

UNCLASSIFIED

MSG DTG 161830Z JUN 10

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

SUBJECT - AVIATION SAFETY ACTION MESSAGE (ASAM), MAINTENANCE MANDATORY, ALL OH-58D SERIES AIRCRAFT, TAIL ROTOR HANGER BEARING SUPPORTS, H-58-10-ASAM-03

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This message is effective until rescinded or superseded.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 - Several Category I Product Quality Deficiency Reports (CAT 1 PQDR) have reported cracked Tail Rotor (TR) Hanger Bearing Supports (i.e. Bearing Hanger Support). Analysis of cracked supports indicate a gap between the Hanger Bearing and the Support results in residual tension at the flanged area of the support leading to cracks in the support.

1.2. Message Purpose -

1.2.1. Inspect for and replace/repair suspect TR Hanger Bearing Supports.

1.2.2. Require TM changes.

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

3. ASSEMBLIES/COMPONENTS/PARTS AFFECTED -

3.1. Suspect Assemblies/Components/Parts -

Nomenclature	PN	NSN
Support, Structural Component, Acft	406-030-161-101	1560-01-363-4679
Support, Structural Component, Acft	406-030-122-103	1560-01-180-7649
Support, Structural Component, Acft	406-030-164-103	1560-01-375-0817
Support, Structural Component, Acft	406-030-165-101	1560-01-333-7323

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-ASAM-03 before [####.#] aircraft hours, but NLT 30 JUN 10." Calculate [####.#] as current aircraft flight hours plus 20 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 - All reporting requirements will be accomplished as part of the "Final Compliance Report".

5.2. Aircraft Final Compliance Report - Submit Final Compliance Report via AMTRACKS NLT 3 JUL 10 IAW AR 750-6. This report will include Aircraft SN, MDS, Date of Initial TAMMS Entry, and the Inspection Results (enter either "PASS" or "FAIL" as appropriate for each Support as indicated below), and check the box "Entered on DA Form 2408-15".

- Component #1 - Inspection Results (Hanger Bearing Support#3)
- Component #2 - Inspection Results (Hanger Bearing Support#4)
- Component #3 - Inspection Results (Hanger Bearing Support#5)
- Component #4 - Inspection Results (Hanger Bearing Support#6)

5.3. Retail Stock Task/Inspection Compliance - 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 and the Addendum.

NOTE

TM 1-1520-248-PPM, Preventive Maintenance Service (PMS), SEQ 7-7 requires Inspection of the TR Hanger Bearing Support Mounts for cracks and loose, damaged, or missing fasteners. This message is intended to re-enforce this requirement.

- 7.1. Open Aft TR Drive Shaft Covers.
- 7.2. Inspect TR Hanger Bearing Supports (4 ea) for evidence of cracking around the mounting area of the Hanger Bearing (Inboard and Outboard side).
 - 7.2.1. If NO cracks are detected, proceed to para 7.3.
 - 7.2.2. If cracks are confirmed, make the following entry on the DA Form 2408-13-1. Enter a Red "X" status symbol with the following statement: "Hanger Bearing Support, STA [###], unserviceable IAW H-58-10-ASAM-03." Replace [###] with the Fuselage Station of the suspect Hanger Bearing.
- 7.3. If no cracks are evident, remove cotter pin and loosen attachment hardware from Hanger Bearing to unload tension on the Hanger Support Flange to inspect for a gap IAW the Addendum to H-58-10-ASAM-03. **DO NOT** remove attachment hardware.
 - 7.3.1. If a gap IS found, proceed to para 7.4.
 - 7.3.2. If NO gap is found, re-torque mounting hardware, replace cotter pin, and proceed to para 7.5.
- 7.4. For each Hanger Bearing Support where a gap is identified, re-torque mounting hardware, replace cotter pin, and perform the following.
 - 7.4.1. Make the following entry on the DA Form 2408-13-1. Enter a Red Diagonal "/" status symbol with the following statement: "TR Hanger Bearing Support, STA [###], shimming required IAW H-58-10-ASAM-03 NLT 15 AUG 10."
 - 7.4.2. Make the following entry on the DA Form 2408-13-1. Enter a Red Horizontal Dash //-// status symbol with the following statement: "Inspect TR Hanger Bearing Support, STA [###], for cracks IAW H-58-10-ASAM-03." This inspection will be required prior to first flight of the day. After the inspection is completed the fault will be cleared. After the last flight of the day, re-enter on the DA Form 2408-13-1 until the Red Diagonal "/" status symbol required IAW para 7.4.1 of this ASAM has been cleared.
 - 7.4.3. For both the entries above, replace [###] with the Fuselage Station of the suspect Hanger Bearing.
- 7.5. 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) - N/A.

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

10. SUPPLY/PARTS (REQUISITION/DISPOSITION) -

10.1. Parts Required -

Nomenclature	PN/NSN	Qty	Cost ea.	Total\$
Support, Structural	406-030-161-101	1	\$72.13	\$72.13
Component, Acft	1580-01-363-4679			
Support, Structural	406-030-122-103	1	\$137.00	\$137.00
Component, Acft	1560-01-180-7649			
Support, Structural	406-030-164-103	1	\$240.80	\$240.80
Component, Acft	1560-01-375-0817			
Support, Structural	406-030-165-101	1	\$416.85	\$416.85
Component, Acft	1560-01-333-7323			

Total cost per aircraft = \$866.78

10.2. Bulk and Consumable Materials - Refer to the Addendum to H-58-10-ASAM-03.

NOTE

Project Code "X6Q" (X-ray Six Quebec) 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 "X6Q".

10.4. Disposition of Discrepant Parts/Components - Demilitarize/mutilate IAW TM 1-1500-328-23.

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 4.0 man-hours using 2 persons.

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 1-1520-248-PPM.

12.1.5. TM 1-1500-328-23.

12.2. Publication Changes - TM 1-1520-248-23 shall be changed to reflect shimming procedure IAW the Addendum to H-58-10-ASAM-03. A copy of this message will be used as authority to implement the change until the official TM change is received.

13. POINTS OF CONTACT -

13.1. Technical POCs -

13.1.1. Primary - Mr. Ahmad Kharofa (Avion Inc), DSN 788-1389 or (256) 842-1389. Fax: (DSN) 788-6758 or (256) 842-6758. Email: "ahmad.kharofa@us.army.mil".

13.1.2. Alternate - Mr. Lon Stanger, DSN 897-4304 or (256) 313-4304. Fax: DSN 788-6758 or (256) 842-6758. Email: "lon.stanger@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.wright@us.army.mil".

13.3. Wholesale Materiel POC (spares) - Mr. Mike Pennington, DSN 695-4187 or (804) 279-4187. Fax: DSN 695-5567 or (804) 279-5567. Email: "mike.pennington@dla.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. Foreign Military Sales POCs -

13.6.1. Primary - Mr. Tom Gibson, DSN 788-1077 or (256) 842-1077. Email: "thomas.b.gibson@us.army.mil".

13.6.2. Alternate - Mr. Robert Dubose, DSN 788-1068 or (256) 842-1068. Email: "robert.dubose@conus.army.mil".

13.7. After hours, contact the AMCOM Operations Center (AOC), DSN 897-2066/7 or (256) 313-2066/7.