

UNCLASSIFIED

MSG DTG 111400Z FEB 10

FROM COMMANDER, AMCOM, REDSTONE ARSENAL, AL //AMSAM-SFA//

**SUBJECT - AVIATION MAINTENANCE ACTION MESSAGE (AMAM),
MAINTENANCE MANDATORY, ALL OH-58D SERIES AIRCRAFT, CABIN ROOF
BEAM/PYLON SUPPORT, H-58-10-AMAM-05**

NOTE

This message is NOT for dissemination to any office or individual outside the US Government or US Government supporting agencies without the approval of the AMCOM Commander.

NOTE

This message is effective until rescinded or superseded.

NOTE

This message is issued IAW AR 750-6 and has not been officially transmitted to units subordinate to addressees. Commanders of Army Commands (AC), Army National Guard (ARNG), United States Army Reserve (USAR), Army Service Component Commands (ASCC), and Direct Reporting Units (DRU) will immediately retransmit this message to all subordinate units, activities or elements affected or concerned, and immediately confirm this re-transmittal by notification to the AMCOM SOF Compliance Officer at "safeadm@conus.army.mil".

NOTE

Commanders or Directors (not lower than the grade of Major General or civilian equivalent) of ACs, ARNG, USAR, ASCCs, and DRUs may authorize temporary exception from message requirements IAW AR 750-6, para 2-9. Exception may only occur when combat operations, matter of life or death in civil disasters, or other emergencies, are so urgent that they override the consequences of continued aircraft operation.

NOTE

Commanders unable to comply with the requirements of this message within the time frame specified will change the affected aircraft status symbol to a Red //X//.

NOTE

Commanders, Facility Managers, and Contractors at all levels, to include DD 250 aircraft, will not issue aircraft until they are in compliance with this message.

NOTE

A listing of published safety messages, to include TAMMS Reports, Inspection Reports, and any Supplements/Addendums required by this message can be downloaded at: "<https://asmprd.redstone.army.mil>". This is a secure website which requires an Army Knowledge Online (AKO), "<https://www.us.army.mil>", user ID and password.

1. SUMMARY -

1.1. Background - Recent Airframe Condition Evaluations (ACE) and Field Incident Reports have identified an increase in the cases of OH-58D airframes exhibiting material wear, flexing, and fretting in and around the Cabin Support Structure. The most severe of these cases have numerous working rivets, and sheet metal cracks in the area of the Cabin Roof Beam (Box Beam) and Cabin Roof Panel.

1.2. Message Purpose -

1.2.1. Require initial and recurring inspections of airframe.

1.2.2. Provide maintenance instructions to repair faults.

1.2.3. Provide approved changes to maintenance manual inspections and repair procedures.

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

3. ASSEMBLIES/COMPONENTS/PARTS AFFECTED -

3.1. Suspect Assemblies/Components/Parts -

Nomenclature	PN	NSN
Clip, Retaining	206-032-107-31	5340-01-557-1474
Clip, Retaining	206-032-107-32	5340-01-557-1475
Bulkhead, Aircraft	206-032-200-21	1560-01-557-1511
Support, Pylon	206-032-202-1	1560-00-450-6861
Support, Pylon	206-032-202-2	1560-00-450-6865
Support, Pylon	206-031-202-17	1560-00-478-1763
Support, Pylon	206-031-202-19	1560-00-478-1762
Bulkhead, Fuselage	206-031-204-5	1560-00-415-6399
Beam, Cabin Roof	206-032-205-1	1560-00-450-6859
Beam, Cabin Roof	206-032-205-2	1560-00-129-6265
Support Structural	406-010-203-101	1560-01-291-2228
Support Structural	406-010-204-101	1560-01-242-7269
Channel	406-530-100-131	1560-01-571-1521
Angle, RH	406-530-100-117	1560-01-571-1515
Angle, LH	406-530-100-119	1560-01-557-1519
Door, Access, LH	406-530-100-141	1560-01-351-3759
Door, Access, RH	406-530-100-142	1560-01-352-0288

