Flight Safety Message: uhI/9802.asm

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Subject

AVIATION SAFETY ACTION MESSAGE, MAINTENANCE MANDATORY,

RCS CSGLD-186D(R1), ALL UH-1 H/V AIRCRAFT, MANDATORY INSPECTION AND REMOVAL OF ELEVATOR ASSEMBLIES, UH-1-98-ASAM-02 [TB 1-1520-210-20-37].

NOTE - THIS IS AN AVIATION SAFETY ACTION MESSAGE ISSUED IAM 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

ELKMENTS AFFECTED OR CONCERNED. THE RETRANSMITTAL SHALL
REFERENCE THE MESSAGE. ACTION ADDRESSES WILL IMMEDIATELY VERIFY
THIS TRANSMISSION TO CDR, AMCOM, ATTN: AMAM-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 ///.
B. AIRCRAFT IN DEPOT MAINTENANCE - AIRCRAFT WILL NOT BE
ISSUED UNTIL COMPLIANCE WITH THIS ASAM HAS BEEN COMPLETED.
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.
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 PARAGRAPH 6 SHALL BE ANNOTATED TO READ "UH-1-98-ASAM-02,
   MANDATORY INSPECTION AND REMOVAL OF ELEVATOR ASSEMBLIES NOT
   COMPLIED WITH"
   (1) WHOLESALE STOCK - N/A.
   (2) RETAIL STOCK - 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 PARAGRAPHS 8 AND THE CORRECTION
   PROCEDURES OF PARAGRAPH 9 ON DISCREPANT MATERIAL. DISPOSITION OF
   DISCREPANT MATERIAL WILL BE IAM PARAGRAPH 10. REPORT COMPLIANCE
   WITH THIS MESSAGE IAM PARAGRAPH 14A.
   G. COMPONENTS/PARTS IN WORK (DEPOT LEVEL AND OTHERS) - N/A.

Task/Inspection Suspense Date
- WITHIN NEXT 10 FLIGHT HOURS

OR 15 DAYS, WHICHER OCCURS FIRST.

Reporting Compliance Suspense Date
- NO LATER THAN 11 DEC 97

IAM PARA 14A OF THIS MESSAGE.

Summary of Problem

A. INSPECTION OF UH-1 ELEVATORS, MANUFACTURED BY CHEM FAB
   CORPORATION, RESULTED IN THE DISCOVERY OF ABRASIONS ON THE
   ELEVATOR SPAR. THESE ABRASIONS WERE LIKELY CAUSED BY A DRILLING
   OPERATION USED IN ATTACHING THE SKIN TO THE RIBS DURING ASSEMBLY
   OF THE ELEVATOR. ALL CHEM FAB ELEVATORS ARE SUSPECT. THE SPAR
   IS THE FATIGUE SENSITIVE COMPONENT ON WHICH THE 3600 HOUR
   ELEVATOR LIFE IS BASED. THESE ABRASIONS CAN CAUSE STRESS
   CONCENTRATION POINTS WHICH CAN REDUCE FATIGUE LIFE. IN ORDER TO
   REDUCE THE CHANCE OF PREMATURE FAILURE, ALL CHEM FAB ELEVATORS

http://www.redstone.army.mil/cgi-bin/atcom1.sh?uh1/9802.asm

07/12/2000
SHALL BE REMOVED FROM SERVICE NO LATER THAN 365 DAYS FROM THE DATE OF INSPECTION, TO FACILITATE PROCUREMENT OF AN ADEQUATE NUMBER REPLACEMENT ELEVATORS, A MANDATORY REPORTING OF ALL ELEVATOR SERIAL NUMBERS AND OPERATING TIMES IS REQUIRED.
B. FOR MANPOWER/DOWNTIME AND FUNDING IMPACTS SEE PARA 12.
C. THE PURPOSE OF THIS MESSAGE IS TO REQUIRE MANDATORY REMOVAL OF ELEVATORS MANUFACTURED BY CHEM FAB CORPORATION SERVICE WHEN THEY REACH THEIR 3600 HOUR RETIREMENT LIFE BUT NO LATER THAN 365 CALENDAR DAYS FROM THE DATE OF THE INSPECTION AND TO REQUIRE REPORTING OF SERIAL NUMBERS AND OPERATING TIMES ON ALL UH-1 ELEVATORS.

