

18 131611Z OCT 99 PP PP UUUU

AA 2YUW

*204-011-902-15
The Blade time
life extension. Blade
shortage
UH-1-00-ASAM-01*

FROM
:CDRAMCOM REDSTONE ARSENAL AL//AMSAM-SF-A//
TO
:AIG 8881
:AIG 9004
:AIG 7515
:AIG 7471
:AIG 12124
:DCMC AFMO OZARK AL//DCMDE-ROA//
:CDRAMCOM REDSTONE ARSENAL AL//AMSAM-RA-FO//
:ASF42 81ST ARCOM DOBBINS AFB GA
:DEPT OF STATE AIR WING PATRICK AFB FL
:CDRCBDCOM ABERDEEN PROVING GROUND MD//AMSCB-OPA//
:USAATC ABERDEEN PROVING GROUND MD//STEAC-CO-P//
:RAYTHEON RANGE SYSTEMS ENGINEERING KWAJALEIN MH//PAT2//
:STEMS ARMY AIR HOLLOWAN AFB NM//STEMS-NRO-F//
:CDRDPG DUGWAY UT//STEDP-AVN//
:USDOCO LANDSOUTHEAST IZMIR TU//AV//
:WALLOPS FLIGHT FACILITY NASA WALLOPS ISLAND VA
: //CODE 831.2 AIRCRAFT QA//

INFO
:HQAFSPCCSS PETERSON AFB CO//LGM/SEF//
:CDRMOW WASHINGTON DC//ANLG-LS//
:SECDEF WASHINGTON DC//USDP-DSAA//
:SECSTATE WASHINGTON DC//NEA/INL//
:AFSOC HURLBURT FIELD FL//LGMW//
:PACAFDPIC HICKAM AFB HI//DO/LGM//
:JMC SCOTT AFB IL//LG/LGF/LQ/DO/DOT/DOV/DOX/SEF//
:89AM ANDREWS AFB MD//LG//
:89OG ANDREWS AFB MD//CC/OGV//
:1HS ANDREWS AFB MD//CC/DO//
:NAVAVNDEPOT CHERRY PT NC//H1-ISST//
:CDR FT BRAGG NC//AFZA-GT-OM//
:CDR HQ 1ST COSCOM FT BRAGG NC//LOGOPS AVN SECT//
:PM SW FT MONMOUTH NJ//SFAE-IEMS-SG//
:FAA AERONAUTICALCEN OKLAHOMA CITY OK//AFS-620//
:DISC PHILADELPHIA PA//QEBB-JU//
:CDR LSE AVIATION IZMIR TU//LSE//
:HQ AETC RANDOLPH AFB TX//DO/DOFI/SEF//
:FAA SOUTHWEST RGN HQ FORT WORTH TX//ASW-100//
:CDRUSASMDC ARLINGTON VA//CSSD/ZA//

XMT

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ACCT

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TEXT

:UNCLAS

SUBJECT - AVIATION SAFETY ACTION MESSAGE, MAINTENANCE MANDATORY,
RCS CSGLD-1860(R1), ALL UH-1 H/V SERIES AIRCRAFT, MANDATORY TIME
REPORTING AND TEMPORARY RETIREMENT LIFE EXTENSION OF UH-1 TAIL
ROTOR BLADES, PART NUMBER 204-011-702-15, UH-1-00-ASAM-01,
(TB 1-1520-210-20-46).

NOTE

THIS IS AN AVIATION SAFETY ACTION MESSAGE ISSUED IAW AR 95-1,
CHAPTER 6, 1 SEP 97. THIS MESSAGE HAS NOT BEEN TRANSMITTED TO
SUBORDINATE TO ADDRESSEES. ADDRESSEES SHALL IMMEDIATELY
TRANSMIT THIS MESSAGE TO ALL SUBORDINATE UNITS, ACTIVITIES OR
ELEMENTS AFFECTED OR CONCERNED. THE RETRANSMITTAL SHALL

REFERENCE THE MESSAGE. ACTION ADDRESSES WILL IMMEDIATELY VERIFY
S TRANSMISSION TO CDR, AMCOM, ATTN: AMSAM-SF-A (SOF
COMPLIANCE OFFICER).

