

URGENT

*TB 1-1520-237-20-234

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

SAFETY OF FLIGHT, TECHNICAL, RCS CSGLD-1860 (R1), ALL H-60 SERIES AIRCRAFT, ONE TIME INSPECTION OF MAIN ROTOR BLADE EXPANDABLE PINS

Headquarters, Department of the Army, Washington, D. C.
1 August 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 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 TB make the following entry on the DA Form 2408-13-1. Enter a Red Horizontal Dash// status symbol with the following statement: "Inspect main rotor blade expandable pins IAW TB 1-1520-237-20-234 prior to next flight, but NLT 30 July 2001." 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 practical but no later than 30 July 2001. Commanders who are unable to comply with the requirements of this TB within the time frame specified will upgrade the affected aircraft status symbol to a Red//X//.

b. Aircraft in maintenance .

(1) Aircraft in AVUM, AVIM or Depot level maintenance. Same as paragraph 1.a..

(2) Aircraft at Contractor Facility. Same as paragraph 1.a..

* This TB supersedes USAAMCOM Aviation Safety of Flight Message (SOF), 162000JUL01, UH-60-01-10.

c. Aircraft in Transit.

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

(2) Ferry Status - Inspect at final destination.

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

e. Component/Parts in Stock at All Levels (Depot Level and Others), including War Reserves. Upon receipt of this TB, depot and materiel activity commanders at all levels will ensure the material condition tags of all items listed in paragraph 7. are annotated to read: "TB 1-1520-237-20-234, main rotor blade expandable pin inspection, not complied with."

(1) Wholesale Stock. Upon Receipt of this TB, depot and materiel activity commanders will ensure all items in condition codes //A//, //B//, //C//, //D//, and //E//, listed in paragraph 7, are 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 IAW paragraph 14.b(2), NLT 23 July 2001.

(2) Retail Stock. Report receipt of this TB IAW paragraph 14.c.(1) NLT 23 July 2001. Upon receipt of this 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 TB IAW paragraph 14.c.(2) NLT 26 July 2001.

f. Components/Parts in Work (Depot Level and Others). Depot and other maintenance activity commanders will ensure items listed in paragraph 7 are not issued until they are in compliance with this TB.

2. Task/Inspection Suspense Date. Complete the inspection IAW paragraphs 8 and 9 prior to next flight but NLT 30 July 2001 and report IAW para 14.a.(2) NLT 2 August 2001.

3. Reporting Compliance Suspense Date. Report compliance IAW para 14.a.(1) NLT 19 July 2001.

4. Summary of Problem.

a. SOF Message UH-60-01-09 (TB 1-1520-237-20-233) was issued on 8 June 2001 requiring an inspection of the main rotor expandable pins, P/N 70103-102/103. That SOF removed all main rotor blade expandable pins that had a material non-conformance from service and stock and mandated a one time inspection of all other pins for cracks and corrosion. As a result of the SOF, a rework program has been initiated to replace the discrepant part on these APEX manufactured pins.

b. Manpower/downtime and funding impacts see para 12.

c. The purpose of this TB is to:

(1) Provide specific serial number information to allow identification of serviceable pins manufactured by APEX manufacturing.

(2) Provide disposition guidance for non-conforming pins.

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

6. Assembly Components to be Inspected. N/A

7. Parts to be Inspected.

NOMENCLATURE	PART NUMBER	NSN
Pin, Expanding Grip	70103-08107-102	5315-01-329-0707
Pin, Expanding Grip	70103-08107-103	No NSN

8. Inspection Procedures.

a. Determine that all inspection procedures required IAW UH-60-01-09 (TB 1-1520-237-20-233) have been completed.

b. Determine the manufacturer and serial number, to include suffix if applicable, of main rotor blade expandable pin.

c. If main rotor blade expandable pin is manufactured by APEX Manufacturing Company, MFG CAGE Code 2V343 serial number AP0001 through AP3800 with no suffix, or cannot be determined, proceed to paragraph 9.a..

d. If main rotor blade expandable pin is manufactured by other than APEX Manufacturing Company, MFG CAGE Code 2V343 and all inspections IAW UH-60-01-09 have been completed, the inspection for that pin is complete and the red dash //-- entry may be cleared.

