

Summary Report for Individual Task
551-88M-2374
Supervise Loading/Unloading of a Tracked/Wheeled Vehicle onto/from a Semitrailer
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 Lee, VA. foreign disclosure officer. This training product can be used to instruct international military students from all approved countries without restrictions.

Condition: In an operational environment, complete a risk assessment worksheet on procedures to be performed and ensure command approval of procedures is achieved. Given a mission-ready, coupled tractor-semitrailer combination (M915/M872), vehicle tiedown devices, payload vehicle (tracked or wheeled), Soldiers performing duties as vehicle driver and assistant, crew from payload vehicle, route height and width restriction data, payload vehicle characteristic information, level ground, loading dock, work gloves. Coupled tractor-semitrailer has been parked against a loading dock for loading. Some iterations of this task should be performed in MOPP 4.

Standard: Supervise Soldiers loading a tracked or wheeled vehicle onto/from the semitrailer. Vehicle is to be positioned according to both the semitrailer and payload vehicle center-of-gravity with 100% accuracy. Payload vehicle is to be secured using serviceable tiedown devices positioned to provide secure transport of payload vehicle without injury to personnel or damage to any equipment.

Special Condition: None

Safety Risk: Low

MOPP 4: Sometimes

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| Task Statements |
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Cue: Your unit has received a mission to transport several payload vehicles to the port for redeployment.

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. Each Soldier should take every precaution not to become a victim of these dangers by following regulatory guidance and risk management rules.

DO NOT use a "cheater bar" to engage or disengage the operating lever. Failure to comply may result in serious painful injury or death to personnel.

WARNING

Before loading, payload vehicle driver must have at least one ground guide to guide vehicle onto semitrailer, and two to guide it off the semitrailer. Payload vehicle operator cannot clearly see on all sides. Failure to comply may result in death or serious injury to personnel or damage to equipment. Adhere to all WARNING statements in the referenced vehicle or equipment technical manuals for the procedures identified for this task.

CAUTION

DO NOT overload semitrailer. Ensure that the GVW of the payload vehicle does not exceed the semitrailer's load capacity. Failure to comply may result in equipment damage. Adhere to all CAUTION statements in the referenced vehicle or equipment technical manuals for the procedures identified for this task.

Remarks: None

Notes: None

Performance Steps

1. Perform a risk assessment (DA Form 7566).
 - a. Identify hazards.
 - b. Assess hazards to determine risk.
 - c. Develop controls.
 - d. Implement controls.
 - e. Supervise.
 - f. Evaluate.
2. Ensure the following actions are completed in preparation for loading.
 - a. Remove semitrailer sideboards (if installed).
 - b. Ensure semitrailer is clear of all obstacles, nails or any foreign objects that may interfere with safe loading of payload vehicle.
 - c. Emplace loading ramps between loading dock and rear of semitrailer if necessary.
 - d. Gather all necessary tiedown materials for securing vehicle payload to semitrailer.
 - e. Prepare payload vehicle by:
 - (1) Reducing it by folding in the outside mirrors, lowering or removing radio antennae, and crew served weapons are removed.
 - (2) Ensure canvas and bows, if installed, are removed or secured tightly against payload vehicle to prevent loosening or loss during movement.
3. Ensure that payload vehicle is properly aligned to allow driver to drive straight onto the semitrailer.
 - a. Note shifting of weight and width of payload vehicle as compared to semitrailer width.
 - b. If payload vehicle appears to be loaded improperly or is characteristically unbalanced, do not allow loading.

WARNING

Care should be taken to ensure any leaking tire (wheeled vehicle) is replaced on payload vehicle because premature deflation during movement could cause load to dangerously shift or fall from semitrailer causing injury or death to personnel and damage to equipment.

(3) Secure payload vehicle cargo load (if loaded). If payload vehicle is combat loaded, ensure all items are secured on inside of vehicle.

(4) Check payload vehicle tire pressure (wheeled) and inflate or deflate to proper pressure.

4. Direct loading of payload vehicle onto semitrailer.
 - a. Position yourself to clearly view movement of payload vehicle onto semitrailer.
 - b. Ensure vehicle ground guides are positioned properly so that the payload vehicle driver has a clear field of view.
 - c. Direct that payload vehicle is shutdown and brakes are set by vehicle operator.
 - d. Ensure vehicle is guided into position on semitrailer by closely monitoring weight shifting and direction of travel.
 - e. For tracked vehicles, ensure that any payload vehicle overhang is evenly distributed on both sides of the semitrailer.
5. Once payload vehicle is loaded, ensure that there are no height and width violations.
 - a. Ensure that driver uses a suitable measuring device such as a retractable measuring tape (25ft.) or telescoping rod/pole with measuring graduations.

