

**UNCLASSIFIED**

**MSG DTG 211440Z NOV 11**

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

**SUBJECT - AVIATION MAINTENANCE ACTION MESSAGE (AMAM) ,  
MAINTENANCE MANDATORY, ALL OH-58D SERIES AIRCRAFT,  
MAIN ROTOR YOKE BUSHINGS, H-58-12-AMAM-01**

**NOTE**

This message is effective until rescinded or revised.

**NOTE**

This message is issued IAW AR 750-6 and has not been officially transmitted to units subordinate to addressees. Commanders of Army Commands (ACOM), 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"](mailto:safeadm@conus.army.mil).

**NOTE**

Commanders or Directors (not lower than the grade of Major General or civilian equivalent) of ACOMs, ARNG, USAR, ASCCs, and DRUs may authorize temporary exception from message requirements IAW AR 750-6, para 2-9 and 2-19. 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 aircraft in DD 250 status, will not issue aircraft until they are in compliance with this message. This message will not apply to aircraft which are transferred to the U.S. Government via DD Form 250 after the message DTG.

#### 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"](https://asmprd.redstone.army.mil). This is a secure website which requires an Army Knowledge Online (AKO), ["https://www.us.army.mil"](https://www.us.army.mil), user ID and password.

#### 1. SUMMARY -

1.1. Background - Bell Helicopter has released Alert Service Bulletin OH-58D-11-84 which alerts the Army that non-conforming Sleeve Bushings were installed on 29 new OH-58D Main Rotor (MR) Yoke Assemblies (Assy). Six (6) of the suspect Yokes were used to build up new MR Hub Assys at Bell and were subsequently delivered to the Army as part of a complete MR Hub Assy. The non-conforming Sleeve Bushings had excessive material removed during the rough turning operation which did not leave enough stock to sufficiently clean up the inside diameter of the Bushing during the final ream operation.

1.2. Message Purpose - Require a one-time inspection of MR Hub Assy and uninstalled MR Yokes for suspect Yoke Bushings.

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

#### 3. ASSEMBLIES/COMPONENTS/PARTS AFFECTED -

##### 3.1. Suspect Assemblies/Components/Parts -

| Nomenclature    | PN              | NSN              |
|-----------------|-----------------|------------------|
| Bushing, Sleeve | 406-010-105-101 | 3120-01-185-3166 |
| Yoke Assy, MR   | 406-010-101-109 | 1615-01-227-7971 |

##### 3.2. Additional Assemblies/Components/Parts to be Inspected -

| Nomenclature     | PN              | NSN              |
|------------------|-----------------|------------------|
| Hub Assembly, MR | 406-010-100-121 | 1615-01-186-4042 |

#### 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-58-12-AMAM-01 NLT 28 NOV 11."

## **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"](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 1 DEC 11 IAW AR 750-6. The Initial Compliance Report consists of the Aircraft SN, MDS, Date of Initial TAMMS Entry, and the Inspection Results/Comments (enter "INSTALLED" or "NOT INSTALLED").

5.2. Aircraft Final Compliance Report - Submit Final Compliance Report via AMTRACKS within 3 days of the inspection but NLT 24 MAY 12 IAW AR 750-6. This report will include Component SN, Component #1 -Inspection Results (enter "PASS" or "FAIL"), and check the box "Entered on DA Form 2408-15."

5.3. Retail Stock Task/Inspection Compliance Report (Installation level and below) - Submit Retail Stock Task/Inspection Compliance Report via AMTRACKS NLT 24 DEC 11 IAW AR 750-6. This report will include Component Nomenclature, PN, SN, and Inspection Results (enter "PASS" or "FAIL").

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 30 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"](https://asmprd.redstone.army.mil). This is a secure website which requires an Army Knowledge Online (AKO), ["https://www.us.army.mil"](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.

**NOTE**

Requests for exceptions/deviations to this message will be submitted IAW AR 750-6. For assistance in requesting a waiver contact the AMCOM Safety POC in para 13.4.1.

7.1. Review the MR Hub DA Form 2408-16 to determine if one of the following serial numbered MR Yoke Assemblies and/or MR Hub Assemblies are installed.

