

URGENT

*TB 1-1520-248-20-59

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

ONE TIME INSPECTION FOR DISCREPANT BELL HELICOPTER TEXTRON PARTS ALL OH-58D AIRCRAFT

Headquarters, Department of the Army, Washington, D. C.
17 August 2001

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NOTE

THIS PUBLICATION IS EFFECTIVE
UNTIL RESCINDED OR SUPERSEDED.

1. Priority Classification. **URGENT.**

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: "inspect all OH-58D aircraft in accordance with TB 1--1520--248--20--59 prior to next flight, but no later than 14 days from the date time group of OH-58-01-ASAM-05 16 August 2001." Affected aircraft shall be inspected as soon as practical but no later than 16 August 2001. Commanders unable to comply with requirements of this TB within time frame specified will upgrade affected aircraft status symbol to a red X.

b. Aircraft in Maintenance Facility.

(1) Aircraft in AVUM, AVIM, or Depot Maintenance. Same as paragraph 1. a.

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

c. Aircraft in Transit.

(1) Surface/Air Shipment. Prior to first flight.

(2) Ferry Status. Inspect at final destination.

d. Maintenance Trainers Categories 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 Commanders will ensure Materiel Condition Tags of all items condition codes listed in paragraph 6. and 7. b. are annotated to read: "OH-58-01-ASAM-05 and TB 1-1520-248-20-59, Discrepant Bell Helicopter TEXTRON parts not complied with".

*This TB supersedes OH-58-01-ASAM-05 021919Z Aug 01.

NOTE

Provisions of the following paragraph do not apply to parts listed in paragraph 7. a. These parts have been located on specific aircraft and do not require further inspection.

(1) Wholesale Stock. Report receipt of this TB in accordance with paragraph 14. b. (1) no later than three days from date time group of OH-58-01-ASAM-05. Upon receipt of this TB, Depot and Materiel Commanders will ensure all items in Condition Code A, B, C, D, and E listed in paragraphs 6. and 7. b. are placed in Condition Code J and tagged with a suspended Tag/Label Materiel, DD Form 1575/DD Form 1575-1. Do not remove original condition tags. Report compliance with this TB in accordance with paragraph 14. b. (2) no later than seven calendar days from date time group OH-58-01-ASAM-05.

(2) Retail Stock. Report receipt of this TB in accordance with paragraph 14. c. (1) no later than three days after date time group OH-58-01-ASAM-05. Upon receipt of this TB, Commanders and Facility Managers maintaining Retail Stock at installation level and below shall contact supported aviation unit to perform procedures required in accordance with paragraphs 8. and 9. on suspect materiel. Report compliance with this TB in accordance with paragraph 14. c. (2) no later than seven calendar days from date time group of OH-58-01-ASAM-05.

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

2. Task/Inspection Suspense Date. Complete inspection in accordance with paragraph 8. prior to next flight but no later than fourteen days from date time group of OH-58-01-ASAM-05 and report in accordance with paragraph 14-a.-(2) no later than three working days after Task/Inspection Suspense.

3. Reporting Compliance Suspense Date. Report compliance in accordance with paragraph 14.a. (1) not later than 7 August 2001.

4. Summary of Problem.

a. Bell Helicopter TEXTRON issued military alert bulletin USA-OH-58-01-63 which identified discrepant parts or components that escaped Bell Helicopter TEXTRON's quality control system and may have been installed on aircraft or delivered to the Government. These parts do not meet specifications and are not to be used.

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

c. The purpose of this TB is to locate and remove discrepant parts from service.

5. End Items to be Inspected. All OH-58D aircraft.

6. Assemblies Components to be Inspected.

NOMENCLATURE	PART NUMBER	NATIONAL STOCK NUMBER
Transmission	406-040-007-111	1615-01-443-4904

7. Parts to be Inspected.

a. Parts located on specific aircraft or at depot.

NOTE

Bevel Gear listed below is located at Red River Army Depot.

NOMENCLATURE	PART NUMBER	NATIONAL STOCK NUMBER
Bevel Gear	406-040-021-101	3020-01-164-6763
Tube Assembly	406-001-021-111	3040-01-181-4087
Support Assembly	406-001-500-101	1560-01-164-3854
Pitch Horn	406-010-111-105	1615-01-171-3853
Drive Link	406-010-407-105	1615-01-164-8038

b. Discrepant parts that location is unknown.

