

URGENT

\*TB 1-1520-237-20-192

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

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INCREASE IN FATIGUE LIFE FOR THE MAIN ROTOR  
BLADE CUFFS,  
P/N 70150-09109-041 AND 70150-09109-043  
ALL EH-60A /L, UH-60A/L, MH-60L AND MH-60K  
AIRCRAFT

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Headquarters, Department of the Army, Washington, D. C.  
7 March 1997

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DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

NOTE

THIS PUBLICATION IS EFFECTIVE UNTIL RESCINDED OR SUPERSEDED.

1. Priority Classification. Unclassified.

a. Aircraft in Use. Upon receipt of this Technical Bulletin (TB), the condition status symbol of cited aircraft will be changed to a red horizontal dash "-". The red horizontal dash "-" may be cleared when the inspection of paragraph 8 below is completed.

b. Aircraft in Depot Maintenance. Same as paragraph 1a.

c. Aircraft Undergoing Maintenance. Same as paragraph 1a.

d. Aircraft in Transit.

(1) Surface/Air Shipment. Inspect at final Destination.

(2) Ferry Status. Same as paragraph 1 D (1).

e. Maintenance Trainers (Category A and B). Same as paragraph 1a.

f. Component/Parts in Stock Including War Reserves at All Levels (Depot and Others). Upon receipt of this TB the material condition TAGS of all items listed in paragraphs 6 and 7 shall be annotated to read, increase in Cuff Assembly Fatigue Life per UH-60-97-ASAM-11 not complied with no further action is required for wholesale stock. For Retail Stock comply with paragraphs 8 and 9.

\*This TB supersedes USAATCOM Aviation Safety Action Message 281530Z FEB 97, UH-60-97-ASAM-11.

- 2. **Task/Inspection Suspense Date.** Within 10 hours/14 days.
- 3. **Reporting Compliance Suspense Date.** No later than 21 March 1997 per paragraph 14a of this TB.
- 4. **Summary of the Problem.**

a. Six lug Main Rotor Blade Cuffs were assigned a retirement life of 2400 hours for EH-60A/L, UH-60ANL and 500 hours for MH-60K. Additional testing has been conducted by Sikorsky and retirement lives have been changed as indicated:

**WARNING**

**The retirement life for the eight lug cuffs has not been changed and remains at 1900 hours. Verify cuff configuration before assigning a new retirement life as both six and eight lug cuffs use part number 7015-09109-041.**

| PART NUMBER                 | EXISTING LIFE | REVISED LIFE |
|-----------------------------|---------------|--------------|
| 70150-09109-041 (SIX LUG)   | 2400 Hours    | 5000 Hours   |
| 70150-09109-041 (EIGHT LUG) | 1900 Hours    | (No Change)  |
| 70150-09109-043 (SIX LUG)   | 500 Hours     | 2200 Hours   |

- b. For manpower/downtime and funding impacts see paragraph 12.
- c. The purpose of this TB is to annotate the appropriate component records to reflect the revised retirement life.

- 5. **End Item to be inspected.** All UH-60A/L, EH-60ANL and MH-60KIL aircraft.
- 6. **Assembly Components to be inspected.**

| NOMENCLATURE              | PART NUMBER      | NATIONAL STOCK NUMBER |
|---------------------------|------------------|-----------------------|
| MAIN ROTOR BLADE ASSEMBLY | 70150-09100-041  | 1615-01-074-5150      |
| MAIN ROTOR BLADE ASSEMBLY | 70150-09100-043  | 1615-01-106-1903      |
| MAIN ROTOR BLADE ASSEMBLY | 70150-09100-043A | 1615-01-325-8808      |

- 7. **Parts to be Inspected.**

| NOMENCLATURE          | PART NUMBER     | NATIONAL STOCK NUMBER |
|-----------------------|-----------------|-----------------------|
| CUFF ASSEMBLY         | 70150-09109-041 | 1615-01-099-2341      |
| CUFF ASSEMBLY(MH-60K) | 70150-09109-043 |                       |

- 8. **Inspection Procedures.** Verify part number through records review and confirm if part is six or eight lug configuration by visual inspection of assembly.

- 9. **Correction Procedures.**

a. Insert the following inspection at the beginning of paragraph 5.16.1.3 of TM 1-1520-237-23 and TM 1-1520-250-23: Inspect blade cuff to determine whether blade has six or eight lug cuff. Retirement life is different for these two configurations.

- b. Insert the following warning at the beginning of paragraph 5.16.1.4 of TM 1-1520-237-23 and TM 1-1520-250-23:

**WARNING!**

**Retirement life is different for six and eight lug Main Rotor Blade Cuffs.**

- c. Change TM 1-1520-237-23 Table 1-12 to:

| COMPONENT             | PART NUMBER     | OVERHAUL/RETIREMENT | NOTES |
|-----------------------|-----------------|---------------------|-------|
| MAIN ROTOR BLADE CUFF | 70150-09109-041 | 5000(1900)          | 19    |

- d. Delete note 22 and change note 19, Table 1-12, TM 1-1520-237-23 to: Main Rotor Blade Cuffs, part number 70150-09109-041, with six lugs have a retirement life of 5000 hours. Main Rotor Blade Cuffs with eight lugs have a retirement life of 1900 hours.

- e. Change TM 1-1520-250-23 Table 1-12 to:

| COMPONENT             | PART NUMBER     | OVERHAUL/RETIREMENT |
|-----------------------|-----------------|---------------------|
| CUFF AND ATTACH BOLTS | 70150 09109-043 | 2200                |

- f. Annotate aircraft records with revised retirement times for appropriate component.

