

UNCLASSIFIED

MSG DTG 251830Z MAR 09

FROM COMMANDER, AMCOM, REDSTONE ARSENAL, AL //AMSAM-SF-A//

SUBJECT - AVIATION SAFETY ACTION MESSAGE (ASAM), MAINTENANCE  
MANDATORY, ALL OH-58D SERIES AIRCRAFT, TAIL ROTOR GEARBOX  
MOUNTING STUDS AND GUIDE PINS, H-58-09-ASAM-04

**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This message is effective until rescinded or superseded.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 retransmittal 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 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 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.

**1. SUMMARY -**

1.1. Background - Several recent Category I Product Quality Deficiency Reports (CAT 1 PQDR) have identified improperly installed Tail Rotor (TR) Gearbox (GB) Mounting Studs. If the TR GB is or has been installed with suspect Mounting Studs, the forward right side stud can contact the Directional Control Tube and cause damage or binding. There have also been reports of missing and dislodged TR GB Guide Pins that are required to remain in place and secure following installation operation.

1.2. Message Purpose -

1.2.1. Require a one-time inspection of the TR GB Mounting Studs for proper installation, the Directional Control Tube for chafing or binding, and the TR GB Guide Pins for proper installation.

1.2.2. Require a TM change to measure the length of each TR GB Mounting Stud prior to the TR GB installation.

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

**3. ASSEMBLIES/COMPONENTS/PARTS AFFECTED - Suspect**

Assemblies/Components/Parts -

Nomenclature	PN	NSN
Gearbox, Tailrotor	406-040-400-113	1615-01-332-7667
Connecting Link, Rigid (Directional Control Tube)	406-001-024-107	3040-01-184-6233

**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.

**4. INITIAL AIRCRAFT TAMMS (THE ARMY MAINTENANCE MANAGEMENT SYSTEM) ENTRY -** 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-58-09-ASAM-04 before [####.#] aircraft hours, but NLT 9 APR 09." Calculate [####.#] as current aircraft flight 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"](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 13 APR 09 IAW AR 750-6. This report will include Aircraft SN, MDS, Date of Initial TAMMS Entry, Component #1 (Directional Control Tube) Inspection Results (enter either "TUBE PASSED" or "TUBE FAILED"), Component #2 (TR GB) Inspection Results (enter both inspection results, either "STUDS PASSED" or "STUDS FAILED", and either "PINS PASSED", "PINS FAILED" or "PINS N/A" (if stud inspection already failed)), and check the box "Entered on DA Form 2408-5-1" (Tail Rotor Gearbox).

5.3. Retail Stock Task/Inspection Compliance Report (Installation level and below) - Submit Retail Stock Task/Inspection Compliance Report via AMTRACKS NLT 13 APR 09 IAW AR 750-6. This report will include Component Nomenclature, PN, SN, and Inspection Results (enter both inspection results, either "STUDS PASSED" or "STUDS FAILED", and either "PINS PASSED" and "PINS FAILED").

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 an optional Supplement. If the Supplement 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.

- 7.1. Remove Tail Light Support, Task 2-3-31.
- 7.2. Using a flashlight, inspect the right forward TR GB Mounting Stud to ensure stud has not contacted the Directional Control Tube (see Supplement). Inspect exposed portion of TR Directional Control Tube for evidence of chafing or binding. If chafing or binding is suspected, inspect Directional Control Tube IAW Task 11-5-1.
- 7.2.1. If damage to Directional Control Tube is confirmed and Tube fails inspection, make the following entry on aircraft DA Form 2408-13-1. Enter a Red //X// status symbol with the following statement: "Tail Rotor Directional Control Tube unserviceable IAW H-58-09-ASAM-04." Proceed to para 7.3.
- 7.2.2. If Tube passes inspection, proceed with next inspection (para 7.3).

#### **NOTE**

For all TR GBs in work or in stock, inspect and measure, all four (4) TR GB Mounting Studs to ensure the installed length is 0.770 inches (plus or minus 0.010 inches).

- 7.3. Inspect four (4) each TR GB Mounting Studs to ensure no more than four (4) threads are exposed.
- 7.3.1. If more than four (4) threads are exposed, Mounting Studs have been improperly installed (Stud inspection failed), make the following entry on DA Form 2408-13-1. Enter a Red //X// status symbol with the following statement: "Tail Rotor Gearbox Mounting Studs improperly installed IAW H-58-09-ASAM-04". Proceed to para 7.5.
- 7.3.2. If four (4) or less threads are exposed (Stud inspection passed), proceed with next inspection.
- 7.4. Inspect Gearbox to ensure two (2) each TR GB Guide Pins are installed and have not become dislodged.
- 7.4.1. If Guide Pins are not installed or have become dislodged (Pin inspection failed), make the following entry on DA Form 2408-13-1. Enter a Red //X// status symbol with the following statement: "Tail Rotor Gearbox unserviceable IAW H-58-09-ASAM-04". Proceed to para 7.5.
- 7.4.2. If Guide Pins are properly installed (Pin inspection passed).
- 7.5. Reinstall Tail Light Support.
- 7.6. Clear the initial entry from Para 4 and note compliance on DA Form 2408-5-1 (Tail Rotor Gearbox).

