

URGENT

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

**REVISION TO AVIATION SAFETY ACTION MESSAGE
UH-1-98-ASAM-03, MANDATORY INSPECTION
OF TAIL ROTOR CONTROL TUBES
FOR ALL UH-1 SERIES AIRCRAFT**

**Headquarters, Department of the Army, Washington, D. C.
21 January 1999**

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NOTE

THIS PUBLICATION IS EFFECTIVE UNTIL RESCINDED OR SUPERSEDED.

NOTE

THIS PUBLICATION SUPERSEDES TB 1-1520-210-20-40 (UH-1- 98-ASAM-03).

1. Priority Classification. URGENT

NOTE

See AR 95-1, paragraph 6-6 a., for noncompliance authority of major commanders.

a. Aircraft in Use. Upon receipt of this Technical Bulletin (TB), the condition status symbol of the cited aircraft will be changed to a **Red Horizontal Dash (-)**. The **Red Horizontal Dash (-)** may be cleared when the inspection of paragraph 8 below is completed. The affected aircraft shall be inspected as soon as practical but no later than the task/inspection suspense date. Failure to comply with the requirements of this TB within the time frame will cause the status symbol to be upgraded to a **Red X**.

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

* This TB supercedes USAAMCOM Aviation Safety Action Message (ASAM) 091320Z, DEC 98, UH-1-99-ASAM-02 and TB 1-1520-210-20-40, dated 13 April 1998.

c. Aircraft Undergoing Maintenance. Same as paragraph 1.a. Aircraft will not be released until compliance with this TB has been completed.

d. Aircraft in Transit.

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

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

e. Maintenance Trainers (Category A, B, and Others). N/A

f. Component/Parts in Stock at All Levels (Depot and Others) Including War Reserves. Upon receipt of this TB the material condition tags of all items in all condition codes listed in paragraph 7 shall be annotated to read "TB 1-1520-210-20-43 (UH-1-99-ASAM-02) T/R Control Tube inspection not complied with."

(1) **Material Located in Wholesale Stock.** Report receipt of this TB IAW paragraph 14 c.(1). Upon receipt of this TB all serviceable items (condition codes A, B, C, D, and E) listed in paragraph 7 located in wholesale depot storage shall be placed in condition code J and tagged with a DD Form 1575/DD Form 1575-1, Suspended Tag/Label-Material. Do not remove original condition tags. Report compliance with this TB IAW paragraph 14 d.(1).

(2) **Material Located in Retail Stock.** Reporting receipt of this TB is not required. Upon receipt of this TB commanders and others maintaining retail stock at installation level and below shall contact the supported aviation unit to perform the inspection required by paragraph 9 on discrepant material. Disposition of discrepant material will be IAW paragraph 10. Reporting compliance with this TB is not required.

g. Components/Parts in Work. (Depot Level and Others). Items listed in paragraph 7 as in-work will not be issued until compliance with this TB is complete.

2. Task/Inspection Suspense Date. At next phase inspection or by 30 June 1999, whichever occurs first.

3. Reporting Compliance Suspense Date. No later than 20 Dec 1998 IAW paragraph 14 a of this TB.

4. Summary of the Problem.

a. TB 1-1520-210-20-40 (UH-1-98-ASAM-03) directed a one-time inspection of all UH-1 Tail Rotor Control Tubes (P/N 204-010-742-9), with the purpose of removing from service those parts manufactured by Master Swaging. This inspection was to be performed at the next scheduled phase inspection, but no later than 31 December 1998.

b. Several actions are currently underway to expedite delivery of these control tubes. However, supply availability is not expected to improve significantly until May/June 1999. For this reason, the "not later than" date for those aircraft that have not yet reached a phase inspection (since TB 1-1520-210-20-40 (UH-1-98-ASAM-03) was issued), can be safely extended to 30 June 1999. As with original TB 1-1520-210-20-40, if a phase inspection becomes necessary before the 30 June 1999 "not later than" date, this inspection must be accomplished.

c. TB 1-1520-210-20-40 (UH-1-98-ASAM-03) also stated that fatigue testing of several vendors continued, and results of that testing would be provided in a message to be released no later than February 1999. All Tail Rotor Control Tube testing has been completed, and all of the manufactures listed in the previous message (Cage Codes 58822, 22524, 27604, and 97499) have passed testing. Continued special recording of the specific Tail Rotor Control Tube "CAGE Code Installed" on the DA Form 2408-15 is no longer required.

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

e. **The purpose of this TB is** to extend the not later than requirement from TB 1-1520-210-20-40 (UH-1-98-ASAM-03) from 31 December 1998 to 30 June 1999. An additional phase interval is not part of this extension.

