

Summary Report for Individual Task
551-88M-1504
Conduct Load/Unloading Operations in Manual Mode
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, your unit is required to provide supplies for an upcoming mission. Given a Palletized Load System (PLS) or Heavy Expanded Mobility Tactical Truck-Load Handling System (HEMTT-LHS) truck tractor, flatrack, hearing protection, work gloves, and assistance from ground guide(s).

Standard: Load and unload a flatrack or Container Roll-in/Roll-out Platform using either a PLS (M1075) or HEMTT-LHS (M1120A4) truck tractor using the manual mode method without injury to personnel or damage to equipment.

Special Condition: None

Safety Risk: Medium

MOPP 4:

Task Statements

Cue: Your unit is given a supply mission.

DANGER
None

WARNING
None

CAUTION
None

Remarks: None

Notes: None

Performance Steps

CAUTION

CAUTIONS

To avoid equipment damage, ensure that hook arm cylinders do not complete full extension while operating at engine speeds above idle.

Manual mode is used mainly in event of a failure of control electrical system. Greater care must be exercised during operation of MANUAL mode for correct cycle of events to occur or damage to equipment may result.

1. Position truck tractor for loading/unloading operations (PLS Only).
 - a. Change truck weight indicator to reflect load weight to be uploaded.
 - b. Adjust driver seat and controls as necessary.
 - c. Ensure vehicle fuel level is sufficient for mission. Refuel as needed.
 - d. Operate lights according to tactical situation.
 - e. Start vehicle. Normal starting procedures (see TM 9-2320-364-10 for details if necessary).
 - f. Check vehicle gauges and warning buzzers for proper indication.
 - g. Operate service brakes and hand brakes as necessary.
 - (1) Ensure brake air pressure gauge reads 100 psi for proper operation of brake system.
 - (2) Operate trailer brakes as necessary.
 - h. Select proper gear range using transmission range selector.
 - i. Position vehicle for uploading operations.
 - (1) If available, always use a ground guide (one or more) to maneuver vehicle into position.
 - (2) Chock vehicle wheels.
 - (3) Set parking brake as required.
 - (4) Prepare Load Handling System (LHS) for uploading.
2. Load flatrack onto truck tractor (PLS only).
 - a. Set the transmission range selector to Reverse (R) and back truck up to the flatrack. Stop approximately 5 feet (1.5 meters) from hook-bar. Check for overhead obstructions and firmness of ground.

CAUTION

CAUTIONS

To avoid equipment damage, ensure that hook arm cylinders do not complete full extension while operating at engine speeds above idle.

Manual mode is used mainly in event of a failure of control electrical system. Greater care must be exercised during operation of MANUAL mode for correct cycle of events to occur or damage to equipment may result.

- b. Apply the service brake pedal and set transmission range selector to Neutral (N).

WARNING

WARNINGS

CHECK FOR OVERHEAD POWER LINES OR OTHER OBSTRUCTIONS BEFORE ATTEMPTING LHS OPERATION. IF LHS REACHES A HEIGHT OF 17 FEET, 2 INCHES (5.22 METERS) WITH ISO CONTAINER, SERIOUS INJURY OR DEATH COULD RESULT FROM CONTACT WITH ELECTRICAL POWER LINES. CHECK GROUND CONDITIONS FOR FIRMNESS AND EXTREME SIDEWAYS INCLINATION BEFORE PICKING-UP OR OFF-LOADING A FLATRACK. ANY GROUND INSTABILITY BENEATH ROAD WHEELS COULD CAUSE SERIOUS INJURY OR DEATH TO PERSONNEL. PRIOR TO AND DURING ANY LOAD OR UNLOAD CYCLE, ALL PERSONNEL SHOULD STAY CLEAR OF LHS AND FLATRACK OR SERIOUS INJURY OR DEATH COULD RESULT TO PERSONNEL.

