1. REF A, AS AMENDED BY CHANGE 7; 13 AUG 76. ESTABLISHED LOW REFLECTIVE CAMOUFLAGE LACQUER, MIL-L-48159 AIRCRAFT GREEN, AS THE STANDARD CAMOUFLAGE PAINT SCHEME FOR THE FUSELAGE OF US ARMY HELICOPTERS. REF B AND C MESSAGES OUTLINED ADDITIONAL PAINT SCHEME CHANGES DESIGNED TO FURTHER REDUCE THE INFRARED AND VISUAL SIGNATURE CHARACTERISTICS FOR THESE AIRCRAFT. HOWEVER, MANY LARGE EXPOSED ROTATING COMPONENTS (ROTOR HUBS, HATCHES, ETC.) HAVE BEEN RETAINED IN THE UNPAINTED CONFIGURATION DUE TO MECHANICAL/INSPECTION CONSTRAINTS.

2. TO PROVIDE REDUCED INFRARED AND VISUAL SIGNAL CHARACTERISTICS OF THESE EXPOSED ROTATING COMPONENTS, PROCEDURES HAVE BEEN ESTABLISHED FOR APPLICATION OF A TEMPORARY COATING WHICH CAN BE EASILY REMOVED FOR INSPECTION PURPOSES. THE PROCEDURES IN FOLLOWING PARA 3 SHOULD BE IMPLEMENTED IN THE EVENT OF IMMINENT HOSTILITIES AND/OR AS DIRECTED BY LOCAL COMMANDERS.

3. THE PROCEDURES FOR TEMPORARY PAINTING OF NORMALLY UNPAINTED BUT EXPOSED ROTATING COMPONENTS ARE AS FOLLOWS:

A. CLEAN SURFACES PER TM 55-1522-333-24, CLEANING PROCEDURES FOR ARMY AIRCRAFT, TO REMOVE ALL GREASE AND GRIME;

B. MASK AROUND BEARING RACES, SEAL, ETC., APPLY MASKING OVER AND UP TO 3/4 INCH BOUNDARIES TO BE PROTECTED TO PREVENT ENTRY OF PAINT.

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C. CLEAN AFFECTED SURFACES WITH SOLVENT MIL-C-23774 TYPE I OR ALKALINE CLEANER MIL-C-25734 PER TM 55-1522-333-24, THROUGH RINSING AND DRYING IS IMPERATIVE.

D. THIN PAINT MIL-P-6864: COLOR BLACK 3733B FEU STD 595 LNS;

419-09-663-0424, U/1 GALLON CONTAINMENT Q8A) WITH AROMATIC NAPHTHA;

TM-9-78, TYPE I, GRADE B (NSN 672-00-223-9667, U/1 1 GALLON CONTAINMENT), TO BRUSH OR SPRAY CONSISTENCY. APPLY PAINT AS EVENLY AS POSSIBLE TO APPLICABLE SURFACES TO PROVIDE A DRY FILM THICKNESS OF APPROXIMATELY 1 MIL. SEE PARA 3-12 OF REF A FOR INSTRUCTIONS ON FILM THICKNESS.

CAUTION - DO NOT ALLOW AROMATIC NAPHTHA OR PAINT THINNED WITH AROMATIC NAPHTHA, TO COME IN CONTACT WITH ANY PLASTIC, ESPECIALLY WINDSHIELDS, MASK IF NECESSARY. AROMATIC NAPHTHA WILL CRACK OR CRAZE PLASTICS.

NOTE: MIL-P-6864 PAINT IS NOT INTENDED FOR USE ON AREAS NORMALLY EXPOSED TO FUEL AND OIL CONTAMINATION.

4. HIDDEN OR UNEXPOSED ROTATING COMPONENTS WILL NOT BE PAINTED WITH THE ABOVE PROCEDURE.

5. EXPOSED ROTATING COMPONENTS THAT ARE ALREADY PAINTED A COLOR OTHER THAN BLACK WILL BE OVERPAINTED IN ACCORDANCE WITH PARA 3 ABOVE.

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6. TOUCH-UP OF THE TEMPORARY PAINT FILMS APPLIED PER PARA 3 ABOVE WILL BE DONE WITH MIL-P-6864 PAINT.
NOTE - FREQUENT TOUCH-UP MAY BE REQUIRED WHEN PAINTED SURFACES ARE
7. THE PROCEDURE FOR PAINT REMOVAL FOR INSPECTION PURPOSED ARE AS
FOLLOWS CLN
A. MASK AROUND BEARING RACES, SEALS, ETC. APPLY MASKING OVER
AND UP TO 3/4 INCH BEYOND AREAS TO BE PROTECTED TO PREVENT ENTRY
OF SOLVENT.
B. REMOVE THE TEMPORARY PAINT FILM USING SOLVENT P-D-680 TYPE I
OR TYPE II, JP-4 OR TOLUENE.
C. GENERAL SERVICES ADMINISTRATION (GSA) HAS ADVISED THAT THE ABOVE
CITED PAINT IS NOT CURRENTLY ON HAND OR ON PROCUREMENT. THEY FUR-
THER ADVISE THAT THEY CANNOT EXPEDITE PROCUREMENT ACTIONS WITHOUT
FIRM REQUIREMENTS (I.E., REQUISITIONS). AFFECTED ACTIVITIES ARE
ENCOURAGED TO SUBMIT THEIR PRIORITY REQUISITIONS FOR CITED PAINT AS
SOON AS POSSIBLE TO PROVIDE GSA JUSTIFICATION FOR EXPEDITED PRO-
CUREMENT.
D. POC IS MR. J.W. DEAN, DROPM-ASE-LMS, AV 698-6496, (314) 268-
4498 AND/OR MR. CHARLES RENNECAM, DR8TE-MEG(2), AV 698-5846,
(314) 268-5746.
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45306
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NOTE - THIS MESSAGE HAS NOT, REPEAT HAS NOT, BEEN TRANSMITTED TO UNITS SUBORDINATE TO ADDRESSEES; ADDRESSEES ARE RESPONSIBLE FOR DISSEMINATION OF MESSAGE TO ALL SUBORDINATE UNITS, ACTIVITIES, ELEMENTS, OR FOREIGN USERS AFFECTED OR CONCERNED. RETRANSMIT THIS MESSAGE.

