NOTE - THIS IS A MAINTENANCE ADVISORY MESSAGE AND HAS NOT, REPEAT 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 THIS MESSAGE.

SUBJECT - MAINTENANCE ADVISORY MESSAGE, SOLID STATE REPLACEMENT VOLTAGE REGULATORS UH-1D/G/H/I AIRCRAFT, (UH-1-70-13).

1. PURPOSE OF MESSAGE CLN TO INFORM PERSONNEL OF NEW REPLACEMENT VOLTAGE REGULATORS, THEIR APPLICATION AND PROVIDE INSTRUCTIONS TO CLARIFY INSTALLATION DETAILS.

2. NM 55-1528-21E-28P AND TM 55-1528-21E-34P FIGURE 278 ITEMS

PAGE TWO RUKTFFA2394 UNCLAS
1 AND 2, FIGURE 279 ITEMS 1 AND 2, AND FIGURE 281 ITEMS 60 AND 61 ARE REVISED AS FOLLOWS CLN

NSN PART NO. MFR CODE DESCRIPTION
6112-00-596-2567 HS1857-12 96276 REGULATOR, VOLTAGE
6112-00-596-2567 HS1857-12 96276 RPL BY 6112-00-596-2567
6112-00-596-2567 HS1857-12 96276 REGULATOR, VOLTAGE
6112-00-596-2567 HS1857-12 96276 RPL BY 6112-00-596-2567
6112-00-596-2567 HS1857-12 96276 REGULATOR, VOLTAGE
6112-00-596-2567 HS1857-12 96276 RPL BY 6112-00-596-2567
6112-00-370-6691 CR2795610541 23444 UNIT, PLUG IN REGULATING RPL BY
6112-00-370-6691 CR2795610541 23444 REGULATOR U/A RPL BY 6112-00-370-6691
6112-00-370-6691 CR2795610541 23444 REGULATOR U/A RPL BY 6112-00-370-6691

3. THE SUPPLY OF CARBON PILE TYPE REGULATORS HAS BEEN EXHAUSTED AND THE NEW SOLID STATE TYPE REGULATORS ARE BEING ISSUED, THE NEW PART NUMBER AND NSN SHOULD BE USED TO ORDER REPLACEMENT.
THREE RUNTFFA-934 UNCLAS
VOLTAGE REGULATORS, ANOTHER APPLICATION OF THE SAME CARBON
PILE REGULATOR IS REPLACED BY MS18771-1A, NSN 6125-00-1237791.
HOWEVER, MS18771-1 IS NOT AUTHORIZED FOR USE ON UH-1 AIRCRAFT.
REPLACEMENT OF CARBON PILE WITH THE SOLID STATE MS18771-12
REGULATOR MAY BE DONE SIMULTANEOUSLY, THAT IS A MIX OF ONE CARBON
PILE AND ONE SOLID STATE REGULATOR ON THE SAME AIRCRAFT IS
ACCEPTABLE.

4. SPECIFIC INSTRUCTIONS TO CLARIFY INITIAL REPLACEMENT OF
CARBON PILE REGULATORS WITH MS18771-12.
   A. REMOVE OLD REGULATOR AND BASE IF INSTALLED.
   B. UN-DRY FY 62 THROUGH FY 74 ONLY, TO INSURE ADEQUATE
CLEARANCE PRIOR TO INSTALLING AFT OF TWO REGULATORS.
   C. TEMPORARILY REMOVE K7 GENERATOR FIELD RELAY (MS25497001),
   D. MEASURE FROM CENTER OF FORWARD SCREW HOLE .30 INCH INBOARD
   E. AND .02 AFT OF CENTER OF AFT SCREW HOLE .60
   F. INCH OUTBOARD AND .12 FORWARD, USING A 7/32 DRILL MAKE
   G. TWO NEW .216 DIA. SCREW HOLES, THIS ROTATES THE RELAY
   H. 30 DEGREES CLOCKWISE FROM ITS PRESENT POSITION, FULL THE
   I. OLD SCREW HOLES WITH SOLID ALUMINUM RIVETS MS26470A6 OR
   J. EQUIVALENT AND INSTALL K7 RELAY.

