

UH-1-75-18
T/R slip
fatigue cracks
and failures

PTTUZYQW RUEDADA0579 3221419-UUUU--RUHMOTA;
ZNR UUUUU
P R 181400Z NOV 75 ZYQ
FM CDR ARNG-DAC EDGEWOOD ARSENAL MD //DAC-AVN-L//
TO AIG 7481
INFO RUEFHQA/CNGB WASH DC //NGB-ARL-A//
P R 171955Z NOV 75
FM CDRAVSCOM STL MO//AMSAV-FEU//
TO AIG 9881
INFO AIG 9884
CDR USAUPA FT WORTH TX//SAVBE-P//
CDR USASAFSCOM HUNTSVILLE AL
CDR USAAVCN FT RUCKER AL
BT

ARMY/41

18 NOV 75 10 27 Z

UNCLAS
NOTE - THIS IS A SAFETY-OF-FLIGHT MESSAGE AND HAS NOT, REPEAT 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 ONE-TIME INSPECTION OF TAIL ROTOR GRIP ASSEMBLIES UTILIZED ON UH-1 SERIES HELICOPTERS (TR 95-1570-200-20-24)

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1. SUMMARY OF PROBLEM - DURING THE PAST SIXTEEN MONTHS, SIX P/N 284-211-728-19 GRIP ASSEMBLIES HAVE BEEN DISCOVERED WITH FATIGUE CRACKS IN THE RETENTION THREAD AREA, FOUR OF THESE GRIP ASSEMBLIES FAILED IN-FLIGHT RESULTING IN LOSS OF THE TAIL ROTOR HUB AND BLADE ASSEMBLY AND 90 DEGREE GEARBOX, THE FINITE LIFE FOR ALL UH-1 TAIL ROTOR GRIP ASSEMBLIES P/N 284-211-728-1/19 HAS THEREFORE BEEN REDUCED TO 900 HOURS.
2. PRIORITY CLASSIFICATION -
 - A. EQUIPMENT IN USE - URGENT, AIRCRAFT IS IMMEDIATELY GROUNDED AND DECLARED INOPERABLE UNTIL COMPLIANCE WITH THIS TR, STATUS SYMBOL WILL BE CHANGED IMMEDIATELY TO A QUOTE RED X UNQUOTE.
 - NOTE - SEE PARAGRAPH 7, AR 95-16 FOR NON-COMPLIANCE AUTHORITY OF UNIT AND MAJOR COMMANDERS.
 - B. EQUIPMENT IN FIELD AND DEPOT STOCK - URGENT, SERVICEABLE EQUIPMENT IN FIELD AND DEPOT STOCKS WILL BE DECLARED INOPERABLE AND WILL NOT BE ISSUED PRIOR TO INSPECTION IN ACCORDANCE WITH THIS TR.
3. END ITEM TO BE INSPECTED - ALL UH-1B/C/D/H/M SERIES HELICOPTERS; ASSEMBLIES OR COMPONENTS TO BE INSPECTED -

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NSN	P/N	NOMENCLATURE
1615-28-133-8872	284-811-881-9	TAIL ROTOR HUB ASSY
1615-28-133-8872	284-811-881-17	TAIL ROTOR HUB ASSY
1615-28-13322294	284-811-881-9	TAIL ROTOR HUB ASSY

5. PARTS TO BE INSPECTED

NSN	P/N	NOMENCLATURE
NONE	284-811-728-1	GRIP ASSY
1615-28-456-1932	284-811-728-19	GRIP ASSY

6. APPLICATION -

A. CATEGORY OF MAINTENANCE -

(1) OPERATIONAL AIRCRAFT -

ORGANIZATIONAL MAINTENANCE

(2) AIRCRAFT UNDERGOING MAINTENANCE -

ORGANIZATION PERFORMING THE MAINTENANCE

(3) AIRCRAFT IN TRANSIT -

(A) IN SURFACE SHIPMENT - MAINTENANCE ACTIVITY AT FINAL

DESTINATION.

(B) IN FERRY STATUS - TO BE INSPECTED AT FINAL DESTINATION

B. APPLIED BY - AIRCRAFT MECHANIC 67N

C. TIME REQUIRED -

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(1) APPROXIMATELY 2 MAN-HOUR AND A MINIMUM CREW OF ONE MAN
REQUIRED TO ACCOMPLISH THIS INSPECTION.

(2) DOWNTIME FOR THIS END ITEM TOTAL 2 HOUR

D. PUBLICATIONS WHICH REQUIRE CHANGE AS A RESULT OF THIS

MESSAGE -

TH 55-1528-218-28, TH 55-1528-219-28 AND TH 55-1528-220-28 WILL
REQUIRE A CHANGE AS A RESULT OF THIS TB.

