

URGENT

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

**ALL H-60 AIRCRAFT WITH THE
LATERAL BELLCRANK ASSEMBLY
P/N 70400-08150-045
MANUFACTURED BY PURDY MACHINE COMPANY
(CAGE CODE 15152)**

**Headquarters, Department of the Army, Washington, D. C.
10 January 1997**

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

NOTE

THIS PUBLICATION IS EFFECTIVE UNLESS SOONER RESCINDED OR SUPERSEDED.

1. Priority Classification. Urgent

a. Aircraft in Use. Upon receipt of this Technical Bulletin (TB) the condition status symbol of the cited aircraft will be changed to a **red horizontal dash "-"**. The **red horizontal dash "-"** may be cleared when the inspection of paragraph 8 below is completed. The affected aircraft shall be inspected as soon as practical but no later than the task/inspection suspense date. Failure to comply with the requirements of this TB within the time frame will cause the status symbol to be upgraded to a red "X".

b. Aircraft in Depot Maintenance. Same as paragraph 1a

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

d. Aircraft in Transit.

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

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

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

f. Component/Parts in Stock Including War Reserves at All Levels (Depot and Others). Red Tag.

(1) Retail Stock. Upon receipt of this TB all items listed in paragraph 7 below shall be placed in condition code "J" and retagged with a DD Form 1575 or 1575-1 (brown color) for in stock items in suspended status awaiting inspection (mark suspended in accordance with this TB). The authority block must reference inspection required per this TB (TB 1-1520-237-20-189) (TB 1-1520-250-20-14). Items identified as serviceable in accordance with paragraph 9 shall be

*This TB supersedes USAATCOM Message 071647Z January 1997 (UH-60-97-ASAM-06).

retagged with a serviceable tag/label, Material DD Form 1574/1574-1 (yellow color). Indicate compliance with this (TB 1-1520-237-20-189) (TB 1-1 520-250-20-14) in the remarks column. Items identified as having a reduced service life in accordance with paragraph 9 below will be retagged as serviceable but the additional remark will state that the total life of the component is reduced to 360 hours. An entry will also be made in the remarks block of the DA Form 2410 that the total life of the component is reduced to 360 hours.

(2) Wholesale Stock Same as paragraph 1f(1).

2. **Task/inspection Suspense Date.** Within 10 hours/14 days.

3. **Reporting Compliance Suspense Date.** No later than 29 January 1997 per paragraph 14a of this TB.

4. **Summary of the Problem.**

a. The lateral bellcrank assembly, P/N 70400-08150-045, manufactured by Purdy Machine Company (Cage Code 15152) has recently completed the required engineering testing. The results indicate that the endurance strength is significantly below that of the original equipment manufactured component and is reduced to a retirement life of 360 hours since new.

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

c. The purpose of this TB is to remove all 70400-08150-045, (Cage 15152) assemblies which have 360 hours since new, in accordance with paragraph 9.

5. **End Items to be inspected.** All H-60 aircraft lateral bellcrank assemblies P/N 70400-08150-045.

6. **Assembly Components to be Inspected.**

NOMENCLATURE	PART NUMBER	NATIONAL STOCK NUMBER
Bellcrank Assemblies	70400-08150-045	1615-01-158-9658

7. **Parts to be Inspected.** Lateral bellcrank assembly, PIN 70400-08150-045, manufactured by Purdy Machine Company, Cage (15152), with 360 hours or more since new.

8. **Inspection Procedures.** Check aircraft records and visually inspect the lateral bellcrank assembly, P/N 70400-08150-045, for manufacturers CAGE Code number 15152. If the CAGE Code 151 52 and serial number in paragraph 9 are not on the lateral bellcrank, the inspection is complete (report per paragraph 14.b). If specific bellcrank is identified review aircraft time change records (DA Form 2408-16) to determine the time since new on the bellcrank

9. **Correction Procedures.** Remove all lateral bellcranks, P/N 70400-08150-045, manufactured by Purdy Machine Company, CAGEC 15152. S/N 32954-1 through 160, and 0063-695 through 0063-912, with 360 hours or more time since new within 30 days of the date of this TB. Change block 6J of the aircraft time change DA Form 2408-16 to indicate a retirement life of 360 hours for all Purdy lateral bellcrank assemblies S/N 32954-1 through 160 and 00634 through 00912.

10. **Supply/Parts and Disposition.**

a. Parts Required. Items cited in paragraphs 6 and 7.

b. Requisition Procedures. Requisition parts through normal supply channels using normal supply procedures. All requisitions shall use project code "XC2" per this TB.

