

UNCLASSIFIED

MSG DTG 271420Z JUN 12

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

SUBJECT - AVIATION MAINTENANCE ACTION MESSAGE (AMAM),
MAINTENANCE MANDATORY, ALL UH-1 SERIES AIRCRAFT, AFT CROSSTUBE
INSTALLATION, UH-1-12-AMAM-03

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This message is effective until rescinded or revised.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), 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, 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. Aircraft scheduled for transfer to the U.S. Government via DD Form 250 after the message DTG will not be accepted until in compliance with the message requirements.

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 - UH-1-06-ASAM-01 was issued to inspect AFT Crosstubes for fatigue cracks which could have originated during the manufacturing process. Previous to the ASAM, two Crosstubes had failed when the aircraft were being moved with the ground handling wheels installed. To support Army requirements, the Item Manager directed a portion of the stock on hand be inspected and reserved for Army use only. This supply has now been exhausted and a records check is required to verify that Crosstubes currently installed have been inspected IAW UH-1-06-ASAM-01.

1.2. Message Purpose -

1.2.1. Require a one-time inspection of AFT Crosstubes.

1.2.2. Provide required TM changes.

2. END ITEMS AFFECTED - All UH-1H/V series aircraft.

3. ASSEMBLIES/COMPONENTS/PARTS AFFECTED -

| Nomenclature | PN | NSN |
|-----------------|----------------|------------------|
| Crosstube, Skid | 205-050-152-41 | 1620-00-967-7624 |
| Landing Gear | | |

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 UH-1-12-AMAM-03 NLT 25 OCT 12."

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 3 JUL 12 IAW AR 750-6. The Initial Compliance Report consists of the Aircraft SN, MDS, and Date of Initial TAMMS Entry for all assigned aircraft. This report only confirms that the unit has made the initial logbook entry.

5.2. Aircraft Final Compliance Report - Submit Final Compliance Report via AMTRACKS within 3 days of the inspection, but NLT 28 OCT 12 IAW AR 750-6. This report will include the Inspection Results/Comments (enter "PASS" or "FAIL", or "N/A"), and check the box "Entered on the DA Form 2408-15".

NOTE

Facilities which maintain Retail Stock must register as a General User in AMTRACKS for the purposes of submitting the required Compliance Report. This registration does not require entry of an Aircraft SN or MDS. Questions regarding registration can be forwarded to the AMTRACKS Administrators at ["redstone-amtracks@conus.army.mil"](mailto:redstone-amtracks@conus.army.mil).

5.3. Retail Stock Task/Inspection Compliance Report (Installation level and below) - Submit Retail Stock Task/Inspection Compliance Report via AMTRACKS NLT 25 AUG 12 IAW AR 750-6. This report will include the Component Nomenclature, PN, and Inspection Results (enter "PASS" or "FAIL").

5.4. Wholesale Stock Task/Inspection Compliance Report (including Depot Stock, Depot Maintenance, and Overhaul/Repair Facilities) - 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.

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 55-1520-210-23-1.

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 13.5.1.

NOTE

Non-Destructive Inspections (NDI) shall only be performed by qualified personnel. Qualified personnel include MOS 15DN2 or Level II/Level III personnel certified under National Aerospace Standard (NAS) 410.

7.1. Inspect the aircraft records to determine the installation date for the AFT Crosstube and the compliance date for UH-1-06-ASAM-01.

7.1.1. If the installation date and/or the compliance date cannot be determined, or if the installation date of the AFT Crosstube is AFTER the compliance date for UH-1-06-ASAM-01, proceed to para 7.2.

7.1.2. If the installation date of the Crosstube is PRIOR to the compliance date for UH-1-06-ASAM-01, the inspection is complete. Proceed to para 7.5.

7.2. Referring to Pages 1-5 of the Addendum, perform the "AFT Landing Gear Crosstube Thickness Ultrasonic (UT) Inspection". The Crosstube wall may vary in thickness around the circumference and requires an UT thickness test to determine if the thickness dimensions are within the design criteria. Any minimum thickness not met per Butt Line (BL) is reason to reject the AFT Crosstube.

7.2.1. If all thickness dimensions ARE met, proceed to para 7.3.

7.2.2. If any thickness dimension is NOT met, make the following entry on the DA Form 2408-13-1. Enter a Red //X// status symbol with the following statement: "AFT Crosstube unserviceable IAW UH-1-12-AMAM-03".

7.3. Referring to Pages 6-10 of the Addendum, perform the "AFT Landing Gear Crosstube UT".

7.3.1. If NO flaws are detected, proceed to para 7.4.

7.3.2. If ANY flaws are detected, make the following entry on the DA Form 2408-13-1. Enter a Red //X// status symbol with the following statement: "AFT Crosstube unserviceable IAW UH-1-12-AMAM-03".

7.4. Referring to Pages 11-14 of the Addendum, perform "AFT Landing Gear Crosstube Eddy Current (ET) Inspection".

7.4.1. If any flaws are detected, refer to the repair criteria in TM 55-1520-210-23-1, para 3-12.

7.4.1.1. If the Crosstube is repairable, make appropriate repairs and proceed to para 7.5.

7.4.1.2. If Crosstube is not repairable, make the following entry on the DA Form 2408-13-1. Enter a Red //X// status symbol with the following statement: "AFT Crosstube unserviceable IAW UH-1-12-AMAM-03".

NOTE

If replacement of Crosstube is required, the flat ends of the new Crosstube which insert into the Saddle, may have to be modified to meet the contour of the Skid Tube at the Forward and AFT locations. Slide the Crosstube into the Saddle until it contacts the Skid Tube. Use the hole alignment dimension plus 0.010 inch to determine how much depth is needed. Using a file, remove appropriate material to install Crosstube with a 0.020 +/- 0.010 gap between the Crosstube and the Skid Tube. No sharp edges allowed. Paint exposed material with primer.

