

**UNCLASSIFIED**

**MSG DTG 021830Z AUG 11**

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

**SUBJECT - AVIATION MAINTENANCE ACTION MESSAGE (AMAM) ,  
MAINTENANCE MANDATORY, ALL OH-58D SERIES AIRCRAFT,  
FUEL SYSTEM, H-58-11-AMAM-13**

**NOTE**

This message is effective until rescinded or revised.

**NOTE**

This message is issued IAW AR 750-6 and has not been officially transmitted to units subordinate to addressees. Commanders of Army Commands (ACOM), 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"](mailto:safeadm@conus.army.mil).

**NOTE**

Commanders or Directors (not lower than the grade of Major General or civilian equivalent) of ACOMs, ARNG, USAR, ASCCs, and DRUs may authorize temporary exception from message requirements IAW AR 750-6, para 2-9 and 2-19. 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 aircraft in DD 250 status, will not issue aircraft until they are in compliance with this message. This message will not apply to aircraft which are transferred to the U.S. Government via DD Form 250 after the message DTG.

## **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"](https://asmprd.redstone.army.mil). This is a secure website which requires an Army Knowledge Online (AKO), ["https://www.us.army.mil"](https://www.us.army.mil), user ID and password.

### **1. SUMMARY -**

#### **1.1. Background -**

1.1.1. There has been an incident reported when a faulty Fuel Check Valve with no internal components installed was found during a Fuel System inspection. This could allow fuel to drain back into the Fuel Cell when pressure is removed.

1.1.2. In a separate unrelated incident, a Fuel Pump Inlet Shutoff Arm on the bottom of the Boost Pump was found not completely seated due to improper installation of the Ground Wire Terminal.

#### **1.2. Message Purpose -**

1.2.1. Require an initial and recurring operational checks of the Fuel Check Valve.

1.2.2. Provide inspection criteria for new Check Valves.

1.2.3. Require inspection of the Fuel Boost Pump Shutoff Valve for bending and correct installation of Ground Wire Terminal.

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

### **3. ASSEMBLIES/COMPONENTS/PARTS AFFECTED -**

#### **3.1. Suspect Assemblies/Components/Parts -**

Nomenclature	PN	NSN
Valve, Check	406-360-600-101	4820-01-229-1255
Inlet Valve Stem	E6-66-1	4820-01-181-9246
Assembly		

#### **3.2. Additional Assemblies/Components/Parts**

Nomenclature	PN	NSN
Pump Submerged,	206-062-687-101	2915-01-124-5222
Aircraft (commonly called Fuel Boost Pump)		

### **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-58-11-AMAM-13 NLT 16 AUG 11."

### **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 - All reporting requirements will be accomplished as part of the "Final Compliance Report".

5.2. Aircraft Final Compliance Report - Submit Final Compliance Report via AMTRACKS NLT 19 AUG 11 IAW AR 750-6. This report will include the Aircraft SN, MDS, Date of Initial TAMMS Entry, Component #1 - Inspection Results (Check Valve - enter "PASS" or "FAIL"), Component #2 - Inspection Results (Fuel Boost Pump Shutoff - enter "PASS" or "FAIL"), and check the box "Entered on DA Form 2408-15".

5.3. Retail Stock Task/Inspection Compliance Report (Installation level and below) - Submit Retail Stock Task/Inspection Compliance Report via AMTRACKS NLT 19 AUG 11 IAW AR 750-6. This report will include Component Nomenclature, PN, SN, and Inspection Results (enter "PASS" or "FAIL").

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) -**

Aircraft in Transit (Surface/Air Shipment/Ferry Status/ Aircraft Away From Home Station) - Unit Commanders unable to comply with the requirement specified in para 4 may defer making the initial Aircraft TAMMS entry until arrival at final

destination. Adjust the date in the TAMMS Entry to be NLT 14 days after arrival at destination.

