

Report Date: 03 Oct 2013

**Summary Report for Individual Task
052-204-1203**

**Perform Operator Preventive-Maintenance Checks and Services (PMCS) on a Bucket/Material Handler Truck
Status: Approved**

DISTRIBUTION RESTRICTION: Approved for public release; distribution is unlimited.

DESTRUCTION NOTICE: None

Condition: As a Power Line Distribution Specialist in a tactical or nontactical environment performing before, during, after, and weekly bucket/material handler truck operations or when PMCS on a bucket/material handler truck that may have auxiliary equipment needs to be done, you are given the technical or user's manuals for the truck being inspected, maintenance logbooks, and DA Form 2404 (Equipment Inspection and Maintenance Worksheet) or DA Form 5988-E (Equipment Inspection Maintenance Worksheet). This task should not be trained in MOPP.

Standard: Perform operator PMCS on a bucket/material handler truck that may have auxiliary equipment before, during, and after operation or when directed to do so.

Special Condition: None

Safety Level: Low

MOPP: Never

Task Statements

Cue: None

DANGER VEHICLES WITH A CLASS III LEAK SHOULD NOT BE OPERATED AND MUST BE SENT FOR REPAIR IMMEDIATELY. FAILURE TO COMPLY MAY RESULT IN DAMAGE TO THE EQUIPMENT THAT MAY CAUSE LONG-TERM FAILURE.

WARNING None

CAUTION None

Remarks: Waiting on equipment to be added to TDC

Notes: For different bucket/material handler trucks, consult the user manual for correct preventative maintenance checks.

Performance Steps

1. Perform before-operation PMCS.

a. Inspect the vehicle exterior for damage and deficiencies, checking for—

- (1) A cracked or broken windshield.
- (2) Cracked, broken, or inoperable windshield wipers.
- (3) A cracked or damaged hood.
- (4) Cracked, broken, or inoperable headlights.
- (5) Cracked, broken, or inoperable marker and directional lights.
- (6) Cracked, broken, or inoperable reverse lights and alarm.
- (7) Cracked, torn, or missing hood latches.
- (8) Leaks, spills, or drips underneath the vehicle.
- (9) Cracked or broken side windows.
- (10) Cracked or broken side mirrors.
- (11) Cracked, sliced, worn, torn tires (inside and outside) and proper inflation.
- (12) Broken handles, dents, or other damage on the side tool-bin door that may prevent the bins from opening, closing, or locking properly.
- (13) Cracked or frayed cable steps.

b. Inspect the engine and engine components for damage and deficiencies.

(1) Check the following fluid levels:

- (a) Engine oil.
- (b) Coolant.
- (c) Power steering fluid.
- (d) Windshield washer fluid.

(2) Check for leaks or spills.

(3) Check wiring for cracks, frays, and broken wires.

(4) Check hoses for cracks, tears, breaks, and signs of dry rot.

(5) Check belts for cracks, frays, missing teeth, and signs of dry rot.

- c. Inspect the cab interior for damage and deficiencies.
 - (1) Check gauges for correct operation.
 - (2) Check interior lights for cracks, breaks, and correct operation.
 - (3) Check the horn for correct operation.
 - (4) Ensure that you have basic issue items.
 - (5) Inspect seat belts for cracks, frays, rips, and tears; and ensure that they lock correctly.
 - (6) Inspect the bench seat for cracks, rips, and tears.
 - d. Check the hydraulic-fluid level.
2. Perform during-operation PMCS, and annotate the deficiencies.
- a. Check the aerial lift boom for correct operation.
 - b. Check the aerial lift baskets for correct operation.
 - c. Check outriggers for correct operation.
 - d. Check the engine and transmission for correct operation.
 - e. Check the electrical system for correct operation.
3. Perform after-operation PMCS.
- a. Ensure that tools are placed in the correct tool bins.
 - b. Ensure that the fuel tank is full.
 - c. Ensure that trash, limbs, and scrap is removed and correctly discarded.
 - d. Ensure that personal gear is removed from the vehicle.
 - e. Ensure that stock is placed in the stock bins.
4. Perform weekly-operation PMCS.
- a. Remove and blow out air filters.
 - b. Wash and clean windows and mirrors.
 - c. Wash the fully extended aerial lift boom with water.
 - d. Wash and clean the hydraulic-tank top.

e. Sweep the back of the truck bed.

5. Record actions taken on DA Form 2404 or DA Form 5988-E and maintenance logbooks.

(Asterisks indicates a leader performance step.)

Evaluation Preparation: Provide the Soldier with all the items listed in the conditions. Give the Soldier a safety briefing before starting the test, and ensure that all safety precautions are followed. Prepare the testing area and equipment in advance to ensure that the task standards can be met.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Performed before-operation PMCS.			
2. Performed during-operation PMCS and annotated the deficiencies.			
3. Performed after-operation PMCS.			
4. Performed weekly-operation PMCS.			
5. Recorded actions taken on DA Form 2404 or DA Form 5988-E and maintenance logbooks.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	DA FORM 2404	EQUIPMENT INSPECTION AND MAINTENANCE WORKSHEET	Yes	No
	DA FORM 5988-E	Equipment Inspection Maintenance Worksheet	Yes	No
	EM 385-1-1	Safety and Health Requirements.	No	No
	LCH	The Lineman's and Cableman's Handbook, 11th Edition, McGraw-Hill. 2007	No	No
	TM 5-684	Facilities Engineering - Electrical Exterior Facilities. NAVFAC MO-200/AFJMAN 32-1082.	No	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. 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.