NOTE

If a serviceable replacement is not available, the unserviceable Crosstube may be reinstalled to facilitate storage until a serviceable part is available.

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) -

Annotate the serviceability tag with: "AFT Crosstube Installation, UH-1-12-AMAM-03, 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 5.3.
- 8.2. Items in Wholesale Stock (including Depot Stock, Depot Maintenance, and Overhaul/Repair Facilities) - N/A.

9. SPECIAL TOOLS AND FIXTURES REQUIRED - IAW the Addendum to UH-1-12-AMAM-03. Additionally, the following special tool is required to complete the Thickness Inspection (UT):

Manufacturer Product Name: 5 Step - Aluminum (Step Wedge)
 Manufacturer PN: CB-06-AL
 Cost: \$ 105.35
 Supplier: <http://www.ndtmart.com>
 Phone: 800-787-7454

10. SUPPLY/PARTS (REQUISITION/DISPOSITION) -

10.1. Parts Required -

| Nomenclature | PN/NSN | Qty | Cost ea. | Total \$ |
|---------------------------|------------------|-----|-----------|-----------|
| Crosstube, Skid | 205-050-152-41 | 1 | \$4690.35 | \$4690.35 |
| Landing Gear | 1620-00-967-7624 | | | |
| Total cost per aircraft = | | | | \$4690.35 |

10.2. Bulk and Consumable Materials - N/A.

NOTE

Project Code "X8A" (X-ray Eight Alpha) 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 "X8A".

10.4. Disposition of Discrepant Parts/Components - Dispose of using normal supply procedures. All turn-in documents must include Project Code "X8A".

10.5. Disposition of Hazardous Material - N/A.

11. MAINTENANCE APPLICATION -

11.1. Category of Maintenance - Field Level Maintenance.

11.2. Estimated Time Required -

11.2.1. Time to complete the records check - Total of 0.5 man-hour using 1 person.

11.2.2. Time to complete inspection - Total of 8.0 man-hours using 2 persons.

NOTE

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

11.2.3. Time for repair/replacement - Total of 8.0 man-hours using 2 persons.

12. PUBLICATION REQUIREMENTS -

12.1. References -

12.1.1. AR 95-1.

12.1.2. DA Pam 738-751.

12.1.3. DA PAM 25-40.

12.1.4. TM 1-1500-328-23.

12.1.5. TM 55-1520-210-23-1.

12.2. Publication Changes. TM 55-1520-210-23-1 shall be changed to reflect this message. A copy of this message will be used as authority to implement the changes until official TM changes are received. ADD the following WARNING to para 3-12a: "When installing new AFT Crosstubes, Ultrasonic inspection shall be accomplished IAW UH-1-12-AMAM-03."

13. POINTS OF CONTACT -

13.1. Technical POCs -

13.1.1. Primary - Mr. Tim Tucker, DSN 897-5685 or 256-313-5685. Fax: DSN 897-5668 or 256-313-5668.

Email: "tim.tucker@us.army.mil".

13.1.2. Alternate - Mr. Martin Ohrenberg, DSN 897-5684 or 256-313-5684. Fax: DSN 897-5668 or 256-313-5668.

Email: "martin.ohrenberg@us.army.mil".

13.2. Project/Product Manager (PM) Office POC - Mr. Howard Reeves, DSN 645-9701 or 256-955-9701. Fax: DSN 788-3449 or 256-842-3449. Email: "howard.reeves@us.army.mil".

13.3. Wholesale Material POC (DLA) - Ms. Felicia Barwell, DSN 695-5208 or 804-279-5208. Fax: DSN 695-2562 or 804-279-2562.

Email: "felicia.barwell@dla.mil".

13.4. Forms and Records POCs -

13.4.1. Primary - Ms. Renate Richters, DSN 46-2570 or 256-876-2570. Email: "reds.tamms.a.policy@conus.army.mil" or "renate.richters@us.army.mil".

13.4.2. Alternate - Mr. Lloyd Willits, DSN 746-3598 or 256-876-3598. Email: "reds.tamms.a.policy@conus.army.mil" or "lloyd.willits@us.army.mil".

13.5. AMCOM Safety POCs -

13.5.1. Safety (Primary) - Mr. Harry Trumbull, DSN 897-2095 or 256-313-2095. Email: "harry.e.trumbull.civ@mail.mil".

13.5.2. Safety (Alternate) - Mr. Don Swallom, DSN 788-8641 or 256-842-8641. Email: "donald.w.swallom.civ@mail.mil".

13.5.3. AMTRACKS (Primary) - Mr. Vic Mosley, DSN 788-8620 or 256-842-8620. Email: "safeadm@conus.army.mil" or "victor.e.mosley.civ@mail.mil".

13.5.4. AMTRACKS (Alternate) - Ms. Teri Phipps, DSN 897-2097 or 256-313-2097. Email: "teri.l.phipps.civ@mail.mil".

- 13.6. Foreign Military Sales POCs -
- 13.6.1. Primary - Mr. Bill McClung, DSN 746-5452 or 256-876-5452. Email: ["william.p.mcclung@us.army.mil"](mailto:william.p.mcclung@us.army.mil).
- 13.6.2. Alternate - Mr. Jose Cabrera, DSN 897-6866 or 256-313-6866. Email: ["jose.cabrerajr@peoavn.army.mil"](mailto:jose.cabrerajr@peoavn.army.mil).
- 13.7. After hours, contact the AMCOM Operations Center (AOC), DSN 897-2066/7 or 256-313-2066/7.