

CV MSG # TIME RADA
07452 2354 131784

IMMEDIATE

32000W 940TH 453FTS ZGRF WERO HCB ACF ADC ACE-DET ABG/CC PTM/CC AUDITOR
CAP 2034188 COMSEC DAFD M/DO DOJ DDOO DDOO DDOZ DOTH DPC DPM PCS IRDM
IN LCC LCB LCT NA NAVY NCAK OSI OT PA SE SG SS SSP SV T/A WEA WRAE WRF

ARMY

BT
2357
NA

CTUZEXM RULNERAL304 1312250-0000-RUMNDA.22
112250Z MAY 86
FM ARMO HCB APC ND //HCB-RVN//
TO RIG 7401
RUCLENA/TAC VI BT CROIX VI
ACCT DA-BHCSVD
O 111815Z MAY 86
FM COMNAVSCOM STL HQ //ANSV-ME//
TO RIG 8881
RIG 9004
RIG 8708
RIG 9042
RIG 7515
RUCMTRG/US EMBASSY ROME ITALY //ODC/PASS TO HQ NFO//
RUCLENA/US EVN PROT AGY REGION 11 2D FEDERAL PLAZA NY NY
RUCLENA/NOAA OF CO ACFT OPERATIONS ACFT MAINT DIV MIAMI FL //
33102 (TELEX NO 88B199)//
RUCENH/AIT TAIPEI TAIWAN
RUCENH/AIT WASH DC
RUCENH/COMUSMILEP SAN SALVADOR ES //SCES-AF//
RUCENH/COMUSMILEP TEGUCIGALPA HO
RUCENH/COMUSMILEP BOGOTA CO //SCCD-AFDCM//
RUCEDDA/COMJTF-B PALMEROLA AB NO //AVH//
RUCEDDA/COMNCOM REDSTONE ARSENAL AL //ANSHI-ST//
RUCVRA/US CUSTOMS SERVICE DEPT OF TREASURY WASH DC
INFO RUEVTY/CUSDAO TEL AVIV ISRAEL //NFO//
RUC/SECSTATE WASH DC //HEA/NFO//
RM AAA/KAC SCOTT AFB IL //LGHUB/DOV/IGF//

PAGE 02 RUCIPRD4304 UNCLAS
RUFLEA/USDOCO LANDSOUTHEAST IZMIR TU //AV//
RUCOPNA/DISC PHILADELPHIA PA //DEBB-JU//
RUCMBT/COMUSMAC BANGKOK THAILAND
RAYAAC/HQSCLOGENG MELBOURNE AUSTRALIA //SOAIRENG//
RAYMPP/DEFAIR TECHN CANBERRA AUSTRALIA //DAIRENG-AF//
GRHEL-AF//
RUCAKKE/AUSTAIR WASH DC //SENGSO//
RUCVDFL/USDA FOREST SERVICE PO BOX 2417 WASH DC
//COOPERATIVE FIRE PROTECTION//
RUCPCLA/LOG CON OTTAWA CANADA //DTHEN L-2//
ACCT DA-BHCSVD
BT

4A-1-86-06
swalplate
turnion legs

UNCLAS
SECTION 01 OF 02
RIG 9004 TAKE FOR INFO ONLY
RIG 8708 TAKE FOR INFO ONLY
RIG 7515 TAKE FOR INFO ONLY
RIG 9042 TAKE FOR INFO ONLY

SUBJECT SAFETY OF FLIGHT MESSAGE. TECHNICAL. HQS C96LD-1840R11.1
UH-1H-1 SERIES AIRCRAFT ONE TIME INSPECTION OF TURNION BEARINGS.
UH-1A-06-LTR 55-1520-242-20-211

SJF-4

12 MAY 1986

4. REPORTING SUSPENSE DAT () NO LATER THAN 10 DAYS AF () R RECEIPT

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1. THIS MESSAGE.

