

Summary Report for Individual Task
551-88H-1540
Operate RT 240 Rough Terrain Container Handler (RTCH) With a Load
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 Transportation School, 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 Handler in an operational environment during day or night, in normal weather conditions, given a requirement to operate the RT240 Rough Terrain Container Handler (RTCH) with a load, completed risk assessment, a RT240 RTCH, container, and references. This task should not be trained in MOPP 4.

Standard: Operate RT240 Rough Terrain Container Handler (RTCH) with a load without injury to personnel or damage to equipment in accordance with TM 10-3930-675-10.

Special Condition: None

Safety Risk: Low

MOPP 4: Never

Task Statements

Cue: You are assigned as a Cargo Specialist tasked with operating the RT 240 RTCH to load or download containers.

DANGER

Adhere to all DANGER statements listed in the equipment or 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 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 in the technical manuals and field manuals applicable to this procedure. Failure to comply may result in injury to personnel or damage to the equipment.

Remarks: None

Notes: None

Performance Steps

1. Perform initial adjustments, daily checks, and self test on the RTCH.
 - a. Place the master battery switch to ON.
 - b. Perform before operation preventive maintenance checks and services (PMCS).
 - c. Occupy and adjust the seat.
 - d. Close the cab door.
 - e. Adjust the position of the joysticks.
 - f. Adjust left and right exterior mirrors and interior mirrors (as required).
 - g. Adjust steering wheel and columns.
 - h. Fasten seat belt.

CAUTION

DO NOT operate the starter motor for more than 30 seconds at a time. After 30 seconds, allow starter motor to cool for at least two minutes before attempting to start engine again. Excessive heating of starter motor may result in damage or early starter failure.

2. Start engine.

Note: Refer to operator manual for location and operation of instrument panel indicators and controls.

Start the engine with throttle in the IDLE position. It is not necessary to press the throttle to start a computer-controlled engine.

- a. Ensure that parking brake is applied.
- b. Place transmission shift control lever to Neutral (N).

CAUTION

DO NOT operate the starter motor for more than 30 seconds at a time. After 30 seconds, allow starter motor to cool for at least two minutes before attempting to start engine again. Excessive heating of starter motor may result in damage or early starter failure.

- c. Ensure that all accessory switches and controls are in the OFF position.
 - d. Turn ignition switch to ON position. System warning lights will illuminate briefly and then go out.
 - e. If ambient temperature is below 32 degrees Fahrenheit (F) or 0 degrees Celsius (C), press the ether injector switch on the instrument panel.
- Note: Start the engine with throttle in the IDLE position. It is not necessary to press the throttle to start a computer-controlled engine.

- f. Turn ignition switch to START and allow the engine to start and run at idle speed.
- g. Increase the engine speed (RPM) slowly to provide adequate lubrication to the bearings and allow the oil pressure to stabilize.
- h. Run engine at idle speed for 3 to 5 minutes before operating with a load.
- i. Monitor fuel gauge and indicators for any signs of abnormal temperatures or pressures. Shut down engine at first sign of a problem.

WARNING

Never operate the RTCH or move the load near a power line or overhead wires. Failure to follow this warning may result in death or injury to personnel or damage to equipment.

- 3. Operate RTCH with a load.
 - a. Start engine and allow it to reach operating temperature.
 - b. Raise tophandler to drive position.
 - c. With engine at idle, apply service brakes.
 - d. Select steering mode of operation by first straightening wheels, then pressing the desired steering selection switch (see Figure 3-58, 3-59, 3-60).
 - e. Move transmission control lever to desired direction, Forward (F) or Reverse (R), and select gear range.
 - f. Release parking brake lever and depress accelerator pedal to control truck speed.
 - g. Engage oscillation and tilt locks before driving with a load.

