SUBJECT - AVIATION SAFETY ACTION MESSAGE, MAINTENANCE MANDATORY, RCS CSGLD-1860(R1), ALL UH-1H/V AIRCRAFT, ONE TIME INSPECTION FOR CRASHWORTHY AUXILIARY FUEL TANK PROVISIONS (UH-1-93-ASAM-01) (TB 1-1520-210-20-20)

NOTE:
- THIS IS AN AVIATION SAFETY ACTION MESSAGE ISSUED PER AR 95-3, CHAPTER 5 REVISION VIA MESSAGE HQ AVSCOM, ANSAR/EXOF, 181900Z SEP 90. SUBJECT: CHANGE TO AR 95-3, CHAPTER 5, SAFETY OF FLIGHT MESSAGES. 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 ADDRESSES WILL IMMEDIATELY VERIFY THIS RETRANSMISSION TO COMMANDER, ATCOM, ATTN - ANSAT-C-XS (SOF COMPLIANCE OFFICER).

1. 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 BELOW 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 - AIRCRAFT WILL NOT BE RELEASED UNTIL COMPLIANCE WITH THIS ASAM MESSAGE HAS BEEN COMPLETED.
C. AIRCRAFT UNDERGOING MAINTENANCE - SAME AS PARA 1B.
D. AIRCRAFT IN TRANSIT -
   (1) SURFACE/AIR SHIPMENT - PRIOR TO FIRST FLIGHT.
   (2) FERRY STATUS - INSPECT AT FINAL DESTINATION.
E. MAINTENANCE TRAINERS - N/A.
F. COMPONENTS IN STOCK INCLUDING WAR RESERVES AT ALL LEVELS -N/A.

2. TASK/INSPECTION SUSPENSE DATE - WITHIN 50 DAYS FROM THE DATE OF THIS MESSAGE OR 50 FLIGHT HOURS WHICHEVER COMES FIRST.

3. REPORTING COMPLIANCE SUSPENSE DATE - N/A.

4. SUMMARY OF PROBLEM -
A. CRASHWORTHY PROVISIONS FOR 300 GALLON INTERNAL AUXILIARY FUEL TANKS WERE AUTHORIZED FOR CERTAIN SERIAL NUMBERED UH-1 AIRCRAFT BY MODIFICATION WORK ORDER (MWO) 55-1520-210-30-42 DATED 17 OCT 79.
B. ALL OF THE AIRCRAFT LISTED IN THE MWO WERE NOT MODIFIED DUE TO A SHORTAGE OF MWO KITS.
C. SOME AIRCRAFT RECORDS INDICATE THAT THE MWO HAS BEEN APPLIED, WHEN IN FACT, THEY DO NOT HAVE THE CRASHWORTHY PROVISIONS INSTALLED.
D. THE USE OF AUXILIARY INTERNAL TANKS HAS GROWN WITHIN THE UH-1 FLEET RESULTING IN THEIR INSTALLATION ON AIRCRAFT THAT HAVE NOT BEEN MODIFIED WITH THE CRASHWORTHY PROVISIONS.
E. INSTALLATION OF THE INTERNAL AUXILIARY CRASHWORTHY FUEL TANKS IN AIRCRAFT THAT ARE NOT MODIFIED WITH THE CRASHWORTHY PROVISIONS COMPROMISES THE INTEGRITY OF THE CRASHWORTHY SYSTEM AND IS NOT AUTHORIZED.
F. FOR MANPOWER/DOWNTIME AND FUNDING IMPACTS SEE PARA 12.
G. THE PURPOSE OF THIS MESSAGE IS -
1. TO REQUIRE A ONE TIME INSPECTION FOR THE INSTALLATION OF THE CRASHWORTHY AUXILIARY FUEL TANK PROVISIONS AND REPORT THE RESULTS OF THAT INSPECTION.
2. TO PROVIDE INSPECTION PROCEDURES USED TO VERIFY THE INSTALLATION OF THE CRASHWORTHY AUXILIARY FUEL TANK PROVISIONS.
3. TO RESTRICT THE USE OF AUXILIARY FUEL TANKS TO THOSE AIRCRAFT WHICH HAVE BEEN MODIFIED TO THE CRASHWORTHY CONFIGURATION.
4. END ITEMS TO BE INSPECTED - ALL UH-1H/V AIRCRAFT
5. ASSEMBLY COMPONENTS TO BE INSPECTED - N/A
6. PARTS TO BE INSPECTED - N/A.

