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*UH-1-99ASAM-01  
Removal of clam  
Fab elevators*

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*#01 1998*

FROM :CDRAMCOM REDSTONE ARSENAL AL//AMSAM-SF-A// TO :AIG 8881 :AIG 9004 :AIG 9042 :AIG 7515 :AIG 7471 :AIG 12124 :DCMC APMO OZARK AL//DCMDE-  
AOA// :CDRAMCOM REDSTONE ARSENAL AL//AMSAM-RA-FO// :ASF42 81ST ARCOM  
DOBBINS AFB GA :DEPT OF STATE AIR WING PATRICK AFB FL :CDRCBDCOM  
ABERDEEN PROVING GROUND MD//AMSCB-OPA// :USAATC ABERDEEN PROVING  
GROUND MD//STEAC-CO-P// :RAYTHEON RANGE SYSTEMS ENGINEERING KWAJALEIN  
MH//PAT2// :CDRDPG DUGWAY UT//STEDP-AVN// :USDOCO LANDSOUTHEAST IZMIR  
TU//AV// :WALLOPS FLIGHT FACILITY NASA WALLOPS ISLAND VA ://CODE 831.2  
AIRCRAFT QA// INFO :HQAFSPCCSS PETERSON AFB CO//LGM/SEF// :CDRMDW  
WASHINGTON DC//ANLG-LS// :SECDEF WASHINGTON DC//USDP-DSAA// :SECSTATE  
WASHINGTON DC//NEA/INL// :AFSOC HURLBURT FIELD FL//LGMW// :HQ PACAFDPC  
HICKAM AFB HI//DO/LGM// :HQAMC SCOTT AFB  
IL//LG/LGF/LGQ/DO/DOT/DOV/DOX/SEF// :89AW ANDREWS AFB MD//LG// :89OG  
ANDREWS AFB MD//CC/OGV// :1HS ANDREWS AFB MD//CC/DO// :COMNAVAIRSYSCOM  
PATUXENT RIVER MD//AIR5.0D/D4/D43// :NAVTESTWINGLANT PATUXENT RIVER  
MD//55TW90A/IM90A// :NAVSTKAIRTESTRON PATUXENT RIVER  
MD//55RW90A/91A/92A// :CDR FT BRAGG NC//AFZA-GT-OM// :CDR HQ 1ST COSCOM FT  
BRAGG NC//LOGOPS AVN SECT// :FAA AERONAUTICALCEN OKLAHOMA CITY  
OK//AFS-620// :DISC PHILADELPHIA PA//QEBB-JU// :CDR LSE AVIATION IZMIR  
TU//LSE// :HQ AETC RANDOLPH AFB TX//DO/DOFI/SEF// :FAA SOUTHWEST RGN HQ  
FORT WORTH TX//ASW-100// :CDRUSASMDC ARLINGTON VA//CSSD/ZA// :PMSW VHFS  
WARRENTON VA//SFAE-IEW-SG// XMT : ACCT : TEXT

**Subject**

AVIATION SAFETY ACTION MESSAGE, MAINTENANCE MANDATORY,

RCS CSGLD-1860(R1), ALL UH-1 SERIES AIRCRAFT, REVISION TO UH-1-98-  
ASAM-02 MANDATORY INSPECTION AND REMOVAL OF ELEVATOR ASSEMBLIES,  
UH-1-99-ASAM-01 (TB 1-1520-210-20-42)

## NOTE

THIS IS AN AVIATION SAFETY ACTION MESSAGE ISSUED IAW AR 95-1, CHAPTER 6, 1 SEP 97. 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).

**Priority Classification**

A. AIRCRAFT IN USE - UPON RECEIPT OF THIS MESSAGE 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 PARA 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 MESSAGE WITHIN THE TIME FRAME WILL CAUSE THE STATUS SYMBOL TO BE UPGRADED TO A RED //X//.

B. AIRCRAFT IN DEPOT MAINTENANCE - SAME AS PARA 1A.

C. AIRCRAFT UNDERGOING MAINTENANCE - SAME AS PARA 1A.

D. AIRCRAFT IN TRANSIT -

(1) SURFACE/AIR SHIPMENT - SAME AS PARA 1A.

(2) FERRY STATUS -

( ) SAME AS PARA 1A.