**NOTE**

**All six lug Main Rotor Blade Cuffs with part number 70150-09109-041 including those manufactured by Fenn (82001), Sikorsky (78286), and Purdy (15152) are revised to 5000 hour retirement time.**

**10. Supply/Parts and Disposition. N/A.**

**11. Special Tools, Jigs and Fixtures Required. N/A.**

**12. Application.**

- a. Category of Maintenance. AVUM.
- b. Estimated Time Required. Total of .25 man-hours using one person for records and visual inspection.
- c. Estimated Time to Required to replace. N/A.
- d. Estimated cost impact of stock fund items to the field. N/A.
- e. TB/MWOS to be applied prior to or concurrently with this inspection. N/A.
- f. Publications Which Require Change as a Result of This Inspection. TM 1-1520-237-23 and TM 1-1520-250-23. A copy of this TB shall be inserted in the appropriate TM as authority to implement the change until the printed change is received.

**13. References.**

- a. TM 1-1520-237-23.
- b. TM 1-1520-250-23.

**14. Recording and Reporting Requirements.**

a. Upon entering requirements of this TB on DA Form 2408-13-1 on all subject MDS aircraft, forward a priority message, datafax or E-mail to Commander, ATCOM, ATTN: AMSAT-R-X (SOF compliance officer), per AR 95-3. Datafax number is DSN 693-2064 or commercial 314/263-2064. E-mail address is "amsatrxs@emh4.stl.army.mil". The report will cite this TB number, date of entry in DA Form 2408-13-1, the aircraft mission design series and serial numbers of aircraft in numerical order.

b. The following forms are applicable and are to be completed in accordance with DA PAM 738-751, dated 15 June 92 for assemblies with increased fatigue lives:

- (1) DA Form 2408-16, Aircraft Component Historical Record.
- (2) DA Form 2408-51, Equipment Modification Record (Blade Cuff).
- (3) DA Form 2408-13, Aircraft Status Information Record.
- (4) DA Form 2408-13-1, Aircraft Inspection and Maintenance Record.
- (5) DA Form 2408-15, Historical Record for Aircraft.

**15. Weight and Balance.** N/A.

**16. Points of Contact.**

a. Technical point of contact for this TB is Mr. John Schmieding, AMSAT-R-ECU, DSN 693-1689 or commercial (314)263-1689. Datafax is DSN 693-1622.

b. Logistical point of contact for this TB is Mr. Joe Hoover, SFAE-AV-BH-L, DSN 693-0484 or commercial (314)263-0484, FAX: DSN 693-1898, E-Mail is hooverj@peo2.stl.army.mil.

c. Forms and records point of contact for this TB is Ms. Ann Waldeck AMSAT-I-MDM, DSN 490-2318 or commercial (314)260-2318.

d. Material Management (SPARES) point of contact is Ms. Julia Moore, AMSAT-I-SAVA, DSN 693-6050.

e. Safety point of contact for this TB is Mr. Dave Scott, AMSAT-R-X, DSN 693-2045 or commercial (314)263-2045. Datafax is DSN 693-2064.

f. Foreign Military Sales (FMS) recipients requiring clarification of action advised by this TB should contact CW5 Jay Nance or Mr. Ron Van Rees, AMSAT-D-S, DSN 693-78443216 or commercial (314)263-7844W 216. Datafax is DSN 693-2917.

g. After hours contact ATCOM Command Operations Center (COC) DSN 693-2066/2067 or commercial (314)263-206612067.

**17. Reporting of Errors and Recommending Improvements.** You can help improve this TB. If you find any mistakes or if you know of a way to improve these procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) directly to: Commander, US Army Aviation and Troop Command, ATTN: AMSAT-1-MP, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798. A reply will be furnished to you. You may also submit your recommended changes by E-mail directly to <mpmt%avma28@st-louis-emh7.army.mil>. A reply will be furnished directly to you. Instructions for sending an electronic 2028 may be found at the back of this manual.

By Order of the Secretary of the Army:

Official: 

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*Administrative Assistant to the  
Secretary of the Army*

03222

DENNIS J. REIMER  
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To be distributed in accordance with DA Form 12-31-E, block no. 3669, requirements for TB 1-1520-237-20-192.

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The following format must be used if submitting an electronic 2028. The subject line must be exactly the same and all fields must be included; however only the following fields are mandatory: 1, 3, 4, 5, 6, 7, 8, 9, 10, 13, 15,16, 17, and 27.

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To: mpmr/oavma28@st-louis-emh7.army.mil  
Subject: DA Form 2028

1. **From:** Joe Smith
2. **Unit:** home
3. **Address:** 4300 Park
4. **City:** Hometown
5. **St:** MO
6. **Zip:** 77777
7. **Date Sent:** 19-OCT-93
8. **Pub no:** 55-2840-229-23
9. **Pub Title:** TM
10. **Publication Date:** 04-JUL-85
11. **Change Number:** 7
12. **Submitter Rank:** MSG
13. **Submitter FName:** Joe
14. **Submitter MName:** T
15. **Submitter LName:** Smith
16. **Submitter Phone:** 123-123-1234
17. **Problem:** 1
18. **Page:** 2
19. **Paragraph:** 3
20. **Line:** 4
21. **NSN:** 5
22. **Reference:** 6
23. **Figure:** 7
24. **Table:** 8
25. **Item:** 9
26. **Total:** 123
27. **Text:**

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