

UNCLASSIFIED

MSG DTG 171545Z JUN 14

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

SUBJECT - SAFETY OF FLIGHT (SOF), TECHNICAL, ALL OH-58D/F
SERIES AIRCRAFT, ACCESSORY GEARBOX SNAP RING, H-58-14-SOF-03

NOTE

This message is RESTRICTED to US Government and supporting agencies only. All other distribution requires approval from the AMCOM Commander.

NOTE

This message is issued per AR 750-6 to Commanders of Army Commands (ACOM), Army National Guard (ARNG), Army Service Component Commands (ASCC), and Direct Reporting Units (DRU). Commanders must retransmit this message to all subordinate organizations. Notify the AMCOM SOF compliance officer at "usarmy.redstone.amcom.mbx.safety-sof-team@mail.mil" when complete.

NOTE

Per AR 750-6, commanders/directors in the grade of major general or civilian equivalent may authorize temporary exception from message requirements. These exceptions may only occur during combat operations, matters of life or death in civil disasters, or other emergencies when aircraft operation is required.

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 Grounding //X//.

NOTE

Commanders, facility managers, and contractors at all levels will not issue aircraft until they are in compliance with this message.

NOTE

A listing of all messages and any required reports, supplements, or addendums can be downloaded at: "<https://asmprd.redstone.army.mil>".

1. SUMMARY -

1.1. Background - Rolls Royce determined a group of Model 250-C30R/3 Engines are suspect of having an improperly installed Spur Adapter Gearshaft (SAG) Retaining Ring. The improper seating of the retaining ring can cause a loss of position of the SAG and abnormal wear of the associated components. This could result in an inability to drive the gas generator gear train within the accessory gear box thus affecting fuel flow to the engine. Rolls Royce has released a Commercial Engine Bulletin to address this issue.

1.2. Message Purpose - Require one-time inspections of the SAG, the SAG Retaining Ring, and the Centrifugal Breather Spur Gearshaft.

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

3. ASSEMBLIES/COMPONENTS/PARTS AFFECTED -

3.1. Suspect Assemblies/Components/Parts -

Nomenclature	PN	NSN
Ring, Retaining, Internal	6726656-96	5325-01-042-9839
Gearshaft, Spur Adapter	23073521	N/A
Gearshaft, Spur, Centrifugal Breather	6898642	3040-01-166-3570

3.2. Additional Assemblies/Components/Parts Affected -

Nomenclature	PN	NSN
Engine, ACFT, Turbo-shaft (Model 250-C30R/3)	23065550	2840-01-444-3770

4. INITIAL AIRCRAFT TAMMS-A (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 Horizontal Dash //-// status symbol with the following statement: "Comply with requirements of H-58-14-SOF-03 prior to the next flight, but not to exceed 25 JUN 14."

5. COMPLIANCE REPORTING REQUIREMENTS -

NOTE

Report compliance with this message via the AMCOM Message Tracking System (AMTRACKS) at ["https://amtracks.redstone.army.mil"](https://amtracks.redstone.army.mil). Unit personnel

designated to submit reports must establish a profile in AMTRACKS.

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 the report via AMTRACKS by 28 JUN 14 per AR 750-6. This report will include the Aircraft SN, MDS, Date of Initial TAMMS-A Entry, Component SN (Engine), the Inspection Results/Comments (enter "PASS" or "FAIL"), and check the box "Entered on DA Form 2408-5-1 (Engine)".

NOTE

Facilities which maintain Retail Stock must have a general user registered in AMTRACKS to submit the required compliance report. This registration does not require entry of an aircraft SN or MDS. Questions regarding registration can be forwarded to the AMTRACKS Administrators at "redstone-amtracks@conus.army.mil".

5.3. Retail Stock Task/Inspection Compliance Report (Installation level and below) - Submit retail stock task/inspection compliance report via AMTRACKS by 28 JUN 14 per AR 750-6. This report will only be submitted for engines in stock which are listed in the addendum by SN and will include the Component Nomenclature, Component SN, and Inspection Results (enter "PASS" or "FAIL").

