

URGENT

*TB 1-1520-244-20-46

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

LINK ASSEMBLY, COLLECTIVE (P/N 209-010-409-1, NSN 3040-00-914-6124) FOR ALL AH-1 SERIES AIRCRAFT

Headquarters, Department of the Army, Washington, D. C.
15 December 1999

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NOTE

THIS PUBLICATION IS EFFECTIVE UNTIL RESCINDED OR SUPERSEDED.

1. **Priority Classification.** URGENT.

NOTE

See AR 95-1, paragraph 6-6.a., for noncompliance 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 (-)** 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 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.** 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).** N/A.

*This TB supersedes USAAMCOM Aviation Safety Action Message (ASAM), 221138Z, NOV 99 AH-1-00-ASAM-03.

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 "TB 1-1520-244-20-46 (AH-1-00-ASAM-03), AH-1 series aircraft, Link Assembly, Collective (P/N 209-010-409-1, NSN 3040-00-914-6124), not complied with."

(1) Wholesale Stock. Report receipt of this TB IAW paragraph 14.c.(1). Upon receipt of this TB, all serviceable items (Condition Codes A, B, C, D, and E) listed in paragraphs 6. and 7. and located in wholesale depot storage shall be placed in Condition Code J and tagged with a DD Form 1575/DD Form 1575-1, Suspended Tag/Label-Material. Do not remove original condition tags.

(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 paragraph 8. and the correction procedures of paragraph 9. on discrepant materiel. Disposition of discrepant materiel will be IAW paragraph 10.d.

g. Components/Parts in Work (Depot Level and Others). Items listed in paragraph 6. as in work will not be issued until compliance with this TB.

2. Task/Inspection Suspense Date. At next scheduled aircraft phase maintenance, or 31 October 2000, whichever occurs first.

3. Reporting Compliance Suspense Date. No later than 15 December 1999 in accordance with paragraph 14.a. of this TB.

4. Summary of the Problem.

a. Collective Link Assemblies have been purchased in the past from sources where no fatigue test was performed to validate the life of the part. Hutson Aerospace and GSE Dynamics are manufacturers that are in this category. AMCOM has been unable to locate sufficient parts to test from either manufacturer. Fatigue performance of these parts is unknown.

b. For Manpower/Downtime and Funding Impacts see paragraph 12.

c. The Purpose of this TB is to remove Hutson Aerospace and GSE Dynamics Collective Link Assemblies from service.

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

6. Assembly Components to be Inspected.

NOMENCLATURE	PART NUMBER	NATIONAL STOCK NUMBER
Link Assembly, Collective	209-010-409-1	3040-00-914-6124

7. Parts to be Inspected. N/A.

8. Inspection Procedures.

NOTE

Hutson Aerospace (CAGE Code 58822) serial numbers involved range from H0001 to H0050. The serial number should be vibroetched on the main cross member of the link, on the side opposite the fitting. The data plate will reference the manufacturer's name and/or CAGE Code. GSE Dynamics (CAGE Code 29183) serial numbers are believed to range from 001 to 070, but this is not certain as records no longer exist. GSE Dynamics serial numbers are vibroetched on the data plate instead of directly on the part.

a. Parts Installed on Aircraft.

(1) Inspect the data plate and the serial number on the link installed on the aircraft. If the part is found to be manufactured by Hutson Aerospace or GSE Dynamics, proceed to paragraph 9.a.

(2) If it is verified that Hutson Aerospace or GSE Dynamics is not the source of manufacture, the inspection is complete and the Red Horizontal Dash (-) is to be cleared. Compliance with this TB will be noted.

(3) If the source of manufacture cannot be determined, replace the suspect link IAW paragraph 9.a. Tag unidentifiable links as Unserviceable (Condemned) with DD Form 1577 (Red), and dispose of IAW paragraph 10.d.

b. Parts in Stock.

(1) Visually inspect all links (P/N 209-010-409-1, NSN 3040-00-914-6124). If it is verified that Hutson Aerospace or GSE Dynamics is not the source of manufacture, the inspection is complete. Compliance with this will be noted. The part will be retagged as serviceable.

(2) If the part is found to be manufactured by Hutson Aerospace or GSE Dynamics, proceed to paragraph 9.b.

(3) If the source of manufacture cannot be determined, tag unidentifiable links as Unserviceable (Condemned) with DD Form 1577 (Red), and dispose of IAW paragraph 10.d.

c. If the part has been painted, the paint may be removed to expose the serial number, per TM 55-1500-345-23, Painting and Marking of Army Aircraft, Chapter 2. Contact the technical POC listed in 16.a. if there are further questions on unidentified parts.

9. Correction Procedures.**a. For Assemblies Installed on Aircraft.**

(1) Replace the suspect Hutson Aerospace or GSE Dynamics link per TM 55-1520-236-23 with a serviceable one from supply. The inspection is complete and the Red Horizontal Dash (-) is to be cleared. Compliance with this TB will be noted.

