

*Gen 77-5
high vis paint
scheme.*

ARMY

210000Z JAN 78

CORRECTED
COPY

0000ZDN RULNNA05306 356813Z-0000--RUMKDTA;
ZNR 00000
P 212000Z DEC 77 ZEX VOL CORR RULNNA0 5307 3552121
FM ARNG OPERATING ACTIVITY CENTER //HQB-AVN-L//
TO AIG 7421
INFO RUEAUSA/ONGB WASH DC//HQB-ARL-A//
P R 211838Z DEC 77
FM CDR AVRADCOM STL MO //DROPM-ARE-LM//
TO AIG 8881
RUEMANA/CDR NCAD NEW CUMBERLAND PA //DRXNO-GM//
RUCLMNA/CDR NAVAL AIR STATION PENSACOLA FL
RUMTNBC/CDR CCAD CORPUS CHRISTI TX //SDSCG-M//
INFO AIG 9224
AIG 7815
RUEADWD/DA WASH DC //DALO-SMH-F/DAIG/DANA-HSA/
DAMO-QDA/HQB-ARL/DALO-AV/DAMO-RGD//
RUHHHMA/CDR USACSG FT SHAFTER MI //MOGB-OP//
RULBSAA/CDR USARSG FT AMADOR OZ //SCARMU-M//
RUVKAAA/RAN ANTONIO ALC KELLY AFB TX //SPQ//
R L D AR/CDR DARCOM ALEX VA //DRORE-FS//
R U J FUA/CDR MERADCOM FT BELVOIR VA //STSPB-HS/
DRXFB-VG//

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RUCLHTB/CDR FORSCOM FT MONROE GA //AFLO-AFDC//
RUCLAIA/CDR TRADOC FT MONROE VA
RUOLDGA/CDR AVNG FT RUCKER AL
RUEBHQK/35A AUBURN WA //18FPA//
BT

UNCLAS
NOTE - THIS MESSAGE HAS NOT, REPEAT, HAS NOT BEEN TRANSMITTED TO
UNITS SUBORDINATE TO ADDRESSEES, ADDRESSEES ARE RESPONSIBLE
FOR DISSEMINATION OF MSG TO ALL SUBORDINATE UNITS, ACTIVITIES,
ELEMENTS, OR FOREIGN USERS AFFECTED OR CONCERNED. RETRANSMITTAL
SHALL REFERENCE THIS MESSAGE.

SUBJECT - MAINTENANCE ADVISORY MESSAGE ON PAINTING OF ROTATING
COMPONENTS ON AH-1, OH-47, OH-58, AND UH-1. (ASE 77-51)
A, TR 746-93-2, 12 JAN 71, PAINTING AND MARKING OF ARMY AIRCRAFT;
P, MSG, ORSAV-FEG, 282215Z JAN 77, SUBJECT - MAINTENANCE ADVISORY
MESSAGE ON INTERIM CHANGE TO TR 746-93-2 ON PAINTING OF ROTOR
BLADES (GEN 77-4).
C, MSG, ORSAV-FEG, 871412Z MAR 77, SUBJECT - MAINTENANCE ADVISORY
MESSAGE ON HIGH VISIBILITY/CONSPICUITY MARKINGS OF ARMY HELICOPTERS
(77-51).

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1. REF A, AS AMENDED BY CHANGE 7, 13 AUG 76, ESTABLISHED LOW REFLECTIVE CAMOUFLAGE LAQUER, MIL-L-46159 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, MASTS, 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 DESIRED BY LOCAL COMMANDERS.

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

A. CLEAN SURFACES PER TM 55-1500-333-24, CLEANING PROCEDURES FOR ARMY AIRCRAFT, TO REMOVE ALL GREASE AND GRIME,

B. MASK AROUND BEARING RAOPS, SEALS, ETC. APPLY MASKING OVER AND UP TO 3/4 INCH BEYOND AREAS TO BE PROTECTED TO PREVENT ENTRY OF PAINT.

