

WESTERN UNION C.R.C.  
MCLB DRAWER 4303B  
ALBANY GA 31704 24AM

WESTERN  
UNION MAILGRAM



1-002326A206 07/24/92 ICS DODCRSE ABN BESA  
00363 DOD CRC ALBANY GA 241014Z JUL 92/206

USDA FOREST SERVICE AVIATION FIRE MGMT  
3905 VISTA AVE  
BOISE ID 83705

*align 90° gearbox  
attach  
fittings*

*①*

*UH-1-92-ASAM-  
-71*

1 R RUCIFR08611 2051811 DA-BDCVBA  
P 231850Z JUL 92 ZEX  
FM CDRATCOM (PROV) ST LOUIS MO//AMSAT-C-XS//  
TO RUCLRFA/USDA FOREST SERVICE AVIATION FIRE MGMT 3905 VISTA AVE  
BOISE ID 83705//  
DA-BDCVBA

UNCLAS RELEASABLE TO NATO ADDRESSEES  
SECTION 1 OF 4

SUBJECT - AVIATION SAFETY ACTION MESSAGE, **MAINTENANCE MANDATORY**. RCS  
CSGLD-1860(R1), ALL UH-1 SERIES AIRCRAFT, ONE TIME AND REPEAT  
**INSPECTIONS OF 90 DEGREE GEARBOX ATTACHMENT FITTING**

(UH-1-92-ASAM-11) (TB 1-1520-242-30-3, WILL REMAIN EFFECTIVE UNTIL 1  
JUL 93 UNLESS SOONER RESCINDED OR SUPERCEDED.)

NOTE - THIS IS AN AVIATION SAFETY ACTION MESSAGE AND HAS NOT BEEN  
TRANSMITTED TO UNITS SUBORDINATE TO ADDRESSEES. ADDRESSES SHOULD  
IMMEDIATELY RETRANSMIT THIS MESSAGE TO ALL SUBORDINATE UNITS,  
ACTIVITIES OR ELEMENTS AFFECTED OR CONCERNED. THE RETRANSMITTAL  
SHALL REFERENCE THE MESSAGE. ACTION ADDRESSES WILL IMMEDIATELY  
VERIFY THIS RETRANSMISSION TO COMMANDER, ATCOM, ATTN - AMSAT-C-XS  
(SOF COMPLIANCE OFFICER).

U. PRIORITY CLASSIFICATION -

A. AIRCRAFT IN USE - UPON RECEIPT OF THIS MESSAGE THE CONDITION  
PAGE 3 RUCIFR08611 UNCLAS

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 B BELOW IS COMPLETED.** 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 MESSAGE HAS BEEN COMPLETED.

D. AIRCRAFT IN TRANSIT -

(1) SURFACE AIR SHIPMENT - WITHIN 30 FLIGHT HOURS OR 45  
DAYS OF ARRIVAL, WHICHEVER OCCURS FIRST.

(2) FERRY STATUS - SAME AS PARA 1A.

E. TRAINERS -

(1) CATEGORY A AND B - SAME AS PARA 1A.



②

(2) MAINTENANCE - N/A.

F. SERVICEABLE COMPONENT PARTS IN STOCK INCLUDING WAR RESERVES AT ALL LEVELS (DEPOT AND OTHERS) - UPON RECEIPT OF THIS MESSAGE ALL PAGE 4 RUCIFRDB611 UNCLAS ITEMS LISTED IN PARAGRAPH 7 BELOW SHALL BE PLACED IN CONDITION CODE //J// AND RETAGGED WITH A MATERIEL CONDITION TAG/LABEL - SUSPENDED (BROWN TAG) DD FORM 1575 OR LABEL DD FORM 1575-1. THE REMARKS BLOCK MUST REFERENCE INSPECTION REQUIRED PER THIS MESSAGE (TBI-1520-242-30-3). UPON COMPLETION OF THE REQUIRED INSPECTION, ITEMS WILL BE RETAGGED EITHER SERVICEABLE (YELLOW TAG) DD FORM 1574 OR UNSERVICEABLE REPARABLE (GREEN TAG) DD FORM 1577-2 DEPENDENT UPON THE RESULTS. NOTE - UNITS THAT DO NOT HAVE THE CAPABILITY TO INSPECT THE SUBJECT UNINSTALLED FITTINGS IN ACCORDANCE WITH THIS MESSAGE, SHIP TO CCAD PER PARA 100.

