Contractor Field Service Representative (CFSR) prior to issue.

9. SPECIAL TOOLS AND FIXTURES REQUIRED - N/A.

10. SUPPLY/PARTS (REQUISITION/DISPOSITION) -

10.1. Parts Required -

Nomenclature	PN/NSN	Qty	Cost ea.	Total \$
Fuel Control, Main,	23078057	1	\$79,194.00	\$79,194.00
Turbine Engine	2915-01-519-9146			
Total cost per aircraft =				\$79,194.00

10.2. Bulk and Consumable Materials - N/A.

NOTE

Project Code "X6S" (X-ray Six Sierra) is required to track and establish a data base of stock fund expenditures incurred by the field as a result of message actions.

10.3. Requisitioning Instructions - Requisition replacement parts using normal supply procedures. All requisitions shall use Project Code "X6S".

10.4. Disposition of Discrepant Parts/Components - Dispose of using normal supply procedures. All turn-in documents must include Project Code "X6S".

10.5. Disposition of Hazardous Material - N/A.

11. MAINTENANCE APPLICATION -

11.1. Category of Maintenance - AVUM.

11.2. Estimated Time Required -

11.2.1. Time to complete inspection - Total of 1.0 man-hour using 1 person.

NOTE

The time stated below does not include time for Maintenance Operational Checks or Maintenance Test Flights.

11.2.2. Time for repair/replacement - Total of 2.0 man-hours using 1 person.

12. PUBLICATION REQUIREMENTS -

- 12.1. References -
 - 12.1.1. AR 750-6.
 - 12.1.2. DA Pam 738-751.
 - 12.1.3. TM 1-1520-248-23.
 - 12.1.4. TM 1-2840-263-23.
 - 12.1.5. Rolls-Royce CEB 73-3128.
- 12.2. Publication Changes - N/A.

13. POINTS OF CONTACT -

- 13.1. Technical POCs -
 - 13.1.1. Primary - Mr. Skip Jackson (Avion), DSN 788-7157 or (256) 842-7157. Fax: DSN 788-6758 or (256) 842-6758. Email: "skip.jackson@us.army.mil".
 - 13.1.2. Alternate - Mr. Dennis Granger, DSN 897-2377 or (256) 313-2377. Fax: DSN 788-6758 or (256) 842-6758. Email: "dennis.granger@us.army.mil".
- 13.2. Project/Product Manager's (PM) Office POCs -
 - 13.2.1. Logistics (Primary) - Mr. Mike Kuenzli, DSN 897-4564 or (256) 313-4564. Fax: DSN 645-7125 or (256) 955-7125. Email: "michael.kuenzli@us.army.mil".
 - 13.2.2. Logistics (Alternate) - Mr. Chuck Wright, DSN 645-7077 or (256) 955-7077. Fax: DSN 645-7125 or (256) 955-7125. Email: "charles.d.wright1@us.army.mil".
 - 13.2.3. Engine Team Lead (IMMC) - MS. Linda King, DSN 897-1316 or (256) 313-1316. Fax: DSN 645-7125 or (256) 955-7125. Email: "linda.kay.king@us.army.mil".
- 13.4. Forms and Records POCs -
 - 13.4.1. Primary - Ms. Ann Waldeck, DSN 746-5564 or (256) 876-5564. Email: "ann.waldeck@conus.army.mil".
 - 13.4.2. Alternate - Mr. David Derbort, DSN 746-5151 or (256) 876-5151. Email: "david.derbort@conus.army.mil".
- 13.5. AMCOM Safety POCs -
 - 13.5.1. Primary - Mr. Harry Trumbull, DSN 897-2095 or (256) 313-2095. Email: "harry.trumbull@conus.army.mil".
 - 13.5.2. Alternate - Mr. Don Swallom, DSN 788-8641 or (256) 842-8641. Email: "donald.swallom@conus.army.mil".
- 13.6. After hours, contact the AMCOM Operations Center (AOC), DSN 897-2066/7 or (256) 313-2066/7.