SUBJ - MAINTENANCE ADVISORY MESSAGE ON HIGH VIVIBILITY/CONSPICUITY MARKING OF ARMY HELICOPTERS (GEN 77-5)

A. TXN, D430-SM, 221-912Z OCT 76; SUBJECT - HIGH VIVIBILITY/CONSPICUITY MARKING ON ARMY HELICOPTERS.

B. TXN, D430-SM, 01123Z FEB 77; SUBJECT AS ABOVE,

This Message Implements The Referenced Messages, And Is An

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INTERIM CHANGE TO TB 746-93-2 INCLUDING CHANGE 7 OF 13 AUG 76.
DETAILED CHANGES TO THE TB WILL BE PUBLISHED AT A LATER DATE.
2. THIS MESSAGE APPLIES TO TOE/MTOE HELICOPTERS. IT DOES NOT APPLY TO MEDICAL AIR AMBULANCES, TDA HELICOPTERS AND FIXED WING ARMY AIRCRAFT.
3. IN GENERAL, THE PURPOSE OF THE REFERENCED MESSAGES IS TO DE-EMPHASIZE CURRENT HIGHLY VISIBLE MARKINGS. DANGER OR RESCUE POINT LETTERING AND MARKINGS, FOR EXAMPLE, ARE NOT REQUIRED TO BE VISIBLE FROM LONG DISTANCES. OTHER REQUIRED MARKINGS ARE TO BE REPAINTED SO THAT THEY ARE DISCERNIBLE ONLY AT APPROPRIATE DISTANCES. THIS PURPOSE WILL BE ACCOMPLISHED BY ONE OR MORE OF THE FOLLOWING CLN
A. ELIMINATE BRIGHT COLORS ON SOME AREAS.
B. REPLACE GLOSS PAINT WITH LUSTERLESS PAINT, ALL BLACK LETTERING WILL BE DONE WITH LUSTERLESS BLACK LACQUER.
C. ALL WHITE, YELLOW, OR YELLOW ORANGE LETTERING AND MARKINGS WILL BE DONE WITH LUSTERLESS OD LACQUER, SHADE NO. 34087. WILL NOT DEGRADE IN CHARACTERISTICS OF BASIC PAINT SCHEME.
D. ELIMINATE THE USE OF WHITE OR YELLOW PAINT AS A BACKGROUND.
E. ELIMINATE SPECIAL MARKINGS THAT WERE SPECIFIED ONLY FOR ON-CAMOUFLAGE HELICOPTERS.
4. The authorized paint scheme for TOE/HTOE helicopters is as follows (note information in parenthesis are pages in TB 746-93-2 which are shown as examples):

A. Fuselage (4-1) CLN aircraft green, low reflective lacquer, MIL-L-46159. Consult Chapter 4, Para 4-3, for areas not to be painted with MIL-L-46159.
B. Synchronized elevator (8-238); aircraft green instead of orange.
C. Tunnel cover (8-206P); aircraft green instead of white.
D. Fore and aft pylons (8-206P); aircraft green instead of orange.
E. Noise hazard labels (7-6A); omit on exterior of aircraft.
F. Tail boom arrow (8-12); lusterless red instead of gloss red.
G. National star (7-2); omit.
H. Command and organizational insignia (7-4); only DA approved insignias lusterless black.
I. Walkways as described on Page 3-29.
J. Main rotor blades (6-41); lusterless black on both sides, no yellow tips, no white stripe.
K. Tail rotor blades (6-41); lusterless olive drab on both sides, no yellow tips.

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1. Exterior markings and lettering, see Para 3 above.
2. Satisfactory protective coatings applied prior to the issuance of this message need not be altered solely for the purpose of conformity. See Para 1-3 of TB 746-93-2. Local commanders have the option to comply with this message immediately, or to wait until the aircraft requires new protective coatings in the areas that are affected by this interim change.
3. Overhauled TOE/HTOE helicopters will comply with this message.
4. Any subsequent request for deviations to the paint scheme described in Para 3 and 4 for TOE/HTOE helicopters must be submitted under the provisions of Para 1-9 of TB 746-93-2. Medical air ambulances, TDA helicopters and fixed wing aircraft do not have to comply with this paint scheme.
5. Point of contact for this action is Mr. James Ruffner, ATVN 695-2630/2662 or Commercial 314-268-2630/2662/2482.