

URGENT

***TB 1-1520-237-20-185**

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

**REMOVAL OF CERTAIN REWORKED MAIN ROTOR
SWASHPLATE ASSEMBLIES
UH-60A, UH-60L, EH-60A, MH-60K AIRCRAFT**

**Headquarters, Department of the Army, Washington, D. C.
18 December 1996**

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THIS PUBLICATION IS EFFECTIVE UNTIL RESCINDED OR SUPERSEDED.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. Upon receipt of this Technical Bulletin (TB) the condition status symbol of the 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 time frame will cause the status symbol to be upgraded to a red "X".

b. Aircraft in Depot Maintenance. Aircraft will not be issued until compliance with this TB has been completed.

c. Aircraft Undergoing Maintenance. Aircraft will not be released until compliance with this TB has been completed.

d. Aircraft in Transit.

(1) Surface/Air Shipment. Within 10 hours/14 days.

(2) Ferry Status. Inspect at final destination.

e. Maintenance Trainers (Category A and B). Comply within 15 days of receipt of this TB.

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 paragraph 6 shall be annotated to read UH-60-97-01, Removal of Certain Reworked Main Rotor Swashplate Assemblies.

(1) Wholesale Stock. Report receipt of this TB in accordance with paragraph 14.c.(1). Upon receipt of this TB all serviceable items condition codes "A", "B", "C", "D", and "E" listed in paragraph 6 located in wholesale depot storage shall be 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. Report compliance with this TB in accordance with paragraph 14.d.(1).

*This TB supersedes USAATCOM Message 021657Z Dec 96 (UH-60-97-01).

(2) Retail Stock. Report receipt of this TB in accordance with paragraph 14.c.(2). Upon receipt of this TB, commanders and others maintaining retail stock at installation level and below, shall contact the supported aviation unit to perform the inspection required by paragraph 8 and the correction procedures of paragraph 9 on discrepant materiel. Disposition of discrepant materiel will be in accordance with paragraph 10. Report compliance with this TB in accordance with paragraph 14.d.(2).

2. Task/Inspection Suspense Date. Within 10 hours/14 days.

3. Reporting Compliance Suspense Date. No later than 20 December 1996 per paragraph 14.a of this TB.

4. Summary of the Problem.

a. A swashplate assembly was removed from a UH-60A Black Hawk helicopter for rough operation and binding when rotated by hand. Teardown and investigation of this swashplate assembly showed it to have improperly machined liners. The improperly machined liners resulted in an excessive interference fit of the duplex bearing into the swashplate assembly. This resulted in premature spalling of the bearing, which in turn caused the bearing to exhibit roughness and binding when turned by hand. Swashplate assemblies received from overhaul which had new liners installed will be removed from the field to insure the liners are properly machined.

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

c. The purpose of this TB is to perform a records check to identify suspect swashplate assemblies, and to remove the suspect swashplates before next flight.

5. End Items to be Inspected. All UH-60A/EH-60A/UH-60L/MH-60K aircraft serial numbers 77-22716 through 96-26680. Aircraft serial numbers 96-26681 and subsequent will be inspected/corrected by contractor during production and therefore records for aircraft serial numbers 96-26681 and subsequent will not require identification of this action.

6. Assembly Components to be Inspected.

NOMENCLATURE	PART NUMBER	NATIONAL STOCK NUMBER
M/R Swashplate Assembly	70104-08000-043	1615-01-085-5317
M/R Swashplate Assembly	70104-08000-044	1615-01-385-6381
M/R Swashplate Assembly	70104-08000-046	1560-01-106-1918
M/R Swashplate Assembly	70104-08000-048	
M/R Swashplate Assembly	70104-08000-050	1615-01-199-7646
M/R Swashplate Assembly	70104-08000-052	

7. Parts to be Inspected. N/A

8. Inspection Procedures.

a. Review the aircraft component historical record, DA Form 2408-16, to determine the serial number of the main rotor swashplate assembly. See paragraph 6 above for part numbers.

b. If the main rotor swashplate assembly serial number is listed below, perform the corrective action of paragraph 9 before the next flight.

A107-00045	A107-00208	A107-00452
A107-00048	A107-00212	A107-00457
A107-00056	A107-00278	A107-00477
A107-00061	A107-00396	A107-00595
A107-00132	A107-00398	A107-00840
A107-00191	A107-00418	A107-02185

c. If the main rotor swashplate assembly serial number is not listed above, the inspection is complete..

9. Correction Procedures. If the main rotor swashplate assembly serial number is listed in paragraph 8.b above, remove it in accordance with reference paragraph 13.a for UH-60A/EH-60A/H-60L aircraft, or reference paragraph 13.b for MH-60K aircraft before the next flight.

10. Supply/Parts and Disposition.

- a. Parts Required. Items cited in paragraph 6 may be required to replace defective items.
- b. Requisitioning Instructions. Requisition replacement parts through normal supply channels using normal supply procedures. All requisitions shall use project code "XCX" per this TB.