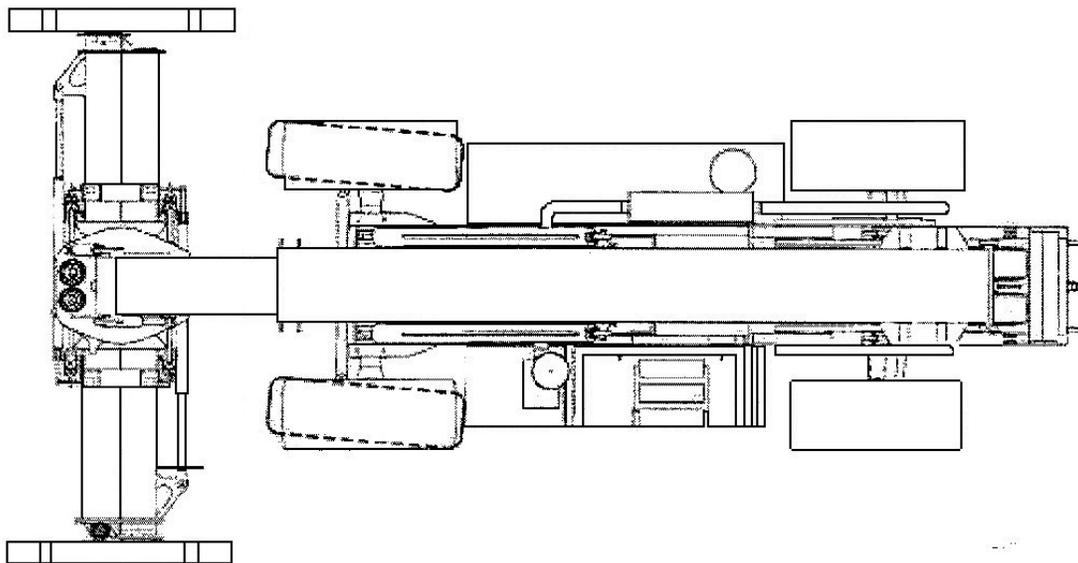


Figure 3-58
Two-Wheel Steering

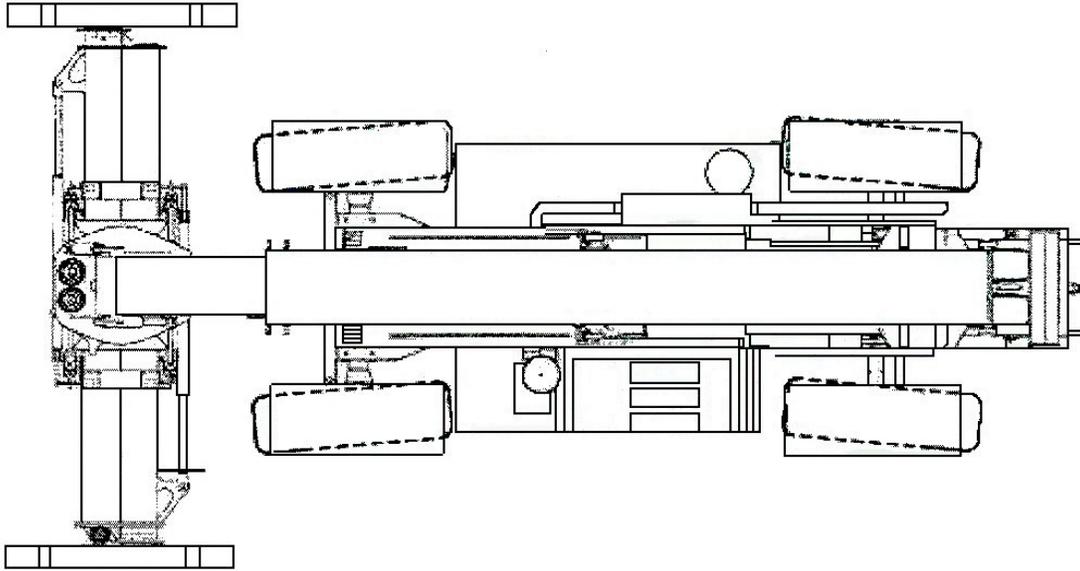


Figure 3-59
Four-Wheel Steering

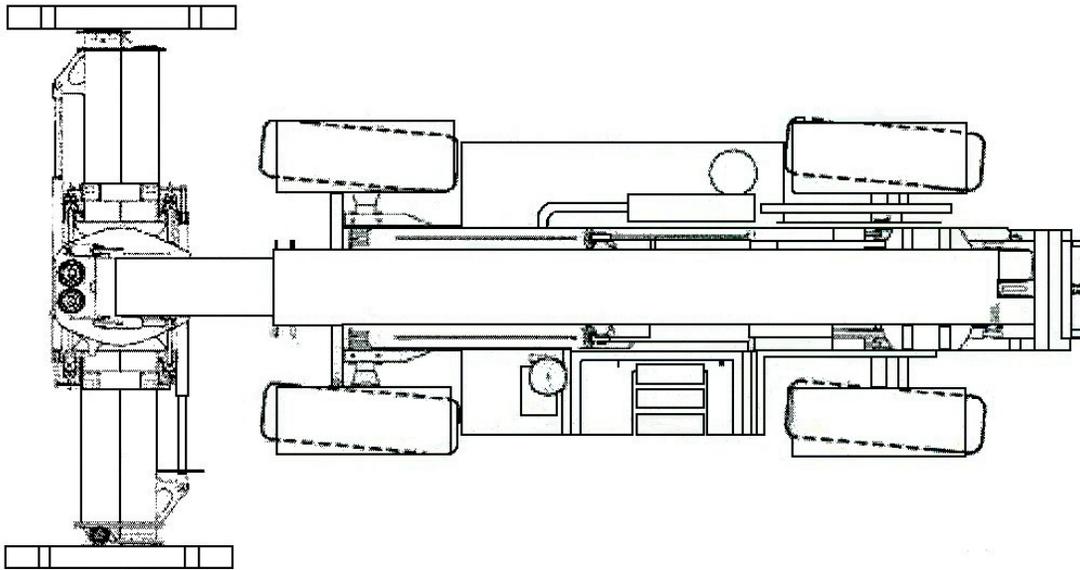


Figure 3-60
Crab Steering

4. Operate lifting boom and tophandler with a load.

Note: During lifting operation, DO NOT exceed the maximum lifting capability.

a. Adjust the tophandler spreader width 20 to 40 feet for the container to be lifted (see Figure 3-61).

b. Position the Rough Terrain Container Handler as close to the container as possible, and adjust the tophandler by rotating, sideshifting, or moving the boom as necessary.

c. Fully lower the tophandler while aligning the twistlocks with the container locking holes.

d. Check that the YELLOW alignment indicator light is on, and it indicates the twistlocks are engaged in the locking holes of the container.

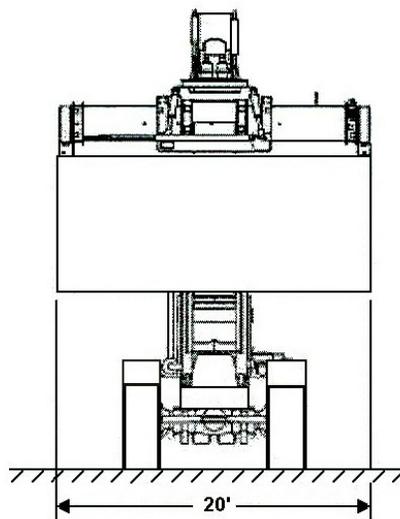
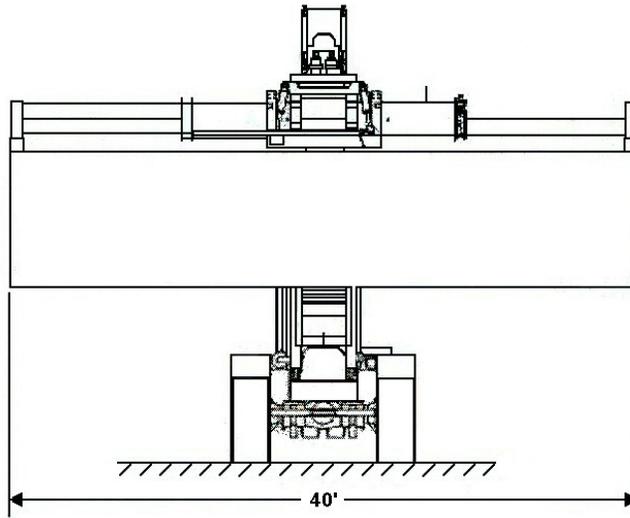


Figure 3-61
Adjusting the Tophandler Spreader

e. Lock the twistlocks and check that the GREEN lock indicator light is on.

Note: When twistlocks are locked, the GREEN indicator light on the steering column inside the cab and at the end of the boom will illuminate. Three IR lights at the end of the boom also illuminate when operating in blackout mode.

When twistlocks are unlocked, the RED indicator light on the steering column inside the cab and at the end of the boom will illuminate. A single IR light at the end of the boom also illuminates when operating in blackout mode.

Pressing the twistlock lock/unlock button and override switch at the same time will lock out or disable boom lifting and lowering operation; the twistlock indicator light will turn off. To reactivate the boom, momentarily press the twistlock lock/unlock button and override switch at the same time.

f. When load is lifted, the YELLOW alignment indicator light will go out.

g. Engage oscillation and tilt locks before driving with a load over rough terrain (see Figure 3-62).

