

**Report Date:** 25 Mar 2014

**Summary Report for Individual Task**  
**551-88H-2609**  
**Attach Forklift Kit to RT 240 Rough Terrain Container Handler**  
**Status: Approved**

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DISTRIBUTION RESTRICTION: Approved for public release; distribution is unlimited.

DESTRUCTION NOTICE: None

**Condition:** Assigned as a Senior Crane operator in an operational environment, during day or night, in normal weather conditions, given a completed risk assessment, an operation order/plan, safety briefing, a RT 240 Rough Terrain Container Handler (RTCH), forklift kit, and TM 10-3930-675-10. This task should not be trained in MOPP 4.

**Standard:** Attach forklift kit to the Rough Terrain Container Handler RTCH-RT240 without injury to personnel or damage to equipment.

**Special Condition:** None

**Safety Level:** Medium

**MOPP:** Never

<b>Task Statements</b>
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**Cue:** You are assigned as a Senior Crane Operator tasked with attaching the forklift kit onto the RT 240 Rough Terrain Container Handler.

**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. Conduct preventive maintenance checks and services (PMCS) before installing the forklift kit.
  - a. Ensure all retaining and locking pins are present and properly secured.
  - b. Inspect hydraulic hoses and quick disconnects for dirt, damage, and proper operation.
  - c. Check for damaged gages, switches, indicator, and warning lights.
  - d. Check for missing or damaged fire extinguisher.
  - e. Check gage for proper pressure reading.
  - f. Check for damaged or missing seal.
  - g. Check seat and seat belt for damage and proper operation.
  - h. Check steering wheel and column for damage and proper operation (tilt and height adjustments).
  - i. Start engine and verify that all indicator and warning lights operate properly on Electronic Control System (ECS) display screen.
  - j. Check air cleaner restriction indicator.
  - k. Check operating lights (brake lights, turn signals, and so on).
  - l. Perform a functional check of all lifting boom and tophandler operations.

2. Position tophandler directly over and level with forklift kit (see Figure 3-173).

Note: The forklift kit attaches to the tophandler twistlocks and hydraulic system. The forklift is attached with the kit in a folded configuration.

Note 2: The procedure requires two people: one person in the cab operating the joystick controls; one person installing/removing retaining pins, connecting the hydraulic quick disconnect hoses, and ground guiding the operator.

3. Lower tophandler onto forklift kit and secure with twistlocks.

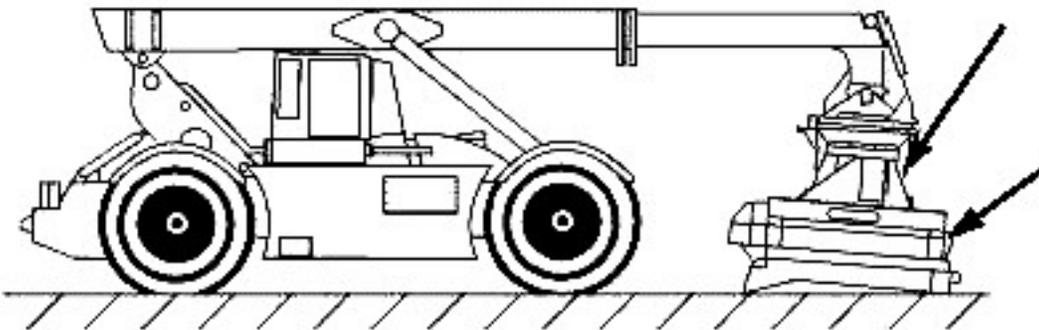


Figure 3-173  
Positioning Tophandler Over Forklift Kit

4. Release locking rings to disconnect two hydraulic hose quick disconnects, located on top left side of the tophandler and install protective caps on connectors (see Figure 3-174).

