Report Date: 04 Mar 2016

Summary Report for Individual Task
052-12N-1006
Perform Operators Preventive Maintenance Checks and Services (PMCS)
Status: Approved

Distribution Restriction: Approved for public release; distribution is unlimited.

Destruction Notice: None

Foreign Disclosure: FD1 - This training product has been reviewed by the training developers in coordination with the Fort Leonard Wood, MO/MSCOE foreign disclosure officer. This training product can be used to instruct international military students from all approved countries without restrictions.

Condition: Given a piece of equipment, the equipment technical manual (TM) and lubrication order (LO), a DA Form 5988-E or DA form 2404,a grease gun, [petroleum, oil, and lubricants (POL)], rags, an equipment records folder, and all personal protective equipment. Some iterations of this task should be performed in MOPP 4.

Standard: Perform operator's preventive maintenance checks and services utilizing the equipment technical manual and lubrication order. Annotate all deficiencies on DA Form 5988-E or DA form 2404, correct all operator deficiencies, and turn in the completed maintenance forms to your supervisor.Adhere to all Warning and Caution statements in the TM and complete the PMCS without error and without damage to equipment, environment or injury to personnel.

Special Condition: When performing this task in MOPP 4, a risk assessment adjustment must be made to compensate for the increased risk.

Safety Risk: Low

MOPP 4: Sometimes

Task Statements

Cue: None

DANGER

None

WARNING

- Battery posts, terminals, and related accessories contain lead and lead compounds. Wash hands after handling. Failure to comply may result in serious injury or death to personnel.

- Batteries contain sulfuric acid which causes severe burns. Avoid contact with eyes, skin, or clothing. Always wear eye protection and protective gloves when working near batteries. Failure to comply may result in serious injury or death to personnel.

- Make sure hydraulic fluid or grease is not injected into skin. Keep hands and body away from any pressurized leak. Use cardboard or paper to check for leaks. If fluid is injected into skin, SEEK MEDICAL ATTENTION IMMEDIATELY. Failure to comply may result in serious injury or death to personnel.

- Fuel is flammable and toxic to eyes, skin, and respiratory tract. Avoid contact with eyes, skin, and clothing. Always wear eye protection and protective gloves when working with fuel. Avoid repeated/prolonged contact. Use only in ventilated areas. Keep away from open flames or other sources of ignition. Post FUEL FLAMMABLE/NO SMOKING signs around area. Make sure fire extinguisher is available. Failure to comply may result in serious injury or death to personnel.

CAUTION

Equipment operation is allowed with minor leakages (Class I or II), except for fuel which is not allowed any leakage. Consideration must be given to fluid capacity in the item/system being checked/inspected. When in doubt, notify your supervisor. Failure to comply may result in damage to equipment and the environment.

Remarks: This task supersedes all PMCS tasks for MOS 12N, 12G, 12V and ASI C-4.

Notes: Designated intervals are performed under usual operating conditions. PMCS intervals must be performed more frequently when operating under unusual conditions.

- Always perform preventive maintenance in the same order so it gets to be a habit.

- Tools included with the equipment are to be used when doing the PMCS. Wiping rags are needed to remove dirt or grease.

- If you find something wrong when performing the PMCS, fix it if you can, using troubleshooting procedures and/or maintenance procedures.

- If something appears to be wrong and you cannot repair it, write it down on your DA Form 5988-E or DA 2404. If you find something seriously wrong, report it to field level maintenance as soon as possible.

- Item numbers in column 1 of the PMCS table indicate the PMCS sequence. Use these item numbers for the TM number column on DA Form 5988-E or DA 2404.

- Information in column 5 of the PMCS table lists conditions that make the equipment not ready/available. Write up items not repaired on DA Form 5988-E for field level maintenance. For further information on how to use these forms, see DA PAM 750-8. CORROSION PREVENTION AND CONTROL (CPC) of Army materiel is a continuing concern. It is important that any corrosion problems with this item be reported so that the problem can be corrected and improvements can be made to prevent the problem in future systems. While corrosion is typically associated with rusting of metals, it can also include deterioration of other materials, such as rubber and plastic. Unusual cracking, softening, swelling, or breaking of these materials may be a corrosion problem. If a corrosion problem is identified, it can be reported using SF 368, Product Quality Deficiency Report. Use of key words such as corrosion, rust, deterioration, or cracking will ensure that the information is identified as a CPC problem. The form should be submitted to the address specified in DA PAM 750-8.