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C. RE-CLEAN AFFECTED SURFACES WITH SOLVENT P-D-090 TYPE I OR ALKALINE CLEANER MIL-C-25749 PER TM 55-1500-333-24, THOROUGH RINSING AND DRYING IS IMPERATIVE.

D. THIN PAINT, MIL-P-6884, COLOR BLACK 37038 FED STD 595 (NSN 9818-08-663-3842, U/I GAL ON, SOURCE GSA) WITH AROMATIC NAPHTHA; TT-N-97, TYPE I, GRADE B (NSN 9818-08-223-9867, U/I 1 GAL ON, SO ROE DISC) 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-6884 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 OVER PAINTED 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-6884 PAINT.

NOTE - FREQUENT TOUCH-UP MAY BE REQUIRED WHEN PAINTED SURFACES ARE
7. THE PROCEDURE FOR PAINT REMOVAL FOR INSPECTION PURPOSES ARE AS
FOLLOWS OLN

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-
THUR 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-
UREMENT.

D. POC IS MR. J. W. DEAN, DROPM-ASE-LM, AV 698-6496, (314) 268-
3496 AND/OR MR. CHARLES RENNECAMP, DRSTB-MEQ(2), AV 698-5846,
(314) 268-5746.

BT
#5308

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NNNN

8 MAR 77 23 31z

RTTUZEXW RULNNACB68B 067184Z-UUUU--RUHMOTA.
ZNR UUUUU
R 061700Z MAR 77 ZBX
FM ARNG OPERATING ACTIVITY CENTER//NGB-AVN-Army
TO AIG 7401
INFO RUEFHQA/CNGB WASH DC//NGB-ARL-A//
R 071410Z MAR 77 ZBX
FM ODR USAAVSCOM STL MO //DRSAV-FEG//
TO AIG 8881
BT

*Gen-77-5
High Visibility
paint*

UNCLAS

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, RETRANSMITTAL SHALL REFERENCE THIS MESSAGE.

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

- A. TWX, DALO-SMM-F, 281915Z OCT 76, SUBJECT - HIGH VISIBILITY/CONSPIQUITY MARKING ON ARMY HELICOPTERS.
- TWX, DALO-SMM-F, 012137Z FEB 77, SUBJECT AS ABOVE.
1. 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 IR 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.

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4. THE AUTHORIZED PAINT SCHEME FOR TOE/MTOE HELICOPTERS IS AS FOLLOWS (INFORMATION IN PARENTHESIS ARE PAGES IN TB 746-93-2 WHICH ARE SHOWN AS EXAMPLES)OLN

A. FUSELAGE (4-1)OLN 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 (8-226P); AIRCRAFT GREEN INSTEAD OF WHITE.

D. FORE AND AFT PYLONS (8-226P); 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 (6-4); LUSTERLESS BLACK ON BOTH SIDES, NO YELLOW TIPS, NO WHITE STRIPE.

K. TAIL ROTOR BLADES (6-4); LUSTERLESS OLIVE DRAB ON BOTH SIDES, NO YELLOW TIPS.

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1. EXTERIOR MARKINGS AND LETTERING, SEE PARA 3 ABOVE.

5. 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.

6. OVERHAULD TOE/MTOE HELICOPTERS WILL COMPLY WITH THIS MESSAGE.

7. ANY SUBSEQUENT REQUEST FOR DEVIATIONS TO THE PAINT SCHEME DESCRIBED IN PARA 3 AND 4 FOR TOE/MTOE HELICOPTERS MUST BE SUBMITTED UNDER THE PROVISIONS OF PARA 1-4 OF TB 746-93-2. MEDICAL AIR AMBULANCES, TDA HELICOPTERS AND FIXED WING AIRCRAFT DO NOT HAVE TO COMPLY WITH THIS PAINT SCHEME.

8. POINT OF CONTACT FOR THIS ACTION ISMR, JAMES RUFFNER, ATVN 698-2630/2660 OR COMMERCIAL 314-268-2630/2660/2480.

BT

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