

URGENT

*TB 1-1520-228-20-87

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

ALL OH-58A/C SERIES AIRCRAFT REPLACEMENT OF MA-6/8 CREW SEAT INERTIA REELS

Headquarters, Department of the Army, Washington, D. C.
22 February 2002

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NOTE

THIS PUBLICATION IS EFFECTIVE UNTIL RESCINDED OR SUPERSEDED.

NOTE

This is an Aviation Safety Action Message/TB issued IAW AR 95-1, Chapter 6, 1 Sep 97. This message/TB has not been transmitted to units subordinate to addressees. Addressees should immediately retransmit this message/TB to all subordinate units, activities, or elements affected or concerned. The retransmittal shall reference this message/TB. Action addressees will immediately verify this transmission to CDR, AMCOM, ATTN: AMSAM-SF-A (SOF Compliance Officer).

1. Priority Classification. URGENT.

NOTE

IAW AR 95-1, paragraph 6-14.a., MACOM commanders may authorize temporary exception from ASAM message requirements. Exception may only occur when combat operations or matter of life or death in civil disasters or other emergencies are so urgent that they override the consequence of continued aircraft operation.

a. Aircraft in Use. Upon receipt of this message/TB, make the following entry on the DA Form 2408-13-1. Enter a **Red HORIZONTAL DASH //--//** status symbol with the following statement: "Inspect crew seats inertia reel IAW OH-58-02-ASAM-05 (TB 1-1520-228-20-87) within the next 20 flight hours, but NLT 7 February 2002." Clear the **RED HORIZONTAL DASH //--//** when the procedures IAW paragraphs 8 are completed. The affected aircraft shall be inspected as soon as practical but NLT 7 February 2002. Commanders who are unable to comply with the requirements of this message/TB within the timeframe specified will upgrade the affected aircraft status symbol to a **RED //X//**.

*This TB supersedes USAAMCOM Aviation Safety Action Message 242130Z Jan 02, OH-58-02-ASAM-05.

b. Aircraft in Maintenance Facility.

(1) **Aircraft in AVUM, AVIM, or Depot Level Maintenance.** Same as paragraph 1.a.

(2) **Aircraft at Contractor Facility.** Bell Helicopter Textron 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 at All Levels (Depot and Others) Including War Reserves. Not applicable.

f. Components/Parts in Work. (Depot Level and Others). Not applicable.

2. Task/Inspection Suspense Date. Complete the inspection IAW paragraph 8 within next 20 flight hours but NLT 7 February 2002, and report IAW paragraph 14.a.(2) NLT 12 February 2002.

3. TAMMS Reporting Compliance Suspense Date. Report TAMMS compliance IAW paragraph 14.a.(1) no later than 12 February 2002.

4. Summary of Problem.

a. The standard inertia reel (MA-6/8) presently in use on the crew seats for OH-58 series aircraft may not be performing to the original design specification. The current field methods for determining serviceability are not an accurate/effective means of detecting impending reel failure (fail to lock).

b. For Manpower/Downtime and Funding Impacts. See paragraph 12.

c. The Purpose of this Message/TB is to determine the type of inertia reel installed and to replace the MA-6/8, if installed, with the MA-16 inertia reel.

5. End Items to be inspected. All OH-58 series aircraft.

6. Assembly Components to be Inspected. Not applicable.

7. Parts to be Inspected.

NOMENCLATURE	PART NUMBER	NATIONAL STOCK NUMBER
Reel Assembly, Inertia	0101385-01	1680-00-775-4182
Reel Assembly, Inertia	015-870145-3-16	1680-01-437-0396

8. Inspection Procedures.

- a. Gain access to the Inertia Reels IAW procedures contained in TM 55-1520-228-23 (OH-58A/C).
- b. Conduct visual inspection to determine the part number of the inertia reels.

(1) If the MA-16 inertia reel (P/N 015-870145-3-16) is installed, the inspection is complete. Clear **RED HORIZONTAL DASH //--//** entry from paragraph 1.a.

