

URGENT

*TB 1-1520-244-20-53

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

AH-1F TUBE ASSEMBLY, ACTUATOR, P/N 209-001-358-13, 209-001-358-17, AND 209-001-358-21, AH-1 SERIES AIRCRAFT

Headquarters, Department of the Army, Washington, D. C.
9 October 2000

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NOTE

THIS PUBLICATION IS EFFECTIVE UNTIL RESCINDED OR SUPERSEDED.

1. Priority Classification. URGENT.

NOTE

IAW AR 95-1, paragraph 6-6.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 all AH-1F aircraft IAW AH-1-00-ASAM-08 (TB 1-1520-244-20-53) prior to the next flight, but NLT 13 October 2000 ." Clear the **RED HORIZONTAL DASH//--//** when the procedures IAW paragraphs 8 and 9 are completed. The affected aircraft shall be inspected prior to the next flight, but no later than 13 October 2000. 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//**.

b. Aircraft in Depot Maintenance. Depot commanders will not issue aircraft until they are in compliance with this message/TB.

*This TB supersedes USAAMCOM Aviation Safety Action Message 271148Z Sep 00, AH-1-00-ASAM-08.

c. **Aircraft Undergoing Maintenance.** Commanders and Facility Managers will not issue aircraft until they are in compliance with this message/TB.

d. **Aircraft in Transit.**

(1) **Surface/Air Shipment.** Prior to first flight.

(2) **Ferry Status.** Not applicable.

e. **Maintenance Trainers (Category A and B).** Not applicable.

f. **Component/Parts in Stock at All Levels (Depot and Others) Including War Reserves.** Upon receipt of the message/TB, Depot and Materiel Activity Commanders will ensure the materiel condition tags of all items in all conditions codes listed in paragraphs 6 and 7 are annotated to read: "AH-1-00-ASAM-08, (TB 1-1520-244-20-53), AH-1 Series Aircraft, Tube Assembly, Actuator, Part Numbers 209-001-358-13, 209-001-358-17, and 209-001-358-21, Not Complied With".

(1) **Wholesale Stock.** N/A.

(2) **Retail Stock.** N/A.

g. **Components/Parts in Work. (Depot Level and Others).** N/A.

2. **Task/Inspection Suspense Date.** Complete the inspection IAW paragraph 8 before next flight but NLT 13 October 2000 and report IAW paragraph 14.b.

3. **Reporting Compliance Suspense Date.** Report compliance IAW paragraph 14.a. no later than 20 October 2000.

4. **Summary of the Problem.**

a. A review of historical records indicates some tube assemblies were purchased without verification of fatigue lives by test. The lives of Bell Helicopter (Cage 97499) tubes have been validated. Tubes manufactured by Master Swaging (Cage 05056), Tyee aircraft (Cage 34742), and Eules Aero Components (Cage 52743) are in the process of being validated.

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

c. **The Purpose of this TB is to:**

(1) Inspect all aircraft to determine the type of tubes installed.

(2) Assign a temporary reduced life for unvalidated parts.

5. **End Items to be inspected.** All AH-1 series aircraft.

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

NOMENCLATURE	PART NUMBER	NATIONAL STOCK NUMBER
Tube Assembly, Actuator	209-001-358-13	1650-01-026-4741
Tube Assembly, Actuator	209-001-358-17	4710-01-026-4740
Tube Assembly, Actuator	209-001-358-21	1650-01-028-4594

7. Parts to be Inspected. N/A.

8. Inspection Procedures. Visually inspect the parts listed in paragraph 6 to determine the cage code of the manufacturer.

a. If the parts are determined to be of Bell Helicopter manufacture, no further action is required and the **RED HORIZONTAL DASH //--//** may be cleared.

b. If it is determined the part is manufactured by any other source other than Bell Helicopter, or if the source of manufacture cannot be determined, proceed to paragraph 9.

9. Corrective Procedures. For all parts other than those identified as being manufactured by Bell Helicopter, a temporary reduced retirement life of 3,180 hours will be assigned.

a. The tube assembly new replacement due time will be recalculated on the aircraft time change DA Form 2408-16. ULLS-A units will use this message/TB as authorization to modify the ULLS-A component master file to add new data lines for new Cage codes and to reflect the new retirement life for the tube assembly. For additional ULLS-A assistance, contact alternate point of contact in paragraph 16.c.(2).

b. A **RED //X//** entry will be made on the DA Form 2408-13-1 requiring removal of parts exceeding 3,180 hours.

c. When parts testing has been completed, a follow-on message/TB will be issued.

10. Supply/Parts and Disposition.

a. **Parts Required.** N/A.

b. **Requisitioning Instructions.** N/A.

c. **Bulk and Consumable Materials.** N/A.

d. **Disposition.** Tube assemblies removed that exceed new life limits will be disposed of IAW TM 1-1500-238-23.

e. **Disposition of Hazardous Material.** IAW Environmental Protection Agency Directives as implemented by your servicing Environmental Coordinator (AR 200-1).

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

12. Application.

a. **Category of Maintenance.** AVUM. Aircraft downtime will be charged to AVUM maintenance.

b. **Estimated Time Required.**

(1) Time required to conduct the inspections: Total of 1 man-hour using 1 person.