5.4. Wholesale Stock Task/Inspection Compliance Report (including Depot Stock, Depot Maintenance, and Overhaul/Repair Facilities) - N/A.

6. SPECIAL PROVISIONS TO MESSAGE REQUIREMENTS (AIRCRAFT) -

NOTE

For the purposes of this message, aircraft away from home station is defined as aircraft which do not have access to a maintenance facility capable of meeting all message task/inspection requirements.

Aircraft in Transit (surface/air shipment/ferry status/ aircraft away from home station) - Unit commanders unable to comply with the requirement specified in paragraph 4 may defer making the initial aircraft TAMMS-A entry until arrival at final destination. Adjust the date in the TAMMS-A entry to be 7 days after arrival at destination.

7. TECHNICAL PROCEDURES/INSTRUCTIONS - Unless otherwise stated, all message requirements shall be completed by the suspense date listed in paragraph 4.

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).

NOTE

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

NOTE

Requests for exceptions (waivers) to this message will be submitted per GEN-14-AMAM-01, Message Exception (Waiver) Process, and AR 750-6. For help, contact the AMCOM Safety POC in paragraph 13.4.1.

- 7.1. Inspect the data plate of the Rolls Royce 250-C30R/3 Engine to determine the SN.
- 7.2. Refer to Table 1 and Figure 1 of the addendum and determine if the engine SN is listed.
 - 7.2.1. If the engine SN **IS** listed, proceed to para 7.3.
 - 7.2.2. If the engine is **NOT** listed, the inspection is complete. Proceed to paragraph 7.4.

NOTE

A Rolls Royce Contract Field Service Representative (CFSR) must be present to verify the serviceability of the Breather Gear, SAG Gear, and SAG Retaining Ring on all suspect engines.

- 7.3. Referring to the addendum (pages 3-12), conduct a visual inspection of the engine accessory gearboxes Breather Gear, SAG, and SAG Retaining Ring.
 - 7.3.1. If the Breather Gear, SAG, and SAG Retaining Ring ALL pass the required inspections, reinstall the Oil Filter Housing per the addendum and proceed to para 7.4.
 - 7.3.2. If ANY of the components DO NOT pass the inspections, the engine is unserviceable.
 - 7.3.2.1. Remove the engine per Work Package (WP) 0830 00.
 - 7.3.2.2. Install the replacement engine per WP 0833 00.
- 7.4. Note compliance as follows.
 - 7.4.1. Clear the initial entry from paragraph 4 and note compliance on DA Form 2408-5-1 (Engine).

7.4.2. Record compliance with Commercial Engine Bulletin (CEB) A-72-3295 in the applicable section of the engine logbook, Engine Assembly (white pages), Part III, Modification Record.

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

Annotate the serviceability tag with: "Accessory Gearbox Snap Ring, H-58-14-SOF-03, not complied with." Do not remove original condition tags. Activities at all levels are required to continue annotating the serviceability tag of newly received stock until 16 JUL 14.

8.1. Items in Retail Stock - Commanders and facility managers that maintain 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 Retail Stock Task/Inspection report per paragraph 5.3.

8.2. Items in Wholesale Stock (including depot stock, depot maintenance, and overhaul/repair facilities) - Annotate the Serviceability Tag per paragraph 8.

9. SPECIAL TOOLS AND FIXTURES REQUIRED - Per the addendum.

10. SUPPLY/PARTS (REQUISITION/DISPOSITION) -

NOTE

All required parts will be provided at no cost to the unit through the Rolls Royce CFSR.

