

UNCLASSIFIED

MSG DTG 271830Z JUL 09

**SUBJECT: AVIATION MAINTENANCE INFORMATION MESSAGE (MIM),  
H-58-MIM-09-010, VERTICAL FIN ANTENNA CONNECTOR REPAIR PROCEDURE**

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1. SUMMARY: The antenna connectors on the vertical fin are subject to internal failure. Since the release of OH-58D-MIM-07-007, Aviation Engineering has identified an improved procedure to repair the vertical fin antenna connectors. Aviation Engineering has revised TM 1-1520-248-23, Task 2-3-32, Vertical Fin FM and VHF Antenna Connector Repair to replace the rescinded OH-58D-MIM-07-007 procedure. The purpose of this MIM is to notify the field of the approved change and to use this MIM as authority to implement the required change pending release of revised TM.

2. END ITEMS AFFECTED: All OH-58D series aircraft.

3. COMPONENTS AFFECTED BY THIS MESSAGE:

Nomenclature	PN	NSN
Stabilizer, Vertical (Vertical Fin)	406-961-025-107	1560-01-344-6226
Stabilizer, Vertical (Vertical Fin)	406-961-025-111	1560-01-419-7893

4. REFERENCE PUBLICATIONS:

- 4.1. AR 750-6.
- 4.2. AMCOM Reg. 750-3.
- 4.3. TM 11-1520-248-23.

4.4. TM 1-1500-204-23-10.

4.5. TM 55-1500-345-23.

## 5. TECHNICAL PROCEDURES/INSTRUCTIONS:

5.1. Upon receipt of this message, the required changes to TM 1-1520-248-23 Task 2-3-32, Vertical Fin FM and VHF Antenna Connector Repair as listed in para 5.2 below, should be noted and implemented as soon as possible.

### 5.2. INITIAL SETUP:

5.2.1 APPLICABLE CONFIGURATIONS: All.

5.2.1.1. TOOLS: Airframe Repairer Tool Kit (B-188), Avionics/Electronics Tool Kit (B-193).

5.2.1.2. MATERIALS: Epoxy Primer(D-121), Pro-Seal (D-213), Wiping Rag (D-195), and Rubber Gloves (D-133).

5.2.1.3. PERSONNEL REQUIRED: 15S Scout Helicopter Technical Inspector (TI), 15G Scout Aircraft Structural Repairer, and 15J Scout Armament/Electrical/Avionics Repairer.

5.2.1.4. EQUIPMENT CONDITION: Safe the Helicopter IAW TM 1-1520-248-23, Task 1-6-7, and Task 2-3-32, Vertical Fin FM and VHF Antenna Connector Repair. Reference: TM 1-1500-204-23-10, TM 55-1500-345-23, and TM 1-1520-248-23.

5.2.2. Remove 8 rivets in center cover plate on opposite side of antenna connectors (1). Using a putty knife, remove pro-seal. Remove cover plate and retain for re-installation later.

5.2.3. Remove 10 rivets upward along inner portion of trailing edge panel (2). Only the first four rivets are shown in diagram. Remove pro-seal along edge where trailing edge panel mates with the vertical fin (3) up past the last removed rivet.

CAUTION: When separating the edge panel use extreme caution. The fiberglass panel can be easily damaged.

5.2.4. Use a putty knife and rubber mallet to separate the edge panel where the rivets were removed.

5.2.5. Gently peel back fiberglass panel to gain access to VHF connectors using extreme care.

5.2.6. Repair connectors as required IAW TM 1-1500-204-23. This may require two personnel to hold the fiberglass panel and make the repair.

5.2.7. Perform operational check of VHF-FM systems IAW TM 11-1520-248-23 to ensure system is operational.

5.2.8. Inspect connectors before closing vertical fin.

NOTE: Oversized rivets maybe used if necessary IAW TM 1-1500-2-4-23-10.

5.2.9. Clean and coat bare metal with MIL-PRF-23377. Replace removed rivets on inboard side of trailing edge with blind rivets

using standard sheet metal practices IAW TM 1-1500-204-23-10. Rivets should be installed wet using MIL-PRF-23377 (D-121).

5.2.10. Re-install center cover plate using standard sheet metal practices IAW TM 1-1500-204-23-10. Rivets should be installed wet using MIL-PRF-23377 (D-121).

5.2.11. Seal all opened edges around center plate and trailing edge where it mates with the vertical fin with pro-seal (D-213) to prevent moisture intrusion.

5.2.12. Touch up as required IAW TM 55-1500-345-23.

5.2.13. INSPECT/FOLLOW ON MAINTENANCE:

5.2.13.1. Perform operational check of VHF-FM systems IAW TM 11-1520-248-23.

## 6. POINTS OF CONTACT:

6.1. AMRDEC Technical POCs are:

6.1.1. Primary AMRDEC Technical POC: Mr. James Wilkins, DSN 897-4982, or (256)313-4982. Fax: DSN 788-6758, or (256) 842-6758. Email: "[james.k.wilkins@us.army.mil](mailto:james.k.wilkins@us.army.mil)".

6.1.2. Alternate AMRDEC Technical POC: Scott Harris (Avion), DSN 897-2405, or (256)313-2405. Fax: DSN 788-6758, or (256) 842-6758. Email: "[harriss@peoavn.army.mil](mailto:harriss@peoavn.army.mil)".

6.2. Project/Product Manager's (PM) Office POC: Mr. Fernando Figueroa, DSN 645-8111, or (256) 955-8111. Fax: DSN 788-6758, or (256) 842-6758.

Email: "[fernando.figueroa@us.army.mil](mailto:fernando.figueroa@us.army.mil)".

6.3. Publications POC: Mr. William Smith, DSN 746-4044, or (256) 876-4044. Fax: DSN 897-1541, or (256) 313-1541.

Email: "[william.smith@peoavn.army.mil](mailto:william.smith@peoavn.army.mil)".

6.4. Forms and Records POC: Ms. Ann Waldeck, DSN: 746-5564, or (256) 876-5564. Fax is DSN 746-4904, or (256) 876-4904.

Email: "[ann.waldeck@conus.army.mil](mailto:ann.waldeck@conus.army.mil)".

6.5. Foreign Military Sales POCs:

6.5.1. Primary: Mr. George Ashmore (CAS), DSN 788-1094, or (256) 842-1094. Fax: DSN 897-4344, or (256) 313-4344.

Email: "[george.ashmore1@us.army.mil](mailto:george.ashmore1@us.army.mil)".

6.5.2. Alternate: Mr. Tom Gibson, DSN 788-1077, or (256) 842-1077. Fax: DSN 897-4344, or (256) 313-4344.

Email: "[thomas.b.gibson@us.army.mil](mailto:thomas.b.gibson@us.army.mil)".