

1 R RUCIFRD5662 1722345 DA-BDCVBA
R 212200Z JUN 90 ZEX
FM CDR AVSCOM ST LOUIS MO //AMSAV-XSOF//
TO RUCLRFA/USDA FOREST SERVICE AVIATION AND FIRE MANAGEMENT
316 E MYRTLE AVE BOISE ID 83702
DA-BDCVBA

UNCLAS

SECTION 01 OF 03

SUBJECT - SAFETY-OF-FLIGHT MESSAGE, MAINTENANCE MANDATORY, RCS
CSGLD-1860(R1) ALL UH-1H,V AND EH-1H,X SERIES AIRCRAFT, ONE TIME,
RECURRING INSPECTION AND REPLACEMENT OF P/N AN320-6, NSN
5310-00-176-8110, NUTS (UH-1-90-04) (TB 55-1520-242-20-49).

A. REPORTING SUSPENSE DATE - WITHIN 10 WORKING DAYS OF THE DATE OF
THIS MESSAGE PER PARA 12A.

B. TASK/INSPECTION SUSPENSE DATE - NEXT DAILY INSPECTION AND
SUBSEQUENT DAILY INSPECTIONS.

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NOTE - THIS IS A SAFETY-OF-FLIGHT MESSAGE AND 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-XSOF
(SOF COMPLIANCE OFFICER).

C. EXPIRATION DATE - 21 JUN 91.

D. REFERENCES -

(1) TM 55-1520-210-23-1, AVIATION UNIT AND INTERMEDIATE
MAINTENANCE MANUAL FOR UH-1H/V AND EH-1H/X HELICOPTERS, BASIC 30 SEP
87 THRU CHG 12 DTD 12 APR 90.

(2) TM 55-1520-210-23P-1, REPAIR PARTS AND SPECIAL TOOLS LIST
FOR UH-1 HELICOPTER, BASIC 27 FEB 81 THRU CHG 21 DTD 16 MAR 90.

(3) TM 55-1520-210-PMD, BASIC 11 JAN 1983 THRU CHG 6, DTD 29
JAN 1990.

1. SUMMARY OF PROBLEM -

A. CATEGORY I DEFICIENCY REPORTS HAVE BEEN RECEIVED BY AVSCOM
ON THE UH-1H AIRCRAFT, REPORTING P/N AN320-6, NSN 5310-00-176-8110,
NUTS CRACKING DURING AND AFTER INSTALLATION. NUTS WERE SENT TO THE
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DEFENSE INDUSTRIAL SUPPLY CENTER (DISC) IN PHILADELPHIA FOR FURTHER
ANALYSIS.

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B. DISC REPORTED THAT SUBJECT AN320-6 NUTS PRODUCED DURING FY 89 WERE OF NONCONFORMING MATERIAL. THE DEFICIENCY WAS ATTRIBUTED TO THE CONTRACTOR INCORRECTLY HARDENING THE MATERIAL. DISC HAS IDENTIFIED DEFECTIVE AN320-6 NUTS TO CONTRACTS DLA500-89M-DC95 AND DLA500-89M-HA69. ADDITIONALLY, CONTRACTS DLA500-86C-2375, DLA500-86C-2350, DLA500-85M-QW92 AND DLA500-82C-1920 HAVE BEEN IDENTIFIED AS DEFECTIVE. DISC HAS TAKEN ACTION TO PURGE NUTS IDENTIFIABLE TO THE ABOVE CONTRACTS FROM THEIR STOCK.

C. THE AN320-6 NUT IS USED ON THE UH-1 STABILIZER BAR MIXING LEVER PIVOT BOLT. THIS APPLICATION IS CONSIDERED CRITICAL.

D. THE PURPOSE OF THIS MESSAGE IS

(1) TO PERFORM A ONE TIME INSPECTION OF STOCK AT ALL LEVELS FOR THE DISCREPANT AN320-6 NUT.

(2) TO REQUIRE REMOVAL OF INSTALLED AN320-6 NUTS IDENTIFIABLE TO THE DISCREPANT CONTRACTS, INSTALLED ON THE STABILIZER ASSEMBLY.

(3) TO ESTABLISH A RECURRING INSPECTION OF AN320-6 NUTS INSTALLED ON THE STABILIZER ASSEMBLY FOR SECURITY AND CRACKS.

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(4) TO PROVIDE THE FIELD WITH AN AUTHORIZED SUBSTITUTE NUT AN320C6.

