

URGENT

*TB 1-2840-241-20-23

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

MANDATORY, RSC CSGLD-1860 (R1), INSPECTION ON ALL OH-58A/C SERIES AIRCRAFT, T63-A-720 ENGINES OIL PRESSURE REDUCER ASSEMBLY

Headquarters, Department of the Army, Washington, D. C.
23 August 2002

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

NOTE

THIS PUBLICATION IS EFFECTIVE UNTIL
RESCINDED OR SUPERSEDED.

1. Priority Classification. Urgent.

NOTE

IAW AR 95-1. paragraph 6-14A, MACOM Commanders may authorize temporary exception from TB requirement. Exception may only occur when combat operations or matter of life or death in civil disasters or other emergencies are so urgent that they override the consequences of continued aircraft operation.

a. Aircraft in Use. Upon receipt of this Technical Bulletin (TB) make the following entry on DA Form 2408-13-1: Enter a red horizontal dash //--// status symbol with the following statement:

(1) For OH-58A/C series. "(Inspect Oil Pressure Reducer Assembly IAW OH-58-02-ASAM-08 (TM 1-2840-241-20-23) before next engine run, but NLT 8 August 2002."

(2) Clear the red horizontal dash //--// entry when the procedures IAW paragraph 8 and 9 are completed. The affected aircraft shall be inspected as soon as practical but no later than 8 August 2002. Commander who are unable to comply with the requirements of this TB within the time frame specified will upgrade the affected aircraft status symbol to a red //X//.

b. Aircraft in Maintenance Facility:

(1) Aircraft in AVUM, AVIM, or Depot. Commanders and Facility Managers will not issue aircraft until they are in compliance with this TB.

(2) Aircraft at Contractor Facility. Contractor will inspect DD 250 aircraft prior to those aircraft departing for ferry to final destination.

*This TB supersedes USAAMCOM Aviation Safety Action Message OH-58-02-ASAM-08 241640Z, Jul 02.

c. Aircraft in Transit.

(1) Surface/Air Shipment. Same as paragraph 1. a.

(2) Ferry Status. Same as paragraph 1. a.

d. Maintenance Trainers (Category A and B). Same as paragraph 1. a.

e. Component/Parts in Stock Including War Reserves at All Levels (Depot and Others). Upon receipt of this TB, Depot and Materiel Activity Activity Commanders will ensure the materiel condition tags of all items in all condition codes listed in paragraphs 6 and 7 are annotated to read TB 1--2840--241--20--23 , Oil Pressure Reducer Assembly, not complied with."

(1) Wholesale Stock. Report receipt of this TB IAW paragraph 14b(1) NLT 1 August 2002. Upon receipt of this TB, Depot and Materiel Activity Commanders will ensure all items in condition codes //A//, //B//, /C//, //D//, and //E// listed in paragraph 6 and 7, are placed in condition code //J/ and tagged with a suspended tag/label. Materiel, DD Form 1575/DD Form 1574-1. Do not remove original condition tags. Report compliance IAW paragraph 14b(2) NLT 8 August 2002.

(2) Retail Stock. Report receipt of this TB, IAW paragraph 14c (1) NLT 1 August 2002. Upon receipt of this TB, Commanders and Facility Managers maintaining retail stock at installation level and below shall contact the supporting aviation unit to perform procedures in accordance with paragraphs 8 and 9 on subject materiel. Dispose of discrepant materiel IAW paragraph 10. Report compliance with this TB in accordance with paragraph 14. c. (2) NLT 8 August 2002.

f. Components/Parts in Work (Depot and Other Levels). Depot and Other Maintenance Activity Commanders will ensure items listed in paragraphs 6 and 7 are not issued until they are in compliance with this TB.

2. Task/Inspection Suspense Date. Complete inspection in accordance with paragraph 8 before next engine run up but NLT 12 August 2002.

3. TAMMS Reporting Compliance Suspense Date. Report compliance in accordance with paragraph 14. a. (1) NLT 1 August 2002.

4. Summary of Problem.

a. History. A category I Quality Deficiency Report (GDR) identified that an Oil Pressure Reducer Assembly/Tube nipple manufactured by B&E manufacturing company did not have a hole drilled through the Oil Pressure Reducer Restrictor. It has been determined that engine operation with a defective Oil Pressure Reducer installed will cause catastrophic failure of the number one compressor bearing within one hour of engine operation.

b. For manpower/downtime and funding impacts, see paragraph 12.

c. The purpose of this TB is to:

(1) Inspect all OH-58 series aircraft engines with less than one hour of operational time to determine if the Oil Pressure Reducer Assembly/Tube Nipple has a hole drilled in the outlet port of the Oil Pressure Reducer Restrictor.

