

URGENT

TB 1-1520-240-20-151

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

MANDATORY MAINTENANCE FOR ENGINE DRIVE SHAFT, P/N 145D3504-2, ON ALL H-47 AIRCRAFT

Headquarters, Department of the Army, Washington, D. C.
28 March 2003

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

NOTE

THIS PUBLICATION IS EFFECTIVE UNTIL RESCINDED OR SUPERSEDED.

1. Priority Classification. Urgent

NOTE

MACOM Commanders may authorize temporary exception from message requirements in accordance with AR 95-1, Chapter 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.

2. Summary

a. Background – Application of MWO 55-1520-240-50-43 replaced three piece engine drive shaft, P/N 145D3500-15, with a one piece engine drive shaft, P/N 145D3504-2. At that time an interim retirement life of 2000 hours was established. The interim retirement life was to remain in effect until fatigue testing was conducted and verified. Based on fatigue test results, the retirement life of P/N 145D3504-2 can safely be increased to 6000 hours for all but 49 of these shafts. These 49 shafts were flown on certain aircraft during a specific time frame which cannot allow their retirement lives to be increased. These 49 specific serial numbered shafts will remain at the 2000 hour retirement life.

b. Message Purpose – Increase the retirement life of all but 49 specific serial numbered engine drive shafts from 2000 hours to 6000 hours.

3. End Items Affected. All H-47 series aircraft.

4. Assemblies/Components/Parts Affected

NOMENCLATURE	PART NUMBER	NATIONAL STOCK NUMBER
Engine Drive Shaft	145D3504-2	3010-01-316-2661

This TB supersedes USAAMCOM Message 251331Z MAR 03 CH-47-03-ASAM-01.

5. Initial TAMMS (The Army Maintenance Management 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-47-03-ASAM-01 no later than 25 April 2003."

NOTE

The TAMMS compliance reporting form is available at
"www.redstone.army.mil/sof/tamms.xls
<<http://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 <<mailto:safeadm@redstone.army.mil>>" no later than 1 APR 03 in accordance with 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.

6. Task/Inspection Compliance Requirements.

a. Aircraft – Submit Task/Inspection Compliance Report for this message to Logistic point of contact no later than 25 April 2003.

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

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

7. Special Provisions to Message Requirements (Aircraft). – N/A.

8. Technical Procedures/Instructions

a. Conduct a records check (Aircraft Time change DA Form 2408-16) to determine the serial number of each engine drive shaft, P/N 145D3504-2.

b. The retirement life for the following serial numbered drive shafts shall remain at the current published life of 2000 hours. The serial numbers are as follows:

A-103, A-107, A-193, A-211, A-230, A-243, A-262, A-276, A-280, A-287, A-309, A-327, a-330, A-352, A-385, A-453, A-474, A-501, A-504, A-506, A-517, A-526, A-536, A-538, A-571, A-596, A-612, A-617, A-636, A-638, A-651, A-652, A-675, A-691, A-696, A-704, A-709, A-731, A-741, A-771, A-778, A-792, A-799, A-908, A-921, A-960, A-1200, A-2343, A-11767BK.

c. For engine drive shafts which have serial numbers not noted in paragraph 8a above, the retirement life shall be increased to 6000 hours. Update DA Form 2408-16 Block 6j to indicate the new 6000 retirement life and recalculate the Replacement Due hours in Block 6k.

d. ULLS-A units will use this message as authority to update the Component Master File to reflect the Engine Drive Shaft new MAOT. Direct all ULLS-A questions to point of contact in paragraph 14e.

e. ULLS-A units shall modify the current configuration code line entry for the drive shafts to reflect the new 6000 hour MAOT.

f. ULLS-A units that have drive shafts with serial numbers listed in paragraph 8b will make a new line entry using a new configuration code of 53 with all the current information to track the 2000 hour MAOT shafts.

g. Clear the initial entry from paragraph 5a and note compliance on Engine Drive Shaft DA Form 2408-5-1.

9. Procedures/Instructions for Assemblies/Components/Parts in Work or in Stock (at all levels including War Reserves). Annotate the serviceability tag with: "CH-47-03-ASAM-01, Engine Drive Shaft, not complied with". Do not remove original condition tags.

- a. Items in Retail Stock – N/A.
- b. Items in Single Stock Fund and in Work (Overhaul/Repair Facility) – N/A.
- c. Depot, unit and other maintenance activity commanders will ensure items listed in paragraph 4 are not issued until they are in compliance with this message.
- d. Items in Wholesale Stock – N/A.

10. Special Tools and Fixtures Required – N/A.

11. Supply/Parts (Requisition/Distribution) . – N/A.

12. Maintenance Application.

- a. Category of Maintenance – AVUM.
- b. Estimated Time Required-
 - (1) Time to complete inspection – Total of 1 man-hour using 1 person with 0 hours downtime per end item.
 - (2) Time for repair/replacement – N/A.

