

Summary Report for Individual Task  
551-88H-1533  
Operate the 4,000-lb Rough Terrain Forklift  
Status: Approved

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**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 Forklift Operator given a requirement to operate the 4,000-lb rough terrain forklift in an operational environment, day or night, in normal weather conditions, a completed risk assessment, safety briefing, safety clothing, hearing protection, a 4,000-lb capacity rough terrain forklift, Army Model MHE 237, cargo, and references. This task should not be trained in MOPP 4.

**Standard:** Operate 4,000-lb rough terrain forklift without injury to personnel or damage to equipment.

**Special Condition:** None

**Safety Risk:** Medium

**MOPP 4:** Never

<b>Task Statements</b>
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**Cue:** You are assigned as a Forklift Operator tasked to operate a 4,000-lb capacity rough terrain forklift.

**DANGER**

None

**WARNING**

All personnel will wear a hearing protection device when operating this vehicle.

Before starting engine, check and be sure that STEERING BYPASS value is closed (fully clockwise) and that shipping lock pin has been removed. Failure to do so will cause loss of steering control which may result in serious injury or death and damage to equipment. Be sure your seat belt is fastened before starting engine.

Starter fluid is toxic and highly flammable. Do not discharge starter fluid in confined areas or near open flame.

**CAUTION**

Do not operate starter motor for more than 30 seconds. Wait at least 3 minutes before cranking to allow batteries to recuperate and starter motor to cool.

If there is no oil pressure indication on OIL PRESS gage within 10 to 15 seconds and if oil pressure lamp is lit, turn engine off and check for a cause. If the alternator indicator is lit, turn engine off and check for a cause.

**Remarks:** None

**Notes:** When operating on soft sand at slow speed (not exceeding 10 MPH), tire inflation pressure may be decreased to 30 pounds per square inch (PSI) for improved traction.

When operating in excess of 10 MPH or on hard surface terrain or roads, standard tire inflation pressure of 45 (PSI) should be maintained.



## Performance Steps

### 1. Start the engine.

- a. Remove shipping lock pin and shipping lock pin from chassis, install KLIK lock pin and store shipping lock pin under operator's seat.
- b. Mount forklift truck and sit in operator's seat.
- c. If necessary, adjust seat by moving lever to rear to release seat for adjustment and move seat forward or backward and fasten seat belt.
- d. Pull parking brake lever towards you to activate parking brake.
- e. Place transmission DIRECTION SELECTOR in NEUTRAL (N) position.
- f. Insert key into ignition switch; turn key to first position clockwise (ON position).
- g. Depress accelerator pedal  $\frac{1}{3}$  to  $\frac{1}{2}$  from normal position.
- h. Depress START pushbutton switch.
- i. If temperature is below 40 degrees F, using a quick start aid, remove clip and engage starter while pressing quick start lever and hold lever for one or two seconds.
- j. When engine starts, release START pushbutton switch immediately, reinstall clip in quick start aid, and check OIL PRESS gage for proper indication.
- k. Check control panel indicators and operate engine at  $\frac{1}{3}$  throttle to allow proper engine and hydraulic fluid warm up.

### 2. Operate the forklift.

- a. Operate LIFT control lever and raise forks no less than 12 inches from ground.
- b. Place main switch lever on VEHICLE LIGHTS switch in STOP LIGHT position.
- c. Depress Brake pedal and release parking brake lever.
- d. Move transmission direction selector to desired position.
- e. Move transmission speed selector to desired speed range.
- f. Release brake pedal and depress accelerator pedal as required to move forklift truck and accelerate to desired speed.

### 3. Operate the forklift to pickup and deposit a load.

- a. Adjust forks by lifting end of fork to disengage locking lug from notch in support.
- b. Slide fork to desired position and then lower fork until lug is engaged in desired notch.
- c. Pick up the load by operating the TILT control lever to position mast in a vertical position.

- d. Operate LIFT control lever to position forks to desired height.
- e. Center forklift truck on load and move truck forward slowly to move forks under load.
- f. Pull LIFT control lever towards you until load is raised to desired height.
- g. Use ROTATE control lever to level forks with angle of load.
- h. Use SHIFT control lever to center forks on load.
- i. Pull TILT control lever slowly towards you and tilt load towards truck to avoid load possibly slipping forward off the forks.
- j. When load reaches a safe degree of tilt, release the TILT control lever.
- k. Transport load a minimum of 12 inches from the ground and tilted back slightly.
- l. Operate at a safe speed for type of load and terrain.
- m. Deposit load.
  - (1) Push TILT control lever away from you to move mast to a vertical position.
  - (2) Move LIFT control lever away from you to lower load until load rests on ground.
  - (3) Back forklift truck away from load; back-up alarm will sound when transmission direction selector is placed in reverse (R) position.
  - (4) If load is to be deposited at a higher level than transport level or for stacking, move mast into vertical position and raise load to necessary height before moving load into position for lowering.

#### 4. Stop the forklift.

- a. Depress brake pedal to stop forklift.
- b. Place transmission direction selector in NEUTRAL (N) position.
- c. Set parking brake by pulling parking brake lever towards you.
- d. Lower forks to ground by operating LIFT control lever.
- e. Before stopping engine, allow engine to run at idle speed with no load for four or five minutes.
- f. Turn key in ignition switch to OFF position to shut off engine.

(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 4,000-lb rough terrain forklift.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Started the engine.			
2. Operated the forklift.			
3. Operated the forklift to pickup and deposit a load.			
4. Stopped the forklift.			

**Supporting Reference(s):**

Step Number	Reference ID	Reference Name	Required	Primary
	TM 10-3930-638-10	OPERATORS MANUAL FOR TRUCK, FORKLIFT, DED, PNEUMATIC TIRE, ARTICULATED FRAME STEER, 4,000 LB CAPACITY ROUGH TERRAIN, ARMY MODEL MHE 237 (J.I. CASE MODEL M4K) (NSN 3930-01-076-4237) (REPRINTED W/BASIC INC	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. 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 :**

<b>Task Number</b>	<b>Title</b>	<b>Proponent</b>	<b>Status</b>
551-88H-1527	Communicate with Hand and Arm Signals During MHE Operations	551 - Transportation (Individual)	Approved

**Supported Individual Tasks :**

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

**Supported Collective Tasks :**

<b>Task Number</b>	<b>Title</b>	<b>Proponent</b>	<b>Status</b>
55-2-1406	Conduct Cargo Operations to Discharge and Load Breakbulk Cargo	55 - Transportation (Collective)	Approved

**ICTL Data :**

<b>ICTL Title</b>	<b>Personnel Type</b>	<b>MOS Data</b>
MOS 88H - CARGO SPECIALIST SL4	Enlisted	MOS: 88H, Skill Level: SL4, Duty Pos: TGI
MOS 88H - CARGO SPECIALIST SL2	Enlisted	MOS: 88H, Skill Level: SL2, Duty Pos: ABW
MOS 88H - CARGO SPECIALIST SL1	Enlisted	MOS: 88H, Skill Level: SL1, Duty Pos: TAZ
MOS 88H - CARGO SPECIALIST SL3	Enlisted	MOS: 88H, Skill Level: SL3, Duty Pos: TBA