- c. Turn the hydraulic selector switch to MAN H.A.
- d. Move joystick to UNLOAD and hold until hook arm cylinders are fully extended.

CAUTION

CAUTIONS

Engine speed must be at idle before using hydraulic selector switch or damage to equipment may result. To avoid equipment damage, ensure that mainframe cylinders do not complete full extension while operating at engine speeds above idle. Manual mode is used mainly in event of a failure of control electrical system. Greater care must be exercised during operation of MANUAL mode for correct cycle of events to occur or damage to equipment may result. If LHS had previously been used in Manual Mode and not completely stowed in Auto Mode, the hook arm cylinders must be completely extended or the LHS must be completely stowed using Auto Mode before the flatrack can be loaded. Failure to comply may result in damage to the truck and flatrack.

- e. Release joystick.
- f. Turn hydraulic selector switch to MAN M.F.
- g. Move joystick to UNLOAD and hold until lift-hook has moved below level of flatrack hook-bar.

h. Apply service brake pedal and set transmission range selector to Reverse (R) and back truck up to flatrack, aligning truck and flatrack as straight as possible with lift-hook to the middle of hook-bar.

i. Stop truck when lift-hook touches flatrack.

j. Leave truck in reverse gear with engine at idle.

Note: Ensure parking brake is not applied during unload sequence or damage to equipment may result. Do not use Reverse (R) to back up truck while hook arm is attached to flatrack or damage to LHS will occur.

k. Move joystick to LOAD to engage lift-hook and hook-bar.

l. If lift-hook fails to engage hook-bar:

(1) Release joystick.

(2) Set transmission range selector to Drive (D), release service brake pedal and move truck forward just clear of flatrack.

(3) Move joystick to UNLOAD until lift-hook is below level of hook-bar.

(4) Repeat steps j and k.

Note: When loading or unloading flatracks on uneven ground (side slope or downgrades up to 10 degrees) it may be necessary to apply truck service brakes to prevent truck roll away or severe injury or death could result. Prior to and during any load or unload cycle, all personnel should stay clear of LHS and flatrack or serious injury or death could result to personnel.

m. Set transmission range selector to Neutral (N) and release service brake pedal.

Note: If LHS overload lamp illuminates but loading operation continues, operator is cautioned that LHS is nearing maximum capacity. In this situation, operator should determine if payload is evenly distributed on flatrack or if flatrack load exceeds 16.5 tons (14,969 kg). If any of these conditions exist, operator must redistribute or reduce payload or damage to equipment may result. Ensure that parking brake is not applied before starting load sequence or damage to equipment may result.

CAUTION

CAUTION

Ensure that flatrack runners contact LHS rear rollers correctly. Failure to contact flatrack runners correctly could result in serious injury or death to personnel and damage to equipment.

n. Move joystick to LOAD, allowing truck to be pulled under flatrack.

o. Before flatrack contacts rear rollers, reduce engine speed and apply service brake pedal.

p. Release the joystick. Set hydraulic selector switch to MAN H.A.

q. Move the joystick to LOAD until flatrack is approximately 2 feet (0.61 m) off the ground. Release joystick.

r. Set the hydraulic selector switch to MAN M.F. operations.

s. After flatrack contacts rear rollers, increase engine speed to approximately 1,500 rpm until main frame cylinders have nearly completed full retraction.

t. Reduce engine speed to idle and continue loading until main frame cylinders are fully retracted.

- u. Release the joystick.
- v. Turn the hydraulic selector switch to MAN H.A.
- w. Move the joystick to LOAD position and increase engine speed until flatrack is nearly loaded, then reduce speed to idle.
- x. Continue to load until LHS and flatrack is in transit position. LHS NO TRANS light will extinguish.
- y. Release joystick.
- z. Apply parking brakes.