1. PRIORITY CLASSIFICATION -

A. AIRCRAFT IN USE - UPON RECEIPT OF THIS MESSAGE THE
CONDITION STATUS SYMBOL OF THE CITED AIRCRAFT WILL BE CHANGED TO
A RED HORIZONTAL DASH //-//. THE RED HORIZONTAL DASH //-// MAY
BE CLEARED WHEN THE INSPECTION OF PARA 8 IS COMPLETED. THE
AFFECTED AIRCRAFT SHALL BE INSPECTED AS SOON AS PRACTICAL BUT NO
LATER THAN THE TASK/INSPECTION SUSPENSE DATE. FAILURE TO COMPLY
WITH THE REQUIREMENTS OF THIS MESSAGE WITHIN THE TIME FRAME WILL
CAUSE THE STATUS SYMBOL TO BE UPGRADED TO A RED //X//.

B. AIRCRAFT IN DEPOT MAINTENANCE - AIRCRAFT WILL NOT BE
ISSUED UNTIL COMPLIANCE WITH THIS ASAM HAS BEEN COMPLETED.

C. AIRCRAFT UNDERGOING MAINTENANCE - AIRCRAFT WILL NOT BE
RELEASED UNTIL COMPLIANCE WITH THIS ASAM HAS BEEN COMPLETED.

D. AIRCRAFT IN TRANSIT -

(1) SURFACE/AIR SHIPMENT - SAME AS PARA 1A.

(2) FERRY STATUS -

(A) INSPECT AT FINAL DESTINATION.

(B) THOSE AIRCRAFT THAT HAVE A DD 250 AND ARE AT US
HELICOPTERS WILL BE INSPECTED PRIOR TO FERRY TO FINAL DESTINATION.

E. MAINTENANCE TRAINERS - N/A.

F. COMPONENT/PARTS IN STOCK AT ALL LEVELS (DEPOT AND OTHERS)
INCLUDING WAR RESERVES - UPON RECEIPT OF THIS MESSAGE THE
MATERIAL CONDITION TAGS OF ALL ITEMS IN ALL CONDITION CODES
LISTED IN PARAGRAPHS 6 AND 7 SHALL BE ANNOTATED TO READ "UH-1-00-
ASAM-01, (TB 1-1520-210-20-46), MANDATORY TIME REPORTING AND
TEMPORARY RETIREMENT LIFE EXTENSION OF UH-1 TAIL ROTOR BLADES NOT
APPLIED WITH."

(1) WHOLESALE STOCK - N/A.

(2) RETAIL STOCK - UPON RECEIPT OF THIS MESSAGE
COMMANDERS AND OTHERS MAINTAINING RETAIL STOCK AT INSTALLATION
LEVEL AND BELOW SHALL CONTACT THE SUPPORTED AVIATION UNIT TO
PERFORM THE INSPECTION REQUIRED BY PARAGRAPH 8 AND THE CORRECTION
PROCEDURES OF PARAGRAPH 9 ON DISCREPANT MATERIEL. DISPOSITION OF
DISCREPANT MATERIEL WILL BE IAW PARAGRAPH 10. REPORT COMPLIANCE
WITH THIS MESSAGE IAW PARAGRAPH 14D(2).

