

URGENT

*TB 1-1520-248-20-62

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

ONE TIME INSPECTION FOR CERTAIN MAST MOUNTED SIGHT (MMS) UPPER SHROUD FOR DISCREPANT CLAMPS ALL OH-58D HELICOPTERS

Headquarters, Department of the Army, Washington, D. C.
16 November 2001

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NOTE

THIS PUBLICATION IS EFFECTIVE UNTIL
RESCINDED OR SUPERSEDED.

1. Priority Classification. URGENT.

a. Aircraft in Use. Upon receipt of this Technical Bulletin (TB) make the following entry on DA Form 2408-13-1. Enter a Red Horizontal Dash status symbol with the following statement: "Inspect MMS upper shroud in accordance with TB 1-1520-248-20-62 within the next 20 flight hours, but not later than 24 October 2001. Clear the Red Horizontal Dash entry when procedures in accordance with paragraphs 8. and 9. are completed. Affected aircraft shall be inspected as soon as practical but not later than 24 October 2001. Commanders who are unable to comply with requirements of this TB within time frame specified will upgrade affected aircraft status symbol to a Red X.

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

(1) Aircraft in AVUM, AVIM, or Depot. Commanders and Facility Managers will not issue aircraft until they are in compliance with this TB.

(2) Aircraft in Contractor Facility. (Bell Helicopter TEXTRON, Inc.) will inspect DD 250 aircraft prior to those aircraft departing for ferry to final destination.

c. Aircraft in Transit.

(1) Surface/Air Shipment. Within 20 hours/14 days of arrival.

(2) Ferry Status. Inspect at final destination.

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

e. Component/Parts in Stock Including War Reserves at All Levels (Depot and Others). Upon receipt of this TB, Depot and Materiel Activity Commanders will ensure Materiel Condition Tags of all items in all condition codes listed in paragraphs 6. and 7. are annotated to read: "TB 1-1520-248-20-62 inspection of Mast Mounted Sight upper shroud clamps not complied with.

(1) Wholesale Stock. Not applicable.

*This TB supersedes Oh-58-02-ASAM-02 101332Z Oct. 01

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(2) Retail Stock. Upon receipt of this TB Commanders and Facility Managers maintaining retail stock at instillation level and below shall contact supported aviation unit to perform procedures required in accordance with paragraphs 8. and 9. on subject materiels. dispose of discrepant materiels in accordance with paragraph 10. Report compliance with this TB in accordance with paragraph 14. c. (2) not later than 29 October 2001.

f. Components/Parts in Work (Depot Level and Others). Depot and other Maintenance Activity Commanders will ensure items listed in paragraphs 6. and 7. are not issued until they are in compliance with this TB.

2. Task/Inspection Suspense Date. Complete inspection in accordance with paragraph 8. within the next 20 flight hours, but not later than 24 October 2001; and report in accordance with 14. a. (2) not later than 29 October 2001.

3. Reporting Compliance Suspense Date. Report compliance in accordance with paragraph 14. a. (1) not later than 31 October 2001.

4. Summary of Problem.

a. Boeing has delivered 38 MMS upper shroud containing clamps (6 rep shroud) that do not conform to parts requirements. Most shrouds have been located and are being repaired. However, 17 remain to be located. The problem is that the mating surface on the clamps were not machined with the curved surface that matches the curvature on the shroud. The faulty clamps have a flat surface that clamps against the curved shroud, resulting in only the corners of the clamp surface actually contacting the shroud. During flight, vibrations can cause the sharp corners of clamps to mar the metal bands on the inside of the shroud, and eventually reduce clamping forces. This can cause upper shroud to come loose, and potentially separate from the MMS turret. There is no evidence that any discrepant clamps were used in depot repaired shrouds.

b. Manpower/downtime and funding impacts, see paragraph 12.

c. The purpose of this TB is to locate suspect MMS upper shrouds and replace discrepant clamps.