10.1. Parts Required -

Nomenclature	PN/NSN	Qty	Cost ea.	Total \$
Engine, ACFT,	23065550	1	\$565,782.00	\$565,782.00
Turbo-shaft	2840-01-444-3770			
				Total cost per aircraft = \$565,782.00

10.2. Bulk and Consumable Materials -

Nomenclature	PN	NSN
Housing Gasket	23053996	2945-00-941-8150
O-Ring	AS3209-012	5331-00-166-0980
(Packing Seals)		
Nut, Self Locking	MS21043-3	5310-00-844-3302
Washer, Flat	MS9320-09	5310-00-188-3744
Washer, Flat	NAS1149C0332R	5310-01-352-2752

NOTE

Project Code X9V (X-ray Nine Victor) is required to track stock costs as a result of message actions.

10.3. Requisitioning Instructions - Requisition replacement parts using normal supply procedures. All requisitions shall use Project Code "X9V".

NOTE

Enter H-58-14-SOF-03, Accessory Gearbox Snap Ring, and a brief description of the deficiency noted into Block 3b of the Product Quality Deficiency Report (PQDR).

10.4. Disposition of Discrepant Parts/Components - Submit a Category I Product Quality Deficiency Report (CAT I PQDR). Dispose of the engine through the Rolls Royce CFSR using normal turn-in procedures. All turn-in documents must include Project Code "X9V".

10.5. Disposition of Hazardous Material - N/A.

11. MAINTENANCE APPLICATION -

11.1. Category of Maintenance - Field at Aviation Maintenance Company.

11.2. Estimated Time Required -

11.2.1. Time to complete inspection - Total of 1.0 man-hour using 2 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 8.0 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. TB 1-1500-341-01.

12.1.4. TM 1-1520-248-23&P.

12.1.5. TM 1-1500-328-23.

12.2. Publication Changes - TM 1-1520-248-23&P 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. Work Package 2517 00: REMOVE graphic APD032BA and REPLACE with the diagram provided in Figure 14 of the Addendum to H-58-14-SOF-03.

13. POINTS OF CONTACT -

13.1. Technical POCs -

13.1.1. Primary - Mr. Tim Snider (Avion), DSN 897-2405 or 256-313-2405. Email: "timothy.t.snider.ctr@mail.mil".

13.1.2. Alternate - Mr. Tim Tucker, DSN 897-5685 or 256-313-5685. Fax: DSN 788-6758 or 256-842-6758. Email: "timothy.w.tucker24.civ@mail.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.civ@mail.mil".

13.2.2. Alternate - Mr. Jack McRoberts, DSN 645-8265 or 256-955-8265. Fax: 897-1541 or 256-313-1541.

Email: "ellis.j.mcroberts.civ@mail.mil".

13.2.3. Item Manager (Engine) - Ms. Linda King, DSN 897-1316 or 256-313-1316. Fax: DSN 897-1541 or 256-313-1541. Email: "linda.k.king6.civ@mail.mil".

13.3. Forms and Records POCs -

13.3.1. TAMMS - Mr. Dean Geiselhart, DSN 788-2971 or 256-842-2971. Email: "dean.d.geiselhart.civ@mail.mil".

13.3.2. MCDS/LCF (Primary) - Mr. Jeff Sutherland, DSN 788-0860 or 256-842-0860. Email: "jeffrey.a.sutherland.civ@mail.mil".

13.3.3. MCDS/LCF (Alternate) - Mr. Lloyd Willits, DSN 746-3598 or 256-876-3598. Email: "lloyd.e.willits.civ@mail.mil".

13.4. AMCOM Safety POCs -

13.4.1. Safety (Primary) - Mr. Harry Trumbull, DSN 897-2095 or 256-313-2095. Email: "harry.e.trumbull.civ@mail.mil".

13.4.2. Safety (Alternate) - Mr. Don Swallom, DSN 788-8641 or 256-842-8641. Email: "donald.w.swallom.civ@mail.mil".

13.4.3. AMTRACKS (Primary) - Mr. Vic Mosley, DSN 788-8620 or 256-842-8620. Email: "victor.e.mosley.civ@mail.mil".

13.4.4. AMTRACKS (Alternate) - Ms. Teri Phipps, DSN 897-2097 or 256-313-2097. Email: "teri.l.phipps.civ@mail.mil".