For classroom instruction:

No major environmental impact, training entirely of an administrative or classroom nature, with little or no environmental impact on the environment, equipment or personnel. [32 CFR Part 651, Appendix B, Section II, (i)(2)]

For practical exercises and demonstrations:

Instructors should complete a risk assessment before conducting training, operations, or logistical activities. Risk assessments assist instructors in identifying potential environmental hazards, develops controls, make risk decisions, implement controls, and ensure proper supervision and evaluation. FM 3-100.4, Environmental Considerations in Military Operations.

Safety: In a training environment, leaders must perform a risk assessment in accordance with FM 5-19, Composite Risk Management. Leaders will complete a DA Form 7566 COMPOSITE RISK MANAGEMENT WORKSHEET 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. In a training environment, leaders must perform a risk assessment in accordance with FM 5-19, Composite Risk Management. Leaders will complete a DA Form 7566 COMPOSITE RISK MANAGEMENT WORKSHEET 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, NBC Protection, FM 3-11.5, CBRN Decontamination.

Prerequisite Individual Tasks : None

Supporting Individual Tasks :

Task Number	Title	Proponent	Status
052-204-1119	Perform Operator Preventive-Maintenance Checks and Services (PMCS) on a Line Truck With Auxiliary Equipment	052 - Engineer (Individual)	Approved

Supported Individual Tasks :

Task Number	Title	Proponent	Status
052-204-3016	Supervise the Stringing of Overhead Conductors	052 - Engineer (Individual)	Approved
052-204-3015	Supervise the Sagging of Overhead Conductors	052 - Engineer (Individual)	Approved
052-204-2307	Supervise the Installation of a Utility Pole Line	052 - Engineer (Individual)	Analysis Completed
052-204-1120	Install a Grounding Set	052 - Engineer (Individual)	Approved
052-204-1116	Rescue an Injured Victim From an Aerial-Bucket Truck	052 - Engineer (Individual)	Approved
052-204-1215	Splice a Medium-Voltage Overhead Power Cable	052 - Engineer (Individual)	Approved
052-204-2210	Secure Conductor to Insulator (Energized)	052 - Engineer (Individual)	Approved
052-204-1210	Sag Single Phase and Three Phase Overhead Conductors	052 - Engineer (Individual)	Analysis Completed
052-204-1211	Install Distribution System Protection and Equipment (De-energized)	052 - Engineer (Individual)	Approved
052-204-1212	Operate a Bucket/Material Handler Truck	052 - Engineer (Individual)	Analysis Completed
052-204-1126	Perform Crossarm Change Out (With Conductors)	052 - Engineer (Individual)	Reviewed
052-204-1209	String Single Phase and Three Phase Overhead Conductors	052 - Engineer (Individual)	Analysis Completed
052-204-1121	Install High-Intensity Lights and Ballasts	052 - Engineer (Individual)	Approved
052-204-1123	Secure Conductor to Insulator (De-energized)	052 - Engineer (Individual)	Reviewed
052-204-2304	Perform Secondary Voltage Live-Line Testing	052 - Engineer (Individual)	Analysis Completed
052-204-2305	Trouble Shoot Primary/Secondary Voltage Systems	052 - Engineer (Individual)	Analysis Completed
052-204-2302	Install Distribution System Protection and Equipment (Energized)	052 - Engineer (Individual)	Analysis Completed
052-204-2303	Perform Primary Voltage Live-Line Testing	052 - Engineer (Individual)	Analysis Completed
052-204-2217	Manage a Power Line Crew	052 - Engineer (Individual)	Analysis Completed
052-204-2301	Perform Switching, Blocking and Tagging Procedures	052 - Engineer (Individual)	Approved

052-204-2212	Energize an Electrical Distribution System	052 - Engineer (Individual)	Approved
052-204-2216	Perform Maintenance on Electrical Distribution Equipment	052 - Engineer (Individual)	Approved

Supported Collective Tasks :

Task Number	Title	Proponent	Status
05-3-5700	Created from Template: Install Nonstandard Low-Voltage, Electrical-Power Distribution Equipment	05 - Engineers (Collective)	Analysis
05-3-5700	Install Nonstandard Low-Voltage, Electrical-Power Distribution Equipment	05 - Engineers (Collective)	Approved
05-3-5731	Perform Electrical-Power, Distribution Equipment Organizational Maintenance Operations	05 - Engineers (Collective)	Approved
05-3-5701	Created from Template: Install Low-Voltage, Electrical-Power Distribution Equipment	05 - Engineers (Collective)	Analysis
05-3-5700	Created from Template: Install Nonstandard Low-Voltage, Electrical-Power Distribution Equipment	05 - Engineers (Collective)	Analysis
05-3-5705	Retrieve Electrical-Power Generation and Distribution Equipment	05 - Engineers (Collective)	Approved
05-3-5725	Install Aerial Electrical Power Distribution Equipment	05 - Engineers (Collective)	Approved
05-3-5703	Perform Electrical Safety Systems Testing and Maintenance	05 - Engineers (Collective)	Approved
05-3-5701	Install Low-Voltage, Electrical-Power Distribution Equipment	05 - Engineers (Collective)	Approved

ICTL Data :

ICTL Title	Personnel Type	MOS Data
12Q10, Power Line Distribution Specialist, skill level 1	Enlisted	MOS: 12Q, Skill Level: SL1