

# URGENT

\*TB 1-1520-248-20-61

## DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

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### ONE TIME INSPECTION OF COPILOT CYCLIC BOOT SHIELD ASSEMBLY ALL OH-58D HELICOPTERS

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Headquarters, Department of the Army, Washington, D. C.  
07 December 2001

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#### REPORTING OF ERRORS AND RECOMMENDED IMPROVEMENTS

You can help improve this manual. If you find mistakes or know of any way to improve procedures, please let us know. Mail your letter, DA Form 2028 (recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in back of this manual, direct to: Commander U. S. Army Aviation and Missile Command, ATTN: AMSAM-MMC-MA-NP. Redstone Arsenal, AL. 35898-5230. A reply will be furnished to you. You may also send your comments electronically to our e-mail address: 2028@redstone.army.mil or by fax 256-842-6546/DSN 788-6546. Instructions for sending an electronic 2028 may be found at the back of this manual.

**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RESCINDED OR SUPERSEDED.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) make the following entry on DA Form 2408-13-1. Enter a Red Horizontal Dash status symbol with the following statement: "Inspect cyclic boot shield assembly P/N 406-001-356-101 in accordance with OH-58-02-ASAM-10 TB 1-1520-248-20-61 within the next 20 flight hours, but not later than 18 October 2001". Clear the Red Horizontal Dash entry when procedures in accordance with paragraphs 8. and 9. are completed. Affected aircraft shall be inspected as soon as practical but not later than 18 October 2001. Commanders unable to comply with requirements of this TB within time frame specified will upgrade affected aircraft status symbol to a Red X.

b. Aircraft in Depot Maintenance.

(1) Aircraft in AVUM. AVIM, or Depot. Commanders and Facility Managers will not issue aircraft until they are in compliance with this TB.

(2) Aircraft at Contractor Facility Bell Helicopter TEXTRON, Inc. will inspect DD 250 aircraft prior to those aircraft departing for ferry to final destination.

\*This TB supersedes Oh-58-02-ASAM-01 041300Z OCT. 01

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c. Aircraft in Transit.

(1) Surface/Air Shipment. Within 20 Flight Hours/14 Days of Arrival.

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

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

e. Component/Parts in Stock Including War Reserves at All Levels (Depot and Others). Upon receipt of this TB, Depot and Materiel Activity Commanders will ensure materiel condition tags for all stock listed in paragraph 6 are annotated to read: "TB 1-1520-248-20-61, inspection of copilots cyclic boot shield assembly, not complied".

(1) Wholesale Stock. Report receipt of this TB in accordance with paragraph 14. b. (1) not later than 9 October 2001. Report compliance with this TB in accordance with paragraph 14. b. (2) not later than 11 October 2001.

(2) Retail Stock. Upon receipt of this TB, Commanders and Facility Managers maintaining retail stock at installation level and below shall contact the support aviation unit to perform procedures required in accordance with paragraphs 8. and 9. on suspect materiel. Report compliance with this TB in accordance with paragraph 14. c. (2) not later than 18 October 2001.

f. Components/Parts in Work (Depot Level and Others). Not applicable.

**2. Task/Inspection Suspense Date.** Complete the inspection in accordance with paragraph 8. within 20 flight hours but not later than 18 October 2001.

**3. Reporting Compliance Suspense Date.** Report compliance in accordance with paragraph 14. a. (1) not later than 24 October 2001.

**4. Summary of Problem.**

a. A recent failure of braces attached to the copilot cyclic boot shield assembly caused partial interference of cyclic controls on an OH-58D aircraft while in flight. An Urgent Technical Bulletin (TB 1-1520-248-20-11, One Time Inspection of OH-58D Copilot Observer Cyclic Stick) was sent in February 1991 to inspect for and remove braces from the shield assembly. Apparently That TB did not capture all shield assemblies. This TB is being sent to readdress this issue.

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

c. The purpose of this TB is to inspect the copilot cyclic boot shield assembly for presence of braces and remove them if installed.

