

URGENT

*TB 1-1520-240-20-100

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

EXTENSION FOR REPLACEMENT OF AFT LANDING GEAR DRAG LINK ASSEMBLIES SUSCEPTIBLE TO STRESS CORROSION CRACKING FOR ALL CH-47D, MH-47D, AND MH-47E AIRCRAFT

Headquarters, Department of the Army, Washington, D. C.
29 October 1997

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THIS PUBLICATION IS EFFECTIVE UNTIL RESCINDED OR SUPERSEDED.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 requirement of this message within the timeframe 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. Same as paragraph 1a.

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

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

*This TB supersedes USAAMCOM Message 231737Z OCT 97 CH-47-98-ASAM-02.

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f. Component/Parts in Stock Including War Reserves at All Levels (Depot and Others) including war reserves. N/A.

(1) Wholesale Stock. N/A.

(2) Retail Stock. N/A.

g. Components/ Parts in Work (Depot Level and Others). N/A.

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

3. **Reporting Compliance Suspense Date.** No later than 17 November 1997 per paragraph 14.a of this TB.

4. **Summary of the Problem.**

a. Aviation safety action message CH-47-96-ASAM-01 (TB 1-1520-240-20-80) was issued to inspect and remove aft landing gear drag links that were susceptible to stress corrosion cracking. Susceptible drag links were identified with a number "3" painted/marked on the drag link. Drag links with a number "5" were not susceptible and did not require replacement. CH-47-96-ASAM-01 (TB 1-1520-240-20-80) required that the susceptible drag links be replaced within 24 months from the date of the ASAM. This coincides to a final replacement date of 6 November 1997.

b. For manpower/downtime and funding impacts, see paragraph 12.

c. The purpose of this TB is to extend the final date in which replacement of the aft landing gear drag link is required. A system safety risk assessment has been written to identify the additional risk associated with this extension.

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

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

NOMENCLATURE	PART NUMBER	NATIONAL STOCK NUMBER
AFT LANDING GEAR ASSEMBLY	114L2329-2	1620-00-107-4529
AFT LANDING GEAR ASSEMBLY	114L2329-3	1620-00-107-4529

7. **Parts to be Inspected.** N/A

8. **Inspection Procedures.** Check the aircraft records (2408-13-1, 2408-14, 2408-15) to determine if replacement of the aft landing gear drag link assembly, P/N 114L2329 is required in accordance with CH-47-96-ASAM-01. If replacement is required, see paragraph 9 for further instructions. If replacement of the aft landing gear drag link assembly is not required, no further action is required.

9. **Correction Procedures.** If replacement of the aft landing gear drag link assembly is required in accordance with CH-47-06-ASAM-01, perform the following. Annotate in the appropriate records that replacement of the aft landing gear drag link assembly is required by 30 April 1999 in accordance with this TB. In addition, annotate on DA Form 2408-13 and DA Form 2408-13-1 that the aircraft is restricted from practice roll-on landings until the suspect aft landing gear drag link is relaced. Aircraft status under this condition is circled red "X". Replacement drag links from Defense Logistics Agency (DLA) are all "5". Parts received from supply not identified as such should be marked with paint or permanent marker identifying them as "5".

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

a. Parts Required. Items cited in paragraph 6 are defective and are required to be replaced. The following hardware may also be required to replace the drag link.

NOMENCLATURE	PART NUMBER	NATIONAL STOCK NUMBER
PIN, COTTER	MS24665-378	5315-00-899-4118
WASHER, FLAT	AN960-616L	5310-00-167-0837

NOMENCLATURE	PART NUMBER	NATIONAL STOCK NUMBER
PIN, COTTER	MS24665-447	5315-00-230-8030
NUT, PLAIN, CASTELLATED	MS21025-28	5310-00-838-0264
WASHER, FLAT	114L2378-1	5310-00-880-4518
PIN, FULCRUM	114L2356-1	5315-00-868-9794
NUT, SELF-LOCKING	MS21083-N6	5310-00-926-1852
BOLT, MACHINE	AN6-37A	5306-00-275-9560
NUT, PLAIN, CASTELLATED	AN310-16	5310-00-167-1294
WASHER, FLAT	114L2054-1	5310-00-865-9359
PIN, SHOULDERED, HEADLE	114L2353-1	5315-00-869-0719

b. Requisitioning Instructions. Requisition replacement parts through normal supply channels using normal supply procedures. All requisitions shall use project code "XBN", "X-RAY-BRAVO-NOVEMBER", per this TB.