13. Publication Requirements.

- a. References –
 - (1) AR 95-1
 - (2) DA PAM 738-751
- b. Publication changes – CH-47D: The following changes shall be made to TM 55-1520-240-23-1. A copy of this message will be used as authority to implement the change until the official change is received.
 - (1) Task 1-91, Overhaul and Retirement Schedule, CH-47D Components with Fatigue Lives Less than 10,000 Hours; the retirement schedule for Engine Drive Shaft, P/N 145D3504-2, shall be changed to read, "6000 hours (Note H)".
 - (2) Task 1-91, Overhaul and Retirement Schedule, CH-47D Components with Fatigue Lives Less Than 10,000 Hours; Add the following to the "Notes" section: "H. The following serial numbered engine drive shafts (P/N 145D3504-2) have a retirement life of 2000 hours:
A-103, A-107, A-193, A-211, A-230, A-243, A-262, A-276, A-280, A-287, A-309, A-327, a-330, A-352, A-385, A-453, A-474, A-501, A-504, A-506, A-517, A-526, A-536, A-538, A-571, A-596, A-612, A-617, A-636, A-638, A-651, A-652, A-675, A-691, A-696, A-704, A-709, A-731, A-741, A-771, A-778, A-792, A-799, A-908, A-921, A-960, A-1200, A-2343, A-11767BK.
- c. Publication changes – MH-47E: The following changes shall be made to TM 1-1520-252-23-1. A copy of this message will be used as authority to implement the change until the official change is received.
 - (1) Task 1-99, Overhaul and Retirement Schedule, MH-47E Components with Fatigue Lives Less than 10,000 Hours; the retirement schedule for Engine Drive Shaft, P/N 145D3504-2, shall be changed to read, "6000 hours (Note C & E)".
 - (2) Task 1-99, Overhaul and Retirement Schedule, MH-47E Components with Fatigue Lives Less Than 10,000 Hours; Add the following to the "Notes" section: "E. The following serial numbered engine drive shafts (P/N 145D3504-2) have a retirement life of 2000 hours:
A-103, A-107, A-193, A-211, A-230, A-243, A-262, A-276, A-280, A-287, A-309, A-327, a-330, A-352, A-385, A-453, A-474, A-501, A-504, A-506, A-517, A-526, A-536, A-538, A-571, A-596, A-611, A-617, A-636, A-638, A-651, A-652, A-675, A-691, A-696, A-704, A-709, A-731, A-741, A-771, A-778, A-792, A-799, A-908, A-921, A-960, A-1200, A-2343, A-11767BK.

14. Points of Contact.

a. Technical points of contact are

(1) Primary – Mr. Steve Prorise, AMSAM-RD-AE-I-P-C, DSN 897-2350, extension 9851 or (256) 705-9851. Fax is (256) 705-9900.

Email is "steve.prorise@rdec.redstone.army.mil <mailto:steve.prorise@rdec.redstone.army.mil>".

(2) Alternate – Mr. Larry Wieschhaus, AMSAM-RD-AE-I-P-C, DSN 897-2350, extension 9866 or (256) 705-9866. Fax is (256) 705-9900.

Email is "larry.wieschhaus@rdec.redstone.army.mil <mailto:larry.wieschhaus@rdec.redstone.army.mil>".

b. Logistical point of contact is Mr. Bill Olson, SFAE-AV-CH-L, DSN 897-3379 or (256) 313-3379. Fax is DSN 897-4348 or (256) 313-4348.

E-mail is "william.olson@peoavn.redstone.army.mil <mailto:william.olson@peoavn.redstone.army.mil>".

c. Wholesale Materiel point of contact (SPARES) is Ms. Geri Reddy, AMSAM-MMC-AV-CA, DSN 897-1454 or (256) 313-1454. Fax is DSN 897-1106.

E-mail is "geri.reddy@redstone.army.mil <mailto:geri.reddy@redstone.army.mil>".

d. Forms and Records point of contact is Ms. Ann Waldeck, AMSAM-MMC-MA-NM, DSN 746-5564 or (256) 876-5564. Fax is DSN 746-4904 or (256) 867-4904.

E-mail is "ann.waldeck@redstone.army.mil <mailto:ann.waldeck@redstone.army.mil>".

e. ULLS-A point of contact for this message is Mr. Alan Burleson, AMSAM-MMC-MA-NM, DSN 746-4468 or (256) 876-4468. Fax is DSN 746-4904 or (256) 876-4904.

Email is "alan.burleson@redstone.army.mil <mailto:alan.burleson@redstone.army.mil>".

f. Safety points of contact are –

(1) Primary – Mr. Frank Rosebery (SAIC), AMSAM-SF-A, DSN 788-8631 or (256) 842-8631. Fax is DSN 897-2111 or (256) 313-2111.

E-mail is "frank.rosebery@redstone.army.mil <mailto:frank.rosebery@redstone.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.

E-mail is "russel.peusch@redstone.army.mil <mailto:russel.peusch@redstone.army.mil>".

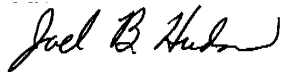
g. Foreign Military Sales recipients requiring clarification of this message should contact Mr. Ronnie W. Sammons, AMSAM-SA-AS-UT, DSN 897-0407 or (256) 313-0407. Fax is DSN 897-0411 or (256) 313-0411.

E-mail is "ronnie.sammons@redstone.army.mil <mailto:ronnie.sammons@redstone.army.mil>".

h. After hours contact the AMCOM COMMAND OPERATIONS CENTER (AOC) DSN 897-2066/7 or commercial (256) 313-2066/7.

By Order of the Secretary of the Army:

Official:



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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.

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.

