

URGENT

*TB 1-1520-237-20-229

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

SAFETY OF FLIGHT TECHNICAL, RCS CSGLD-1-1860(R1), H-60 AIRCRAFT, REMOVAL OF LATERAL SERVO BELLCRANK ASSEMBLY, MANUFACTURED BY THE PURDY MACHINE COMPANY (CAGE 15152)

Headquarters, Department of the Army, Washington, D. C.
12 March 2001

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

1. Priority Classification. **URGENT**

NOTE

IAW AR 95-1, para 6-6A, MACOM Commanders may authorize temporary exception from ASAM message requirements. 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 message make the following entry on the DA Form 2408-13-1. Enter a Red Horizontal Dash //--// status symbol with the following statement: "Inspect the lateral servo bellcrank assembly IAW TB 1-1520-237-20-229 prior to next flight but NLT 12 Jan 01" Clear the Red Horizontal Dash //--// entry when the procedures IAW para 8 and 9 are completed. The affected aircraft shall be inspected as soon as practicable but no later than 12 Jan 01. Commanders who are unable to comply with the requirements of this message within the time frame specified will upgrade the affected aircraft status symbol to a Red //X//.

b. Aircraft in Depot Maintenance. Depot Commanders will not be issue aircraft until they are in compliance with this TB.

c. Aircraft Undergoing Maintenance. Same as para 1a.

* This TB supersedes USAAMCOM Aviation Safety of Flight Message (AMSAM), 051330ZJan01, UH-60-01-03.

d. Aircraft in Transit.

(1) Surface/Air Shipment – Same as para 1a.

(2) Ferry Status –

(a) Inspect at final destination.

(b) Sikorsky will inspect DD 250 aircraft prior to those aircraft departing for ferry to final destination.

e. Maintenance Trainers (Category A, and B). Same as para 1a.

f. Component/Parts in Stock at All Levels (Depot and Others), Including War Reserves. Upon receipt of this message, Depot and Material Activity Commanders will ensure the material condition tags of all items in all condition codes listed in paragraphs 6 and 7 are annotated to read "TB 1-1520-237-20-229 inspection of lateral servo bellcrank installation, not complied with".

(1) Wholesale Stock – Report receipt of message IAW paragraph 14c(1). Upon receipt of the message and/or TB, Depot and Material Activity Commanders will ensure all serviceable items (Condition Codes //A//, //B//, //C//, //D//, AND //E//) listed in paragraph 6 located in Wholesale Depot Storage shall be placed in condition code //J// and tagged with a Suspended Tag/Label – Material, DD Form 1576/DD Form 1576-1. Do not remove original condition tags. Report compliance with the message or this TB IAW paragraph 14d(1).

(2) Retail Stock – Report receipt of this message IAW paragraph 14c(2). Upon receipt of the message and/or TB, Commanders and Facility Managers maintaining retail stock at installation level and below shall contact the supported aviation unit to perform the procedures required IAW paragraphs 8 and 9 on suspect material. Dispose of discrepant material IAW paragraph 10. Report compliance with this message IAW paragraph 14d(2).

g. Components/Parts in Work (Depot Level and Others). Depot and other maintenance activity Commanders will ensure items listed in paragraph 6 are not issued until they are in compliance with this message.

2. Task/Inspection Suspense Date.

a. Complete the initial inspection IAW paragraph 8 prior to the next flight but NLT 12 Jan 01 and report IAW para 14b.

3. Reporting Compliance Suspense Date. Report compliance IAW para 14a NLT 26 Jan 01.

4. Summary of the Problem.

a. Lateral servo bellcrank assembly, P/N 70400-08150-045, manufactured by Purdy Machine Company (Cage Code 15152) completed preliminary strength testing in 1996. Results indicated that endurance strength was significantly below that of the original equipment manufacturer. The component retirement life was reduced to 360 hours, time since new, as outlined in Aviation Safety Action Message UH-60-ASAM-97-06 (TB 1-1520-237-20-189 and TB 1-1520-250-20-14), to minimize impact to the fleet and allow supply channels to accumulate adequate stockage levels. Scheduled retirement and equipment attrition should have removed discrepant assemblies from use. However, several assemblies were recently identified in use that had exceeded the allowable life limit of 360 hours.

b. For manpower/downtime and funding impacts see para 12.

c. The purpose of this TB is to purge all lateral bellcrank assemblies manufactured by the Purdy Machine Company, CAGE Code 15152, P/N 70400-08150-045.

