

ROUTINE

TB 1-1520-237-20-217

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

INSPECTION AND REMOVAL OF SUSPECT PRIMARY SERVO ASSEMBLIES ALL H-60 AIRCRAFT

Headquarters, Department of the Army, Washington, D. C.
3 March 2000

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NOTE

THIS PUBLICATION IS EFFECTIVE UNTIL RESCINDED OR SUPERSEDED.

1. Priority Classification. Routine.

- 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. Aircraft will not be issued until compliance with this TB has been completed.
- c. Aircraft Undergoing Maintenance. Aircraft will not be issued until compliance with this TB has been completed.
- d. Aircraft in Transit.
 - (1) Surface/Air Shipment. Prior to first flight.
 - (2) Ferry Status. Within 10 hours/14 day of arrival at destination.
- e. Maintenance Trainers (Category A, and B). Same as paragraph 1.a.
- f. Component/Parts in Stock at All Levels (Depot and Others) Including War Reserves . Upon receipt of this TB, the material condition tags of all items in all condition codes listed in paragraph 6 shall be annotated to read "UH-60-00-ASAM-03 Primary Servo not complied with".
 - (1) Wholesale Stock. Upon receipt of this TB all items (all condition codes) listed in paragraph 6, located in wholesale depot storage shall be 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.d.(1). Upon completion of the required inspection of paragraph 8, remove the suspended tag/label-material, DD Form 1575/DD Form 1575-1 and annotate original condition tag to read "UH-60-00-ASAM-03 Primary Servo complied with." Report results of inspection to the whole point of contact listed in paragraph 16c.
 - (2) Retail Stock. Upon receipt of this TB Commanders and others maintaining retail stock at installation level and below shall contact the supported Aviation Unit to perform the inspection required by

*This TB supersedes USAAMCOM Aviation Safety Action Message 291942Z DEC 99, UH-60-00-ASAM-03

paragraph 8 and the correction procedures of paragraph 9 on discrepant materiel. Report compliance with this TB IAW paragraph 14.d.(2).

g. Component/Parts In Work (Depot Levels and Others). Items listed in paragraph 6 in work will not be issued until compliant with this TB.

2. **Task/Inspection Suspense Date.** Within next 10 flight hours/14 days.
3. **Reporting Compliance Suspense Date.** No later than 14 January 00 IAW paragraph 14.a of this TB.
4. **Summary of the Problem.**

a. During a CAT 1 EIR analysis, a Primary Servo piston was found to be fractured. The fracture was caused by a vendor using an electric ARC pencil to mark the serial number on the piston during overhaul. At that time a total of 22 blackhawk servo assemblies were suspect and UH-60-94-ASAM-09 was published to located the suspect servos. To date, nine (9) suspect servos assemblies have not been turned in for inspection and repair as required by the ASAM.

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

c. The purpose of this TB is to located and remove specific serial number servo assemblies for inspection and repair.

5. **End Items to be inspected.** All H-60 aircraft.
6. **Assembly Components to be Inspected.**

NOMENCLATURE	PART NUMBER	NATIONAL STOCK NUMBER
Primary Servo Assembly	70410-02820-054	1650-01-143-1226

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

8. **Inspection Procedures.** Visually inspect each Primary Servo Assembly for serial number. If the servo assembly is not one of the following serial numbers the inspection is complete. If one of the following serial numbers is found, check for "B" suffix added to the end of the serial number. "B" suffix indicates that the servo has already been reworked, and is not suspect. Do not confuse "B" prefix, which is common, with "B" suffix. "B" prefix appears at beginning of serial number and indicates manufacturer. "B" suffix, if present, appears at the end of the serial number, and indicated rework has been performed by Parker-Bertea. If the servo assembly is one of the specified serial numbers and does not have a "B" suffix, proceed to paragraph 9 for correction. If the servo assembly is one of the specified serial numbers and has the "B" suffix, inform the Logistical point of contact of the inspection results via email or fax within 48 hours of the inspection and the inspection is complete.

SERIAL NUMBER	SERIAL NUMBER
B303-00045	B303-02527
B303-02745	B303-00089
B303-03066	B303-00640
B303-03384	B303-00756
B303-05915A	

9. **Correction Procedures.** Remove the affected Servo Assembly from service within 30 days or 50 flight hours, which ever comes first, and replace with a serviceable assembly. Aircraft shall be carried on a horizontal red dash // - // until the identified Servo Assembly is replaced.

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

- a. Parts Required. Items cited in paragraph 6 may be required to replace defective items.
- b. Requisitioning Instructions. Contact Logistical point of contact in paragraph 16b prior to requisitioning replacement parts.
- c. Bulk and Consumable Materials. N/A.
- d. Disposition. Hold any discrepant part/component pending disposition instructions from Logistical point of contact in paragraph 16b.
- e. Disposition of Hazardous Material. IAW Environmental Protective Agency Directives as implemented by your servicing environmental coordination (AR 200-1).

