

UNCLASSIFIED

MSG DTG 231345Z OCT 02

FROM CDRAMCOM, REDSTONE ARSENAL, AL //AMSAM-SF-A//

SUBJECT - AVIATION SAFETY ACTION MESSAGE, MAINTENANCE MANDATORY,
RCS CSGLD-1860(R1), ALL UH-1H/V SERIES AIRCRAFT, MAIN ROTOR GRIP
RETIREMENT LIFE/INSPECTION, UH-1-03-ASAM-01

.....NOTE.....
....This message is effective until rescinded or superseded.

.....NOTE.....
....This message is issued IAW AR 95-1 and has not been
....transmitted to units subordinate to addressees.
....Addressees will immediately retransmit this message
....to all subordinate units, activities or elements
....affected or concerned. MACOMs will immediately
....verify this transmission to the AMCOM SOF Compliance
....Officer (AMSAM-SF-A, safeadm@redstone.army.mil).

.....NOTE.....
....MACOM commanders may authorize temporary exception from
....message requirements IAW AR 95-1, Ch 6. Exception may
....only occur when combat operations or matter of life or
....death in civil disasters or other emergencies are so
....urgent that they override the consequences of continued
....aircraft operation.

1. SUMMARY -

1.1. Background - Commercial Model 212 helicopters have experienced 11 cracks on the lower Main Rotor Grip near the blade retaining bolt (tang). Bell Helicopter Textron, Incorporated (BHTI) is investigating these incidents and is conducting additional tests and analyses on the Main Rotor Grip. The resulting analysis of the UH-1 grips determined that a retirement life of 17,500 hours must be established.

1.2. Message Purpose -

1.2.1. Require visual inspection to determine serial number in order to establish a baseline Time Since New (TSN).

1.2.2. Require initial DA Form 2410 "U" Gain and installation information reporting of all serviceable Main Rotor Grip Assemblies.

1.2.3. Remove unserviceable grips from service.

1.2.4. Assign a 17,500-hour retirement life for all serviceable Main Rotor Grips.

1.2.5. Implement a recurring 25-hour visual inspection of the Main Rotor Grip.

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

3. ASSEMBLIES/COMPONENTS/PARTS AFFECTED -

3.1. Suspect/discrepant assemblies/components/parts -

..Nomenclature PN NSN

..Grip Assembly, Main	204-011-121-1	1615-00-446-7576
..Grip Assembly, Main	204-011-121-5	1615-00-057-1827
..Grip Assembly, Main	204-011-121-113	1615-01-257-6237
3.2. Additional assemblies/components/parts to be inspected -		
..Hub Assy, Main Rotor	204-012-101-031	1615-01-056-4550
..Hub Assy, Main Rotor	204-012-101-137	1615-01-261-0570
..Hub Assy, Main Rotor	204-012-101-139	1615-01-237-0512
..Hub Assy, Main Rotor	204-012-101-141	1615-01-270-2982

.....**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 TAMMS (THE ARMY MAINTENANCE MANAGEMENT SYSTEM) COMPLIANCE REQUIREMENTS -

4.1. Upon receipt of this message, make the following entry on the DA Form 2408-13-1. Enter a red horizontal dash // - // status symbol with the following statement: "Comply with requirements of UH-1-03-ASAM-01 before [####.#] aircraft hours, but NLT 22 NOV 02." (Calculate [####.#] as current aircraft flight hours plus 25 hours). Commanders who are unable to comply with the requirements of this message within the time frame specified will upgrade the affected aircraft status symbol to a red //X//.

.....**NOTE**.....
The TAMMS compliance reporting form is available at
"www.redstone.army.mil/sof/tamms.xls" (use lower case
letters only) or may be obtained from the units
servicing LAR. Alternate forms may be approved by
the AMCOM SOF Compliance Officer.

