

URGENT

*TB 1-1520-210-20-58

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

ALL UH-1 SERIES AIRCRAFT INSPECTION OF ROTOR CONTROLS PARTS KIT

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

8 March 2002

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

THIS PUBLICATION IS EFFECTIVE UNTIL RESCINDED OR SUPERSEDED.

NOTE

This is 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 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 rotor control parts kit IAW UH-1-02-01 (TB 1-1520--210--20--58) NLT 21 December 2001." Clear the **RED HORIZONTAL DASH //--//** when the procedures IAW paragraph 8 are completed. The affected aircraft shall be inspected as soon as practical but NLT 21 December 2001. 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 Safety of Flight Message 070030Z Dec 01, UH-1-02-01.

b. Aircraft in Maintenance.

(1) **Aircraft in AVUM, AVIM, or Depot Level Maintenance.** Commanders and Facility Managers will not issue aircraft until they are in compliance with this message/TB.

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

c. Aircraft In Transit.

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

(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. 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 7 are annotated to read: "UH-1-02-01, (TB 1-1520-210-20-58), Rotor Controls Parts Kit, Not Complied With".

(1) **Wholesale Stock.** Not applicable.

(2) **Retail Stock.** Upon receipt of this message/TB, Commanders and Facility Managers maintaining retail stock at installation level and below shall contact the supported aviation unit to perform the procedures required IAW paragraphs 8 and 9 on suspect materiel. Dispose of discrepant materiel will be IAW paragraph 10.d.

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

2. Task/Inspection Suspense Date. Complete the inspection IAW paragraph 8 NLT 21 December 2001.

3. TAMMS Reporting Compliance Suspense Date. Report TAMMS compliance IAW paragraph 14.a.(1) NLT 13 December 2001.

4. Summary of Problem.

a. Safety of Flight Message UH-1-01-06 (TB 1-1520-210-20-56/TB 1-1520-210-20-57) specified that bolts contained in the Rotor Controls Parts Kits are permanently marked with a serial number on one of the wrenching flats. Permanent markings are impressed (etched) into the surface of the wrenching flat. During compliance with UH-1-01-06 (TB 1-1520-210-20-56/TB 1-1520-210-20-57), units discovered that some bolt kits have serial numbers that were ink stamped on the wrenching flats, which are not considered permanently marked. AMCOM Engineering has approved the interim use of kits with ink stamped serial numbers until they are replaced with permanent (etched) serialized kits. Additionally, bolts were discovered without the required cotter pin holes.

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

c. The Purpose of this Message/TB is to:

(1) Require inspection of bolt kits to determine the method used to mark the serial numbers (etched or ink stamp).

(2) Allow the interim installation/use of ink stamped bolt kits until 31 October 2002.

(3) Verify presence of the cotter pin hole in replacement bolt kits.

- 5. **End Items to be inspected.** All UH-1 series aircraft.
- 6. **Assembly Components to be Inspected.** Not applicable.
- 7. **Parts to be Inspected.**

NOMENCLATURE	PART NUMBER	NATIONAL STOCK NUMBER
Rotor Controls Parts Kit	204-1629-2	1615-00-225-5111

8. Inspection Procedures.

a. Conduct records check of DA Form 2408-15 to ensure compliance with Safety of Flight UH-1-01-06 (TB 1-1520-210-20-56/TB 1-1520-210-20-57) prior to completion of the inspection requirements of this SOF.

b. Gain access to installed rotor controls parts kit.

NOTE

Some bolts may be painted. It may be necessary to remove paint to read the serial numbers on the bolts. Inspection of only one bolt is sufficient to determine method of serial number marking for the entire kit.

c. Inspect installed bolt to determine the method used to mark the serial number on the wrenching flats of the bolts.

(1) If serial number is permanently marked (etched), the aircraft inspection is complete. Clear the **RED DASH //--//** entry from paragraph 1.a.

(2) If serial number is ink stamped, perform correction procedures in paragraph 9.

(3) If serial number cannot be found, perform additional records check on DA Forms 2408-13-1 and 2408-13-2 used for the installation of bolt kit IAW UH-1-01-06. If the records cannot verify that a technical inspector confirmed the installation of the specific unmarked bolt(s) replace the bolt kit IAW paragraph 9.b.

d. Inspect replacement rotor controls parts kits in supply as follows:

NOTE

Do not open the shrink wrap. This inspection may be completed by viewing the parts through the clear wrapping.

(1) Inspect the bolts for the presence of cotter pin holes. If the cotter pin hole is missing, the entire kit is unserviceable. Dispose of IAW paragraph 10.d.

NOTE

Parts kits with ink stamped serial numbers may not be issued/used after 31 October 2002. Dispose of discrepant parts IAW paragraph 10.d.

(2) Inspect for permanent (etched) serial numbers on the wrenching flats.

(a) If the bolt serial number is permanently marked (etched), the inspection is complete.

(b) If the bolt serial number is ink stamped, use a permanent marker to mark the kit packaging (shrink wrap) with "DESTROY AFTER 31 October 2002." before returning to retail stock. Ink stamped kits maybe used on an interim basis IAW paragraph 9.