8. INSPECTION PROCEDURES -
A. LOCATE ACCESS DOORS (TM 55-1520-210-23P-1, FIGURE 64, ITEM 12 AND FIGURE 66, ITEM 10) ON UNDERNEATH SIDE OF HELICOPTER FUSELAGE.
B. REMOVE DOOR ATTACHMENT HARDWARE AND REMOVE DOORS FROM AIRCRAFT.
C. WARNING
THE INSPECTION FOR FLEXIBLE HOSES WAS CHOSEN FOR EASE IN DETERMINING MWO APPLICATION ONLY. APPLICATION OF THE MWO INVOLVES OTHER HARDWARE CHANGES. CHANGING TO FLEXIBLE HOSES ALONE DOES NOT CONSTITUTE COMPLIANCE WITH THE MWO AND IS NOT AUTHORIZED.
D. USE A FLASHLIGHT, IF NECESSARY, TO INSPECT THE INTERIOR OF THE FUSELAGE. LOCATE THE FUEL LINES RUNNING FROM THE MAIN FUEL TANK SYSTEM TO THE AUXILIARY FUEL TANK ATTACHMENT FITTINGS MOUNTED ON THE FLOOR OF THE CARGO COMPARTMENT.
E. IDENTIFY WHETHER THESE FUEL LINES ARE RIGID METALLIC LINES OR FLEXIBLE RUBBER LINES.
F. IF FLEXIBLE RUBBER LINES ARE INSTALLED, THE CRASHWORTHY AUXILIARY FUEL TANK PROVISIONS ARE INSTALLED AND THE AIRCRAFT IS CLEARED FOR OPERATION WITH THE AUXILIARY FUEL TANKS.

9. CORRECTION PROCEDURES -
A. IF RIGID METALLIC LINES ARE INSTALLED, THE CRASHWORTHY AUXILIARY FUEL TANK PROVISIONS HAVE NOT BEEN INSTALLED AND THE AIRCRAFT IS NOT AUTHORIZED TO OPERATE USING THE AUXILIARY FUEL TANKS.
B. CHECK DA FORM 2408-5 (EQUIPMENT MODIFICATION) FOR MWO RECORDED AS APPLIED. IF DETERMINED THAT MWO IS NOT APPLIED, DRAW A SINGLE LINE THROUGH ENTRY IAM 738-751, PG 184, PARA 4.-4, C.4)(D).
C. REPORT FINDINGS OF THIS INSPECTION PER PARAGRAPH 14B.
D. REPLACE DOORS REMOVED IN PARAGRAPH 8A.

