

URGENT

*TB 1-1520-248-20-54

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

ONE TIME INSPECTION FOR INCORRECT FASTENERS IN CENTER POST ASSEMBLY ALL OH-58D AIRCRAFT

Headquarters, Department of the Army, Washington, D. C.
12 July 2000

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UNTIL RESCINDED OR SUPERSEDED.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 aircraft DA Form 2408-13-1. Enter a red horizontal dash – status symbol with the following statement: "Inspect for incorrect fasteners in center post in accordance with TB 1-1520-248-20-54 prior to next flight." Clear the red horizontal dash – entry when procedures in accordance with paragraph 8. are completed. Commanders who are unable to comply with requirements of this TB. within time frame specified will update affected aircraft status to a red X.

b. Aircraft in Depot Maintenance. Depot Commanders will not issue aircraft until they are in compliance with this TB.

c. Aircraft Undergoing Maintenance. Same as paragraph 1. a.

d. Aircraft in Transit.

(1) Surface/Air Shipment. Same as paragraph 1. a.

(2) Ferry Status. Inspect prior to first flight at final destination.

e. Maintenance Trainers (Category A and B). Comply no later than 10 July 2000.

f. Component/Parts in Stock Including War Reserves at All Levels (Depot and Others). Not applicable.

2. Task/Inspection Suspense Date. Complete inspection in accordance with paragraph 8. prior to next flight and report in accordance with paragraph 14. b..

3. Reporting Compliance Suspense Date. No later than 18 July 2000 per paragraph 14.a of this TB.

4. Summary of Problem.

a. A category 1 Quality Deficiency Report (QDR) was received that indicated the directional control tube in the center post had been subject to damage. The investigation indicated the directional tube TM 55-1520-248-23P, 15 December 1994, Figure 218, Item 69; or TM 1-1520-248-23P, 3 March 2000, Figure 255, Item 82 had contacted blind rivets used to install duct mounting support bracket TM 1-1420-248-23P, 3 March 2000, Figure 18, Item 18; on left side of center post. The blind rivets do not appear to have been pulled completely during installation allowing excess rivet tail to contact the control tube.

*This TB supersedes OH-58-00-ASAM-07 261754Z Jun 00.

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- b. For manpower/downtime and funding impacts, see paragraph 12.
- c. The purpose of this TB is to:
 - (1) Perform a one time inspection for blind rivets in duct mounting support bracket and replace as necessary.
 - (2) If blind rivets were installed, inspect control tube for damage.
- 5. **End Items to be Inspected.** All OH-58D series aircraft.
- 6. **Assemblies Components to be Inspected.** Not applicable.
- 7. **Parts to be Inspected.**

NOMENCLATURE	PART NUMBER	NSN
Support	406-961-031-165	N/A

8. Inspection Procedures.

- a. Gain access to left side of aircraft through left access door.
- b. Locate support bracket TM 55-1520-248-23P, 15 December 1994, Figure 18, Item 69; or TM 1-1520-248-23P, 3 March 2000, Figure 18, Item 80 under environmental duct left side of center post.

NOTE

- S Some minor paint removal with a scuff pad may be required to assist in identification of rivets.
- S A magnet may be used to identify the steel center pin of blind rivets.
- c. Determine type rivet installed for three lower aft fasteners.
- d. If solid rivets are installed, inspection is complete and no further action is required. Solid rivets are identified as being all one material with a dimple in the center.
- e. If blind rivets are installed, follow correction procedures of paragraph 9. A blind rivet is identified as made of two separate materials, a center pin with a ring around it.

9. Correction Procedures.

- a. Gain access to inside of center post TM 55-1520-248-23, 12 January 1988, Task 2-1-40; or TM 1-1520-248-23, 28 February 2000, Task 2-1-50.
- b. Disconnect lower end of directional control tube TM 55-1520-248-23, 12 January 1988, Task 11-5-21; or TM 1-1520-248-23, 28 February 2000, Task 11-4-22.
- c. Inspect directional control tube for damage. Repair or replace tube as required TM 55-1520-248-23, 12 January 1988, Task 11-6-1; or TM 1-1520-248-23, 28 February 2000, Task 11-5-1.
- d. Remove blind rivets in three lower aft fastener locations for duct mounting bracket. Install solid rivets (MS20470AD5-X, length as required) in the three lower aft locations TM 1-1500-204-23.
- e. Reconnect lower end of directional control tube TM 55-1520-248-23, 12 January 1988, Task 11-5-21; or TM 1-1520-248-23, 28 February 2000, Task 11-4-22.
- f. Using a second person, cycle directional control system to ensure control tube does not contact newly installed rivets.
- g. Reinstall center post panels and duct TM 55-1520-248-23, 12 January 1988, Task 2-1-40; or TM 1-1520-248-23, 28 February 2000, Task 2-1-50.

10. Supply Parts and Disposition.

- a. Parts Required. Not applicable.
- b. Requisitioning Instructions. Requisition replacement parts through normal supply channels using normal supply procedures. All requisitions shall use project code (CC 57-59) "X00" (Xray-Zero-Zero).