NOTE

Project code "XCX" is required to track and establish a data base of stock fund expenditures incurred by the field as a result of ASAM/SOF actions.

- c. Bulk and Consumable Materials. N/A
- d. Disposition. Hold any unserviceable part/component as identified in paragraph 8.b pending disposition instructions from logistical point of contact per paragraph 16.b below. Turn in documents must include project code "XCX" to insure 100 per cent credit value. ATCOM will provide normal credit when the FTM (shipment confirmation) transaction is processed and then adjust the unserviceable credit to 100 percent. One hundred percent credit will only apply to returns meeting the requirements of this TB and to documents dated within 90 days of the original date time group of this SOF Returns are to be shipped in accordance with the instructions issued by the logistical point of contact. Any returns which do not meet all of the credit parameters of this TB will not be credited at the normal unserviceable credit value.
- e. Disposition of Hazardous Material. N/A.

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

12. Application.

- a. Category of Maintenance. AVUM. Aircraft downtime will be charged to AVUM.
- b. Estimated Time Required.
 - (1) Total of 0.5 man-hours using 1 person.
 - (2) Total of 0.5 hours downtime for one end item.
- c. Estimated Cost Impact of Stock Fund Items to the Field. See paragraph 10.d.
- 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. TM 1-1520-237-23-3.
- b. TM 1-1520-250-23-3.

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 mission design series (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 MDS and serial numbers of aircraft in numerical order.
- b. Task/inspection Reporting Suspense Date (Aircraft). If a swashplate assembly with a serial number listed in paragraph 8.b is installed, it must be reported immediately via facsimile or E-mail, to the logistical point of contact listed in paragraph 16.b.

c. Reporting Compliance Suspense Date (Spares).

(1) Materiel in Wholesale Depot Storage. Report receipt of this TB by E-mail or datafax to the wholesale materiel (Spares) point of contact listed in paragraph 16.d within 3 working days from the date of this TB. Provide local point of contact.

(2) Material in Retail Storage. Report receipt of this TB by E-mail or datafax to the logistical point of contact listed in paragraph 16.b within 7 days from the date of this TB. Provide local point of contact.

d. Task/Inspection Reporting Suspense Date (Spares).

(1) Materiel in Wholesale Depot Storage. Report compliance with this TB to the wholesale materiel point of contact (Spares) listed in paragraph 16.d within 7 days of the date of this TB. Include an estimate of the cost reimbursable funding required to move serviceable items on hand listed in paragraph 6 to a work area, unpack the materiel, repack the materiel, after inspection by ATCOM inspectors, and to return the materiel to storage. Report by original serviceable condition code, the quantity of materiel placed in condition code J. Report by E-mail or datafax and provide local point of contact.

(2) Materiel in Retail Storage. Report compliance with this TB to the logistical point of contact in paragraph 16.b within 14 days of the date of this TB. Report the quantity inspected by condition code and the resulting condition code. Report by E-mail or datafax and provide local point of contact.

e. The following forms are applicable and are to be completed in accordance with DA Pam 738-751, 15 June 1992.

- (1) DA Form 2408-13, Aircraft Status Information Record.
- (2) DA Form 2408-13-1, Aircraft Inspection and Maintenance Record.
- (3) DA Form 2408-5-1, Equipment Modification Record (Swashplate Assembly)
- (4) DA Form 2408-15, Historical Record for Aircraft.
- (5) DA Form 2408-16, Aircraft Component Historical Record.
- (6) DA Form 2410. Component Removal and Repair/Overhaul Record.

15. Weight and Balance. N/A.

16. Points of Contact.

a. Technical point of contact for this TB is Mark Juede, AMSAT-R-EPD, DSN 693-0308 or commercial 314/263-0308.

b. Logistical point of contact for this TB is Joe Hoover, SFAE-AV-BH-L, DSN 693-0484 or commercial (314)263-0484.

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

d. Materiel Management (Spares) Point of Contact is Val Buchmiller, AMSAT-I-SABA, DSN 693-6059 or commercial 314/263-6059.

e. Safety point of contact for this TB is Jim Wilkins, AMSAT-R-X, DSN 693-2258 or commercial (314)263-2258.

f. Foreign Military Sales (FMS) recipients requiring clarification of action advised by this TB should contact Mr. Ron Van Rees or MW5 Jay Nance, AMSAT-D-S, DSN 693-7844/3216. Datafax is 2917.

- g. After hours contact ATCOM Command Operations Center (COC) DSN 693-2066/7 or commercial (314)263-2066/7.

By Order of the Secretary of the Army:

Official: 

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

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*Administrative Assistant to the
Secretary of the Army*

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DISTRIBUTION:

To be distributed in accordance with DA Form 12-31-E, block no. 3639, requirements for TB 1-1520-237-20-185.

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: <mpmt/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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DA FORM 2028-2
1 JUL 79

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P.S.—IF YOUR OUTFIT WANTS TO KNOW ABOUT YOUR RECOMMENDATION MAKE A CARBON COPY OF THIS AND GIVE IT TO YOUR HEADQUARTERS.