9. Correction Procedures.

a. Immediately remove all main rotor blade expandable pins manufactured by APEX Manufacturing Company, MFG CAGE Code 2V343, that are in the serial number range AP0001 through AP3800, and do not have a suffix, or cannot be determined. Do not demilitarize or mutilate as instructed by UH-60-01-09 (TB 1-1520-237-20-233). Dispose of removed pins IAW paragraph 10.d. of this TB.

b. Replace the suspect pin. Before installation of the blade pin, inspect per TM 1-1520-237-23, paragraph 5-3-9. Checking the expandable pin tension is not required.

c. Pins authorized for for installation.

(1) Pins manufactured by APEX Manufacturing Company, that have a serial number from AP0001 through AP3800 with a suffix of "R", "S", or "WR", or pins outside this serial number range, are fully conforming and normal use is authorized.

(2) Pins that have been produced by manufacturers other than APEX that have been inspected by UH-60-01-09 (TB 1-1520-237-20-233).

d. If an APEX pin numbered AP0001 through AP3800 with a suffix of "R", "S", or "WR" is received without a matching DA Form 2410, contact the 2410 hotline at DSN 897-2410 or Commercial (256)313-2410, or email at "DATA2410@redstone.army.mil" for further instructions.

10. Supply/Parts and Disposition.

NOTE

HQDA will prioritize units for distribution of new and reworked main rotor blade pins until resources are available to allow normal supply procedures.

a. Parts required. Items cited in paragraph 7 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) "X1D" (X-ray-One-Delta).

NOTE

Project code "X1D" is required to track and establish a data base of stock fund expenditures incurred by the field as a result of message actions.

c. Bulk and Consumable Materials: N/A.

d. Disposition. All pins manufactured by APEX Manufacturing Company, MFG CAGE Code 2V343, that have a the serial number AP0001 through AP3800, with no suffix, will be shipped to AMCOM NLT 30 July 2001.

(1) Send to - U.S. Army Aviation and Missile Command, (AMSAM-RD-SE/Tim Estes), Bldg 4762, Redstone Arsenal, AL 35898-5280..

(2) A copy of the packing list showing all pin serial numbers being shipped is to be emailed or faxed to the Wholesale Point of Contact listed in paragraph 16.c.. All turn-in documents must include project code (CC 57-59) "X1D" (X-ray-One-Delta).

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

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

12. Application.

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

b. Estimated Time Required.

(1) Time to Complete Inspection. Total of 1.0 man-hours using 1 person.

(2) Time For Replacement -

(a) Total of 1.5 man-hours using 3 persons.

(b) Total of 0.5 hours downtime for one end item.

(3) Total estimated downtime for inspection and correction - 14 man-hours.

c. Estimated cost impact to the field.

NOMENCLATURE	PART NO./NSN	QTY.	COST EA.	TOTAL
Pin, Expanding Grip	70103-08107-102	8	\$168.61	\$1348.88
	5315-01-329-0707			

Total Cost per Aircraft = \$1348.88

d. TB/MWOs to be applied prior to or concurrently with this inspection. TB 1-1520-237-233.

e. Publications which require change as a result of this inspection. N/A

13. References.

a. DA PAM 738-751, 15 March 1999.

b. TM 1-1520-237-23.

c. TM 1-1520-250-23.

d. UH-60-01-09 (TB 1-1520-237-20-233).

14. Recording and Reporting Requirements.

a. Aircraft:

(1) Reporting Compliance Suspense. Upon entering requirements of this TB on DA Form 2408-13-1 for all effected aircraft, Commanders will forward a priority message, datafax or email to Commander, AMCOM, ATTN: AMSAM-SF-A (SOF Compliance Officer), Redstone Arsenal, AL 35898-5000, IAW AR 95-1, NLT date specified in Paragraph 3. Datafax number is DSN 897-2111 or commercial (256) 313-2111. Email address is "safeadm@redstone.army.mil". The report will cite the 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.

(2) Task/Inspection Reporting Suspense Date . Upon completion of inspection, Commanders will forward a priority message to the Logistical Point of Contact listed in para 16.b. The report will include the message and TB number, aircraft serial number, aircraft and component hours, date of the inspection, the reporting unit (Company/Detachment), results of the inspection, number of aircraft on hand, number of aircraft AOG due to SOF, total number of pins required for operational aircraft and location of assets (deployed vs garrison). Inspection and reports will be completed NLT date specified in paragraph 2.

b. Wholesale Spare Parts/Assemblies.

