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PAAUZEXN RULNNAQZ791 1740217-UUUU--RUHMDTA,
ZNR UUUUU

P 220219Z JUN 76 ZEX
FM ARNO-CAC EDGEMOOD MD //CAC-AVN-L//
TO AIG 7481
INFO RUEFHQA/CNGB WASH DC //CNGB-ARL-A//
P R 212030Z JUN 76 ZFP-4
FM ODRUSAAVSCOM STL MD 7/DRSAV-FEU//
TO AIG 8861

BT
UNCLAS
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-1H/C/D/H/M AIRCRAFT, (UH-1-76-13),
1, PURPOSE OF MESSAGE CLN TO INFORM PERSONNEL OF NEW REPLACEMENT
VOLTAGE REGULATORS, THEIR APPLICATION AND PROVIDE INSTRUCTION
TO CLARIFY INSTALLATION DETAILS,
2, IN 55-1520-210-20P AND TM 55-1520-210-34P FIGURE 278 ITEMS

PAGE TWO RUKTFFAZ934 UNCLAS
1 AND 2, FIGURE 279 ITEMS 1 AND 2, AND FIGURE 281 ITEMS 88
AND 89 ARE REVISED AS FOLLOWS CLN

NSN	PART NO.	MFR CODE	DESCRIPTION
6110-00-598-2567	H818071-12	96906	REGULATOR, VOLTAGE -RPLS--
6110-00-842-6376	E1597-2	18001	REGULATOR, VOLTAGE RPL-BY 6110-00-598-2567
6110-00-997-6855	1989-1E	83298	REGULATOR, VOLTAGE RPL-BY 6110-00-598-2567
6110-00-373-8691	CR2795818541	24446	UNIT, PLUG IN REGULATING RPL-BY 6110-00-598-2567
6110-00-660-8708	204-275-861-1	97499	BASE, VOLTAGE REGULATOR U/W 6110-00-997-6855 OR 6110-00-373-8691
			373-8691, RPL-BY 6110-00- 598-2567

3, THE SUPPLY OF CARBON PILE TYPE REGULATORS HAS BEEN EX-
HAUSTED AND THE NEW SOLID STATE TYPE REGULATORS ARE BEING ISSUED,
THE NEW PART NUMBER AND NSN SHOULD BE USED TO ORDER REPLACEMENT

PA THREE RUMTFFA8934 UNCLAS
VOLTAGE REGULATORS, ANOTHER APPLICATION OF THE SAME CARBON
PILE REGULATOR IS REPLACED BY MS18871-1A, NSN 6118-02-996-2375,
HOWEVER MS18871-1A IS NOT AUTHORIZED FOR USE ON UH-1 AIRCRAFT.
REPLACEMENT OF CARBON PILE WITH THE SOLID STATE MS18871-12
REGULATOR MAY BE DONE SINGLY, THAT IS A MIX OF ONE CARBON
PILE AND ONE SOLID STATE REGULATOR ON THE SAME AIRCRAFT IS
ACCEPTABLE.

4. SPECIAL INSTRUCTIONS TO CLARIFY INITIAL REPLACEMENT OF
CARBON PILE REGULATORS WITH MS18871-12,
A. REMOVE OLD REGULATOR AND BASE IF INSTALLED,
B. UH-1D/H FY 69 THROUGH FY 74 ONLY, TO INSURE ADEQUATE
CLEARANCE PRIOR TO INSTALLING AFT OF TWO REGULATORS,
TEMPORARILY REMOVE K7 GENERATOR FIELD RELAY (MS2945701),
MEASURE FROM CENTER OF FORWARD SCREW HOLE .58 INCH INBOARD
AND .12 AFT, MEASURE FROM CENTER OF AFT SCREW HOLE .58
INCH OUTBOARD AND .12 FORWARD, USING A 7/32 DRILL MAKE
TWO NEW .218 DIA. SCREW HOLES, THIS ROTATES THE RELAY
30 DEGREES CLOCKWISE FROM ITS PRESENT POSITION, FILL THE
OLD SCREW HOLES WITH SOLID ALUMINUM RIVETS MS29470A06 OR
EQUIVALENT AND INSTALL K7 RELAY.