G. COMPONENTS/PARTS IN WORK (DEPOT LEVEL AND OTHERS) - N/A.

2. TASK/INSPECTION SUSPENSE DATE - WITHIN NEXT 15 FLIGHT
HOURS/30 DAYS.

3. REPORTING COMPLIANCE SUSPENSE DATE - NO LATER THAN 4 NOV 99
IAW PARA 14A OF THIS MESSAGE.

4. SUMMARY OF PROBLEM -

A. BACKGROUND -

(1) A SEVERE SUPPLY SHORTAGE OF UH-1 TAIL ROTOR BLADES,
PART NUMBER 204-011-702-15, HAS BEEN REALIZED. ALTHOUGH RESUPPLY
CONTRACTS ARE IN PLACE, DELIVERIES ARE NOT EXPECTED TO BEGIN
UNTIL SOMETIME MID-LATE FIRST QUARTER 2000. THESE DELIVERIES
WILL BE TOO LATE TO PREVENT AIRCRAFT GROUNDINGS; THUS NEGATIVELY
IMPACTING SOME CRITICAL UH-1 MISSIONS.

(2) IN ORDER TO ACCURATELY ASSESS THE NEAR AND LONG TERM
REQUIREMENTS FOR TAIL ROTOR BLADES, MANDATORY TIME REPORTING IS
REQUIRED FOR ALL TAIL ROTOR BLADES INSTALLED OR IN LOCAL SUPPLY.

(3) AMCOM ENGINEERING HAS IDENTIFIED A PROCEDURE TO
TEMPORARILY EXTEND THE RETIREMENT LIFE ON TAIL ROTOR BLADES THAT
HAVE REACHED THEIR 1200 HOUR RETIREMENT LIFE. BY PERFORMING THE
INITIAL AND RECURRING INSPECTIONS IN PARAGRAPH 8 OF THIS MESSAGE,

RETIREMENT LIFE OF OTHERWISE SERVICEABLE BLADES CAN BE
EXTENDED TO 1500 FLIGHT HOURS.

(4) THIS AUTHORIZATION WILL EXPIRE NO LATER THAN 11

JUST 2000; HOWEVER, EARLY RESCINDING OF THIS LIFE EXTENSION IS HIGHLY LIKELY. WHEN THIS AUTHORIZATION IS RESCINDED, AIRCRAFT WITH TAIL ROTOR BLADES OVER THE PUBLISHED 1200 HOUR RETIREMENT LIFE WILL BE IMMEDIATELY GROUNDED; THEREFORE, IT IS IMPERATIVE THAT REQUISITIONS ARE IN PLACE TO ALLOW AMCOM TO INTENSIVELY MANAGE THIS SITUATION.

B. FOR MANPOWER/DOWNTIME AND FUNDING IMPACTS SEE PARA 12.

C. THIS MESSAGE HAS TWO PURPOSES:

(1) TO REQUIRE MANDATORY REPORTING (VIA DA FORM 2410) OF THE CURRENT HOURS ON EACH TAIL ROTOR BLADE BOTH IN SUPPLY AND IN SERVICE.

(2) TO IDENTIFY THE INSPECTION (INITIAL AND RECURRING) PROCEDURE TO BE FOLLOWED TO TEMPORARILY EXTEND THE RETIREMENT LIFE OF TAIL ROTOR BLADES FROM 1200 FLIGHT HOURS TO 1500 FLIGHT HOURS.

5. END ITEMS TO BE INSPECTED - ALL UH-1 H/V SERIES AIRCRAFT.

6. ASSEMBLY COMPONENTS TO BE INSPECTED - N/A.

7. PARTS TO BE INSPECTED

NOMENCLATURE	PART NO.	NSN
BLADE, ROTARY RUDDER	204-011-702-15	1615-00-472-7308

8. INSPECTION PROCEDURES -

A. INSPECT AIRCRAFT DA FORM 2408-16 TO DETERMINE THE CURRENT TIME SINCE NEW OF THE TAIL ROTOR BLADES, PART NUMBER 204-011-702-15. COMPLETE AND SUBMIT DA FORM 2410 COPY 3 (USE FAILURE CODE 999) REPORTING THE CURRENT TIME SINCE NEW AND NEXT HIGHER ASSEMBLY (NHA) INFORMATION FOR EACH TAIL ROTOR BLADE INSTALLED. IF IN LOCAL SUPPLY LEAVE THE CURRENT DA FORM 2410 WITH THE TAIL ROTOR BLADE, COPY DATA FROM CURRENT DA FORM 2410 TO A NEW DA FORM 2410 COPY 3 (USE FAILURE CODE 999) BY ENTERING UNINSTALLED IN BLOCK 50 AND COMPLETING THE REMAINDER OF THE FORM PER DA PAM 738-1 DATED MAR 99.