2. TASK/INSPECTION SUSPENSE DATE - INSPECT WITHIN 20 FLIGHT HOURS OR SIXTY DAYS AFTER RECEIPT OF THIS MESSAGE.

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. ACTION ADDRESSEES WILL IMMEDIATELY VERIFY THIS RETRANSMISSION TO COMMANDER, AVSCOM, ATTN - AMSAV-ME (SOF COMPLIANCE OFFICER).

3. REFERENCE - TM 55-1520-210-27-1, AVIATION UNIT AND INTERMEDIATE INSTRUCTIONS ARMY MODEL UH-1D/H/EM-1H HELICOPTERS DATED 20 FEB 79 AND CHANGES THROUGH CHANGE 53, 29 JAN 84.

4. SUMMARY OF PROBLEM.

a. A CATEGORY I E.I.R. HAS BEEN RECEIVED OF A TRUNNION, P/N 204-011-401-1, STARTING TO DISENGAGE FROM IT'S MATING BORE IN THE SWASHPLATE AND SUPPORT ASSEMBLY. THE WHITE DRIVE LINK ON THE SCISSORS AND SLEEVE ASSEMBLY WAS HITTING THE SWASHPLATE INNER RING HORNS WHILE ROTATING. THE TRUNNION DISENGAGEMENT HAS BEEN ATTRIBUTED TO MISALIGNMENT OF THE TRUNNION IN THE SWASHPLATE BORE.

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5. THIS MESSAGE DIRECTS A ONE-TIME INSPECTION OF TRUNNION BEARINGS AND ASSOCIATED HARDWARE.

6. PRIORITY CLASSIFICATION.

NOTE - SEE AR 95-18, PARA 9, FOR NONCOMPLIANCE AUTHORITY OF MAJOR COMMANDERS.

a. AIRCRAFT IN USE-UPON RECEIPT OF THIS MESSAGE THE CONDITION STATUS SYMBOL OF THE CITED AIRCRAFT WILL BE CHANGED TO A CIRCLE RED //X//. THE CIRCLE RED //X// MAY BE CLEARED WHEN THE INSPECTION OF P 9 BELOW 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//. WHILE THE AIRCRAFT IS ON A CIRCLE RED //X// IT WILL BE REPORTED AS FULLY MISSION CAPABLE (FMC). THE PARTIALLY MISSION CAPABLE (PMC) REQUIREMENTS ARE TO BE IN ACCORDANCE WITH AR 700-138.

b. AIRCRAFT IN DEPOT STOCK - AIRCRAFT WILL NOT BE ISSUED UNTIL COMPLIANCE WITH THIS SOF HAS BEEN COMPLETED.

c. AIRCRAFT UNDER GOING MAINTENANCE - AIRCRAFT WILL NOT BE RELEASED FOR FLIGHT UNTIL COMPLIANCE WITH THIS MESSAGE HAS BEEN COMPLETED.

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7. AIRCRAFT IN TRANSIT

(1) SURFACE/AIR SHIPMENT - INSPECT AT FINAL DESTINATION.

(2) FERRY STATUS - INSPECT AT FINAL DESTINATION.

8. MAINTENANCE TRAINERS (CATEGORY Y AND B) - INSPECT WITHIN NINETY DAYS.

9. COMPONENTS IN STOCK AT ALL LEVELS - NOT APPLICABLE.

10. END ITEMS TO BE INSPECTED.

MODEL NUMBER

UH-1H
EH-1H
UH-1V

ASSEMBLY COMPONENTS TO BE INSPECTED

NOMENCLATURE	PART NUMBER	STOCK NUMBER
SMASHPLATE & SUPPORT ASSY	204-011-400-11	1615-00-060-1062

PARTS TO BE INSPECTED

PART NUMBER	NOMENCLATURE	STOCK NUMBER
A. KSP 9001-3	TRUNNION	1615-00-412-9270
B. KSP 9001-5	TRUNNION	1615-00-157-5729
C. AN4H23A	BOLT	5306-00-182-2039
D. AN4H24A	BOLT	5306-00-182-2018

