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FROM :CDRAMCOM REDSTONE ARSENAL AL//AMSAM-SF-A//

TO :AIG 8881 :AIG 9004 :AIG 7515 :AIG 7471 :AIG 12124

INFO :

XMT :

ACCT :

TEXT :

:UNCLAS

SUBJECT - AVIATION SAFETY ACTION MESSAGE, MAINTENANCE MANDATORY, RCS CSGLD-1860(R1), AH-1, OH-58, AND UH-1, ONE TIME INSPECTION OF MAGNETIC BRAKE, AH-1-01-ASAM-01 (TB 1-1520-243-20-28), OH-58-01-ASAM-03 (TB 1-1520-228-20-85/TB 1-1520-248-20-57), AND UH-1-01-ASAM-03 (TB 1-1520-243-20-28).

*ASAM
UH-1-01-ASAM-03
Magnetic Brake Insp*

NOTE

THIS MESSAGE IS ISSUED IAW AR 95-1, 1 SEP 97, CHAPTER 6. THIS MESSAGE HAS NOT BEEN TRANSMITTED TO UNITS SUBORDINATE TO ADDRESSEES. ADDRESSEES SHOULD IMMEDIATELY RETRANSMIT THIS MESSAGE TO ALL SUBORDINATE UNITS, ACTIVITIES OR ELEMENTS AFFECTED OR CONCERNED. THE RETRANSMITTAL SHALL REFERENCE THE MESSAGE. ACTION ADDRESSEES WILL IMMEDIATELY VERIFY THIS TRANSMISSION TO CDR, AMCOM, ATTN: AMSAM-SF-A (SOF COMPLIANCE OFFICER).

1. PRIORITY CLASSIFICATION -

NOTE

IAW AR 95-1, PARAGRAPH 6-14A, 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 MESSAGE, MAKE THE FOLLOWING ENTRY ON THE DA FORM 2408-13-1. ENTER A RED HORIZONTAL DASH //-// STATUS SYMBOL WITH THE FOLLOWING STATEMENT [AS APPROPRIATE]: "INSPECT MAGNETIC BRAKE (P/N 204-001-376-003) IAW AH-1-01-ASAM-01 (TB 1-1520-243-20-28), OH-58-01-ASAM-03 (TB 1-1520-228-20-85/TB 1-1520-248-20-57), OR UH-1-01-ASAM-03 (TB 1-1520-243-20-28) NLT 31 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 NOT LATER THAN 31 JULY 2001. COMMANDERS WHO ARE UNABLE TO COMPLY WITH THE REQUIREMENTS OF THIS MESSAGE WITHIN THE TIME FRAME SPECIFIED WILL UPGRADE THE AFFECTED AIRCRAFT STATUS SYMBOL TO A RED //X//.

B. AIRCRAFT IN MAINTENANCE -

- (1) AIRCRAFT IN AVON, AVIM OR DEPOT LEVEL MAINTENANCE - SAME AS PARA 1A.
- (2) AIRCRAFT AT CONTRACTOR FACILITY - BELL HELICOPTER TEXTRON, U.S. HELICOPTERS INC., ETC., WILL INSPECT DO 250 AIRCRAFT PRIOR TO THOSE AIRCRAFT DEPARTING FOR FERRY TO FINAL DESTINATION.
- C. AIRCRAFT IN TRANSIT - SAME AS PARA 1A.
- D. MAINTENANCE TRAINERS (CAT. A AND B) - SAME AS PARA 1A.
- E. COMPONENT/PARTS IN STOCK AT ALL LEVELS (DEPOT AND OTHERS) INCLUDING WAR RESERVES - UPON RECEIPT OF THIS MESSAGE, DEPOT AND

MATERIEL ACTIVITY COMMANDERS WILL ENSURE THE MATERIEL CONDITION TAGS OF ALL ITEMS IN ALL CONDITION CODES LISTED IN PARAGRAPH 6 ARE ANNOTATED TO READ (AS APPROPRIATE): "ONE TIME INSPECTION OF MAGNETIC BRAKE, AH-1-01-ASAM-01 (TB 1-1520-243-20-28), OH-58-01-ASAM-03 (TB 1-1520-228-20-85/TB 1-1520-248-20-57), OR UH-1-01-ASAM-03 (TB 1-1520-243-20-28), MAGNETIC BRAKE INSPECTION, NOT COMPLIED WITH."