CAUTION

CAUTIONS

Check for overhead power lines or other obstructions before attempting LHS operation. LHS reaches a height of 17 feet, two inches (5.22 m) with ISO container. Serious injury or death could result from contact with electrical power lines. Check ground conditions for firmness and extreme sideways inclination before picking-up or off-loading a flatrack. Any ground instability beneath road wheels could cause serious injury or death to personnel.

Prior to and during any load or unload cycle, all personnel should stay clear of LHS and flatrack or serious injury or death could result to personnel.

aa. Inspect that load locks have engaged and flatrack is fully down on truck. Turn the hydraulic selector switch to MAN TRANS.

3. Offload flatrack from truck tractor (PLS only).

- a. Check for sufficient operating room at front and rear of truck. Check overhead clearance and ground conditions.
- b. Apply the service brake pedal and set transmission range selector to Neutral (N).
- c. Turn the hydraulic selector switch to MAN H.A.
- d. Move the joystick to UNLOAD until hook arm cylinders have fully extended. Maintain engine speed at idle for approximately the first 18 inches (46 cm) and last 6 inches (15 cm) of movement.
- e. Release the joystick.
- f. Turn the hydraulic selector switch to MAN M.F.
- g. Move the joystick to UNLOAD.
- h. When back edge of flatrack touches ground, release service brake pedal allowing truck to be pushed straight from under flatrack.
- i. Continue off-loading until front of flatrack is within 8 inches (203.2 cm) of ground, decrease engine speed to idle and apply service brake pedal.

j. Continue off-loading until flatrack is on ground and rear suspension is unloaded.

k. Release joystick.

l. Set transmission range selector to Drive (D) and release service brake pedal.

m. Move the joystick to LOAD momentarily and then to UNLOAD to let lift-hook disengage from hook-bar. Repeat step until lift-hook disengages.

n. Move the truck forward approximately 5 feet (1.5 meters).

o. Stop the truck and set the transmission range selector to Neutral (N).

p. Move the joystick to LOAD and hold in this position until mainframe cylinders are fully retracted.

q. Turn the hydraulic selector switch to MAN H.A.

r. Hold the joystick in LOAD position until the hook arm cylinders are fully retracted.

s. Release joystick.

4. Load a flatrack onto truck tractor (HEMTT-LHS only).

a. Set transmission range selector to Reverse (R) and back truck up to the flatrack. Stop approximately 5 feet (1.5 m) from hook bar. Check for overhead obstructions and firmness of ground.

CAUTION

CAUTIONS

Avoid equipment damage, ensure that hook arm cylinders do not complete full extension while operating at engine speeds above idle. Manual mode is used mainly in event of a failure of automatic control electrical system and when loading FRS. Greater care must be exercised during operation of MANUAL mode for correct cycle of events to occur or damage to equipment may result.

b. Apply service brake pedal and set transmission range selector to Neutral (N).

c. Set HYD ENABLE switch in ON position. Make sure MAIN HYD ENABLE indicator light comes on.

WARNING

WARNINGS

_ CHECK FOR OVERHEAD POWER LINES OR OTHER OBSTRUCTIONS BEFORE ATTEMPTING LHS OPERATION. IF LHS REACHES A HEIGHT OF 17 FEET, 2 INCHES (5.23 M) WITH ISO CONTAINER, SERIOUS INJURY OR DEATH TO PERSONNEL COULD RESULT FROM CONTACT WITH ELECTRICAL POWER LINES.

_ CHECK GROUND CONDITIONS FOR FIRMNESS AND EXTREME SIDEWAYS INCLINATION BEFORE PICKING UP OR OFF-LOADING A FLATRACK. ANY GROUND INSTABILITY BENEATH ROAD WHEELS COULD CAUSE SERIOUS INJURY OR DEATH TO PERSONNEL.

_ PRIOR TO AND DURING ANY LOAD OR UNLOAD CYCLE, ALL PERSONNEL SHOULD STAY CLEAR OF LHS AND FLATRACK OR SERIOUS INJURY OR DEATH TO PERSONNEL COULD RESULT.

