

PRIORITY

R.R.
ARMY

UH-1-77-15
Defective T/R servo

PAAUZEXH RULNNAC2984 2180330-UUUU--RUMMDTA;
ZNR UUUUU
O 260330Z AUG 77 ZEX
FM CDR ARNG OAC EDGEWOOD MD //NGB-AVN-L//
TO AIG 7481
INFO RUEADND/NGB WASHDC //NGB-ARL-A//
P R 052845Z AUG 77 ZFF-4
FM CDRTSARCOM STL MO//DRSTS-MEU (2)//
TO AIG 8881
INFO AIG 9084
RUMTAEA/CDRUSABPA FT WORTH TX//SAVBE-E/SAVBE-O//
RUCLDQA/CDRUSAAVNC FT RUCKER AL //ATZQ-DI//
BT

UNCLAS SECTION 1 OF 2
NOTE THIS IS A SAFETY-OF-FLIGHT MESSAGE AND HAS NOT, REPEAT,
HAS NOT, BEEN TRANSMITTED TO UNITS SUBORDINATE TO ADDRESSES,
ADDRESSES SHOULD IMMEDIATELY RETRANSMIT THIS MESSAGE TO ALL
SUBORDINATE UNITS, ACTIVITIES OR ELEMENTS AFFECTED OR CONCERNED,
THE RETRANSMITTAL SHALL REFERENCE THIS MESSAGE,
SUBJECT SAFETY-OF-FLIGHT MESSAGE (ONE TIME INSPECTION) FOR
UH-1B/C/D/H/M, AH-1G/Q/S/S (MOD) AND TH-19 HELICOPTERS;
TE 3-1588-288-28-17 DEFECTIVE TAIL ROTOR SERVO CYLINDER ASSEMBLY
(UH-1-77-15 /AH-1-77-17)
1, SUMMARY OF PROBLEM DETERMINATION HAS BEEN MADE THAT A
NUMBER OF TAIL ROTOR SERVO CYLINDER ASSEMBLIES WERE MANUFACTURED
TO TOO CLOSE A TOLERANCE BETWEEN THE SHAFT AND BODY,

6 AUG 77 04 35 D

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THIS CONDITION MAKES THE ASSEMBLY VULNERABLE TO BINDING WHICH
INHIBITS DIRECTIONAL CONTROL OF THE HELICOPTER; IN 9 DOCUMENTED
PREVIOUSLY KNOWN INSTANCES, THE PILOT HAS BEEN ABLE TO BREAK THE
BINDING/JAMMING BY EXERTING FORCE ON PEDALS, THE ASSEMBLIES HAVE
BEEN IDENTIFIED BY SERIAL NUMBER, THE PURPOSE OF THIS MESSAGE IS
TO LOCATE THE DEFECTIVE PARTS, REMOVE THEM FROM SERVICE, AND HAVE
THEM SHIPPED TO A FACILITY WHERE REPAIRS CAN BE MADE;
2, PRIORITY CLASSIFICATION
A, EQUIPMENT IN USE CLN URGENT, WITH LIMITATIONS, EQUIPMENT
IN USE WILL BE INSPECTED AS SOON AS POSSIBLE BUT NOT LATER THAN
FIVE (5) FLIGHT HOURS OR FIVE (5) DAYS, WHICHEVER OCCURS FIRST;
UPON RECEIPT OF THIS MESSAGE, THE AIRCRAFT STATUS WILL BE CHANGED
TO A RED DASH, FAILURE TO ACCOMPLISH THIS INSPECTION WITHIN THE
HOURS/DAYS SPECIFIED WILL CAUSE AIRCRAFT CONDITION STATUS SYMBOL
TO BE CHANGED TO RED "X";
B, EQUIPMENT IN FIELD AND DEPOT STOCK CLN URGENT, WITH
LIMITATIONS, SERVICEABLE AND UNSERVICEABLE TAIL ROTOR SERVO
CYLINDER ASSEMBLIES IN FIELD AND DEPOT STOCKS WILL BE DECLARED
INOPERABLE AND WILL NOT BE ISSUED PRIOR TO INSPECTION/APPLICATION

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OF THIS TB;