**NOTE**

The SN Prefix for all Assemblies will be A-FS-.

MR Yoke Assemblies - 01192 01193 01195 01196 01197  
01199 01200 01201 01202 01203 01204 01205 01206  
01207 01208 01209 01210 01211 01216 01218 01220  
01221 01226 01227 01228 01230 01234 01238 01239

MR Hub Assemblies - 00813 00817 00819 00820 00821  
00822

7.1.1. If a suspect Yoke or Hub Assembly is NOT installed, the inspection is complete. Proceed to para 7.2.

7.1.2. If either a suspect MR Yoke Assembly or MR Hub Assembly is installed, make the following entry on the DA Form 2408-13-1. Enter a Red Horizontal Dash //-// status symbol with the following statement: "MR Yoke Bushings require inspection IAW H-58-12-AMAM-01 before [####.#] aircraft hours, but NLT 24 MAY 12". Calculate [####.#] as current aircraft flight hours plus 300 hours. The inspection will be completed IAW para 7.3 of this AMAM.

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

7.3. Inspection Procedures for Installed Suspect MR Yoke Assembly.

7.3.1. Remove MR Hub Assy IAW TM 1-1520-248-23, Task 5-1-1.

7.3.2. Disassemble MR Hub Assy IAW TM 1-1520-248-23, Task 5-1-53, steps 1-7.

7.3.3. Inspect the eight (8) Sleeve Bushings, PN 406-010-105-101, installed in the MR Yoke Assy as follows.

7.3.3.1. Using Dry Cleaning Solvent, D-80, and Wiping Rags, D-194, begin carefully cleaning the inside bore of the Sleeve Bushings.

7.3.3.2. Referring to Figures 1 and 2 of the Addendum to H-58-12-AMAM-01, use a flashlight and 10X magnifying glass and inspect the inside of the bore of the eight (8) Sleeve Bushings for the presence of tooling marks. If tooling Marks are present, replace Yoke Assy.

7.3.3.3. If the inspection of the Bushings show a smooth consistent finish throughout the bore of all eight (8) Sleeve Bushings, with no evidence of tooling marks in the bore, annotate DA Form 2408-5-1 (Yoke Assy). The suspect Yoke is acceptable for installation within an MR Hub Assy and subsequent installation on aircraft.

7.3.3.4. Reassemble MR Hub as required and reinstall MR Hub and Blades on aircraft IAW the applicable tasks in TM 1-1520-248-23.

7.4. For uninstalled MR Hub Assy, PN 406-010-100-121, and spares in stock, review MR Hub DA Form 2408-16 to verify if a suspect Yoke is installed. If a suspect Yoke is installed, change the condition Tag to DD Form 1577-2 Unserviceable-Repairable, Condition Code F, and disassemble and inspect Yoke Bushings IAW para 7.3 of this AMAM.

## **8. PROCEDURES/INSTRUCTIONS FOR ASSEMBLIES/COMPONENTS/PARTS IN WORK OR IN STOCK (AT ALL LEVELS INCLUDING WAR RESERVES) -**

Annotate the serviceability tag with: "Main Rotor Yoke Bushings, H-58-12-AMAM-01, not complied with." Do not remove original condition tags. Activities at all levels will continue to annotate the serviceability tag of newly received stock until 21 FEB 12.

8.1. Items in Retail Stock - Commanders and facility managers that maintain retail stock at installation level and below will complete the following procedures.

8.1.1. Suspend issue of affected items until in compliance with message requirements.

8.1.2. Contact the supported aviation unit, as required, to perform the procedures required on affected items.

8.1.3. Comply with inspection and correction procedures as required to return items to serviceable stock.

8.1.4. Submit a Task/Inspection report IAW para 5.

8.2. Items in Wholesale Stock, Single Stock Fund, and in Work (Overhaul/Repair Facility) - 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 \$    |
|---------------------------|------------------|-----|-------------|-------------|
| Yoke Assy, MR             | 406-010-101-109  | 1   | \$46,501.00 | \$46,501.00 |
|                           | 1615-01-227-7971 |     |             |             |
| Total cost per aircraft = |                  |     |             | \$46,501.00 |

10.2. Bulk and Consumable Materials -

| Nomenclature         | PN            | NSN           |
|----------------------|---------------|---------------|
| Dry Cleaning Solvent | MIL-PRF-680   | ALL (23 NSNs) |
| Type II              |               |               |
| Wiping Rag,          | All           | ALL           |
| Corrosion Preventive | MIL-PRF-16173 | ALL (37 NSNs) |
| Compound             |               |               |

**NOTE**

Project Code "X7L" (X-ray Seven Lima) 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 "X7L".