E. FOR MANPOWER/DOWNTIME AND FUNDING IMPACTS SEE PARA 6.

2. PRIORITY CLASSIFICATION -

NOTE - SEE AR 95-3, PARA 5-7A, 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 CIRCLED RED //X//. THE CIRCLED RED //X// MAY BE CLEARED WHEN THE INSPECTION OF PARA 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 CIRCLED RED //X// IT MAY BE REPORTED AS FULLY MISSION CAPABLE (FMC). AIRCRAFT AWAY FROM HOME BASE MAY BE DOWNGRADED TO A CIRCLED RED //X// FOR A ONE-TIME DIRECT FLIGHT TO THE NEAREST MILITARY BASE WITH ADEQUATE SECURITY AND MAINTENANCE CAPABILITIES. AIRCRAFT ON RED //X// STATUS SYMBOL WILL BE MAINTAINED IN FLYABLE STORAGE. GROUND RUN-UPS AT NORMAL OPERATING ROTOR RPM ARE AUTHORIZED.

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

C. AIRCRAFT UNDERGOING MAINTENANCE - SAME AS PARA 2A.

D. AIRCRAFT IN TRANSIT -

(1) SURFACE/AIR SHIPMENT - SAME AS PARA 2A.

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

E. MAINTENANCE TRAINERS (ALL CATEGORIES) - SAME AS PARA 2A.

F. COMPONENT/PARTS IN STOCK INCLUDING WAR RESERVES AT ALL LEVELS (DEPOT AND OTHERS) - UPON RECEIPT OF THIS MESSAGE ALL ITEMS LISTED IN PARAGRAPHS 4 AND 5 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

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ASSEMBLIES IN ACCORDANCE WITH THIS MESSAGE, CONTACT THE LOGISTICAL
POINT OF CONTACT. DO NOT ISSUE UNLESS THIS SAFETY-OF-FLIGHT MESSAGE
HAS BEEN COMPLIED WITH AND YOU HAVE BEEN NOTIFIED WHICH ARE
SERVICEABLE.

3. END ITEMS TO BE INSPECTED - ALL UH-1H, V AND EH-1H, X SERIES
AIRCRAFT.

4. ASSEMBLY COMPONENTS TO BE INSPECTED -

NOMENCLATURE	PART NO.	NSN
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STABILIZER BAR ASSY	204-011-326-7	N/A

5. PARTS TO BE INSPECTED -

NOMENCLATURE	PART NO.	NSN
NUT, SLOTTED HEX	AN320-6	5310-00-176-8110

6. APPLICATION -

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

B. TIME REQUIRED -

(1) TO INSPECT

A. TOTAL OF 0.1 MANHOURS USING 1 PERSON.

B. TOTAL OF 0.1 HOURS DOWNTIME FOR ONE END ITEM.

(2) TO REPLACE

A. TOTAL OF .5 MANHOURS USING 1 PERSON.

B. TOTAL OF .5 HOURS DOWNTIME FOR ONE END ITEM.

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

NOMENCLATURE	PART NO.	QUANTITY	COST EA.	TOTAL \$
NUT	AN320C6	4	.38	1.52
COTTER PIN	MS24665-287	4	.04	.16

TOTAL COST PER AIRCRAFT 1.68

D. TB/MWOS TO BE APPLIED PRIOR TO OR CONCURRENTLY WITH THIS

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INSPECTION - N/A.

E. PUBLICATIONS WHICH REQUIRE CHANGE AS A RESULT OF THIS

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INSPECTION - TM 55-1520-210-PMD WILL BE CHANGED TO REFLECT A RECURRING INSPECTION OF AN320-6 NUTS USED ON THE STABILIZER BAR ASSEMBLY. A COPY OF THIS MESSAGE SHALL BE INSERTED IN THE APPROPRIATE TM AS AUTHORITY TO IMPLEMENT THE CHANGE UNTIL THE PRINTED CHANGE IS RECEIVED.

7. SUPPLY/PARTS AND DISPOSITION -

A. PARTS REQUIRED - REPLACEMENT FROM LOCAL/DEPOT STOCK IAW PARA 10.

B. REQUISITIONING INSTRUCTIONS - ISSUABLE ASSETS ARE LIMITED. MATERIAL WILL BE ISSUED/MANAGED OFFLINE (MANUALLY). FIELD ACTIVITIES NEEDING THIS NSN SHOULD

(1) GET A DOCUMENT NUMBER FROM THEIR SUPPLY ACTIVITY (FURNISH PRIORITY ISSUE). USE PROJECT CODE "CE4".

(2) CONTACT DISC ITEM MANAGER NED JENKINS, DSN/AUTOVON 452-2349. IN PARA 13E FOR REQUISITION INSTRUCTIONS. THE ITEM MANAGER WILL RELEASE MATERIAL PER PRIORITY.

C. BULK AND CONSUMABLE MATERIALS - N/A.

D. DISPOSITION - NUTS IDENTIFIED OR REPLACED IAW THIS SOF PAGE 04 RUCIFRD5663 UNCLAS MESSAGE SHALL BE LOCALLY DESTROYED TO PREVENT FURTHER USE.