**5. End Items to be Inspected.** All OH-58D aircraft.

**6. Assembly/Component(s) to be Inspected.**

<b>NOMENCLATURE</b>	<b>PART NUMBER</b>	<b>NATIONAL STOCK NUMBER</b>
Boot Assembly	406-001-355-101	1680-01-236-9821

**7. Parts to be Inspected.**

<b>NOMENCLATURE</b>	<b>PART NUMBER</b>	<b>NATIONAL STOCK NUMBER</b>
Shield Assembly	406-001-356-101	

**8. Inspection Procedures.**

a. Gain access to copilot cyclic control stick and locate boot assembly P/N 406-001-355-101, item 6, Figure 60, TM 1-1520-248-23P.

b. Loosen boot from around cyclic stick and visually inspect shield assembly P/N 406-001-356-101, item 12, Figure 60, TM 1-1520-248-23P for presence of brace.

**NOTE**

Supplemental information for this TB can be viewed at [www.redstone.army.mil/sof/suppl/oh58a0201.pdf](http://www.redstone.army.mil/sof/suppl/oh58a0201.pdf).

- c. If brace is installed, remove in accordance with paragraph 9.

**NOTE**

Brace may have been removed during application of TB 1-1520-248-20-11. However, if it appears one of the braces has broken off, it needs to be removed to prevent possible control interference.

- d. If one or both braces are installed, thoroughly inspect boot access area to locate and remove brace in accordance with paragraph 9.
- e. If braces can not be located, remove copilot seat and seat panel assembly in accordance with paragraph 9. to confirm braces have not broken off and fallen under seat.

**9. Correction Procedures.**

- a. If required, remove copilot seat and seat panel assembly P/N 206-032-104-33 to locate and remove braces.
- b. If braces are present, remove braces from shield assembly by prying with fingers or needle nose pliers.
- c. Reinstall seat panel assembly, copilots seat (if removed), and boot assembly.
- d. When procedures above are completed, clear Red Horizontal Dash entry from paragraph 1. a.

**10. Supply/Parts and Disposition.** Not applicable.**11. Special Tools, Jigs, and Fixtures Required.** Not applicable.**12. Application.**

a. Category of Maintenance. AVUM. Aircraft downtime will be charged to AVUM maintenance. Report aircraft Non-Mission Capable Maintenance (NMCM) while undergoing inspection and correction in accordance with this TB.

- b. Estimated Time Required.

(1) Time to Complete Inspection.

- (a) Total of 1 man-hour using one person.
- (b) Total of 1 hour downtime for one end item.

(2) Time for Repair/Replacement.

- (a) Total of 2 man-hours using one person.
- (b) Total of 2 hours downtime for one end item.

- c. Estimated Cost Impact of Stock Fund Items to the Field. Not applicable.
- d. TB/MWOs to be Applied Prior to or Concurrently with this Inspection. Not applicable.
- e. Publications Which Require Change as a Result of This Inspection. Not applicable

**13. Reference.**

- a. DA PAM 738-751, 15 March 1999.
- b. TM 1-1520-248-23P, 3 March 2000.

**14. Recording and Reporting Requirements.**

a. Aircraft.

(1) TAMMS Reporting Compliance Suspense. Upon entering requirements of this TB on DA Form 2408-13-1 for effected aircraft, Commanders will forward a priority message, fax, or e-mail to Commander, AMCOM, ATTN: AMSAM-SF-A (SOF Compliance Officer), Redstone Arsenal, AL. 35898-5000, in accordance with AR 95-1, not later than date specified in paragraph 3. Datafax number DSN 897-2111 or 256-313-2111. E-Mail safeadm@redstone.army.mil. Report will cite this TB number, date of entry on DA Form 2408-13-1, aircraft mission design series and serial numbers of aircraft in numerical order.

(2) Task/Inspection Reporting Suspense. Upon completion of inspection, Commanders will forward a priority message to Logistics Point of Contact listed in paragraph 16. b. Report will cite this TB number, date of inspection, and results of inspection. Inspection and reports will be completed not later than date specified in paragraph 2.

b. Wholesale Spare Parts/Assemblies.