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E. AN4H26A	BOLT	5306-00-182-2020
F. 204-011-451-1	TRUNNION	NO NSN
G. KSP9001-5/3/1	TRUNNION	1615-00-157-5729

4. APPLICATION -

A. CATEGORY OF MAINTENANCE - AVUM. AIRCRAFT DOWNTIME WILL BE CHARGED TO AVUM.

B. TIME REQUIRED

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

C. TB/NBOS TO BE APPLIED CONCURRENTLY - NONE.

D. PUBLICATIONS WHICH REQUIRE CHANGE - NONE.

7. SUPPLY/PARTS AND DISPOSITION - SEE PARAGRAPH 9.

8. SPECIAL TOOLS/JIGS AND FIXTURES - NONE.

9. INSPECTION PROCEDURES - (SEE REF C, CHAPTER 5).

BT

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GENERAL	PART NUMBER	STOCK NUMBER
SWASHPLATE & SUPPORT ASSY	204-011-400-11	1L15-00-060-1062
PARTS TO BE INSPECTED		
PART NUMBER	NUMBER	STOCK NUMBER
A. KSP 9001-3	TRUNNION	1L15-00-412-5270
B. KSP 9001-5	TRUNNION	1L15-00-157-5729
C. AN4H23A	BOLT	530L-00-182-2029
D. AN4H24A	BOLT	530L-00-182-2018

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E. AN4H26A	BOLT	530L-00-182-2020
F. 204-011-451-1	TRUNNION	N9 NSH
G. KSP9001-5/3/1	TRUNNION	1L15-00-157-5729

4. APPLICATION -

A. CATEGORY OF MAINTENANCE - AVUM. AIRCRAFT DOWNTIME WILL BE CHANGED TO AVUM.

B. TIME REQUIRED

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

C. TG/HWGS TO BE APPLIED CONCURRENTLY - NONE.

D. PUBLICATIONS WHICH REQUIRE CHANGE - NONE.

5. SUPPLY/PARTS AND DISPOSITION - SEE PARAGRAPH 9.

6. SPECIAL TOOLS/JIGS AND FIXTURES - NONE.

7. INSPECTION PROCEDURES - (SEE REF C, CHAPTER 3).

BT

#4304

NNNN

4. REPORTING SUSPENSE DATE - NO LATER THAN 10 DAYS AFTER RECEIPT

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OF THIS MESSAGE.

5. TASK/INSPECTION SUSPENSE DATE - INSPECT WITHIN 20 FLIGHT HOURS OR SIXTY DAYS AFTER RECEIPT OF THIS MESSAGE.

NOTE - THIS IS A SAFETY-OF-FLIGHT MESSAGE AND HAS NOT, REPEAT, HAS NOT BEEN TRANSMITTED TO UNITS SUBORDINATE TO ADDRESSEES.

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C. REFERENCE - TM 55-1520-210-23-1, AVIATION UNIT AND INTERMEDIATE INSTRUCTIONS ARMY MODEL UH-10/H/EN-1H HELICOPTERS DATED 20 FEB 79 AND CHANGES THROUGH CHANGE 53, 29 JAN 84.

1. SUMMARY OF PROBLEM.

A. A CATEGORY 1 E.I.R. HAS BEEN RECEIVED OF A TRUNNION, P/N 204-011-401-1, STARTING TO DISENGAGE FROM IT'S MATING BORE IN THE SWASHPLATE AND SUPPORT ASSEMBLY. THE WHITE DRIVE LINK ON THE SCISSORS AND SLEEVE ASSEMBLY WAS HITTING THE SWASHPLATE INNER RING HORNS WHILE ROTATING. THE TRUNNION DISENGAGEMENT HAS BEEN ATTRIBUTED TO MISALIGNMENT OF THE TRUNNION IN THE SWASHPLATE BORE.

