

Summary Report for Individual Task
551-88M-1515
Operate the Loading Ramps on the M1000 Semitrailer
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), hearing protection, work gloves, and assistance as needed from other crew members.

Special Conditions: Position semitrailer on level ground when possible. Some iterations of this task should be performed in MOPP 4.

Standard: Operate the loading ramps on the M1000 semitrailer with 100% accuracy, without causing injury to personnel or damage to equipment.

Special Condition: None

Safety Risk: Medium

MOPP 4: Sometimes

Task Statements

Cue: Your unit is required to transport some heavy loads and you must prepare for movement.

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: See description.

Performance Steps

1. Adjust Loading Ramps.

WARNING

When the ramp stow chains are disconnected from the platform, DO NOT stand behind the ramps or near the path the ramps can travel when being lowered or raised. Failure to follow this warning may result in serious injury to personnel.

a. Release snap and load binder. Remove stow chain hook from slotted hole in platform.

Note: • The loading ramps may require span width adjustment to accommodate the intended payload. If ramps require adjustment, perform steps 1 through 4. • Adjustments must be accomplished prior to lowering the ramps. • If the ramps DO NOT require adjustment, proceed to the Lowering Loading Ramps procedure (below).

• Both loading ramps are adjusted the same way. Adjust the ramps one at a time.

b. Connect stow chain hook to aft set of ISO Container brackets mounting hole and close load binder.

c. Remove hitch pin and crowbar from rear of platform below loading ramps.

d. Reinstall hitch pin to retain remaining isolation valve handle extension.

e. Insert small end of crowbar in ramp lift lever and bar strip.

f. With aid of an assistant, position one person on rear of platform to push ramp rearward against stow chain until ramp is perpendicular to platform.

g. Second person must push or pull on crowbar in direction required to slide ramp outboard from center.

h. Continue to place crowbar in holes along bar strip and move ramp to furthest outboard position.

i. Repeat steps to adjust remaining ramp.

2. Lower loading ramps.

a. Open snap and load binder.

b. Remove stow chain hook from platform and attach hook into hole in ramp lever. Close load binder.

c. Standing behind platform, between both ramps, grasp lower handle on loading ramp and pull downward.

d. As ramp swings downward, grasp upper handle and apply pressure until ramp angle is below horizontal; then push down until ramp is on ground.

e. Repeat steps to lower other ramp.

3. Raise loading ramps.

WARNING

The spring-assisted ramps, when raised from the lowered position, are under extreme tension and rise very quickly. When raising ramps, DO NOT stand on the beavertail or in the path where any portion of the ramp will travel during upward travel. Failure to follow this warning may result in injury to personnel.

- a. Grasp upper handle on ramp and pull upward.

Note:

Both loading ramps are raised the same way. Raise loading ramps one at a time.

- b. Release upper handle as ramp passes horizontal position and continues to raise from spring tension.

- c. Grasp lower handle and apply pressure until ramp is firmly against beavertail.

- d. Open load binder and unhook stow chains from ramp lifting lever.

- e. Connect stow chain hook to foremost mounting hole.

Note: Ramps must be adjusted to furthest inward position prior to stowing for transport.

- f. Close load binder.

- g. Insert small end of crowbar through hole in ramp lift lever in bar strip.

h. With aid of assistant, position a person on rear of platform to push ramp rearward until it is perpendicular to platform.

- i. Second person must push or pull on crowbar in the direction required to slide ramp inward.

- j. Continue to place crowbar in holes along bar strip and move ramp to furthest inward position.

- k. Repeat steps to raise other ramp.

l. Open load binder, remove stow chain hook from ISO container mounting bracket hole, and connect chain hook at slotted holes in center of platform.

- m. Close load binders and engage snap to prevent accidental opening.

Note: If chain sags with load binder closed, open load binder, remove quick link at end of chain, and shorten chain until there is no sag.

- n. Remove hitch pin from brackets and reinstall crowbar in brackets on rear of platform. Reinstall hitch pins.

(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. Provide a Heavy Equipment Transport Semitrailer, hearing protection, assistance from another crewmember, solid-level ground to operate.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Adjusted Loading Ramps.			
2. Lowered loading ramps.			
3. Raised loading ramps.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	TM 9-2320-427-10	OPERATORS MANUAL FOR TRACTOR, TRUCK, M1070A1 (NSN: 2320-01-564-6882)	Yes	Yes
	TM 9-2330-381-13	Operator and Field Maintenance Manual for Semitrailer, Transporter, Heavy Equipment 70 Ton, M1000 (NSN 2330-01-303-8832) (EIC: CXU)	Yes	Yes

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. **WARNING:**

When the ramp stow chains are disconnected from the platform, do not stand behind the ramps or near the path the ramps can travel when being lowered or raised or serious injury to personnel may result.

CAUTION:

Beacon warning light must be raised after raising or adjusting loading ramps or damage to equipment will occur.

WARNING:

The spring assisted ramps, when raised from the lowered position, are under extreme tension and rise very quickly. When raising ramps, do not stand on the beavertail or in the path where any portion of the ramp will travel during upward travel or injury to personnel may result.

Prerequisite Individual Tasks :

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

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)	Approved

Supported Collective Tasks : None