(2) Remove from stock all Oil Pressure Reducer Assembly/Tube Nipples and Oil Pressure Reducer Restrictors manufactured that do not have a hole drilled in the outlet port of the Oil Pressure Reducer Restrictor.

5. End Items to be Inspected. All OH-58A/C aircraft.

6. Assembly/Component(s) to be Inspected.

NOMENCLATURE	PART NUMBER	NATIONAL STOCK NUMBER
Engine, Aircraft, T63-A-720	6887191	2840-01-013-1339

7. Parts to be Inspected.**NOTE**

P/N 6898989 is identified as a Tube Nipple in the T63 parts manual.

NOMENCLATURE	PART NUMBER	NATIONAL STOCK NUMBER
Nipple, Tube	6898989	4730-01--087-0022
Restrictor, Oil Pressure Reducer	6898986	2810-01--094-9740

8. Inspection Procedures.**NOTE**

Supplemental information/illustration for this TB can be viewed at (use lower case letters) "www.redstone.army.mil/sof/suppl/o58a0208.pdf", or at the Scout/Attack Helicopters Product Office web site at "[www.scout-attack.redstone.army.mil/.](http://www.scout-attack.redstone.army.mil/)"

a. For parts installed. Inspect the aircraft and engine DA Form 2408-16's, and engine DA Form 2408-5-1 to determine the total engine operational time since engine installation, and last installation of the Tube Nipple (P/N 6898989) and Oil Pressure Reducer Restrictor (P/N 6898986).

(1) For engines with more than one hour operational time since engine installation and list installation of Tube Nipple (P/N 6898989) and Oil Pressure Reducer Restrictor (P/N 6898986), The inspection is complete. Clear the red horizontal dash //--// entry required IAW paragraph 1A of this ASAM.

(2) For engines with one hour or less engine operational time, or if the last installation of Tube Nipple (P/N 6898989) and Oil Pressure Reducer Restrictor (P/N 6898986) can not be determined, proceed to paragraph 8b.

b. Remove the Oil Pressure Reducer Assembly/Tube Nipple (P/N 6898989) From OH-58A/C aircraft engines in accordance with the applicable AVUM/AVIM maintenance manual.

c. Inspect to verify that a hole is drilled in the Oil Outlet Port of the Oil Pressure Reducer Restrictor (P/N 6898986). the Nipple, Tube (P/N 6898989) must be removed from the Oil Pressure Reducer Restrictor in order to check for the drilled hole which is located on the side of the reducer.

(1) If a hole is drilled in the Oil Outlet Port, correct IAW paragraph 9a.

(2) If there is not a hole in the Oil Outlet Port, correct IAW paragraph 9b.

d. For parts not installed. Inspect all Oil Pressure Reducer Assembly/Tube Nipple (P/N 6898989) and Oil Pressure Reducer Restrictors (P/N 6898986) in stock to verify that a hole is drilled in the Oil Outlet Port of the Oil Pressure Reducer Restrictor.

(1) If a hole is found. This inspection is complete.

(2) If a hole is not found. Proceed to paragraph 9b.

9. Correction Procedures.

a. If a hole is drilled through the Outlet Port of the Oil Pressure Reducer Restrictor (P/N 6898986), reinstall IAW the applicable AVUM/AVIM maintenance manual and clear the red horizontal dash //--// entry.

NOTE

If an Oil Pressure Reducer does not a hole drilled through the Outlet Port of the Oil Pressure Reducer Restrictor and the Oil Pressure Reducer was installed on an engine, contact the Tech Poc IAW paragraph 16a prior to next engine start.

b. Dispose of discrepant parts IAW paragraph 10d and replace with a serviceable Oil Pressure Reducer Assembly/Tube Nipple (P/N 6898989) and Oil Pressure Reducer Restrictor (P/N 6898986).

10. Supply/Parts and Disposition.

NOTE

HQDA--ODCSOPS will prioritize units and repair parts distribution as required

- a. Parts Required. Items cited in paragraph 17 may be required to replace defective items.
- b. Requisitioning Instructions. Requisition replacement parts using normal supply procedures. All requisitions shall use project code (CC 57--59) "X1Y" "X-RAY--ONE--YANKEE".

