

URGENT

TB 1-1520-240-20-165

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

MANDATORY MAINTENANCE FOR ALL M24/M240H CAM FOLLOWER CH-47D AND CH-47F AIRCRAFT

Headquarters, Department of the Army, Washington D.C.
15 March 2006

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

NOTE

This message is effective until rescinded or superseded.

NOTE

This message is issued IAW AR 95-1 and has not been transmitted to units subordinate to addressees. Addressees will immediately retransmit this message to all subordinate units, activities or elements affected or concerned. MACOMs will immediately verify this transmission to the AMCOM SOF Compliance Officer (AMSAM-SF-A, safeadm@redstone.army.mil).

NOTE

MACOM commanders may authorize temporary exception from message requirements IAW AR 95-1, Ch 6. 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 consequences of continued aircraft operation.

NOTE

Commanders unable to comply with the requirements of this message within the time frame specified will change the affected aircraft status symbol to a Red //X//.

1. SUMMARY.

a. Background. M240H machine gun mounts being used in conjunction with the M24 gun mounts have been found to have excessive wear on their Cam Followers. The Cam Follower's function is to limit the gun's elevation to preclude shooting the helicopter blades. The Cam Follower is currently being redesigned to eliminate the occurrence of this excessive wear.

b. Message Purpose:

(1) Inspect M240H machine gun mount Cam Followers, used in conjunction with M24 gun mounts, for excessive wear.

(2) Implement requirement for recurring inspections of the M240H machine gun mount Cam Followers.

2. END ITEMS AFFECTED. All CH-47 Series Aircraft.

3. ASSEMBLIES/COMPONENTS/PARTS AFFECTED.

a. Suspect/discrepant assemblies/components/parts:

NOMENCLATURE	PN	NSN
M240H MOUNT CAM FOLLOWER	FNX04100	1005-01-534-6798

b. Additional assemblies/components/parts to be inspected:

NOMENCLATURE	PN	NSN
LEFT MOUNT ASSEMBLY	11699655	1005-01-507-3874
RIGHT MOUNT ASSEMBLY	11699658	1005-01-507-3875

NOTE

When complying with the requirements of this message, complete forms and records entries IAW DA PAM 738-751. ULLS-A units will use appropriate "E" forms.

4. INITIAL TAMMS (THE ARMY MAINTENANCE SYSTEM) COMPLIANCE REQUIREMENTS.

a. Upon receipt of this message, make the following entry on the DA Form 2408-13-1. Enter a Red Horizontal Dash // status symbol with the following statement: "Comply with requirements of CH-47-06-ASAM-02 prior to next armed flight, but NLT 10 Mar 06."

NOTE

The TAMMS compliance reporting form is available at "www.redstone.army.mil/sof/tamms.xls" (use lower case letters only) or may be obtained from the units servicing LAR. Alternate forms may be approved by the AMCOM SOF Compliance Officer.

NOTE

The TAMMS Compliance Report only confirms the unit has made the initial logbook entry for assigned aircraft. TAMMS Compliance Reports will include aircraft serial numbers (in numerical order), date of entry on DA Form 2408-13-1, unit address, local POC name and phone number.

b. TAMMS Compliance Report. Submit TAMMS Compliance Report via priority email to "safeadm@redstone.army.mil" NLT 6 Mar 06 IAW AR 95-1. If email is not available, the report may be faxed to: SOF Compliance Officer at DSN 897-2111 or (256) 313-2111

5. TASK/INSPECTION COMPLIANCE REPORTING REQUIREMENTS.

NOTE

The Task/Inspection Reporting Form is available at "www.redstone.army.mil/sof/log.xls" (use lower case letters only) or may be obtained from the units servicing LAR. This report will cite the message number, date of inspection, aircraft serial number, aircraft hours, component serial number, component hours, and results of the inspection.

a. Aircraft. Submit Task/Inspection Compliance Report for this message to Cargo PM Customer Service POC NLT 13 Mar 06.

b. Retail Stock. (Installation level and below) - N/A.

- c. Wholesale Stock. (Including Depot stock, Depot Maintenance and Single Stock Fund) - N/A.

6. SPECIAL PROVISIONS TO MESSAGE REQUIREMENTS (AIRCRAFT).

- a. Aircraft in AVIM or Depot level maintenance - Commanders, facility managers and contractors will not issue aircraft until they are in compliance with this message.
- b. Aircraft at Contractor Facility - DD 250 aircraft will be in compliance with this message prior to departure.

7. TECHNICAL PROCEDURES/INSTRUCTIONS.

NOTE

This message includes a supplement. If the supplement is not included with this message, it may be downloaded at (use lower case letters only):

"<https://ams14.redstone.army.mil/safety/sof/pic/c47a0602.pdf>". This is a secured website which requires an Army Knowledge Online (AKO) ("www.us.army.mil") ID and password. Adobe Reader or Adobe Acrobat, Version 6 or higher, is required to view the Supplement. Adobe Reader may be downloaded free of charge from "www.adobe.com".

- a. Inspect aircraft to determine if M24 door/window mounted helicopter armament subsystem, PN 11691606, NSN 1005-00-763-1404, is installed. The system includes both the left (window) and right (door) side M24 gun mount assemblies.

