

UNCLASSIFIED

MSG DTG 221330Z JUL 09

FROM COMMANDER, AMCOM, REDSTONE ARSENAL, AL //AMSAM-SF-A//

SUBJECT - AVIATION SAFETY ACTION MESSAGE (ASAM), MAINTENANCE MANDATORY, ALL OH-58D SERIES AIRCRAFT, LEFT INPUT CYCLIC BELLCRANK BEARINGS, H-58-09-ASAM-07

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This message is effective until rescinded or superseded.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 retransmittal 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 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 viewed/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 - Several Category I Product Quality Deficiency Reports (CAT 1 QDR) have identified new Left Input Cyclic Control Bellcranks with incorrectly installed bearings. Suspect Bellcrank Bearings were assembled with excessive retaining compound which can cause the Bearing inner race to not rotate, and can result in binding within the Cyclic flight control system.

1.2. Message Purpose - Require a onetime inspection of the Left Input Cyclic Bellcrank and Bearings.

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

3. ASSEMBLIES/COMPONENTS/PARTS AFFECTED - Suspect Assemblies/Components/Parts -

Nomenclature	PN	NSN
Bell Crank	406-001-503-101	1680-01-164-3963
Bearing, Ball, Airframe	MS27641-5	3110-00-033-9851

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.

4. INITIAL AIRCRAFT TAMMS (THE ARMY MAINTENANCE MANAGEMENT SYSTEM) ENTRY - 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-58-09-ASAM-07, before [####.#] aircraft hours, but NLT 5 AUG 09." Calculate [####.#] as current aircraft flight hours plus 20 hours.

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. Submit Final Compliance Report via AMTRACKS NLT 8 AUG 09 IAW AR 750-6. This report will include the Aircraft SN, MDS, Date of Initial TAMMS Entry, Inspection Results/Comments (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 8 AUG 09 IAW AR 750-6. This report will include the Component Nomenclature, PN, and Inspection Results (enter "PASS" or "FAIL").

5.4. Wholesale Stock Task/Inspection Compliance Report (Including Depot Stock, Depot Maintenance and Single Stock Fund) - Report compliance with this message IAW para 8 to the Wholesale POC para 13.3.2 NLT 8 AUG 09. This report will include the number and location of Bellcrank Assemblies in stock.

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 an optional Supplement. If the Supplement 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

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

7.1. Remove Forward Pylon Fairing from aircraft to gain access to Left Input Cyclic Control Bellcrank (TM Task 2-2-47).

7.2. Remove Left Input Cyclic Hydraulic Actuator (TM Task 7-1-10).

- 7.3. Remove Left Input Cyclic Control Bellcrank (TM Task 11-3-34).
- 7.4. Inspect the Left Input Cyclic Control Bellcrank Bearings to ensure freedom of movement (TM Task 11-3-35).
 - 7.4.1. If Bearings rotate freely, and the Bellcrank is otherwise serviceable, the inspection is complete. Reinstall and proceed to para 7.5.
 - 7.4.2. If Bearings do not rotate freely, or the Bellcrank is unserviceable, replace with a serviceable Bellcrank IAW IAW TM Task 11-3-34.
- 7.5. 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) -

- Annotate the serviceability tag with: "Left Input Cyclic Control Bellcrank Bearings, H-58-09-ASAM-07, 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 affected items until in compliance with message requirements.
 - 8.1.2. Contact the supported aviation unit, as required, to perform the procedures required on affected items.
 - 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 5.3.
 - 8.2. Items in Wholesale Stock, Single Stock Fund, and in Work (Overhaul/Repair Facility) -
 - 8.2.1. Annotate the Serviceability Tag IAW para 8.
 - 8.2.2. Submit a Task/Inspection report IAW para 5.4.

9. SPECIAL TOOLS AND FIXTURES REQUIRED - N/A.

10. SUPPLY/PARTS (REQUISITION/DISPOSITION) -

- 10.1. Parts Required -

NOTE

Bearings may be repaired/replaced. Recommend units turn-in unserviceable assemblies to their supporting Aviation Intermediate Maintenance (AVIM) support for Bearing repair/replacement.

Nomenclature	PN/NSN	Qty	Cost ea.	Total \$
Bell Crank	406-001-503-101	1	\$1254.00	\$1254.00
	1680-01-164-3963			
Bearing, Ball, Airframe	MS27641-5	2	10.30	20.60
	3110-00-033-9851			

Total cost per aircraft = \$1274.60

10.2. Bulk and Consumable Materials - N/A.

NOTE

Project Code "X65" (X-ray Six Five) 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) "X65".

10.4. Disposition of Discrepant Parts/Components - Dispose of using normal supply procedures. All turn-in documents must include Project Code "X65".

10.5. Disposition of Hazardous Material - N/A.

11. MAINTENANCE APPLICATION -

11.1. Category of Maintenance - AVUM for the Bellcrank inspection, and AVIM for the Bearing repair/replacement.

11.2. Estimated Time Required -

11.2.1. Time to complete inspection - Total of 3.0 man-hours using 2 persons.

NOTE

The time stated below does not include time for Maintenance Operational Checks (MOC) or Maintenance Test Flights (MTF), if required.

11.2.2. Time for repair/replacement - Total of 2.0 man-hours using 1 person.

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.

12.2. Publication Changes - N/A.

13. POINTS OF CONTACT -

13.1. Technical POCs -

13.1.1. Primary - 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".

13.1.2. Alternate - 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".

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".

- 13.3. Wholesale POCs -
 - 13.3.1. DLA Managed Items (Bearings) - Ms. Susan Wallace, DSN 695-4492 or (804) 279-4492. Email: "susan.wallace@dla.mil".
 - 13.3.2. AMCOM (B17) Managed Items (Bellcrank) - Mr. Guillermo Calvo, DSN 897-1398 or (256) 313-1398. Email: "guillermo.calvo@us.army.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. Harry Trumbull (SAIC), DSN 897-2095 or (256) 313-2095. Email: "harry.trumbull@conus.army.mil".
 - 13.5.2. Alternate - Mr. Don Swallow, DSN 788-8641 or (256) 842-8641. Email: "donald.swallow@conus.army.mil".
- 13.6. Foreign Military Sales POCs -
 - 13.6.1. Primary - Mr. George Ashmore (CAS), DSN 788-1094 or (256) 842-1094. Email: "george.ashmore1@us.army.mil".
 - 13.6.2. Alternate - Mr. Tom Gibson, DSN 788-1077 or (256) 842-1077. Email: "thomas.b.gibson@us.army.mil".
- 13.7. After hours, contact the AMCOM Operations Center (AOC), DSN 897-2066/7 or (256) 313-206