(2) Tag Hutson Aerospace or GSE Dynamics links as Unserviceable (Condemned) With DD Form 1577 (Red). Dispose of unserviceable Hutson Aerospace or GSE Dynamics parts IAW paragraph 10.d.

b. Parts in Stock at All Levels. Tag Hutson or GSE Dynamics links as Unserviceable (Condemned) with DD Form 1577 (Red). Dispose of unserviceable Hutson or GSE Dynamics parts IAW paragraph 10.d.

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) XF5.

NOTE

Project Code XF5 is required to track and establish a data base of stock fund expenditures incurred by the field as a result of SOF/ASAM actions.

c. Bulk and Consumable Materials. N/A.

d. Disposition. Ship suspect Hutson Aerospace or GSE Dynamics Link Assemblies to the following address:

DODAC W31POW
 Transportation Officer Building 8022
 Mark For: RTTC, Building 4500
 Attention: STERT-TE-E-CS (FSP)
 Redstone Arsenal, AL 35898-8052

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) A total of 0.5 man-hours using 1 person is required to conduct the visual inspection of the assembly.

(2) To Remove and Replace an Assembly:

(a) Total of 1 man-hours using 1 person.

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

NOTE

Total downtime per end item does not include time required to perform the required test flight. Recommend Collective Link Assembly replacement be performed in conjunction with scheduled phase maintenance.

c. Estimated Cost Impact to the Field.

NOMENCLATURE	P/N	NSN	QTY.	COST EA.
Link Assy, Collective	209-010-409-1	3040-00-914-6124	1	\$1,028.00

Total Cost per Aircraft = \$1,028.00

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 55-1500-345-23.

14. Recording and Reporting Requirements.

a. Reporting Compliance Suspense Date (Aircraft). Upon entering requirements of this 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, IAW AR 95-1. Datafax number is DSN 897-2111 or (256) 313-2111. E-mail address is

<safeadm@redstone.army.mil>. The report will cite this 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 TB Receipt (Spares).

(1) Materiel in Wholesale Depot Storage. Report compliance with this TB to the wholesale materiel point of contact (spares) listed in paragraph 16.c. within 7 days of the date of this TB using DD Form 1225. Provide the cost of compliance with this 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. 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 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, Uncorrected Fault Record.

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

(5) DD Form 1574/DD Form 1574-1, Serviceable Tag/Label-Materiel (Yellow). Annotate remarks block with "Inspected Serviceable IAW TB 1-1520-244-20-46 (AH-1-00-ASAM-03)."

(6) DD Form 1575/DD Form 1575-1, Suspended Tag/Label-Materiel (Brown). Annotate remarks block with "Suspended IAW TB 1-1520-244-20-46 (AH-1-00-ASAM-03)."

(7) DD Form 1577/DD Form 1577-1, Unserviceable (Condemned) Tag/Label-Materiel (Red). Annotate remarks block with "Condemned IAW TB 1-1520-244-20-46 (AH-1-00-ASAM-03) 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 TB are:

(1) Mr. Gerald Johnson, AMSAM-AR-E-I-B-H, DSN 645-9545 or (256) 955-9545. Datafax IS 645-9536. E-mail is <gerald.johnson@redstone.army.mil>.

(2) Ms. Denise Bouchard, AMSAM-AR-E-I-B-H, DSN 645-9740 or (256) 955-9740. Datafax IS 645-9536. E-mail is <denise.bouchard@redstone.army.mil>.

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

c. Wholesale materiel point of contact (spares) for this TB is Mr. Ken Gardner, AMSAM-MMC-VS-UN, DSN 897-1545 or (256) 313-1545. Datafax is DSN 897-1558. E-mail is <gardner-kd@exchange1.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 commercial (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. Mr. Howard Chilton, AMSAM-SF-A, DSN 897-2068 or (256) 313-2068. Datafax is DSN 897-2111 or (256) 313-2111. E-mail is <howard.chilton@redstone.army.mil>.

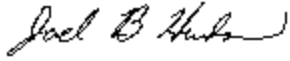
f. Foreign Military Sales (FMS) recipients requiring clarification of action advised by this TB should contact CW5 Joseph L. Wittstrom, Security Assistance Management, AMSAM-SA, DSN 897-0681 or commercial (256) 313-0681. E-mail is <wittstrom-jl@redstone.army.mil>. Alternate POC is Mr. Ronnie W. Sammons, AMSAM-SA-CS-NF, DSN 897-0869 or (256) 313-0869. Datafax is DSN 897-0411 or (256) 313-0411. E-mail is <sammons-rw@redstone.army.mil>. Huntsville, Alabama is GMT minus 6 hrs.

g. After hours contact 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.

By Order of the Secretary of the Army:

Official:



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Distribution:

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