(2) Total of 1 hour downtime for one end item.

c. **Estimated Cost Impact to the Field.** N/A.

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. DA PAM 738-751, 15 Mar 99.
- b. TM 1-1500-238-23, 30 Jul 99.

14. Recording and Reporting Requirements.

a. Reporting Compliance Suspense Date (Aircraft). Upon entering requirements of the message/TB on DA Form 2408-13-1 on all subject mission design series (MDS) aircraft, 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. Datafax number is DSN 897-2111 or commercial (256) 313-2111. E-mail address is <safeadm@redstone.army.mil>. The report will cite AH-1-00-ASAM-08 (TB 1-1520-244-20-53), date of entry on DA Form 2408-13-1, aircraft MDS, and serial numbers of aircraft in numerical order.

b. Task/Inspection Reporting Suspense Date (Aircraft). Upon completion of inspection, Commanders will forward a priority message to: CDR, AMCOM, ATTN: AMSAM-RD-AE-I-D-O, phone DSN 645-9545, Fax DSN 645-9545, email "gerald.johnson@redstone.army.mil". The report will cite AH-1-00-ASAM-08 (TB 1-1520-244-20-53), date of inspection, aircraft serial number, aircraft and component hours, and results of the inspection. Identify the cage code of the manufacturer and the hours for each tube installed on each aircraft. Inspection and reports will be completed NLT 25 October 2000.

c. Reporting Message/TB 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 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 2408-5-1, Equipment Modification Record (Tube Assembly).
- (2) DA Form 2408-13, Aircraft Status Information Record.
- (3) DA Form 2408-13-1, Aircraft Inspection and Maintenance Record.
- (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 (only if tube assembly is removed/replaced).
- (7) DD Form 1574/DD Form 1574-1, Serviceable Tag/Label - Materiel (Color Yellow).
- (8) DD Form 1577/DD Form 1577-1, Unserviceable (Condemned) Tag/Label - Materiel (Color Red). Annotate remarks block with "Condemned IAW AH-1-00-ASAM-08 (TB 1-1520-244-20-53) and Mutilated IAW TM 1-1500-238-23".

15. Weight and Balance. N/A.

16. Points of Contact:

a. Technical points of contact for this TB are:

(1) Primary – Mr. Gerald Johnson, AMSAM-RD-AE-I-D-O, DSN 645-9545 or Commercial (256) 955-9545, Datafax is DSN 645-9536. E-mail is <gerald.johnson@redstone.army.mil>.

(2) Alternate – Ms. Denise Bouchard, AMSAM-RD-AE-I-D-O, DSN 645-9736 or Commercial (256) 955-9736. Datafax is DSN 645-9536. E-mail is <denise.bouchard@redstone.army.mil>.

b. Logistical point of contact for this TB is Mr. Leonard Monk, AMSAM-DSA-AS-ASH-L, DSN 897-3182 or Commercial (256) 313-3182. Datafax is DSN 645-9536. E-mail is <leonard.monk@redstone.army.mil>.

c. Forms and Records points of contact for this TB are:

(1) Primary – Ms. Ann Waldeck, AMSAM-MMC-RE-FF, DSN 746-5564 or Commercial (256) 876-5564. Datafax is DSN 746-4904 or (256) 876-4904. E-mail is <ann.waldeck@redstone.army.mil>.

(2) Alternate – Mr. Alan Burleson, AMSAM-MMC-RE-FF, DSN 746-4468 or (256) 876-4468. Datafax is DSN 746-4904 or (256) 876-4904. E-mail is <alan.burleson@redstone.army.mil>.

d. Safety points of contact for this TB are:

(1) Primary – Mr. Harry E. Trumbull (SAIC), AMSAM-SF-A, DSN 897-2095 or (256) 313-2095. Datafax is DSN 897-2111 or (256) 313-2111. E-mail is <harry.trumbull@redstone.army.mil>.

(2) Alternate – Mr. Howard Chilton, AMSAM-SF-A, DSN 897-2068 or Commercial (256) 313-2068. Datafax is DSN 897-2111 or Commercial (256) 313-2111. E-mail is <howard.chilton@redstone.army.mil>.

e. Foreign Military Sales recipients requiring clarification of action advised by this TB should contact: CW5 Joseph L. Wittstrom, Security Assistance Management, AMSAM-SA, DSN 897-0410 or Commercial (256) 313-0410. E-mail is <joseph.wittstrom@redstone.army.mil> or Mr. Ronnie W. Sammons, AMSAM-SA-CS-NF, DSN 897-0408 or Commercial (256) 313-0408. Datafax is DSN 897-0411 or Commercial (256) 313-0411. E-mail is <ronnie.sammons@redstone.army.mil>. Huntsville, AL, is GMT minus 5 hours.

f. 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-LS-LP, 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

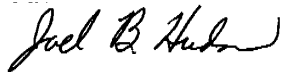
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<ls-lp@redstone.army.mil>, or by datafax at DSN 788-6546 or commercial (256) 842-6546. Instructions for sending a DA Form 2028 by E-mail may be found at the back of most Technical Manuals.

By Order of the Secretary of the Army:

Official:

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



JOEL B. HUDSON
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0027301

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