( ) THOSE AIRCRAFT THAT HAVE A DD 250 AND ARE AT US HELICOPTERS WILL BE INSPECTED PRIOR TO FERRY TO FINAL DESTINATION.

E. MAINTENANCE TRAINERS (CATEGORY A AND B) - N/A.

F. COMPONENT/PARTS IN STOCK AT ALL LEVELS (DEPOT AND OTHERS) INCLUDING WAR RESERVES - UPON RECEIPT OF THIS MESSAGE THE MATERIAL CONDITION TAGS OF ALL ITEMS IN ALL CONDITION CODES LISTED IN PARAGRAPHS 6 SHALL BE ANNOTATED TO READ "UH-1-99-ASAM-01 (TB 1-1520-210 (10-42) NOT COMPLIED WITH".

(1) WAREHOUSE STOCK - N/A.

(2) RETAIL STOCK - REPORT RECEIPT OF THIS MESSAGE IAW PARAGRAPH 14C(1). UPON RECEIPT OF THIS MESSAGE 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. REPORT COMPLIANCE WITH THIS MESSAGE IAW PARAGRAPH 14D(2).

G. COMPONENTS/PARTS IN WORK (DEPOT LEVEL AND OTHERS) - SAME AS PARAGRAPH 10.

**Task/Inspection Suspense Date**

- WITHIN NEXT 90 FLIGHT HOURS

OR 14 DAYS, WHICHEVER OCCURS FIRST.

**Reporting Compliance Suspense Date**

- NO LATER THAN 20 NOV 98

IAW PARA 14A OF THIS MESSAGE.

**Summary of Problem**

A. UH-1-99-ASAM-02 DIRECTED INSPECTION AND SUBSEQUENT

REPORTING OF ALL UH-1 H/V AIRCRAFT FOR ELEVATORS MANUFACTURED BY CHEM FAB CORPORATION.

(1) CHEM FAB ELEVATORS WERE BELIEVED TO HAVE SPAR TUBE ABRASIONS CAUSED BY A DRILLING OPERATION USED IN ATTACHING THE SKIN TO THE RIBS DURING ASSEMBLY. UH-1-98-ASAM-02 ALSO MANDATED REMOVAL OF ALL CHEM FAB ELEVATORS NO LATER THAN A ONE YEAR FROM DATE OF THE INSPECTION.

(2) IN THE PERIOD SINCE UH-1-98-ASAM-02 WAS ISSUED, ADDITIONAL ANALYSIS OF THE CHEM FAB ELEVATORS HAS BEEN COMPLETED. THE DRILL MARKS ON THE CHEM FAB ELEVATOR TEST SPECIMENS DID NOT REDUCE THE COMPONENTS FATIGUE STRENGTH. HOWEVER, ADDITIONAL DEFICIENCIES WERE DISCOVERED THAT ADVERSELY AFFECT THE LONG TERM USE OF THESE PARTS. CHEM FAB ELEVATORS WERE NOT MANUFACTURED IAW THE TECHNICAL DATA PACKAGE. ALL ELEVATORS MANUFACTURED BY CHEM FAB CORPORATION SHALL BE REMOVED FROM SERVICE UPON REACHING THE RETIREMENT LIFE OF 3,600 FLIGHT HOURS OR NO LATER THAN 15 OCTOBER 2000, WHICHEVER OCCURS FIRST.

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

C. THE PURPOSE OF THIS MESSAGE IS TO REVISE UH-1-98-ASAM-02 TO REQUIRE MANDATORY REMOVAL OF ELEVATORS MANUFACTURED BY CHEM FAB CORPORATION UPON REACHING THE 3,600 FLIGHT HOUR RETIREMENT LIFE, BUT NO LATER THAN 15 OCTOBER 2000.

#### End Items To Be Inspected

- ALL UH-1 H/V AIRCRAFT.

#### Assembly Components to be Inspected

NOMENCLATURE	PART NO.	NSN
ELEVATOR ASSY, L/H	205-030-856-19	1560-00-996-3906
ELEVATOR ASSY, R/H	205-030-856-21	1560-00-996-3905

#### Parts to be Inspected

- N/A.