Performance Steps

Cue: You have been directed to perform operator's PMCS.

1. Enter the administrative data on a DA Form 5988-E.

2. Perform before operation PMCS in accordance with the operator’s technical manual and lubrication order.

Note: The operator will determine and perform the appropriate inspection for the equipment being utilized.

a. Identify operator-level checks.

Note: Maintain clean equipment, as dirt, grease, oil, and debris may cover up a serious problem. Clean as you work or as needed.

b. Inspect for fluid leakage (Class I, II, or III).

(1) Classify fluid leakage.

(a) Class I leakage is identified by seepage of fluid (as indicated by wetness or discoloration) not great enough to form drops from the item being checked or inspected.

(b) Class II leakage is identified by the leakage of fluid great enough to form drops but not enough to cause drops to drip from the item begin checked or inspected.

(c) Class III leakage is identified by the leakage of fluid great enough to form drops that fall from the item being check or inspected.

(2) Report fluid leakage.

c. Prevent hazardous materials from contaminating the environment.

(1) Place drip pans or similar initial containment devices completely under the area where fluid leaks may occur.

(2) Remove any spills.

(3) Collect contaminated materials, absorbent materials, and debris into approved containers.

(4) Comply with container labeling requirements.

(5) Comply with disposal requirements for contaminated and hazardous materials.

d. Employ procedures to dispose of solid waste.

(1) Place contaminated rags in the appropriate container for re cycling.

(2) Place contaminated absorbents (dry sweep) into the appropriate container.

e. Annotate any deficiencies, and enter the date on the fault description line.

(1) Correct all deficiencies within the operator's level of maintenance.

(2) Record uncorrectable deficiencies on the fault description line.

(3) Record the PMCS item number that applies to the fault listed on the fault description line.

Note: If the PMCS has no item numbers, list the page, paragraph, or sequence number.

(4) Circle the number if the fault is listed in the "Equipment is not ready / available if" column or "Not Mission Capable if" column of the DA Form 5988-E.

Note: If these columns are not listed, circle the TM item number and page or paragraph number of any fault causing the equipment to be non-mission capable (NMC).

(5) Enter the calendar date the deficiency or shortcoming was found on the fault date line.

(6) Enter the status symbol that applies to the fault or deficiency on the fault status line.

3. Perform during operation PMCS in accordance with the operator’s technical manual and lubrication order.

a. Monitor the gauges and instruments.

b. Listen for unusual sounds from the vehicle.

c. Remain observant for fluid leaks.

d. Annotate any deficiencies, enter the date on the fault description line.

4. Perform after operation PMCS in accordance with the operator’s technical manual and lubrication order.

a. Enter the date on the fault description line if no deficiencies are noted.

b. Annotate any deficiencies discovered that the operator cannot correct.

5. Perform weekly PMCS in accordance with the operator’s technical manual and lubrication order.

a. Complete required operator-level service.

b. Utilize the equipment lubrication order to identify the required lubrication service intervals.

c. Utilize the checklist found in the operator’s technical manual and lubrication order to conduct after, weekly, or monthly operator services, as required.

d. Enter the date on the fault description line if no deficiencies are noted.

e. Annotate any deficiencies discovered that the operator cannot correct.

6. Perform monthly checks and services in accordance with the operator’s technical manual and lubrication order.

a. Complete required operator-level service.

b. Utilize the equipment lubrication order to identify the required service intervals.

c. Utilize the checklist found in the operator’s technical manual and lubrication order to conduct after, weekly, or monthly operator services, as required.

d. Enter the date on the fault description line if no deficiencies are noted.

e. Annotate any deficiencies discovered that the operator cannot correct.

7. Turn in the completed DA Form 5988-E to your supervisor.

(Asterisks indicates a leader performance step.)