G. UNINSTALLED SERVICEABLE TAILBOOMS IN STOCK AT ALL LEVELS SHALL BE INSPECTED PER PARA 8C. IF UNABLE TO PERFORM THE REPAIR, CONTACT THE LOG POC IN PARA 16C.

2. TASK INSPECTION SUSPENSE DATE -

A. FOR SPOTFACING REQUIREMENT NEXT PHASE INSPECTION.

B. FOR REMAINING TASKS INSPECTIONS OF PARA 8A, 8B, AND 8C EXCEPT SPOTFACING AS ABOVE IN PARA 2A WITHIN 30 FLIGHT HOURS OR 45 DAYS, WHICHEVER OCCURS FIRST.

3. REPORTING COMPLIANCE SUSPENSE DATE - NO LATER THAN 13 AUG 92 PER PARA 14A OF THIS MESSAGE.

PAGE 5 RUCIFRDB611 UNCLAS

4. SUMMARY OF PROBLEM -

A. INSPECTION OF SEVERAL ALUMINUM 90 DEGREE GEARBOX ATTACHMENT FITTINGS, P/N 204-030-828-103, RECEIVED UNDER CONTRACT NUMBER DAAJ90-91-C-0638 HAS SHOWN THAT THESE FITTINGS ARE NOT SPOTFACED (COUNTERBORED) AS REQUIRED ON THE GEARBOX STUD ATTACHMENT HOLES. INFORMATION SUGGESTS THAT NONE OF THE FITTINGS SUPPLIED UNDER THAT CONTRACT ARE SPOTFACED. THERE IS ALSO A POSSIBILITY THE MAGNESIUM FITTING, P/N 204-030-828-9, BOUGHT ON PREVIOUS CONTRACTS WERE ALSO NOT SPOTFACED. SPOTFACING OF THESE HOLES IS REQUIRED TO ASSURE

U  
PROPER SEATING OF THE GEARBOX ATTACHMENT NUTS AND WASHERS.

B. IN ADDITION, EXAMINATION OF SEVERAL ALUMINUM FITTINGS FROM THE ABOVE CONTRACT SHOWS THAT THE MACHINED SURFACE ON WHICH THE 90 DEGREE GEARBOX MOUNTS IS NOT PERPENDICULAR IN RESPECT TO THE LEGS OF THE FITTING. THIS CAUSES THE LEGS TO BE SKEWED TO THE SIDE. IF INSTALLED, THIS SKEWED CONDITION COULD RESULT IN ONE OF TWO SITUATIONS ADDITIONAL STRESS MAY BE INDUCED IN BOTH THE FITTING AND THE TAIL FIN SPAR; OR, MISALIGNMENT OF THE FLEXIBLE DRIVESHAFT COUPLINGS BETWEEN THE 42 DEGREE AND 90 DEGREE GEARBOXES MAY OCCUR. DUE TO THESE POSSIBLE SCENARIOS, ADDITIONAL INSPECTION REQUIREMENTS ARE NEEDED TO DETECT PREMATURE FAILURE OF THE TAILBOOM STRUCTURE

PAGE 6 RUCIFRDB611 UNCLAS

AND/OR DRIVE TRAIN.

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

D. THE PURPOSE OF THIS MESSAGE IS TO -

(1) INSPECT THE 90 DEGREE GEARBOX ATTACHMENT FITTINGS FOR SPOTFACING.



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(3)

(2) DIRECT SPOTFACING BE PERFORMED ON INSTALLED FITTINGS THAT ARE NOT SPOTFACED.