NOTE

Project code "X00" is required to track and establish a data base of stock fund expenditures incurred by the field as a result of Safety of Flight actions.

- c. Bulk and Consumable Materials.

NOMENCLATURE	PART NUMBER	NSN
Rivet, Solid	MS20470AD5-X	N/A

- d. Disposition. Demilitarize/Mutilate in accordance with TM 1-1500-238-23 any parts/components which does not meet inspection criteria.
- e. Disposition of Hazardous Material. Dispose of hazardous materials in accordance with Environmental Protection Agency directives as implemented by your servicing environmental coordinator (AR 200-11).

11. Special Tools, Jigs, and Fixtures. As required.

12. Application.

- a. Category of Maintenance. AVUM. Aircraft downtime will be charged to AVUM.
- b. Time Required.
 - (1) To conduct inspection in accordance with paragraph 8.
 - (a) Total of 0.5 man-hours using one person.
 - (b) Total of 0.5 hours downtime for one end item.
 - (2) To perform corrective procedures in accordance with paragraph 9.
 - (a) Total of 8 hours using one person.
 - (b) Total of 8 hours downtime for one end item.
- c. Estimated Cost Impact of Stock Fund Items to the Field if control tube is damaged and requires replacement.

NOMENCLATURE	PART NUMBER/ NATIONAL STOCK NUMBER	QUANTITY	COST EACH	TOTAL \$
	Connecting Link			

Maximum total cost per aircraft = \$ 234.65

- 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. References.

NOTE

Revised manuals are currently being provided to the field. However, since older manuals may still be in use. Both sets of manuals are being referenced.

- a. TM 1-1520-248-23P, 15 December 1994.
- b. TM 1-1520-248-23P, 3 March 2000.
- c. TM 55-1520-248-1, 12 January 1988.
- d. TM 1-1520-248-23-1, 28 February 2000.
- e. TM 55-1520-248-23-5, 12 January 1988.
- f. TM 1-1520-248-23-5, 28 February 2000.
- g. TM 1-1500-204-23, 31 July 1992.
- h. TM 1-1500-328-23, 30 June 1999.
- i. TM DA PAM 738-751, 15 March 1999.

14. Recording and Reporting Requirements.

a. Reporting Compliance Date (Aircraft). Upon entering requirements of this TB, on a DA Form 2408-13-1 on subject Mission Design Series (MDS) aircraft; Commanders will forward a priority message, datafax, or e-mail to Commander AM-COM, ATTN: AMSAM-SF-A (SOF Compliance Officer), Redstone Arsenal, AL 35898-5000, in accordance with AR 95-1. Datafax number is DSN 897-2111 or 256-313-2111. E-Mail address is safedm@redstone.army.mil. The report will cite this TB, date of entry on DA Form 2408-13-1, aircraft MDS, and serial number of aircraft in numerical order.

b. Task/Inspection Reporting Suspense Date (Aircraft). Upon completion of inspection, Commanders will forward a priority message (e-mail preferred to: Commander, AMCOM, ATTN: AMSAM-DSA-AS-ASH-L (Ssg. Timothy Hardin), DSN 645-7934 or 256-955-7934, datafax DSN 645-7125 or 256-955-7125. E-Mail timothy.hardin@redstone.army.mil. Report will cite this TB, date of inspection, aircraft serial number, aircraft and component hours, and results of inspection. Inspection and report will be completed no later than 17 July 2000.

- c. Reporting TB receipt (Spares). Not applicable.
- d. Task/Inspection Reporting Suspense Date (Spares). Not applicable.
- 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.
- (4) DA Form 2408-18, Equipment Inspection List.

15. Weight and Balance. Not applicable.

16. Points of Contact.

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

b. Logistical point of contact for this TB is Ssg. Timothy Hardin, AMSAM-DSA-AS-ASH-L, DSN 645-7934 or 256-955-7934, datafax DSN 645-7125 or 256-955-7125. E-Mail timothy.hardin@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 256-876-5564, datafax DSN 746-4904. E-Mail waldeck-ab@redstone.army.mil.

d. Safety Points of contact for this are:

(1) Primary: Mr. Harry Trumbull (SAIC), AMSAM-SF-A, DSN 897-2095 or 256-313-2095, datafax DSN 897-2111 or 256-313-2111. E-Mail harry.trumbull@redstone.army.mil.

(2) Alternate: Mr. Ron Price, AMSAM-SF-A, DSN 788-8636 or 256-842-8636, datafax DSN 897-2111. E-Mail ron.price@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 897-0410 or 256-313-0410. E-Mail wittstrom-jl@redstone.army.mil, or Mr. Ronnie W. Sammons, AMSAM-SA-CS-NF, DSN 897-0411 or 256-313-0411. E-Mail sammonsrw@redstone.army.mil. Huntsville, AL. is Greenwich Mean Time minus six hours.

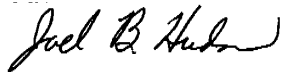
f. After hours contact AMCOM Command Operations Center (COC) DSN 897-2066/7 or 256-313-2066/7.

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By Order of the Secretary of the Army:

Official:

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General, United States Army
Chief of Staff



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DISTRIBUTION:

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