5. End Items to be Inspected. All Army OH-58D aircraft.

6. Assembly/Component(s) to be Inspected.

NOMENCLATURE	PART NUMBER	NATIONAL STOCK NUMBER
Upper Shroud Assembly	1D1094-501	1260-00-000-0165

7. Parts to be Inspected.

NOMENCLATURE	PART NUMBER	NATIONAL STOCK NUMBER
Clamp, Shroud	1D51002-1	1260-01-227-7480

8. Inspection Procedures.

a. Remove upper shroud from MMS in accordance with Task 4-43, TM 9-1240-778-23.

b. Inspect turret label for the following upper shroud serial numbers:

591	598	710	711	713	714
715	718	720	722	724	725
726	727	728	731	732	

c. If upper shroud has one of the above serial numbers, proceed to paragraph 9.

d. If upper shroud does not have one of the above serial numbers, inspection is complete; proceed to paragraph 9. d.

9. Correction Procedures.

a. Change aircraft status on DA Form 2408-13 to Red X and enter the following on DA Form 2408-13-1 "Upper MMS clamps require replacement in accordance with TB 1-1520-248-20-62.

- b. Contact Wholesale Point of Contact in paragraph 16. b. to obtain replacement clamps.
- c. Install clamps in accordance with Task 4-46, TM 9-1240-778-23 and OH-58D-99-MIM-003. The Red X may be cleared when serviceable MMS clamps are installed.
- d. After inspection and replacement of clamps if required, Red Horizontal Dash will be cleared.

10. Supply/Parts and Disposition.

- a. Parts Required. Items cited in paragraph 7 may be required to replace unserviceable items.
- b. Requisitioning Instructions. Contact Wholesale Materiel Point of Contact in paragraph 16. c. to coordinate contractor replacement of clamps.
- c. Bulk and Consumable Materials.

NOMENCLATURE	PART NUMBER	NATIONAL STOCK NUMBER
Ring, Retainer	MS16624-5025-1	5365-00-900-1803
Packing	NAS1523C4E	5330-00-269-0748
Pin, Cotter	MS24665-151	5315-00-815-1405

- d. Disposition. Contractor will remove discrepant clamps.
- e. Disposition of Hazardous Material. In accordance with Environmental Protection Agency Directives as implemented by your servicing Environmental Coordinator (AR 200-1).

11. Special Tools, Jigs, and Fixtures Required. As required.

12. Application.

- a. Category of Maintenance. AVUM. Aircraft downtime will be charged to AVUM. Report aircraft Non-Mission Capable Maintenance (NMCM) while undergoing inspection and corrections in accordance with this TB. Report aircraft Non-Mission Capable Supply (NMCS) while waiting for parts in accordance with this TB.
- b. Estimated Time Required.
 - (1) Time to Complete Inspection.
 - (a) Total of 1 man-hours using one person.
 - (b) Total of 1 hours downtime for one end item.
 - (2) Time for Repair/Replacement.
 - (a) Total of 2 man-hours using one person
 - (b) Total of 2 hours downtime for one end item.
- c. Estimated Cost Impact of Stock Fund Items to the Field. None.
- d. TB/MWOs to be Applied Prior to or Concurrently with this Inspection. OH-58D-99-MIM-003.
- e. Publications Which Require Change as a Result of This Inspection. Not applicable.

13. Reference.

- a. DA PAM 738-751, 15 March 1999.
- b. TM 9-1240-778-23, 13 May 1994.
- c. TM 9-1240-778-23P, 1 May 2001.

14. Recording and Reporting Requirements.

a. Aircraft.

(1) Reporting Compliance Suspense. Upon entering requirements of this TB on DA Form 2408-13-1 for all effected aircraft, Commanders will forward a priority message, datafax or e-mail to Commander, AMCOM, ATTN: AMSAM-SF-A (SOF Compliance Officer), Redstone Arsenal, AL. 35898-5000, in accordance with AR 95-1, not later than date specified in paragraph 3. Datafax number is DSN 897-2111 or 313-2111. E-Mail is safeadm@redstone.army.mil. Report will cite this TB number, date of entry on DA Form 2408-13-1, the aircraft mission design and series and serial number of aircraft in numerical order.

