

URGENT

*TB 1-1520-210-20-51

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

UH-1F SERIES AIRCRAFT MANDATORY INSPECTION AND REMOVAL OF ELEVATOR ASSEMBLIES

Headquarters, Department of the Army, Washington, D. C.

30 October 2000

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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THIS PUBLICATION IS EFFECTIVE UNTIL RESCINDED OR SUPERSEDED.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 6-6.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 the elevator assemblies IAW UH-1-01-ASAM-01 (TB 1-1520-210-20-51) within the next 10 flight hours, but NLT 30 October 2000" Clear the **RED HORIZONTAL DASH//--//** when the procedures IAW paragraphs 8 and 9 are completed. The affected aircraft shall be inspected as soon as practical but NLT 30 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//**.

*This TB supersedes USAAMCOM Aviation Safety Action Message 132030Z Oct 00, UH-1-01-ASAM-01.

b. **Aircraft in Depot Maintenance.** Same as paragraph 1.a.

c. **Aircraft Undergoing Maintenance.** Same as paragraph 1.a.

d. **Aircraft in Transit.**

(1) **Surface/Air Shipment.** Same as paragraph 1.a.

(2) **Ferry Status.**

(a) Same as paragraph 1.a.

(b) Those aircraft that have a DD Form 250 and are at US Helicopters will be inspected prior to Ferry to Final Destination.

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 this message/TB, Depot and Materiel Activity Commanders will ensure the materiel condition tags of all items in all conditions codes listed in paragraph 6 are annotated to read: "UH-1-01-ASAM-01, (TB 1-1520-210-20-51), Not Complied With".

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

(2) **Retail Stock.** Upon receipt of this message, 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 IAW paragraph 10.

g. **Components/Parts in Work. (Depot Level and Others).** Same as paragraph 1.f.

2. **Task/Inspection Suspense Date.** Complete the inspection IAW paragraph 8 within next 10 flight hours but NLT 30 October 2000.

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

4. **Summary of the Problem.**

a. Aviation safety action message UH-1-99-ASAM-01 (TB 1-1520-210-20-42) directed inspection of all UH-1 elevators for a "CF" serial number prefix and established a mandatory removal from service date of 15 October 2000 for all elevators found with this prefix. The original mandatory removal date was based upon the desire to remove discrepant parts from service (with minimum impact on mission operation) and projected delivery of replacement parts. After release of UH-1-99-ASAM-01 (TB 1-1520-210-20-42), the spares contractor entered bankruptcy, and another contractor was required. At this time, deliveries are beginning to occur; however, sufficient quantities will not be available to preclude significant grounding of aircraft. Newly delivered elevators will have a serial number prefix of "RQ".

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

c. **The Purpose of this Message/TB is to:** Extend the mandatory removal date for elevators with a "CF" serial number prefix from 15 October 2000 to 30 June 2001.

5. **End Items to be Inspected.** All UH-1 H/V aircraft.

6. Assembly Components to be Inspected.

NOMENCLATURE	PART NUMBER	NATIONAL STOCK NUMBER
Elevator Assy, L/H	205-030-856-19	1560-00-996-3906
Elevator Assy, R/H	205-030-856-21	1560-00-996-3905

7. Parts to be Inspected. N/A.

8. Inspection Procedures.

a. Gain access to the elevator assembly.

b. Identify and record the serial number on the data plate located on the underneath skin near the trailing edge on the inboard end of the elevator.

c. For elevators with a "CF" serial number prefix, proceed with the correction procedures in paragraph 9.

d. For elevators that do not have a "CF" serial number prefix, the inspection is complete.

9. Corrective Procedures. For elevator assemblies with a "CF" serial number prefix, sign off original **RED DASH //--//** fault from UH-1-99-ASAM-01 (TB 1-1520-210-20-42) IAW with this ASAM/TB, then annotate the aircraft records to require the elevator to be removed from service upon reaching the 3600 hour retirement life, but NLT 30 June 2001.

NOTE

This message does not currently prohibit installation of elevators with a "CF" prefix from stock. However, all elevators with a "CF" prefix, regardless of the date of installation or hours remaining on the 3600 hour retirement life, will be removed from service NLT 30 June 2001.

10. Supply/Parts and Disposition.

a. **Parts Required.** Items cited in paragraph 6 may be required to replace defective items.

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

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

d. **Disposition.** Demilitarize/mutilate IAW TM 1-1500-328-23 any elevator with a prefix of "CF" NLT 30 June 2001.