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

6. **Assembly Components to be inspected.** N/A.

7. **Parts to be inspected.**

NOMENCLATURE	PART NUMBER	NATIONAL STOCK NUMBER
Control Tube, T/R	204-010-742-9	1615-00-886-5998

8. Inspection Procedures

a. Inspect aircraft records to determine if TB 1-1520-210-20-40 (UH-1-98-ASAM-03) has been complied with. If records indicate that UH-1-98-ASAM-03 (TB 1-1520-210-20-40) has been complied with, annotate the aircraft records that this inspection is complete and no further action is required.

b. If the aircraft records do not indicate compliance with TB 1-1520-210-20-40 (UH-1-98-ASAM-03), proceed to paragraph 8 c.

c. Remove the Tail Rotor Control Tube (TM 55-1520-210-23P, figure 145, item 40) IAW the normal maintenance procedures of TM 55-1520-210-23. Near the center of the tube section of the part, identify the five digit manufacturer's CAGE code.

NOTE

Many parts will have two different five-digit codes marked on the part. The five-digit code 81996 is not the manufacturer's CAGE code. If found, 81996 identifies the part as having been made IAW a government Technical Data Package (TDP). Use the other five-digit code.

d. If the manufacturer's CAGE code on the Control Tube is 58822, 22524, 27604 or 97499, reinstall IAW normal maintenance procedures and annotate the aircraft records that the inspection is complete.

NOTE

If the CAGE code on the part cannot be identified, serial numbers with prefixes "SS29" and "DIFS" are traceable to the above manufacturers and are acceptable.

e. If the manufacturer's CAGE code on the Control Tube is 05056, or anything other than those identified in paragraph 8.d., or if the CAGE code cannot be determined, proceed with the correction procedures in paragraph 9.

9. Correction Procedures. For Control Tubes with CAGE code 05056, or anything other than those listed in paragraph 8 d, or where the CAGE code cannot be determined, remove the Control Tube from service and dispose of IAW paragraph 10 d. Install a serviceable part IAW TM 55-1520-210-23, and annotate in the aircraft records that the inspection is complete.

10. Supply/Parts and Disposition.

a. **Parts Required.** Items cited in paragraph 7 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) XDV.

NOTE

Project code XDV is required to track and establish a data base of stock fund expenditures incurred by the field as a result of TB/ASAM actions.

c. Bulk and Consumable Materials. N/A

d. Disposition. Demilitarize/mutilate IAW TM 1-1500-328-23 any part/component which does not meet inspection criteria.

e. Distribution of Hazardous Material. N/A

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

12. Application.

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

b. Estimated Time Required.

(1) Total of 2.5 man-hours using 2.0 persons.

(2) Total of 3.0 hours downtime for one end item.

c. Estimated Cost Impact of Stock Fund Items to the Field.

NOMENCLATURE	P/N	NSN	QTY	COST EA.	TOTAL \$
T/R Control Tube	204-010-742-9	1615-00-886-5998	1	\$136.00	\$136.00

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. TB 1-1520-210-20-40 (UH-1-98-ASAM-03)

b. TM 1-1500-328-23

c. TM 55-1520-210-23

d. TM 55-1520-210-23P

14. Recording and Reporting Requirements.

a. Reporting Compliance Suspense Date (Aircraft). Upon entering requirements of this TB on DA Form 2408-13-1 for all subject aircraft 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 35898-5222, 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 this TB number, date of entry in DA Form 2408-13-1, the MDS and serial numbers of aircraft in numerical order.

b. Task/Inspection Reporting Suspense Date (Aircraft). N/A**c. Reporting Message Receipt Date (Spares).**

(1) **Material in Wholesale Depot Storage.** Report receipt of this TB by E-mail or datafax to the wholesale material (spares) point of contact listed in paragraph 16.c. within 3 working days from the date of this TB. Provide a local point of contact.

(2) **Material in Retail Storage.** N/A

d. Task/Inspection Reporting Suspense Date (Spares).

(1) **Material in Wholesale Depot Storage.** Report compliance with this TB to the wholesale materiel point of contact (spares) listed in paragraph 16 c. within 7 days of the date of this TB on DD Form 1225. Provide the cost of compliance with this TB to include an estimate of the cost reimbursable funding required to move serviceable items on hand (listed in paragraph 7) to a work area, unpack the material, repack the materiel after inspection by AMCOM inspectors, and to return the materiel to storage, as appropriate. Report, by original serviceable condition code, the quantity of material placed in condition code J. Report by E-mail or datafax and provide a local point of contact.

