

URGENT

*TB 1-1520-237-20-215

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

ONE TIME INSPECTION OF MAIN ROTOR HUB ASSEMBLY ALL H-60 AIRCRAFT

Headquarters, Department of the Army, Washington, D. C.
22 November 1999

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

NOTE

THIS PUBLICATION IS EFFECTIVE UNTIL RESCINDED OR SUPERSEDED.

1. **Priority Classification. Urgent**
 - a. Aircraft in Use. Same as TB 1-1520-237-20-212 and (UH-60-99-ASAM-07).
 - b. Aircraft in Depot Maintenance. Same as TB 1-1520-237-20-212 and (UH-60-99-ASAM-07).
 - c. Aircraft Undergoing Maintenance. Same as TB 1-1520-237-20-212 and (UH-60-99-ASAM-07).
 - d. Aircraft in Transit. Same as TB 1-1520-237-20-212 and (UH-60-99-ASAM-07).
 - e. Maintenance Trainers (Category A, and B). Same as TB 1-1520-237-20-212 and (UH-60-99-ASAM-07).
 - f. Component/Parts in Stock at All Levels (Depot and Others) Including War Reserves. N/A.
 - g. Component/Parts In Work (Depot Levels and Others). N/A.
2. **Task/Inspection Suspense Date.** N/A.
3. **Reporting Compliance Suspense Date.** No later than 3 December 1999 per paragraph 14.a of this TB.
4. **Summary of the Problem.**
 - a. UH-60-99-ASAM-07 imposed a non-destructive inspection (NDI) of the eleven o'clock dampener bracket attachment bolt hole on the inside surface of the Main Rotor Hub every 100 hours on hubs with over 1,000 flight hours. Subsequent test and analysis revealed that a longer interval between inspections would not degrade safety or airworthiness. This revision to the ASAM increases the interval between required inspection from 100 flight hours to 200 flight hours.
 - b. For manpower/downtime and funding impacts, see paragraph 12.

*This TB supersedes USAAMCOM Aviation Safety Action Message 101310Z NOV 99, UH-60-00-ASAM-01

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c. The purpose of this TB is to revise TB 1-1520-237-20-212 (UH-60-99-07) to increase the interval between required inspection of P/N 70103-08112-041/-045 Main Rotor Hub Assembly for cracks in specified areas from 100 hours to 200 flight hours. This TB does not apply to the 70103-08112-047 Rotary Hub Assembly.

5. **End Items to be Inspected.** All H-60 aircraft.

6. **Assembly Components to be Inspected.**

NOMENCLATURE	PART NUMBER	NATIONAL STOCK NUMBER
Hub, Rotor, Assembly	70103-08112-041	1615-01-096-5427
Hub, Rotor, Assembly	70103-08112-045	(MH-60)

7. **Parts to be Inspected.** N/A.

8. **Inspection Procedures.**

a. Same as TB 1-1520-237-20-212 and (UH-60-99-ASAM-07).

b. If the Main Rotor Hub Time Since New (TSN) is less than 1,000 hours, annotate the DA Form 2408-5-1 for the Main Rotor Hub and schedule the inspection on the DA Form 2408-18 to accomplish the inspection IAW paragraph 8.e. or 8.f. (as appropriate) at each subsequent PMS II phase inspection up to 1,000 hours TSN. Upon reaching 1,000 hours TSN, perform the inspection IAW paragraph 8.e. or 8.f. (as appropriate) at a recurring interval not to exceed 200 hours.

c. If the Main Rotor Hub TSN is more than 1,000 hours and it has been less than 200 hours since the last Main Rotor Hub NDI inspection (reference paragraph 4.a.) was performed, annotate the DA Form 2408-5-1 for the Main Rotor Hub and schedule the inspection on the DA Form 2408-18 to accomplish the inspection IAW paragraph 8.e. or 8.f. (as appropriate) and subsequent re-inspections at a recurring interval not to exceed 200 hours between inspection.

d. If the Main Rotor Hub TSN is more than 1,000 hours and it has been either 200 hours 100 or more since the last Main Rotor Hub NDI inspection (reference paragraph 4.a.) was performed, or no NDI inspection has been performed, accomplished the inspection of paragraph 8.e. or 8.f. (as appropriate) within the next 20 flight hours/30 days. Schedule subsequent re-inspections, on the DA Form 2408-18, at a recurring interval not to exceed 200 hours between inspections.

e. Eddy Current Inspection. Same as TB 1-1520-237-20-212 and (UH-60-99-ASAM-07).

f. Fluorescent Penetrant Inspection (FPI): Same as TB 1-1520-237-20-212 and (UH-60-99-ASAM-07).

9. **Correction Procedures.**

a. Same as TB 1-1520-237-20-212 and (UH-60-99-ASAM-07).

b. A copy of this TB shall be inserted in the appropriate publications as authority to implement the inspection.

10. **Supply/Parts and Disposition.** Same as TB 1-1520-237-20-212 and (UH-60-99-ASAM-07).

11. **Special Tools, Jigs and Fixtures Required.** Same as TB 1-1520-237-20-212 and (UH-60-99-ASAM-07).

