

WESTERN UNION C.R.C.
NCLB DRAWER 38
ALBANY GA 31704 27AM

WESTERN UNION MAILGRAM®



4-005836A119 04/29/91 ICS 00DCRSA ABN BESC
00645 DOD CRC ALBANY GA 291908Z APR 91/119

▶ USDA FOREST SVC AVIATION FIRE MGMT
3905 VISTA AVE
BOISE ID 83705

*T/R Blade
trackings
UH-1-91-ASAM-08*

1 R RUCIFRD5521 1191828 DA-BDCVBA
R 292000Z APR 91 ZEX
FM CDRAVSCOM ST LOUIS MO //AMSAV-XSOP//
TO RUCLRFA/USDA FOREST SERVICE AVIATION FIRE MGMT
//3905 VISTA AVE BOISE ID 83705//
DA-BDCVBA

(1)

UNCLAS
SECTION 01 OF 02

SUBJECT - AVIATION SAFETY ACTION MESSAGE, INFORMATIONAL, ALL UH-1
SERIES AIRCRAFT, ALTERNATE METHOD OF TRACKING TAIL ROTOR BLADES
USING FIXED LENGTH TAIL ROTOR PITCH CHANGE LINKS.

(UH-1-91-ASAM-08)

NOTE - THIS IS AN AVIATION SAFETY ACTION MESSAGE AND HAS NOT BEEN
PAGE 02 RUCIFRD5521 UNCLAS
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 THE MESSAGE.

1. PRIORITY CLASSIFICATION -

A. AIRCRAFT IN USE - N/A.

B. AIRCRAFT IN DEPOT MAINTENANCE - N/A.

C. AIRCRAFT UNDERGOING MAINTENANCE - N/A.

D. AIRCRAFT IN TRANSIT -

(1) SURFACE/AIR SHIPMENT - N/A.

(2) FERRY STATUS - N/A.

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

F. COMPONENT/PARTS IN STOCK INCLUDING WAR RESERVES AT ALL
LEVELS (DEPOT AND OTHERS) - N/A.

G. TASK/INSPECTION SUSPENSE DATE - N/A.

3. REPORTING COMPLIANCE SUSPENSE DATE - N/A.

4. SUMMARY OF PROBLEM -

A. THE NEW ROTOR BLADE TRACK AND BALANCE EQUIPMENT CURRENTLY
BEING ISSUED TO THE FIELD DOES NOT INCLUDE STROBE LIGHT PROVISIONS
TO ALLOW VISUAL TRACKING OF THE UH-1 TAIL ROTOR. THEREFORE AN
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ALTERNATE METHOD FOR SETTING THE PITCH LINKS ON THE TAIL ROTOR
BLADES HAS BEEN DEVELOPED.

B. RESEARCH AND TESTS HAVE SHOWN THAT SETTING THE PITCH LINKS
TO A FIXED LENGTH ACCOMPLISHES TAIL ROTOR TRACKING.

C. THE PURPOSE OF THIS MESSAGE IS TO ADVISE THE FIELD OF AN

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ALTERNATE PROCEDURE FOR SETTING THE TAIL ROTOR PITCH CHANGE LINKS.

5. END ITEMS EFFECTED - ALL UH-1 SERIES AIRCRAFT.

6. ASSEMBLY COMPONENTS EFFECTED -

NOMENCLATURE	PART NO.	NSN
T/R LINK ASSY	204-011-762-11	3040-00-157-5037

7. PARTS TO BE INSPECTED - N/A.

8. INSPECTION PROCEDURES - N/A.

9. CORRECTION PROCEDURES

A. THE CHANGES TO TM 55-1520-210-23-1 AND TM 55-1520-220-23-1 ARE AS FOLLOWS

(1) CHANGE THE FIRST NOTE AFTER PG 5-147, PARA 5-124 OF TM 55-1520-220-23-1 AND PG 5-148, PARA 5-136 OF TM 55-1520-220-23-1 TO READ

"AFTER REPLACEMENT OR INSTALLATION OF TAIL ROTOR HUB BLADES OR PITCH CHANGE SYSTEMS, CHECK TAIL ROTOR RIGGING AND SET PITCH LINKS PAGE 04 RUCIFRDS521 UNCLAS TO 2.11 INCHES BETWEEN THE JAM NUTS. TAIL ROTOR TIP CLEARANCE SHALL BE CHECKED AND BOTH PITCH LINKS ADJUSTED IF NECESSARY. THIS PROCEDURE MAY BE USED INSTEAD OF TRACKING THE TAIL ROTOR BLADES USING A STROBE LIGHT.

(2) CHANGE THE FIRST NOTE AFTER PG 5-160, PARA 5-139 OF TM 55-1520-210-23-1 AND PG 5-148, PARA 5-136 OF TM 55-1520-220-23-1 TO READ

"TAIL ROTOR MUST BE IN TRACK OR PITCH LINKS SET TO 2.11 INCHES BETWEEN JAM NUTS BEFORE BALANCING."

B. THE CURRENT PROCEDURE FOR TRACKING THE TAIL ROTOR BLADES IS NOT BEING REMOVED FROM THE ABOVE MANUALS. INTRODUCTION OF THE ALTERNATE PROCEDURE DOES NOT PRECLUDE UNITS FROM USING THE CURRENT PROCEDURE AS LONG AS THE EQUIPMENT TO PERFORM TRACKING IS AVAILABLE.

10. SUPPLY/PARTS AND DISPOSITION - N/A.

11. SPECIAL TOOLS, JIGS AND FIXTURES REQUIRED - N/A.

12. APPLICATION -

A. CATEGORY OF MAINTENANCE - AVUM.

B. TIME REQUIRED - N/A.

C. TB/NWDS TO BE APPLIED PRIOR TO OR CONCURRENTLY WITH THIS INSPECTION - N/A.

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D. PUBLICATIONS WHICH REQUIRE CHANGE AS A RESULT OF THIS MESSAGE TM 55-1520-210-23-1 AND TM 55-1520-220-23-1 SHALL BE CHANGED TO REFLECT THIS MESSAGE. 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 -

14:20 EST

MGNCRPH