(1) Reporting Receipt. Depot and Materiel Activity Commanders will report receipt of this TB by e-mail or fax to Wholesale Point of Contact listed in paragraph 16. c. not later than date specified in paragraph 1. e. (1). Provide local point of contact.

(2) Task/Inspection Reporting Suspense. Depot and Materiel Activity Commanders will provide a DD Form 1225 to Wholesale Materiel Point of Contact (Spares) listed in paragraph 16. c. not later than date specified in paragraph 1. e. (1). Provide an estimate of the cost reimbursable funding required to move serviceable items on hand listed in paragraph 6. to a work area, annotate the serviceable tag, and return materiel to storage, as appropriate. Report by e-mail or fax and provide local point of contact.

c. Retail Spare Parts/Assemblies.

(1) Reporting Receipt. Not applicable.

(2) Task/Inspection Reporting Suspense. Commanders and Facility Managers will report inspection results to the Logistical Point of Contact in paragraph 16. b. not later than date specified in paragraph 1. e. (2). Report quantity inspected by condition code and resulting condition code. Report by e-mail or fax and provide local point of contact.

d. 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.

(4) D Form 1574/DD Form 1574-1, Serviceable Tag/Label Materiel (color yellow). Annotate remarks block with "OH-58-02-ASAM-02 (TB 1-1520-248-20-61) not complied with.

**15. Weight and Balance.** Not applicable.

**16. Points of Contact.**

a. Technical point of contact is Mr. Kevin Cahill, AMSAM-RD-AE-I-D-O, DSN 645-9544 or 256-955-9544, fax DSN 645-9536. E-Mail is kevin.cahill@redstone.army.mil.

b. Logistical point of contact is SSG Tim Hardin, AMSAM-DSA-ASH-L, DSN 645-7934 or 256-955-7934, fax DSN 645-7125. E-Mail timothy.hardin@redstone.army.mil.

c. Wholesale Materiel Point of Contact (Spares) is Ms. Ruyh Minor, AMSAM-MMC-AV-SOA, DSN 897-1379 or 256-313-1379, fax DSN 788-6758. E-Mail ruth.minor@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 DSN 746-4904. E-Mail [ann.waldeck@redstone.army.mil](mailto:ann.waldeck@redstone.army.mil).

e. Safety Points of Contact:

(1) Primary. Mr. Randal Rushing (SAIC), AMSAM-SF-A, DSN 897-2092 or 256-313-2092, fax DSN 897-2111 or 256-313-2111. E-Mail [randall.rushing@redstone.army.mil](mailto:randall.rushing@redstone.army.mil).

(2) Alternate. Mr. Ron Price, AMSAM-SF-A, DSN 788-8636 or 256-842-6636, fax 256-313-2111. E-Mail [ron.price@redstone.army.mil](mailto:ron.price@redstone.army.mil).

f. Foreign Military Sales recipients requiring clarification of action advised by this TB should contact:

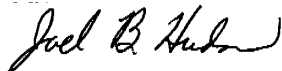
(1) Primary. Mr. Ronnie W. Sammons, AMSAM-SF-CS-NF, DSN 897-6856 or 256-313-6856, fax DSN 897-6630 or 256-313-6630. E-Mail [ronnie.sammons@redstone.army.mil](mailto:ronnie.sammons@redstone.army.mil).

(2) Alternate. Paul W. Tarr, AMSAM-SA-CS-NF, DSN 897-6861 or 256-313-6861, fax DSN 897-6630 or 256-313-6630. E-Mail [paul.tarr@redstone.army.mil](mailto:paul.tarr@redstone.army.mil).

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

By Order of the Secretary of the Army:

Official:



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Chief of Staff*

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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@redstone.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. Louis:** 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 F Name:** Joe
14. **Submitter M Name:** T
15. **Submitter L Name:** 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.