(3) INITIATE ADDITIONAL INSPECTIONS OF AIRCRAFT WITH SUSPECT FITTINGS INSTALLED.

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

6. ASSEMBLY COMPONENTS TO BE INSPECTED -

NOMENCLATURE	PART NO.	NSN
--------------	----------	-----

U

TAIL BOOM ASSEMBLY	ALL	ALL
--------------------	-----	-----

7. PARTS TO BE INSPECTED -

NOMENCLATURE	PART NO.	NSN
--------------	----------	-----

FITTING ASSEMBLY	204-030-828-9	1560-00-990-3734
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FITTING ASSEMBLY	204-030-828-103	1560-00-990-3734
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8. INSPECTION PROCEDURES -

A. UNINSTALLED FITTINGS - INSPECT FITTING ASSEMBLY FOR THE VIBRO-ETCHED MANUFACTURERS CODE "62810" LOCATED NEAR THE RAISED

06:26 EST

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1-002348A206 07/24/92 ICS DDDCRSD ABN BESC  
00371 DOD CRC ALBANY GA 241016Z JUL 92/206

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

1 R RUCIFRDB612 2051812 DA-BDCVBA  
P 231850Z JUL 92 ZEX  
FM CDRAFCOM (PROV) ST LOUIS MO//AMSAT-C-XS//  
TO RUCLRFA/USDA FOREST SERVICE AVIATION FIRE MGMT 3905 VISTA AVE  
BOISE ID 83705//  
DA-BDCVBA

SECTION 2 OF 4

PART NUMBER ON THE "AS CAST" SURFACE OF THE FITTING. THIS IS THE SURFACE YOU SEE WHEN LOOKING AFT AS THE FITTING IS INSTALLED. DO NOT MISTAKE THE AVSCOM CODE "81996", WHICH IS ALSO VIBRO-ETCHED ON THE FITTING, WITH THE MANUFACTURERS CODE. IF THE "62810" CODE IS POSITIVELY IDENTIFIED, RETURN FITTINGS TO CCAD FOR INSPECTION PER PARA 10D. IF THE CODE IS NOT "62810", THE FITTING IS CONSIDERED TO BE SERVICEABLE AND SHALL BE TAGGED IAW PARA 14.

B. CERTAIN SERIAL NUMBERED INSTALLED TAILBOOMS - INSPECT AIRCRAFT RECORDS FOR THE FOLLOWING TAILBOOM SERIAL NUMBERS

ABD-0241  
ABD-0254  
ABD-0258  
ABD-04447  
ABD-04644  
ABD-04806

PAGE 3 RUCIFRDB612 UNCLAS

ABD-05659  
ABD-2273

U  
A

ABD-2602  
ABD-2782  
ABD-3093  
BBBBD-3978  
BBBD-2602  
BBBD-4064  
BD-1145

IF ONE OF THESE SERIAL NUMBERED TAILBOOMS IS INSTALLED, ACCOMPLISH THE CORRECTIVE ACTIONS OF PARA 9B(1) AND 9B(2).

C. INSTALLED FITTINGS ON SERVICEABLE TAILBOOMS AND/OR AIRCRAFT - GAIN ACCESS TO THE FITTING ASSEMBLY P/N 204-030-828-9 AND P/N 202-030-828-103. INSPECT THE SURFACE OF THE FITTING WHERE THE NUTS AND WASHERS SEAT WHICH ATTACH THE 90 DEGREE GEARBOX. THESE SIX GEARBOX ATTACHMENT HOLES SHOULD BE SPOTFACED (COUNTERBORED) TO

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5

PROVIDE A FLAT SURFACE FOR THE WASHER TO SEAT. IT MAY BE NECESSARY TO REMOVE ONE NUT FROM A GEARBOX STUD TO VERIFY SPOTFACING.

(1) IF THE HOLES ARE SPOTFACED, COMPLIANCE WITH THIS MESSAGE IS CONSIDERED COMPLETE.