Skin	406-961-017-169	1560-01-574-7186
Fwd Strap, LH	406-961-017-201	5340-01-535-3132
Fwd Strap, RH	406-961-017-202	1560-01-535-4145
Aft Strap, LH	406-961-017-213	5340-01-536-9360
Aft Strap, RH	406-961-017-214	1560-01-535-7071

3.2. Additional Assemblies/Components/Parts to be Inspected.

Nomenclature	PN	NSN
Mod, Upper Beam	406-961-017-211	NO NSN
Mod, Cabin Roof	406-961-017-229/251/255	NO NSN

4. INITIAL AIRCRAFT TAMMS (THE ARMY MAINTENANCE MANAGEMENT SYSTEM) ENTRY -

NOTE

When complying with the requirements of this message, complete forms and records entries IAW DA PAM 738-751. ULLS-A units will use appropriate "E" forms.

Upon receipt of this message, make the following entry on DA Form 2408-13-1. Enter a Red Horizontal Dash // - // status symbol with the following statement: "Comply with requirements of H-58-10-AMAM-05 before [####.#] aircraft hours, but NLT 11 JUN 10." Calculate [####.#] as aircraft flight hours at the next scheduled Progressive Phase Maintenance (PPM) Inspection 3, 6, 9, 12, or 15 whichever occurs first.

5. COMPLIANCE REPORTING REQUIREMENTS -

NOTE

Report compliance with this message, as defined below, via the AMCOM Message Tracking System (AMTRACKS) at ["https://amtracks.redstone.army.mil"](https://amtracks.redstone.army.mil). Unit personnel designated to submit compliance reports, that have not registered with AMTRACKS, must establish a profile at this web site before submitting their compliance reports.

5.1. Aircraft Initial Compliance Report - Submit Initial Compliance Report via AMTRACKS NLT 18 FEB IAW AR 750-6. The Initial Compliance Report consists of the Aircraft SN, MDS, and Date of Initial TAMMS Entry for all assigned aircraft. This report only confirms that the unit has made the initial logbook entry.

5.2. Aircraft Final Compliance Report - Submit Final Compliance Report via AMTRACKS within 3 days of the inspection, but NLT 14 JUN 10 IAW AR 750-6. This report will include Date of Inspection, Aircraft Hours, Inspection Results/Comments (PASS/FAIL), and check the box "Entered on DA Form 2408-15".

- 5.3. Retail Stock Task/Inspection Compliance Report
(Installation level and below) - N/A.
- 5.4. Wholesale Stock Task/Inspection Compliance Report
(Including Depot Stock, Depot Maintenance and Single Stock
Fund) - N/A.

6. SPECIAL PROVISIONS TO MESSAGE REQUIREMENTS (AIRCRAFT) -
N/A.

7. TECHNICAL PROCEDURES/INSTRUCTIONS -

NOTE

This message includes required Addendums.
If the Addendums are not included with this
message, they may be viewed/downloaded at
"<https://asmprd.redstone.army.mil>".
This is a secure website which requires an Army
Knowledge Online (AKO), "<https://www.us.army.mil>",
user ID and password.

NOTE

Unless otherwise stated, all maintenance Tasks will be
performed IAW TM 1-1520-248-23.

NOTE

The Aviation Engineering Directorate (AED) has
approved the use of NAS1669 Blind Fasteners
(Jo-Bolt/Vis-U-Lok II) as the preferred alternate
in the OH-58D cabin beam closure area in place
of MS90354 Blind Fasteners.

NOTE

If Borescope, RF Systems, PN VJ, listed in Addendum 2
is unavailable, Contact Logistics POC listed in PARA 13.2
for instructions.