NOTE

Project code "X1Y" is required to track and establish a data base of stock fund expenditures incurred by the field as a result of SOF actions.

- c. Bulk and Consumable Materials. Not applicable.
- d. Disposition. Demilitarize/mutilate IAW TM 1--1500--328--23 any part/components which does not meet inspection criteria.
- e. Disposition of Hazardous Material. Not applicable.

11. Special Tools, Jigs, and Fixtures Required. Not applicable.

12. Application.

a. Category of Maintenance. AVUM or AVIM. Aircraft downtime will be charged to AVUM or AVIM as appropriate. Report aircraft Non--Mission Capable Maintenance (NMCM) while undergoing inspection and correction in accordance with this TB.

- b. Estimated Time Required.
 - (1) Total of man-hours using 1 person.
 - (a) Total of 0.5 man--hours using one person.
 - (b) Total of 0.5 hours downtime for one end item.
 - (2) Time for repair/replacement.
 - (a) Total of 0.5 man--hours using 1 person.
 - (b) Total of 0.5 hours downtime for one end item.

c. Estimated Cost Impact of Stock Fund Items to the Field.

NOMENCLATURE	PART NUMBER	NATIONAL STOCK NUMBER	QTY	COST EA.	TOTAL \$
Nipple, Tube	6898989	4730--01--087--9922	1	\$113.63	\$113.63
Total cost per aircraft =				\$113.63	

- d. TB/MWOs to be Applied Prior to or Concurrently with this Inspection. Not applicable.
- e. Publications Which Require Change as a Result of This Inspection. Not applicable.

13. Reference.

- a. AR 95--1.
- b. DA PAM 738--751, 15 March 1999.
- c. TM 55--2840--241--23.

- d. TM 55-2840-241-23P.
- e. TM 1-1500-328-23.

14. Recording and Reporting Requirements.

a. Aircraft.

(1) TAMMS Reporting Compliance Suspense Date. Upon entering requirements of this TB on DA Form 2408-13-1 for all effected aircraft, Commanders will forward a priority message to Commander, AMCOM, ATTN: AMSAM-SF--A (SOF Compliance Officer), Redstone Arsenal, AL. 35898-5000, in accordance with AR 95--1, no later than date specified in paragraph 3. Datafax number is DSN 897-2111 or 256-313-2111. E--Mail safeadm@redstone.army.mil. Report will cite this TB, date of entry on DA Form 2408--13-1, aircraft mission design and series, and serial numbers of aircraft in numerical order.

(2) Task/Inspection Reporting Suspense Date. Upon completion of inspection, Commanders will forward a priority message to Logistical Point of Contact listed in paragraph 16. b. Report will cite this message and TB. date of inspection, number of discrepant parts identified installed and in stock. Inspection and reports will be completed no later than date specified in paragraph 2.

b. Wholesale Spare Parts/Assemblies.

(1) Reporting TB receipt. Depot and Materiel activity commander will report receipt of this TB by email or fax to the wholesale materiel POC (SPARS) listed in paragraph 16c NLT date specified in paragraph 1.e(1).

(2) Task/Inspection Reporting Suspense. Depot and Materiel Activity commander will provide a DD Form 1225 to the wholesale materiel POC (SPARES) listed in paragraph 16c NLT date specified in paragraph 1.e. (1). Provide an estimate of the cost reimbursable funding required to move serviceable items on hand listed in paragraph 7 to a work area, unpack the materiel, repack the materiel after inspection by AMCOM inspectors, and to return the materiel to storage, as appropriate. Report, by original serviceable condition code, the quantity of materiel place in condition code //J//. Report by email or fax and provide local POC.

c. Retail Spare Parts/Assemblies.

(1) Reporting TB Receipt. Commanders and facility managers will report receipt of this TB by email or fax to the LOG POC listed in paragraph 16B NLT date specified in paragraph 1.e.(2).

(2) Task/Inspection Reporting Suspense. Commander and facility managers will report inspection results to the LOG POC in paragraph 16b NLT date specified in paragraph 1.e.(2). Report the quantity inspected by condition code and the resulting condition code. Report by email or fax and provide local POC.

- d. The following forms are applicable and are to be completed in accordance with DA PAM 738-751, 15 March 1999:

NOTE

ULLS--A users will use applicable "E" forms.

