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UH-1-93-ASAM-03
 ODDS *sgt*

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SYNOPSIS UH-1-93-ASAM-03 AVIATION SAFETY ACTION MESSAGE, MAINTENANCE MANDATORY, ALL UH-1H/V SERIES AIRCRAFT, OIL DEBRIS DETECTION SYSTEM MODIFICATION TO CAUTION PANEL, (TB 1-1520-242-30-5). 241700Z MAY 93, BRAD MEYER, AMSAT-C-XS, X2085. FROM :CDRATCOM ST LOUIS MO //AMSAT-C-XS// TO :AIG 6713 :AIG 9004 :AIG 9042 :AIG 8708 :AIG 7515 :DCM APMO OZARK AL //DCMDS-RCQA// :AMEMBASSY BOGOTA CO //NAS/MLO// :NOAA OFFICE OF AIRCRAFT OPERATIONS MIAMI FL :ASF42 81ST ARCOM DOBBINS AFB GA :CDR4THBN228THAVN SOTO CANO HO //AVN-AMO// :102DARMY SCOTT AFB IL //AFKB-AC-CJ-ASF// :AMEMBASSY ROME IT //ODC/PASS TO HQ MFO// :USDAO MEXICO CITY MX //MLO/NAS// :DIRAAOD HOLLOWAN AFB NM //STEW-AA/GE GS// :CDRAMCCOM PICATINNY ARSENAL NJ //AMSMC-AV-D// :JOHNSON CONWORLDSVCINC KWAJALEIN NQ //PAR2// :AFSAC FLO WRIGHT PATTERSON AFB OH //KS/SN/SP/VE// :USCS CNAC OKLAHOMA CITY OK //AMI// :FORCE COMMANDER SINAI MFO HQ IL TELEX 606342535 //PASS TO SSO AVSM/SO AIR// :USLOT TUNIS TS //AIR FORCE SECTION// :USDOCO LANDSOUTHEAST IZMIR TU //AV// :DPRO BELL HELICOPTER FORT WORTH TX //DCMDS-RBQ/RBDF// :CDROSAC FT BELVOIR VA //ANAV-OS/ANAV-RW-M/ANAV-CR// :WALLOPS FLIGHT FACILITY NASA WALLOPS ISLAND VA //CODE 831.2 AIRCRAFT QA// INFO :ARS MCCLELLAN AFB CA //LGM// :CDRUSASDC WASHINGTON DC //CSSD-ZA// :SEC STATE WASHINGTON DC //NEA/MFO// :US CUSTOMS SERVICE WASHINGTON DC //AVIATION :OPERATIONS// :AFSOC HURLBURT FIELD FL //LGMW// :NAVAIRSYSCOM DET PMA PENSACOLA FL //PMA225// :NAVAVNDEPOT PENSACOLA FL //310B// :WR-ALC ROBINS AFB GA //LUHA// :HQ AMC SCOTT AFB IL //LG/DO/DOV/SE/DOT/LGM/DOX// :CDR FT BRAGG NC //AFZA-GT-OM// :CDR HQ 1ST COSCOM FT BRAGG NC //LOGOPS AVN SECT :AFVH-DC-L// :CDR WHITE SANDS MISSILE RANGE NM //STEW-AA// :DISC PHILADELPHIA PA //QEBB-JU// :CDR LSE AVIATION IZMIR TU //LSE// :HQ ACC LANGLEY AFB VA //DOH/LGRC// :PMSW VHFS WARRENTON VA //SFAE-IW-SG// XMT :USDAO DHAKA BG :USDAO RANGOON BM :USDAO COLUMBO CE :USDAO SUVA FJ :DSA NEW DELHI IN :USDAO ROME IT :USDAO ANTANANARIVO MA :SAO KUALA LUMPUR MY :USDAO KATMANDU

NP //SAO// :CDRATCOM ST LOUIS MO //AMSAT-C-XS// ACCT :ZEXW TEXT

Subject

AVIATION SAFETY ACTION MESSAGE, MAINTENANCE MANDATORY, RCS

CSGLD-1860(R1), ALL UH-1H/V SERIES AIRCRAFT, OIL DEBRIS DETECTION SYSTEM MODIFICATION TO CAUTION PANEL (UH-1-93-ASAM-03) (TB 1-1520-242-30-5)