End Items To Be Inspected
- ALL UH-1B/V AIRCRAFT.

Assembly Components to be Inspected

<table>
<thead>
<tr>
<th>NOMENCLATURE</th>
<th>PART NO.</th>
<th>NSN</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELEVATOR ASSEMBLY, L/H</td>
<td>205-030-856-19</td>
<td>1560-00-996-3906</td>
</tr>
<tr>
<td>ELEVATOR ASSEMBLY, R/H</td>
<td>205-030-856-21</td>
<td>1560-00-996-3905</td>
</tr>
</tbody>
</table>

Parts to be Inspected
- N/A.

Inspection Procedures
A. GAIN ACCESS TO THE ELEVATOR ASSEMBLY.
B. 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.
D. FOR ELEVATORS IN STOCK, IDENTIFY AND RECORD THE SERIAL NUMBER. VERIFY THE SERIAL NUMBER USING THE COMPONENT DA FORM 2410 AND RECORD THE TSN.

Correction Procedures
A. FOR ELEVATOR ASSEMBLIES WITH A "CF" SERIAL NUMBER PREFIX, ADDITIONAL AIRCRAFT RECORDS TO REQUIRE THE ELEVATOR TO BE REMOVED FROM SERVICE WHEN THEY REACH THEIR 3600 HOUR RETIREMENT LIFE BUT NO LATER THAN 365 CALENDAR DAYS FROM THE DATE OF THE INSPECTION.
B. SUBMIT ALL ELEVATOR ASSEMBLY SERIAL NUMBERS (REGARDLESS OF SERIAL NUMBER PREFIX), TSN INFORMATION, AND AIRCRAFT SERIAL NUMBER (IF APPLICABLE) TO THE LOGISTICAL POC LISTED IN PARAGRAPH 1681W INSTRUCTIONS OF PARA 14B.

Supply/Parts and Disposition
A. PARTS REQUIRED - N/A.
B. REQUISITIONING INSTRUCTIONS - N/A.
C. BULK AND CONSUMABLE MATERIALS - N/A.
D. DISPOSITION - DEMILITARIZE/NULLIFICATE ANY PART/COMPONENT WHICH DOES NOT MEET INSPECTION CRITERIA AND DISPOSE OF REMOVED PART/COMPONENT USING NORMAL SUPPLY PROCEDURES.
E. DISPOSITION OF HAZARDOUS MATERIAL - N/A.

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 - N/A.
D. TB/MWO'S 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.

References
- 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 MODELS AIRCRAFT, FORWARD A PRIORITY MESSAGE, DATAFAX OR E-MAIL TO CDI, AMCOM, ATTN: AMSAM-SFA (SOF COMPLIANCE OFFICER), REDSTONE ARSENAL, AL 35898-5222, IAW AR 95-1. DATAFAX NUMBER IS DSN 897-2111 OR (205) 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) - UPON COMPLETION OF INSPECTION, UNITS WILL FORWARD A PRIORITY MESSAGE TO: COMMANDER, AMCOM, ATTN: AMCMM-USA-ON-U. THE REPORT WILL CITE THIS MESSAGE NUMBER, DATE OF INSPECTION, THE AIRCRAFT SERIAL NUMBER, AND THE RESULTS OF THE INSPECTION. REPORTS WILL BE COMPLETED NO LATER THAN 5 DAYS AFTER TASK/INSPECTION SUSPENSE DATE.
C. REPORTING MESSAGE RECEIPT (SPARES) MATERIEL IN WHOLESALE DEPOT STORAGE AND MATERIEL IN RETAIL STORAGE - N/A.
D. TASK/INSPECTION REPORTING SUSPENSE DATE (SPARES) MATERIEL IN WHOLESALE DEPOT STORAGE AND MATERIEL IN RETAIL STORAGE - N/A.
E. THE FOLLOWING FORMS ARE APPLICABLE AND ARE TO BE COMPLETED IAW DA PAM 738-751, 15 JUN 92 -
   (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