

UNCLASSIFIED

MSG DTG 011300Z SEP 11

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

**SUBJECT - AVIATION MAINTENANCE ACTION MESSAGE (AMAM) ,
MAINTENANCE MANDATORY, ALL OH-58D SERIES AIRCRAFT, TORQUEMETER
SUPPORT DUPLEX BEARING, H-58-11-AMAM-16**

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This message is effective until rescinded or revised.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 - It has been reported by the manufacturer of the Torquemeter Support Duplex Ball Bearing that a quantity of 21 Bearings were manufactured from the wrong type of steel. This manufacturing non-conformance may reduce the service life of the Bearing.

1.2. Message Purpose - Require a one-time inspection of the Torquemeter Support Assembly for suspect Bearings.

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

3. ASSEMBLIES/COMPONENTS/PARTS AFFECTED -

3.1. Suspect Assemblies/Components/Parts -

Nomenclature	PN	NSN
Bearing, Ball, Duplex	406-040-724-103	3110-01-164-8447

3.2. Additional Assemblies/Components/Parts Affected -

Nomenclature	PN	NSN
Support Assembly	406-040-700-103	N/A

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-16 NLT 1 OCT 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 - Submit Initial Compliance Report via AMTRACKS NLT 8 SEP 11 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 NLT 3 NOV 11 IAW AR 750-6. This report will include the Inspection Results/Comments (enter "PASS" or "FAIL" - if entering FAIL include the Bearing SN), 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 4 OCT 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 30 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"](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.

NOTE

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

NOTE

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

7.1. Referring to the Addendum to H-58-11-AMAM-16, determine the SN of the Torquemeter Support Duplex Bearing as follows.

7.1.1. Cover the upper surface of the Main Rotor (MR) Hub (below the Torquemeter Support) with protective barrier paper or a plastic sheet.

7.1.2. Using Paint Remover, Scouring Pads, and Wiping Rags, carefully remove the Black Acrylic Lacquer and Primer from the exposed surface of the Bearing's Outer Race until the SN is exposed. The following is an example of what should be etched on the outside surface of the Duplex Bearing in 1/8 inch block letters: "(BH) 406-040-724-103 KAYDON 13641001 KY###".

7.1.3. Determine if one of the following suspect serial numbered Duplex Bearings is installed.

KY543	KY551	KY556	KY557	KY558	KY559
KY564	KY576	KY577	KY578	KY579	KY582
KY586	KY665	KY909	KY911	KY912	KY917
KY918	KY919	KY920			

7.1.3.1. If a suspect Bearing is NOT installed, proceed to para 7.2.

7.1.3.2. If a suspect Bearing IS installed, or if the SN cannot be determined, proceed to para 7.3.

7.2. If a suspect Bearing is NOT installed, clean outer surface of Bearing Race and touch up with Primer and Topcoat IAW TM 55-1500-345-23 and TM 1-1520-248-23 using Epoxy Primer per MIL-P-23377 Ty I, Cl C, and Flat Black Lacquer Topcoat per MIL-L-81352 (alternate Primers/Topcoats may be used that meet specifications IAW TM 55-1500-345-23). Proceed to para 7.4.

7.3. If a suspect Bearing IS installed, or the SN cannot be determined, perform the following.

7.3.1. Purge/lubricate the Bearing with Grease, MIL-G-81322, as shown in the illustration on Sheet 8 of 9 in TM 1-1520-248-23, Chap 1, Sec. V, 1-44, at both Grease Fittings. Lubricate each Grease Fitting until grease exits from the Seal using care to avoid excessive grease pressure to avoid damaging the Seal.

7.3.2. Use a clean Wiping Rag to clean purged grease from the Seal area between the Torquemeter Support and the top plate of the MR Hub.

7.3.3. Make the following entry on the DA Form 2408-13-1. Enter a Red Diagonal "/" status symbol with the following statement: "Torquemeter Support Duplex Bearing requires replacement IAW H-58-11-AMAM-16 NLT [## ###] 11." Convert [## ###] to be 30 days from the date of the inspection.

7.4. Clear the initial entry from para 4 and note compliance 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: "Torquemeter Support Duplex Bearing, H-58-11-AMAM-16, not complied with."

Do not remove original condition tags. Annotation of the serviceability tag is NOT required for parts received after 1 SEP 11.

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 listed in para 3 until in compliance with message requirements.

8.1.2. Contact the supported aviation unit, as required, to perform the procedures required on affected items.

NOTE

If a Bearing listed in para 7 is identified in stock as a spare, or is installed in a Torquemeter Support Assembly, the Bearing will not be returned to serviceable condition and installed on an aircraft.

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) - Annotate the Serviceability Tag IAW para 8.

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

10. SUPPLY/PARTS (REQUISITION/DISPOSITION) -

10.1. Parts Required -

Nomenclature	PN/NSN	Qty	Cost ea.	Total \$
Bearing, Ball,	406-040-724-103	1	\$16976.11	\$16976.11
Duplex	3110-01-164-8447			

Total cost per aircraft = \$16976.11

10.2. Bulk and Consumable Materials -

Nomenclature	PN	NSN
Primer	MIL-P-23377	8010-01-139-3550 *
Lacquer	MIL-L-81352	8010-00-066-9430 *
Grease, Aircraft	MIL-G-81322	9150-00-145-0268 *

* or authorized equivalent

NOTE

Project Code "X7M" (X-ray Seven Mike) 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 "X7M".

10.4. Disposition of Discrepant Parts/Components - Unit will 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 "X7M".

10.5. Disposition of Hazardous Material - N/A.

11. MAINTENANCE APPLICATION -

11.1. Category of Maintenance - Field Maintenance.

11.2. Estimated Time Required -

11.2.1. Time to complete inspection - Total of 1.0 man-hour using 1 person.

NOTE

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

11.2.2. Time for repair/replacement - Total of 16.0 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 55-1500-345-23.

12.2. Publication Changes - N/A.

13. POINTS OF CONTACT -

13.1. Technical POCs -

13.1.1. Primary -Mr. Ahmad Kharofa, DSN 788-1389 or 256-842-1389. Fax: 788-6758 or 256-842-6758. Email: "ahmad.a.kharofa@us.army.mil".

13.1.2. Alternate - Mr. Lon Stanger, DSN 897-4304 or 256-313-4304. Fax: DSN 746-8373 or 256-876-6758. Email: "lon.stanger@us.army.mil".

13.2. Project/Product Manager's (PM) Office POCs -
13.2.1. Primary - 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".
13.2.2. 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".
13.3. Wholesale Materiel POC (DLA) - Mr. Erik Wetterhall, DSN 645-9786 or 256-955-9786. Fax: DSN 645-7125 or 256-955-7125. Email: "eric.wetterhall@peoavn.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@us.army.mil".
13.4.2. Alternate - Ms. Renate Richters, DSN 746-2570 or 256-876-2570. Email: "renate.richters@us.army.mil".
13.5. AMCOM Safety POCs -
13.5.1. Primary - Mr. Harry Trumbull, DSN 897-2095 or 256-313-2095. Email: "harry.trumbull@us.army.mil".
13.5.2. Alternate - Mr. Don Swallom, DSN 788-8641 or 256-842-8641. Email: "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".
13.6.2. Alternate - Mr. Robert Dubose, DSN 788-1068 or 256-842-1068. Email: "robert.dubose@us.army.mil".
13.7. After hours, contact the AMCOM Operations Center (AOC), DSN 897-2066/7 or 256-313-2066/7.