9. Corrective Procedures.

WARNING

The Rotor Controls Parts Kit, P/N 204-1629-2, must be replaced as a kit with all bolts having the same serial number. Replacement of individual bolts within the kit is not authorized.

a. If the serial numbers were ink stamped, make the following entry on the DA Form 2408-13-1: Enter a **RED DIAGONAL \ / ** status symbol with the following statement: "Rotor Controls Parts Kit requires replacement IAW UH-1-02-01 (TB 1-1520-210-20-58) NLT 31 October 2002."

b. If the records cannot verify that a technical inspector confirmed the installation of the specific unmarked bolt(s), enter a **RED //X//** status symbol with the following statement: "Rotor Control Parts Kit requires replacement IAW UH-1-02-01 (TB 1-1520-210-20-58)."

c. Rotor Control Parts Kits in supply that have ink stamped serial numbers may be used to replace unserviceable kits only as an interim measure. Comply with procedures IAW paragraph 9.a.

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) "X10" (X-RAY-ONE--ZERO).

NOTE

Project Code "X10" 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.** Not applicable.

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

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.** 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 man-hours using 1 person.

(2) Time for Repair/Replacement:

(a) Total of 4 man-hours using 1 person.

(b) Total of 4 hours downtime for one end item.

c. Estimated Cost Impact to the Field.

NOMENCLATURE	PART NUMBER	NATIONAL STOCK NUMBER	QTY.	COST EA.
Parts Kit, Rotor Controls	204-1629-2	1615-00-225-5111	1	\$442.53
TOTAL COST PER AIRCRAFT		\$442.53		

d. **TB/MWOs to be Applied Prior to or Concurrently with this Inspection.** TB 1-1520-210-20-56/TB 1-1520-210-20-57 (UH-1-01-06).

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 55-1520-210-23-1, 30 Sep 87.
- c. TM 55-1520-210-23P-1, 27 Feb 81.
- d. TM 1-1500-328-23, 30 Jul 99.
- e. UH-1-01-06 (TB 1-1520-210-20-56/TB 1-1520-210-20-57).

14. Recording and Reporting Requirements.

a. Aircraft.

(1) Reporting Compliance Suspense Date. Upon entering requirements of this message/TB on DA Form 2408-13-1 for all affected 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-1-02-01 (TB 1-1520-210-20-58), date of entry on DA Form 2408-13-1, aircraft mission design series (MDS), and serial numbers of aircraft in numerical order.

(2) Task/Inspection Reporting Suspense. No special report of the results of this inspection is required.

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) DA Form 2408-16, Aircraft Component Historical Record.

(5) DA Form 2410, Component Removal and Repair/Overhaul Record (only if kit is removed/replaced, for local use only).

(6) DD Form 1577/DD Form 1577--1, Unserviceable (Condemned) Tag/Label – Materiel (Color Red). Annotate remarks block with “Condemned IAW UH-1--01-06 (TB 1-1520-210-20-56/TB 1-1520-210-20-57) 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. Ralph Vemmer, AMSAM-RD-AE-I-D-U, DSN 897-2350 or Commercial (256) 705-9719. Datafax is DSN 897-9896 or Commercial (256) 705-9896. E-mail is <ralph.vemmer@UH.redstone.army.mil>.

b. Logistical point of contact for this TB is Mr. Howard Reeves, AMSAM-DSA-UH-U, DSN 645-0624 or Commercial (256) 955-0624. Datafax is DSN 897-3805 or Commercial (256) 313-3805. E-mail is <howard.reeves@UH.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. 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, 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, 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.

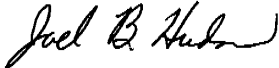
17. Reporting of Errors and Recommending Improvements. You can improve this TB. If you find any mistakes or if you know of a way to improve these procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) directly to: Commander, US Army Aviation 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
0206003

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RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS



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

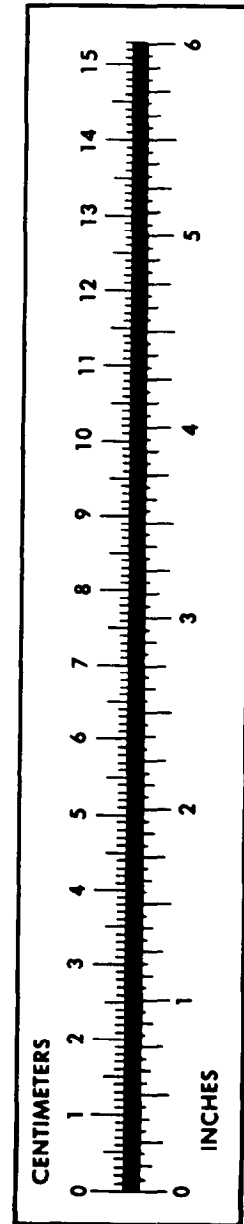
TEMPERATURE

$5/9(^{\circ}\text{F} - 32) = ^{\circ}\text{C}$
 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: 079906-000