(1) N/A.

(2) Task/Inspection Reporting Suspense. Depot and materiel activity commanders will provide a DDform 1225 to the Wholesale Materiel Point of Contact (spares) listed in paragraph 16.c. NLT date speci-

fied in paragraph 1.e.(1). Provide an estimate of the cost reimbursable funding required to move serviceable items on hand listed in paragraphs 7. 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.

c. Retail Spare Parts/Assemblies.

(1) Commanders and facility managers will report receipt of this message by email or datafax to the Logistical Point of Contact listed in paragraph 16.b. NLT date specified in paragraph 1.e.(2). Provide local point of contact.

(2) Task/Inspection Reporting Suspense - Commanders and facility managers will report inspection results to the Logistical Point of Contact in paragraph 16.b. NLT date specified in paragraph 1.e.(2). Report the quantity inspected by condition code and the resulting condition code. Report by email or datafax and provide local point of contact.

d. 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 (Component).

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

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

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

(5) DA Form 2410, Component Removal and Repair/Overhaul Record (only if the blade expandable pin is removed and or replaced).

(6) DD Form 1574/DD Form 1574-1, Serviceable Tag/Label - Materiel (color yellow). Annotate remarks block with "Inspected serviceable IAW UH-60-01-10 (TB 1-1520-237-20-234)".

(7) DD Form 1575/DD Form 1575-1, Suspended Tag/Label - Materiel (color Brown). Annotate remarks block with "Inspected serviceable IAW UH-60-01-10 (TB 1-1520-237-20-234)".

(8) DA Form 1577-2/DD Form 1577-3, Unserviceable (repairable) Tag/Label - Materiel (color green). Annotate remarks block with "Unserviceable IAW UH-60-01-10 (TB 1-1520-237-20-234)".

15. Weight and Balance. N/A.

16. Points of Contact.

a. Technical point of contacts are:

(1) Primary - Mr. Roger Clark, AMSAM-RD-AE-I-D-U, DSN 897-5199, Commercial (256) 313-5199. Datafax is 897-6053 or Commercial (256)313-6053, email is "roger.clark@uh.redstone.army.mil".

(2) Alternate - Mr. Larry Moosman (Camber), AMSAM-RD-AE-I-D-U, DSN 897-2413 or 897-6030, Commercial (256)313-2413 or (256)313-6030. Datafax is 897-3844 or 897-6053, Commercial (256)313-3844 or (256)313-6053. Email is "larry.moosman@uh.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. Email is "joe.hoover@uh.redstone.army.mil"

c. Wholesale materiel point of contact (Spares) is Ms. Julia Moore, AMSAM-MMC-VS-UA, DSN 897-2021 or (256) 313-2012, datafax is DSN 746-4591. Email is "julia.moore@redstone.army.mil".

d. Forms and records point of contact is Ms. Ann Waldeck, AMSAM-MMC-MA-NM, DSN 746-5564 or (256) 876-5564, Datafax is DSN 746-4904. Email is "ann.waldeck@redstone.army.mil".

e. Safety points of contact are:

(1) Primary - Mr. Randall Rushing, (SAIC), AMSAM-SF-A, DSN 897-2092 or commercial (256) 313-2092, Datafax is DSN 897-2111 or (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 DSN 897-2111 or (256) 313-2111. Email is "ron.price@redstone.army.mil".

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

(1) Primary: Mr. Ronnie W. Sammons, AMSAM-SA-CS-NF, DSN 897-6856 or (256) 313-6856. Datafax is DSN 897-6630 or (256) 313-6630. Email "ronnie.sammons@redstone.army.mil".

(2) Alternate: MR. Paul W. Tarr, AMSAM-SA-CS-NF, DSN 897-6861 or (256) 313-6861. Datafax is DSN 897-6630 or (256) 313-6630. Email "paul.tarr@redstone.army.mil".

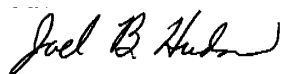
g. After hours contact AMCOM Command Operations Center (COC) DSN 897-2066/7 or (256) 313-2066/7.

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 2028@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
0120402

DISTRIBUTION:

To be distributed in accordance with initial distribution number (IDN) 313977 requirements for TB 1-1520-237-20-234.

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: 2028@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.