- (1) DA Form 2408-5-1, Equipment Modification Record (Engine).
- (2) DA Form 2408-13, Aircraft Status Information Record.
- (3) DA Form 2408-13-1, Aircraft Inspection and Maintenance Record.
- (4) DA Form 2408-16, Aircraft Component Historical Record.
- (5) DA Form 1575/DD Form 1575-1, suspended Tag/Label. Materiel (Color Brown). Annotate remarks block with "suspended IAW OH-58-02--ASAM-08 (TB 1-2840-241-20-23)."
- (6) DA Form 1577/DD Form 1577-1, unserviceable (condemned) Tag/Label. Materiel (Color Red). Annotate remarks block with "condemned IAW OH-58-02--ASAM-08 (TB 1-2840-241-20-23) and mutilated IAW TM 1-1500-328-23."

15. Weight and Balance. Not applicable.

16. Points of Contact.

a. Technical Point of Contact is Mr. Gary Oglesby, AMSAM--RD--AE--P--E, DSN 897--2350 or 256--319--5247, fax is 256--705--9922. E-Mail gary.oglesby@redstone.army.mil.

b. Logistical Point of Contact is Ms. Susan Lewis, SFAE--AS--ASH--L, DSN 645--8249 or 256--955--8249, fax DSN 256--955--7125. E-Mail susan.lewis@redstone.army.mil

c. Wholesale Point of Contact (Spares) is Mr. Robert Johnson, DSCR--XBD, DSN 695--5310 or (804) 279--5310. E-Mail is "robert.g.johnson@DSCR.DLA.MIL".

d. Forms and Records Point of Contact is Ms. Ann Waldeck, AMSAM--MMC--MA--NM, DSN 746--5564 or 256--876--5564, fax 746--4909. E-Mail ann.waldeck@redstone.army.mil.

e. Safety Points of Contact:

(1) Primary — Mr. Harry Trumbull (SAIC), AMSAM--SF--A, DSN 897--2095 or (256) 313--2095, fax is DSN 897--2111 or (256) 313--2111. E-mail is "harry.trumbull@redstone.army.mil".

(2) Alternate — Mr. Ron Price, AMSAM--SF--A, DSN 788--8636 or 256--842--8636, fax DSN 897--2111 or 256--313--2111. E-Mail ron.price@redstone.army.mil.

f. Foreign Military Sales (FMS) recipients requiring clarification of action advised by this TB should contact:

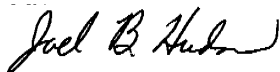
(1) Primary — Mr. Ronnie W. Sammons, AMSAM--SA--AS--UT, DSN 897--0407 or 256--313--0407, fax DSN 897--0411 or 256--313--0411. E-Mail ronnie.sammons@redstone.army.mil.

g. After hours contact AMCOM Command Operations Center (COC) DSN 897--2066/7 or commercial 256--313--2066/7.

By Order of the Secretary of the Army:

Official:

ERIC K. SHINSEKI
General, United States Army
Chief of Staff



JOEL B. HUDSON
Administrative Assistant to the
Secretary of the Army

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DISTRIBUTION:

To be distributed in accordance with Initial Distribution Number (IDN) 314066, requirements for TB 1--2840--241--20--23.

These are the instructions for sending an electronic 2028

The following format must be used if submitting an electronic 2028. The subject line must be exactly the same and all fields must be included; however only the following fields are mandatory: 1, 3, 4, 5, 6, 7, 8, 9, 10, 13, 15, 16, 17, and 27.

From: "Whomever" <whomever@where.army.mil

To: 2028@redstone.army.mil

Subject: DA Form 2028

1. **From:** Joe Smith
2. **Unit:** home
3. **Address:** 4300 Park
4. **City:** Hometown
5. **St.:** Louis, MO
6. **Zip:** 77777
7. **Date Sent:** 19-OCT.-93
8. **Pub no:** 55-2840--229-23
9. **Pub Title:** TM
10. **Publication Date:** 04--JUL-85
11. **Change Number:** 7
12. **Submitter Rank:** MSG
13. **Submitter F Name:** Joe
14. **Submitter M Name:** T
15. **Submitter L Name:** Smith
16. **Submitter Phone:** 123-123--1234
17. **Problem: 1**
18. **Page:** 2
19. **Paragraph:** 3
20. **Line:** 4
21. **NSN:** 5
22. **Reference:** 6
23. **Figure:** 7
24. **Table:** 8
25. **Item:** 9
26. **Total:** 123
27. **Text:**

This is the text for the problem below line 27.