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4. INSTALL MS18871-12 WITH TERMINALS FORWARD USING
4 WASHERS AN962PDBL AND 4 NUTS MS21842L08, USE EXISTING
SERVICEABLE HARDWARE,
D. TERMINAL DESIGNATIONS ARE AS FOLLOWS CLN
F. PLUS/A REPLACES A, L PLUS/B REPLACES B AND L-/G REPLACES G,
E. LENGTHEN WIRES AS REQUIRED USING BULK MATERIALS
AND STANDARD INSTALLATION PRACTICES,
F. SET NEWLY INSTALLED VOLTAGE REGULATOR IN ACCORDANCE
WITH MESSAGE MAINTENANCE ADVISORY MESSAGE, MAINTENANCE OF
AIRCRAFT NI-CAD BATTERIES (GEN-75-7),
5. TH 55-1528-218-28, TM 55-1528-219-28 AND TM 55-1528-228-28
ARE REVISED AS FOLLOWS,
A. 218-28 PARA 12-18 AND 219-28 PARA 12-15 DELETE
THROUGH/OF THE CARBON PILE,
B. 218-28 PARA 12-18(2), 219-28 AND 228-28 PARA 12-16B
ADD CLN OR FOR REGULATORS WITHOUT BASE REMOVE NUTS AND WASHERS
AND REMOVE REGULATOR FROM SHELF,
C. 218-28 PARA 12-18C, 219-28 PARA 12-17 AND 228-28 PARA
12-17A, AFTER FIRST SENTENCE ADD CLN REGULATORS WITH SEPARATE
BASE, INSPECT BASE AS FOLLOWS,

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D. 218-28 PARA 12-18E, 219-28 AND 228-28 PARA 12-19
ADD CLN OR FOR REGULATORS WITHOUT BASE, INSERT REGULATOR STUDS
THROUGH MOUNTING HOLES AND SECURE WITH WASHERS AND NUTS,
E. 218-28, 219-28, 228-28 ALL WIRE DIAGRAMS SHOWING
THE VOLTAGE REGULATOR ARE REVISED TO SHOW NEW TERMINAL

DE GNATIONS NOTED ABOVE.

6. WEIGHT AND BALANCE DATA FOR CHART "OH" ENTRY FOR EACH CARBON PILE REGULATOR AND BASE REPLACED BY AN MS18071-12 REGULATOR.

(DD FORM 365-C BASIC WEIGHT AND BALANCE RECORD)

AIRCRAFT WEIGHT CHANGE MOMENT ARM MOMENT/100

UH-1BCM -1.5 169 -1.8

FY 62 UH-1D/H -1.5 199 -1.2

FY 63 TO FY74

UH-1D/H -1.5 216 -1.1

7. BULK MATERIAL LIST - QUANTITY AS REQUIRED,

A. FOR MOUNTING CLN

RIVET MS20472AD6-4 5320-00-17-6849

WASHER AN962PD 8L 5310-00-184-9002

NUT MS21042L08 5310-00-807-1473

B. FOR WIRE P16A22N OR P16B22N CLN

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WIRE AN20, MIL-W-5086 TYPE II 6145-00-851-8505

TERMINAL MS25036-103 5940-00-143-4771

C. FOR WIRE P3A16, P26A16, P34A16 OR P87A16 CLN

WIRE AN16, MIL-W-5086 TYPE II 6145-00-578-0605

SPLICE MS25181-2 5940-00-502-8806

TERMINAL MS25036-108 (NONSN, SALVAGE OR REQUISITION)

8. INFORMATION CONTAINED IN THIS MESSAGE SHOULD BE INSERTED

IN THE FRONT OF REFERENCED TMS PENDING RECEIPT OF THE TAG

PRINTED CHANGE.

9. IF ADDITIONAL INFO OR CLARIFICATION OF THIS MESSAGE IS REQUIRED

CONTACT MR. JIM PROCYK, AVSCOM, AUTOVON 698-6516, COML 314-260-6516.

BT

#2791

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