PAGE 4 RUCIFRDB612 UNCLAS

(2) IF THE HOLES ARE NOT SPOTFACED, ACCOMPLISH THE FOLLOWING -

## NOTE

AS STATED ABOVE, THE FITTING PART NUMBER IS RAISED. HOWEVER, THE LAST DIGIT OF THE PART NUMBER IS VIBRO ETCHED AND MAY BE DIFFICULT TO READ. IF SO, THE -103 CAN BE DISTINGUISHED FROM THE -9 BY THE RAISED "10" (READ DASH ONE ZERO) OF THE PART NUMBER.

(A) FITTINGS ON TAILBOOMS - CONTACT THE LOGISTICAL POINT OF CONTACT LISED IN PARA 1&C. FOR FURTHER DIRECTION.

(B) FITTINGS ON AIRCRAFT - P/N 204-030-828-9 FITTINGS SHALL HAVE THE CORRECTION PARA 9A ACCOMPLISHED. P/N 204-030-828-103 FITTINGS SHALL HAVE THE CORRECTION OF PARA 9A AND 9B ACCOMPLISHED.

## 9. CORRECTION PROCEDURES -

## A. SPOTFACE PROCEDURE

(1) REMOVE 90 DEGREE GEARBOX PER TM55-1520-210-23-1 OR TM 55-1520-220-23-1.

(2) THOROUGHLY CLEAN FITTING AROUND GEARBOX ATTACHMENT HOLES TO REMOVE OLD SEALANT.

( ) SPOTFACING OF THESE HOLES ON FITTING INSTALLED ON TAILBOOMS REQUIRES THE USE OF A BACK SPOT FACING TOOL, 3/4 INCH IN PAGE 5 RUCIFRDB612 UNCLAS

DIAMETER WITH A DRIVER TO FIT A 5/16 INCH PILOT HOLE (CLEVELAND TWIST DRILL LIST NO. 1655, EDP 46942; OR EQUIVELANT). LOCAL PURCHASE THE SPECIAL TOOL AS LISTED IN PARA 11.

## NOTE

THE THICKNESS OF THE FITTING AT THE HOLE LOCATION MUST BE A MINIMUM OF 1.03 INCH AFTER ACCOMPLISHMENT OF SPOTFACING.

(4) ACCOMPLISH SPOTFACE AS FOLLOWS

- ATTACH (MOUNT) SPOTFACING TOOL DRIVER IN PORTABLE DRILL.
- INSERT DRIVER THROUGH FITTING HOLE.
- ATTACH SPOTFACING CUTTER TO DRIVER.
- OPERATING THE DRILL, PULL CUTTER SLOWLY AGAINST THE FITTING REMOVING ENOUGH METAL TO FORM A COMPLETE CIRCULAR SPOTFACE OF THE HOLE.
- REMOVE THE SPOTFACING TOOL AND CHECK THE THICKNESS OF THE FITTING AT THE SPOTFACED AREA. THE THICKNESS SHOULD BE 1.03 TO 1.13 INCH.
- IF NECESSARY, REPEAT THE ABOVE PROCEDURE UNTIL THE PROPER THICKNESS IS ACHIEVED.

PAGE 6 RUCIFRDB612 UNCLAS

## NOTE

THE SPOTFACE TOOL WILL OVERLAP THE LARGE CENTER HOLE. THIS IS CONSIDERED NORMAL.

- TREAT SPOTFACED AREA IN ACCORDANCE WITH TM55-1500-344-23. THE -9 FITTING IS MAGNESIUM AND THE -103 FITTING

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6

IS ALUMINUM.

(5) REINSTALL 90 DEGREE GEARBOX PER TM55-1520-210-23-1 OR TM22-1520-220-23-1.

(6) THE BACK SPOTFACE PROECEDURE MAY ALSO BE USED ON UNINSTALLED FITTINGS; HOWEVER, THE USE OF A STANDARD 3/4 INCH COUNTERBORE TOOL WITH 5/16 INCH PILOT IS AUTHORIZED.

