

Report Date: 06 May 2014

Summary Report for Individual Task
551-88H-1401
Perform Preventive Maintenance Checks and Services on Material Handling Equipment
Status: Approved

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

Destruction Notice: None

Foreign Disclosure: FD5 - This product/publication has been reviewed by the product developers in coordination with the Fort Lee, VA 23801 foreign disclosure authority. This product is releasable to students from all requesting foreign countries without restrictions.

Condition: Assigned as a Cargo Checker/Handler given a requirement to perform preventive maintenance checks and services on material handling equipment in an operational environment, during day or night, in normal weather conditions, a completed risk assessment, safety briefing, Material Handling Equipment (MHE) requiring preventive maintenance checks and services (PMCS), basic issue items (BII), DA Pam 750-8, DA Form 5988-E (Equipment Inspection Maintenance Worksheet), rags, lubricants, level ground, the appropriate -10 technical manual (TM) for the vehicle, DA Form 5987-E (Motor Equipment Dispatch), and hearing protection. This task should not be trained in MOPP 4.

Standard: Read the applicable TM. Inspect the MHE according to the PMCS table of the appropriate TM. Adhere to all Danger, Warning, Caution, and Note statements concerning the items you are checking. Distinguish between before, during, and after operation maintenance checks. Correct all faults, when possible, within your level of maintenance. Record all uncorrectable faults on DA Form 5988-E completely, accurately, and legibly. Troubleshoot all faults as necessary according to the appropriate TM. Once all maintenance checks are completed, turn in the form to unit maintenance or your direct supervisor. When MHE requires dispatch, make all operator entries on DA Form 5987-E legibly and accurately. Complete all PMCS without injury to personnel or damage to MHE or equipment.

Special Condition: None

Safety Risk: Low

MOPP 4: Never

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| Task Statements |
|------------------------|

Cue: You are assigned as a Cargo Checker/Handler tasked with conducting Preventive Maintenance Checks and Services (PMCS) on Material Handling Equipment (MHE) to ensure that equipment is operational.

DANGER

Adhere to all DANGER statements listed on the equipment or in the vehicle technical operator's manual applicable to this procedure. Failure to comply may result in injury to personnel or damage to equipment.

WARNING

Adhere to all WARNING statements listed on the equipment or in the vehicle technical operator's manual applicable to this procedure. Failure to comply may result in injury to personnel or damage to equipment.

CAUTION

Adhere to all CAUTION statements listed on the equipment or in the vehicle technical operator's manual applicable to this procedure. Failure to comply may result in injury to personnel or damage to equipment.

Remarks: None

Notes: Use the Safety Annex 60 Rules of Safety for Operating Material Handling Equipment (MHE) to conduct safety briefing before operations begin each morning and maintain direct supervision throughout the day.

Performance Steps

WARNING

Remove all watches, rings, and other jewelry prior to start of inspection to avoid injury from snagging or inadvertent electrical grounding.

1. Prepare for inspection by gathering the following items needed for the inspection.
 - a. Oil and lubricants in accordance with TM as needed.
 - b. BII, rags, and other tools as required (authorized for operator level maintenance only).
 - c. DA Form 5988-E.
 - d. Flashlight, work gloves, and hearing protection as needed.
 - e. Applicable -10 TM for the MHE to be inspected.
2. Perform before operation inspection as listed in appropriate equipment operator's manual (-10 series TM).
 - a. Isolate all malfunctions by applying step-by-step troubleshooting procedures.
 - b. Determine classification on any fluid seepage/leakage by the following criteria:
 - (1) Class I - Seepage of fluid (indicated by wetness or discoloration) not great enough to form drops.
 - (2) Class II - Leakage of fluid great enough to form drops but not enough to cause drops to drip from item being inspected.
 - (3) Class III - Leakage of fluid great enough to cause drops to drip from item being checked.
 - c. Correct all deficiencies (faults) within the operator's level of maintenance.
 - d. Record all equipment deficiencies corrected by replacing parts under corrective action of DA Form 5988-E.
 - e. Record all uncorrectable deficiencies under fault description of DA Form 5988-E.
 - f. When a deficiency or shortcoming is found using DA Form 5988-E, the operator or supervisor signs and enters the rank.
3. After performing before operation inspection and equipment has no non-mission capable (NMC) faults, the equipment may be dispatched for a mission.

Note: Make operator entries on DA Form 5987-E.

