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MCLB DRAWER 38
ALBANY GA 31704 29PM

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1-009868A210 07/29/91 ICS DDCRSD ABN BESB
00230 DOD CRC ALBANY GA 300303Z JUL 91/211

USDA FOREST SVC AVIATION FIRE MGM
3905 VISTA AVE
BOISE ID 83705

*elec
conn. (1)*
UH-1-91-ASAM-11
UH-1-91-ASAM-13
revision to 11

1 R RUCIFRD5590 2110036 DA-BDCVBA
R 291800Z JUL 91 ZEX
FM CDRAVSCOM ST LOUIS MO //AMSAV-XSOF//
TO RUCLRFA/USDA FOREST SERVICE AVIATION FIRE MGMT
3905 VISTA AVE BOISE ID 83705
DA-BDCVBA

UNCLAS

SECTION 01 OF 02

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SUBJECT - AVIATION SAFETY ACTION MESSAGE, INFORMATIONAL. RCS
CSGLD-1860(R1), ALL UH-1H/V AIRCRAFT, REVISION TO UH-1-91-ASAM-11
ON FORWARD ENGINE ELECTRICAL PLUG CONNECTOR (UH-1-91-ASAM-13) (TB
1-1520-242-20-52)

NOTE - THIS IS AN AVIATION SAFETY ACTION MESSAGE AND 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, AVSCOM, ATTN - AMSAV-XSOF
(SOF COMPLIANCE OFFICER).

1. PRIORITY CLASSIFICATION -

- A. AIRCRAFT IN USE - N/A.
- B. AIRCRAFT IN DEPOT MAINTENANCE - N/A.
- C. AIRCRAFT UNDERGOING MAINTENANCE - N/A.
- D. AIRCRAFT IN TRANSIT -
 - (1) SURFACE/AIR SHIPMENT - N/A.
 - (2) FERRY STATUS - N/A.
- E. MAINTENANCE TRAINERS (CATEGORY A, B AND C) - N/A.
- F. COMPONENT/PARTS IN STOCK INCLUDING WAR RESERVES AT ALL

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LEVELS (DEPOT AND OTHERS) - N/A.

- 2. TASK/INSPECTION SUSPENSE DATE - N/A.
- 3. REPORTING COMPLIANCE SUSPENSE DATE - N/A.
- 4. SUMMARY OF PROBLEM -

A. THIS MESSAGE SUPERCEDES AVIATION SAFETY ACTION MESSAGE
UH-1-91-ASAM-11. THE MANDATORY INSPECTION REQUIREMENTS OF
UH-1-91-ASAM-11 ARE NO LONGER REQUIRED. SINCE UH-1-91-ASAM-11 WAS
ISSUED, ADDITIONAL INFORMATION HAS SURFACED CONCERNING THE FREQUENCY
OF OCCURENCE AND THE MAGNITUDE OF THE PROBLEM CREATED BY THE
IMPROPERLY MANUFACTURED ENGINE ELECTRICAL CONNECTORS.

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B. AIRCRAFT MAY HAVE ONE OF TWO CONNECTORS INSTALLED, P/N CA38426-2865 OR MS310BR28-21P. THE CA38426-2865 CONNECTORS CONTAIN TWO SPECIAL PINS WHICH ALLOW FOR THERMAL VARIANCE BETWEEN THE CONNECTOR HALVES. SOME OF THESE CA38426-2865 CONNECTORS HAVE BEEN MANUFACTURED AND DELIVERED TO THE ARMY WITH THE SPECIAL PINS MISLOCATED. THE MS310BR28-21P CONNECTORS ARE NOT DESIGNED WITH SPECIAL PINS. WITHOUT THE SPECIAL PINS PROPERLY LOCATED, THE POTENTIAL FOR ERRONEOUS EGT READINGS EXISTS.

C. ALTHOUGH A TEMPERATURE DIFFERENTIAL MAY OCCUR BETWEEN THE TWO HALVES OF THE ENGINE ELECTRICAL CONNECTOR, INFREQUENTLY WILL

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THAT TEMPERATURE DIFFERENTIAL BE GREAT ENOUGH TO CAUSE AN EGT READING THAT IS OUTSIDE OF THE PLUS OR MINUS 10 DEGREE CELSIUS INDICATOR ERROR. TO PRODUCE AN ERROR OF MORE THAN PLUS OR MINUS 10 DEGREES, A TEMPERATURE DIFFERENTIAL OF 20 DEGREES CELSIUS MUST EXIST AT THE CONNECTOR (20 DEGREE DIFFERENTIAL FROM ONE SIDE OF THE FIREWALL TO THE OTHER).

