

**URGENT**

**DEPARTMENT OF THE ARMY TECHNICAL BULLETIN**

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**INCREASE IN FATIGUE LIFE OF THE FENN  
MANUFACTURED MAIN ROTOR BLADE CUFF  
P/N 70150-09109-041 AND P/N 70150-09109-043  
(ALL MH-60K AIRCRAFT)**

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**Headquarters, Department of the Army, Washington, D. C.  
30 September 1996**

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**NOTE**

**THIS PUBLICATION IS EFFECTIVE UNTIL RESCINDED OR SUPERSEDED.**

**1. Priority Classification.**

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. The affected aircraft shall be inspected as soon as practical but no later than the task/inspection suspense date. Failure to comply with the requirements of this TB within the applicable time frame will cause the status symbol to be upgraded to a red "X".

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

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

\*This TB supersedes USAATCOM Aviation Safety Action Message 201410Z, SEP 96, UH-60-96-ASAM-11.

d. Aircraft in Transit

- (1) Surface/Air Shipment. Inspect at final destination.
- (2) Ferry Status. Same as paragraph 1d(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 in all condition codes listed in paragraphs 6 and 7 shall be annotated to read, "increase in cuff assembly fatigue life per UH-60-96-ASAM-11 not complied with". No further action is required for wholesale stock. For retail stock comply with paragraphs 8 and 9.

**2. Task/Inspection Suspense Date.** 10 hours or 14 days.

**3. Reporting Compliance Suspense Date.** 10 October 1996.

**4. Summary of the Problem.**

a. Per TB 1-1520-237-20-174 (SOF UH-60-96-03), the retirement life of Fenn Manufactured Main Rotor Blade Cuffs was reduced to 75 flight hours. The engineering testing for one of the two required specimens has been successfully completed, and the interim retirement life for Fenn Manufactured (CAGE 82001) Main Rotor Blade Cuffs will increase to a value of 40 hours from 75 hours. This interim life shall remain in effect until the second specimen completes testing.

b. For manpower/downtime and funding impacts see paragraph 12.

c. The purpose of this TB is to annotate the appropriate component records of Fenn Manufactured Main Rotor Blade Cuffs to reflect an increased interim life of 450 hours from 75 hours until the second test specimen can complete the required engineering testing.

**5. End Item Affected.** All MH-60K aircraft with the Fenn Manufactured Main Rotor Blade Cuffs Installed.

**6. Assembly Components to be Affected:**

NOMENCLATURE	PART NUMBER	NATIONAL STOCK NUMBER
MAIN ROTOR BLADE ASSEMBLY	70150-09100-043	1615-01-106-1903
MAIN ROTOR BLADE ASSEMBLY	70150-09100-041	1615-01-074-5150
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	70150-09109-043	N/A

**8. Inspection Procedures.** Verify through aircraft records if main rotor blade cuff, 70150-09109-041 and 70150-9109-043, serial number FM0080 through FM0679 is installed on Main Rotor Blade Assembly. If the serial number of the Main Rotor Blade Cuff does match one of the serial numbers listed, perform actions in paragraph 9. If serial number does not match the above identified serial numbers, the inspection is complete. **NOTE: Actions per TB 1-1520-237-20-174 should have already identified the affected blade cuffs.**

**9. Correction Procedures.** If a Main Rotor Blade Cuff is identified per paragraph 8 above, annotate the main rotor blade DA Form 2408-16, block 6J, to reflect the new interim retirement life of 450 hours from the previous interim life of 75 hours implemented per TB 1-1520-237-20-174 (SOF UH-60-96-03) and update the replacement due in block 6K. ULLS-A users add the revised retirement life of the affected cuffs in the master component file using a configuration code of 40.

**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 1 person.
- c. TB to be Applied Prior to or Concurrently with this Inspection. TB 1-1520-237-20-174 (SOF UH-60-96-03).
- d. Publications Which Require Change as a Result of This Inspection. N/A.

**13. References.** TM 1-1520-250-23 series and TB 1-1520-237-20-174 (SOF UH-60-96-03).

**14. Recording and Reporting Requirements.** 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, AT-COM, 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.

- a. Reporting Compliance Suspense Data (AIRCRAFT). N/A.
- b. Task/Inspection Reporting Suspense Date (AIRCRAFT). N/A.
- c. Reporting Compliance Suspense Data (SPARES). N/A.
- d. Task/Inspection Reporting Suspense Data (SPARES). N/A.
- e. The flowing 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 2408-5-1, 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.

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

**16. Points of Contact.**

- a. Technical point of contact for this TB is Mr. Dan Kardell, AMSAT-R-ECU, DSN 693-0422 or commercial (314) 263-0422.
- 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 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) 2260-2318.
- d. Safety point of contact for this TB is Ms. Tammy Nelson, AMSAT-R-X, DSN 693-1601/2085 or commercial (314) 263-2258/2085.
- e. Foreign Military Sales (FMS) recipients requiring clarification of action advised by is TB should contact Mr. Ron Van Rees, AMSAT-D-IA DSN 693-3826/3659 or commercial (314) 263-3826/3659.
- f. After hours contact ATCOM Command Operations Center (COC) DSN 693-2066/2067 or commercial (314) 263-2066/2067.

**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-I-MP 430 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:**

**DENNIS J. REIMER**  
*General United States Army*  
*Chief of Staff*

*Official:*

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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: mpmt%avma28st-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:**

This is the text for the problem below line 27.