B. P/N 204-030-828-103 FITTINGS THAT ARE IDENTIFIED TO MANUFACTURERS CODE 62810 SHALL HAVE THE FOLLOWING ACCOMPLISHED

(1) INSTALLED FITTINGS SHALL REMAIN INSTALLED

(A) DRIVESHAFT COUPOING INSPECTION -

NOTE

INSPECTION OF DRIVESHAFT COUPLINGS IS REQUIRED DUE TO POSSIBLE DRIVESHAFT MISALIGNMENT CAUSED BY THE SUSPECT FITTING. AS DIRECTED BELOW, REPLACEMENT OF BOTH THE COUPLINGS AND FITTING MAY BE

06:40 EST

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MCLB DRAWER 43038  
ALBANY GA 31704 24AM

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1-002302A206 07/24/92 ICS DODCRSA ABN BESB  
00351 DOD CRC ALBANY GA 241000Z JUL 92/206

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USDA FOREST SVC AVIATION FIRE MGMT  
3905 VISTA VE  
BOISE ID 83705

1 R RUCIFRDB613 2051011 DA-BDCVBA  
P 231050Z JUL 92 ZEX  
FM CDRATCOM (PROV) ST LOUIS MO//AMSAT-C-XS//  
TO RUCLRFA/USDA FOREST SERVICE AVIATION FIRE MGMT 3905 VISTA AVE  
//BOISE ID 83705//  
DA-BDCVBA  
UNCLAS RELEASABLE TO NATO ADDRESSEES  
SECTION 3 OF 4  
NECESSARY.

- INSPECT FLEXIBLE DRIVESHAFT COUPLINGS BETWEEN  
THE 42 DEGREE AND 90 DEGREE GEARBOXES PER PARA 6-200.1 OF  
TM55-1520-210-23-1 OR PARA 6-247.1 OF TM55-1520-220-23-1. REPALCE  
COUPLINGS WHICH FAIL INSPECTION CRITERIA.

NOTE

IF A COUPLING INSPECTION HAS BEEN PERFORMED WITHIN THE LAST 50  
FLIGHT HOURS, THAT INSPECTION MAY BE USED IN LIEU OF THE PRECEDING  
COUPLING INSPECTION.

- REINSPECT COUPLINGS AGAIN AFTER 50 FLIGHT  
HOURS. IF COUPLINGS FAIL INSPECTION CRITERIA, REPLACE COUPLINGS AND  
90 DEGREE GEARBOX ATTACHMENT FITTING. REPLACEMENT OF THE FITTING IS  
A DEPOT LEVEL MAINTENANCE OPERATOON. HOWEVER, CERTAIN AVIM UNITS  
MAY BE GRANTED AUTHORITY TO REPLACE THE FITTING WITH THE APPROVAL OF  
PAGE 3 RUCIFRDB613 UNCLAS  
THE MAINTENANCE POC OF PARA 16G.

(2) THE FOLLOWING SHALL BE ADDED TO TM 55-1520-210-PMD,  
SEQUENCE NUMBER 4.10 AND TM 55-1520-220-PMD, SEQUENCE NUMBER 4.6 -  
"INSPECT FOR LOOSE OR MISSING RIVETS ATTACHING THE 90  
DEGREE GEARBOX ATTACHMENT FITTING."

(3) RETURN THE SUSPECT UNINSTALLED 90 DEGREE GEARBOX  
ATTACHMENT FITTING PER PARA 10D.

C. LOCAL PURCHASE OF THE FITTING IS NOT AUTHORIZED.

10. SUPPLY/PARTS AND DISPOSITION -

A. PARTS REQUIRED - ITEMS CITED IN PARAGRAPHS 6 AND 7 MAY BE  
REQUIRED TO REPLACE DEFECTIVE ITEMS.

B. REQUISITIONING INSTRUCTIONS - REQUISITION REPLACEMENT  
PARTS THROUGH NORMAL SUPPLY CHANNELS USING NORMAL SUPPLY PROCEDURES.  
MANDATORY ENTRIES ON REQUISITIONS AND TURN-IN DOCUMENTS ARE

(1) SIGNAL CODE (CC51) SHALL BE "C" (CHARLIE) OR "L"  
(LIMA).

