

URGENT

*TB 1-1520-210-20-59

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

ALL UH-1 SERIES AIRCRAFT INSPECTION OF TURNBUCKLE BODY

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

15 March 2002

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

NOTE

THIS PUBLICATION IS EFFECTIVE UNTIL RESCINDED OR SUPERSEDED.

NOTE

This is an Safety of Flight 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 addresses 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 SOF message/TB 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 turnbuckle IAW UH-1-02-02 (TB 1-1520-210-20-59) at the next scheduled service, but NLT 31 December 2001." Clear the **RED HORIZONTAL DASH //--//** when the procedures IAW paragraphs 8 and 9 are completed. Commanders who are unable to comply with the requirements of this message/TB within the time frame specified will upgrade the affected aircraft status symbol to a **RED //X//**.

*This TB supersedes USAAMCOM Safety of Flight Message 181355Z Dec 01, UH-1-02-02.

b. Aircraft in Maintenance.

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

(2) **Aircraft at Contractor Facility.** U. S. Helicopter will inspect DD 250 aircraft prior to those aircraft departing for ferry to final destination.

c. Aircraft In Transit.

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

(2) **Ferry Status.** Same as paragraph 1.a.

d. Maintenance Trainers (Category A and B). Not applicable.

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 at the next scheduled inspection but NLT 31 December 2001.

3. TAMMS Reporting Compliance Suspense Date. Report compliance IAW paragraph 14.a.(1) NLT 11 January 2002.

4. Summary of Problem.

a. History – UH-1 Safety of Flight message/TB UH-1-01-05 (TB 1520-210-20-54) required the inspection and immediate removal from service all turnbuckles with non-conforming threads and the mandatory removal of any turnbuckle that cannot be identified NLT 31 December 2001 suspense and will not be available by the 31 December 2001 suspense. AMCOM Engineering has determined that turnbuckles that have been inspected IAW SOF UH-1-01-05 (TB 1-1510-210-20-54) and do not exceed the maximum allowable thread diameter but cannot be positively identified may be flown until 30 June 2002 with no decrease in serviceability or increased risk.

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

c. The Purpose of this Message/TB is to revise SOF UH-1-01-05 (TB 1-1510-210-20-54) to allow turnbuckles that cannot be positively identified, but do not exceed the maximum allowable thread diameter, to be flown until 30 June 2002.

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

6. Assembly Components to be Inspected. Same as SOF UH-1-01-05 (TB 1-1520-210-20-54).

7. Parts to be Inspected. Same as SOF UH-1-01-05 (TB 1-1520-210-20-54).

8. Inspection Procedures.

NOTE

Turnbuckles delivered from current contract #DAAH2398G0042TZV7 (identified in SOF UH-1-01-05 (TB 1-1520-210-20-54) with serial numbers beginning with MWFS are serviceable and not under consideration in this message/TB.

a. Inspect the aircraft Form 2408-13-1 to determine if either turnbuckle body requires replacement NLT 31 December 2001 IAW SOF UH-1-01-05 (TB 1-1520-210-20-54).

b. If the turnbuckles are serviceable and can be identified as serviceable IAW SOF UH-1-01-05 (TB 1-1520-210-20-54) the inspection is complete. No further action is required.

c. If either turnbuckle cannot be identified IAW SOF UH-1-01-05 and requires replacement, proceed to paragraph 9.

NOTE

The original SOF required "OK, remove by 12/31/01" to be vibro etched on the non-identifiable turnbuckles. This revision does not require that date to be changed on the part.

9. Corrective Procedures. For parts that passed the maximum allowable thread diameter inspection of UH-1-01-05 (TB 1-1520-210-20-54) and are annotated for removal NLT 31 December 2001, the part is serviceable until 30 June 2002. After the inspection is complete, clear the original **RED HORIZONTAL DASH //--//** entry on the DA Form 2408-13-1. Clear the **RED DIAGONAL \ / ** entry required by SOF UH 1-01-05 and enter a **RED DIAGONAL \ \ ** entry with the following statement "Turnbuckle body requires replacement NLT 30 June 2002 IAW SOF UH-1-02-02 (TB 1-1520-210-20-59)".

10. Supply/Parts and Disposition. Same as SOF UH-1-01-05 (TB 1-1520-210-20-54).

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) Total of 0.5 man-hours using 1 person.

