

URGENT

\*TB 1-1520-240-20-84

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

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ONE TIME INSPECTION OF  
THE FORWARD CONTROL INSTALLATION FOR THE  
MANUFACTURER OF P/N 114R3650-3 BOLT  
ASSEMBLIES  
FOR  
ALL CH-47D, MH-47D, AND MH-47E AIRCRAFT

Headquarters, Department of the Army, Washington, D. C.  
12 JULY 1996

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

**NOTE**

THIS PUBLICATION IS EFFECTIVE UNTIL RESCINDED OR SUPERSEDED.

**1. Priority Classification - Urgent.**

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 - Same as paragraph 1a.

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

d. Aircraft in Transit -

(1) Surface/Air Shipment - Within 10 hours or 14 days of arrival.

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

e. Maintenance Trainers (Category A and B) - Same as paragraph 1a

f. Component/Parts in Stock at All Levels (Depot and Others) Including War Reserves - Upon receipt of this TB the Materiel condition tags of all items in all condition codes listed in paragraph 7 below shall be annotated to read TB 1-1520-240-20-84, Screening of Pivot Bolts Not Complied With.

\*This TB supersedes USAATCOM Message 241344Z June 1996 (CH-47-96-ASAM-05)

(1) Materiel Located in All Wholesale Depots Including All Satellite Wholesale Depots and War Reserve Depots - Report receipt of this TB in accordance with paragraph 14c(1). Upon receipt of this TB depot commanders and others maintaining wholesale stock shall ensure that serviceable materiel (condition codes "A", "B", and "C" is placed in condition code "J" and tagged with a suspended tag/label - materiel DD Form 1576/1576-1. Annotate the remarks block with TB 1-1520-240-20-84, Screening of Pivot Bolts Not Complied With. Do not remove existing materiel condition tags. Report compliance with this TB in accordance with paragraph 14d(1).

(2) Materiel Located in Installation/Unit Storage - Report receipt of this TB in accordance with paragraph 14c(2). Upon receipt of this TB, commanders and others maintaining retail stock shall contact the supported aviation organization to perform the inspection required by paragraph 8 and to perform the correction procedures of paragraph 9 on discrepant materiel. Report compliance with this TB in accordance with paragraph 14d(2).

**2. Task/Inspection Suspense Date** - Within 10 hours/ 14 days.

**3. Reporting Compliance Suspense Date** - No later than 16 July 1996 per paragraph 14a of this TB.

**4. Summary of the Problem.**

a. The rotary wing head controls bolt assembly, P/N 11 4R3650-3, a flight safety part, is being manufactured by a vendor, Accurate Tool Co., that is not listed as an approved source in the U.S. Aviation Troop Command spares Technical Data Package (TDP). Bolt Assemblies, P/N 114R3650-3, that were manufactured by Accurate have been found in the field. Since they are not listed in TDP, none of their bolts have gone through a rigid First Article Testing as those manufacturers listed in the TDP.

b. For manpower/downtime and funding impacts - See paragraph 12.

c. The purpose of this TB is to inspect and replace the rotary wing head controls bolts assemblies, P/N 114R3650-3, that were manufactured by Accurate Tool Co. Inspect per paragraph 8.

**5. End Items to be Inspected** - All CH-47D, MH-47D, and MH-47E aircraft.

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

NOMENCLATURE	PART NUMBER	NATIONAL STOCK NUMBER
FWD CONTROLS INSTL	145R3550	None assigned

**7. Parts to be Inspected -**

NOMENCLATURE	PART NUMBER	NATIONAL STOCK NUMBER
BOLT ASSY - ROTARY WING HEAD CONTROL	114R3650-3	1615-00-003-1146

**8. Inspection Procedures** - Inspect the forward control installation for manufacturer of the rotary wing head control bolt assembly, P/N 114R3650-3. If manufacturer is not Accurate Tool Co., then no further action is required. Accurate has vibro-etched their company name on top of the bolt head. If the manufacturer is Accurate Tool proceed to paragraph 9.

**9. Correction Procedures** - If the bolt assembly is manufactured by Accurate Tool Co. replace it with another vendor assembly.

**10. Supply/Parts and Disposition -**

a. Parts Required - Items cited in paragraphs 6 and 7 may be required to replace defective items.

b. Requisitioning Instructions - Requisition replacement parts through normal supply channels using normal supply procedures. All requisitions shall use project code "XCC" per this TB.

**NOTE**

Project code "XCC" is required to track and establish a data base of stock fund expenditures incurred by the field as a result of this TB.