(1) WHOLESALE STOCK - N/A.

(2) RETAIL STOCK - UPON RECEIPT OF THIS MESSAGE,

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 MATERIEL. DISPOSE OF DISCREPANT MATERIEL IAW PARAGRAPH 10.

F. COMPONENTS/PARTS IN WORK (DEPOT LEVEL AND OTHERS) - DEPOT AND OTHER MAINTENANCE ACTIVITY COMMANDERS WILL ENSURE ITEMS LISTED IN PARAGRAPH 6 ARE NOT ISSUED UNTIL THEY ARE IN COMPLIANCE WITH THIS MESSAGE.

2. TASK/INSPECTION SUSPENSE DATE - COMPLETE THE INSPECTION IAW PARAGRAPH 8 NLT 31 JULY 2001.

3. REPORTING COMPLIANCE SUSPENSE DATE - REPORT COMPLIANCE IAW PARA 14A(1) NLT 27 JUN 01.

4. SUMMARY OF PROBLEM -

A. BELL HELICOPTER TEXTRON HAS RECENTLY RECEIVED A REPORT THAT MAGNETIC BRAKE (P/N 204-001-376-003) SCREWS (P/N MS51959-3) HAD BACKED OUT WHICH LIMITED THE TRAVEL OF THE ARM ASSEMBLY AND CAUSED INCREASED RESISTANCE IN THE FLIGHT CONTROLS. IF THIS OCCURRED, THE RESISTANCE OF THE EFFECTED FLIGHT CONTROL COULD CAUSE THE PILOT TO OVER CONTROL THE AIRCRAFT IN CERTAIN FLIGHT CONDITIONS. INVESTIGATION REVEALED THE STOP SCREWS HAD BEEN INSTALLED WITHOUT THE PROPER ADHESIVE. THESE MAGNETIC BRAKES WERE MANUFACTURED BY MEMCOR-TRUOHM, INC. UNDER THEIR P/N MP498-3. MAGNETIC BRAKES MANUFACTURED BY OTHER MANUFACTURERS ARE NOT AFFECTED BY THIS MESSAGE.

B. MANPOWER/DOWNTIME AND FUNDING IMPACTS - SEE PARA 12.

C. THE PURPOSE OF THIS MESSAGE IS TO -

(1) INSPECT ALL MAGNETIC BRAKES, P/N 204-001-376-003, TO DETERMINE THE MANUFACTURER.

(2) VERIFY THE INSTALLATION OF THE MAGNETIC BRAKE STOP SCREWS AND REPAIR IF REQUIRED.

5. END ITEMS TO BE INSPECTED - ALL AH-1, OH-58 AND UH-1 SERIES AIRCRAFT.

6. ASSEMBLY COMPONENTS TO BE INSPECTED -

| NOMENCLATURE | PART NO. | NSN |
|-----------------|-----------------|-----|
| BRAKE, MAGNETIC | 204-001-376-003 | ALL |

7. PARTS TO BE INSPECTED -

| NOMENCLATURE | PART NO. | NSN |
|--------------|-----------|------------------|
| SCREW | MS51959-3 | 5305-00-727-8833 |

8. INSPECTION PROCEDURES -

A. GAIN ACCESS TO ALL MAGNETIC BRAKES IAW PROCEDURES CONTAINED IN THE APPROPRIATE TECHNICAL MANUAL.

B. DETERMINE THE MANUFACTURERS PART NUMBER LOCATED ON THE MAGNETIC BRAKE DATA PLATE.

C. IF THE MANUFACTURERS PART NUMBER IS MP498-3, PROCEED TO PARAGRAPH 9A.

D. IF THE MANUFACTURERS PART NUMBER IS NOT MP498-3, THE INSPECTION IS COMPLETE AND THE RED HORIZONTAL DASH // - // ENTRY MAY BE CLEARED.