(2) Total of 0 hours downtime for one end item.

c. **Estimated Cost Impact to the Field.** Same as SOF UH-1-01-05 (TB 1-1520-210-20-54).

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.** Not applicable.

13. References.

a. DA PAM 738-751, 15 Mar 99.

b. TM 55-1520-210-23.

c. TM 55-1520-210-23P.

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 UH-1-02-02 (TB 1-1520-210-20-59), date of entry on DA Form 2408-13-1, the Aircraft Mission Design Series (MDS), and serial numbers of aircraft in numerical order.

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

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.

15. Weight and Balance. Not applicable.

16. Points of Contact:

a. Technical point of contact for this TB is: Mr. Darrell Hutson, AMSAM-RD-AE-I-D-U, DSN 897-2350 or Commercial (256) 705-9718. Datafax is DSN 897-9896 or Commercial (256) 705-9896. E-mail is <darrell.hutson@UH.redstone.army.mil>.

b. Logistical point of contact for this TB is Mr. Mike Haragan, AMSAM--DSA-UH-U, DSN 645-0663 or Commercial (256) 955-0663. Datafax is DSN 897-3770 or Commercial (256) 313-3770. E-mail is <mike.haragan@UH.redstone.army.mil>.

c. Wholesale Materiel Point of Contract (Spares) is Ms. Sandy Moore, Defense Supply Center Richmond (DSCR), DSCR-XBD, 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. Frank Roseberry, (SAIC), AMSAM-SF-A, DSN 788-8631 or (256) 842-8631. Datafax is DSN 897-2111 or Commercial (256) 313-2111. E-mail is <frank.roseberry@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>.

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

(1) Primary - Mr. Ronnie W. Sammons, Security Assistance Management, 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>

(2) Alternate – Mr. Paul W. Tarr, Security Assistance Management, AMSAM--SA--CS--NF, DSN 897-6861 or Commercial (256) 313-6861. Datafax is DSN 897-6630 or Commercial (256) 313-6630. E-mail is <paul.tarr@redstone.army.mil>. Huntsville, AL, is GMT minus 5 hours.

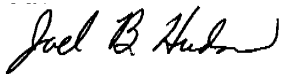
g. After hours contact the AMCOM Command Operations Center (COC) DSN 897-2066/2067 or Commercial (256) 313-2066/2067.

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
Chief of Staff

Official: _____



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

0206002

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THEN...JOT DOWN THE DOPE ABOUT IT ON THIS FORM. CAREFULLY TEAR IT OUT, FOLD IT AND DROP IT IN THE MAIL.

SOMETHING WRONG WITH PUBLICATION

FROM: (PRINT YOUR UNIT'S COMPLETE ADDRESS)

DATE SENT

PUBLICATION NUMBER

PUBLICATION DATE

PUBLICATION TITLE

BE EXACT PIN-POINT WHERE IT IS

PAGE NO.

PARA-GRAPH

FIGURE NO.

TABLE NO.

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

TEAR ALONG PERFORATED LINE

PRINTED NAME, GRADE OR TITLE AND TELEPHONE NUMBER

SIGN HERE

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

1 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

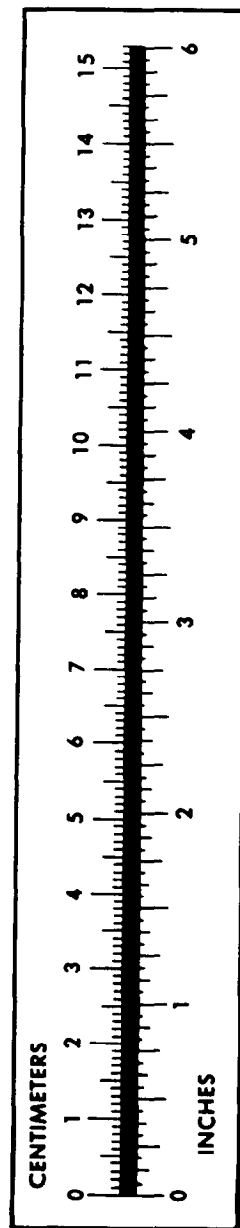
TEMPERATURE

$5/9(^{\circ}\text{F} - 32) = ^{\circ}\text{C}$
 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



PIN: 079905-000