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, including both maintenance and supply elements, the retransmittal shall reference this message.

SUBJ CLN SAFETY OF FLIGHT MESSAGE, URGENT WITH LIMITATIONS, ONE TIME INSPECTION, TO 53-1923-200-20-21 FOR ALL AH-16, TH-10, AH-10, UH-1B, UH-1D/H/V, UH-1M AIRCRAFT, MESSAGE NUMBERS AH-1-78-11.

SUMMARY OF PROBLEMS CLN FAILURE ANALYSIS OF UH-1/AH-1 TAIL ROTOR CONTROL SILENT CHAINS HAS REVEALED THAT THE DARK, DULL COLORED CHAINS FAIL MORE OFTEN AND WITH LESS WARNING THAN THE BRIGHT COLORED CHAINS. THE DULL COLORED SILENT CHAINS SHALL BE REMOVED FROM SERVICE.

PRIORITY CLASSIFICATION CLN URGENT WITH LIMITATIONS.

A. EQUIPMENT IN USE. UPON RECEIPT OF THIS MESSAGE, THE STATUS OF AIRCRAFT WILL BE CHANGED TO A CIRCLED RED "X", FAILURE TO ACCOMPANY WITHIN THE HOURS/DAYS STIPULATED WILL CAUSE CONDITION STATUS SYMBOL TO BE CHANGED TO A RED "X", EQUIPMENT IN USE WILL BE INSPECTED AS SOON AS PRACTICAL BUT NOT LATER THAN FIVE FLYING HOURS OR FIVE WORKING DAYS, WHICHEVER OCCURS FIRST, AFTER DATE OF THIS MESSAGE.

B. THIS CLN SEE PARAGRAPH SEVEN AR95-18 FOR NONCOMPLIANCE AUTHORITY OF UNIT AND MAJOR COMMANDERS.

9. AIRCRAFT IN FIELD AND DEPOT STOCK, SERVICEABLE EQUIPMENT.
IN FIELD AND DEPOT STOCKS WILL BE INSPECTED AS SOON AS PRACTICABLE
BUT NOT LATER THAN SIX MONTHS FROM THE PRINTING DATE OF THIS TB,
AIRCRAFT WILL NOT BE ISSUED UNTIL INSPECTED,

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3. END ITEMS TO BE INSPECTED CLN ALL AH-10, TH-10, AH-10, UK-10, UK-10,
   UH-1D/H/VA AND UH-1H AIRCRAFT.
4. ASSEMBLIES OR COMPONENTS TO BE INSPECTED CLN/NA
5. PARTS TO BE INSPECTED CLN N/NA
6. APPLICATION CLN
   A. CATEGORY OF MAINTENANCE CLN
      (1) OPERATIONAL AIRCRAFT - UNIT LEVEL MAINTENANCE WILL PERFORM
      INSPECTION (AVUM),
      (2) AIRCRAFT UNDERGOING MAINTENANCE - UNIT PERFORMING MAINTENANCE
      WILL PERFORM INSPECTION PRIOR TO RETURN OF AIRCRAFT TO THE USER;
      (3) AIRCRAFT IN TRANSIT - UNIT RECEIVING AIRCRAFT WILL PERFORM
      INSPECTION.
   B. INSPECTION SHIPMENT - PERFORMED AT FINAL DESTINATION;
   C. APPLIED BY CLN AIRCRAFT MECHANIC (67N) OR (67Y);
   D. TIME REQUIRED CLN
      (1) APPROXIMATELY 0.25 MAN-HOURS AND A MINIMUM CREW OF ONE.
   E. ON WILL BE REQUIRED TO ACCOMPLISH THIS INSPECTION. THIS INCLUDES
   TIME TO GAIN ACCESS TO THE INSPECTION AREA, DEFICIENCY CORRECTION
   REQUIRES TWO MAN-HOURS AND A MINIMUM CREW OF ONE PERSON,