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 .05 man-hours using 1 person.

(2) Total of .05 hours downtime for one end item.

c. Estimated Cost Impact to the Field.

NOMENCLATURE	P/N	NSN	QTY.	COST EA.
Elevator Assy, L/H	205-030-856-19	1560-00-996-3906	1	\$610.11
Elevator Assy, R/H	205-030-856-21	1560-00-996-3905	1	\$610.04
TOTAL COST PER AIRCRAFT		\$1,220.15		

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 1-1500-328-23, 30 Jul 99.

14. Recording and Reporting Requirements.

a. Reporting Compliance Suspense Date (Aircraft). Upon entering requirements of this message/TB on DA Form 2408-13-1 on all subject mission design series (MDS) 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. Datafax number is DSN 897-2111 or commercial (256) 313-2111. E-mail address is <safeadm@redstone.army.mil>. The report will cite UH-1-01-ASAM-01 (TB 1-1520-210-20-51), 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). N/A

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 (Elevator Assembly).
- (2) DA Form 2408-13, Aircraft Status Information Record.
- (3) DA Form 2408-13-1, Aircraft Inspection and Maintenance Record.
- (4) DA Form 2408-14-1, Uncorrected Fault Record.
- (5) DA Form 2408-15, Historical Record for Aircraft.
- (6) DA Form 2408-16, Aircraft Component Historical Record.
- (7) DA Form 2410, Component Removal and Repair/Overhaul Record (only if elevator assembly is removed/replaced).
- (8) DD Form 1574/DD Form 1574-1, Serviceable Tag/Label - Materiel (Color Yellow). Annotate remarks block with "Inspected serviceable IAW UH-1-01-ASAM-01 (TB 1-1520-210-20-51)".

(9) DD Form 1577/DD Form 1577-1, Unserviceable (Condemned) Tag/Label – Materiel (Color Red). Annotate remarks block with “Condemned IAW UH-1-01-ASAM-01 (TB 1-1520-210-20-51) and Mutilated IAW TM 1-1500-328-23”.

(10) DD Form 1577-2/DD Form 1577-3, Unserviceable (Reparable) tag/label – Materiel (Color Green). Annotate remarks block with “Unserviceable IAW UH-1-01-ASAM-01 (TB 1-1520-210-20-51).”

15. Weight and Balance. N/A.

16. Points of Contact:

a. Technical point of contact for this TB is: Mr. Steve Monaco, AMSAM-RD-AE-I-D-U, DSN 645-0078 or Commercial (256) 955-0078. Datafax is DSN 645-6590 or Commercial (256) 955-6590. E-mail is <steve.monaco@UH.redstone.army.mil>.

b. Logistical point of contact for this TB is Mr. Mike Haragan, AMSAM-DSA-UH-U, DSN 645-0211 or Commercial (256) 955-0211. Datafax is DSN 987-3770 or Commercial (256) 313-3770. E-mail is <mike.haragan@UH.redstone.army.mil>.

c. Forms and Records point of contact for this TB is: Ms. Ann Waldeck, AMSAM-MMC-RE-FF, 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>.

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 Commercial (256) 313-2111. E-mail is <harry.trumbull@redstone.army.mil>.

(2) Alternate – Mr. Signey Hernandez, AMSAM-SF-A, DSN 897-2094 or Commercial (256) 313-2094. Datafax is DSN 897-2111 or Commercial (256) 313-2111. E-mail is <signey.hernandez@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

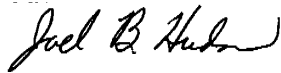
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<ls-lp@redstone.army.mil>, or by datafax at DSN 788-6546 or commercial (256) 842-6546. Instructions for sending a DA Form 2028 by E-mail may be found at the back of most Technical Manuals.

By Order of the Secretary of the Army:

Official:

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



JOEL B. HUDSON
Administrative Assistant to the
Secretary of the Army
0029702

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DOPE ABOUT IT ON THIS FORM.
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SOMETHING WRONG WITH PUBLICATION

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TABLE
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IN THIS SPACE, TELL WHAT IS WRONG
AND WHAT SHOULD BE DONE ABOUT IT.

