

PRIORITY

UH-1-77-5
Defective control (T/C)
cable swage

2 FEB 77 03 00Z

PTTUZEEM RULNNAC0441 043215Z UUUU--RUMNDA;
ZNR UUUUU ZEX
P 120103Z FEB 77
FM ARNG-OAC EDGEWOOD MD//NGB-AVL-L// ARMY
TO AIG 7481
INFO RUEFHQA/CNGBWASDC//CNGB-ARL-A//
P R 112025Z FEB 77
FM CDRUSAAV900M STL HQ //DRSAV-FRU//
TO AIG 8081
INFO AIG 9084
RUMTABA/CDRUSAGPA FT WORTH TX //SAVBE-R//
RUDDSDA/CDRUSASAFSCOM HUNTSVILLE AL
RRUCLOCA/CDRUSAAVNO FT RUCKER AL

BT
UNCLAS
NOTE: THIS IS A SAFETY-OF-FLIGHT MESSAGE AND HAS NOT REPEATED
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 THIS MESSAGE;
SUBJECT: "SAFETY-OF-FLIGHT MESSAGE (ONE TIME INSPECTION) FOR
UH-1D/H HELICOPTERS; TO 55-1527-212-28-13, DEFECTIVE CONTROL
CABLES; (UH-1-77-5);
1. SUMMARY OF PROBLEM DETERMINATION HAS BEEN MADE THAT CONTROL
CABLES (P/N 205-221-720-1) HAVE BEEN RELEASED INTO THE SUPPLY SYSTEM
WITH AN INCOMPLETE SWAGING OPERATION; RED RIVER ARMY DEPOT

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WAS RELEASED 44 OF THESE CABLES TO REQUESTING UNITS;
IT IS SUSPECTED THAT ONLY A SMALL QUANTITY OF THESE DEFECTIVE CABLES
HAVE BEEN INSTALLED ON FIELDED AIRCRAFT;
AIRCRAFT WITH THESE CABLES WOULD ONLY BE AFFECTED;
THE CABLE HAS A BALL SWAGED ON EACH END;
THE SWAGING OPERATION IS A TWO PART OPERATION; THE DEFECTIVE
CABLES HAVE ONLY THE FIRST SWAGING OPERATION ACCOMPLISHED; THE
PURPOSE OF THIS MESSAGE IS TO LOCATE THE DEFECTIVE PARTS AND REMOVE
THEM FROM SERVICE;
2. PRIORITY CLASSIFICATION
A. EQUIPMENT IN USE; URGENT; AIRCRAFT IS IMMEDIATELY GROUNDED
AND DECLARED INOPERABLE UNTIL COMPLIANCE WITH THIS TS STATUS
SYMBOL WILL BE CHANGED IMMEDIATELY TO A RED "X"; NOTE: SEE PARA
GRAPH 7, AR 95-18 FOR NONCOMPLIANCE AUTHORITY OF UNIT AND MAJOR
COMMANDERS;
B. EQUIPMENT IN FIELD AND DEPOT STOCK; URGENT; SERVICEABLE
EQUIPMENT (AIRCRAFT AND CABLES) IN FIELD AND DEPOT STOCKS WILL BE
DECLARED INOPERABLE AND WILL NOT BE ISSUED PRIOR TO INSPECTION/
LOCATION OF THIS TS;
3. END ITEM TO BE INSPECTED ALL UH-1D/H HELICOPTERS;

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6. COMPONENTS TO BE INSPECTED: N/A

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5. PARTS TO BE INSPECTED: CONTROL CABLE ASSEMBLY, NSN 4810-08-021-889895, P/N 285-001-728-1, TWO EACH.

6. APPLICATION:

A. CATEGORY OF MAINTENANCE:
(1) OPERATIONAL AIRCRAFT; ORGANIZATIONAL MAINTENANCE;
(2) AIRCRAFT UNDERGOING MAINTENANCE; ORGANIZATION PERFORMING MAINTENANCE;

(3) AIRCRAFT IN TRANSIT
(A) IN SURFACE SHIPMENT; MAINTENANCE ACTIVITY AT FINAL DESTINATION;
(B) IN FERRY STATUS TO BE INSPECTED AT NEXT DESTINATION;
B. APPLIED BY AIRCRAFT MECHANIC 47N;

C. TIME REQUIRED:
(1) APPROXIMATELY THREE MAN-HOURS AND A MINIMUM CREW OF ONE MAN IS REQUIRED TO ACCOMPLISH THIS INSPECTION.

(2) DOWNTIME FOR THIS END ITEM TOTAL THREE HOURS.

7. SUPPLY KITS/PARTS AND DISPOSITION:

18. A. THE FOLLOWING PARTS MAY BE REQUIRED: TWO EACH CONTROL CABLE ASSEMBLY NSN 4810-08-021-9895, P/N 285-001-728-1 PER AIRCRAFT, SOURCE B17.