9. CORRECTION PROCEDURES -

A. IF THE MANUFACTURERS PART NUMBER IS MP498-3, REMOVE SUSPECT MAGNETIC BRAKES IAW PROCEDURES CONTAINED IN THE APPROPRIATE TECHNICAL MANUAL.

B. APPLY 10 INCH POUNDS OF TORQUE COUNTERCLOCKWISE TO THE TWO

MS51959-3 SCREWS LOCATED ON THE MAGNETIC BRAKE HOUSING NEXT TO THE MAGNETIC BRAKE ARM.

C. IF NO MOVEMENT IS DETECTED, REINSTALL THE MAGNETIC BRAKE IAW WITH PROCEDURES CONTAINED IN THE APPROPRIATE TECHNICAL MANUAL AND CLEAR THE RED HORIZONTAL DASH //--// ENTRY.

D. IF MOVEMENT IS DETECTED, REPAIR AS FOLLOWS -

- (1) REMOVE THE TWO SCREWS AND STOP LIMITS FROM THE MAGNETIC BRAKE.
- (2) REMOVE THE OLD SEALANT FROM THE SCREWS AND THE MAGNETIC BRAKE SCREW HOLES.
- (3) APPLY LOCTITE (NSN 8030-00-081-2340) TO THE SCREW THREADS AND INSTALL THE TWO SCREWS WITH THE TWO STOP LIMITS HAND TIGHT.
- (4) ADJUST THE STOP LIMITS IAW APPROPRIATE MAINTENANCE MANUAL TASK.
- (5) TORQUE SCREWS TO 5 TO 10 INCH-POUNDS.
- (6) REINSTALL MAGNETIC BRAKE IAW PROCEDURES CONTAINED IN THE APPROPRIATE MAINTENANCE MANUAL AND CLEAR THE RED HORIZONTAL DASH //--// ENTRY.

10. SUPPLY/PARTS AND DISPOSITION -

A. PARTS REQUIRED - N/A.

B. REQUISITIONING INSTRUCTIONS - N/A.

C. BULK AND CONSUMABLE MATERIALS -

| NOMENCLATURE | PART NO. | NSN |
|----------------------------|----------|------------------|
| SEALING COMPOUND (LOCTITE) | 08931 | 8030-00-081-2340 |

D. DISPOSITION - N/A.

E. DISPOSITION OF HAZARDOUS MATERIAL - N/A.

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 MESSAGE.

B. ESTIMATED TIME REQUIRED -

(1) TIME TO COMPLETE INSPECTION -

(A) TOTAL OF 0.5 MAN-HOURS USING 1 PERSON.

(B) TOTAL OF 0.5 HOURS DOWNTIME FOR ONE END ITEM.

(2) TIME FOR REPAIR/REPLACEMENT -

(A) TOTAL OF 3.0 MAN-HOURS USING 1 PERSON.

(B) TOTAL OF 3.0 HOURS DOWNTIME FOR ONE END ITEM.

C. ESTIMATED COST IMPACT TO THE FIELD -

| NOMENCLATURE | PART NO./NSN | QTY | COST EA. | TOTAL \$ |
|---------------------------|------------------|-----|----------|----------|
| SEALING COMPOUND | 8030-00-081-2340 | 1 | \$1.79 | \$1.79 |
| TOTAL COST PER AIRCRAFT = | | | | \$1.79 |

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. DA FORM 738-751, 15 MAR 99.

B. TM 1-1520-248-23.

C. TM 55-1520-210-23.

D. TM 55-1520-228-23.

F. TM 55-1520-236-23.

14. RECORDING AND REPORTING REQUIREMENTS -

A. AIRCRAFT -

(1) REPORTING COMPLIANCE SUSPENSE - UPON ENTERING REQUIREMENTS OF THIS MESSAGE ON DA FORM 2408-13-1 FOR ALL EFFECTED AIRCRAFT, COMMANDERS WILL 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, NLT DATE SPECIFIED