TEAR ALONG PERFORATED LINE

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THE METRIC SYSTEM AND EQUIVALENTS

WEIGHT MEASURE

1 Centimeter = 10 Millimeters = 0.01 Meters = 0.3937 Inches
 1 Meter = 100 Centimeters = 1000 Millimeters = 39.37 Inches
 1 Kilometer = 1000 Meters = 0.621 Miles

WEIGHTS

Gram = 0.001 Kilograms = 1000 Milligrams = 0.035 Ounces
 1 Kilogram = 1000 Grams = 2.2 lb.
 1 Metric Ton = 1000 Kilograms = 1 Megagram = 1.1 Short Tons

LIQUID MEASURE

1 Milliliter = 0.001 Liters = 0.0338 Fluid Ounces
 1 Liter = 1000 Milliliters = 33.82 Fluid Ounces

SQUARE MEASURE

1 Sq. Centimeter = 100 Sq. Millimeters = 0.155 Sq. Inches
 1 Sq. Meter = 10,000 Sq. Centimeters = 10.76 Sq. Feet
 1 Sq. Kilometer = 1,000,000 Sq. Meters = 0.386 Sq. Miles

CUBIC MEASURE

1 Cu. Centimeter = 1000 Cu. Millimeters = 0.06 Cu. Inches
 1 Cu. Meter = 1,000,000 Cu. Centimeters = 35.31 Cu. Feet

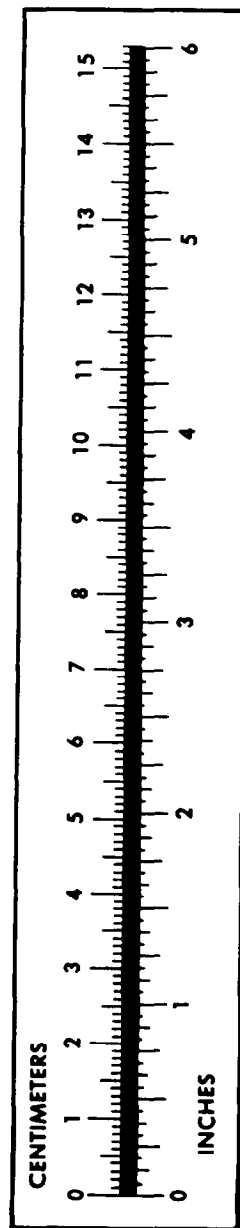
TEMPERATURE

$5/9(^{\circ}\text{F} - 32) = ^{\circ}\text{C}$
 212° Fahrenheit is equivalent to 100° Celsius
 90° Fahrenheit is equivalent to 32.2° Celsius
 32° Fahrenheit is equivalent to 0° Celsius
 $9/5^{\circ}\text{C} + 32 = ^{\circ}\text{F}$

APPROXIMATE CONVERSION FACTORS

TO CHANGE	TO	MULTIPLY BY
Inches	Centimeters	2.540
Feet	Meters	0.305
Yards	Meters	0.914
Miles	Kilometers	1.609
Square Inches	Square Centimeters	6.451
Square Feet	Square Meters	0.093
Square Yards	Square Meters	0.836
Square Miles	Square Kilometers	2.590
Acres	Square Hectometers	0.405
Cubic Feet	Cubic Meters	0.028
Cubic Yards	Cubic Meters	0.765
Fluid Ounces	Milliliters	29.573
its	Liters	0.473
arts	Liters	0.946
allons	Liters	3.785
Ounces	Grams	28.349
Pounds	Kilograms	0.454
Short Tons	Metric Tons	0.907
Pound-Feet	Newton-Meters	1.356
Pounds per Square Inch	Kilopascals	6.895
Miles per Gallon	Kilometers per Liter	0.425
Miles per Hour	Kilometers per Hour	1.609

TO CHANGE	TO	MULTIPLY BY
Centimeters	Inches	0.394
Meters	Feet	3.280
Meters	Yards	1.094
Kilometers	Miles	0.621
Square Centimeters	Square Inches	0.155
Square Meters	Square Feet	10.764
Square Meters	Square Yards	1.196
Square Kilometers	Square Miles	0.386
Square Hectometers	Acres	2.471
Cubic Meters	Cubic Feet	35.315
Cubic Meters	Cubic Yards	1.308
Milliliters	Fluid Ounces	0.034
Liters	Pints	2.113
Liters	Quarts	1.057
ers	Gallons	0.264
ms	Ounces	0.035
ograms	Pounds	2.205
Metric Tons	Short Tons	1.102
Newton-Meters	Pounds-Feet	0.738
Kilopascals	Pounds per Square Inch	0.145
ometers per Liter	Miles per Gallon	2.354
ometers per Hour	Miles per Hour	0.621



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