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7. DOWNTIME FOR THIS END ITEM TOTAL 0.25 HOURS, DEFICIENCY
   CORRECTION DOWNTIME FOR THIS END ITEM TOTAL TWO HOURS,
   F. PUBLICATIONS WHICH REQUIRE CHANGE AS A RESULT OF THIS TB CLN
      TM5-1520-221-20
      TM5-1520-221-20P
      TM5-1520-221-20
      TM5-1520-221-20P
      TM5-1620-220-20
      TM5-1620-220-20P
   G. SUPPLY KIT/PARTS AND DISPOSITION CLN
      A. PARTS REQUIRED CLN
         (1) CHAIN ASSY SILENT, P/N 264-001-739-3, NSN 1615-00-696-6965,
         ONE EACH PER AIRCRAFT IF REQUIRED TO CORRECT DEFICIENCY,
         (2) CHAIN ASSY SILENT, P/N 269-001-762-1, NSN 3020-01-229-0005,
         ONE EACH PER AIRCRAFT IF REQUIRED TO CORRECT DEFICIENCY (AH-1 ONLY).
      B. PARTS DISPOSITION
         (1) CHAIN ASSY, SILENT, P/N 264-001-721-1, NSN 1615-00-172-4906,
         SCRAP;
         (2) CHAIN ASSY, SILENT, P/N 265-001-740-1, NSN 3020-01-132-6643,
         SCRAP (AH-1 ONLY),
(3) CHAIN ASSY, SILENT, P/N 204-001-739-3, NSN 1615-00-624-6963, RETURN TO SUPPLY IF SERVICEABLE (IF RECEIVED FROM UH-1 DURING ROLLER CHAIN KIT INSTALLATION). SPECIAL TOOLS, JIGS AND FIXTURES REQUIRED CLN N/A.

9. INSPECTION PROCEDURE CLN

A, AN INSPECTION SHALL BE MADE OF ALL UH-1/AH-1 TAIL ROTOR SILENT CHAINS. THE CHAIN SHALL BE INSPECTED TO DETERMINE IF IT IS AN NSN 1615-00-172-4500, P/N 205-001-721-1 (DARK, DULL COLORED LONG CHAIN) OR AN NSN 3020-00-134-6040, P/N 205-001-746-1 (DARK, DULL COLORED SHORT CHAIN), AN NSN 1615-00-624-6963, P/N 204-001-739-3 (BRIGHT SHINY STAINLESS STEEL COLORED LONG CHAIN) OR AN NSN 3020-01-026-0065, P/N 209-001-762-1 (VENDOR P/N EX26292) (BRIGHT SHINY STAINLESS STEEL COLORED SHORT CHAIN), AH-1 AIRCRAFT CHAINS THAT ARE DARK, DULL COLORED SILENT CHAINS SHALL BE REPLACED WITHIN 60 DAYS FROM DATE OF INSPECTION WITH A BRIGHT SHINY STAINLESS STEEL COLORED CHAIN. THE BRIGHT SHINY STAINLESS STEEL COLORED CHAINS WILL BE LEFT IN SERVICE ON AH-1 AIRCRAFT WITH ALL PRESENT INSPECTIONS AND PRECAUTIONS STILL APPLICABLE. UH-1 AIRCRAFT CHAINS THAT ARE DARK, DULL COLORED SILENT CHAINS SHALL BE REPLACED WITHIN 60 DAYS FROM DATE OF INSPECTION WITH A BRIGHT, SHINY STAINLESS STEEL COLORED CHAIN OR CONVERTED TO THE

6. RULNNAO2889 UNCLAS

ROLLER CHAIN, WHERE LOCAL AND SUPPORT STOCK POSITION REQUIRE REQUISITION ON TSARCOM FOR A UH-1 CHAIN, THE ROLLER CHAIN KIT NSN 1615-01-847-6614 WILL BE REQUISITIONED. ALL UH-1 AIRCRAFT SHOULD BE CONVERTED TO ROLLER CHAIN WITHIN 180 DAYS. BRIGHT, SHINY COLORED LONG CHAINS LEFT IN SERVICE ON UH-1 AIRCRAFT, WILL CONTINUE TO HAVE ALL PRESENT INSPECTIONS STILL APPLICABLE (SERVICEABLE BRIGHT, SHINY COLORED LONG CHAINS REMOVED DURING CONVERSION TO ROLLER CHAIN WILL BE RETURNED TO SUPPLY).

C, UH-1 AIRCRAFT WITH ROLLER CHAINS AND AH-1 AIRCRAFT WITH TAIL ROTOR PUSH/PULL TUBES ARE NOT AFFECTED BY THIS MESSAGE.