7. SUPPLY KITS/PARTS AND DISPOSITION -

A. FOLLOWING PARTS SHALL BE REQUISITIONED ON A NORS BASIS ONLY -

NOTE - GRIP ASSEMBLY REPLACEMENT MUST BE PERFORMED AT DIRECT
SUPPORT LEVEL OR ABOVE

NOMENCLATURE	PART NUMBER	NATIONAL STOCK NUMBER
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GRIP ASSY	284-811-728-19	1615-28-456-1932
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B. PARTS DISPOSITION - ALL GRIP ASSEMBLIES WHICH ARE REJECTED
AS A RESULT OF THIS TB SHALL BE SHIPPED TO COMMANDER, CORPUS CHRISTI
ARMY DEPOT, NAS, CORPUS CHRISTI, TX, FOR ANALYSIS IN SUPPORT OF
CONTINUING INVESTIGATION; MARK CONTAINERS WITH BIG RED LETTERS
QUOTE SPECIAL INVESTIGATION EXHIBIT PROJECT DIRECTIVE NO, 490J3-
114-88J UNQUOTE.

EACH GRIP ASSEMBLY SHALL HAVE A TAG ATTACHED WHICH INDICATES TSN;

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AIRCRAFT AND HUB ASSEMBLY S/N FROM WHICH REMOVED, AND OPERATING
UNIT LOCATION.

SPECIAL TOOLS, JIGS AND FIXTURES REQUIRED - NONE

9. INSPECTION INSTRUCTIONS -

A. GAIN ACCESS TO AIRCRAFT RECORDS AND DETERMINE THE TOTAL

ME SINCE NEW OF BOTH TAIL ROTOR GRIP ASSEMBLIES,
9. ALL TAIL ROTOR GRIP ASSEMBLIES WITH MORE THAN 900 HOURS TSM
SHALL BE RESTRICTED FROM FURTHER FLIGHT, ALL GRIP ASSEMBLIES WITH
LESS THAN 900 HOURS TSM SHALL BE PERMITTED TO OPERATE UNTIL REACHING
THE NEW FINITE LIFE OF 900 HOURS;

10. WEIGHT AND BALANCE DATA - NOT APPLICABLE

11. RECORDING AND REPORTING INSTRUCTIONS -

A. RECORD AND REPORT ACCOMPLISHMENT OF THIS INSPECTION IN
ACCORDANCE WITH THE PROCEDURES PRESCRIBED IN TM 30-750, THE
FOLLOWING FORMS ARE APPLICABLE - DA FORM 2487, MAINTENANCE REQUEST,
DA FORM 2488-13 AIRCRAFT INSPECTION AND MAINTENANCE RECORD, DA FORM
2489-15, AIRCRAFT HISTORICAL RECORD - DA FORM 2488-16 AIRCRAFT
COMPONENT HISTORICAL RECORD, DA FORM 2488-9, EQUIPMENT MODIFICATION
RECORD;

B. SAFETY-OF-FLIGHT MESSAGE FOLLOW-UP REPORT, RCF AND 213,

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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 MESSAGE REPORT OF ACTIONS ACCOMPLISHED AND ACTIONS
TO BE ACCOMPLISHED TO COMMANDER, USAAVSCOM, ATTN - ANSAV-8K, PER
AR 95-10. THE REPORT WILL CITE THE TP, THE AIRCRAFT MISSION
DESIGN AND SERIES AND PERTINENT SERIAL NUMBERS OF THE AIRCRAFT;

12. ALL REQUIRED ACTIONS ARE NOT COMPLETED, THE REPORT WILL ALSO
OBTAIN THE DATE BY WHICH IT IS ESTIMATED THEY WILL BE COMPLETED;
A FURTHER REPORT WILL BE FORWARDED AFTER THE ACTIONS HAVE BEEN
COMPLETED; ROUTING SYMBOL AS CONTAINED IN AR 95-10 WILL BE CHANGED
AS INDICATED ABOVE;

12. RELATED INFORMATION - PENDING RECEIPT OF CHANGES TO THE UH-1
SERIES ORGANIZATIONAL MAINTENANCE MANUALS THE FOLLOWING PEN AND
INK CHANGES SHALL BE MADE TO THE OVERHAUL AND RETIREMENT SCHEDULE,
CHAPTER 3 -

TM 55-1520-218-28/TM55-15202219-28/TM 55-15202220-28 -

AREA	RETIREMENT INTERVAL /HOURS/	ITEM	P/N
5	900	GRIP ASSY	284-811-720-1
6	900	GRIP ASSY	284-811-720-19

13. THE AVSCOM ENGINEERING POINT OF CONTACT FOR ANY ADDITIONAL
INFORMATION CONCERNING THIS SAFETY-OF-FLIGHT MESSAGE IS MR. CHARLES
BRIGHT, AUTOVON 698-6510, COMMERCIAL 314-298-6510,

BT
42579

NNNN