D. IF ERRONEOUS EGT READINGS OCCUR DURING FLIGHT OR DURING A JET CAL TEST, ONE OF THE FIRST TROUBLE SHOOTING MEASURES SHOULD BE INSPECTION FOR A DISCREPANT CONNECTOR.

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

F. THE PURPOSE OF THIS MESSAGE IS TO

(1) REVISE UH-1-91-ASAM-11 TO NO LONGER REQUIRE MANDATORY INSPECTION REQUIREMENTS.

(2) PROVIDE USERS WITH TROUBLESHOOTING PROCEDURES FOR DISCREPANT CONNECTORS IF ERRONEOUS EGT READINGS OCCUR.

5. END ITEMS AFFECTED - ALL UH-1H/V AIRCRAFT.

6. ASSEMBLY COMPONENTS TO BE AFFECTED -

NOMENCLATURE	PART NO.	NSN
CABLE ASSY	205-075-402	NONE

7. PARTS AFFECTED -

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NOMENCLATURE	PART NO.	NSN
CONNECTOR, PLUG, ELECTRICAL	CA38426-2865	5935-00-928-2021
CONNECTOR, PLUG, ELECTRICAL	MS310BR28-21P	5935-00-817-8070

8. INSPECTION PROCEDURES - IF ERRONEOUS EGT READINGS OCCUR, THE FOLLOWING PROCEDURES MAY HELP IDENTIFY DISCREPANT CONNECTORS

A. GAIN ACCESS TO THE CONNECTOR (ITEM 42, FIGURE 281, TM 55-1520-210-23P-1) IN PARAGRAPH 7.

B. IDENTIFY WHAT PART NUMBER CONNECTOR IS INSTALLED. IF P/N CA38426-2865 IS INSTALLED PROCEED TO PARAGRAPH 8C. IF P/N MS310BR28-21P IS INSTALLED REPLACE WITH A NEW OR SERVICEABLE P/N CA38426-2865 CONNECTOR AND PROCEED TO PARAGRAPH 9.

C. LOCATE THE PINS IN THE LOWER CASE "F" AND "M" POSITIONS. THESE PINS SHOULD BE DARKER IN COLOR THAN THE REST OF THE PINS IN THE CONNECTOR. IF A VISIBLE COLOR DIFFERENCE CANNOT BE DISTINGUISHED THE PROCEDURE IN PARA 8D WILL VERIFY IF THE PINS ARE LOCATED CORRECTLY.

D. THE PIN IN THE LOWER CASE "M" POSITION SHOULD BE MAGNETIC. IT IS THE ONLY PIN IN THE CONNECTOR THAT IS MAGNETIC. USE A SMALL MAGNET TO CHECK THE PIN IN THE LOWER CASE "M" POSITION. SINCE THE

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PIN IS SMALL THE MAGNETIC ATTRACTION MAY BE DIFFICULT TO NOTICE.

E. IF THE MAGNET DOES NOT ATTRACT THE PIN THE CONNECTOR IS CONSIDERED DISCREPANT AND SHALL BE REPLACED WITH A NEW OR SERVICEABLE CA38426-2865 CONNECTOR.

9. CORRECTION PROCEDURES -

A. IF EGT READINGS DURING OPERATION EXCEED LIMITS IN THE OPERATORS MANUAL, TM 55-1520-210-10, AND NORMAL TROUBLESHOOTING PROCEDURES DO NOT RESOLVE THE PROBLEM, THE INSPECTION OF PARAGRAPH 8 SHOULD BE ACCOMPLISHED PRIOR TO ATTEMPTING OTHER CORRECTIVE ACTIONS.

B. IF ERRONEOUS EGT READINGS OCCUR DURING REGULARLY SCHEDULED JET CAL INSPECTIONS, THE PROCEDURE OF PARAGRAPH 8 SHOULD BE ACCOMPLISHED IN CONJUNCTION WITH OTHER TROUBLE SHOOTING INSPECTIONS.

NOTE

ONLY P/N CA38426-2865 CONNECTORS SHALL BE USED TO REPLACE DISCREPANT CONNECTORS.

C. DISCREPANT CONNECTORS WHICH ARE REMOVED PER PARAGRAPH 8 SHALL

22:14 EST

MGMCOMP