(2) FUND CODE (CC52-53) SHALL BE "H1" (HOTEL-ONE).

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(3) PROJECT CODE (CC57-59) SHALL BE "CSP"  
(CHARLIE-SIERRA-PAPA).

## NOTE

PAGE 4 RUCIFRDB613 UNCLAS  
PROJECT CODES AND FUND CODES WILL PROVIDE A MEANS TO COLLECT  
HISTORICAL DATA TO SUPPORT FUTURE BUDGET SUBMISSIONS. USE OF OTHER  
SIGNAL CODES, FUND CODES, OR PROJECT CODES WILL RESULT IN THE  
CUSTOMER PAYING FOR THE PART OR A REQUISITION REJECTION. CODES  
LISTED IN PARA 10B(1)-(3) MUST APPEAR ON BOTH THE REQUISITION AND  
TURN-IN DOCUMENTS.

C. BULK AND CONSUMABLE MATERIALS - N/A.

D. DISPOSITION -

(1) RETURN THE SUSPECT UNINSTALLED 90 DEGREE GEARBOX  
ATTACHMENT FITTING TO -

DODAAC W4SN7V  
CORPUS CHRISTI ARMY DEPOT  
SDSCC-MSE  
ATTN MS. TAMMY TUTTLE  
CORPUS CHRISTI, TX 78419

- NOTE -

LIST CONTRACT NUMBER SUCH AS DAAJ09-91-C-0638, ETC.

(2) FITTINGS REMOVED FROM THE AIRCRAFT AS A RESULT OF THIS  
MESSAGE SHALL BE DISPOSED OF IAW NORMAL SUPPLY PROCEDURES.

E. DISPOSITION OF HAZARDOUS MATERIAL - N/A.

PAGE 5 RUCIFRDB613 UNCLAS

11. SPECIAL TOOLS, JIGS AND FIXTURES REQUIRED - (AS REQUIRED PER  
MESSAGE)

BACK SPOTFACE TOOL

NOTE

THIS CAN BE LOCAL PURCHASED IN CONUS OR OCONUS FROM -  
CLEVELAND TWIST DRILL COMPANY  
P/N 1655EDP46942  
CLEVELAND, OH  
PHONE - 216/431-5050  
ATTN: MS. CAROL HULEC

12. APPLICATION -

A. CATEGORY OF MAINTENANCE -

(1) INSPECT FOR MANUFACTURER'S CODE - AVUM.

(2) SPOTFACE THE 6 HOLES - AVIM.

AIRCRAFT DOWNTIME WILL BE CHARGED TO AVUM OR AVIM MAINTENANCE AS  
APPROPRIATE.

B. TIME REQUIRED -

(1) TO INSPECT FOR DISCREPANT FITTINGS -

(A) TOTAL OF .25 MANHOURS USING 1 PERSON.

(B) TOTAL OF .25 HOURS DOWNTIME FOR ONE END ITEM.

PAGE 6 RUCIFRDB613 UNCLAS

(2) TIME REQUIRED TO SPOTFACE FITTING -

(A) TOTAL OF 16 MANHOURS USING 2 PERSONS.

(B) TOTAL OF 8 HOURS DOWNTIME FOR ONE END ITEM.

(3) TIME REQUIRED TO INSPECT TAIL ROTOR DRIVESHAFT

COUPLINGS -

(A) TOTAL OF 4 MANHOURS USING 1 PERSON.



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9

(B) TOTAL OF 4 HOURS DOWNTIME FOR ONE END ITEM.