NOTES:

LHS OVER LOAD indicator will come on when hook arm cylinders are fully extended and joystick is activated.

Loading and unloading times are controlled by engine speed. Engine speed can be increased to 1,500 to maximum rpm to reduce loading and unloading times.

d. Turn hydraulic selector switch to MAN H.A. position.

WARNING

Prior to and during any load or unload cycle, all personnel should stay clear of LHS, flatrack, front lift adapter, and container. Failure to comply may result in injury or death to personnel.

Check ground conditions for firmness and extreme sideways inclination prior to picking up or off-loading a flatrack or container. Any ground instability beneath road wheels may result in injury or death to personnel.

Check for overhead power lines or other obstructions prior to attempting LHS operation. LHS reaches a height of 22 ft. 2 in. (6.7 m). Failure to comply may result in injury or death to personnel.

e. Move joystick to UNLOAD position and hold.

Note: LHS OVER LOAD indicator will come on when hook arm cylinders are fully extended and joystick is activated. Loading and unloading times are controlled by engine speed. Engine speed can be increased to 1,500 to maximum rpm to reduce loading and unloading times.

CAUTION

CAUTIONS

Engine speed must be at idle before using hydraulic selector switch, or damage to equipment may result. To avoid equipment damage, ensure that main frame cylinders do not complete full extension while operating at engine speeds above idle.

Manual mode is used mainly in event of a failure of automatic control electrical system. Greater care must be exercised during operation of MANUAL mode for correct cycle of events to occur or damage to equipment may result.

If LHS had previously been used in manual mode and not completely stowed in AUTO mode, the hook arm cylinders must be completely extended or the LHS must be completely stowed using AUTO mode before the flatrack can be loaded. Failure to comply may result in damage to the truck and flatrack.

f. Release joystick.

CAUTION

Engine speed must be at idle before using hydraulic selector switch, or damage to equipment may result.

- To avoid equipment damage, ensure that main frame cylinders do not complete full extension while operating at engine speeds above idle.
- Manual mode is used mainly in event of a failure of automatic control electrical system. Greater care must be exercised during operation of MANUAL mode for correct cycle of events to occur, or damage to equipment may result.
- If LHS had previously been used in manual mode and not completely stowed in AUTO mode, the hook arm cylinders must be completely extended or the LHS must be completely stowed using AUTO mode before the flatrack can be loaded. Failure to comply may result in damage to equipment.

g. Turn hydraulic selector switch to MAN M.F. position.

h. Move joystick to UNLOAD position and hold until lift hook has moved below level of flatrack hook bar.

i. Apply service brake pedal and set transmission range selector to Reverse (R). Back up truck to flatrack/FRS, aligning truck and flatrack/FRS as straight as possible with lift hook to middle of hook bar.

j. Stop truck when lift hook touches flatrack/FRS.

k. Set transmission range selector to Neutral (N).

CAUTION

- Ensure PARKING BRAKE control is pushed in (released) during load sequence, or damage to equipment may result.
- Do not use R (reverse) to back up vehicle while hook arm is attached to flatrack, or damage to LHS will occur.

l. Move joystick to LOAD position to engage lift hook and hook bar.

Note: No additional equipment can be stowed on or in FRS during loading/unloading. Additional equipment could OVER LOAD LHS due to weight of FRS.

m. If lift hook fails to engage hook bar:

(1) Release joystick.

(2) Set transmission range selector to Drive (D), release service brake pedal (3), and move truck forward just clear of flatrack.

(3) Move joystick to UNLOAD position until lift hook is below level of hook bar.

(4) Repeat steps i through l.

n. Move joystick to LOAD position, allowing truck to be pulled under flatrack.

WARNING

Ensure trailer air system is pressurized prior to beginning transfer or flatrack locks may not properly engage/disengage. Failure to comply may result in injury or death to personnel.