NOTE - THIS IS AN AVIATION SAFETY ACTION MESSAGE ISSUED PER AR 95-3, CHAPTER 5 REVISION VIA MESSAGE HQ AVSCOM, AMSAV-XSOP, 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 ADDRESSEES WILL IMMEDIATELY VERIFY THIS RETRANSMISSION TO COMMANDER, ATCOM, ATTN - AMSAT-C-XS (SOP 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 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 ISSUED UNTIL COMPLIANCE WITH THIS ASAM HAS BEEN COMPLETED.

C. AIRCRAFT UNDERGOING MAINTENANCE - AIRCRAFT WILL NOT BE RELEASED UNTIL COMPLIANCE WITH THIS ASAM MESSAGE HAS BEEN COMPLETED.

D. AIRCRAFT IN TRANSIT -

(1) SURFACE/AIR SHIPMENT - PRIOR TO FIRST FLIGHT.

(2) FERRY STATUS - INSPECT AT FINAL DESTINATION.

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

F. COMPONENT/PARTS IN STOCK INCLUDING WAR RESERVES AT ALL LEVELS (DEPOT AND OTHERS) - N/A.

Task/Inspection Suspense Date

- WITHIN 60 HOURS/60 DAYS,

WHICHEVER OCCURS FIRST.

Reporting Compliance Suspense Date

- REPORT COMPLIANCE TO

COMMANDER, ATCOM, ATTN: AMSAT-C-XS NO LATER THAN 15 JUN 93 PER PARA 14A OF THIS MESSAGE.

Summary of Problem

A. SEVERAL INCIDENTS HAVE OCCURRED WHERE THE OIL DEBRIS DETECTION SYSTEM (ODDS) HAS DAMAGED A CIRCUIT CARD ON SEVERAL VERSIONS OF THE UH-1 CAUTION PANEL. THIS INCIDENT OCCURS WHEN THE

CAUTION PANEL PRESS-TO-TEST SWITCH IS ACTIVATED WHILE THE ODDS POWER MODULE IS HOLDING A CHARGE. THE CAUTION PANEL REQUIRES REPAIR PRIOR TO FLIGHT AND THEREFORE DELAYS THE MISSION.

B. THE PURPOSE OF THIS MESSAGE IS TO DIRECT INSTALLATION OF DIODES IN THE CAUTION PANEL WIRING TO PROTECT THE CAUTION PANEL FROM THE ODDS POWER MODULE VOLTAGE SURGES.

End Items To Be Inspected

- ALL UH-1H/V SERIES AIRCRAFT.

Assembly Components to be Inspected

- N/A.

7. PARTS TO BE AFFECTED - SEE PARA 9.

Inspection Procedures

A. CORRECT AIRCRAFT WITH THE ODDS MODIFICATION, MWO 1-1520-242-50-2 IAW PARA 9.

B. AIRCRAFT WITHOUT ODDS MODIFICATION, MWO 1-1520-242-50-2, REQUIRE NO FURTHER ACTION AND INSPECTION IS COMPLETE.

Correction Procedures

CAUTION

ASSURE THAT A FOD PREVENTION PROGRAM IS BEING IMPLEMENTED WHEN PERFORMING THE FOLLOWING PROCEDURES IAW AR 385-95.

A. REMOVE PEDESTAL ACCESS PANEL, COPILOT SEAT, CAUTION PANEL AND HYDRAULIC CONTROL PANELS FROM PEDESTAL TO ACCESS WIRING BENEATH.

B. MODIFY MS27212-1-20 (NSN 5940-00-950-1610) TERMINAL BOARD (TB) TO 4 STUDS WITH MOUNTING CAPABILITY EXTERNAL TO OUTERMOST STUDS.

C. NEW TB WILL BE LOCATED EXTERNAL AND FORWARD RIGHT SIDE OF PEDESTAL FRONT PANEL. FIGURES WILL BE PROVIDED TO REGIONAL ATCOM LARS TO ILLUSTRATE THIS MODIFICATION.