NOTE

TEMPORARY LIFE EXTENSION IS NOT AUTHORIZED ON PART NUMBER 204-011-702-17 (NSN 1615-00-907-0842) TAIL ROTOR BLADES. THE RETIREMENT LIFE ON THESE BLADES REMAINS AT 1200 HOURS.

B. FOR THOSE TAIL ROTOR BLADES THAT SUBSEQUENTLY REACH THE NORMAL 1200 RETIREMENT LIFE, PERFORM THE INSPECTIONS IN PARAGRAPHS 8C AND 8D TO DETERMINE IF THE RETIREMENT LIFE CAN BE TEMPORARILY EXTENDED TO 1500 HOURS.

NOTE

TAIL ROTOR HUB REMOVAL IS NOT REQUIRED TO PERFORM THE INITIAL AND RECURRING 75 HOUR BLADE INSPECTIONS. IAW TM 55-1520-210-23-1 PARAGRAPH 5-96, TAIL ROTOR BALANCING IS NOT REQUIRED IF BLADES ARE REMOVED AND RE-INSTALLED IN THE SAME HUB ASSEMBLY. IF REINSTALLING BLADES IN THE SAME HUB, FOLLOW THE PROCEDURES IN PARAGRAPH 5-93 TO ENSURE THAT THE BLADES AND HARDWARE ARE INSTALLED IN THE SAME LOCATION. A MAINTENANCE TEST FLIGHT IS REQUIRED PRIOR TO RELEASING AIRCRAFT FOR FLIGHT.

NOTE

IN ACCORDANCE WITH TM 55-1520-210-23 (PARA 5-117D), ANY CRACK DETECTED IN ANY LOCATION ON THE BLADE IS CAUSE FOR REPLACEMENT.

C. INITIAL INSPECTION: WHEN A BLADE REACHES 1200 HOURS TSN, REMOVE THE PART FROM THE AIRCRAFT. CLEAN BLADE IAW TM 55-1520-210-23, PARAGRAPH 5-116, AND INSPECT IAW PARAGRAPH 5-117. IN ADDITION TO THE INSPECTIONS IN PARA 5-117, INSPECT THE GRIP PLATE AREA AROUND THE BUSHING BOLT HOLES FOR CRACKS USING EDDY CURRENT

1-1520-256-23, PARAGRAPH 2.41). PERFORM RECURRING INSPECTIONS IAW THE FOLLOWING:

(1) AT EACH 50 HOUR INTERVAL, CLEAN BLADES IAW TM 55 1520-210-23 (PARAGRAPH 1-19) AND INSPECT IN ACCORDANCE WITH PARAGRAPH 5-117 (EXCLUDING PARAGRAPH 5-117F).

(2) AT EACH 75 HOUR INTERVAL, REMOVE THE BLADE FROM THE AIRCRAFT AND INSPECT THE RETENTION BOLT HOLES IAW PARAGRAPH 5-117F. INSPECT THE GRIP PLATE AREA AROUND THE BUSHING BOLT HOLES FOR CRACKS USING EDDY CURRENT (TM 1-1520-256-23, PARAGRAPH 2.41).

NOTE

A PLUS 10% TIME VARIANCE IS NOT AUTHORIZED FOR THE 50 OR 75 HOUR RECURRING INSPECTIONS.

D. AFTER THE LAST FLIGHT OF EACH MISSION DAY - INSPECT BLADES AS FOLLOWS:

(1) USING A 10X MAGNIFYING GLASS, INSPECT THE EXPOSED AREA OF THE TAIL ROTOR BLADE GRIP PLATE FOR CRACKS. PAY PARTICULAR ATTENTION FOR CRACKS EMANATING FROM THE AREA UNDER THE TAIL ROTOR GRIP FLANGES.