NOTE

Project code "XC2" is required to track and establish a data base of stock fund expenditures incurred by the field as a result of ASAM/SOF actions.

c. Bulk and Consumable Materials. N/A.

- d. Disposition. Mutilate in accordance with TM 1-1500-328-23.
- e. Disposition of Hazardous Material. N/A.

11. Special Tools, Jigs and Fixtures Required. N/A.

12. Application.

- a. Category of Maintenance. AVUM.
- b. Estimated Time Required for Records Inspection/Verification. Total of 1.25 man-hours using one person.
- c. Estimated Time Required to replace item..
 - (1) Total of 6 man-hours using 2 persons.
 - (2) Total of 3 hours downtime for one end item.
- d. Estimated Cost Impact of Stock Fund Items to the Field.

NOMENCLATURE	PART NUMBER/ NATIONAL STOCK NUMBER	QUANTITY	COST EACH	TOTAL \$
Bellcrank, Lateral	70400-08158-9658 1615-01-158-9658	1	\$1853.00	\$1853.00
Maximum total cost per aircraft - \$1853.00				

- e. TB/MWOs to be Applied Prior to or Concurrently with this Inspection. N/A.
- f. Publications Which Require Change as a Result of This Inspection. TM 1-1520-237-23 and TM 1-1520-250-23.

13. References.

- a. TM 1-1520-237-23.
- b. TM 1-1520-250-23.

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 Mission Design Series (MDS) aircraft, forward a priority message, Datafax or E-Mail to Commander, ATCOM, ATTN: AMSAT-R-X (SOF Compliance Officer), per AR 95-3. Datafax number is DSN 693-2064 or commercial (314) 263-2064. E-Mail address is "amstarxs@emh4.stl.army.mil." The report will cite this TB number, date of entry in DA Form 2408-13-1, the aircraft MDS and serial numbers of aircraft in numerical order.

b. Task/Inspection Reporting Suspense Date (Aircraft). Immediately upon completion of this inspection, forward a priority message to the logistical POC listed in paragraph 16b. The report will include all aircraft serial numbers, the aircraft total time to date, the results of this inspection, the serial number of the installed lateral bellcrank and the time since new.

- c. Reporting Compliance Suspense Date (Spares). N/A.
- d. Task/Inspection Reporting Suspense Date (Spares). N/A.
- e. The following forms are applicable and are to be completed in accordance with DA PAM 738-751, 15 June 1992:
 - (1) DA Form 2408-13, Aircraft Status Information Record.
 - (2) DA Form 2408-13-1, Aircraft Maintenance and Inspection Record.
 - (3) DA Form 2408-15, Historical Record for Aircraft.

(4) DA Form 2408-16, Aircraft Component Historical Record (Aircraft Time Change).

(5) DA Form 2408-5-1, Equipment Modification Record.

(6) DA Form 2410, Component Removal and Repair/Overhaul Record. (If lateral bellcrank assembly is replaced).

15. Weight and Balance. N/A.

16. Points of Contact.

a. Technical point of contact for this TB is Mr. Bob Rosansky, AMSAT-R-ECU, DSN 693-0434 or commercial (314)263-0434.

b. Logistical point of contact for this TB is Mr. Joe Hoover, SFAE-AV-BH-L, DSN 693-0484 or commercial (314)263-0484. E-Mail is hooverj@peo2.stl.army.mil.

c. Forms and records point of contact for this TB is Ms. Ann Waldeck, AMSAT-I-MDM, DSN 490-2318 or commercial (314)260-2318.

d. Point of contact for this TB is Mr. Jim Willkins. AMSAT-R-X, DSN 693-2258 or commercial (314)263-2258.

e. Foreign Military Sales (FMS) recipients requiring clarification of action advised by this TB should contact Cw5 Jay Nance or Mr. Ron Van Rees, AMSAT-D-S, DSN 693-7844/3216 or commercial (314)263-7844/3216.

f. After hours contact ATCOM Command Operations Center (COC) DSN 693-2066/7 or commercial (314)263-2066/7.

By Order of the Secretary of the Army:

Official: 

JOEL B. HUDSON
*Administrative Assistant to the
Secretary of the Army*
03013

DENNIS J. REIMER
*General, United States Army
Chief of Staff*

DISTRIBUTION:

To be distributed, in accordance with DA Form 12-31-E, block no. 3641, requirements for TB 1-1520-237-20-189.

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: <mpmt%avma28@st-louis-emh7.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:** 7777
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.