5. End Items to be Inspected. All H-60 series aircraft.

6. Assembly Components to be Inspected.

NOMENCLATURE	PART NUMBER	NSN
Lateral Servo Bellcrank Assy	70400-08150-045	1615-01-158-9658

7. Parts to be Inspected. N/A

8. Inspection Procedures. Conduct visual inspection of the lateral servo bellcrank assembly to determine the serial number, part number and manufacturer's CAGE code.

a. If the manufacturer's CAGE code is other than "15152", the inspection is complete and the Red Horizontal Dash //--// entry may be cleared.

NOTE

In the event the aircraft is away from home station and the time since new does not exceed 360 hours, the unit Commander may authorize a one-time flight (Not to exceed 360 hours, time since new on lateral bellcrank servo assembly) to home station or nearest maintenance facility for correction procedures.

b. If the manufacturer's GAGE code is "15152", or the serial number is within the range of 32954-001 through 32954-160 or 0063-695 through 0063-912, enter a Red //X// on the DA Form 2408-13 and proceed to paragraph 9.

9. Correction Procedures.

a. If discrepant lateral servo bellcrank assembly is installed, remove and replace with a serviceable lateral servo bellcrank assembly IAW appropriate technical manual.

b. Complete and attach DD Form 1577/DD form 1577-1 to discrepant part IAW paragraph 10d.

10. Supply/Parts and Disposition.

a. Parts required. Items cited in paragraph 12c may be required to replace defective items. Lateral servo bellcrank, P/N 70400-08166-041 can be used in either UH-60A or UH-60L aircraft flight configurations and requires no additional hardware.

b. Requisitioning instructions. Requisition replacement parts using normal supply procedures. All requisitions shall use project code (CC 57-59) "X0L" (X-RAY-ZERO-LIMA).

NOTE

Project code "X0L" (X-RAY-ZERO-LIMA) 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. N/A

d. Demilitarize/mutilate any part/component which does not meet inspection criteria IAW TM 1-1500-283-23.

e. Disposition of Hazardous Material. IAW Environmental Protection Agency directives as implemented by your servicing environment coordinator (AR 200-1).

11. Special Tools, Jigs and Fixtures Required. As required.**12. Application.**

a. Category of Maintenance. Aircraft downtime will be charged to AVUM maintenance. Report aircraft Non-Mission Capable Maintenance (NMCM) while undergoing inspection and correction IAW this TB.

b. Estimated Time Required.

(1) Total of 1 man-hours using 1 person to complete inspection.

(2) Total of 3 man-hours using 1 person to replace suspect components, if required.

(3) Total of 3 hours downtime required for one end item if component replacement is required.

c. Estimated cost impact to the field.

NOMENCLATURE	P/N – NSN	QTY	COST EA.	TOTAL
Lateral Servo Bellcrank Assy	70400-08166-041 1680-01-221-2863	1	\$2917.08	\$2917.08

Total Cost per Aircraft \$2917.08

d. TB/MWOs to be applied prior to or concurrently with this Inspection. N/A.

e. Publications which require change as a result of this inspection. TM 1-1520-237-23-6 shall be changed to reflect this message. A copy of this message shall be inserted in the appropriate TM as authority to implement the change until the printed change is received.

13. References.

- a. DA PAM 738-751.
- b. TM 1-1520-237-23.
- c. TM 1-1520-250-23.
- d. TM 1-1520-237-23P
- e. TM 1-1520-250-23P.
- f. TM 1-1520-269-23.
- g. TM 1-1500-328-23.
- h. TB 1-1520-237-20-189.
- i. TB 1-1520-250-20-14.

14. Recording and Reporting Requirements.

a. Reporting Compliance Suspense Date (Aircraft). Upon entering requirements of this TB on DA Form 2408-13-1 on all subject MDS 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, IAW AR 95-1. Datafax number is DSN 897-2111 or commercial (256) 313-2111. E-Mail address is "SAFEADM@REDSTONE.ARMY.MIL". The report will cite message and TB number, date of entry in DA Form 2408-13-1, the aircraft mission design series and serial numbers of aircraft in numerical order.

b. Task/Inspection Reporting Suspense Date (Aircraft). Upon completion of inspection, Commanders will forward a priority message to the logistics POC listed in para 16b. The report will cite the message or TB number, date of inspection, aircraft serial number, aircraft hours, and results of the inspection. Inspection report will be completed NLT 23 Jan 01.

c. Reporting Message Receipt (Spares).

(1) Material in wholesale depot storage – Depot and Material Activity Commanders will report receipt of the message by e-mail or datafax to the wholesale material (Spares) point of contact listed in paragraph 16c NLT 8 Jan 01. Provide local point of contact.

(2) Material in retail storage – Commanders and Facility Managers will report receipt of this message by e-mail or datafax to the logistical point of contact listed in paragraph 16b NLT 8 Jan 01. Provide local point of contact.

d. Task/Inspection Reporting Suspense Date (Spares).