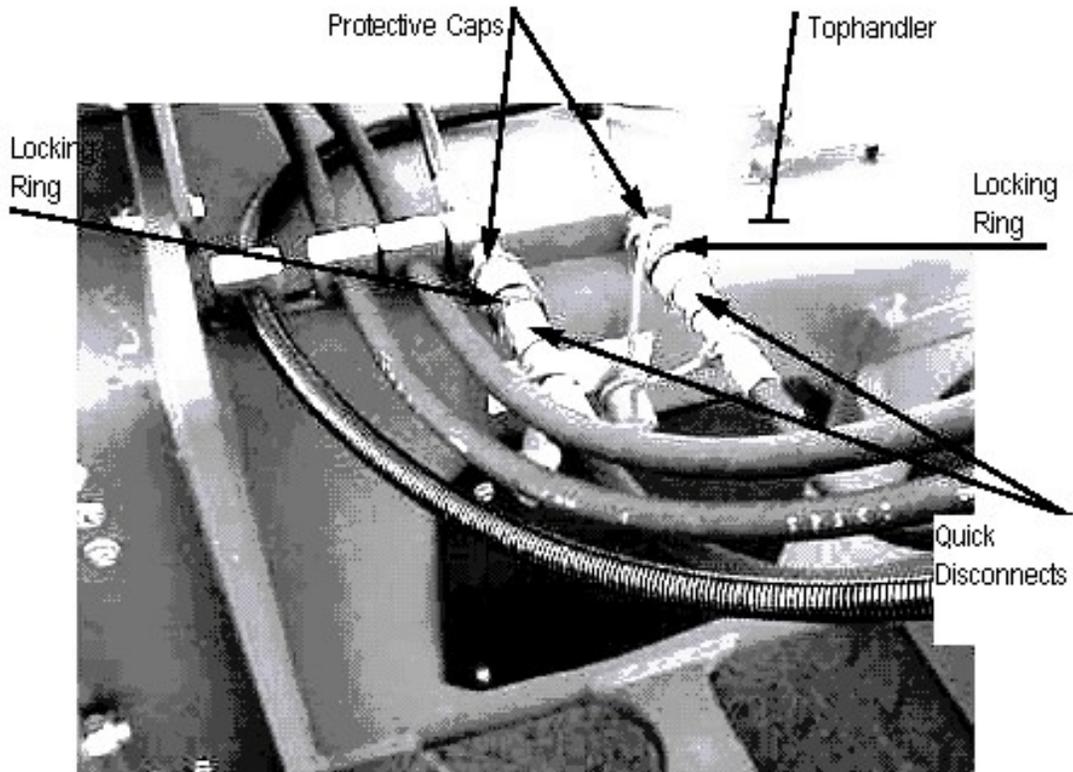


Figure 3-174  
Releasing Locking Rings

5. Remove protective caps from forklift kit hydraulic hose connectors and connect the two forklift kit hydraulic hose quick disconnects to the hydraulic hose quick disconnects that were disconnected from the tophandler (see Figure 3-175).

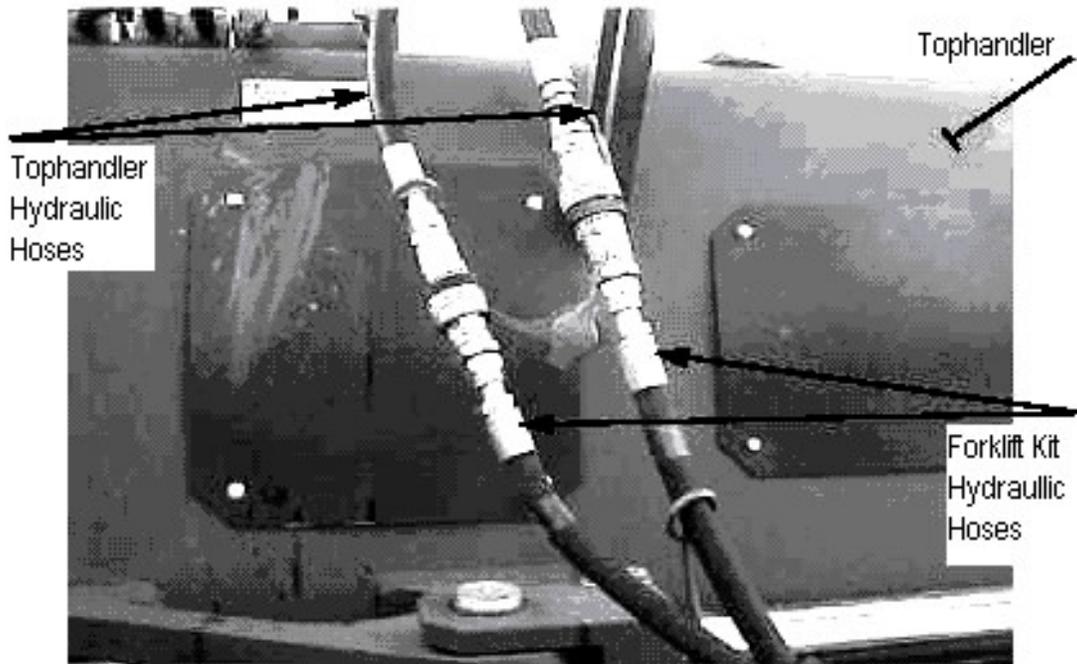


Figure 3-175  
Removing Protective Caps From Forklift Kit Hydraulic Hose Connectors

6. Remove two locking pins and retaining pins that secure upper fork arms to the top frame.

7. Stow retaining pins on forklift kit top frame.

8. Slowly tilt the tophandler/forklift kit to the full rearward position while raising the boom so the upper fork arms will unfold downward (see Figure 3-176).