- (1) If the M24 door/window mounted helicopter armament subsystem is installed proceed to para 7.b.
- (2) If the M24 door/window mounted helicopter armament subsystem is not installed proceed to para 7.f.

- b. Determine if M240H machine guns are utilized.

- (1) If the aircraft does not utilize M240H machine guns, proceed to para 7.f.
- (2) If the aircraft utilizes M240H machine guns, proceed to para 7.c.

- c. Inspect Cam Follower for wear. Determine the point of maximum wear on the Cam Follower (PN FNX04100). Using a depth gauge, or other suitable device, measure the depth of the wear. Refer to supplement.

- (1) If the maximum wear is not greater than 0.1 inches, proceed to para 7.e.
- (2) If the maximum wear is greater than 0.1 inches and a new Cam Follower is available, proceed to para 7.d.
- (3) If the maximum wear is greater than 0.1 inches and a new Cam Follower is not available, complete the following:

- (a) Make the following entry on the DA Form 2408-13-1. Enter a Red Diagonal \\\ status symbol with the following statement: "[LS/RS] M240H Machine Gun Mount Cam Follower requires replacement IAW CH-47-06-ASAM-02".

- (b) Commanders of deployed aircraft may authorize temporary use of the suspect Cam Followers (based on mission requirements) until replacements are made available. Crewmembers will be briefed that elevating the gun to its maximum up limit while firing in flight can result in rounds impacting the aircraft's rotor blades.

- (c) Remove and replace Cam Follower immediately upon receipt of a new Cam Follower.

- d. Replacement Of Cam Follower (PN FNX04100) (if required). Replace defective Cam Followers IAW TM 9-1005-262-13, para 4-32.

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e. Recurring Inspection Of Cam Follower. When installed, perform a daily recurring inspection of all M240H Cam Followers (PN FNX04100) IAW this message (refer to para 12.b.).

f. M24/M240H guns and associated mounts (window and door) currently in storage will also be inspected for compliance with this message.

g. Clear the initial entry from para 4.a. and note compliance on DA Form 2408-15.

8. PROCEDURES/INSTRUCTIONS FOR ASSEMBLIES/COMPONENTS/PARTS IN WORK OR IN STOCK (AT ALL LEVELS INCLUDING WAR RESERVES). Annotate the serviceability tag with: "CH-47-06-ASAM-02, M24/M240H Cam Follower, not complied with". Do not remove original condition tags. Comply with the requirements of this message prior to installation.

9. SPECIAL TOOLS AND FIXTURES REQUIRED. N/A.

10. SUPPLY/PARTS (REQUISITION/DISPOSITION).

a. Parts Required.

NOMENCLATURE	PN/NSN	QTY	COST EA.	TOTAL \$
CAM FOLLOWER	FNX04100/ 1005-01-534-6798	2	\$99.72	\$199.44

TOTAL COST PER AIRCRAFT = \$199.44

b. Bulk and Consumable Materials - N/A.

c. Requisitioning Instructions - Requisition replacement parts using normal supply procedures. All requisitions shall use Project Code (CC 57-59) "X3T" (X-Ray-Three-Tango). Contact the local servicing TACOM LAR if additional assistance is required.

NOTE

Project Code "X3T" is required to track and establish a data base of stock fund expenditures incurred by the field as a result of message actions.

d. Disposition of Discrepant Parts/Components - Demilitarize/mutilate IAW TM 1-1500-328-23.

e. Disposition of Hazardous Material - IAW Environmental Protection Agency directives as implemented by your servicing environmental coordinator (AR 200-1).

11. MAINTENANCE APPLICATION.

a. Category of Maintenance - AVUM.

b. Estimated Time Required.

(1) Time to complete inspection - Total of 0.2 man-hours using 1 person.

(2) Time for Repair/Replacement - Total of 2 man-hours using 1 person with 0.0 hours "Not Mission Capable Maintenance" (NMCM) time per end item.

12. PUBLICATION REQUIREMENTS.**a. References:**

- (1) AR 95-1.
- (2) AR 200-1.
- (3) DA Pam 738-751.
- (4) TM 1-1500-328-23.
- (5) TM 1-1520-240-10.
- (6) TM 9-1005-262-13.

b. Publication changes - TM 1-1520-240-23-1 shall be changed as follows. A copy of this message will be used as authority to implement the change until the official change is received. Add the following Special Inspection to page 1-361, Task 1-92, as Reference number 1.1, Frequency; Prior to armed flight with M240H Machine Guns; "Inspect M240H Machine Gun Cam Follower (FNX04100) for wear. Maximum depth wear is 0.1 inches."

13. POINTS OF CONTACT.**a. AMCOM Technical POCs are:**

(1) Primary. Michael B. Moore, AMSRD-AMR-AE-C, DSN 897-3617 or (256) 313-3617. Fax is DSN 897-4726 or (256) 313-4726. Email is "michael.moore@peoavn.redstone.army.mil".