CAUTION

Reduce engine speed to idle before flatrack main rails contact rear rollers. Damage to flatrack may result.

o. Before flatrack contacts rear rollers, reduce engine speed and apply service brake pedal.

Note: As load is lifted, vehicle will be pulled under the flatrack. Some steering adjustment may have to be made to ensure that flatrack runners will contact rear rollers.

p. Release joystick. Set hydraulic selector switch to MAN H.A. position.

q. Move joystick to LOAD position until flatrack/FRS is approximately 2 feet (0.61 m) off the ground.

r. Release joystick.

CAUTION

Engine speed must be at idle before using hydraulic selector switch, or damage to equipment may result.

s. Turn hydraulic selector switch to MAN M.F. position.

t. Move joystick to LOAD position after flatrack contacts rear rollers, increase engine speed from 1,500 to maximum rpm until main frame cylinders have nearly completed full retraction.

u. Reduce engine speed to idle and continue loading until main frame cylinders are fully retracted.

v. Release joystick.

Note: LHS OVER LOAD indicator will illuminate when main frame cylinders are fully retracted and joystick is activated.

CAUTION

- Engine speed must be at idle before using hydraulic selector switch, or damage to equipment may result.
- Main frame cylinders must be completely retracted prior to loading the hook arm.

w. Turn hydraulic selector switch to MAN H.A. position.

x. Move joystick to LOAD position and increase engine speed until flatrack is nearly loaded, then reduce speed to idle.

y. Continue to load until LHS and flatrack are in transit position. LHS NO TRANSIT indicator will go off.

z. Release joystick.

aa. Pull out PARKING BRAKE control.

ab. Make sure that load locks have engaged and flatrack/FRS is fully down on truck.

ac. Turn hydraulic selector switch to MAN TRANS position.

ad. Put HYD ENABLE switch in OFF position. Make sure MAIN HYD ENABLE indicator light goes off.

WARNING

Do not reduce tire pressure when loaded with FRS or container. Highway tire pressure, 60 psi (414 kPa) front and 83 psi (572 kPa) rear, is required at all times when loaded with FRS or container. Failure to comply may result in injury or death to personnel and damage to equipment.

Maximum side slope when loaded with an FRS or container is 30%. Failure to comply may result in injury or death to personnel and damage to equipment.

When loaded with FRS or container, the center of gravity is moved up and toward rear of vehicle. Use extreme care when turning and ascending or descending on a grade. Failure to comply may result in injury or death to personnel.

5. Unload a flatrack from truck tractor (HEMTT-LHS only).

a. Check for sufficient operating room at front and rear of truck. Check overhead clearance and ground conditions.

CAUTION

CAUTION

Manual mode is used mainly in event of a failure of automatic control electrical system and when unloading an FRS. Greater care must be exercised during operation of manual mode for correct cycle of events to occur or damage to equipment may result.

- b. Apply service brake pedal and set transmission range selector to Neutral (N).
- c. Put HYD ENABLE switch in ON position. Make sure MAIN HYD ENABLE indicator light comes on.

WARNING

WARNINGS

_ CHECK FOR OVERHEAD POWER LINES OR OTHER OBSTRUCTIONS BEFORE ATTEMPTING LHS OPERATION. IF LHS REACHES A HEIGHT OF 17 FEET, 2 INCHES (5.23 M) WITH ISO CONTAINER, SERIOUS INJURY OR DEATH TO PERSONNEL COULD RESULT FROM CONTACT WITH ELECTRICAL POWER LINES.

_ CHECK GROUND CONDITIONS FOR FIRMNESS AND EXTREME SIDEWAYS INCLINATION BEFORE PICKING UP OR OFF-LOADING A FLATRACK. ANY GROUND INSTABILITY BENEATH ROAD WHEELS COULD CAUSE SERIOUS INJURY OR DEATH TO PERSONNEL.