.....**NOTE**.....
The TAMMS Compliance Report only confirms the unit has
made the initial logbook entry for assigned aircraft.
TAMMS Compliance Reports will include aircraft serial
numbers (in numerical order), date of entry on DA Form
2408-13-1, unit address, local POC name and phone number.
 4.2. TAMMS Compliance Report - Submit TAMMS Compliance Report
 via priority email to "safeadm@redstone.army.mil" NLT 30 OCT 02
 IAW AR 95-1. If email is not available, the report may be faxed
 to: SOF Compliance Officer at DSN 897-2111 or (256) 313-2111.

5. TASK/INSPECTION COMPLIANCE REPORTING REQUIREMENTS -

.....**NOTE**.....
The Task/Inspection Reporting Form is available at
"www.redstone.army.mil/sof/log.xls" (use lower case
letters only) or may be obtained from the units
servicing LAR. This report will cite the message
number, date of inspection, aircraft serial number,
aircraft hours, component serial number, component
hours, and results of the inspection.

5.1. Aircraft - N/A.

5.2. Retail Stock (Installation level and below) - N/A.
5.3. Wholesale Stock (Including Depot stock, Depot Maintenance and Single Stock Fund) - Report receipt of this message to Wholesale POC NLT 28 OCT 02. Provide local POC, address and phone number. Report compliance with this message IAW para 8 to Wholesale POC NLT 6 NOV 02.

6. SPECIAL PROVISIONS TO MESSAGE REQUIREMENTS (AIRCRAFT) -

6.1. Aircraft in AVUM, AVIM, or Depot level maintenance - Commanders/facility managers will not issue aircraft until they are in compliance with this message.
6.2. Aircraft at Contractor Facility - U.S. Helicopters will inspect DD 250 aircraft prior to those aircraft departing for ferry to final destination.
6.3. Aircraft in Surface/Air Shipment - Comply with message requirements within 25 flight hours/30 days of arrival.

7. TECHNICAL PROCEDURES/INSTRUCTIONS -

.....NOTE.....

....Supplemental information for this message can
....be viewed at (use lower case letters only)
...."www.redstone.army.mil/sof/suppl/uh1a0301.pdf".

7.1. Perform visual inspection of the Main Rotor Grip to determine the serial number. Serial number may be etched on the grip or may be found on an identification plate fastened to the part. The serial number will determine the "TSN" when completing the DA Form 2410.

7.1.1. If no serial number is present, hub is considered unserviceable. Proceed to para 7.3.

7.1.2. If the serial number prefix contains the letters "FS", assign a TSN of 10,000 hours when completing DA form 2410.

7.1.3. If the serial number contains the prefix "A-" followed by a number that is 97 or greater, assign a "TSN" of 12,000 hours when completing DA Form 2410.

7.1.4. If the serial number is other than that described in either para 7.1.2. or 7.1.3. above, assign a "TSN" of 16,000 hours when completing DA form 2410.

7.2. Perform visual inspection, using 10x magnification, of the Main Rotor Grips. Inspect for cracking, paying particular attention to the bottom of the lower tang.

7.3. If any cracking is present or no serial number is found, make the following entry on the DA Form 2408-13-1. Enter a red //X// status symbol with the following statement: "Main Rotor Hub unserviceable IAW UH-1-03-ASAM-01". Replace defective hub IAW TM 55-1520-210-23-1, chapter 5.

7.4. If Main Rotor Grip is serviceable, complete DA Form 2410, Copy 2 ("U" gain) and Copy 3 (Installation) to establish a baseline TSN and installation information for each Main Rotor Grip. Complete as follows and forward NLT 22 NOV 2002 to Commander, AMCOM, AMSAM-MMC-MA-NC (2410), Redstone Arsenal, AL 35898-5000.