(1) Press to engage lock to secure the load position.

(2) Press to release lock to allow the load to float.

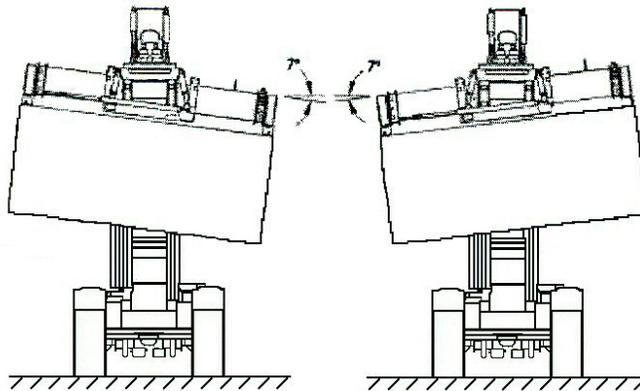
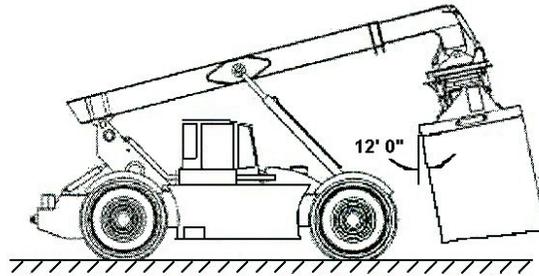
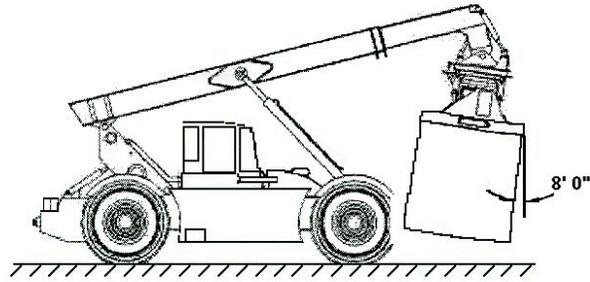


Figure 3-62
Engaging Oscillation and Tilt Locks

5. Shut down engine.
 - a. Apply the parking brakes.
 - b. Retract and fully lower the boom.
 - c. Place the transmission control lever in neutral (N).

CAUTION

Never turn the master battery switch to OFF when the engine is running. The voltage regulator may become damaged as a result.

- d. Allow the engine to run for $\frac{1}{2}$ to 1 minute.
- e. Stop the engine by turning the ignition switch to OFF position.

f. If the forklift will not be used for a long period, place master battery switch to OFF.

(Asterisks indicates a leader performance step.)

Evaluation Guidance: Score the Soldier GO if all performance steps are passed (P). Score the Soldier NO-GO if any performance 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 materials required to perform the task are available. Tell the Soldier that he/she will be evaluated on operating the RT 240 RTCH with a load.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Performed initial adjustments, daily checks, and self test on the RTCH.			
2. Started engine.			
3. Operated RTCH with a load.			
4. Operated lifting boom and tophandler with a load.			
5. Shut down engine.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	TC 4-13.17	Cargo Specialist's Handbook	No	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	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.

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 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-1527	Communicate with Hand and Arm Signals During MHE Operations	551 - Transportation (Individual)	Superseded
551-88H-1541	Operate RT 240 Rough Terrain Container Handler Under Unusual Conditions	551 - Transportation (Individual)	Approved
551-88H-1539	Operate RT 240 Rough Terrain Container Handler Without a Load	551 - Transportation (Individual)	Superseded
551-88H-1401	Perform Preventive Maintenance Checks and Services on Material Handling Equipment	551 - Transportation (Individual)	Superseded

Supported Individual Tasks :

Task Number	Title	Proponent	Status
551-88H-2609	Attach Forklift Kit to RT 240 Rough Terrain Container Handler	551 - Transportation (Individual)	Approved
551-88H-2608	Prepare RT240 Rough Terrain Container Handler for Air Movement	551 - Transportation (Individual)	Approved

Supported Collective Tasks : None

ICTL Data :

ICTL Title	Personnel Type	MOS Data
MOS 88H - CARGO SPECIALIST SL4	Enlisted	MOS: 88H, Skill Level: SL4, Duty Pos: TGI
MOS 88H - CARGO SPECIALIST SL3	Enlisted	MOS: 88H, Skill Level: SL3, Duty Pos: TBA