

UNCLASSIFIED

01 12 231414Z JUL 96 PP PP UUUU AA ZYUW  
NO

CDRATCOM ST LOUIS MO//AMSAT-R-X//

AIG 8881

AIG 9004

AIG 9042

AIG 8708

AIG 7515

AIG 7471

AIG 12124

DCM APMO OZARK AL//DCMDS-RCOA//

ASF42 81ST ARCOM DOBBINS AFB GA

CDRAPGSA ABERDEEN PROVING GROUND MD//STEAP-PF-V//

CDRCBDCOM ABERDEEN PROVING GROUND MD//AMSCB-CMA//

JOHNSON CONWORLDSVCINC KWAJALEIN MH//PAT2//

CDR WHITE SANDS MISSILE RANGE NM//STENS-NS-AA-MQA//

USCS CNAC OKLAHOMA CITY OK//AMI//

USDOCO LANDSOUTHEAST IZMIR TU//AV//

FAA SOUTHWEST RGN HQ FORT WORTH TX//ASW-AEG//

DPRO BELL HELICOPTER FORT WORTH TX//DCMDS-RBOB/RBP//

CDRD012THAVNBN DAVIDSON ARMY AIRFIELD FT BELVOIR VA

//ANAV-CBD//

CF: AMSAT-D-WAU, AMSAT-R-ECH, AMSAT-R-EIH, AMSAT-D-SAF,  
AMSAT-D-SLNO(RAAF), AMSAT-I-LOS(AOC)

LYELL MYERS, AEROSPACE ENGINEER      MINIMIZE CONSIDERED  
AMSAT-R-X, X2438

NORBERT R. KNEIPP, X2178

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*UH-1-96-ASAM-03  
UH-1 T/R  
Blades*

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NO

USDAO RANGOON BM  
USCINCPAC REP PHNOM PENH CB  
USDAO COLOMBO CE  
USDAO SUVA FJ  
DSA NEW DELHI IN  
AMEMBASSY ANTANANARIVO MA  
AMEMBASSY PORT LOUIS  
SAO KUALA LUMPUR MY  
AMEMBASSY KATHMANDU NP//POL-MIL//  
AMEMBASSY VICTORIA

UNCLAS

SUBJECT - AVIATION SAFETY ACTION MESSAGE, MAINTENANCE  
MANDATORY, RCS CSGLD-1860(R1), ALL UH-1H/V SERIES, ONE TIME  
AND RECURRING INSPECTION OF UH-1 TAIL ROTOR BLADES (UH-1-96-  
ASAM-03) (TB 1-1520-210-20-32).

NOTE - THIS IS AN AVIATION SAFETY ACTION MESSAGE ISSUED PER  
AR 95-3, CHAPTER 5 REVISION VIA MESSAGE HQ AVSCOM, AMSAV-  
XSOF, 181900Z SEP 90, SUBJECT: CHANGE TO AR 95-3, CHAPTER  
5, SAFETY OF FLIGHT MESSAGES. THIS MESSAGE HAS NOT BEEN  
TRANSMITTED TO UNITS SUBORDINATE TO ADDRESSEES. ADDRESSEES

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COMPLETED.

D. AIRCRAFT IN TRANSIT -

(1) SURFACE/AIR SHIPMENT - WITHIN 25 HOURS OR 30 DAYS  
OF ARRIVAL.

(2) FERRY STATUS - INSPECT AT FINAL DESTINATION.

E. MAINTENANCE TRAINERS (CATEGORY A, B) - N/A.

F. COMPONENT/PARTS IN STOCK INCLUDING WAR RESERVES AT  
ALL LEVELS (DEPOT AND OTHERS) - INSPECT PRIOR TO  
INSTALLATION ON AIRCRAFT OR INDUCTION INTO REPAIR OR  
OVERHAUL.

2. TASK/INSPECTION SUSPENSE DATE - WITHIN 25 HOURS/30 DAYS.

3. REPORTING COMPLIANCE SUSPENSE DATE - NO LATER THAN 14  
AUG 96 PER PARA 14A OF THIS MESSAGE.

4. SUMMARY OF PROBLEM -

A. BELL HELICOPTER HAS DETERMINED THAT A NUMBER OF  
TAIL ROTOR BLADES MAY HAVE BEEN MANUFACTURED WITH INTERNAL  
LEADING EDGE DOUBLERS FABRICATED FROM ALCLAD ALUMINUM  
INSTEAD OF BARE ALUMINUM MATERIAL. THIS MATERIAL MEETS  
DESIGN STRENGTH REQUIREMENTS, HOWEVER, IN BONDED  
APPLICATIONS, ALCLAD ALUMINUM IS NOT AS RESISTANT TO

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CORROSION AS IS BARE ALUMINUM. CORROSION OF THE LEADING  
EDGE DOUBLERS MAY BE IDENTIFIED BY PEELING, FLAKING OR  
BUBBLING PAINT.