(2) If MA-6/8 inertia reel is installed, replace IAW paragraph 9.

9. Corrective Procedures.

a. If the MA-6/8 inertia reel is installed, make the following entry on the DA Form 2408-13-1. Enter a **RED DIAGONAL \ / ** status symbol with one of the following statement: "PI/CP Inertia Reel requires replacement IAW OH-58-02-ASAM-05 (TB 1-1520-228-20-87) NLT 31 January 03." Clear **RED HORIZONTAL DASH //--//** entry from paragraph 1.a.

NOTE

Damage to the new reel can result if turned in the wrong direction when reinstalling the webbing (strap).

NOTE

When replacing the Inertia Reel on the OH-58A/C, substitute one bolt, MS27039-1-40, in place of MS27039-1-10 in the upper left mounting hole of the reel.

b. Replace the MA-6/8 Inertia Reel with the MA-16 Inertia Reel IAW procedures contained in TM 55-1520-228-23 (OH-58A/C).

10. Supply/Parts and Disposition.

a. **Parts Required.** Items cited in paragraph 12.c. may be required to replace defective items.

b. **Requisitioning Instructions.** Requisition replacement parts using normal supply procedures. All requisitions shall use Project Code (CC 57-59) "X11" (X--RAY--ONE--INDIA).

NOTE

Project Code "X11" is required to track and establish a data base of stock fund expenditures incurred by the field as a result of message/TB actions.

c. **Bulk and Consumable Materials.**

NOMENCLATURE	PART NUMBER	NATIONAL STOCK NUMBER
Washer, Flat (4)	NAS1149D0363J	5310-01--381-9601
Screw, Machine (2)	MS27039-1-40	5305-00--925-7865
Bolt, Shear (2)	NAS6603H4	5306-01--168-5628

d. **Disposition.** Demilitarize/mutilate IAW TM 1-1500-328-23 any part/component removed IAW this message/TB.

e. **Disposition of Hazardous Material.** Not applicable.

11. Special Tools, Jigs and Fixtures Required. Not applicable.

12. Application.

a. Category of Maintenance. AVUM. Aircraft downtime will be charged to AVUM maintenance. Report aircraft non-mission capable maintenance (NMCM) while undergoing inspection and correction IAW this message/TB.

b. Estimated Time Required.

- (1) Time required to conduct the inspections: Total of 1.0 man-hours using 1 person.
- (2) Time for Repair/Replacement:
 - (a) Total of 1 man-hours using 1 person.
 - (b) Total of 1 hour downtime for one end item.

c. Estimated Cost Impact to the Field.

NOMENCLATURE	PART NUMBER	NATIONAL STOCK NUMBER	QTY.	COST EA.
Reel, Inertia	015-870145-3-16	1680-01-437-0396	2	\$1,266.64
TOTAL COST PER AIRCRAFT		\$2,533.28		

d. TB/MWOs to be Applied Prior to or Concurrently with this Inspection. Not applicable.

e. Publications which Require Change as a Result of this Inspection. TM 55-1520-228-23P shall be changed to reflect this message/TB. A copy of this message/TB shall be inserted in the front of appropriate TM as authority to implement the change until the printed change is received.

13. References.

- a. DA PAM 738-751, 15 Mar 99.
- b. TM 1-1500-328-23, 30 Jul 99.
- c. TM 55-1520-228-23.
- d. TM 55-1520-228-23P.

14. Recording and Reporting Requirements.

a. Aircraft.