(2) Task/Inspection Reporting Suspense. Upon completion of inspection, Commanders will forward a priority message to the Logistical Point of Contact in paragraph 16. b. Report will cite this TB number, date of inspection, aircraft serial number, aircraft and component hours, and results of inspection. Inspection and report will be completed not later than date specified in paragraph 3.

b. Wholesale Spares Parts/Assemblies.

(1) Reporting Message Receipt. Not applicable.

(2) Task/Inspection Reporting Suspense. Not applicable.

c. Retail Spares Parts/Assemblies.

(1) Reporting Message Receipt. Not applicable.

(2) Task/Inspection Reporting Suspense. Commanders and Facility Managers will report inspection results to Logistical Point of Contact in paragraph 16. b. not later than date specified in paragraph 1. e. (2). Report quantity inspected by condition code and resulting condition code. Report by e-mail or datafax and provide local point of contact.

d. The following forms are applicable and are to be completed in accordance with DA PAM 738-751, 15 March 1999:

NOTE

ULLS-A users will use applicable "E"
Forms.

(1) DA Form 2408-13, Aircraft Inspection and Maintenance Repot.

(2) DA Form 2408-13-1, Aircraft Inspection and Maintenance Record.

(3) DA Form 2408-15, Historical Record for Aircraft.

(4) DD Form 1574/DD Form 1574-1, Serviceable Tag/Label Materiel (color yellow). Annotate remarks block with "TB 1-1520-248-20-62 Inspection of Mast Mounted Sight Upper Shroud for Discrepant Clamps not complied with".

15. Weight and Balance. Not applicable.

16. Points of Contact.

a. Technical point of contact for this TB is Mr. Kevin Cahill, AMSAM-RD-AE-I-D-O, DSN 645-9544 or 256-955-9544, datafax DSN. 645-9536. E-Mail kevin.cahill@redstone.army.mil.

b. Logistical point of contact for this TB is SSG Tim Hardin, AMSAM-DSA-ASH-L, DSN 645-7934 or 256-955-7934, datafax DSN 645-7125. E-Mail tomothy.hardin@redstone.army.mil.

c. Wholesale Materiel Point of Contact for this TB is Mr. John Schocke, AMSAM-MMC-AV-SOM, DSN 897-1401 or 256-313-1401, datafax DSN 897-1557. E-Mail john.schocke@redstone.army.mil.

d. Forms and records point of contact for this TB is Ms. Ann Waldeck, AMSAM-MMC-MA-NM DSN 746-5564 or 256-876-5564, datafax DSN 746-4904. E-Mail ann.waldeck@redstone.army.mil.

e. Safety Points of Contact:

(1) Primary — Mr. Frank Rosebery (SAIC), AMSAM-SF-A, DSN 788-8631 or 256-842-8631, datafax DSN 897-2111 or 256-313-2111. E-Mail frank.rosebery@redstone.army.mil.

(2) Alternate — Mr. Ron Price, AMSAM-SF-A, DSN 788-8636 or 256-842-8636, datafax DSN 897-2111 or 256-313-2111. E-Mail ron.price@redstone.army.mil.

f. Foreign Military Sales (FMS) recipients requiring clarification of action advised by this TB should contact:

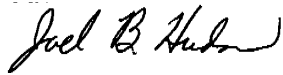
(1) Primary — Mr. Ronnie W. Sammons, AMSAM-SA-CS-NF, DSN 897-6856 or 256-313-6856 Datafax DSN 897-6630 or 256-313-6630. E-Mail ronnie.sammons@redstone.army.mil.

(2) Alternate — Mr. Paul W. Tarr, AMSAM-SA-CS-NF, Dsn 897-6861 or 256-313-6861. Datafax DSN 897-6630 or 256-312-6630. E-Mail paul.tarr@redstone.army.mil.

g. After hours contact AMCOM Command Operations Center (COC) DSN 897-2066/7 or commercial 256-313-2066/7.

By Order of the Secretary of the Army:

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