(2) **Material in Retail Storage.** N/A

e. The following forms are applicable and are to be completed in accordance with DA Pamphlet 738-751, 15 June 1992:**NOTE**

Unit Level Logistics System (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 2408-14, Uncorrected Fault Record.

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

(5) DD Form 1574/DD Form 1574-1, Serviceable Tag/Label-Materiel (color yellow). Annotate remarks block with "Inspected Serviceable IAW TB 1-1520-210-20-43 (UH-1-99-ASAM-02)".

(6) DD Form 1575/DD Form 1575-1, Suspended Tag/Label-Materiel (color brown). Annotate remarks block with "Suspended IAW TB 1-1520-210-20-43 (UH-1-99-ASAM-02)".

(7) DD Form 1577/DD Form 1577-1, Unserviceable (Condemned) Tag/Label-Materiel (color red). Annotate remarks block with "Condemned IAW TB 1-1520-210-20-43 (UH-1-99-ASAM-02) and mutilated IAW TM 1-1500-328-23".

15. Weight and Balance. N/A.**16. Points of Contact**

a. Technical point of contact for this TB is Mr. Steve Monaco, AMSAM-AR-E-I-B-U, DSN 645-0078 or commercial (256) 955-0078. Datafax is DSN 645-6590 or (256) 955-6590, E-mail is <monaco-sd@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 645-6590 or (256) 955-6590, E-mail is <haragan-md@redstone.army.mil>.

c. Wholesale Materiel point of contact (Spares) is Ms. Yulonda Van Buren, AMSAM-MMC-VS-UN, DSN 897-1087 or commercial (256) 313-1087. Datafax is DSN 897-1558 or (256) 313-1558, E-mail is <vanburen-yy@exchange1.redstone.army.mil>.

d. Forms and records point of contact for this TB is Ms. Ann Waldeck, AMSAM-MMC-RE-FD, DSN 746-5564 or commercial (256) 876-5564. Datafax is DSN 746-4904 or (256) 876-4904, E-mail is <waldeck-ab@redstone.army.mil>.

e. Safety point of contact for this TB is Mr. Robert Brock, AMSAM-SF-A, DSN 788-8632 or commercial (256) 842-8632. Datafax is DSN 897-2111 or (256) 313-2111, E-mail is <brock-rd@redstone.army.mil>.

f. Foreign Military Sales (FMS) recipients requiring clarification of action advised by this TB should contact either CW5 Joseph L. Wittstrom, Security Assistance Management, AMSAM-SA, DSN 897-0681 or commercial (256) 313-0681, E-mail is <wittstrom-jl@redstone.army.mil> or Mr. Ronnie W. Sammons, AMSAM-SA-CS-NF, DSN 897-0869 or (256) 313-0869, datafax is DSN 897-0411 or (256) 313-0411, E-mail is <sammons-rw@redstone.army.mil>. Huntsville, AL. is GMT minus 6 hrs.

g. After hours contact 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 35898-5230. A reply will be furnished directly to you. You may also send in your comments electronically to our E-mail address at <is-lp@redstone.army.mil> or by datafax at DSN 788-6546 or commercial (256) 842-6546. Instructions for sending a 2028 by E-mail may be found at the back of some TMs.

By Order of the Secretary of the Army.

DENNIS J. REIMER
General, United States Army
Chief of Staff

Official

JOEL B. HUDSON
Administrative Assistant to the
Secretary of the Army
05292

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To be distributed in accordance with Initial Distribution Number 313805, requirements for TB 1-1520-210-20-43.

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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

NEAR 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

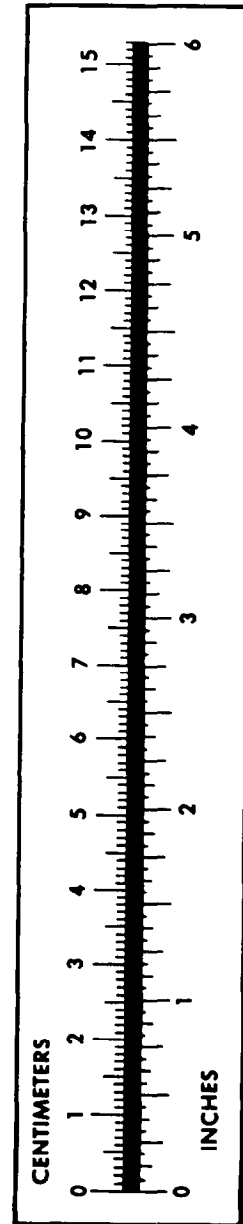
TEMPERATURE

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



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