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B. CONTROL CABLE ASSEMBLY REMOVED FROM SERVICE OR SUPPLY IN ACCORDANCE WITH THIS MESSAGE SHALL BE IMMEDIATELY FORWARDED TO COMMANDER, CORPUS CHRISTI, TEXAS, W/P AVSCOM ACCOUNT 5-3723. ITEMS SHOULD BE TAGGED UNSERVICEABLE AND MARKED FOR EXHIBIT PER SOP 19 95-1928-212-25-13.

8. SPECIAL TOOLS, JIGS AND FIXTURES REQUIRED: N/A

9. INSPECTION PROCEDURE:

A. REVIEW THE MAINTENANCE RECORDS TO DETERMINE IF THE TAIL ROTOR CONTROL CABLES HAVE BEEN REPLACED SINCE 13 SEP 76. IF THE CABLES HAVE NOT BEEN REPLACED, AIRCRAFT MAY BE RELEASED FOR FLIGHT. AIRCRAFT WITH POSSIBLE OR KNOWN REPLACEMENT CABLES REQUIRE THE FOLLOWING INSPECTION TO DETERMINE IF THE CABLES WERE MANUFACTURED BY ZAN MACHINE, 5966 GRAND AVE, HASTETH, NY 11328 UNDER CONTRACT DAAJ01-76-C-00146.

B. CONTROL CABLES WHICH ARE CONTAINED IN THEIR ORIGINAL PACKAGE CAN BE IDENTIFIED BY THE CONTRACT NUMBER LISTED ON THE PACKAGE.

13. ZAN MACHINE CABLES IDENTIFIED BY THE FOREGOING CONTRACT NUMBER ARE TO BE REMOVED FROM THE SUPPLY SYSTEM IN ACCORDANCE WITH PARAGRAPH 7B ABOVE.

C. CONTROL CABLES WHICH ARE NO LONGER CONTAINED IN THEIR

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ORIGINAL PACKAGE MAY BE IDENTIFIED BY THE ACID ETCHING ON THE SPEED

RIG FITTING; IF THE SPEED RIG FITTING CONTAINS THE FOLLOWING INFORMATION, 97499/285-001-720-1, 2L682, OR 81996/285-001-720-1, 2L682,

THE CONTROL CABLE WILL BE REMOVED FROM SERVICE AND RETURNED IN ACCORDANCE WITH PARA 7B ABOVE. IF THE FITTING NUMBER CANNOT BE IDENTIFIED, THE CONTROL CABLE IS TO BE INSPECTED FOR INCOMPLETE SWAGING OF THE BALL AS INDICATED IN THE FOLLOWING PARAGRAPH:

D. VISUALLY INSPECT BOTH ENDS OF THE CABLE; AN IMPROPERLY SWAGED CABLE END BALL CAN BE IDENTIFIED BY A FLAT SPHERICAL END AND A SHANK WITH A RECTANGULAR CROSS SECTION; A PROPERLY SWAGED CABLE END BALL CAN BE IDENTIFIED BY HAVING A SPHERICAL END AND A SHANK WITH A ROUND CROSS SECTION; THE SWAGING OPERATION IS FURTHER IDENTIFIED IN MIL STD MS20664; CONTROL CABLES WITH IMPROPERLY SWAGED CABLE END BALLS WILL BE REMOVED FROM SERVICE AND RETURNED IN ACCORDANCE WITH PARA 7B ABOVE;

E. CONTROL CABLES IDENTIFIED TO THE ABOVE CONTRACT OR WITH IMPROPER SWAGING ARE TO BE REMOVED FROM SERVICE IN ACCORDANCE WITH PARAGRAPH 7B ABOVE;

10. WEIGHT AND BALANCE DATA N/A

11. RECORDING AND REPORTING INSTRUCTIONS

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A. RECORD AND REPORT ACCOMPLISHMENT OF THIS INSPECTION IN ACCORDANCE WITH THE PROCEDURES PRESCRIBED IN TM39-750. THE FOLLOWING FORMS ARE APPLICABLE: DA FORM 2407, 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 19RCS-AMC 213. ACTION ADDRESSEES 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, USAAVSCOM, ATTN: DRSAV-EK, PER AR 95-18. THE REPORT WILL CITE THE TB, THE AIRCRAFT MISSION DESIGN AND SERIES, AND PERTINENT SERIAL NUMBERS OF THE AIRCRAFT; 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 19AR 95-18, WILL BE CHANGED AS INDICATED ABOVE;

13. IF ADDITIONAL INFO OR CLARIFICATION OF THIS MSG IS REQUIRED, CONTACT MR. JAMES BOEN, AVSCOM, AUTOVON 690-5066, COML 314-268-5066.

BT
#0441