#### Inspection Procedures

- GAIN ACCESS TO THE ELEVATOR ASSEMBLY.
- IDENTIFY AND RECORD THE SERIAL NUMBER ON THE DATA PLATE LOCATED ON THE UNDERNEATH SKIN NEAR THE TRAILING EDGE ON THE INBOARD END OF THE ELEVATOR.
- FOR ELEVATORS WITH A "CF" SERIAL NUMBER PREFIX, PROCEED WITH THE CORRECTION PROCEDURES IN PARAGRAPH 9A.
- FOR ELEVATORS THAT DO NOT HAVE A "CF" SERIAL NUMBER PREFIX THE INSPECTION IS COMPLETE.

#### Correction Procedures

- FOR ELEVATOR ASSEMBLIES WITH A "CF" SERIAL NUMBER PREFIX, ANNOTATE THE AIRCRAFT RECORDS TO REQUIRE THE ELEVATOR TO BE REMOVED FROM SERVICE UPON REACHING THE 3,600 HOUR RETIREMENT LIFE BUT NOT LATER THAN 15 OCTOBER 2000.

NOTE

THIS MESSAGE DOES NOT PROHIBIT INSTALLATION OF CHEM FAB ELEVATORS FROM STOCK. HOWEVER, ALL CHEM FAB ELEVATORS, REGARDLESS OF THE DATE OF INSTALLATION, WILL BE REMOVED FROM SERVICE NLT 15 OCT 2000.

### Supply/Parts and Disposition

#### NOTE

ALL REQUISITIONS (PREVIOUSLY) SUBMITTED AS A RESULT OF UH-1-98-ASAM-02 SHALL BE RE-EVALUATED BY THE SUBMITTING ORGANIZATION AND CANCELLED IF NECESSARY.

- A. PARTS REQUIRED - ITEMS CITED IN PARAGRAPH 6 MAY BE REQUIRED TO REPLACE DEFECTIVE ITEMS.
- B. REQUISITIONING INSTRUCTIONS - N/A.
- C. BULK AND CONSUMABLE MATERIALS - N/A.
- D. DISPOSITION - DEMILITARIZE/MUTILATE IAW TM 1-1500-328-23 ANY PART/COMPONENT REMOVED AT 3,600 HOUR RETIREMENT LIFE OR ON 15 OCTOBER 2000, WHICHEVER OCCURS FIRST.

### Special Tools and Fixtures Required

- N/A.

### Application

- A. CATEGORY OF MAINTENANCE - AVUM. AIRCRAFT DOWNTIME WILL BE CHARGED TO AVUM MAINTENANCE.
- B. ESTIMATED TIME REQUIRED -
  - (1) TOTAL OF 0.5 MAN-HOURS USING 1 PERSON.
  - (2) TOTAL OF 0.5 HOURS DOWNTIME FOR ONE END ITEM.
- C. ESTIMATED COST IMPACT TO THE FIELD -
 

NOMENCLATURE	PART NO./NSN	QTY	COST EA.	TOTAL \$
ELEVATOR ASSY, L/H	205-030-856-19			
ELEVATOR ASSY, R/H	1560-00-996-3906	1	\$610.11	\$ 610.11
ELEVATOR ASSY, R/H	205-030-856-21			
ELEVATOR ASSY, R/H	1560-00-996-3905	1	\$610.04	\$ 610.04
TOTAL COST PER AIRCRAFT =				\$1,221.14
- D. TB/MWOS TO BE APPLIED PRIOR TO OR CONCURRENTLY WITH THIS INSPECTION - N/A.
- 13. PUBLICATIONS WHICH REQUIRE CHANGE AS A RESULT OF THIS INSPECTION - N/A.

### Recording and Reporting Requirements

- A. REPORTING COMPLIANCE SUSPENSE DATE (AIRCRAFT) - UPON ENTERING REQUIREMENTS OF THIS MESSAGE ON DA FORM 2408-13-1 ON ALL SUBJECT MDS AIRCRAFT, FORWARD A PRIORITY MESSAGE, DATAFAX OR E-MAIL TO CDR, AMCOM, ATTN: AMSAM-SF-A (SOP COMPLIANCE OFFICER), REDSTONE ARSENAL, AL 35898-5222, 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 MESSAGE 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) - N/A.
- C. REPORTING MESSAGE RECEIPT (SPARES) -
  - (1) MATERIEL IN WHOLESALE DEPOT STORAGE - N/A.