NOMENCLATURE	PART NUMBER	NATIONAL STOCK NUMBER
Link	406-040-318-105	1615-01-184-6134
Transmission Adapter	406-040-070-101	1615-01-185-8871
Gear	406-040-021-101	2030-01-164-6763
Hanger Bearing Bracket	406-040-321-101	1560-01-184-6136

8. Inspection Procedures.

NOTE

Some Bell Helicopter serial numbers may have leading zeros as place holders to make the serial number six digits. Example: serial number A-FS 123 may read A-FS 000123, or A-FS 1234 may be A-FS 001234. If serial number can not be determined, Contact Technical Point of Contact in paragraph 16. a. for further instructions.

a. Parts on all aircraft.

(1) Conduct visual inspection of all OH-58D aircraft for the following serial numbered parts.

NOMENCLATURE	PART NUMBER	NSN	SERIAL NO.
Transmission	406-040-007-111	1615-01-443-4909	A-FS 066
Link	406-040-318-105	1615-01-184-6134	A-FS 2693
Link	406-040-318-105	1615-01-184-6134	A-FS 2674
Transmission Adapter	406-040-070-101	1615-01-185-8871	A-FS 718
Transmission Adapter	406-040-070-101	1615-01-185-8871	A-FS 780
Hanger Bearing Bracket	406-040-321-101	1560-01-184-6136	A-FS 388

(2) If no discrepant parts are installed on aircraft, make the following entry on DA Form 2408-13-1. Enter a Red X status symbol with the following statement: "(Specify Part) Unserviceable in accordance with TB 1-1520-248-20-59.

(3) Replace discrepant parts in accordance with paragraph 9.

b. The following components have been verified as being installed on specific aircraft.

(1) Inspect the following aircraft for these serial numbered parts:

AIRCRAFT	NOMENCLATURE	PART NO./NSN	SERIAL NO.
92-00605	Tube Assembly	406-001-021-111/3040-01-181-4087	A-FS 1145
92-00604	Tube Assembly	406-001-021-111/3040-01-181-4087	A-FS 1146
96-00128	Support Assembly	406-001-500-101/1560-01-164-3854	A-FS 064
96-00126	Pitch Horn	406-010-111-105/1615-01-171-3853	A-FS 2969
96-00125	Drive Link	406-010-407-105/1615-01-164-8083	A-FS 1049

(2) Make the following entry on DA Form 2408-13-1. Enter a Red X status symbol with the following statement: "(Specify Part) unserviceable in accordance with TB 1-1520-248-20-59".

(3) Replace discrepant parts in accordance with paragraph 9.

c. If discrepant parts in paragraphs 8.a and 8.b. are not installed, inspection is complete and Red Horizontal Dash entry shall be cleared. Complete reports in accordance with paragraph 14. a. (2).

d. Parts in Stock. Parts in stock at all levels will be inspected for the following serial numbered parts and components.

NOTE

The bevel gear listed below is located at Red River Army Depot.

NOMENCLATURE	PART NO.	NSN	SERIAL NO.
Bevel Gear	406-040-021-101	3020-01-164-6763	A-FS 1330
Transmission	406-040-007-111	1615-01-443-4904	A-FS 066
Link	406-040-318-105	1615-01-184-6134	A-FS 2693
Link	406-040-318-105	1615-01-184-6134	A-FS 2674
Transmission Adapter	406-040-070-101	1615-01-185-8871	A-FS 718
Transmission Adapter	406-040-070-101	1615-01-185-8871	A-FS 780

(1) If any of the serial numbered items are located, remove these items from stock in accordance with paragraph 9.

(2) Once components have been inspected, note compliance with this TB on serviceable tag and remove DD Form 1575 Suspended Tag (color brown).

(3) If no discrepant parts are located, inspection is complete. Complete reports in accordance with paragraph 14. b. (2) or 14. c. (2) as appropriate.

9. Correction Procedures.

NOTE

If suspect transmission is located, green tag as unserviceable (reparable). All other parts will be tagged as unserviceable (condemned).

NOTE

For transmission, 406-040-007-111, 1615-01-443-4904, A-FS 066, include the following on deficiency report. "This transmission is suspected of containing discrepant pinion, 406-040-095-101, 3020-01-333-2955, A-FS 7365".

a. Discrepant Parts Installed on aircraft.

(1) Remove suspect part or component and replace with serviceable part in accordance with TM 1-1520-248-23.

(2) Complete serviceability tag as required.

(3) Submit a Category I Deficiency Report for discrepant parts and dispose of discrepant parts in accordance with paragraph 10. d.