(2) Alternate. James R. Hamilton, AMSRD-AMR-AE-C, DSN 897-3380 or (256) 313-3380. Fax is DSN 897-4726 or (256) 313-4726. Email is "james.hamilton@peoavn.redstone.army.mil".

b. Cargo PM Customer Service POCs are:

(1) Primary. James T. Appleton, SFAE-AV-CH-L, DSN 897-0729 or (256) 313-0729. Fax is DSN 897-4726 or (256) 313-4726. Email is "james.appleton@peoavn.army.mil".

(2) Alternate. Bill Olson, SFAE-AV-CH-L, DSN 897-0721 or (256) 313-0721. Fax is DSN 897-4726 or (256) 313-4726. Email is "william.olson@peoavn.army.mil".

c. TACOM Item Manager (Logistical) POCs are:

(1) Primary. Ms. Linda Walker, TACOM, AMSTA-LC-CSAU, Rock Island, IL, DSN 793-0055 or (309) 782-0055. Fax is DSN 793-0024. Email is "linda.c.walker@us.army.mil".

(2) Alternate. Mr. Scott Johnson, TACOM, AMSTA-LC-CSAU, Rock Island, IL, DSN 793-2364 or (309) 782-2364. Fax is DSN 793-0024. Email is "scott.johnson4@us.army.mil".

d. Forms and Records POCs are:

(1) Primary. Ms. Ann Waldeck, AMSAM-MMC-MA-NM, DSN 746-5564 or (256) 876-5564. Fax is DSN 746-4904 or (256) 876-4904. Email is "ann.waldeck@redstone.army.mil".

(2) Alternate. Ms. Sibyl Johnson, AMSAM-MMC-MA-NM, DSN 788- 6696 or (256) 842-6696. Fax is DSN 746-4904 or (256) 876-4904. Email is "sibyl.johnson@redstone.army.mil".

e. Safety POCs are:

(1) Primary. Mr. Randall Rushing (SAIC), AMSAM-SF-A, DSN 897- 2092 or (256) 313-2092. Fax is DSN 897-2111 or (256) 313-2111. Email is randall.rushing@us.army.mil".

(2) Alternate. Mr. Russell Peusch, AMSAM-SF-A, DSN 788-8632 or (256) 842-8632. Fax is DSN 897-2111 or (256) 313-2111. Email is russell.peusch@redstone.army.mil".

f. Foreign Military Sales POC is Mr. Ronnie W. Sammons, AMSAM- SA-AS-UT, DSN 897-0875 or (256) 313-0875. Fax is DSN 897-0411 or (256) 313-0411. Email is ronnie.sammons@redstone.army.mil".

g. After hours contact the AMCOM Operations Center (AOC) DSN 897-2066/7 or (256) 313-2066/7.

NOTE

A listing of published safety messages can be viewed at ["https://ams14.redstone.army.mil/safety/sof/index.html"](https://ams14.redstone.army.mil/safety/sof/index.html). This is a secured website which requires an Army Knowledge Online (AKO) ("www.us.army.mil") ID and password.


14. REPORTING OF ERRORS AND RECOMMENDING IMPROVEMENTS.

You can help improve this publication. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) directly to: Commander, U.S. Army Aviation and Missile Command, ATTN: AMSAM-MMC-MA-NP, Redstone Arsenal, AL 35898-5000. You may also submit your recommended changes by E-Mail directly to 2028@redstone.army.mil or by fax (256) 842-6546/DSN 788-6546. A reply will be furnished directly to you. Instruction for sending an electronic 2028 may be found at the back of this publication.

By Order of the Secretary of the Army:

PETER J. SCHOOMAKER
General, United States Army
Chief of Staff

Official:


JOYCE E. MORROW
Administrative Assistant to the
Secretary of the Army
0607402

DISTRIBUTION:

To be distributed in accordance with Initial Distribution Number (IDN) 314167, requirements for TB 1-1520-240-20-165.

These are the instructions for sending an electronic 2028

The following format must be used if submitting an electronic 2028. The subject line must be exactly the same and all fields must be included; however, only the following fields are mandatory: 1, 3, 4, 5, 6, 7, 8, 9, 10, 13, 15, 16, 17, and 27.

From: "Whomever" whomever@avma27.army.mil
To: 2028@redstone.army.mil
Subject DA Form 2028

1. **From:** Joe Smith
2. **Unit:** home
3. **Address:** 4300 Park
4. **City:** Hometown
5. **St:** MO
6. **Zip:** 77777
7. **Date Sent:** 19-OCT-93
8. **Pub no:** 55-2840-229-23
9. **Pub Title:** TM
10. **Publication Date:** 04-JUL-85
11. **Change Number:** 7
12. **Submitter Rank:** MSG
13. **Submitter FName:** Joe
14. **Submitter MName:** T
15. **Submitter LName:** Smith
16. **Submitter Phone:** 123-123-1234
17. **Problem:** 1
18. **Page:** 2
19. **Paragraph:** 3
20. **Line:** 4
21. **NSN:** 5
22. **Reference:** 6
23. **Figure:** 7
24. **Table:** 8
25. **Item:** 9
26. **Total:** 123
27. **Text:**

This is the text for the problem below line 27.