7.4.1. Copy 2 - "U" gain will be as follows:

- 7.4.1.1 Control Number - Use 6 digit alphanumeric control number.
 - 7.4.1.2. Blocks 2 thru 6 IAW DA PAM 738-751.
 - 7.4.1.3. Block 7 - Time Since Last Inst - 0 (zero).
 - 7.4.1.4. Block 8 - Time Since New - shall be IAW para 7.1.
 - 7.4.1.5. Block 9 - Time Since Overhaul - RC.
 - 7.4.1.6. Block 10 - Failure Code - 799.
 - 7.4.1.7. Block 14 - WUC - 05A01C.
 - 7.4.1.8. Blocks 39, 40, and 46 IAW DA PAM 738-751.
 - 7.4.1.9. Block 43 - Enter an "A" in the block by "(A) SERV".
 - 7.4.1.10. Block 44 - Reason for Gain - "U".
 - 7.4.2. Copy 3 - Installation on the Main Rotor Hub as follows"
 - 7.4.2.1. Control number and blocks 1 thru 19 (section I), already filled in from copy 2.
 - 7.4.2.2. Blocks 50 thru 54 shall be filled in using current information on the Main Rotor Hub.
 - 7.4.2.3. Blocks 55 thru 61 - leave blank.
 - 7.4.2.4. Blocks 62 thru 65 IAW DA PAM 738-751.
 - 7.4.2.5. Blocks 66 thru 69 - leave blank.
 - 7.4.2.6. Block 70 - Enter an "A" in the block by "(A) SERV".
 - 7.4.2.7. Block 71 IAW DA PAM 738-751.
 - 7.5. Annotate the Main Rotor Hub DA Form 2408-16 with the information for the Main Rotor Grip assemblies. Calculate the next replacement due based on a retirement life of 17,500 hours and current assigned hours.
 - 7.6. Annotate the DA Form 2408-18 with a 25-hour recurring visual inspection (using 10X magnification) of the Main Rotor Grip. ULLS-A units will use inspection number "A56" for this recurring inspection.
 - 7.7. Clear the initial entry from para 4.1. once initial visual inspection is complete. Initiate a DA Form 2408-5-1 and note compliance with this message for the Main Rotor Grip.
- 8. PROCEDURES/INSTRUCTIONS FOR ASSEMBLIES/COMPONENTS/PARTS IN WORK OR IN STOCK (AT ALL LEVELS INCLUDING WAR RESERVES) -**
- 8.1. Items in stock at all levels.
 - 8.1.1. Annotate the serviceability tag with: "UH-1-03-ASAM-01, Main Rotor Grip Retirement Life/Inspection, not complied with". Do not remove original condition tags.
 - 8.1.2. Complete inspections IAW para 7.1. and 7.2. above.
 - 8.1.3. Tag discrepant Main Rotor Grips with a Material Condition Tag/Label, DD Form 1577/DD Form 1577-1, Unserviceable (Condemned) Tag/Label - Materiel (color red). Dispose of discrepant materiel IAW paragraph 10.4.
 - 8.1.4. Tag discrepant Main Rotor Hubs with a Material Condition Tag/Label, DD Form 1577-2/DD Form 1577-3, Unserviceable (Reparable) Tag/Label - Materiel (color green). Turn in discrepant materiel IAW paragraph 10.4.
 - 8.1.5. For grips installed on Main Rotor Hubs, complete DA Form 2410, Copy 2 and 3 as described in paragraph 7.4. above. For uninstalled grips, The Copy 2, "U" gain, will be completed and

forwarded to AMCOM. The copy 3, will be maintained with the uninstalled grip until it is installed on a Main Rotor Hub.

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

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

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

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

8.3. Items in Work (Overhaul/Repair Facility) -

8.3.1. Depot, unit and other maintenance activity commanders will ensure items listed in para 3 are not issued until they are in compliance with this message.

8.3.2. Submit Task/Inspection Compliance Report for this message to Wholesale POC IAW para 5.

8.4. Items in Wholesale Stock/Single Stock Fund - Depot storage facilities will complete the following procedures -

8.4.1. Report message receipt to Wholesale POC IAW para 5.3.

8.4.2. Suspend issue of affected items until in compliance with message requirements. Commanders and facility managers will ensure all items in condition codes //A//, //B//, //C//, //D//, and //E// that are affected by this message are placed in condition code //J// and tagged with a Suspended Tag/Label - Materiel, DD Form 1575/DD Form 1575-1. Do not remove original condition tags.