(4) Request replacement parts in accordance with paragraph 10. b.

(5) Complete report in accordance with paragraph 14. a. (2).

(6) Clear Red X entry once parts have been replaced.

b. Removal of Discrepant Parts from Stock.

(1) Complete serviceable tags as required.

(2) Submit a Category I Deficiency report and dispose of discrepant parts in accordance with paragraph 10. d.

(3) Request replacement parts, as required, in accordance with paragraph 10. b.

(4) Complete report in accordance with paragraph 14. b. (2) or 14. c. (2) as appropriate.

10. Supply Parts and Disposition.

- a. Parts Required. Items cited in paragraphs 6 and 7 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) "X0W" (X-RAY-ZERO-WHISKEY).

NOTE

Project Code "X0W" is required to track and establish a data base of stock fund expenditures incurred by the field as a result of TB actions.

- c. Bulk and Consumable Materials. Not applicable.
- d. Disposition. Process a Category II Deficiency Report for any discrepant parts or components located. This will facilitate tracking of Bell Helicopter TEXTRON's Quality Deficiencies and eventual Government reimbursement. Reference this TB in the deficiency report. Dispose of discrepant parts in accordance with instructions received from AMCOM System Engineering.
- e. Disposition of Hazardous Material. In accordance with Environmental Protection Agency directives as implemented by your servicing environmental coordinator. (AR 200-1)

11. Special Tools, Jigs, and Fixtures. As required.

12. Application.

- a. Category of Maintenance. AVUM. Aircraft downtime will be charged to AVUM maintenance. Report aircraft Non-Mission Capable Maintenance (NMCM) while undergoing inspection and correction in accordance with this TB. Report aircraft Non-Mission Capable Supply while waiting for parts in accordance with this TB.
- b. Estimated Time Required.
 - (1) Time to complete Inspection. Total of 2 man-hours using 1 person.
 - (2) Time for Repair/Replacement. Total of 80 man-hours using two persons to replace all discrepant parts listed in this TB for all aircraft combined. Total time per airframe is dependent on number of components found on that aircraft.
- c. Estimated Cost Impact of Stock Fund Items to the Field.

NOMENCLATURE	PART NUMBER/ NATIONAL STOCK NUMBER	QTY.	COST EACH	COST TOTAL
Transmission	406-040-007-111/1615-01-443-4909	1	\$99212.00	\$99212.00
Tube Assembly	406-001-021-111/3040-01-181-4087	1	\$ 821.01	\$ 821.01
Support Assembly	406-001-500-101/1560-01-164-3854	1	\$ 2363.39	\$ 2363.39
Pitch Horn	406-010-111-105/1615-01-171-3853	1	\$ 1923.66	\$ 1923.66
Drive Link	406-010-407-105/1615-01-164-8083	1	\$ 422.93	\$ 422.93
Link	406-040-318-105/1615-01-184-6134	1	\$ 196.60	\$ 196.60
Transmission Adapter	406-040-070-101/1615-01-185-8871	1	\$ 99.57	\$ 99.57
Hanger Bearing Bracket	406-040-321-101/1560-01-184-6136	1	\$ 677.22	\$ 677.22

Maximum total cost per aircraft = \$105716.38

- 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. References.

- a. DA PAM 738-751, 15 March 1999.
- b. TM 1-1520-248-23, 28 February 2000.

14. Recording and Reporting Requirements.

a. Aircraft.

(1) Reporting Compliance Suspense. Upon entering requirements of this TB on DA Form 2408-13-1 for all affected aircraft, Commanders will forward a priority message, datafax or E-Mail to Commander, AMCOM, ATTN: AMSAM--SF-A (SOF Compliance Officer), Redstone Arsenal, AL. 35898-5000, in accordance with AR 95-1, not later than date specified in paragraph 3. Datafax number is DSN 897-2111 or 256-313-2111. E-Mail address is safeadm@redstone.army.mil. The 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. Upon completion of inspection, Commanders will forward a priority message to Logistics Point of Contact listed in paragraph 16.b. The report will cite this TB, date of inspection, aircraft serial number, aircraft component hours, location of part, part and serial number of part found, and results of inspection. Inspection and reports will be completed not later than date specified in paragraph 2.

b. Wholesale Spares Parts/Assemblies.

(1) Reporting TB Receipt. Depot and Materiel Activity Commanders will report receipt of this TB by e-mail or datafax to Wholesales Materiel (Spares) Point of Contact in paragraph 16. c. not later than date specified in paragraph 1. e. (1). provide local Point of Contact.