NOTE CLN UH-1 AIRCRAFT MAY BE CONVERTED TO ROLLER CHAINS BY Ordering AND INSTALLING CHAIN KIT P/N 19658UH-1-736-1, NSN 1615-01-847-6614.

12, WEIGHT AND BALANCE DATA CLN WEIGHT AND BALANCE CHANGE RESULTING FROM THESE INSTRUCTIONS IS NEGLIGIBLE.

11. RECORDING AND REPORTING OF THE INSPECTION CLN


BT #2889
NOTE CLN THIS IS A SUPPLY ADVISORY 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.

SUBJ CHAIN ASSY, SILENT NSN 1613-00-624-6963, P/N 204-
001-793-3

AFRTS-AEU 051345Z JULY 78, SUBJECT - SAFETY OF
FLIGHT MESSAGE, URGENT WITH LIMITATIONS, ONE-TIME
INSPECTION DAY 55-1580-200-29-21 FOR ALL AH-1G, TH-1G,

1. PARA 78(3) OF REFERENCED MESSAGE REQUESTED THAT

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SERVICEABLE CHAIN ASSYS, SILENT, P/N 204-001-793-3,
NSN 1613-00-624-6963 REMOVED FROM UH-1 DURING ROLLER
CHAIN KIT INSTALLATION (NSN 1613-01-047-8914) SHOULD BE
RETURNED TO SUPPLY. THE RESPONSE TO THIS REQUEST HAS
BEEN NEGATIVELY CONSIDERING THAT 9700 KITS HAVE BEEN
ISSUED.

2. AN URGENT REQUIREMENT EXISTS FOR THIS CHAIN ASSY,
THEREFORE, IT IS AGAIN REQUESTED THAT SERVICEABLE ASSYS
BE EXPEDITIOUSLY RETURNED TO RED RIVER ARMY DEPOT,
TEXARKANA, TEXAS, M/F NMC ACCOUNT 5-3723,
POO WILMA RICE, 269-2027.

#4129
NOTE: THIS IS A MAINTENANCE ADVISORY 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.

SUBJECT: WASHER FOR: ROLLER CHAIN INSTALLATION


2. THIS OFFICE HAS RECEIVED REPORTS FROM FIELD UNITS THAT...

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AFTER INSTALLING SPROCKET P/N 1560UH-1-753-1 AND APPLYING THE REQUIRED TORQUE TO THE RETAINER NUT P/N 224-810-767-1, IT IS SOMETIMES IMPOSSIBLE TO INSTALL THE P/N MS24665-197 COTTER PIN PROPERLY, TO ELIMINATE THIS PROBLEM A SPACER WAS DESIGNED FOR INSTALLATION BETWEEN THE SPROCKET AND SPACER (P/N 224-810-768) ON AN AS REQUIRED BASIS, THIS SPACER WILL BE IDENTIFIED AS UM-1 TAIL ROTOR PITCH CONTROL WASHER P/N 1560-UH-1-993-1 AND WILL APPEAR AS A LOCAL MANUFACTURER ITEM IN TM35-1920-210-22P. INFORMATION CONCERNING MANUFACTURE OF THIS WASHER IS AS FOLLOWS:

A. MAKE FROM AN950-C1018L NSN 5310-00-282-6907 OR .092 INCH MIL-S-5859 OR MIL-S-6721, 1/4 HARD CORROSION RESISTANT STEEL.

B. I.D. TO BE .580/.590 INCH

C. O.D. TO BE 1.125/1.135 INCH

D. DEBUR R EDGES

E. MARK P/N 1560-UH-1-993-1 ON ONE SIDE BY USING EITHER PERMANENT INK MARKING OR VIRROPEENING.

WITH REGARD TO SPACERS PREVIOUSLY MANUFACTURED AND INSTALLED BY LOCAL UNITS, THESE ITEMS MAY BE
PAGE 3 RULNNAC3766 UNCLAS

RETIRED IN SERVICE PROVIDED THEY WERE MANUFACTURED
FROM CORROSION RESISTANT STEEL AND DO NOT INTERFERE WITH
NORMAL OPERATION OF THE CHAIN AND SPROCKET,

4. IF ADDITIONAL INFORMATION OR CLARIFICATION TO
THIS MESSAGE IS REQUIRED CONTACT MR FRANK BARHORST
AT TSARCOM AUTOVON 698-3646 OR COMMERCIAL
(314) 268-3646.

#3766

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