12. **Application.**

a. Category of Maintenance. AVUM/AVIM. Aircraft downtime will be charged to AVUM/AVIM. Eddy current inspection is only authorized at AVIM level.

b. Estimated Time Required. Same as TB 1-1520-237-20-212 and (UH-60-99-ASAM-07).

c. Estimated Cost Impact of Stock Fund Items to the Field. Same as TB 1-1520-237-20-212 and (UH-60-99-ASAM-07).

- d. TB/MWOs to be Applied Prior to or Concurrently with this Inspection. N/A.
- e. Publications Which Require Change as a Result of This Inspection. N/A.

13. References.

- a. TB 1-1520-237-20-181
- b. TB 1-1520-250-20-6 (UH-60-97-ASAM)
- c. TB 1-1520-237-20-212 (UH-60-99-ASAM-07)
- d. TM 1-1520-237-23
- e. TM 1-1520-250-23
- f. TM 1-1520-265-23
- g. TM 1-1500-328-23
- h. TM 1-1500-335-23

14. Recording and Reporting Requirements.

- a. Reporting compliance Suspense Date (Aircraft). 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, AMCOM, ATTN: AMSAM-SF-A (SOF Compliance Officer), Redstone Arsenal, AL 35898-5000, IAW AR 95-1. Datafax number is DSN 897-2111 or commercial (256) 313-2111. E-Mail address is "SAFEADM@REDS-TONE.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. Task/Inspection reporting suspense date (Aircraft). N/A.
- c. Reporting Message Receipt (Spares). N/A.
- d. Task/Inspection Reporting Suspense Date (Spares). N/A.
- e. The following forms are applicable and are to be completed in accordance with DA Pam 738-751, 15 Mar 99.

NOTE

ULLS-A unites will use applicable "E" forms.

- (1) DA Form 2408-5-1, Equipment Modification Record (Main Rotor Hub).
- (2) DA Form 2408-13, Aircraft Status Information Record.
- (3) DA Form 2408-13-1, Aircraft Inspection and Maintenance Record.
- (4) DA Form 2408-18, Equipment inspection List.

NOTE

ULLS-A users will change the current 800 series Main Rotary Hub inspection interval from 100 flight hours to 200 flight hours.

15. Weight and Balance. N/A.

16. Points of Contact.

- a. Technical point of contact for this TB is Mr. Darrell Hutson, AMSAM-AR-E-I-C-U, DSN 897-3898 or commercial (256) 313-3898, E-Mail is ".darrell-hutson@uh.redstone.army.mil. Datafax is DSN 897-3844 or (256) 313-3844. Alternate phone number is DSN 897-3887 or (256) 313-3887. Nondestructive inspection POC for this TB is AMSAM-DSA-AS-AG, DSN 788-6553 or commercial (256) 842-6553, Alternate 1-888-832-7817, Datafax DSN 746-5507 or commercial (256) 876-5507.
- b. Logistical point of contact for this TB is Mr. Joe Hoover, AMSAM-DSA-UH-L, DSN 645-7898 or commercial (256) 955-7898, Datafax is DSN 897-3778. E-mail is "hoover-jl@redstone.army.mil".

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- c. Wholesale materiel POC (Spares) is Mr. Dan Delao, AMSAM-MMC-VS-UB, DSN 897-1303 or (256) 313-1303, Datafax is DSN 897-1572. E-mail is "delao-dt@redstone.army.mil".
- d. Forms and records point of contact for this TB is Ms. Ann Waldeck, AMSAM-MMC-RE-FF, DSN 746-5564 or (256) 876-5564, Datafax is DSN 746-4904. E-mail is waldeck-ab@redstone.army.mil.
- e. Safety point of contact for this TB is Mr. Ron Price, AMSAM-SF-A, DSN 788-8636 or commercial (256) 842-8636, Datafax is (256) 313-2111. E-mail is "ron.price@redstone.army.mil".
- f. Foreign Military Sales (FMS) recipients requiring clarification of action advised by this TB should contact CW5 Joseph L. Wittstrom, security assistance management, AMSAM-SA, DSN 8978-0681 or (256) 313-0681. E-mail is "wittstrom-jl@redstone.army.mil or Mr. Ronnie W. Sammons, AMSAM-SA-CS-NF, DSN 897-0869 or (256) 313-0869. Datafax is DSN 897-0411 or (256) 313-0411. E-mail "sammons-rs@redstone.army.mil". Huntsville, Alabama is GMT minus 6 hours.
- g. After hours contact AMCOM Command Operations Center (COC) DSN 897-2066/7 or (256) 313-2066/7. or commercial (314)263-2066/7.

17. Reporting of Errors and Recommending Improvements. You can 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 Missile Command, ATTN: AMSAM-MMC-LS-LP, Redstone Arsenal, AL 35898-5000. You may also submit your recommended changes by E-Mail directly to LS-LP@redstone.army.mil. A reply will be furnished directly to you.

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.

From: "Whomever" <whomever@avma27.army.mil>

To: ls-lp@redstone.army.mil

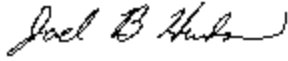
Subject: DA Form 2028

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.

By Order of the Secretary of the Army:

Official:



JOEL B. HUDSON
*Administrative Assistant to the
Secretary of the Army*

9932105

ERIC K. SHINSEKI
*General, United States Army
Chief of Staff*

Distribution:

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