(1) TAMMS Reporting Compliance Suspense Date. Upon entering requirements of this message/TB on DA Form 2408-13-1 for all effected aircraft, Commanders will forward a priority message, datafax or E-mail to CDR, AMCOM, ATTN: AMSAM-SF--A (SOF Compliance Officer), Redstone Arsenal, AL 35898-5000 IAW AR 95-1, NLT date specified in paragraph 3. Datafax number is DSN 897-2111 or commercial (256) 313-2111. E-mail address is <safeadm@redstone.army.mil>. The report will cite OH-58-02-ASAM-05 (TB 1-1520-228-20-87), date of entry on DA Form 2408-13-1, aircraft MDS, and serial numbers 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 listed in paragraph 16.b. The report will cite this message and TB number, date of inspection, Aircraft Serial Number, aircraft hours, and results of the inspection. Inspection and reports will be completed NLT date specified in paragraph 2.

b. Wholesale Spare Parts/Assemblies. Not applicable.

c. Retail Spare Parts/Assemblies. Not applicable.

d. The Following Forms are Applicable and are to be Completed in Accordance with DA Pamphlet 738-751, dated 15 March 1999:

NOTE

Unit Level Logistics System--Aviation (ULLS--A) users will use applicable electronic "E" forms.

(1) DA Form 2408-13, Aircraft Status Information Record.

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

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

(4) DD Form 1577/DD Form 1577--1, Unserviceable (Condemned) Tag/Label - Materiel (Color Red). Annotate remarks block with "Condemned IAW OH-58-02-ASAM--05 (TB 1-1520-228-20-87) and Mutilated IAW TM 1-1500-328-23".

15. Weight and Balance. Not applicable.

16. Points of Contact:

a. Technical point of contact for this TB is: Mr. Thaddeus Baranowski, AMSAM--RD--AE--I--D--O, DSN 645-9625 or Commercial (256) 955-9625. Datafax is DSN 645-9536 or Commercial (256) 955-9536. E-mail is <thaddeus.baranowski@redstone.army.mil>.

b. Logistical point of contact for this TB is SSG Tim Hardin, AMSAM--DSA--AS--ASH--L, DSN 645-7934 or Commercial (256) 955-7934. Datafax is DSN 645-7125 or Commercial (256) 955-7125. E-mail is <timothy.hardin@redstone.army.mil>.

c. Wholesale Materiel Point of Contract (Spares) is Ms. Sandy Moore, Defense Supply Center Richmond (DSCR), DSN 695-3252 or (804) 279-3252. Datafax is DSN 695-5695. E-mail is <srmoore@dscr.dla.mil>.

d. Forms and Records point of contact for this TB is: Ms. Ann Waldeck, AMSAM--MMC--MA--NM, DSN 746-5564 or Commercial (256) 876-5564. Datafax is DSN 746-4904 or Commercial (256) 876-4904. E-mail is <ann.waldeck@redstone.army.mil>.

e. Safety points of contact for this TB are:

(1) Primary - Mr. Randall Rushing, (SAIC), AMSAM--SF--A, DSN 897-2092 or (256) 313-2092. Datafax is DSN 897-2111 or Commercial (256) 313-2111. E-mail is <randall.rushing@redstone.army.mil>.

(2) Alternate - Mr. Ron Price, AMSAM--SF--A, DSN 788-8636 or Commercial (256) 842-8636. Datafax is DSN 897-2111 or Commercial (256) 313-2111. E-mail is <ron.price@redstone.army.mil>.

f. Foreign Military Sales recipients requiring clarification of action advised by this TB should contact Mr. Ronnie W. Sammons, AMSAM--SA--CS--NF, DSN 897-6856 or Commercial (256) 313-6856. Datafax is DSN 897-6630 or Commercial (256) 313-6630. E-mail is <ronnie.sammons@redstone.army.mil>

g. After hours contact the AMCOM Command Operations Center (COC) DSN 897-2066/2067 or Commercial (256) 313-2066/2067.

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-MA--NP, Redstone Arsenal, Alabama 35898-5000. A reply will be furnished to you. You may also send in your comments electronically to our E-mail address at <2028@redstone.army.mil>, or by datafax at DSN 788-6546 or commercial (256) 842-6546. Instructions for sending a DA Form 2028 by E-mail may be found at the back of most Technical Manuals.

By Order of the Secretary of the Army:

ERIC K. SHINSEKI
General, United States Army
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0205338

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