Evaluation Guidance: This performance evaluation evaluates the service member's ability to perform operator's preventive maintenance checks and services. The evaluator will observe the Soldiers performance. The Soldier shall not ask for or be given any assistance from the evaluator or other Soldiers. The Soldiers performance shall be measured as a GO/NO GO score. If a NO GO is received on any portion of this evaluation, the Soldier shall receive a written counseling and remediate before being reevaluated. Any safety violation observed shall constitute an automatic performance failure.

Evaluation Preparation: Setup: Provide the Soldier with the items listed in the conditions. Brief Soldier: Tell the Soldier that he will be required to complete the performance measures according to the standards set forth in the task.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Entered the administrative data on a DA form 5988-E.			
2. Performed before operation PMCS.			
3. Performed during operations PMCS.			
4. Performed after operations PMCS.			
5. Performed weekly PMCS.			
6. Performed monthly operation PMCS.			
7. Turned in the completed forms to your supervisor.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	AR 200-1	ENVIRONMENTAL PROTECTION AND ENHANCEMENT	Yes	No
	AR 385-10	The Army Safety Program http://www.apd.army.mil/pdffiles/r385_10.pdf	Yes	No
	ATP 3-34.5	Environmental Considerations	Yes	No
	ATP 4-31	Recovery and Battle Damage Assessment and Repair	Yes	No
	ATP 5-19 (Change 001 09/08/2014 78 Pages)	RISK MANAGEMENT http://armypubs.army.mil/doctrine/DR_pubs/dr_a/pdf/atp5_19.pdf	Yes	No
	DA FORM 2028-E	RECOMMENDED CHANGES TO PUBLICATIONS AND BLANK FORMS (EGA)	Yes	No
	DA FORM 5987-E	MOTOR EQUIPMENT DISPATCH (EGA)	Yes	No
	DA FORM 5988-E	Equipment Inspection Maintenance Worksheet	Yes	No
	DD FORM 518	ACCIDENT-IDENTIFICATION CARD	Yes	No
	PAM 750-3	SOLDIERS' GUIDE FOR FIELD MAINTENANCE OPERATIONS	Yes	No
	PAM 750-8	The Army Maintenance Management System (TAMMS) Users Manual.	Yes	Yes
	SF FORM 91	MOTOR VEHICLE ACCIDENT REPORT	Yes	No
	TC 3-34.489	The Soldier and the Environment.	Yes	No
	TM 4-33.31	OPERATIONS AND MAINTENANCE OF ORDNANCE MATERIEL IN COLD WEATHER	Yes	No
	TM 750-244-3	PROCEDURES FOR DESTRUCTION OF EQUIPMENT TO PREVENT ENEMY USE (MOBILITY EQUIPMENT COMMAND)	Yes	No

Environment: Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT. It is the responsibility of all Soldiers and DA civilians to protect the environment from damage. Avoid unnecessary stripping of vegetation and waterways. Control dust conditions and limit water erosion by dressing area at the end of each day. Explain the purpose of drip pans and their location under the equipment. Avoid unnecessary equipment usage and follow established procedures for cleanup of fluid leaks. Restore site and surrounding areas as close as possible to the original ecological condition.

Safety: In a training environment, leaders must perform a risk assessment in accordance with ATP 5-19, Risk Management. Leaders will complete the current Deliberate Risk Assessment Worksheet in accordance with the TRADOC Safety Officer during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination. Review local training area SOP. Know and adhere to all hand and arm signals. Perform an equipment walk-around before and after operation. Maintain three points of contact when mounting and dismounting. Wear goggles and gloves when checking batteries, hydraulic tank, and fueling the equipment. Wear hearing protection, Kevlar / hard hats, safety boots and seat belts when operating or around running equipment. Do not wear loose clothing or jewelry. Utilize drip pans and always look in the direction of travel. Use caution when working on hills, banks, or steep slopes to avoid tipping. DO NOT place transmission in neutral to allow the equipment to coast.

Prerequisite Individual Tasks : None

Supporting Individual Tasks : None

Supported Individual Tasks : None

Supported Collective Tasks : None

ICTL Data :

ICTL Title	Personnel Type	MOS Data
12N10, Horizontal Construction Engineer, Skill Level 1	Enlisted	MOS: 12N, Skill Level: SL1, ASI: C4
12N10, Horizontal Construction Engineer, Skill Level 1, Version 2	Enlisted	MOS: 12N, Skill Level: SL1