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1. THIS MESSAGE DIRECTS A ONE-TIME INSPECTION OF TRUNNION BEAR-

CV 07653 TIME 2358 WADR 131/84

IMMEDIATE

3000HW 940TH 453FTS 2CAF AERO ACD HCF ADC ACE-DET ABC/CC FTM/CC AUDITOR
CAP 203419U COMSEC DAFB W/DO DDJ D00C D00S D00Z D0TH DPC DPM FCS INOW
IN LGC LGS LGT MR NAVY MCRX OSI OT PA SE SC SS SSF SV T/A WEA XPMT XPR

5 0727 KM NULHERALJOL 131225Z UUUU--UUUMDTA 22

NR UUUUU
112250Z MAY 84 ZEX
M WANG NGB AFG MD //HQB-AVH//
TO AIG 7401
OULCSA/TAC VI ST CROIX VI
ACCT DA-BHCSVD
P 111815Z MAY 84
FM CDRAVSCOM STL HQ //ANSAY-RE//
TO AIG 8881

ARMY

410 9004
410 8708
410 7515
410 9042

KUENTRO/US EMBASSY ROME ITALY //OCC/PASS TO HQ NFO//
KUCLEFA/US EVN PROT AGY REGION II 2D FEDERAL PLAZA NY NY
KUCLEFA/HQAA OF CO ACFT OPERATIONS ACFT MAINT DIV MIAMI FL //
3310Z (TELEN HQ 88A199)//
KUEHIN/RIY TAIPEI TAIWAN
KUEHC/AIT WASH DC
KUEHCN/COMUSMILCP SAN SALVADOR ES //SCES-AF//
KUEHC/COMUSMILCP TEGUCIGALPA HO
KUEHBO/COMUSMILCP BOGOTA CO //SCCD-AFDCM//
KUEHWA/COMJTF-S PALMEROLA AB HO //AVH//
KUCDCDA/COMRICON REDSTONE ARSENAL AL //ANSMI-BT//
KUEVHAD/US CUSTOMS SERVICE DEPT OF TREASURY WASH DC
IN80 KUENTV/CUSDAO TEL AVIV ISRAEL //NFO//
KUC/SECSTATE WASH DC //HEA/NFO//
KALJARR/NAC SCOTT AFB IL //LCRMB/DOV/IGF//

SS.

PAGE 02 RUCIFRDLJOL UNCLAS
KUPLELA/USDOCO LANDSOUTHERST IZMIR TU //AV//
KUEOPHA/DISC PHILADELPHIA PA //GEBB-JU//
KUEHDT/CHUENAG BANGKOK THAILAND
KAYAAC/HQSCLOGENG MELBOURNE AUSTRALIA //DAIRENG//
KAYUPP/DEFAIR TECHN CANBERRA AUSTRALIA //DAIRENG-AF//
KHEH-AF//
KUEAKKE/AUSTAIR WASH DC //SEHCS//
KUEVDFL/USDA FOREST SERVICE PO BOX 2417 WASH DC
//COOPERATIVE FIRE PROTECTION//
KCCPGL/LOG CON OTTAWA CANADA //DTMEX L-2//
ACCT DA-BHCSVD

UNCLAS
FINAL SECTION OF DD
A. INSPECT ALL FIVE TRUNNION BEARINGS (FIGURE 5-34, ITEM 10)
PER PARAGRAPH 5-10B FOR WEAR, UNIBALL CRACKS AND PROPER INSTALLATION.
TRUNNION BEARING P/N KSP9001-3/5 SHALL BE CHECKED FOR CRACKS ON BOTH
SIDES OF THE UNIBALL USING MAGNIFICATION FROM 5 TO 10 POWER.
B. CHECK TRUNNION FOR PROPER INSTALLATION, DISASSEMBLE AS FOLLOWS
AND CONTINUE INSPECTION -

12 MAY 1985

(1) DISCONNECT C (2 PLACES) AND ELEVATOR (1 PLACE) TUBES FROM SWASHPLATE INNER RING PER PARAGRAPH 5-41G.