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

Annotate the serviceability tag with: "TAIL ROTOR GEARBOX MOUNTING STUDS AND GUIDE PINS, H-58-09-ASAM-04, not complied with." Do not remove original condition tags.

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 Single Stock Fund and in Work (Overhaul/Repair Facility) -

8.2.1. Items listed in para 3 will not be issued until they are in compliance with this message.

8.2.2. Submit Task/Inspection Compliance Report IAW para 5.

8.3. Items in Wholesale Stock - Annotate the serviceability tag IAW para 8.

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

## **10. SUPPLY/PARTS (REQUISITION/DISPOSITION) -**

### **10.1. Parts Required -**

Nomenclature	PN/NSN	Qty	Cost ea.	Total \$
Gearbox,	406-040-400-113	1	\$50,290.00	50,290.00
Tailrotor	1615-01-332-7667			
Connecting Link,	406-001-024-107	1	\$682.00	682.00
Rigid (Directional Control Tube)	3040-01-184-6233			

Total cost per aircraft = \$50,972.00

### **10.2. Bulk and Consumable Materials - N/A.**

### **NOTE**

Project Code "X5R" (X-ray Five Romeo) 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 (CC 57-59) "X5R".

10.4. Disposition of Discrepant Parts/Components - Unit will submit a Category 2 Quality Deficiency Report (CAT 2 QDR). Hold discrepant part pending disposition instructions from Technical POC. If instructed to dispose of using normal supply procedures, all turn-in documents must include Project Code (CC 57-59) "X5R".

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 - AVUM.

11.2. Estimated Time Required -

11.2.1. Time to complete inspection - Total of 2.0 man-hours using 2 persons.

### **NOTE**

The time stated below does not include time for Maintenance Operational Checks (MOC) or Maintenance Test Flights (MTF), if required.

11.2.2. Time for repair/replacement - Total of 8.0 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 - TM 1-1520-248-23, Task 6-7-1 shall be changed to reflect a requirement to inspect and measure, all four (4) Tail Rotor Gearbox Mounting Studs to ensure the installed length is 0.770 inches (plus or minus 0.010 inches), prior to installation onto the Gearbox Support. 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. Joe Wathen (Avion Inc), DSN 788-2499 or (256) 842-2499. Fax: DSN 788-2499 or (256) 842-2499.

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

13.1.2. Alternate - Mr. Gerald Johnson, DSN 897-2233 or (256) 313-2233. Fax: DSN 788-6758 or (256) 842-6758.

Email: [gerald.f.johnson@us.army.mil](mailto:gerald.f.johnson@us.army.mil).

13.2. Project/Product Manager's (PM) Office POCs -

13.2.1. Logistics (Primary) - Mr. Fernando Figueroa, DSN 645-8111 or (256) 955-8111. Fax: DSN 645-7125 or (256) 955-7125. Email: [fernando.figueroa@us.army.mil](mailto:fernando.figueroa@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](mailto:charles.d.wright@us.army.mil).

13.3. Wholesale Materiel POC (Directional Control Tube) -

Ms. Susan Wallace, DSN 695-4492 or (804) 279-4492.

Fax: DSN 695-5567 or (804) 279-5567.

Email: [susan.wallace@dla.army.mil](mailto:susan.wallace@dla.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"](mailto: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"](mailto:david.derbort@conus.army.mil).  
13.5. AMCOM Safety POCs -  
13.5.1. Primary - Mr. Steve Lindsey (SAIC), DSN 897-2092 or (256) 313-2092. Email: ["steven.lindsey@conus.army.mil"](mailto:steven.lindsey@conus.army.mil).  
13.5.2. Alternate - Mr. Don Swallom, DSN 788-8641 or (256) 842-8641. Email: ["donald.swallom@conus.army.mil"](mailto:donald.swallom@conus.army.mil).  
13.6. Foreign Military Sales POCs -  
13.6.1. Primary - Mr. George Ashmore (CAS), DSN 788-1094 or (256) 842-1094. Email: ["george.ashmore1@us.army.mil"](mailto:george.ashmore1@us.army.mil).  
13.6.2. Alternate - Mr. Tom Gibson, DSN 788-1077 or (256) 842-1077. Email: ["thomas.b.gibson@us.army.mil"](mailto:thomas.b.gibson@us.army.mil).  
13.7. After hours, contact the AMCOM Operations Center (AOC), DSN 897-2066/7 or (256) 313-2066/7.