

Summary Report for Individual Task
551-88M-1516
Manually steer the M1000 Trailer
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. foreign disclosure authority. This product is releasable to students from all requesting foreign countries without restrictions.

Condition: In an operational environment, given an M1000 semitrailer with basic issue items (BII) and operational auxiliary power unit (APU), hearing protection, work gloves, and assistance as needed.

Some iterations of this task should be performed in MOPP 4.

Standard: Manually steer the M1000 semitrailer into position for movement with 100% accuracy, without causing injury to personnel or damage to equipment.

Special Condition: All operations involving the M1070 and M1000 require two persons.

Safety Risk: Medium

MOPP 4: Sometimes

Task Statements

Cue: Your unit has a mission to move heavy equipment. Your HET tractor-Semitrailer combination is coupled at an angle which requires a manual movement of the trailer.

DANGER

Soldiers must be aware of the inherent dangers of working in and around tactical wheeled vehicles. Hot surfaces, sharp, moving objects such as fan blades, slippery surfaces, and excessively loud noises are all dangers. These dangers are also applicable to hazardous cargo being transported (as applicable). Each Soldier should take every precaution not to become a victim of these dangers by following regulatory guidance and risk management rules.

WARNING

Adhere to all WARNING statements in the referenced technical manuals for the procedures identified for this task.

CAUTION

Adhere to all CAUTION statements in the referenced technical manuals for the procedures identified for this task.

Remarks: None

Notes: None

Performance Steps

CAUTION

The suspension shut-off valve handle must be pulled outward to the ADJUST position prior to operating any valve handles. If the suspension shut-off valve handle is not properly positioned for intended operation, severe damage to equipment may result.

1. Start and run the APU.
2. Remove pin from access cover hasp. Rotate hasp and lower access cover.
3. Pull out handle of suspension shut-off valve to ADJUST position.
Note: The brakes on the semitrailer should be released when making steering adjustments. If the brakes are not released, steering adjustments will be much slower and harder to accomplish.
4. Release parking brakes by one of the following methods:
 - a. With tractor/semitrailer coupled, apply tractor parking brake and push in knob of brake release valve to release semitrailer parking brake.
 - b. If uncoupled, push in knob of brake release valve.

CAUTION

If the tractor/semitrailer is uncoupled, manual steering may be used ONLY to move the steering wedge; however, manual steering of the wheels must not be attempted. Manual steering without being coupled to a tractor may cause the steering arm to move to an extreme over-center position, which can be extremely difficult to recover, and can cause damage to equipment.

5. Ensure that semitrailer is coupled to tractor and steering wedge is secured/tight in tractor fifth wheel vee entry.

CAUTION

Wheel chocks must be moved away from tires prior to adjusting steering or damage to chocks and tires may result.

6. Move all four wheel chocks approximately 6 inches (15 cm) away from tires prior to adjusting steering.
7. Push down handle of steering valve to turn steerable bogies to the left. Once bogies turn completely left and stop, release handle of steering valve.
8. Pull up handle of steering valve to turn steerable bogies to the right. Once bogies turn completely right and stop, release handle of steering valve.
9. Operate steering valve and return steerable bogies to approximately straight position (in line with kingpin, facing forward).

WARNING

With semitrailer uncoupled and gladhand dummy couplings installed, parking brakes cannot be applied with brake release valve. The dummy coupling must be removed from the emergency (red) gladhand prior to applying parking brakes or injury to personnel may result.

10. If no other adjustments are required, proceed as follows:
If coupled, apply semitrailer parking brakes using semitrailer brake release valve. If semitrailer is uncoupled, remove dummy coupling from emergency (red) gladhand. Apply brakes on semitrailer by pulling knob on brake release valve outward. If no other braking applications are required, install dummy coupling onto emergency gladhand.

11. Move wheel chocks back into place under tires to chock wheels.

12. Push in handles of suspension shut-off valve to SHUT-OFF position.

13. Close access cover, rotate hasp to secure cover, and install pin in hasp.

14. Shut down APU.

(Asterisks indicates a leader performance step.)

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If any performance measure is failed, tell the soldier what was done wrong and how to do it correctly.

Evaluation Preparation: Setup: Brief Soldier on task specifications, given an M1000 semitrailer with basic issue items (BI) and operational auxiliary power unit (APU), hearing protection, work gloves, and assistance as needed.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Started the APU.			
2. Prepared semitrailer for manual steering operation.			
3. Steered bogie(s) manually fully left and fully right direction.			
4. Returned steerable bogies to approximately straight position.			
5. Shutdown the APU.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	TM 9-2320-360-10	OPERATORS MANUAL FOR TRUCK, TRACTOR, M1070, 8X8, HEAVY EQUIPMENT TRANSPORTER (HET) (NSN 2320-01-318-9902) (EIC: B5C) (REPRINTED W/BASIC INCL C1-3)	Yes	No
	TM 9-2330-381-14	OPERATORS, UNIT, DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE MANUAL FOR HEAVY EQUIPMENT TRANSPORTER SEMITRAILER, 70 TON, M1000 (NSN 2330-01-303-8832) (EIC: CXU) (TM 09295A-14/1}D	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. 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

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.

Prerequisite Individual Tasks :

Task Number	Title	Proponent	Status
551-88M-1517	Operate Heavy Equipment Transporter (HET) on Improved Roads	551 - Transportation (Individual)	Reviewed

Supporting Individual Tasks : None

Supported Individual Tasks :

Task Number	Title	Proponent	Status
551-88M-2335	Supervise Loading a Disabled Tracked/Wheeled Vehicle onto a Heavy Equipment Transporter	551 - Transportation (Individual)	Analysis Completed
551-88M-1518	Load Disabled Tracked/Wheeled Vehicle onto a Heavy Equipment Transporter.	551 - Transportation (Individual)	Reviewed

Supported Collective Tasks : None