CAUTION

DO NOT DAMAGE ADJACENT WIRE BUNDLES.

D. DRILL TWO NUMBER 30 MOUNTING HOLES (THE FIRST LOCATED 6.60 INCHES FROM TOP OF PANEL .85 INCHES IN FROM RIGHT SIDE PANEL AND THE SECOND LOCATED 2.375 INCHES BELOW FIRST HOLE AND .50 INCHES IN FROM RIGHT SIDE PANEL (SEE ILLUSTRATION FROM ATCOM LAR). DEBURR HOLES.

E. IDENTIFY WIRE W17B20 AND WIRE W16B20 ON CAUTION PANEL CONNECTOR. CUT WIRE W16B20 BETWEEN CAUTION PANEL CABLE CONNECTOR AND PREVIOUSLY INSTALLED WIRE SPLICE FROM THE ODDS INSTALLATION. CUT WIRE W17B20 WITHIN 6 INCHES OF CAUTION PANEL CABLE CONNECTOR.

F. SPLICE (MS1824/1-2) NEW 20 GAUGE WIRE APPROXIMATELY 12 INCHES LONG INTO THE W16B20 WIRE WHICH IS STILL ATTACHED TO THE CAUTION PANEL CONNECTOR. CRIMP ANODE SIDE OF 1N4004 DIODE (NSN 5961-00-914-6005) AT TERMINAL END OF NEW WIRE WITH MS250-36-102 TERMINAL LUGS. SPLICE NEW 20 GAUGE WIRE APPROXIMATELY 12 INCHES IN LENGTH TO W16B120 WIRE WHICH IS NOT CONNECTED TO THE CAUTION PANEL CONNECTOR. CRIMP MS250-36-102 TERMINAL LUG TO CATHODE END OF 1N4004 DIODE (DENOTED BY BAND AROUND CASING) WITH RETURN LINE.

G. SPLICE (MS1824/1-2) NEW 20 GAUGE WIRE APPROXIMATELY 12 INCHES LONG INTO THE W17B20 WIRE WHICH IS STILL ATTACHED TO THE CAUTION PANEL CONNECTOR. CRIMP ANODE SIDE OF 1N4004 DIODE AT TERMINAL END OF NEW WIRE WITH MS250-36-102 TERMINAL LUGS. SPLICE

NEW 20 GAUGE WIRE APPROXIMATELY 12 INCHES IN LENGTH TO W17B20 WIRE WHICH IS NOT CONNECTED TO THE CAUTION PANEL CONNECTOR. CRIMP MS250-36-102 TERMINAL LUG TO CATHODE END OF 1M4004 DIODE (DEMOTED BY BAND AROUND CASING) WITH RETURN LINE.

H. ATTACH DIODES TO TB WITH AN960C6 WASHERS AND MS21042-06 NUTS. REFER TO ILLUSTRATION PROVIDED TO LARS.

I. ATTACH TB TO PEDESTAL PANEL WITH MS35206-215 PAN HEAD SCREWS AND NAS679A04 NUTS. IF DESIRED, -216 OR -217 PAN HEAD SCREWS MAY BE USED.

J. ATTACH MS18029-11S COVER TO TB AND IDENTIFY AS TB 50.

K. REINSTALL HYDRAULIC CONTROL PANEL, CAUTION PANEL, COPILOT SEAT AND ACCESS PANEL.

Supply/Parts and Disposition

A. PARTS REQUIRED - ITEMS CITED IN PARA 10C WILL BE REQUIRED TO REPLACE DEFECTIVE ITEMS.

B. REQUISITIONING INSTRUCTIONS - REQUISITION REPLACEMENT PARTS THROUGH NORMAL SUPPLY CHANNELS USING NORMAL SUPPLY PROCEDURES.

