

URGENT

*TB 1-1520-244-20-48

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

INSPECTION OF ANTI-DRIVE BELLCRANK, PART NUMBER 540-001-904-5 ON AH-1 SERIES AIRCRAFT

Headquarters, Department of the Army, Washington, D. C.
11 February 2000

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

NOTE

THIS PUBLICATION IS EFFECTIVE UNTIL RESCINDED OR
SUPERSEDED.

1. **Priority Classification.** URGENT.

NOTE

See AR 95-1, paragraph 6-6.a., for exception authority of major
commanders.

a. Aircraft in Use. Upon receipt of this TB, the condition status symbol of the cited aircraft will be changed to a **Red Horizontal Dash //--//**. The **Red Horizontal Dash //--//** entry shall state "Inspect AH-1 anti-drive bellcrank IAW AH-1-ASAM-00-04 (TB 1-1520-244-20-48) NLT 1 May 2000." The **Red Horizontal Dash //--//** may be cleared when the inspection of paragraph 8 is completed. The affected aircraft shall be inspected as soon as practical, but no later than 1 May 2000. 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. Aircraft will not be issued until the inspection in paragraph 8 has been completed and any required corrective action has been initiated.

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

d. Aircraft in Transit.

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

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

e. Maintenance Trainers (Category A and B). Not applicable.

*This TB supersedes USAAMCOM Aviation Safety Action Message (ASAM) 312350Z Jan 00, AH-1-00-ASAM-04.

f. **Component/Parts in Stock at All Levels (Depot and Others) Including War Reserves.** Upon receipt of this message/TB the material condition tags of all items in all condition codes listed in paragraph 6 shall be annotated to read "AH-1-00-ASAM-04, (TB 1-1520-244-20-48), AH-1 Series Aircraft, Anti-drive Bellcrank Part Number 540-001-904-5 Not Complied With".

(1) **Wholesale Stock.** Upon receipt of this message/TB, 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 1575-1. Do not remove original condition tags. Report compliance with this message/TB IAW paragraph 14.d.(1).

(2) **Retail Stock.** Upon receipt of this message/TB, commanders and others maintaining retail stock at installation level and below shall contact the supported aviation unit to perform the inspection required by paragraph 8 and the correction procedures of paragraph 9. Disposition of discrepant material will be IAW paragraph 10. Report compliance with this message/TB IAW paragraph 14.d.(2).

g. **Components/Parts in Work. (Depot Level and Others)** N/A.

2. **Task/Inspection Suspense Date.** Inspect parts on aircraft NLT 1 May 2000 and requisition replacement parts if required. Unidentifiable/untested parts must be replaced NLT 31 Dec 2001.

3. **Reporting Compliance Suspense Date.** No later than 18 February 2000 in accordance with paragraph 14.a. of this TB.

4. **Summary of the Problem.**

a. **Background.** Reviews of past procurements of subject part have led to the conclusion that the fatigue life of some parts has not been validated. Non-permanent marking methods for these parts preclude identifying the source of manufacture of most parts after installation on aircraft. Parts where the source of manufacture cannot be determined as having passed fatigue test requirements will have to be scrapped.

b. **For Manpower/Downtime and Funding Impacts.** See paragraph 12.

c. **Purpose of this TB:** Is identify, if possible, the source of manufacture of anti-drive bellcranks and to remove ones where fatigue test results or manufacture cannot be verified, prior to 31 December 2001.

5. **End Items to be inspected.** All AH-1 series aircraft.

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

NOMENCLATURE	PART NUMBER	NATIONAL STOCK NUMBER
Bellcrank, Anti-drive	540-001-904-5	3040-00-918-9938

7. **Parts to be Inspected.** N/A.

8. **Inspection Procedures.**

a. **Parts Installed on Aircraft and Parts in Stock.** Inspect the bellcrank visually and determine if the vendor marking can be read. The vendor data should be ink stamped on the flat cross member, under the raised letter part number. Parts that can be identified as coming from Bell helicopter, F&H Manufacturing, or International Precision are acceptable. Parts identified as coming from another source or where the source cannot be identified are not acceptable for long term use. Review parts identification below, proceed to paragraph 9 for corrective action.

b. Parts Identification.

(1) The only permanent marking on this assembly is the part number. The manufacturer identification was marked by ink stamp. If the part was painted, this will have been obliterated. The ink generally wears off over time once the part has been installed on aircraft. In most cases, marking of parts that have been installed for any length of time will not be legible.

