



UNCLASSIFIED/

SAFETY OF USE ALERT (SOUA) FOR THE UNINTENTIONAL ACTIVATION OF THE OBJECTIVE GUNNER PROTECTION KIT (OGPK) POWERED TURRET DRIVE S

Originator: COMMARCORSYSCOM QUANTICO VA(UC)

DTG: 022100Z May 13 Precedence: Routine DAC: General

To: AL MRAP SOUM(UC)

 BPMTU-ITDS Comparison - 19 Apr 13.pptx	 SOUA Route Sheet _ PM Approval.pdf
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FM COMMARCORSYSCOM QUANTICO VA GTES(uc)

TO AL MRAP SOUM BT

UNCLAS //5100//

MSGID/GENADMIN/COMMARCORSYSCOM /PM MRAP//

SUBJ/SAFETY OF USE ALERT (SOUA) FOR THE UNINTENTIONAL ACTIVATION OF THE OBJECTIVE GUNNER PROTECTION KIT (OGPK) POWERED TURRET DRIVE SYSTEM ON MRAP VEHICLES.

REF/A/DOC/MCO 5100.34/

NARR/REF A IS DEADLINE SAFETY OF USE MESSAGE INSTRUCTIONS TO SUSPEND OPERATIONS OF MARINE CORPS GROUND EQUIPMENT AND WEAPONS SYSTEMS AND SAFETY OF USE ALERTS.

ATTACHMENT/BPMTU-ITDS COMPARISON

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GENTEXT/REMARKS/

1. THIS SAFETY OF USE ALERT APPLIES TO ALL USERS AND SUPPORTING UNITS OF MINE RESISTANT AMBUSH PROTECTED (MRAP) VEHICLES EQUIPPED WITH AN OBJECTIVE GUNNER PROTECTION KIT (OGPK). THIS SAFETY OF USE ALERT IS BEING ISSUED IAW REF A AND ADDRESSES A KNOWN SAFETY HAZARD ASSOCIATED WITH THE EXTERIOR CONTROL CABLE FOR THE OGPK ELECTRICALLY-POWERED TURRET DRIVE SYSTEM.

2. BACKGROUND:

2.1 THE JOINT MRAP VEHICLES PROGRAM (JMVP) HAS RECEIVED A REPORT OF AN INJURY CAUSED BY THE NON-OPERATOR-INITIATED AND UNCONTROLLED OPERATION OF THE OGPK TURRET DRIVE SYSTEM.

2.2 IT IS BELIEVED THE EXTERIOR CONTROL CABLE RUNNING BETWEEN THE CONTROL BOX AND JOYSTICK UNIT HAD BEEN COMPROMISED DUE TO BEING PINCHED IN THE TURRET HATCH OR THE DRIVE MOTOR CONTROL CABLE BEING PINCHED IN THE DRIVE SYSTEM GEAR TEETH ON ONE OR MORE OCCASIONS.

2.3 OGPK TURRETS MAY HAVE EITHER THE BATTERY POWERED MOTORIZED TRAVERSING UNIT (BPMTU) OR THE IMPROVED TURRET DRIVE SYSTEM (ITDS) INSTALLED. FOR ASSISTANCE IN DETERMINING WHICH IS INSTALLED, SEE THE ATTACHMENT.

3. GUIDANCE:

3.1 ALL ELECTRICAL CONTROL CABLES FOR THE OGPK POWERED TURRET DRIVE SYSTEM WILL BE IMMEDIATELY INSPECTED BY MAINTENANCE PERSONNEL WITH PARTICULAR ATTENTION PAID TO THE INTEGRITY OF THE EXTERIOR AND INTERIOR WIRING INSULATION.

3.2 ALL ELECTRICAL CONTROL CABLES FOR THE OGPK POWERED TURRET DRIVE SYSTEM WILL BE VISUALLY INSPECTED DURING PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS) PRIOR TO ANY OPERATION OF THE VEHICLE WITH THE GUNNER OCCUPYING THE TURRET.

3.3 VEHICLES WITH DAMAGED EXTERIOR CONTROL CABLES WILL HAVE THE CABLES DISCONNECTED AND/OR REMOVED. THE TURRET WILL BE OPERATED MANUALLY UNTIL DAMAGED CABLES CAN BE REPLACED.

3.4 CORRECTIVE ACTION:

3.4.1 JOYSTICK CONTROL CABLE - DAMAGED CABLES RUNNING BETWEEN THE CONTROL BOX AND THE JOYSTICK CONTROL BOX ON EITHER POWERED TURRET DRIVE SYSTEM CAN BE REPLACED USING THE FOLLOWING NATIONAL STOCK NUMBERS (NSN) (READ IN THREE COLUMNS):

NOMENCLATURE	NSN	P/N
CABLE ASSY, SPECIAL PURPOSE, ELEC	6150-01-560-0238	6432535-01M1

3.4.2 BPMTU - DAMAGED CABLES RUNNING BETWEEN THE CONTROL BOX AND THE DRIVE MOTOR CAN BE REPLACED USING THE FOLLOWING NATIONAL STOCK NUMBERS (NSN) (READ IN THREE COLUMNS):

NOMENCLATURE	NSN	P/N
DRIVE UNIT, ELECTROHYDRAULIC	1005-01-563-6476	6433255-01M1

(NOTE: THE CABLE BETWEEN THE MOTOR AND THE CONTROL BOX IS NOT PROVISIONED WITH ITS OWN NSN.)

3.4.3 ITDS - DAMAGED CABLES RUNNING BETWEEN THE CONTROL BOX AND THE DRIVE MOTOR CAN BE REPLACED USING THE FOLLOWING NATIONAL STOCK NUMBERS (NSN) (READ IN THREE COLUMNS):

NOMENCLATURE	NSN	P/N
GEAR, MOUNTING, CUPOLA	2510-01-595-5046	6453034-200M1

(NOTE: THE CABLE BETWEEN THE MOTOR AND THE CONTROL BOX IS NOT PROVISIONED WITH ITS OWN NSN.)

4. THIS REQUIREMENT WILL REMAIN IN EFFECT UNTIL FURTHER NOTICE.

5. COMPLIANCE IS REQUIRED DUE TO POTENTIAL INJURY TO PERSONNEL.

6. REQUEST READDRESSAL OF THIS MESSAGE TO SUBORDINATE COMMANDS FOR WIDEST DISSEMINATION TO AFFECTED UNITS.

7. CANCELLATION OF THIS SAFETY OF USE ALERT WILL OCCUR THROUGH SEPARATE CORRESPONDENCE. USERS SHALL COMPLY WITH THE GUIDANCE STATED IN THIS MESSAGE UNTIL FURTHER NOTICE.