Note: The following step requires a structure such as an ISO container or a loading dock to complete the unfolding of the lower forks.

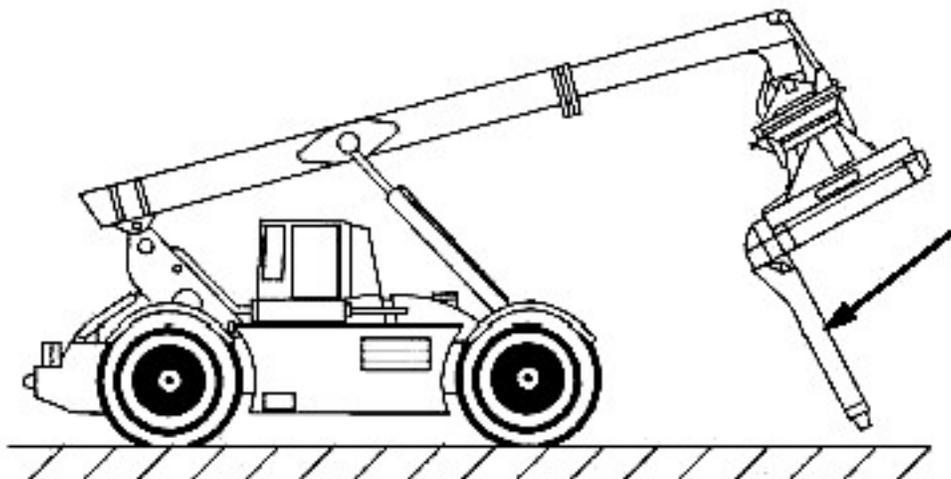


Figure 3-176  
Tilting Tophandler/Forklift Kit to the Full Rearward Position

9. Retract the boom and position the truck in front of an ISO container or loading dock (see Figure 3-177).

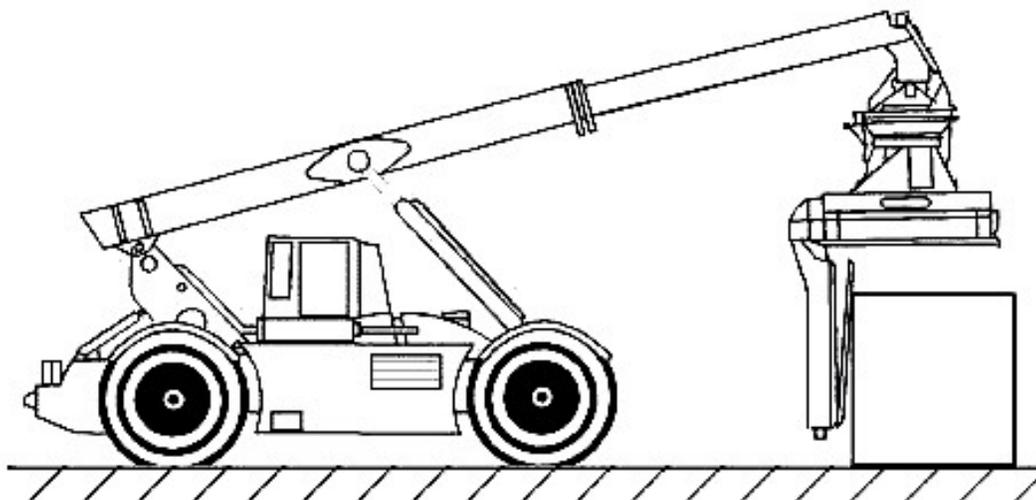


Figure 3-177  
Retracting the Boom

10. Remove two locking pins and retaining pins that secure forks to upper fork arms.

11. Raise the boom until the forks are even with sides of the container or vertical wall of the loading dock.

12. Extend the boom until the forks are close to the vertical surface.

13. Place transmission in Neutral (N).

14. Retract the boom and level the forklift kit using the joystick tilt control.

Note: Retaining pins should be installed from the outside.

15. Slowly tilt the tophandler/forklift kit forward, then raise the boom so the RTCH will move rearward and the forks will fold out to the horizontal position.