(2) VISUALLY INSPECT THE ENTIRE SURFACE OF THE TAIL ROTOR BLADE FOR CRACKS, SKIN SEPARATION OR OTHER DAMAGE. PAY PARTICULAR ATTENTION TO THE AREA FROM THE BLADE DOUBLERS (INCLUDES DOUBLERS) OUTWARD TO STATION 25.

9. CORRECTION PROCEDURES -

A. THOSE BLADES WHICH PASS THE INSPECTIONS IN PARAGRAPH 8C AND 8D MAY REMAIN IN SERVICE UP TO THE TEMPORARY RETIREMENT LIFE OF 1500 HOURS. A DA FORM 2410 (ALL THREE COPIES, COPY 1 FOR THE REMOVAL, COPY 2 FOR THE INSPECTION, AND COPY 3 FOR THE INSTALLATION) SHALL BE SUBMITTED TO AMCOM FOR EACH RECURRING 75 HOUR SPECIAL INSPECTION.

(1) ULLS-A USERS WILL MAKE AN ENTRY IN THE REVISED COMPONENT TBO (RCT) FILE FOR EACH SERIAL NUMBERED BLADE PASSING THE INSPECTION IN PARA 8C ABOVE, TO INCREASE THE RETIREMENT LIFE TO 1500 HRS.

(2) THE RCT FILE MAY BE MODIFIED BY FOLLOWING THE MENU STRUCTURE UNDER PRODUCTION PROCESSES - MASTER FILES MAINTENANCE - ADD/MODIFY/DELETE - REVISED COMPONENT TBO AND THEN ADDING A RECORD. IF USERS HAVE QUESTIONS OR REQUIRE ASSISTANCE CALL MR. AL BURLISON, DSN 746-4468 OR COMMERCIAL (256) 876-4468.

B. REMOVE FROM SERVICE AND DISPOSE OF IAW NORMAL PROCEDURES ANY TAIL ROTOR BLADE THAT REACHES THE TEMPORARY RETIREMENT LIFE OF 1500 HOURS, OR ANY BLADE OVER 1200 HOURS THAT FAILS EITHER THE RECURRING 50 HOUR INSPECTION, RECURRING 75 HOUR INSPECTION (PARAGRAPH 8C) OR THE RECURRING DAILY INSPECTION (PARAGRAPH 8D).

C. ANNOTATE THE DA FORM 2408-18 (ULLS-A UNITS WILL USE TWO OF THEIR 800 INSPECTION NUMBERS) WITH THE FOLLOWING SPECIAL INSPECTION REQUIREMENT-

(1) 50 HOUR SPECIAL T/R BLADE INSPECTION.

(2) 75 HOUR SPECIAL T/R BLADE INSPECTION.

10. SUPPLY/PARTS AND DISPOSITION -

A. PARTS REQUIRED - ITEM CITED IN PARAGRAPH 7 MAY BE REQUIRED TO REPLACE DEFECTIVE ITEMS.

B. REQUISITIONING INSTRUCTIONS - REQUISITION REPLACEMENT PARTS USING NORMAL SUPPLY PROCEDURES. REQUISITIONS FOR UNSERVICEABLE BLADES WITH LESS THAN 1200 HOURS SHALL USE A PROJECT CODE OF "AOG". REQUISITIONS FOR BLADES WHICH HAVE REACHED THE 1200 HOUR LIFE SHALL USE THE PROJECT CODE (CC 57-59) "XF4", "X-RAY-FOXTROT-FOUR".

NOTE

PROJECT CODE "XF4", "X-RAY-FOXTROT-FOUR" IS REQUIRED TO TRACK AND ESTABLISH A DATA BASE OF STOCK FUND EXPENDITURES INCURRED BY