

URGENT

TB 1-1520-238-20-103

DEPARTMENT OF THE ARMY, TECHNICAL BULLETIN

ONE-TIME INSPECTION OF NO. 2 GENERATOR POWER CABLES ALL AH-644 AIRCRAFT

Headquarters, Department of the Army, Washington, D. C.
11 FEBRUARY 2000

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

NOTE

THIS PUBLICATION IS EFFECTIVE UNTIL 11 AUGUST 2000.

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 //** shall state "Inspect the No. 2 generator wire IAW TB 1-1520-238-20-103 within the next 10 flight hours but NLT 8 February 2000." 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 8 February 2000. Failure to comply with the requirements of this TB within the time frame will cause the status symbol to be upgraded to a **red** b.

b. Aircraft in Depot Maintenance. Aircraft will not be issued until compliance with this TB has been completed.

c. Aircraft Undergoing Maintenance. Same as Para 1.b.

d. Aircraft in Transit.

(1) Surface/Air Shipment. Same as Para 1.b.

(2) Ferry Status.

(a) Inspect at final destination.

(b) Those aircraft that have a DD 250 and are at Boeing Mesa will be inspected prior to ferry to final destination.

e. Maintenance Trainers (Category A, B, and Others). Comply within 30 days of receipt of this TB.

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

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- (1) Wholesale Stock.- N/A.
- (2) Retail Stock.- N/A.
- g. Component/Paris in work (Depot level and Others)- N/A.
2. **Task/Inspection Suspense Date.** Complete the inspection IAW paragraph 8 below within the next 10 flight hours, but not later than 8 February 2000.
3. **Reporting Compliance Suspense Date.** Report compliance IAW paragraph 14.a no later than 15 February 2000.
4. **Summary of the Problem.**
 - a. It has been found through the deficiency reporting system that a generator power cable chafed and caused a fire on an AH-64A aircraft.
 - b. For manpower/downtime and funding impacts, see paragraph 12.
 - c. The purpose of this TB is to direct a one-time inspection of the suspect area for chafing and provide corrective action.
5. **End Items to be Inspected.** All AH-64A aircraft.
6. **Assembly Components to be Inspected.** N/A.
7. **Parts to be Inspected.** N/A.
8. **Inspection Procedures.**
 - a. Locate wire bundle W668 (main power lines) from No. 2 generator.
 - b. Inspect for adequate clearance and/or signs of chafing of this cable from the No. 2 generator through the main transmission bay area.
 - c. Pay special attention to the area where the cable comes near the rotor blade de-ice controller (A311) JI plug wire bundle (W118) clamp. This is the area along the main transmission deck near the base of the forward right hand main transmission mount, and is the point where a fire initiated on an AH-64A aircraft.
 - d. A full inspection of other wire bundles in this congested location shall also be conducted to identify any other problem areas.
 - e. The aircraft maintenance manuals already include a general requirement to check for chafing wire on the aircraft.
9. **Correction Procedures.**
 - a. Repair wires which show evidence of damage/chafing IAW normal maintenance practices (reference paragraph 93). If no chafing is evident, but clearly in question, ensure cables are routed and clamped correctly.
 - b. Position, adjust, and clamp suspect cable(s) as necessary to ensure adequate clearance.
 - c. Apply anti-chafe material (paragraph 10.c) to all inspected areas, regardless if chafing is present, as a means to prevent-potential chafing.
10. **Supply/Parts and Disposition.**
 - a. *Parts Required: N/A.
 - b. Requisitioning Instructions. N/A.
 - c. Bulk and Consumable Materials. Anti-chafe material, NSN 5970-01-143-6994 per MIL-I-3190 or equivalent. (This NSN and MIL-I-3190, and alternative anti-chafe materials are not in Appendix F of TM I-I 520-238-23-9, dated 16 May 1994.) Some suitable alternatives include NSN 5970-01-617-1 141 and N S N 9330-01-017-1440.

- d. Disposition- N/A.
- e. Disposition of Hazardous Material, N/A.

ii. **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 1 .0 man-hour using 1 person.
 - (2) Total 1 hour downtime for one end item.
- c. **Potential Cost Impact to the Field**. N/A.
- 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. TM 1-1500-204-23 Series, Aviation Unit and Aviation. Intermediate Maintenance, **General Aircraft Maintenance**, dated 31 July 1992.

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, AMCOM, ATTN: **AMSAM-SF-A (SOF Compliance Officer)**, Redstone Arsenal, AI 35898-5000 IAW AR 95-1. Datafax number is DSN 897-2111 or commercial (256) 313-2111. E-Mail address is "SAFEADMS@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 March 1999:

NOTE

ULLS-A users will use applicable "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.

15. Weight and Balance. N/A.

16. Points of Contact.

a. Technical point of contact for this TB is Mr. Matthew Benzak, AMSAM-RD-AE-I-P-A, DSN 897-4915 or -commercial (256) 313-4915. Datafax is DSN 897-4923 or (256) 313-4923 E-mail is "matthew.benzak@redstone.army.mil".

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b. Logistical point of contact for this TB is Mr. Jim Mason, SFAE-AV-AAH-LF, DSN 897-4242 or commercial (256) 313-4343. E-mail is "masonj@peoavn.redstone.army.mil".

c. Forms and records point of contact for this TB is Ms. Ann Waldeck, AMSAM-MMC-RE-FF, DSN 746-5564 or commercial (256) 876-5564, Datafax is DSN 746-4904 or commercial (256) 876-4904, E-mail is "waldeck-ab@redstone.army.mil".

d. Safety point of contact for this TB is Mr. Howard Chilton. AMSAM-R-X, DSN 897-2068 or commercial (256) 313-2068, Datafax is DSN 897-2111 or commercial (256) 313-2111, E-mail is "howard.chilton@redstone.army.mil".

e. Foreign Military Sales (FMS) recipients requiring clarification of action advised by this TB should contact CW5 Joseph L. Wittstrom, Security Assistance Management, AMSAM-SA, DSN 897-0681 or commercial (256) 313-0681, E-mail is "wittstrom-jl@redstone.army.mil", or Mr. Ronnie W. Sammons, AMSAM-SA-CS-NF, DSN 897-0869 or commercial (256) 313-0869, Datafax is DSN 897-0411 or commercial (256) 313-0411, E-mail is "sammons-rw@redstone.army.mil". Huntsville, AL is GMT minus 6 hours.

f. After hours contact AMCOM Command Operations Center (COC) DSN 897-2066/7 or commercial (256) 313-2066/7.

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-LS-LP, Redstone Arsenal, AL 35898-5230. You may also submit your recommended changes by E-mail directly to "ls-lp@redstone.army.mil". Instructions for sending an electronic 2028 may be found at the back of this manual. A reply will be furnished directly to you.

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

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Subject: DA Form 2026

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:** 123-1 23-1234
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:**
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