(1) Material in wholesale depot storage – Depot and Material Activity Commanders will report compliance with this message to the wholesale material point of contact (Spares) listed in paragraph 16c NLT 8 Jan 01 on DD Form 1225. Provide the cost of compliance with this message to include an estimate of the cost reimbursable funding required to move serviceable items on hand listed in paragraph 6 to a work area, unpack the material, repack the material after inspection by AMCOM inspectors, and to return the material

to storage, as appropriate. Report, by original serviceable condition code, the quantity of material placed in condition code //J//. Report by e-mail or datafax and provide local point of contact.

(2) Material in retail storage – Commanders and Facility Managers will report compliance with this message to the logistical point of contact in paragraph 16b NLT 12 Jan 01. Report the quantity inspected by condition code and the resulting condition code. Report by e-mail or datafax and provide local point of contact.

e. The following forms are applicable and are to be completed in accordance with DA Pam 738-751, 15 Mar 99.

NOTE

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

(1) DA Form 2408-5-1, Equipment Modification Record (Lateral Servo Bellcrank)

(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 lateral servo bellcrank is removed/replaced.)

(7) DD Form 1575/1575-1, Suspended Tag/Label (Color Brown). Annotate remarks block with "Suspend IAW TB 1-1520-237-20-229."

(8) DD Form 1577/1577-1, Unserviceable (Condemned) Tag/Label – Material (Color Red). Annotate remarks block with "Condemned IAW TB 1-1520-237-20-229 and mutilated per TM 1-1500-328-23."

15. Weight and Balance. N/A.

16. Points of Contact.

a. Technical point of contact for this TB is Mr. Darrell Hutson, AMSAM-RD-AE-I-D-U, DSN 897-2413 or (256) 313-2413. Alternate phone number is DSN 897-5198 or (256) 313-5198. Datafax is DSN 897-3844 or (256) 313-3844. E-mail is "darrell.hutson@redstone.army.mil".

b. Logistical point of contact is Mr. Joe Hoover, AMSAM-DSA-UH-L, DSN 645-7898 or (256) 955-7898, datafax is DSN 897-3778 or (256) 313-3778. E-mail is "joe.hoover@uh.redstone.army.mil"

c. Wholesale materiel point of contact (Spares) is Mr. Dan Delao, AMSAM-MMC-VS-UB, DSN 897-1303 or (256) 313-1303, datafax is DSN 897-4769. E-mail is "daniel.delao@redstone.army.mil".

d. Forms and records point of contact for this TB is Ms. Ann Waldeck, AMSAM-MMC-RE-FF, DSN 746-5564 or (256) 876-5564, Datafax is DSN 746-4904. E-mail is "ann.waldeck@redstone.army.mil".

e. Safety points of contact are

(1) Primary – Mr. Randall Rushing, (SAIC), AMSAM-SF-A, DSN 788-2092 or commercial (256) 313-2092, Datafax is (256) 313-2111. E-mail is "randall.rushing@redstone.army.mil".

(2) Alternate – Mr. Ron Price, AMSAM-SF-A, DSN 788-8636 or (256) 842-8636, datafax is (256) 313-2111. E-mail is "ron.price@redstone.army.mil".

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

(1) CW5 Joseph L. Wittstrom, Security Assistance Management, AMSAM-SA, DSN 897-0410 or (256) 313-0410. E-mail is "wittstrom-jl@redstone.army.mil".

(2) Mr. Ronnie W. Sammons, AMSAM-SA-CS-NF, DSN 897-0408 or (256) 313-0408. Datafax is DSN 897-0411 or (256) 313-0411. E-mail "sammonssrw@redstone.army.mil".


g. After hours contact AMCOM Command Operations Center (COC) DSN 897-2066/7 or (256) 313-2066/7. Huntsville, AL is GMT minus 6 hrs.

17. Reporting of Errors and Recommended Improvements. You can improve this TB. If you find any mistakes or if you know of a way to improve these procedures, please let us know. Mail your letter or DA form 2028 (Recommended Changes to Publications and Blank Forms) directly to: Commander, US Army Aviation and Missile Command, ATTN: AMSAM-MMC-MA-NP, Redstone Arsenal, AL 35898-5000. You may also submit your recommended changes by E-mail directly to ls-lp@redstone.army.mil. A reply will be furnished directly to you.

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
0107112

DISTRIBUTION:

To be distributed in accordance with Initial Distribution Number (IDN) 313973, requirements for TB 1-1520-237-20-229.

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@avma27.army.mil>

To: ls-lp@redstone.army.mil

Subject: DA Form 2028

1. **From:** Joe Smith
2. **Unit:** home
3. **Address:** 4300 Park
4. **City:** Hometown
5. **St:** 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 FName:** Joe
14. **Submitter MName:** T
15. **Submitter LName:** 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.