- c. Bulk and Consumable Materials - Inspect all P/N 114R3650-3 bolts for Accurate Tool Co.
- d. Disposition - Mutilate any bolt assembly that does not meet inspection criteria in accordance with TM 1-1500-328-23.
- e. Disposition of Hazardous Materiel - 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 one man-hour using one person.
  - (2) Total of one hour downtime for one end item.
- c. Estimated cost impact of stock fund items to the field - \$39.69

<b>NOMENCLATURE</b>	<b>PART NUMBER/ NATIONAL STOCK NUMBER</b>	<b>QTY</b>	<b>COST EACH</b>
BOLT ASSY - ROTARY	114R3650-3/1615-00-003-1146	4	\$39.69
WING HEAD CONTROL			

Total Cost Per Aircraft = \$158.76

- 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. TM 1-1500-328-23
- b. TM 55-1520-240-23
- c. TM 1-1520-252-23
- d. TM 55-1520-240-23P

**14. Recording and Reporting Requirements -**

a. Reporting Compliance Suspense Date (Aircraft) - Upon entering requirements of this TB on DA Form 2408-13-1 on all subject MDS aircraft, forward a priority message, datafax or E-Mail to Commander, ATCOM, ATTN: AMSAT-R-X (SOF Compliance Officer), per AR 95-3. Datafax number is DSN 693-2064 or commercial (314) 263-2064. E-Mail address is "amsatrxs@st-louis-emh4.army.mil". The report will cite this TB number, date of entry in DA Form 2408-13-1, the aircraft mission design series and serial numbers of air- craft In numerical order.

b. Task/Inspection Reporting Suspense Date (Aircraft) - Upon completion of inspection, units will forward a priority message to: Commander, ATCOM, ATTN. AMCPM-CH, the logistical point of contact listed below. The report will cite this TB, date of Inspection, aircraft serial number, aircraft and component hours, and results of the inspection. Inspection and reports will be completed no later than 10 days after Task/Inspection Suspense Date.

c. Reporting Compliance Suspense Date (Spares) -

(1) Materiel in Wholesale Depot Storage. Report receipt of this TB to the wholesale materiel (spares) point of contact listed in paragraph 16c within 3 working days from the date of this TB.

(2) Materiel in Retail Storage. Report receipt of this TB to logistical point of contact listed in paragraph 16b within 7 days from the date of this TB.

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

(1) Materiel In Wholesale Depot Storage - Report compliance with this TB to the wholesale materiel point of contact (spares) listed in paragraph 16c within 7 days of the date of this message. Provide an estimate of the cost reimbursable funding required to move the items listed in paragraph 6 to a work area, unpack the materiel, repack the materiel after inspection by ATCOM inspectors, and to return the materiel to storage. Report, by original serviceable condition code, quantity of materiel placed in condition code "J".

(2) Materiel in Retail Storage - Report compliance with this TB to the logistical point of contact in paragraph 16b within 14 days of the date of this TB. Report the quantity inspected by condition code and the resulting condition code.

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

- (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 (if rotary wing head is replaced).
- (5) DA Form 2410, Component Removal and Repair/Overhaul Record (if rotary wing head is replaced).

**15. Weight and Balance - N/A.**

**16. Points of Contact -**

a. Technical point of contact for this TB is Mr. Robert A. Lawyer, AMSAT-R-ECC, DSN 693-6679/-3820 or commercial (314)263-6670/-3820, respectively.

b. Logistical point of contact for this TB is Mr. Norm Huston, AMCPM-CH-L, DSN 693-1415 or commercial (314)263-1415, data fax DSN 693-1485 or commercial (314)263-1485.

c. Wholesale Materiel point of contact (spares) for this TB is Mr. Hal Barnes, AMSAT-I-SACA, DSN 693-6031 or commercial (314)263-6031 and Data Fax DSN 693-6022 or commercial (314)263-6022.

d. Forms and records point of contact for this TB is Ms. Ann Waldeck, AMSAT-I-MDM, DSN 490-2318 or commercial (314)260-2318.

e. Safety point of contact for this TB is Mr. Jim Wilkens. AMSAT-R-X, DSN 693-2258 or commercial (314)263-2258.

f. Foreign Military Sales (FMS) recipients requiring clarification of action advised by this TB should contact Mr. Ron Van Rees, AMSAT-I-IAF, DSN 693-3826/-3659 or commercial (314)263-3826/-3659.

g. After hours contact ATCOM Command Operations Center (COC) DSN 693-2066/-2067 or commercial (314)263-2066/-2067.

**17. Reporting of Errors and Recommending Improvements.** You can help 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 Troop Command, ATTN: AMSAT-I-MP, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798. A reply will be furnished to you. You may also submit your recommended changes by E-mail directly to <mpmt%/oavma28@st-louis-emh7.army.mil>. A reply will be furnished directly to you.

By Order of the Secretary of the Army:

DENNIS J. REIMER  
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