E. DISPOSITION OF HAZARDOUS MATERIAL - N/A.

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

9. INSPECTION PROCEDURES -

A. VISUALLY INSPECT NUT, P/N AN320-6, (TM 55-1520-210-23P, FIG 133, ITEM 9 (4 PLACES)) SECURING THE MIXING LEVERS TO THE STABILIZER BAR CENTER FRAME TO ASSURE THE NUT IS IN PLACE, SECURE AND NOT VISIBLY CRACKED. INSPECT THE FLATS OF THE NUT FOR THE PRESENCE OF THE STAMPED LETTERS "AD". IF FOUND REMOVE AND REPLACE IAW DISPOSITION INSTRUCTIONS IN PARA 7D.

B. VISUAL INSPECTION OF THE NUTS FOR CRACKS AND SECURITY SHALL BE REPEATED DURING EACH PREVENTATIVE MAINTENANCE DAILY INSPECTION.

C. INSPECT STOCK FOR AN320-6 NUTS IDENTIFIABLE TO CONTRACT NUMBERS DLA500-89M-DC95, DLA500-89M-HA69, DLA500-86C-2375, DLA500-86C-2350, DLA500-85M-QW92, AND DLA500-82C-1920. IF FOUND, SEGREGATE FROM REMAINING STOCK AND DESTROY IAW TM 1-1500-328-25.

NOTE

IF STOCK IS LOOSE IN BINS, NUTS FROM THE ABOVE CONTRACTS CAN BE IDENTIFIED BY THE LETTERS "AD" STAMPED ON ONE OF THE FLATS.

10. CORRECTION PROCEDURES -

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A. REPLACE NUTS FOUND TO HAVE THE LETTERS "AD" ON ONE OF THE FLATS WITH SERVICEABLE NUTS FROM SUPPLY IAW TM 55-1520-210-23-1. REPLACEMENT NUTS SHALL BE IAW PARA 10B BELOW.

B. ACCEPTABLE REPLACEMENT AN320-6 NUTS SHALL BE AS FOLLOWS

(1) NUTS THAT ARE PACKAGED OR OTHERWISE NOT IDENTIFIABLE TO CONTRACTS DLA500-89M-DC95, DLA500-89M-HA69, DLA500-86C-2375, AND DLA500-86C-2350 ARE SERVICEABLE.

(2) USE OF BULK STORED NUTS NOT IDENTIFIABLE TO ANY

19:42 EST

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CONTRACT NUMBER IS PROHIBITED.

(3) LOCAL PROCUREMENT IS PROHIBITED.

(4) REUSE OF NUTS FROM OTHER APPLICATIONS IS PROHIBITED.

(5) USE OF NUTS STAMPED WITH "AD" ON THE FLAT IS
PROHIBITED.

C. P/N AN320C6, NUTS IDENTIFIABLE TO CONTRACT NUMBERS
DLA500-89W-0499, DLA500-89W-0488, AND DLA555-89M-LV97 MAY BE USED.

NOTE

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USE OF AN320C6 NUTS NOT IDENTIFIED TO THE ABOVE CONTRACT NUMBERS IS
PROHIBITED. SUBSTITUTE NUTS MUST MEET ABOVE CRITERIA IN PARA 10.

D. DISPOSE OF NUTS REMOVED FROM SUPPLY, ASSEMBLIES, OR AIRCRAFT
AS A RESULT OF THIS MESSAGE IAW PARA 7D.

11. WEIGHT AND BALANCE - N/A.

12. RECORDING AND REPORTING REQUIREMENTS

A. REPORTING SUSPENSE DATE (AIRCRAFT) - UPON ENTERING
REQUIREMENTS OF THIS MESSAGE ON DA FORM 2408-13, FORWARD A PRIORITY
MESSAGE, DATAFAX OR E-MAIL TO COMMANDER, AVSCOM, ATTN AMSAV-XSOF
(SDF COMPLIANCE OFFICER), PER AR 95-3. DATAFAX NUMBER IS
DSN/AUTOVON 693-2064 OR COMMERCIAL 314/263-2064. E-MAIL ADDRESS IS
"AMSAVXSOF (AT SIGN) ST-LOUIS-EMH3..ARMY.MIL". THE REPORT WILL CITE
THIS MESSAGE NUMBER, DATE OF ENTRY IN DA FORM 2408-13, THE AIRCRAFT
MISSION DESIGN SERIES AND SERIAL NUMBERS OF AIRCRAFT IN NUMERICAL
ORDER.

B. REPORTING RESULTS OF TASK/INSPECTION (AIRCRAFT) - NO SPECIAL
REPORT OF THE RESULTS OF THIS INSPECTION IS REQUIRED.

C. REPORTING SUSPENSE DATE (SPARES) - N/A.

D. REPORT RESULTS OF TASK/INSPECTION (SPARES) - N/A.

E. THE FOLLOWING FORMS ARE APPLICABLE AND ARE TO BE COMPLETED

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IN ACCORDANCE WITH DA PAM 738-751, 15 JAN 88.

(1) DA FORM 2408-13, AIRCRAFT INSPECTION AND MAINTENANCE

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