NOTE

Project code "XBN", "X-RAY-BRAVO-NOVEMBER", is required to track and establish a data base of stock fund expenditures incurred by the field as a result of ASAM/SOF actions.

c. Bulk and Consumable Materials. N/A.

d. Disposition. N/A

e. Disposition of Hazardous Material. In accordance with Environmental Protection Agency directives as implemented by your servicing environmental coordinator.

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. Total of 14 manhours using 3 persons per drag link.

c. Estimated Cost Impact to the Field.

NOMENCLATURE	PART NUMBER	NATIONAL STOCK NO.	COST EACH
AFT LANDING GEAR ASSEMBLY	114L232902	1620-00-107-4529	\$3711.12

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. TB 1-1520-240-20-100 will supercede TB 1-1520-240-20-80.

13. References.

a. Aviation safety action message CH-47-96-ASAM-01.

b. Technical Bulletin, TB 1-1520-240-20-80.

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,

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AMCOM, ATTN: AMSAM-SF-A (SOF Compliance Officer), Redstone Arsenal, AL 35898-5222, in accordance with AR 95-1. Datafax number is DSN 897-2111 or commercial (205) 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 aircraft mission design series and serial numbers of aircraft in numerical order.

- b. Task/Inspection Reporting Suspense Date (Aircraft). N/A.
- c. Reporting Message Receipt (Spares).
 - (1) Materiel in Wholesale Depot Storage. N/A.
 - (2) Materiel in Retail Storage. N/A.
- d. Task/Inspection Reporting Suspense Date (Spares).
 - (1) Materiel in Wholesale Depot Storage. N/A.
 - (2) Materiel in Retail Storage. N/A.
- 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.


15. Weight and Balance. N/A.

16. Points of Contact.

- a. Technical point of contact for this TB is Mr. Curtis Stevens, AMSAM-AR-E-I-C-H, DSN 897-1855 or commercial (205) 313-1855. Datafax is DSN 897-1855 or commercial (205) 313-1855. E-mail is "STEVENSC@AVRDEC.ARMY.MIL".
- b. Logistical point of contact for this TB is Mr. Norm Huston, SFAE-AV-CH-L, DSN 746-4289 or commercial (205) 876-4289. E-mail "HUSTONN@PEOAVN.REDSTONE.ARMY.MIL".
- c. Wholesale Material point of contact (spares) is Jeffrey Moore, AMSAM-MMC-DLA, DSN 788-6403 or commercial (205) 842-6403. Datafax is DSN 645-0192. E-mail is "JLMOORE@IMMCMS3.REDS-TONE.ARMY.MIL".
- d. Forms and records point of contact for this TB is Ms. Ann Waldeck, AMSAM-MMC-RE-A, DSN 746-5564 or commercial (205) 876-5564. Datafax is DSN 746-4904. E-mail is "WALDECK-AB@EX-CHANGE1.REDSTONE.ARMY.MIL".
- e. Safety point of contact for the AN/AVS-7 System is Mr. Dave Scott, AMSAM-SF-A, DSN 897-2068 or commercial (205) 313-2068, datafax (205) 313-2111. E-mail is "SCOTT-DC@REDSTONE.ARMY.MIL".
- f. Foreign Military Sales (FMS) recipients requiring clarification of action advised by this TB should contact Mr. Ronnie W. Sammons, AMSAM-SA-CS-NF, DSN 897-0869 or commercial (205) 313-0869. Datafax is DSN 897-0411 (Huntsville, AL is GMT minus 6 hours).
- g. After hours, contact AMCOM Command Operations Center (COC) DSN 897-2066 or commercial (205)313-2066.

By Order of the Secretary of the Army:

Official:



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*Administrative Assistant to the
Secretary of the Army*

03854

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*General, United States Army
Chief of Staff*

DISTRIBUTION:

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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.

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To: ls-lp@redstone.army.mil

Subject: DA Form 2028

1. **From:** Joe Smith
2. **Unit:** home
3. **Address:** 4300 Park
4. **City:** Hometown
5. **St:** AL
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.

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NO.

PARA-
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FIGURE
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TABLE
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