- 7.1. Initial Inspection - Inspect aircraft Cabin Roof
Beam/Pylon support structure IAW procedures contained in
Addendums 1 and 2 to OH-58-10-AMAM-05.
- 7.1.1. If no damage is noted proceed to para 7.2.
- 7.1.2. If damage is noted, repair IAW para 6 of Addendum 1,
H-58-10-AMAM-05.
- 7.2. After the Initial Inspection is complete make the
following Red Horizontal Dash // - // status symbol entries on DA
Form 2408-13-1 These are Recurring Inspection requirements.
- 7.2.1. "Inspect aircraft Cabin Roof Beam/Pylon Support
Structure IAW Addendum 1, para 5 through 5c, during PPM 3,6,9,
and 12 IAW OH-58-10-AMAM-05." If damage is found continue
inspection IAW Addendum 1, H-58-10-AMAM-05, para 5d and H-58-
AMAM-10-05 Addendum 2.

7.2.2. "Inspect aircraft Cabin Roof Beam/Pylon Support Structure during PPM 15 IAW OH-58-10-AMAM-05." Inspect the aircraft IAW procedures contained in Addendum 1 and 2 to OH-58-10-AMAM-05.

7.3. As the recurring inspections are completed, clear the fault entry required by paras 7.2.1. and 7.2.2 as applicable and reenter on the DA Form 2408-13-1. This process will continue until the official PPM change is received.

7.4. All discrepancies will be annotated, evaluated, and repaired IAW procedures contained in the Addendums to OH-58-10-AMAM-05, TM 1-1520-248-23, and standard sheet metal practices contained in TM 1-1500-204-23.

7.5. The following inspection shall be added to DA Form 2408-18.

7.5.1. 14 day/20 hour Preventive Maintenance Service (PMS), areas 3 and 12, "Inspect cabin roof beam/pylon support structure for cracks, corrosion, condition, security, and loose or missing rivets. (Access 10 or 20)."

NOTE

ULLS-A units will need to add WUC 02A31 to the ULLS-A WUC Legitimate Code File (LCF) prior to loading the new inspection.

7.5.2. ULLS-A (E) will add the following inspection to the inspections LCF- PMS Inspection - Syscode "A", Item # 18, FreqType1 "D", Freq "14", tolerance 5, Freq Type2 "H", Freq "20", tolerance 5, WUC 02A31, Insp, Inspect cabin roof beam/pylon support structures IAW OH-58-AMAM-58-05. This inspection will be deleted after the official PMS change reflecting the new inspection is received.

7.6. Clear the initial entry from para 4 and note compliance on DA Form 2408-15.

8. PROCEDURES/INSTRUCTIONS FOR ASSEMBLIES/COMPONENTS/PARTS IN WORK OR IN STOCK (AT ALL LEVELS INCLUDING WAR RESERVES) - N/A.

9. SPECIAL TOOLS AND FIXTURES REQUIRED -

Nomenclature	PN	NSN
Borescope, RF Systems	VJ	NO NSN
Blind Riveter Kit	D-100-MIL-2	5180-01-201-4979
Riveter, Blind Pneumatic	GBP353A-51	5130-00-772-7804
Tool Kit, Jo-Bolt, Hand	3060 KIT	5180-00-955-5623
Magnifying Glass	10539027	6650-00-958-7408