_ PRIOR TO AND DURING ANY LOAD OR UNLOAD CYCLE, ALL PERSONNEL SHOULD STAY CLEAR OF LHS AND FLATRACK OR SERIOUS INJURY OR DEATH TO PERSONNEL COULD RESULT.

CAUTIONS

Reduce speed to idle for approximately the first 18 inches (46 cm) of travel and again when flatrack is 2 feet (61 cm) above ground to prevent damage to cylinder.

To avoid equipment damage, ensure that hook arm cylinders do not complete full extension while operating at engine speeds above idle.

Ensure rail transport locking pins are disengaged before unloading flatrack. Rail transport locking pins are used for rail transport only. Failure to comply may result in damage to equipment.

NOTES:

LHS OVER LOAD indicator may come on when engine is at idle speed.

When unloading an FRS, engine speed must be at 1,500 rpm.

CAUTION

Reduce speed to idle for approximately the first 18 inches (46 cm) of travel and again when flatrack is 2 feet (61 cm) above ground to prevent damage to cylinder.

To avoid equipment damage, ensure that hook arm cylinders do not complete full extension while operating at engine speeds above idle.

Ensure rail transport locking pins are disengaged before unloading flatrack. Rail transport locking pins are used for rail transport only. Failure to comply may result in damage to equipment.

d. Turn hydraulic selector switch to MAN H.A. position.

Note: LHS OVER LOAD indicator may come on when engine is at idle speed.
When unloading an FRS, engine speed must be at 1,500 rpm.

WARNING

Prior to and during any load or unload cycle, all personnel should stay clear of LHS, flatrack, front lift adapter, and container. Failure to comply may result in injury or death to personnel.

Check ground conditions for firmness and extreme sideways inclination prior to picking up or off-loading a flatrack or container. Any ground instability beneath road wheels may result in injury or death to personnel.

Check for overhead power lines or other obstructions prior to attempting LHS operation. LHS reaches a height of 22 ft. 2 in. (6.7 m). Failure to comply may result in injury or death to personnel.

CAUTION

- Reduce speed to idle for approximately the first 18 in. (46 cm) of travel and again when flatrack is 2 ft. (61 cm) above ground to prevent damage to cylinder.
- To avoid equipment damage, insure that hook arm cylinders do not complete full extension while operating at engine speeds above idle.
- Ensure rail transport locking pins are disengaged before unloading flatrack. Rail transport locking pins are used for rail transport only. Failure to comply may result in damage to equipment.

e. Move joystick to UNLOAD position until hook arm cylinders have fully extended.
Maintain engine speed at idle for approximately the first 18 inches (46 cm) and last 6 inches (15 cm) of movement.

- Note: • LHS OVER LOAD indicator may come on when engine is at idle speed.
- When unloading an FRS, engine speed must be at 1500 RPM.

f. Release joystick.

g. Turn hydraulic selector switch to MAN M.F. position.

WARNING

WARNING

WHEN LOADING OR UNLOADING FLATRACKS/FRS ON UNEVEN GROUND (SIDE SLOPE OR DOWN GRADES UP TO 5 DEGREES), IT MAY BE NECESSARY TO APPLY TRUCK SERVICE BRAKES TO PREVENT TRUCK ROLLAWAY OR SEVERE INJURY OR DEATH TO PERSONNEL COULD RESULT.

h. Move joystick to UNLOAD position.

WARNING

When loading or unloading flatracks/FRS on uneven ground (side slope or downgrades up to 5 degrees), it may be necessary to apply vehicle service brakes to prevent vehicle rollaway. Failure to comply may result in injury or death to personnel.

i. When back edge of flatrack touches ground, release service brake pedal, allowing truck to be pushed straight from under flatrack.

Note: If flatrack is extremely light or empty, it may be necessary to set transmission range selector to D (driver) to allow vehicle to move out from under flatrack.

j. Continue off-loading until front of flatrack is within 8 inches of ground, decrease engine speed to idle and apply service brake pedal.

