ARMY

1735

UH-1 85-02
UH-1 Turnbuckles

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UNCLASSIFIED

NOTE - THIS IS A SAFETY OF FLIGHT TECHNICAL MESSAGE RELEASED IN

ACCORDANCE WITH AR 95-18, DATED 1 MAY 1980 AND HAS NOT BEEN

TRANSMITTED TO UNITS SUBORDINATE TO ADDRESSES. ADDRESSEES

WILL IMMEDIATELY RETRANSMIT THIS MESSAGE TO ALL SUBORDINATE UNITS,

ACTIVITIES OR ELEMENTS AFFECTED OR CONCERNED. THE RETRANSMITTED

MESSAGE SHALL REFER TO THIS MESSAGE ACTION ADDRESSES WILL IMMEDIATELY

IDENTIFY THE RETRANSMISSION TO COMMANDER, AVS COM, ATHM - ANSAY-MER.

SUBJECT - SAFETY OF FLIGHT TECHNICAL MESSAGE SUPPLEMENTING MESSAGE A

APW FOR THE MAGNETIC PARTICLE INSPECTION OF UH-1 TURNBUCKLES. HEN

5340-00-445-7927 (UH-1 85-02)

SUWCM ANSAY-M 281000Z DEC 84 (U). SUBJECT - ONE TIME SAFETY OF

FLIGHT INSPECTION OF ALL UH-1M/V AND UH-1H/X AIRCRAFT, ALL SERIAL

NUMBERS (UH-184-12) TO 1528-28-242-2012.

SOF 2
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PURPOSE -
A. TO ESTABLISH A STANDARDIZED PROCEDURE FOR THE MAGNETIC PARTICLE INSPECTION REQUIRED IN REFERENCE A.
B. TO REVISE PART DISPOSITION INSTRUCTIONS ORIGINALLY PROVIDED IN REFERENCE A.

2. BACKGROUND - THE FIELD HAS EXPRESSED CONCERN THAT TOO MUCH VARIATION EXISTS IN THE MAGNETIC PARTICLE INSPECTION PROCEDURE REQUIRED IN REFERENCE A WHICH MAY RESULT IN A HIGH FALSE REJECTION RATE OF SUBJECT TURNBUCKLES. CURRENTLY, THIS COMPONENT IS IN A VERY CRITICAL SUPPLY POSITION.

3. INSPECTION PROCEDURES -
A. ONE HALF INCH DIAMETER CENTRAL BAR CONDUCTOR, COPPER.
   (1) MAKE FROM NH 3330-00-167-1972, (OR EQUIVALENT) METAL BAR, COPPER, 4 FT LONG.
   (2) CUT BAR TO 16 IN LONG.
B. MAGNETIC PARTICLE, VET BATH, FLUORESCENT PARTICLE.
   (1) P/N MAGNAGLO/MAGNAFLUX CONCENTRATE 10A, OR 14A (POWER). (OR EQUIVALENT) LOCAL PURCHASE, 4 OUNCE CAN.
   (2) P/N MAGNAGLO/MAGNAFLUX CARRIER, OR CARRIER I (LIQUID). (OR EQUIVALENT). LOCAL PURCHASE.

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(A) FIVE GALLON PAIL OR CAN P/N 1-2120-48, FSCM 37674 (OR EQUIVALENT).
(B) FIFTY-FIVE GALLON DRUM P/N 1-2120-49, FSCM 37674 (OR EQUIVALENT).
(C) PRE-PREPARED MAGNETIC PARTICLE BATH, FLUORESCENT.
   (1) TWELVE OUNCE AEROSOL CAN P/N 14AM, NSH 4430-00-642-1347, FSCM 37674 (OR EQUIVALENT).
   (2) FIVE GALLON PAINT OR CAN P/N 14AM (OR EQUIVALENT).
C. MAGNETIC PARTICLE INSPECTION UNIT, STATIONARY, VET BATH, AC OR DC WITH 100 WATT BLACK LIGHT.
   (1) NSH 6435-00-157-2431, P/N H-620, FSCM 37674 (AC) (OR EQUIVALENT).
   (2) NSH 6435-00-947-6788, P/N DRC-323, FSCM 37674 (AC) (OR EQUIVALENT).
   (3) NSH 6435-01-004-6090, P/N H-720, FSCM 37674 (DC) (OR EQUIVALENT).
D. MAGNETIC PARTICLE TEST TECHNIQUE - USE AC OR DC MAGNETIC PARTICLE INSPECTION UNIT, STATIONARY VET BATH.
   (1) PREPARE TEST EQUIPMENT IAW TM 43-0103 CH 2;
COMPLETE UNIT IDENTIFICATION

SHIPPING ADDRESS

POINT OF CONTACT AND TELEPHONE NUMBER

COAD WILL PROVIDE ORGANIZATIONAL SUPPORT TO THIS PROJECT. TURNBUCKLES WILL BE PROCESSED BY COAD IN THE ORDER OF PRIORITY RECEIVED, AND returns via overnight mail. Units will be called and notified as to the number of turnbuckles, and are good.

This message also applies to those turnbuckles currently installed on the aircraft in supply status, and maintenance trainers.

Category 4 and 5 turnbuckles that have previously been inspected and rejected, if available, should be sent to COAD for further analysis.

The field should be receiving new turnbuckles on or about 1 March 1966. The new turnbuckles will be identified with an FSCM of "250". The item will not require further inspection.

There will not be any recording or reporting requirements for this message.

Point of contact for this command is Mr. Chuck Holtgren.

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UNIT: 603-1248 of Commercial, (714) 263-1248.

ET #9012

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