10. SUPPLY/PARTS (REQUISITION/DISPOSITION) - (as required)

10.1. Parts Required -

Nomenclature	PN/NSN	Qty	Cost ea.	Total \$
Clip,	206-032-107-31	1	\$101.00	\$101.00
Retaining	5340-01-557-1474			
Clip,	206-032-107-32	1	\$101.00	\$101.00
Retaining	5340-01-557-1475			
Bulkhead,	206-032-200-21	1	\$208.00	\$208.00
Aircraft	1560-01-557-1511			
Support,	206-032-202-1	1	\$4,602.00	\$4,602.00
Pylon	1560-00-450-6861			
Support,	206-032-202-2	1	\$1,692.00	\$1,692.00
Pylon	1560-00-450-6865			
Support,	206-031-202-17	1	\$604.36	\$604.36
Pylon	1560-00-478-1763			
Support,	206-031-202-19	1	\$1,245.00	\$1,245.00
Pylon	1560-00-478-1762			
Bulkhead,	206-031-204-5	1	\$243.00	\$243.00
Fuselage	1560-00-415-6399			
Beam,	206-032-205-1	1	\$1,398.95	\$1,398.95
Cabin Roof	1560-00-450-6859			
Beam,	206-032-205-2	1	\$233.59	\$233.59
Cabin Roof	1560-00-129-6265			
Support	406-010-203-101	1	\$800.00	\$800.00
Structural	1560-01-291-2228			
Support	406-010-204-101	1	\$1,611.00	\$1,611.00
Structural	1560-01-242-7269			
Channel	406-530-100-131	1	\$1,022.00	\$1,022.00
	1560-01-577-1521			
Angle, RH	406-530-100-117	1	\$1,683.00	\$1,683.00
	1560-01-571-1515			
Angle, LH	406-530-100-119	1	\$1,119.00	\$1,119.00
	1560-01-557-1519			
Door,	406-530-100-141	1	\$87.96	\$87.96
Access, LH	1560-01-351-3759			
Door,	406-530-100-142	1	\$296.70	\$296.70
Access, RH	1560-01-352-0288			
Skin	406-961-017-169	1	\$504.00	\$504.00
	1560-01-574-7186			
Fwd Strap,	406-961-017-201	1	\$152.31	\$152.31
LH	5340-01-535-3132			
Fwd Strap,	406-961-017-202	1	\$549.24	\$549.24
RH	1560-01-535-4145			
Aft Strap,	406-961-017-213	1	\$90.97	\$90.97
LH	5340-01-536-9360			
Aft Strap,	406-961-017-214	1	\$162.71	\$162.71
RH	1560-01-535-7071			

Total cost per aircraft if
all parts were replaced = \$18,507.79

10.2. Bulk and Consumable Materials - (See Addendum 1 to H-58-10-AMAM-05.)

NOTE

Project Code "X6J" (X-ray Six Juliet) is required to track and establish a data base of stock fund expenditures incurred by the field as a result of message actions.

10.3. Requisitioning Instructions - Requisition replacement parts using normal supply procedures. All requisitions shall use Project Code (CC 57-59) "X6J".

10.4. Disposition of Discrepant Parts/Components - Demilitarize/mutilate IAW TM 1-1500-328-23.

10.5. Disposition of Hazardous Material - IAW Environmental Protection Agency directives as implemented by your servicing environmental coordinator (AR 200-1).

11. MAINTENANCE APPLICATION -

11.1. Category of maintenance - AVUM

11.2. Estimated Time Required -

11.2.1. Time to complete inspection - Total of 8.0 man-hours using 2 persons.

NOTE

The time stated below does not include time for Maintenance Operational Checks or Maintenance Test Flights.

11.2.2. Time for repair/replacement - Varies dependent upon damage.

12. PUBLICATION REQUIREMENTS -

12.1. References -

12.1.1. AR 750-6.

12.1.2. DA Pam 738-751.

12.1.3. AR 200-1.

12.1.4. TM 1-1500-204-23.

12.1.5. TM 1-1520-248-23.

12.1.6. TM 1-1520-248-23P.

12.1.7. TM 1-1520-248-PPM.

12.1.8. TB 1-1520-248-30-07.

12.2. Publication Changes - The following publications shall be changed to reflect this message. A copy of this message will be used as authority to implement the change until the official TM change is received.

12.2.1. TM 1-1520-248-23 shall be changed to include, as separate tasks of Chapter 2 (Airframe), Section 4 (Pylon), the Cabin Roof Beam/Pylon Support Inspection and Repair Procedures, and the Borescope Inspection, Cabin Roof Beam/Pylon Support Area contained in the Addendum to OH-58-10-AMAM-05.

12.2.2. TM 1-1520-248-23P, RPSTL, shall be changed to include reference to the tools and repair parts contained in this message and the Addendum to OH-58-10-AMAM-05.