(2) Task/Inspection Reporting Suspense. Depot and Materiel Activity Commanders will provide a DD Form 1225 to Wholesale Materiel Point of Contact (Spares) in paragraph 16. c. not later than date specified in paragraph 1. e. (1). Provide estimate of cost reimbursable funding required to move serviceable items on hand in paragraphs 6. and 7. b. to work area, unpack materiel; repack materiel after inspection, and to return materiel to storage as appropriate. Report, by original condition code, quantity of materiel placed in condition code J. Report by e-mail or datafax and provide local Point of Contact.

c. Retail Spares Parts/Assemblies.

(1) Reporting TB Receipt. Commanders and Facility Managers will report receipt of this TB by e-mail or datafax to Logistical Point of Contact in paragraph 16. b. not later than date specified in paragraph 1. e. (2). Provide local Point of Contact.

(2) Task/Inspection Reporting Suspense. Commanders and Facility Managers will report inspection results to Logistical Point of Contact in paragraph 16. b. not later than date specified in paragraph 1. e. (2). Report quantity inspected by condition code and resulting condition code. Report by e-mail or datafax and provide local Point of Contact.

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 (Transmission Only)
- (2) DA Form 2408-13, Aircraft Status Information Record.
- (3) DA Form 2408-13-1, Aircraft Inspection and Maintenance Record.
- (4) DA Form 2408-15, Historical Record for Aircraft.
- (5) DA Form 2408-16, Aircraft Component Historical Record.
- (6) DA Form 2410, Component Removal and Repair/Overhaul Record. (Only if Transmission removed/replaced)
- (7) DD Form 1574/DD Form 1574-1, Serviceable Tag/Label Materiel (color yellow). Annotate remarks block with "Inspected serviceable in accordance with TB 1-1520-248-20-59".
- (8) DD Form 1575/DD Form 1575-1, Suspended Tag/Label Materiel (color brown). Annotate remarks block with "Suspended in accordance with TB 1-1520-248-20-59".

(9) DD Form 1577/DD Form 1577-1, Unserviceable (Condemned) Tag/Label Materiel (color red). Annotate remarks block "Condemned in accordance with TB 1-1520-248-20-59".

(10) DD Form 1577-2/DD Form 1577-3, Unserviceable (Reparable) Tag/Label Materiel (color green). Annotate remarks block "Unserviceable in accordance with TB 1-1520-248-20-59".

15. Weight and Balance. Not applicable.

16. Points of Contact.

a. Technical point of contact for this TB is Mr. Gerald Johnson, AMSAM-RD-I-D-O, DSN 645-9545 or 256-955-9545, datafax DSN 645-9536, e-mail gerald.johnson@redstone.army.mil

b. Logistical Point of Contact for this TB is Ms. Ann Snodgrass, AMSAM-DSA-ASH-L, DSN 645-7528, or 256-955-7528, datafax DSN 645-7125, e-mail ann.snodgrass@redstone.army.mil.

c. Wholesale Point of Contact (Spares), for this TB is Mr. Tom Fitzgerald, AMSAM-MMC-AV-SOA, DSN 897-1391 or 256-313-1391, datafax DSN 788-6758 or 256-842-6758, e-mail thomas.fitzgerald@redstone.army.mil.

d. Forms and records point of contact for this TB is Ms. Ann Waldeck, AMSAM-MMC-MA-NM, DSN 746-5564 or 256-876-5564, datafax DSN 746-4904, e-mail ann.waldeck@redstone.army.mil.

e. Safety Points of Contact are:

(1) Primary; Mr. Randall Rushing (SAIC), AMSAM-SF-A, DSN 897-2092 or 256-313-2092, datafax DSN 897-2111 or 256-313-2111, e-mail randall.rushing@redstone.army.mil.

(2) Alternate; Mr. Ron Price, AMSAM-SF-A, DSN 788-8636 or 256-842-8636, datafax 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:

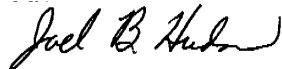
(1) Primary; Mr. Ronnie W. Sammons, AMSAM-SA-CS-NF, DSN 897-6856 or 256-313-6856. Datafax DSN 897-6630 or 256-313-6630, e-mail ronnie.sammons@redstone.army.mil.

(2) Alternate; Mr. Paul W. Tarr, AMSAM-SA-CS-NF, DSN 897-6861 or 256-313-6861, datafax DSN 897-6630 or 256-313-6630, e-mail paul.tarr@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:

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