## **7. TECHNICAL PROCEDURES/INSTRUCTIONS -**

### **NOTE**

This message includes a required Addendum. If the Addendum is not included with this message, it 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**

Requests for exceptions/deviations to this message will be submitted IAW AR 750-6. For assistance in requesting a waiver contact the AMCOM Safety POC in para 13.5.1.

7.1. Perform Fuel System Operational Check IAW TM 1-1520-248-T, Task 2-4-1.

7.1.1. If Fuel Check Valve passes the Operational Check, proceed to para 7.2.

7.1.2. If Fuel Check Valve Fails the Operational Check, replace Fuel Check Valve IAW TM 1-1520-248-23, Task 10-1-26.

7.2. Remove Fuel Cell Sump Access Cover -

7.2.1. Inspect Fuel Boost Pump Inlet Shutoff Valve Arm to ensure Arm is not bent.

7.2.1.1. If the Arm is NOT bent, proceed to para 7.2.2.

7.2.1.2. If Arm is bent make the following entry on the DA Form 2408-13-1. Enter a Red "X" status symbol with the following statement: "Fuel Boost Pump Unserviceable IAW H-58-11-AMAM-13."

7.2.2. Referring to Figure 3 of the Addendum, inspect Fuel Inlet Shutoff Arm to ensure Ground Wire Terminal crimped portion does not prevent Arm from fully closing.

7.2.2.1. If the Terminal is correctly secured, proceed to para 7.3.

7.2.2.2. If Terminal is incorrectly secured under Arm, remove and reposition Terminal.

7.3. 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) -**

Check Valve PN 406-360-600-101, NSN 4820-01-229-1255:  
Annotate the serviceability tag with: "Fuel System, H-58-11-AMAM-13, not complied with." Do not remove original condition tags.

8.1. Items in Retail Stock - Commanders and facility managers that maintain retail stock at installation level and below will complete the following procedures.

8.1.1. Suspend issue of Check Valve until in compliance with message requirements.

8.1.2. Contact the supported aviation unit, as required, to perform the procedures required on affected check valves IAW the Addendum to H-58-11-AMAM-13.

8.1.3. Comply with inspection and correction procedures as required to return items to serviceable stock.

8.1.4. Submit a Task/Inspection report IAW para 5.

8.2. Items in Wholesale Stock, Single Stock Fund, and in Work (Overhaul/Repair Facility) - N/A.

**9. SPECIAL TOOLS AND FIXTURES REQUIRED -** Work Aid, Item E-5, TM 1-1520-248-23, Appendix E.

**10. SUPPLY/PARTS (REQUISITION/DISPOSITION) -**

10.1. Parts Required -

Nomenclature	PN/NSN	Qty	Cost ea.	Total \$
Valve, Check	406-360-600-101	1	\$1948.57	\$1948.57
	4820-01-229-1255			
Pump, Submerged	206-062-687-101	1	\$1400.00	\$1400.00
Aircraft	2915-01-124-5222			
(Commonly called Fuel Boost Pump)				
Total cost per aircraft =				\$3348.57

10.2. Bulk and Consumable Materials - N/A.

**NOTE**

Project Code "X7J" (X-ray Seven 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 "X7J".

10.4. Disposition of Discrepant Parts/Components - Unit shall submit a Category "I" Product Quality Deficiency Report (CAT "I" PQDR). Hold discrepant part pending disposition instructions from the Technical POC. If instructed to dispose of using normal supply procedures, all turn-in documents must include Project Code "X7J".