10. SUPPLY/PARTS AND DISPOSITION - N/A.
11. SPECIAL TOOLS, JIGS AND FIXTURES REQUIRED - N/A.
12. APPLICATION -
A. CATEGORY OF MAINTENANCE - AVUM. AIRCRAFT DOWNTIME WILL BE CHARGED TO AVUM.
B. TIME REQUIRED -
(1) TOTAL OF .5 MANHOURS USING 1 PERSON.
(2) TOTAL OF .5 HOURS DOWNTIME FOR ONE END ITEM.
C. ESTIMATED COST IMPACT OF STOCK FUND ITEMS TO THE FIELD - N/A.
D. TB/MWOS TO BE APPLIED PRIOR TO OR CONCURRENTLY WITH THIS INSPECTION - N/A.
13. REFERENCES -
A. TM 55-1520-210-23P-1, DTD 27 FEB 81, THRU CHG 25 DTD 30 APR 92.
B. TM 55-1520-210-10, DTD 15 FEB 88, THRU CHG 10 DTD 18 APR 91.
14. RECORDING AND REPORTING REQUIREMENTS -
A. REPORTING COMPLIANCE SUSPENSE DATE (AIRCRAFT) - N/A.
B. TASK/INSPECTION REPORTING SUSPENSE DATE (AIRCRAFT) - UPON
COMPLETION OF INSPECTION, UNITS WILL FORWARD A PRIORITY MESSAGE TO THEIR
MACOM POINT OF CONTACT LISTED IN PARA 16C. THE REPORT WILL CITE THIS TB,
THE UNIT POINT OF CONTACT, UNIT LOCATION, AIRCRAFT
MODEL, AIRCRAFT SERIAL NUMBER AND RESULTS OF THE INSPECTION. INSPECTION
AND REPORTS WILL BE COMPLETED NO LATER THAN 10 DAYS AFTER TASK/INSPECTION
SUSPENSE DATE. MACOM WILL PROVIDE A CONSOLIDATED RESPONSE TO POC IN PARA
16B NLT 20 DAYS AFTER TASK/SUSPENSE DATE.
C. REPORTING COMPLIANCE SUSPENSE DATE (SPARES) - N/A.
D. TASK/INSPECTION REPORTING SUSPENSE DATE (SPARES) - N/A.
E. THE FOLLOWING FORMS ARE APPLICABLE AND ARE TO BE COMPLETED
IN ACCORDANCE WITH DA FAM 738-751, 15 JUN 92 -
(1) DA FORM 2408-5, EQUIPMENT MODIFICATION RECORD.
(2) DA FORM 2408-13, AIRCRAFT STATUS INFORMATION RECORD.
(3) DA FORM 2408-13-1, AIRCRAFT INSPECTION AND MAINTENANCE
RECORD.
(4) DA FORM 2408-15, HISTORICAL RECORD FOR AIRCRAFT.
15. WEIGHT AND BALANCE - N/A.
16. POINTS OF CONTACT -
A. TECHNICAL POINT OF CONTACT FOR THIS MESSAGE IS MR. FRED KERSHAW,
AMSAT-R-ECM, DSN 693-1683 OR COMMERCIAL 314/263-1683.
B. LOGISTICAL POINT OF CONTACT FOR THIS MESSAGE IS MR. CHARLIE
C. MACOM POINTS OF CONTACT FOR TASK/INSPECTION REPORTING:
AMC
JOHN SAVELLI 284-9891
FORSCOM
DWAYNE RAYMER 367-7274
MDW
CPT MILLER 354-4583
NGB
DON BOWES 584-1742
TRADOC
MSG LEWIS 680-3246
USAREUR
PHIL ASSAF COMM. 011-49-6332-86-6628
USARSO
LTC ELLIS COMM. 011-507-87-6607
USARCAC
CW4 HEATH 438-9892
USAIC JOHN FERGUSON 879-2842
KOREA MSG JAMES 723-4428
RESERVES
MONTE MCDONALD 572-4360
MFO
SOAIR/SGAVSM COMM. 011-972-3-561-5773 EXT.2831
SDC
MAJOR KEIL 254-2140
INSCOM
CAPT WHITE 229-2169
D. FORMS AND RECORDS POINT OF CONTACT FOR THIS MESSAGE IS MR.
WILLIAM WALDROP/JOHN ZUBER, AMSAT-I-MDM, DSN 693-1821/1955 OR COMMERCIAL
E. SAFETY POINT OF CONTACT FOR THIS MESSAGE IS MS. TERESIE MCGREW,
AMSAT-C-XX, DSN 693-2285/2085 OR COMMERCIAL 314/263-2285/2085.
F. FOREIGN MILITARY SALES (FMS) RECIPIENTS REQUIRING CLARIFICATION
OF ACTION ADVISED BY THIS MESSAGE SHOULD CONTACT MW4 JAY NANCE/MR. RON
VAN REES, AMSAT-I, DSN 693-3826 OR COMMERCIAL 314/263-3826.
G. AFTER HOURS CONTACT ATCOM COMMAND OPERATIONS CENTER (COC) DSN
693-2066/7 OR COMMERCIAL 314/263-2066/7.