

Summary Report for Individual Task
551-88H-1541
Operate RT 240 Rough Terrain Container Handler (RTCH) Under Unusual Conditions
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 Container Handler in an operational environment, during day or night, in normal weather conditions, given a requirement to operate the RT 240 Rough Terrain Container Handler (RTCH) under unusual conditions, completed risk assessment, RT 240 RTCH, 20 and 40 ft containers, and references. This task should not be trained in MOPP 4.

Standard: Operate RT 240 Rough Terrain Container Handler (RTCH) under unusual conditions without injury to personnel or damage to equipment.

Special Condition: None

Safety Risk: Medium

MOPP 4: Never

Task Statements

Cue: You are assigned as a Container Handler tasked to operate the RTCH RT240 in unusual conditions such as, snow, ice, mud, or sandy conditions.

DANGER

Adhere to all DANGER 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 the 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 the equipment.

CAUTION

Adhere to all CAUTION 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 the equipment.

Remarks: None

Notes: None

Performance Steps

1. Perform initial adjustments, daily checks, and self test on RTCH.
 - a. Place the master battery switch to ON.
 - b. Perform before-operations 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.

WARNING

DO NOT operate arctic heater in a confined area. Always ensure there is adequate fresh air ventilation. Failure to follow this warning may cause death due to carbon monoxide poisoning.

CAUTION

Touching extremely cold metal surfaces with bare skin or spilling fuel onto skin in extreme cold can cause injury.

2. Operate RTCH forklift in extreme cold.

Note: Notify Field Maintenance to prepare vehicle for arctic operation.

Arctic heater is used to provide engine preheating for engine startup in extreme cold, in temperatures below -25F (-32C). When heater is required to preheat engine coolant and engine block BEFORE startup, it should be turned on 3/4 hour before engine is started.

Operating instructions for the arctic heater will be provided with the arctic heater installation kit.

- a. Start the RTCH vehicle.

(1) Start vehicle using cold weather starting procedure and allow engine time to reach operating temperature range.

(2) Check for tires that may be frozen to the ground.

(3) Drive very slowly for about 100 yards and if a problem is noted, notify organizational maintenance as required.

- b. Park the RTCH forklift.

(1) When parking the vehicle for a short time, park in a sheltered out of the wind and if shelter is not available, park vehicle so the right side where radiator located does not face the wind.

(2) Vehicle parked for a long shutdown period should be parked on high ground and use planks or brush to make a raised and relatively dry surface to keep tires out of snow, ice and mud.

(3) Clean snow, ice, and mud from vehicle as soon as possible after shutdown.

(4) When vehicle is parked for long period of time, have organizational maintenance remove and store batteries.

(5) Fill fuel tank to guard against condensation and drain any accumulated water from air reservoirs and fuel filters.

(6) Ensure tires are properly inflated.

3. Operate RTCH forklift in extreme heat.

Note: During very hot weather, driving procedures may require altering to prevent vehicle overheating. Avoid continuous high engine RPM and continuous operation in soft terrain.

a. Drive the RTCH forklift.

(1) Check water temperature display and stop if temperature is unusually high.

(2) Check cooling system, air cleaner, air cleaner restriction indicator, engine oil level, and radiator fins frequently.

(3) Notify organizational maintenance to shorten differential oil change interval.

b. Park the RTCH forklift.

(1) Park vehicle under shelter or cover if possible or cover with tarpaulin.

(2) Ensure all tires are inflated to proper pressure.

(3) Clean and lubricate vehicle to prevent deterioration.

4. Operate RTCH forklift in mud or soft surface.

a. Before entering mud or other soft surfaces, check conditions and select appropriate transmission gear range and use four-wheel drive as required. Enter soft area at a medium speed for gear range selected. Avoid oversteering.

b. Maintain steady pressure on accelerator pedal to keep vehicle rolling until solid ground is reached. DO NOT accelerate to point where tires spin.

c. If vehicle gets stuck, shovel a clear path ahead of each tire and try to pull out slowly in a low gear. Place boards, brush, or similar materials under tires to provide traction.

d. Maintain steady, even movement with transmission in lower gears. Use 4-wheel drive as required. Keep moving without straining engine or powertrain.

e. If these efforts fail and it becomes evident that vehicle will not free itself, notify Field Maintenance to arrange for another vehicle to tow out RTCH.

f. Notify organizational maintenance to clean and inspect propeller shaft for proper lubrication.

5. Operate RTCH forklift in sandy or dusty conditions.

Note: Notify Field Maintenance to service cab air filters more frequently. Service engine air cleaner when inlet restriction indicator, at air cleaner, shows red or 22 inches of vacuum.

- a. Service engine air cleaner and cab filter more frequently.
- b. Make sure each tire has a valve cap.
- c. Check engine and transmission temperature and oil pressure frequently.
- d. If engine overheats stop and find out why.
- e. Make sure engine and transmission filler tubes are cleaned before being removed to check fluid levels.
- f. Clean spouts of fuel container and areas around filler caps on fuel tanks before adding fuel.
- g. Cover window glass to protect against sand blasting.
- h. Notify organizational maintenance to clean, inspect, and lubricate propeller shaft more frequently.

6. Operate RTCH forklift on snow and ice.

a. Drive the RTCH forklift.

- (1) Accelerate slowly to avoid spinning tires.
- (2) Drive at slower speeds.
- (3) Give signals sooner.
- (4) Apply brakes sooner to give early warning of intention to stop.
- (5) Maintain double the normal distance from the vehicle ahead.
- (6) Keep windshields, windows, mirrors, and lights clean and free from snow and ice.

(7) If a difficult stretch of road approaches, stop and inspect it carefully before driving on it. Select transmission gear range that best suits road condition. Use 4-wheel drive as required.

b. Stop the RTCH forklift.

- (1) Ease up on accelerator, leaving vehicle in gear.
- (2) Apply service brakes lightly and even. DO NOT pump service brake pedal.
- (3) Always avoid sudden braking.

c. Park the RTCH in snow and ice.

- (1) Place boards, brush, or other materials under tires if parking on icy, slushy, wet, or muddy surfaces.
- (2) This will provide traction underneath tires and guard against tires freezing to the ground or becoming pocketed in the ice.

(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 under unusual conditions.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Performed initial adjustments, daily checks, and self test on RTCH.			
2. Operated RTCH forklift in extreme cold.			
3. Operated RTCH forklift in extreme heat.			
4. Operated RTCH forklift in mud or soft surface.			
5. Operated RTCH forklift in sandy or dusty conditions.			
6. Operated RTCH forklift on snow and ice.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	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	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.

AR 200-1 delineates TRADOC responsibilities to integrate environment 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 :

Task Number	Title	Proponent	Status
551-88H-1401	Perform Preventive Maintenance Checks and Services on Material Handling Equipment	551 - Transportation (Individual)	Approved

Supporting Individual Tasks : None

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 SL3	Enlisted	MOS: 88H, Skill Level: SL3, Duty Pos: TBA
MOS 88H - CARGO SPECIALIST SL4	Enlisted	MOS: 88H, Skill Level: SL4, Duty Pos: TGI