C. BULK AND CONSUMABLE MATERIALS -

NOMENCLATURE	PART NUMBER	NSN	CAGE
TERMINAL BOARD	MS27212/1-20	5940-00-950-1610	96909
WIRE, 20 GAUGE(A)	MS22759/34-20-9	6145-01-195-3394	81349
DIODE	1M4004	5961-00-914-6005	80131
TERMINAL LUG(A)	MS250-36-102	5940-00-204-8966	96906
WASHERS(A)	AN960C6	5310-01-335-5382	55974
NUTS(A)	MS21042-06	5310-00-807-1465	96906
NUTS(A)	NAS679A04	5310-00-791-8429	80205
SCREW(A)	MS35206-215	5305-00-889-2997	96906
COVER, TERMINAL BOARD(A)	MS18029-11S	5940-00-842-4642	96906

(A) - SIMILAR ITEMS IN BENCH STOCK MAY BE USED.

D. DISPOSITION - N/A.

E. DISPOSITION OF HAZARDOUS MATERIAL - N/A.

11. SPECIAL TOOLS, JIGS AND FIXTURES REQUIRED - N/A.

Application

A. CATEGORY OF MAINTENANCE - AVIM. AIRCRAFT DOWNTIME WILL BE CHARGED TO AVIM.

B. TIME REQUIRED -

(1) TOTAL OF 8 MANHOURS USING 2 PERSONS.

(2) TOTAL OF 4 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.

E. PUBLICATIONS WHICH REQUIRE CHANGE AS A RESULT OF THIS INSPECTION - MWO 1-1520-242-50-2 AND TM 55-1520-210-23-3. A COPY OF THIS MESSAGE AND FIGURES FROM ATCOM LARS SHALL BE INSERTED IN THESE PUBLICATIONS AS AUTHORITY TO IMPLEMENT THE CHANGE UNTIL THE PRINTED CHANGE IS RECEIVED.

13. REFERENCE - MWO 1-1520-242-50-2, INSTALLATION OF OIL DEBRIS DETECTION SYSTEM (COOS) UH-1H/V HELICOPTERS, 3 JUN 91.

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 COMMANDER, ATCOM, ATTN: AMSAT-C-XS (SOF COMPLIANCE OFFICER), PER AR 95-3. DATAFAX NUMBER IS DSN 693-2064 OR COMMERCIAL 314/263-2064. E-MAIL ADDRESS IS "AMSATCXs (AT SIGN) ST-LOUIS-EMH4.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 WITH ODDS MODIFIED AIRCRAFT WILL FORWARD A PRIORITY MESSAGE TO: COMMANDER, ATCOM, ATTN: AMSAT-W-AU. DATAFAX IS DSN 693-2296 OR COMMERCIAL 314/263-2296. THE REPORT WILL CITE THIS MESSAGE NUMBER, COMPLETION DATE OF THIS CORRECTION AND AIRCRAFT SERIAL NUMBER, REPORTS SHALL BE SUBMITTED NO LATER THAN 10 DAYS AFTER COMPLETION OF TASK.

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 PAM 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.

Weight and Balance

- N/A.

Points of Contact

A. TECHNICAL POINT OF CONTACT FOR THIS MESSAGE IS MR. FRED KERSHAW, AMSAT-R-ECH, DSN 693-1683 OR COMMERCIAL 314/263-1683.

B. LOGISTICAL POINT OF CONTACT FOR THIS MESSAGE IS MR. CHARLES ELKINS, AMSAT-W-AU, DSN 693-2004 OR COMMERCIAL 314/263-2004.

C. FORMS AND RECORDS POINT OF CONTACT FOR THIS MESSAGE IS MS. ANN WALDECK,, AMSAT-I-MDM, DSN 693-1821 OR COMMERCIAL 314/263-1821.

D. SAFETY POINT OF CONTACT FOR THIS MESSAGE IS MR. BRAD MEYER, AMSAT-C-XS, DSN 693-2085 OR COMMERCIAL 314/263-2085.

E. FOREIGN MILITARY SALES (FMS) RECIPIENTS REQUIRING CLARIFICATION OF ACTION ADVISED BY THIS MESSAGE SHOULD CONTACT MW4 JAY NANCE/MR. RON VAN REES, AMSAT-I-IA, DSN 693-3826/3659 OR COMMERCIAL 314/263-3826/3659.

F. AFTER HOURS CONTACT ATCOM COMMAND OPERATIONS CENTER (COC) DSN 693-2066/7 OR COMMERCIAL 314/263-2066/7.

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