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

C. THE PURPOSE OF THIS MESSAGE IS TO REQUIRE A ONE  
TIME INSPECTION OF THE TAIL ROTOR BLADES FOR CORROSION AND  
TO ADD THIS INSPECTION TO THE CURRENT RECURRING SPECIAL  
INSPECTION IN THE MAINTENANCE MANUAL.

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

6. ASSEMBLY COMPONENTS TO BE INSPECTED -

NOMENCLATURE	PART NO.	NSN
TAIL ROTOR HUB AND BLADE ASSEMBLY	204-011-800-27	N/A

7. PARTS TO BE INSPECTED -

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

8. INSPECTION PROCEDURES -

NOTE

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WHEN INSTALLING A NEW OR REPLACEMENT BLADE

INSPECT FOR CORROSION PER THE FOLLOWING REQUIREMENTS.

A. THOROUGHLY CLEAN TAIL ROTOR BLADES.

B. VISUALLY INSPECT THE BLADE FOR PAINT DISTRESS SUCH AS PEELING, FLAKING OR BUBBLING, AND CORROSION ALONG BOND LINES AT THE ROOT AND TIP ENDS OF THE LEADING EDGE, AND THE ABRASION CAP BOND LINE ON BOTH SIDES OF THE BLADE FROM ROOT TO TIP, 1.25 INCH AFT OF LEADING EDGE.

C. IF NO EVIDENCE OF PAINT DISTRESS OR CORROSION IS FOUND IN THESE AREAS, THE BLADE MAY REMAIN IN SERVICE AND THE INSPECTION IS COMPLETE.

D. IF PAINT DISTRESS OR CORROSION IS FOUND, CONTINUE WITH CORRECTIVE PROCEDURES OF PARAGRAPH 9.

9. CORRECTION PROCEDURES -

A. IF PAINT DISTRESS IS NOTED, REMOVE PAINT FROM THE AREA AND INSPECT FOR CORROSION DEPOSITS. IF NO CORROSION DEPOSITS ARE NOTED, REFINISH BLADE IN ACCORDANCE WITH TM 55-1500-345-23.

B. IF CORROSION DEPOSITS ARE FOUND IN THE BOND LINES OF THE AREA IDENTIFIED IN PARAGRAPH 8, NO CORROSION CLEAN-UP IS

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WILL BE CHARGED TO AVUM.

B. ESTIMATED TIME REQUIRED -

- (1) TOTAL OF 1 MANHOURS USING 1 PERSON.
- (2) TOTAL OF 1 HOURS DOWNTIME FOR ONE END ITEM.

C. ESTIMATED COST IMPACT OF STOCK FUND ITEMS TO THE FIELD -

NOMENCLATURE	PART NO./NSN	COST EA.
BLADE, ROTARY	204-011-702-15/1615-00-472-7308	1870.00

D. TB/MWOS TO BE APPLIED PRIOR TO OR CONCURRENTLY WITH THIS INSPECTION - N/A.

E. PUBLICATIONS WHICH REQUIRE CHANGE AS A RESULT OF THIS INSPECTION - TM 55-1520-210-23-1 SHALL BE CHANGED TO REFLECT THIS MESSAGE. THE TM CHANGE WILL ADD THE INSPECTION TO PARA 5-17.H: TO THE EXISTING 50 HOUR/30 DAY MAIN TAIL ROTOR SPECIAL INSPECTION AND TO THE TAIL ROTOR BLADE INSTALLATION SECTION FOR NEW BLADES, PARA 5-95. A COPY OF THIS MESSAGE SHALL BE INSERTED IN THE APPROPRIATE TM AS AUTHORITY TO IMPLEMENT THE CHANGE UNTIL THE PRINTED CHANGE IS RECEIVED.

13. REFERENCES - TM 55-1520-210-23-1, TM 55-1500-345-23.

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