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3, END ITEM TO BE INSPECTED CLN A11 UH-1B/C/D/H/M, AH-1G/S/S (MOD) AND TH-1G HELICOPTERS

4, COMPONENTS TO BE INSPECTED CLN NA

5, PARTS TO BE INSPECTED CLN TAIL ROTOR SERVO CYLINDER ASSEMBLIES AIRCRAFT APPLICATION

| | NSN | PART NO. |
|---------------------------|------------------|----------------|
| UH-1B/C/M | 1658-88-912-4122 | 284-876-853-5 |
| UH-1B/C/M | 1658-88-944-8178 | 1668-17 |
| UH-1D/H | 1658-88-814-2238 | 284-876-853-11 |
| UH-1D/H | 1658-88-944-8169 | 1668-23 |
| AH-1G/S/S (MOD) AND TH-1G | 1658-88-814-2238 | 284-876-853-11 |
| AH-1G/S/S (MOD) AND TH-1G | 1658-88-944-8169 | 1668-23 |
| AH-1G/S/S (MOD) AND TH-1G | NONE | 284-876-853-15 |
| AH-1G/S/S (MOD) AND TH-1G | NONE | 1668-25 |

6, APPLICATION CLN

A, CATEGORY OF MAINTENANCE

(1) OPERATIONAL AIRCRAFT CLN UNIT MAINTENANCE
(2) AIRCRAFT UNDERGOING MAINTENANCE CLN ORGANIZATION PERFORMING MAINTENANCE

(3) AIRCRAFT IN TRANSIT CLN

(A) IN SURFACE SHIPMENT CLN MAINTENANCE ACTIVITY AT FINAL

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DESTINATION;

(B) IN FERRY STATUS CLN TO BE INSPECTED AT NEXT DESTINATION

B, APPLIED BY CLN AIRCRAFT MECHANIC 67N, OR QUALIFIED AIRCRAFT CREW MEMBER

C, TIME REQUIRED CLN

(1) APPROXIMATELY 2.2 MAN-HOURS AND A MINIMUM CREW OF ONE MAN ARE REQUIRED TO ACCOMPLISH THIS INSPECTION;
(2) DOWNTIME FOR THIS END ITEM IS 2.2 HOURS;

7, SUPPLY KITS/PARTS AND DISPOSITION;

A, THE FOLLOWING PARTS MAY BE REQUIRED CLN

SERVO CYLINDER ASSEMBLY

NSN 1658-88-912-4122 P/N 284-876-853-5

NSN 1658-88-814-2238 P/N 284-876-853-11

B, SERVO CYLINDER ASSEMBLIES REMOVED FROM SERVICE OR SUPPLY IN ACCORDANCE WITH THIS MESSAGE SHALL BE IMMEDIATELY FORWARDED TO TRANSPORTATION OFFICER, RED RIVER ARMY DEPOT, TEXARKANA, TX 75581, AND MARK FOR ACCOUNT 5-3723, CONDITION D; ITEMS SHALL BE TAGGED UNSERVICEABLE AND MARKED FOR EXHIBIT PER SOF TB 55-1528-288-28-17; TIME ACCRUED ON THE DEFECTIVE ITEM SHALL BE NOTED IF AVAILABLE;

8, SPECIAL TOOLS, JIGS AND FIXTURES REQUIRED CLN NA

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9, INSPECTION PROCEDURE CLN

A, INSPECT ALL INSTALLED AND IN-STOCK TAIL ROTOR SERVO CYLINDERS FOR SERIAL NUMBERS, PART NUMBERS AND MANUFACTURER'S CODE;

B, SERVO CYLINDERS WHICH ARE CONSIDERED DEFECTIVE AND ARE TO BE REMOVED FROM SERVICE ARE THOSE WHICH WERE MANUFACTURED BY FORTNER ACCESSORY SERVICE CORPORATION, MANUFACTURER'S CODE 53583, AND ARE INCLUDED IN THE INDICATED LIST OF SERIAL NUMBERS;