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

12. Application.

- a. Category of Maintenance. AVUM. Aircraft downtime will be charged to AVUM.
- b. Estimated Time Required.
 - (1) Total of 1 man-hours using 1 person.
 - (2) Total of 2 hours downtime for one end item inspection. Estimated time of 4 hours downtime for replacement.
- c. Estimated Cost Impact to the Field.

NOMENCLATURE	PART NUMBER	NATIONAL STOCK NUMBER	COST EACH
Primary Servo Assembly	70410-02820-054	1650-01-143-1226	\$32,293.00
Total cost per aircraft = \$32,293.00			

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

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 MDS aircraft, 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 this 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, units will forward a priority message to the Logistical POC listed in paragraph 16b. The report will cite this TB number, date of inspection, aircraft and component serial number, aircraft and component hours, and results of the inspection. Inspection reports will be completed no later than 15 days after task/inspection suspense date.
- c. Reporting Message Receipt (Spares). N/A.
- d. Task/Inspection Reporting Suspense Date (Spares).
 - (1) Materiel In Wholesale Depot Storage. Report compliance with this TB to the wholesale materiel POC (SPARES) listed in paragraphs 16c within 7 days of the date of this TB on DD Form 1225. Provide the cost of compliance with this TB to include an estimate of the cost reimbursable funding required to move

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 condition code and serial number, as appropriate. Report by original condition code and serial number of the materiel placed in condition code //J//. Report by e-mail or datafax and provide local point contact.

(2) Materiel In Retail Storage. Report compliance with this TB to the Logistical POC in paragraph 16b within 14 days of the date of this TB. Report the quantity inspected by condition code, serial number 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 the applicable "E" Forms.

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

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

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

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

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

(6) DA Form 2408-16, Aircraft Component Historical Record.

(7) DA Form 2408-18, Equipment Inspection List. ULLS-A Users will use 800 inspection numbers for the inspection.

(8) DA Form 2410, Component Removal and Repair Overhaul Record (Only if the Primary Servo Assembly is removed/replaced).

(9) DD Form 1574/DD Form 1574-1, Serviceable Tag/Label – Materiel (Color Yellow). Annotate remarks block with "inspected serviceable IAW UH-60-00-ASAM-03."

(10) DD Form 1575/DD Form 1575-1, Suspended Tag/Label – Materiel (Color Brown). Annotate remarks block with "suspended" IAW UH-60-00-ASAM-03."

(11) DD Form 1577-2/DD Form 1577-3, Unserviceable (reparable) Tag/Label – Materiel (Color Green). Annotate remarks block with unserviceable IAW UH-60-00-ASAM-03."

15. Weight and Balance. N/A.

16. Points of Contact.

a. Technical point of contact for this TB is Darrell Hutson, AMSAM-RD-AE-I-C-U, DSN 897-3898 or commercial (256) 313-3898, Data fax is DSN 897-3844 or (256) 313-3844. Alternate phone number is DSN 897-3887 or (256) 313-3887. E-mail is "darrell-hutson@redstone.army.mil".

b. Logistical point of contact for this TB is Mr. Joe Hoover, AMSAM-DSA-UH-L, DSN 645-7898 or commercial (256) 955-7898, Datafax is DSN 645-3778. E-mail is "hoover-jl@redstone.army.mil".

c. Wholesale materiel POC (Spares) is Mr. Dan Delao, AMSAM-MMC-VS-UB, DSN 897-1303 or (256) 313-1303, Datafax is DSN 897-4769. E-mail is "keener-je@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 or (256) 876-4904. E-mail is waldeck-ab@redstone.army.mil.

e. Safety point of contact for this TB is Mr. Ron Price, AMSAM-SF-A, DSN 788-8636 or commercial (256) 842-8636, Datafax is (256) 313-2111. E-mail is "ron-price@redstone.army.mil".

f. Foreign Military Sales (FMS) recipients requiring clarification of action advised by this TB should contact CW5 Joseph L. Wittstrom, security assistance management, AMSAM-SA, DSN 897-0410 or (256) 313-0410. E-mail is "wittstrom-jl@redstone.army.mil" or 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 "sammons-rs@redstone.army.mil". Huntsville, Alabama is GMT minus 6 hours.

g. After hours contact AMCOM Command Operations Center (COC) DSN 897-2066/7 or (256) 313-2066/7. or commercial (314)263-2066/7.

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, 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.

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

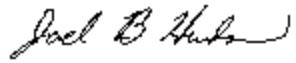
26. **Total:** 123

27. **Text:**

This is the text for the problem below line 27.

By Order of the Secretary of the Army:

Official:



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

0001203

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

Distribution:

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