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

NOMENCLATURE	PART NO.	QTY	COST EA.
BACK SPOTFACE TOOL	1655EDP46942	1	APPROX. \$42.00
TOTAL COST FOR AVIM UNIT = APPROX. \$42.00			

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-PMD
- TM 55-1520-220-PMD
- DMWR 55-1560-222

SHALL BE CHANGED TO REFLECT THIS MESSAGE. A COPY OF THIS MESSAGE SHALL BE INSERTED IN THE APPROPRIATE PUBLICATION AS AUTHORITY TO

06:20 EST

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WESTERN UNION C.R.C.  
MCLB DRAWER 43038  
ALBANY GA 31704 31AM

WESTERN UNION MAILGRAM



1-002318A213 07/31/92 ICS DODCRSB ABN WWSB  
00357 DOD CRC ALBANY GA 241012Z JUL 92/206

USDA FOREST SERVICE  
PO BOX 96090  
WASHINGTON DC 20090

F A M

① Tom,  
Return to  
me after reading  
we should miss  
all A/C  
UH-1-92-ASAM-11

1 R RUCIFRD8611 2051811 DA-BDCVBA  
P 231850Z JUL 92 ZEX  
FM CDRATCOM (PROV) ST LOUIS MO//AMSAT-C-XS//  
TO RUCLRFA/USDA FOREST SERVICE PO BOX 96090 WASHINGTON DC 20090-6090  
//COOPERATIVE FIRE PROTECTION//  
DA-BDCVBA

UNCLAS RELEASABLE TO NATO ADDRESSEES  
SECTION 1 OF 4

SUBJECT - AVIATION SAFETY ACTION MESSAGE, MAINTENANCE MANDATORY. RCS  
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(SOP COMPLIANCE OFFICER).

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PAGE 3 RUCIFRD8611 UNCLAS

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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  
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D. AIRCRAFT IN TRANSIT -

(1) SURFACE AIR SHIPMENT - WITHIN 30 FLIGHT HOURS OR 45  
DAYS OF ARRIVAL, WHICHEVER OCCURS FIRST.

(2) FERRY STATUS - SAME AS PARA 1A.

E. TRAINERS -

(1) CATEGORY A AND B - SAME AS PARA 1A..

(2) MAINTENANCE - N/A.





(2)

F. SERVICEABLE COMPONENT PARTS IN STOCK INCLUDING WAR RESERVES AT ALL LEVELS (DEPOT AND OTHERS) - UPON RECEIPT OF THIS MESSAGE ALL PAGE 4 RUCIFRD8611 UNCLAS ITEMS LISTED IN PARAGRAPH 7 BELOW SHALL BE PLACED IN CONDITION CODE //J// AND RETAGGED WITH A MATERIEL CONDITION TAG/LABEL - SUSPENDED (BROWN TAG) DD FORM 1575 OR LABEL DD FORM 1575-1. THE REMARKS BLOCK MUST REFERENCE INSPECTION REQUIRED PER THIS MESSAGE (TBI-1520-242-30-3). UPON COMPLETION OF THE REQUIRED INSPECTION, ITEMS WILL BE RETAGGED EITHER SERVICEABLE -YELLOW TAG) DD FORM 1574 OR UNSERVICEABLE REPARABLE (GREEN TAG) DD FORM 1577-2 DEPENDENT UPON THE RESULTS. NOTE - UNITS THAT DO NOT HAVE THE CAPABILITY TO INSPECT THE SUBJECT UNINSTALLED FITTINGS IN ACCORDANCE WITH THIS MESSAGE, SHIP TO CCAD PER PARA 10D.

G. UNINSTALLED SERVICEABLE TAILBOOMS IN STOCK AT ALL LEVELS SHALL BE INSPECTED PER PARA 8C. IF UNABLE TO PERFORM THE REPAIR, CONTACT THE LOG POC IN PARA 16C.

