
Subject

AVIATION SAFETY ACTION MESSAGE, MAINTENANCE MANDATORY,

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

http://www.redstone.army.mil/cgi-bin/atcom1.sh?uh1/9901.asm

07/12/2000
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
ELEMSNTS AFFECTED OR CONCERNED. THE RETRANSMITTAL SHALL
REFERENCE THE MESSAGE. ACTION ADDRESSES WILL IMMEDIATELY VERIFY
THIS TRANSMISSION TO CDN, AMCOM, ATTN: AMSAM-3P-A (SOF
COMPLIANCE OFFICE).

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 BAR ///. THE RED HORIZONTAL BAR /// 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 - SAME AS PARA 1A.

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

D. AIRCRAFT IN TRANSIT -
(1) FERRY STATUS -
(2) SAME AS PARA 1A.
(3) 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. COMPTNT/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 & 9 WILL BE ANNOTATED TO READ "UH-1 99-ASAM-01
(IB 1-1520-21G 0-42) NOT COMPLIED WITH".
(1) MILITARY STOCK - N/A.
(2) MILITARY STOCK - REPORT RECEIPT OF THIS MESSAGE IAW
PARA 14C(2). UPON RECEIPT OF THIS MESSAGE COMMANDERS AND
OHERS 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 10. DISCREPANT MATERIAL WILL IAW PARAGRAPH 10.
REPORT COMPLIANCE WITH THIS
MESSAGE IAW PARAGRAPH 14D(2).
G. COMPTNT/PARTS IN WORK (DEPOT LEVEL AND OTHERS) - SAME
AS PARAGRAPH 1.

Task/Inspection Suspense Date
- WITHIN NEXT 10 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
ABRASSIONS 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 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 IN
THE TECHNICAL DATA PACKAGE. ALL ELEVATORS MANUFACTURED BY CHEM
FAB CORPORATION SHALL BE REMOVED FROM SERVICE UNTIL REACHING THE
RETIREMENT LIFE OF 3,600 FLIGHT HOURS OR NO LATER THAN 15 OCTOBER
2000, WHICHEVER OCCURS FIRST.

B. FOR MANPOWER/DOWN TIME 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 UNTIL 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

<table>
<thead>
<tr>
<th>Nomenclature</th>
<th>Part No.</th>
<th>NSN</th>
</tr>
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<tbody>
<tr>
<td>ELEVATOR Assy, L/H</td>
<td>205-030-856-19</td>
<td>1560-00-996-3906</td>
</tr>
<tr>
<td>ELEVATOR Assy, R/H</td>
<td>205-030-856-21</td>
<td>1560-00-996-3905</td>
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</tbody>
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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 OF THE
INBOARD END OF THE ELEVATOR.
C. FOR ELEVATORS WITH A "CF" SERIAL NUMBER PREFIX, PROCEED
WITH THE CORRECTION PROCEDURES IN PARAGRAPH 9A.
D. FOR ELEVATORS THAT DO NOT HAVE A "CF" SERIAL NUMBER
PREFIX THE INSPECTION IS COMPLETE.

Correction Procedures

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

NOTE

http://www.redstone.army.mil/cgi-bin/atcom1.sh?uhl/9901.asm
07/12/2000
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 NL7 15 OCT 2000.

Supply/Parts and Disposition

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

A. PARTS REQUIRED - ITEMS CITED IN PARAGRAPHS 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, 205-030-856-19 L/H 1560-00-996-3906 1 $610.11 $610.11
ELEVATOR ASSY, 205-030-856-21 L/H 1560-00-996-3905 1 $610.04 $610.04

D. TB/NSQS 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 MDL AIRCRAFT, FORWARD A PRIORITY MESSAGE, DATAXFAX OR E-MAIL TO CRR, ARCOM, ATTN: AMSAM-SP-ACR (SOF COMPLIANCE OFFICER), REDSTONE ARSENAL, AL 35898-5222, IAW AR 95-1. DATAXFAX 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) MATIERIEL IN WHOLESALE DEPOT STORAGE - N/A.