8.4.3. Submit DD Form 1225 (Storage Quality Control Report) to the Wholesale POC. Include an estimate of the cost reimbursable funding required to move serviceable items on hand affected by message to a work area, unpack the materiel, repack the materiel after inspection, and to return the materiel to storage, as appropriate. Report, by original serviceable condition code, the quantity of materiel placed in condition code //J//.

8.4.4. Comply with additional instructions provided by the Wholesale POC to return items to their original condition code.

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

10. SUPPLY/PARTS (REQUISITION/DISPOSITION) -

10.1. Parts Required -

..Nomenclature	PN/NSN	Qty	Cost ea.	Total \$
..Hub Assembly,	204-012-101-139	1	\$55,443.00	\$55,443.00
.....Main	1615-01-237-0512			
..Hub Assembly,	204-012-101-141	1	\$55,443.00	\$55,443.00
.....Main	1615-01-270-2982			
.....Total cost per aircraft =			\$55,443.00	

10.2. Bulk and consumable materials - N/A.

10.3. Requisitioning instructions - Requisition replacement parts using normal supply procedures. All requisitions shall use Project Code (CC 57-59) "X23" (X-ray-two-three).

.....NOTE.....

....Project Code "X23" is required to track and establish
....a data base of stock fund expenditures incurred by
....the field as a result of message actions.

10.4. Disposition of discrepant parts/components - Dispose of using normal supply procedures. Defective hubs will be shipped to an authorized repair activity for replacement of unserviceable Main Rotor Grips IAW DMWR 55-1560-196. All turn-in documents must include Project Code (CC 57-59) "X23" (X-ray-two-three).

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.

11.2.2. Time for repair/replacement - total of 50 man-hours using 2 persons with 25 hours downtime per end item.

12. PUBLICATION REQUIREMENTS -

12.1. References -

12.1.1. AR 95-1.

12.1.2. DA Pam 738-751.

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

12.1.4. DMWR 55-1560-196.

12.2. Publication changes - TB 1-1500-341-01 and 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 change until the official change is received.

13. POINTS OF CONTACT -

13.1. Technical POCs are -

13.1.1. Primary - Mr. Darrell Hutson, AMSAM-RD-AE-I-D-U, DSN 897-2350 x9718 or (256) 705-9718. Fax is (256) 705-9896. Email is "darrell.hutson@rddec.redstone.army.mil".

13.1.2. Alternate - Mr. Craig Mosley (Westar), AMSAM-RD-AE-I-D-U, DSN 897-2350 x9721 or (256) 705-9721. Fax is (256) 705-9896. Email is "craig.mosley@rddec.redstone.army.mil".

13.2. Logistical POCs are -

13.2.1. Primary - Charlie Elkins, SFAE-AV-AS-ASH-L, DSN 645-0073 or (256) 955-0073. Fax is 645-7125 or (256) 955-7125. Email is "charlie.elkins@redstone.army.mil".

13.2.2. Alternate - Howard Reeves, SFAE-AV-AS-ASH-L, DSN 645-9701 or (256)955-9701. Fax is 645-7125 or (256) 955-7125. Email is "howard.reeves@redstone.army.mil".

13.3. Wholesale Materiel POC (spares) is Lloyd Cook, AMSAM-MMC-AV-SA, DSN 897-1543 or (256) 313-1543. Fax is DSN 897-1541. Email is "william.cook@redstone.army.mil".

13.4. Forms and records POC is Ms. Ann Waldeck, AMSAM-MMC-MA-NM, DSN 746-5564 or (256) 876-5564. Fax is DSN 746-4904 or (256) 876-4904. Email is "ann.waldeck@redstone.army.mil".

13.5. Safety POCs are -