(2) Parts manufactured by Bell Helicopter (CAGE 97499), F&H Manufacturing (CAGE 06076), and International Precision (CAGE 3H683), have had their fatigue lives validated and are acceptable for continued, long term use. Parts from other manufacturers are not acceptable for continued long term use.

9. Correction Procedures.

a. Parts Installed on Aircraft.

(1) Parts where the source can be confirmed as one of the three acceptable sources. Note the name and CAGE of the vendor in the aircraft DA Form 2408-15. Using a vibrating stylus, mark the CAGE code of the manufacturer on the part, under the raised letter part number. Mark as follows "CAGE XXXXX" where the XXXXX will be replaced by the CAGE number of the manufacturer of the part. The corrective action is complete and the **Red Horizontal Dash //--//** is to be cleared. Compliance with this message, (AH-1-00-ASAM-04) and TB 1-1520-244-20-48 will be noted.

(2) Parts where the source cannot be confirmed as one of the three acceptable sources. Change the condition code of the aircraft to a **Red Diagonal Slash "/"**. Note that the Anti-drive Bellcrank must be replaced with a serviceable one from stock by 31 December 2001. The part must continue to be inspected at each 150 hour phase inspection. Requisition a new part from stock immediately. New parts will be purchased based on requisitions. There are few serviceable parts in stock at this time. When the unacceptable part has been replaced with a serviceable one from stock, the **Red Diagonal Slash "/"** will be cleared. Compliance with message AH-1-00-ASAM-04 and TB 1-1520-244-20-48 will be noted. If the unacceptable Anti-drive Bellcrank has not been replaced by 31 December 2001, the condition status of the aircraft will be changed to a **Red //X//**. The **Red //X//** may be cleared when the unacceptable part has been replaced with a serviceable one from stock. Compliance with message AH-1-00-ASAM-04 and TB 1-1520-244-20-48 will be noted. Removal and replacement of parts will be per TM 55-1520-236-23.

b. Parts In Stock At All Levels:

(1) Parts where the source can be confirmed as one of the three acceptable sources. Using a vibrating stylus, mark the CAGE code of the manufacturer on the part, under the raised letter part number. Mark as follows "CAGE XXXXX" where the XXXXX will be replaced by the CAGE number of the manufacturer of the part. The corrective action is complete. Compliance with message AH-1-00-ASAM-04 and TB1-1520-244-20-48 will be noted. The part will be retagged as serviceable.

(2) Parts where the source cannot be confirmed as one of the three acceptable sources. The part is unserviceable (condemned), tag with DD Form 1577 (Red). Disposition of unserviceable bellcranks as specified in 10.d. Compliance with message, AH-1-00-ASAM-04 and TB 1-1520-244-20-48 will be noted.

10. Supply/Parts and Disposition.

a. Parts Required. Items cited in paragraph 6 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) "XGC" .

NOTE

Project code "XGC" 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. **Disposition.** Demilitarize/mutilate any part/component which does not meet inspection criteria IAW 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. Aircraft downtime will be charged to AVUM maintenance.

b. **Estimated Time Required.**

(1) For Inspection.

(a) Total of 1 man-hour using 1 persons.

(b) Total of 1 hour downtime for one end item.

(2) For Replacement.

(a) Total of 1 man-hour using 1 persons.

(b) Total of 1 hour downtime for one end item.

c. **Estimated Cost Impact to the Field.**

NOMENCLATURE	P/N	NSN	QTY.	COST EA.
Bellcrank, Anti-drive	540-001-904-5	3040-00-918-9938	1	\$147.00

Total cost per aircraft = \$147.00.

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.** N/A

13. **References.**

a. TM 55-1520-236-23.

b. TM 1-1500-328-23.

14. **Recording and Reporting Requirements.**

a. **Reporting Compliance Suspense Date (Aircraft).** Upon entering requirements of this message/TB on DA Form 2408-13-1 for all subject mission design series (MDS) aircraft, forward a priority message, datafax or E-mail to CDR, AMCOM, ATTN: AMSAM-SF-A (SOF Compliance Officer), Redstone Arsenal, AL 35898-5000 in accordance with (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 this message/TB number, date of entry on DA Form 2408-13-1, aircraft MDS, and serial numbers of aircraft in numerical order.

b. **Task/Inspection Reporting Suspense Date (Aircraft).** N/A.

c. **Reporting Message/TB Receipt (Spares).** N/A.

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

(1) **Materiel in Wholesale Depot Storage.** Report compliance with this message/TB to the Wholesale Materiel Point of Contact (spares) listed in paragraph 16.c. within seven (7) days of the date of

this message/TB on DD Form 1225. Provide the cost of compliance with this message/TB 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 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 placed in Condition Code **//J//**. Report by e-mail or datafax and provide local point of contact.