 - a. Operator and supervisor review SERVICE DUE DATE on DA Form 5987-E and take appropriate action.
 - b. Operator and dispatcher review entries on DA Form 5987-E for accuracy. Dispatcher signs the DA Form 5987-E.
 - c. Operator signs DA Form 5987-E in the operator's block.
4. Perform during operation inspection as listed in the appropriate equipment operator's manual (-10 series TM).

- a. If no deficiencies are noted, make no entries.
 - b. If deficiencies are noted, follow step two above.
5. Perform after operation inspection as listed in the appropriate equipment operator's manual (-10 series TM).
- a. If no deficiencies noted, make no entries.
 - b. If deficiencies are noted, follow step two above.
6. Turn in DA Form 5988-E to the maintenance supervisor if faults are recorded during inspection.
7. Retain DA Form 5988-E in equipment records folder if no faults are recorded.

(Asterisks indicates a leader performance step.)

Evaluation Guidance: Score the Soldier GO if all steps are passed (P). Score the Soldier NO-GO if any step is failed (F). If the Soldier fails any step, show what was done wrong and how to do it correctly.

Evaluation Preparation: Ensure that all information, references and equipment required to perform the task are available. Use the TM and the Evaluation Guide to score the Soldier's performance. Brief the Soldier. Tell the Soldier what is required IAW the task condition and standard.

| PERFORMANCE MEASURES | GO | NO-GO | N/A |
|--|----|-------|-----|
| 1. Prepared for inspection by gathering needed items. | | | |
| 2. Performed before operation inspection as listed in appropriate equipment operator's manual (-10 series TM). | | | |
| 3. Completed operator entries on DA Form 5987-E for equipment dispatch. | | | |
| 4. Performed during operation inspection as listed in appropriate equipment operator's manual (-10 series TM). | | | |
| 5. Performed after operation inspection as listed in appropriate equipment operator's manual (-10 series TM). | | | |
| 6. Turned in DA Form 5988-E to the maintenance supervisor if faults were recorded during inspection. | | | |
| 7. Retained DA Form 5988-E in equipment folder if no faults were recorded. | | | |

Supporting Reference(s):

| Step Number | Reference ID | Reference Name | Required | Primary |
|-------------|-------------------|---|----------|---------|
| | DA FORM 5987-E | MOTOR EQUIPMENT DISPATCH (EGA) | Yes | No |
| | DA FORM 5988-E | Equipment Inspection Maintenance Worksheet | Yes | No |
| | DA PAM 750-8 | The Army Maintenance Management System (TAMMS) Users Manual | No | No |
| | TM 10-3930-673-10 | OPERATORS MANUAL FOR ALL TERRAIN LIFTER ARMY SYSTEM (ATLAS) CLEAN BURN DIESEL 10,000 LB CAPACITY MODEL SKYTRAK 10,000M (NSN 3930-01-417-2886) | Yes | No |
| | TM 10-3930-675-10 | OPERATOR'S MANUAL FOR ROUGH TERRAIN CONTAINER HANDLER (RTCH);RT 240; 53,000 LB CAPACITY; 4 X 4NSN 3930-01-473-3998NSN 3930-01-522-7364 | Yes | No |
| | TM 10-3930-680-10 | LIGHT CAPABILITY ROUGHTERRAIN FORKLIFT (LCRTF)5K | Yes | No |
| | TM 5-3810-306-10 | OPERATORS MANUAL FOR CONTAINER CRANE, 40-TON, ROUGH TERRAIN, MODEL RT875CC (NSN 3810-01-205-2716) | 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. AR 200-1 delineates TRADOC responsibilities to integrate environmental requirements across DOTMLPF and ensures all training procedures, training manuals, and training doctrine includes sound environmental practices and considerations. The Army's environmental vision is to be a national leader in environmental and natural resource stewardship for present and future generations as an integral part of all Army missions. Environmental protection is never completed. Continuously be alert to ways to protect our environment and reduce waste. Leaders must ensure that their unit has an active and strong environmental program. They must understand the laws and know what actions to take. Leaders bring focus, direction, and commitment to environmental protection. Commanding officers should ensure the following environmental programs are in place and are being maintained:

- Hazardous materials program.
- Hazardous waste program.
- Hazardous communications program.
- Pollution prevention and hazardous waste minimization recycling program.
- Spill prevention and response plan program.