BHT PART NO, 204-076-053-5

FORTNER PART NO, 1660-17

S/N 003 THROUGH 036

BHT PART NO, 204-076-053-11

FORTNER PART NO, 1660-23

S/N 003 THROUGH 020

BHT PART NO, 204-076-053-15

FORTNER PART NO, 1660-25

S/N 001 THROUGH 054

C, INSTALLED SERVOS AND SERVOS WHICH ARE NO LONGER IN THEIR ORIGINAL PACKAGE CAN BE IDENTIFIED BY INSPECTION OF THE DATA PLATE ON THE CYLINDER BARREL, THOSE SERVOS INCLUDED IN THE ABOVE LIST OF SERIAL NUMBERS ARE TO BE REMOVED FROM SERVICE/SUPPLY IN

BT
#2904

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NNNN

T 799 11 TBH

PRIORITY

PAAUZEXN RULNNA02986 2100330Z-UUUU--RUKMDTA;

ZNR UUUUU

0 260330Z AUG 77 ZEX

FM CDR ARNG OAC EDGEWOOD MD //NGB-AVN-L

TO AIG 7401

INFO RUEADND/NGB WASHDC //NGB-ARL-A//

P R 032049Z AUG 77

FM CDRTSARCOH STL HQ//DRSTS-MEU (2)//

TO AIG 8001

INFO AIG 9004

RUKTABA/CDRUSABPA FT WORTH TX//SAYBE-E/SAYBE-Q//

RUCLDQA/CDRUSAAYNC FT RUCKER AL //ATZQ-DI//

BT

UNCLAS FINAL SECTION OF 2

ACCORDANCE WITH PARAGRAPH 7B ABOVE;

D. ANY PACKAGED SERVO IN STOCK WHICH CANNOT BE POSITIVELY IDENTIFIED BY MARKINGS ON THE PACKAGE SHALL BE OPENED FOR INSPECTION AND IF NOT ON THE LIST OF DEFECTIVE SERVOS THE PACKAGE WILL BE RESEALED AND CLEARLY MARKED AS HAVING BEEN INSPECTED ACCORDING TO THIS TB. IF THE SERVO IS FOUND TO BE INCLUDED ON THE LIST, IT SHALL BE REMOVED FROM THE SUPPLY STOCK IN ACCORDANCE WITH PARAGRAPH 7B ABOVE;

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10. WEIGHT AND BALANCE DATA CLN NA

11. RECORDING AND REPORTING INSTRUCTIONS CLN

A. RECORD AND REPORT ACCOMPLISHMENT OF THIS INSPECTION IN ACCORDANCE WITH THE PROCEDURES PRESCRIBED IN TM 38-750; THE FOLLOWING FORMS ARE APPLICABLE - DA FORM 2427, MAINTENANCE REQUEST; DA FORM 2408-13, AIRCRAFT INSPECTION AND MAINTENANCE RECORD; DA FORM 2408-15, AIRCRAFT HISTORICAL RECORD;

B. GROUNDING AND SAFETY OF FLIGHT MESSAGE FOLLOW-UP REPORT RGS-AND 213, ACTION ADDRESSES UPON COMPLETION OF THE REQUIREMENT SET FORTH IN THIS MESSAGE OR NOT LATER THAN FIVE DAYS AFTER DATE OF THIS MESSAGE, WILL FORWARD A MSG REPORT OF ACTIONS ACCOMPLISHED TO COMMANDER, TSARCOH, ATTN CLN DRSTS-MEU (2); PER AR 95-18, THE REPORT WILL CITE THE TB, THE AIRCRAFT MISSION DESIGN AND SERIES, AND SERIAL NUMBERS OF ALL LISTED SERVO CYLINDERS WHICH ARE FOUND INSTALLED OR IN SUPPLY AND WHICH ARE BEING RETURNED IN ACCORDANCE WITH PARAGRAPH 7B ABOVE. IF ALL REQUIRED ACTIONS ARE NOT COMPLETED, THE REPORT WILL ALSO CONTAIN THE DATE BY WHICH IT IS ESTIMATED THEY WILL BE COMPLETED; ROUTING SYMBOL AS CONTAINED IN AR 95-18 WILL BE CHANGED AS INDICATED ABOVE;

12. IF ADDITIONAL INFORMATION OR CLARIFICATION OF THIS MESSAGE IS

6 AUG 77 06 41 0

ARMY