10.4. Disposition of Discrepant Parts/Components - Unit will submit a Category "II" Product Quality Deficiency Report (CAT "II" PQDR). Hold discrepant part pending disposition instructions from the Technical POC. If instructed to dispose of using normal supply procedures, all turn-in documents must include Project Code "X7L".

10.5. Disposition of Hazardous Material - IAW Environmental Protection Agency directives as implemented by your servicing environmental coordinator (AR 200-1).

**11. MAINTENANCE APPLICATION -**

11.1. Category of Maintenance - Field Level Maintenance.

11.2. Estimated Time Required -

11.2.1. Time to complete inspection - Total of 0.5 man-hour using 1 person.

**NOTE**

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

11.2.2. Time for repair/replacement - Total of 16.0 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. AR 200-1.

12.1.4. TM 1-1520-248-23.

12.2. Publication Changes - N/A.

### 13. POINTS OF CONTACT -

#### 13.1. Technical POCs -

13.1.1. Primary - Mr. Joe Wathen (Avion), DSN 788-2499 or 256-842-2499. Fax: DSN 788-6758 or 256-842-6758.

Email: "[joe.wathen@us.army.mil](mailto:joe.wathen@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](mailto:lon.stanger@us.army.mil)".

13.2. Project/Product Manager's (PM) Office POC - Mr. Charles Wright, DSN 645-7077 or 256-955-7077. Fax: DSN 645-7125 or 256-955-7125. Email: "[charles.d.wright@us.army.mil](mailto:charles.d.wright@us.army.mil)"

13.2.1. Alternate - Mr. Jack McRoberts, DSN 645-8265 or 256-955-8265. Fax: 897-1541 or 256-313-1541.

Email: "[ellis.mcroberts@us.army.mil](mailto:ellis.mcroberts@us.army.mil)".

13.2.2. Item Manager (MR Hub/ Yoke) - Mr. Tom Fitzgerald, DSN 897-1391 or 256-313-1391. Fax: DSN 788-3449 or 256-842-3449.

Email: "[thomas.patrick.fitzgerald@us.army.mil](mailto:thomas.patrick.fitzgerald@us.army.mil)".

#### 13.3. Forms and Records POCs -

13.3.1. Primary - Primary - Ms. Ann Waldeck, DSN 746-5564 or 256-876-5564. Email: "[reds.tamms.a.policy@conus.army.mil](mailto:reds.tamms.a.policy@conus.army.mil)".

13.3.2. Alternate - Ms. Renate Richters, DSN 746-2570 or 256-876-2570. Email: "[reds.tamms.a.policy@conus.army.mil](mailto:reds.tamms.a.policy@conus.army.mil)".

#### 13.4. AMCOM Safety POCs -

13.4.1. Safety (Primary) - Mr. Frank Rosebery, DSN 788-8631 or 256-842-8631. Email: "[james.rosebery@us.army.mil](mailto:james.rosebery@us.army.mil)".

13.4.2. Safety (Alternate) - Mr. Don Swallom, DSN 788-8641 or 256-842-8641. Email: "[donald.swallom@us.army.mil](mailto:donald.swallom@us.army.mil)".

13.4.3. AMTRACKS (Primary) - Mr. Vic Mosley, DSN 788-8620 or 256-842-8620. Email: "[safeadm@conus.army.mil](mailto:safeadm@conus.army.mil)" or "[victor.mosley1@us.army.mil](mailto:victor.mosley1@us.army.mil)".

13.4.4. AMTRACKS (Alternate) - Ms. Teri Phipps, DSN 897-2097 or 256-313-2097. Email: "[teri.phipps@us.army.mil](mailto:teri.phipps@us.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](mailto:thomas.b.gibson@us.army.mil)".

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

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