Safety: In a training environment, leaders must perform a risk assessment in accordance with FM 5-19, 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. All Soldiers and leaders must maintain a proactive posture towards safety in day-to-day operations. The need for total commitment to safety should be evident to commanders, senior Soldiers, and their subordinates. The importance of safety is intensified for personnel conducting maintenance on material handling equipment. Safety awareness is most effective at three levels: command, leader, and individual. Observe all Warnings and Cautions and remain aware of the following:

- Hearing protection requirements.
- Danger of suspended/unbalanced loads.

All operations will be performed to protect and preserve Army personnel and property against accidental loss. Procedures will provide for public safety incidental to Army operations and activities and safe and healthful workplaces, procedures, and equipment. Observe all safety and/or environment precautions regarding electricity, cable, and lines. Provide ventilation for exhaust fumes during equipment operation and use hearing protection when required IAW AR 385-10, the Clean Air Act (CAA) and the CAA amendments, and the OSHA Hazard Communication standard. Accidents are an

unacceptable impediment to Army missions, readiness, morale, and resources. Decision makers at every level will employ risk management approaches to effectively preclude unacceptable risk to the safety of personnel and property affiliated with this task.

- (a) Take personal responsibility.
- (b) Practice safe operations.
- (c) Recognize unsafe acts and conditions.
- (d) Take action to prevent accidents.
- (e) Report unsafe acts and conditions.
- (f) Work as a team.

Prerequisite Individual Tasks : None

Supporting Individual Tasks :

| Task Number | Title | Proponent | Status |
|--------------|--|-----------------------------------|--------------------|
| 551-88H-1540 | Operate RT-240 Rough Terrain Container Handler With a Load | 551 - Transportation (Individual) | Approved |
| 551-88H-1539 | Operate RT 240 Rough Terrain Container Handler Without a Load | 551 - Transportation (Individual) | Approved |
| 551-88H-1538 | Operate ATLAS Rough Terrain Forklift With a Load | 551 - Transportation (Individual) | Analysis Completed |
| 551-88H-1529 | Prepare the 5K Light Capacity Rough Terrain Forklift (LCRTF) for Operation | 551 - Transportation (Individual) | Analysis Completed |
| 551-88H-1533 | Operate the 4,000-lb Rough Terrain Forklift | 551 - Transportation (Individual) | Analysis Completed |
| 551-88H-1532 | Operate 5K Light Capacity Rough Terrain Forklift (LCRTF) Without a Load | 551 - Transportation (Individual) | Analysis Completed |
| 551-88H-1602 | Prepare RT 875 Rough Terrain Container Crane for Operations | 551 - Transportation (Individual) | Analysis Completed |

Supported Individual Tasks :

| Task Number | Title | Proponent | Status |
|--------------|--|-----------------------------------|--------------------|
| 551-88H-1530 | Operate 5K Light Capacity Rough Terrain Forklift (LCRTF) With a Load | 551 - Transportation (Individual) | Analysis Completed |
| 551-88H-2607 | Supervise RT875 Rough Terrain Container Crane Operations | 551 - Transportation (Individual) | Approved |
| 551-88H-2608 | Prepare RT240 Rough Terrain Container Handler for Air Movement | 551 - Transportation (Individual) | Approved |
| 551-88H-1537 | Operate ATLAS Rough Terrain Forklift Without a Load | 551 - Transportation (Individual) | Analysis Completed |
| 551-88H-2609 | Attach Forklift Kit to RT 240 Rough Terrain Container Handler | 551 - Transportation (Individual) | Approved |

Supported Collective Tasks :

| Task Number | Title | Proponent | Status |
|-------------|--|----------------------------------|----------|
| 55-2-1409 | Conduct Container Operations at a Hub. | 55 - Transportation (Collective) | Approved |
| 55-2-1408 | Conduct Cargo Transfer Operations. | 55 - Transportation (Collective) | Approved |

ICTL Data :

| ICTL Title | Personnel Type | MOS Data |
|--------------------------------|----------------|---|
| MOS 88H - CARGO SPECIALIST SL2 | Enlisted | MOS: 88H, Skill Level: SL2, Duty Pos: ABW |
| MOS 88H - CARGO SPECIALIST SL3 | Enlisted | MOS: 88H, Skill Level: SL3, Duty Pos: TBA |

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| MOS 88H - CARGO SPECIALIST SL1 | Enlisted | MOS: 88H, Skill Level: SL1, Duty Pos: TAZ |
| MOS 88H - CARGO SPECIALIST SL4 | Enlisted | MOS: 88H, Skill Level: SL4, Duty Pos: TGI |