2. TASK INSPECTION SUSPENSE DATE -

A. FOR SPOTFACING REQUIREMENT NEXT PHASE INSPECTION.

B. FOR REMAINING TASKS INSPECTIONS OF PARA 8A, 8B, AND 8C EXCEPT SPOTFACING AS ABOVE IN PARA 2A WITHIN 30 FLIGHT HOURS OR 45 DAYS, WHICHEVER OCCURS FIRST.

3. REPORTING COMPLIANCE SUSPENSE DATE - NO LATER THAN 13 AUG 92 PER PARA 14A OF THIS MESSAGE.

PAGE 5 RUCIFRD8611 UNCLAS

4. SUMMARY OF PROBLEM -

A. INSPECTION OF SEVERAL ALUMINUM 90 DEGREE GEARBOX ATTACHMENT FITTINGS, P/N 204-030-828-103, RECEIVED UNDER CONTRACT NUMBER DAAJ90-91-C-0638 HAS SHOWN THAT THESE FITTINGS ARE NOT SPOTFACED (COUNTERBORED) AS REQUIRED ON THE GEARBOX STUD ATTACHMENT HOLES. INFORMATION SUGGESTS THAT NONE OF THE FITTINGS SUPPLIED UNDER THAT CONTRACT ARE SPOTFACED. THERE IS ALSO A POSSIBILITY THE MAGNESIUM FITTING, P/N 204-030-828-9, BOUGHT ON PREVIOUS CONTRACTS WERE ALSO NOT SPOTFACED. SPOTFACING OF THESE HOLES IS REQUIRED TO ASSURE PROPER SEATING OF THE GEARBOX ATTACHMENT NUTS AND WASHERS.

B. IN ADDITION, EXAMINATION OF SEVERAL ALUMINUM FITTINGS FROM THE ABOVE CONTRACT SHOWS THAT THE MACHINED SURFACE ON WHICH THE 90 DEGREE GEARBOX MOUNTS IS NOT PERPENDICULAR IN RESPECT TO THE LEGS OF THE FITTING. THIS CAUSES THE LEGS TO BE SKEWED TO THE SIDE. IF INSTALLED, THIS SKEWED CONDITION COULD RESULT IN ONE OF TWO SITUATIONS ADDITIONAL STRESS MAY BE INDUCED IN BOTH THE FITTING AND THE TAIL FIN SPAR; OR, MISALIGNMENT OF THE FLEXIBLE DRIVESHAFT COUPLINGS BETWEEN THE 42 DEGREE AND 90 DEGREE GEARBOXES MAY OCCUR. DUE TO THESE POSSIBLE SCENARIOS, ADDITIONAL INSPECTION REQUIREMENTS ARE NEEDED TO DETECT PREMATURE FAILURE OF THE TAILBOOM STRUCTURE  
PAGE 6 RUCIFRD8611 UNCLAS  
AND/OR DRIVE TRAIN.

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

D. THE PURPOSE OF THIS MESSAGE IS TO -

(1) INSPECT THE 90 DEGREE GEARBOX ATTACHMENT FITTINGS FOR SPOTFACING.

(2) DIRECT SPOTFACING BE PERFORMED ON INSTALLED FITTINGS THAT ARE NOT SPOTFACED.



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3

(3) INITIATE ADDITIONAL INSPECTIONS OF AIRCRAFT WITH  
▶ SUSPECT FITTINGS INSTALLED.

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

6. ASSEMBLY COMPONENTS TO BE INSPECTED -

NOMENCLATURE	PART NO.	NSN
TAIL BOOM ASSEMBLY	ALL	ALL

7. PARTS TO BE INSPECTED -

NOMENCLATURE	PART NO.	NSN
FITTING ASSEMBLY	204-030-828-9	1560-00-990-3734
- FITTING ASSEMBLY	204-030-828-103	1560-00-990-3734

8. INSPECTION PROCEDURES -

A. UNINSTALLED FITTINGS - INSPECT FITTING ASSEMBLY FOR THE VIBRO-ETCHED MANUFACTURERS CODE "62810" LOCATED NEAR THE RAISED

09:49 EST

MGMCOMP