12.2.3. TM 1-1520-248-PPM.

12.2.3.1. Progressive Phase Maintenance (PPM) inspection sequence numbers 3.2 and 12.2, as required in PPM(s) 3, 6, 9, and 12, shall be changed to include reference to the TM 1-1520-248-23 task number created for the Cabin Roof Beam/Pylon Support Area contained in the Addendum to OH-58-10-AMAM-05. This PPM inspection shall be limited to those steps contain in the Addendum paras 5. through 5.c., and will not require a borescope inspection unless damage is found.

12.2.3.2. Progressive Phase Maintenance (PPM) inspection number 15, in addition to the changes cited in 12.2.3.1, shall include an addition of a sequence task number to require the completion of the Borescope Inspection, Cabin Roof Beam/Pylon Support Area as contained in the Appendix A, Addendum to OH-58-10-AMAM-05.

12.2.3.3. The following inspection shall be added to the 14 day/20 hour Preventive Maintenance Service (PMS), areas 3 and 12, "Cabin roof beam/pylon support structure for cracks, corrosion, condition, security, and loose or missing rivets. (Access 10 or 20)."

12.2.4. TB 1-1520-148-30-07, para 9. Inspections, shall be changed to include the requirements of the Addendum to OH-58-10-AMAM-05 para 5 to include the borescope inspection, Appendix A.

13. POINTS OF CONTACT -

13.1. Technical POCs -

13.1.1. Primary - Mr. Lon Stanger, DSN 897-4304 or (256) 313-4304. Fax: DSN 788-6758 or (256) 842-6758.

Email: "lon.stanger@us.army.mil".

13.1.2. Alternate - Mr. Joe Wathen (Avion), DSN 788-2499 or (256) 842-2499. Fax: DSN 788-6758 or (256) 842-6758.

Email: "joe.wathen@us.army.mil".

13.2. Project/Product Manager's (PM) Office POCs: -

13.2.1. Logistics (Primary) - Mr. Mike Kuenzli, DSN 897-4564 or (256) 313-4564. Fax: DSN 645-7125 or (256) 955-7125.

Email: "michael.kuenzli@us.army.mil".

13.2.2. Logistics (Alternate) - Mr. Chuck Wright, DSN 645-7077 or (256) 955-7077. Fax: DSN 645-7125 or (256) 955-7125.

Email: "charles.d.wright@us.army.mil".

- 13.3. Wholesale Materiel POC (spares) -
 - 13.3.1. IMMC - Mr. Tom Fitzgerald, DSN 897-1391 or (256) 313-1391. Fax: DSN 645-7125 or (256) 955-7125. Email: "thomas.patrick.fitzgerald@us.army.mil".
 - 13.3.2. DLA - Mr. Mike Pennington, DSN 695-4187 or (804) 279-4187. Fax: DSN 695-5567 or (804) 279-5567. Email: "mike.pennington@dla.mil".
- 13.4. Forms and Records POCs -
 - 13.4.1. Primary - Ms. Ann Waldeck, DSN 746-5564 or (256) 876-5564. Email: "ann.waldeck@conus.army.mil".
 - 13.4.2. Alternate - Mr. David Derbort, DSN 746-5151 or (256) 876-5151. Email: "david.derbort@conus.army.mil".
- 13.5. AMCOM Safety POCs -
 - 13.5.1. Primary - Mr. Frank Rosebery (SAIC), DSN 788-8631 or (256) 842-8631. Fax: DSN 897-2111 or (256) 313-2111. Email: "james.rosebery@conus.army.mil".
 - 13.5.2. Alternate - Mr. Don Swallow, DSN 788-8641 or (256) 842-8641. Fax: DSN 897-2111 or (256) 313-2111. Email: "donald.swallow@conus.army.mil".
- 13.6. After hours, contact the AMCOM Operations Center (AOC), DSN 897-2066/7 or (256) 313-2066/7.