CAUTION

Ensure that point from which measurements are taken on the ground, is at the same level as the semitrailer wheels. Failure to comply could result in an inaccurate measurement. Measure at least two times in each direction (vertically and horizontally).

b. Ensure the height is measured from level ground on side of semitrailer to the highest point of the payload vehicle. Height should not exceed 13 feet, 5 inches in CONUS and 13 feet, 1 inch OCONUS. A minimum of two measurements are required.

- c. Ensure that the width measurement is taken from the widest point of the load. Measure at least twice.
 - d. Compare measurements to any route restrictions. Reduce or reject load if this restriction is exceeded.
6. Ensure that payload vehicle is secured to semitrailer.
 - a. Position yourself to clearly view personnel securing the payload vehicle.
 - b. Ensure the selection of appropriate tiedown anchor points on semitrailer and tiedown clevises on payload vehicle.
 - c. Ensure that all tiedown devices are routed properly and attached to appropriate anchor points.
 - d. Ensure that all tiedown devices are securely tightened.
 - e. Ensure that any loose ends of tiedown devices are secured.

7. Ensure preparations are made for unloading of payload vehicle from semitrailer. Position yourself so that you can see all aspect of the unloading process to include ground guide signalling and movement of the payload vehicle.

- a. For the tractor-semitrailer ensure the following is accomplished:

(1) Tractor-semitrailer is parked against the loading dock with brakes set.

(2) Tractor-semitrailer is chocked and loading ramps or spanners are emplaced (as needed).

b. For the payload vehicle ensure the following is accomplished:

(1) Vehicle has not shifted out of position on semitrailer which would make removal a hazard.

(2) Removal and stowage of all tiedown materials from payload vehicle.

(3) Movement of payload vehicle from the semitrailer and positioned as directed in loading area (parked with brakes set).

(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 the Soldier on task specifications. Provide a mission-ready, coupled tractor-semitrailer combination (M915/M872), vehicle tiedown devices, payload vehicle (tracked or wheeled), Soldiers performing duties as vehicle driver and assistant, crew from payload vehicle, route height and width restriction data, payload vehicle characteristic information, level ground, loading dock, work gloves. Coupled tractor-semitrailer has been parked against a loading dock for loading.

| PERFORMANCE MEASURES | GO | NO-GO | N/A |
|-----------------------------------------------------------------------------------------------------------------|----|-------|-----|
| 1. Performed a risk assessment. | | | |
| 2. Ensured preparations were completed for the load/unload operation. | | | |
| 3. Ensured the payload vehicle was aligned properly for loading. | | | |
| 4. Directed the loading of payload vehicle on semitrailer. | | | |
| 5. Ensured that height and weight of semitrailer with load did not exceed route restrictions (CONUS or OCONUS). | | | |
| 6. Ensured that payload vehicle was secured to semitrailer. | | | |
| 7. Ensured that payload vehicle was unloaded from semitrailer. | | | |

Supporting Reference(s):

| Step Number | Reference ID | Reference Name | Required | Primary |
|-------------|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|
| | 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 | No | No |
| | FM 21-60 | Visual Signals | No | No |
| | GGG-B-325B | Federal Specifications, Binder, Load | No | No |
| | SDDC TEA PAM 55-20 | Tiedown Handbook for Truck Movements 4th Edition | No | No |
| | TC 21-305-20 | Manual for the Wheeled Vehicle Operator {AFMAN 24-306(I)} | No | No |
| | TM 9-2320-302-10 | OPERATORS MANUAL FOR TRUCK, TRACTOR, LINE HAUL: 52,000 GVWR, 6X4, M915A3 (NSN 2320-01-432-4847) | No | No |
| | TM 9-2320-426-10 | Truck, Tractor, Line Haul, M915A5, 6X4 | No | No |
| | TM 9-2330-359-14&P | OPERATORS, ORGANIZATIONAL, DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE MANUAL (INCLUDING REPAIR PARTS AND SPECIAL TOOLS LISTS) FOR SEMITRAILER, FLATBED: BREAKBULK/CONTAINER TRANSPORTER, 34 TON M872 (T | 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

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-1364 | Operate Vehicle with Standard, Automatic/Semiautomatic Transmission | 551 - Transportation (Individual) | Approved |
| 551-88M-1382 | Perform Loading/Unloading of a Tracked/Wheeled Vehicle onto/from a Semitrailer | 551 - Transportation (Individual) | Approved |
| 551-88M-1352 | Perform Preventive Maintenance Checks | 551 - Transportation (Individual) | Approved |

Supporting Individual Tasks :

| Task Number | Title | Proponent | Status |
|--------------|------------------------------------------------------|-----------------------------------|----------|
| 551-88M-1384 | Perform as Wheeled Vehicle Ground Guide Day or Night | 551 - Transportation (Individual) | Approved |
| 551-88M-1411 | Perform Tiedown Procedures | 551 - Transportation (Individual) | Approved |
| 551-88M-1367 | Back Vehicle with Semitrailer | 551 - Transportation (Individual) | Approved |

Supported Individual Tasks : None

Supported Collective Tasks : None