PAGE FOUR RUNTFFA-934 UNCLAS
1. INSTALL MS18771-12 WITH TERMINALS FORWARD USING
   K. SHEETS ANSI060 AND 4 NUTS MS22482BL20, USE EXISTING
   L. SERVICABLE HARDWARE.
   M. TERMINAL DESIGNATIONS ARE AS FOLLOWS CLN
   N. F PLUS/A REPLACE A, L PLUS/B REPLACES B AND L-/G REPLACES G;
   O. E. LENGTHEN WIRES AS REQUIRED USING BULK MATERIALS
   P. AND STANDARD INSTALLATION PRACTICES.
   Q. SET NEWLY INSTALLED VOLTAGE REGULATOR IN ACCORDANCE
   R. WITH MESSAGE MAINTENANCE ADVISORY MESSAGE, MAINTENANCE OF
   S. AIRCRAFT NI-CAD BATTERIES (GEN-75-7;
   U. ARE REVISED AS FOLLOWS
   V. A, 218-30 PARA 12-18 AND 219-20 PARA 12-15 DELETE
   W. THROUGHOUT THE CARBON PILE.
   Y. ADD CLN OR FOR REGULATORS WITHOUT BASE REMOVE NUTS AND WASHERS
   Z. AND REMOVE REGULATOR FROM SHELF.
   AA. 218-20 PARA 12-15, 218-20 PARA 12-17 AND 228-20 PARA
   BB. 12-17, AFTER FIRST SENTENCE ADD CLN REGULATORS WITH SEPARATE
   CC. BASE, INSPECT BASE AS FOLLOWS.

PAGE FIVE RUNTFFA-934 UNCLAS
D. 218-20 PARA 12-18; 219-20 AND 228-20 PARA 12-15
   FOR CLN OR FOR REGULATORS WITHOUT BASE, INSERT REGULATOR STUD
   E. IN MOUNTING HOLES AND SECURE WITH WASHERS AND NUTS.
   F. 218-20, 219-20, 228-20 ALL WIRE DIAGRAMS SHOWING
   G. THE VOLTAGE REGULATOR ARE REVISED TO SHOW NEW TERMINAL.
Designations noted above.
6. Weight and balance data for chart "W" entry for each carbon pile regulator and base replaced by an MS168971-12 regulator.

(DD Form 365-C basic weight and balance record)
Aircraft, weight change moment arm moment/100.

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FY 61 UH-1D/H -1.5 169 -1.8
FY 62 UH-1D/H -1.5 199 -1.1
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UH-1D/H -1.5 216 -1.1

7. Bulk material list - quantity as required:

A. For mounting CLN

<table>
<thead>
<tr>
<th>Item</th>
<th>Code</th>
<th>Quantity</th>
</tr>
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<td></td>
</tr>
<tr>
<td>Washer</td>
<td>531B-08-18-7022</td>
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</tr>
<tr>
<td>Nut</td>
<td>531B-08-06-087-1473</td>
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</tbody>
</table>

B. For wire P16A20N or P16B20N CLN

Page six RUTFFA0934 UNCLAS

Wire AN20, MIL-W-5085 TYPE II 6145-00-8510505

Terminal MS25034-123 5944-00-13-4771

C. For wire P3A16, P26A16, P3A16 or P3A16 CLN

Wire AN16, MIL-W-5085 TYPE II 6145-00-570-6605

Splice MS25151-2 5944-00-02-8086

Terminal MS25036-108 (NOS, salvage or requisition)

8. Information contained in this message should be inserted in the front of referenced TMS pending receipt of the tag.

9. If additional info on clarification of this message is required, contact Mr. Jim Procyn, AVSCOM, ATO, AVON 69S-6919, COML 314-265-6516.

#2791