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- (2) DISCONNECT DRIVE LINKS FROM SWASHPLATE OUTER RING (2 PLACES) PER PARAGRAPH 5-78G.
 - (3) REMOVE TRUNNION BEARINGS PER PARAGRAPH 5-42 F, G, H. BEARING DURING REMOVAL OF NUTS AND BOLTS OR DAMAGE ON THE SHANK OF THE BOLTS MAY INDICATE IMPROPER INSTALLATION.
 - C. CHECK EACH TRUNNION SHAFT FOR FRETTING WEAR OR OTHER DEFECTS.
 - D. INSTALL SERVICEABLE TRUNNIONS IN SWASHPLATE PER REF C PARA 5-44 S AND T. DO NOT INSTALL BOLTS, REF C, FIGURE 5-37, ITEMS 27, 28, AND 37. PERFORM PULL TEST PER WARNING NOTE ON PAGE 5-84, CHANGE 47. COMPLETE INSTALLATION OF TRUNNIONS PER PARAGRAPH 5-44 U AND V.
- NOTE - BOLTS MUST BE PUSHED THROUGH BY HAND AND BE PERFECTLY ALIGNED WITH THE GROOVES ON TRUNNION SHAFT TO AVOID SAFETY OF FLIGHT CONDITIONS.
- E. CONNECT CYCLIC AND ELEVATOR CONTROL TUBES TO SWASHPLATE INNER RING PER PARAGRAPH 5-47 F AND G.
 - F. CONNECT DRIVE LINKS TO SWASHPLATE OUTER RING PER PARAGRAPH 5-84C.

10. CORRECTION PROCEDURES -
REPLACE UNSERVICEABLE NUTS, BOLTS, WASHERS AND TRUNNIONS WITH SERVICE-

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ABLE PARTS.

11. WEIGHT AND BALANCE - NO EFFECT.
 12. RECORDING AND REPORTING REQUIREMENTS
 - A. REPORTING SUSPENSE DATE - 10 DAYS
- UPON ENTERING REQUIREMENTS OF THIS MESSAGE ON DA FORM 2408-13, FORWARD AUTHORITY MESSAGE TO COMMANDER, AVSCOM, ATTN ANSAV-NE (SOF COMPLIANCE OFFICER), PER AR 95-18. THE REPORT WILL CITE THIS MESSAGE NUMBER, DATE OF ENTRY IN DA FORM 2408-13, THE AIRCRAFT IN NUMERICAL ORDER. THE FOLLOWING FORMS ARE APPLICABLE AND ARE TO BE COMPLETED IN ACCORDANCE WITH DA FORM 738-751.

- (1) DA FORM 2408-13, AIRCRAFT INSPECTION AND MAINTENANCE RECORD.
 - (2) DA FORM 2408-15, HISTORICAL RECORD FOR AIRCRAFT.
 - (3) DA FORM 2408-16, AIRCRAFT COMPONENT HISTORICAL RECORD.
- B. TASKING/INSPECTION SUSPENSE DATE. NO SPECIAL REPORT OF THE RESULTS OF THIS INSPECTION IS REQUIRED.
13. POINTS OF CONTACT.

A. FOREIGN MILITARY SALES (FMS) RECIPIENTS REQUIRING CLARIFICATION OF ACTION ADVISED BY THIS MESSAGE SHOULD CONTACT CW4 LLOYD DANSON, AUTOVON 693-2106 OR COMMERCIAL (314) 263-2106.

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- B. TECHNICAL POINT OF CONTACT FOR THIS MESSAGE IS MR. KEN LUBER, AUTOVON 693-1675 OR COMMERCIAL (314) 263-1675.
- C. LOGISTICAL POINT OF CONTACT FOR THIS MESSAGE IS MR. JACK HICKATHORN, AUTOVON 693-1228 OR COMMERCIAL (314) 263-1228.
- D. FORMS AND RECORDS POINT OF CONTACT FOR THIS MESSAGE IS MR. TOM BERRIO, AUTOVON 693-1955 OR COMMERCIAL (314) 263-1955.
- E. MESSAGE POINT OF CONTACT IS MR. LYELL MYERS, AUTOVON 693-3300