10.5. Disposition of Hazardous Material - N/A.

## **11. MAINTENANCE APPLICATION -**

11.1. Category of Maintenance - AVUM for Inspection, Removal and Installation/AVIM to Repair Boost Pump.

11.2. Estimated Time Required -

### **NOTE**

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

11.2.1. Fuel Check Valve -

11.2.1.1. Time to complete inspection - Total of 5.0 man-hours using 1 person.

11.2.1.2. Time for repair/replacement - Total of 10.0 man-hours using 1 person.

11.2.2. Fuel Boost Pump -

11.2.2.1. Time to complete inspection - Total of 1.0 man-hours using 1 person.

11.2.2.2. Time for repair/replacement - Total of 5.0 man-hours using 2 persons.

## **12. PUBLICATION REQUIREMENTS -**

12.1. References -

12.1.1. AR 750-6.

12.1.2. DA Pam 738-751.

12.1.3. TM 1-1520-248-23.

12.1.4. TM 1-1520-248-T.

12.2. Publication Changes - TM 1-1520-248-23 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. Task 10-1-20, Cartridge Removal/Installation - A CAUTION shall be added above step 13 that reads. CAUTION: Installation of the electrical lead under the screw head will result in poor electrical contact and likely cause the arm to become bent. Excessive tightening of the shoulder screw will damage the electrical contact.

12.2.2. Task 10-1-20 - Operational check of Fuel Check Valve will be added to Follow on Maintenance for replacement of Fuel Boost Pump.

12.2.3. Chapter 10 - Add the Fuel Check Valve Inspection from page 1 of Addendum to H-58-11-AMAM-13.

### **13. POINTS OF CONTACT -**

#### **13.1. Technical POCs -**

13.1.1. Primary - Mr. Joe Wathen (Avion Inc), DSN 788-2499 or 256-842-2499. Fax: (DSN) 788-6758 or 256-842-6758.

Email: "[joe.wathen@us.army.mil](mailto:joe.wathen@us.army.mil)".

13.1.2. Alternate - Mr. Lon Stanger, DSN 897-4304 or 256-313-4304. Fax: DSN 788-6758 or 256-842-6758.

Email: "[lon.stanger@us.army.mil](mailto:lon.stanger@us.army.mil)".

13.2. Project/Product Manager's (PM) Office POC - Mr. Charles Wright, DSN 645-7077 or 256-955-7077. Fax: DSN 645-7125 or 256-955-7125. Email: "[charles.d.wright@us.army.mil](mailto:charles.d.wright@us.army.mil)"

13.2.1. Alternate - Mr Jack McRoberts, DSN 645-8265 or 256-955-8265. Fax: DSN 645-7125 or 256-955-7125.

Email: "[ellis.mcroberts@us.army.mil](mailto:ellis.mcroberts@us.army.mil)".

13.3. Wholesale Materiel POC (DLA) - Mr. William Huttemann, DSN 695-4771 or 804-279-4771. Fax: DSN 695-5567 or 804-279-5567. Email: "[william.huttemann@dla.mil](mailto:william.huttemann@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@us.army.mil](mailto:ann.waldeck@us.army.mil)".

13.4.2. Alternate - Ms. Renate Richters, DSN 746-2570 or 256-876-2570. Email: "[renate.richters@us.army.mil](mailto:renate.richters@us.army.mil)".

#### **13.5. AMCOM Safety POCs -**

13.5.1. Primary - Mr. Frank Rosebery, DSN 788-8631 or 256-842-8631. Email: "[james.rosebery@us.army.mil](mailto:james.rosebery@us.army.mil)".

13.5.2. Alternate - Mr. Don Swallom, DSN 788-8641 or 256-842-8641. Email: "[donald.swallom@us.army.mil](mailto:donald.swallom@us.army.mil)".

#### **13.6. Foreign Military Sales POCs -**

13.6.1. Primary - Mr. Tom Gibson, DSN 788-1077 or 256-842-1077. Email: "[thomas.b.gibson@us.army.mil](mailto:thomas.b.gibson@us.army.mil)".

13.6.2. Alternate - Mr. Robert Dubose, DSN 788-1068 or 256-842-1068. Email: "[robert.dubose@us.army.mil](mailto:robert.dubose@us.army.mil)".

13.7. After hours, contact the AMCOM Operations Center (AOC), DSN 897-2066/7 or 256-313-2066/7.