CAUTION

Once suspension has been relieved of flatrack load, do not continue in UNLOAD position or rear of vehicle could jack up with hook arm and equipment damage may result.

k. Continue off-loading until flatrack is on ground and rear suspension is unloaded.

l. Release joystick.

m. Set transmission range selector to D (drive) and release service brake pedal. Set transmission range selector to N (neutral).

n. Move joystick to LOAD position momentarily and then to UNLOAD position to let lift hook disengage from hook bar. Repeat step until lift hook disengages.

o. Move truck forward approximately 5 feet (1.5 m).

p. Stop truck and set transmission range selector to Neutral (N).

CAUTION

- To avoid equipment damage, visually check that main frame cylinders have completed full retraction.
- Reduce speed to idle in last 1 ft. (31 cm) of travel to prevent damage to cylinders.

q. Move joystick to LOAD position and hold in this position until main frame cylinders are fully retracted.

r. Turn hydraulic selector switch to MAN H.A. position.

s. Hold joystick in LOAD position until the hook arm cylinders are fully retracted.

WARNING

WARNING

NEVER DRIVE WITH LHS NO TRANSIT INDICATOR ILLUMINATED. AN ILLUMINATED INDICATOR MEANS LHS IS NOT FULLY STOWED. THE LOAD COULD BREAK LOOSE CAUSING SERIOUS INJURY OR DEATH TO PERSONNEL.

t. Release joystick.

WARNING

Never drive with LHS NO TRANSIT indicator illuminated. An illuminated indicator means LHS is not fully stowed. Failure to comply may result in injury or death to personnel.

CAUTION

Engine speed must be at idle before using hydraulic selector switch, or damage to equipment may result.

u. Turn hydraulic selector switch to MAN TRANS.

v. Put HYD ENABLE switch in OFF position. Make sure MAIN HYD ENABLE indicator light goes off.

(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 of task performance specifications. Provide a HEMTT-LHS or PLS Truck, flatrack, hearing protection, firm/level surface to operate.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Positioned PLS truck for loading/unloading operations.			
2. Loaded flatrack onto PLS truck.			
3. Unloaded flatrack from PLS truck.			
4. Loaded flatrack onto truck tractor (HEMTT-LHS).			
5. Unloaded flatrack from truck tractor (HEMTT-LHS).			
6. Shutdown engine.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	TC 21-305-20	Manual for the Wheeled Vehicle Operator {AFMAN 24-306(I)}	No	No
	TM 9-2320-345-10	OPERATORS MANUAL FOR TRUCK, LOAD HANDLING SYSTEM (LHS), W AND W/O WINCH, 8X8 M1120A4 (NSN 2320-01-534-1872)(EIC BG7) (THIS ITEM IS INCLUDED ON EM 0288)	No	No
	TM 9-2320-364-10	OPERATORS MANUAL FOR TRUCK, TRACTOR, M1074 AND M1075 PALLETIZED LOAD SYSTEM (PLS) (NSN 2320-01-304-2277) (2320-01-304-2278)	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. Make every effort to ensure no hazardous fluid spillage occurs by providing drip pans when vehicle is parked. Ensure operation of vehicle is approved driving areas free of environmental restrictions for such use.

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. Instructors must ensure that operators of tactical wheeled vehicles are trained IAW AR 600-55, AR 385-10 Chapter 11, vehicle training circulars (TC), and TC 21-305-20. When training on a specific vehicle the instruction will include all safety hazards and risks of operating or working with the vehicle.

Prerequisite Individual Tasks :

Task Number	Title	Proponent	Status
551-88M-1500	Operate the PLS/HEMTT-LHS Truck	551 - Transportation (Individual)	Reviewed
551-88M-1352	Perform Preventive Maintenance Checks	551 - Transportation (Individual)	Approved

Supporting Individual Tasks : None

Supported Individual Tasks : None

Supported Collective Tasks : None