16. Install retaining pins and locking pins to secure forks to upper fork arms (see Figure 3-178).

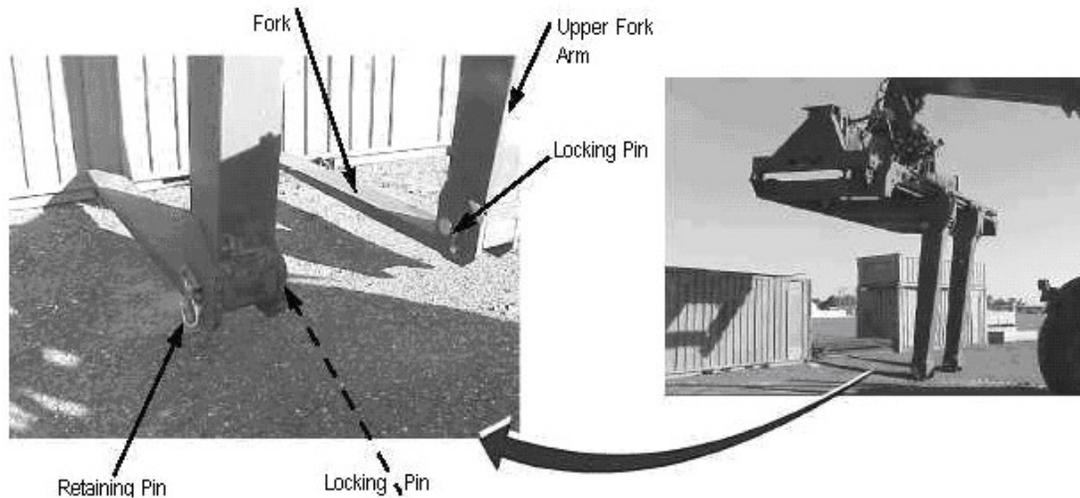


Figure 3-178  
Installing Retaining Pins and Locking Pins

(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 attaching a forklift kit to the RT240 Rough Terrain Container Handler.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Conducted PMCS before installing the forklift kit.			
2. Positioned tophandler directly over and level with forklift kit.			
3. Lowered tophandler onto forklift kit and secured with twistlocks.			
4. Released locking rings to disconnect two hydraulic hose quick disconnects, located on top left side of the tophandler, and installed protective caps on connectors.			
5. Removed protective caps from forklift kit hydraulic hose connectors and connected the two forklift kit hydraulic hose quick disconnects to the hydraulic hose quick disconnects that were disconnected from the tophandler.			
6. Removed two locking pins and retaining pins that secured upper fork arms to the top frame.			
7. Stowed retaining pins on forklift kit top frame.			
8. Slowly tilted the tophandler/forklift kit to the full rearward position while raising the boom so the upper fork arms unfolded downward.			
9. Retracted the boom and positioned the truck in front of an ISO container or loading dock.			
10. Removed two locking pins and retaining pins that secured forks to upper fork arms.			
11. Raised the boom until the forks were even with sides of the container or vertical wall of the loading dock.			
12. Extended the boom until the forks were close to the vertical surface.			
13. Placed transmission in Neutral (N).			
14. Retracted the boom and leveled the forklift kit using the joystick tilt control.			
15. Slowly tilted the tophandler/forklift kit forward, then raised the boom so the RTCH moved rearward and the forks folded out to the horizontal position.			
16. Installed retaining pins and locking pins to secure forks to upper fork arms.			

**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	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 Soldiers and leaders must maintain a proactive posture towards safety in day-to-day operations. The need for total commitment to safety should be evident to commanders, senior Soldiers, and their subordinates. Safety awareness is most effective at three levels: command, leader, and individual. Observe all Warnings and Cautions and remain aware of the following:

- Hearing protection requirements.
- Wearing of safety clothing.

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-1401	Perform Preventive Maintenance Checks and Services on Material Handling Equipment	551 - Transportation (Individual)	Analysis Completed
551-88H-2608	Prepare RT240 Rough Terrain Container Handler for Air Movement	551 - Transportation (Individual)	Approved
551-88H-1541	Created from Template from 551-88H-1541	551 - Transportation (Individual)	Analysis
551-88H-1539	Created from Template from 551-88H-1539	551 - Transportation (Individual)	Analysis
551-88H-1540	Created from Template from 551-88H-1540	551 - Transportation (Individual)	Analysis

**Supported Individual Tasks :** None

**Supported Collective Tasks :** None