(2) Materiel in Retail Storage. Report compliance with this message/TB to the logistical point of contact in paragraph 16.b. within 14 days of the date of this message/TB. 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 Pamphlet 738-751, dated 15 March 1999:

NOTE

Unit Level Logistics System-Aviation (ULLS-A) users will use applicable electronic "-E" forms.

(1) DA Form 2408-13, Aircraft Status Information Record.

(2) DA Form 2408-13-1, Aircraft Inspection and Maintenance Record.

(3) DA Form 2408-14-1, Uncorrected Fault Record.

(4) DA Form 2408-15, Historical Record for Aircraft.

(5) DD Form 1574/DD Form 1574-1, Serviceable Tag/Label - Materiel (Color Yellow). Annotate Remarks Block with "Inspected Serviceable IAW AH-1-00-ASAM-04 (TB 1-1520-244-20-48)".

(6) DD Form 1575/DD Form 1575-1, Suspended Tag/Label - Materiel (Color Brown). Annotate Remarks Block with "Suspended IAW AH-1-00-ASAM-04 (TB 1-1520-244-20-48)".

(7) DD Form 1577/DD Form 1577-1, Unserviceable (Condemned) Tag/Label - Materiel (Color Red). Annotate remarks block with "Condemned IAW AH-1-00-ASAM-04 (TB 1-1520-244-20-48) and Mutilated IAW TM 1-1500-328-23".

15. Weight and Balance. N/A.

16. Points of Contact

a. Technical points of contact for this message/TB are:

(1) Primary - Mr. Gerald Johnson, AMSAM-RD-AE-I-D-O, DSN 645-9545 or Commercial (256) 955-9545, Datafax is DSN 645-9536. E-mail is <gerald.johnson@redstone.army.mil>.

(2) Alternate - Ms. Denise Bouchard, AMSAM-RD-AE-I-D-O, DSN 645-9736 or Commercial (256) 955-9736. Datafax is DSN 645-9536. E-mail is <denise.bouchard@redstone.army.mil>.

b. Logistical point of contact for this message/TB is Mr. Leonard Monk, AMSAM-DAS-AS-ASH-L, DSN 645-7605 or Commercial (256) 955-7605. Datafax is DSN 645-9536. E-mail is <leonard.monk@redstone.army.mil>.

c. Wholesale Materiel point of contact (Spares) is Ms Evette Brooks, AMSAM-MMC-VS-UN, DSN 897-1553 or Commercial (256) 313-3319. Datafax is DSN 764-3319. E-mail is <brooks-ce@exchange1.redstone.army.mil>.

d. Forms and Records point of contact for this message/TB is: Ms. Ann Waldeck, AMSAM-MMC-RE-FF, DSN 746-5564 or Commercial (256) 876-5564. Datafax is DSN 746-4904. E-mail is <waldeck-ab@redstone.army.mil>.

e. Safety point of contact for this message is: Mr. Howard Chilton, AMSAM-SF-A, DSN 897-2068 or Commercial (256) 313-2068. Datafax is DSN 897-2111 or Commercial (256) 313-2111. E-mail is <howard.chilton@redstone.army.mil>.

f. Foreign Military Sales recipients requiring clarification of action advised by this message/TB should contact: CW5 Joseph L. Wittstrom, Security Assistance Management, AMSAM-SA, DSN 897-0410 or Commercial (256) 313-0410. E-mail is <wittstromjl@redstone.army.mil> or Mr. Ronnie W. Sammons, AMSAM-SA-CS-NF, DSN 897-0408 or Commercial (256) 313-0408. Datafax is DSN 897-0411 or Commercial (256) 313-0411. E-mail is <sammonsrw@redstone.army.mil>. Huntsville, AL, is GMT minus 6 hours.

g. After hours contact the AMCOM Command Operations Center (COC) DSN 897-2066/2067 or Commercial (256) 313-2066/2067.

17. Reporting of Errors and Recommending 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-LS-LP, Redstone Arsenal, Alabama 35898-5230. A reply will be furnished to you. You may also send in your comments electronically to our E-mail address at <ls-lp@redstone.army.mil>, or by datafax at DSN 788-6546 or commercial (256) 842-6546. Instructions for sending a DA Form 2028 by E-mail may be found at the back of most Technical Manuals.

TB 1-1520-244-20-48

By Order of the Secretary of the Army:

Official:



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Secretary of the Army*

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DISTRIBUTION:

To be distributed in accordance with IDN 313887, requirements for TB 1-1520-244-20-48.