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RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS

 <p>THEN...JOT DOWN THE DOPE ABOUT IT ON THIS FORM. CAREFULLY TEAR IT OUT, FOLD IT AND DROP IT IN THE MAIL.</p>				SOMETHING WRONG WITH PUBLICATION	
				FROM: (PRINT YOUR UNIT'S COMPLETE ADDRESS)	
				DATE SENT	
PUBLICATION NUMBER			PUBLICATION DATE		PUBLICATION TITLE
BE EXACT PIN-POINT WHERE IT IS				IN THIS SPACE, TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT.	
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DA FORM 1 JUL 79 2028-2

PREVIOUS EDITIONS ARE OBSOLETE.

P.S.--IF YOUR OUTFIT WANTS TO KNOW ABOUT YOUR RECOMMENDATION MAKE A CARBON COPY OF THIS AND GIVE IT TO YOUR HEADQUARTERS.

The Metric System and Equivalents

Linear Measure

1 centimeter = 10 millimeters = .39 inch
 1 decimeter = 10 centimeters = 3.94 inches
 1 meter = 10 decimeters = 39.37 inches
 1 dekameter = 10 meters = 32.8 feet
 1 hectometer = 10 dekameters = 328.08 feet
 1 kilometer = 10 hectometers = 3,280.8 feet

Weights

1 centigram = 10 milligrams = .15 grain
 1 decigram = 10 centigrams = 1.54 grains
 1 gram = 10 decigrams = .035 ounce
 1 decagram = 10 grams = .35 ounce
 1 hectogram = 10 decagrams = 3.52 ounces
 1 kilogram = 10 hectograms = 2.2 pounds
 1 quintal = 100 kilograms = 220.46 pounds
 1 metric ton = 10 quintals = 1.1 short tons

Liquid Measure

1 centiliter = 10 milliliters = .34 fl. ounce
 1 deciliter = 10 centiliters = 3.38 fl. ounces
 1 liter = 10 deciliters = 33.81 fl. ounces
 1 dekaliter = 10 liters = 2.64 gallons
 1 hectoliter = 10 dekaliters = 26.42 gallons
 1 kiloliter = 10 hectoliters = 264.18 gallons

Square Measure

1 sq. centimeter = 100 sq. millimeters = .155 sq. inch
 1 sq. decimeter = 100 sq. centimeters = 15.5 sq. inches
 1 sq. meter (centare) = 100 sq. decimeters = 10.76 sq. feet
 1 sq. dekameter (are) = 100 sq. meters = 1,076.4 sq. feet
 1 sq. hectometer (hectare) = 100 sq. dekameters = 2.47 acres
 1 sq. kilometer = 100 sq. hectometers = .386 sq. mile

Cubic Measure

1 cu. centimeter = 1000 cu. millimeters = .06 cu. inch
 1 cu. decimeter = 1000 cu. centimeters = 61.02 cu. inches
 1 cu. meter = 1000 cu. decimeters = 35.31 cu. feet

Approximate Conversion Factors

<i>To change</i>	<i>To</i>	<i>Multiply by</i>	<i>To change</i>	<i>To</i>	<i>Multiply by</i>
inches	centimeters	2.540	ounce-inches	Newton-meters	.007062
feet	meters	.305	centimeters	inches	.394
yards	meters	.914	meters	feet	3.280
miles	kilometers	1.609	meters	yards	1.094
square inches	square centimeters	6.451	kilometers	miles	.621
square feet	square meters	.093	square centimeters	square inches	.155
square yards	square meters	.836	square meters	square feet	10.764
square miles	square kilometers	2.590	square meters	square yards	1.196
acres	square hectometers	.405	square kilometers	square miles	.386
cubic feet	cubic meters	.028	square hectometers	acres	2.471
cubic yards	cubic meters	.765	cubic meters	cubic feet	35.315
fluid ounces	milliliters	29.573	cubic meters	cubic yards	1.308
pints	liters	.473	milliliters	fluid ounces	.034
quarts	liters	.946	liters	pints	2.113
gallons	liters	3.785	liters	quarts	1.057
ounces	grams	28.349	liters	gallons	.264
pounds	kilograms	.454	grams	ounces	.035
short tons	metric tons	.907	kilograms	pounds	2.205
pound-feet	Newton-meters	1.356	metric tons	short tons	1.102
pound-inches	Newton-meters	.11296			

Temperature (Exact)

°F	Fahrenheit temperature	5/9 (after subtracting 32)	Celsius temperature	°C
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