



# Operation and Safety Manual



# VR1245

## Tier 4 F

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**Warning**



Wear appropriate protective clothing. Personal protective equipment can include, but is not limited to hardhat, gloves, footwear, safety glasses or goggles, and hearing protection. Make sure clothing is snug and properly belted. **DO NOT** wear loose clothing, jewelry, watches, or anything that can catch on forklift controls, moving parts, etc. Failure to wear the proper protective clothing could result in death or serious injury.

**Before Starting Forklift**

**Warning**



Keep the Operation and Safety Manual on the forklift at all times. Contact Xtreme Manufacturing for replacement manuals.



Clearly define responsibilities and procedures for operating the forklift and all attachments. **DO NOT** proceed until you seek expert assistance from a qualified person if any doubt or question arises about the correct or safe methods for operating the forklift.



To avoid death or serious injury, carefully read and understand all instructions before operating the forklift. **DO NOT** operate, modify, repair, or maintain the forklift unless you read and understand the instructions and warnings in this and all other applicable manuals and technical publications. Follow all State and Federal health and safety laws and/or local regulations.



Consult Material Safety Data Sheets (MSDS) for chemical hazards and first aid instructions. MSDS should be available from the manufacturer or supplier of the fluid.

**Warning**



Perform a pre-operation inspection and functional tests at the beginning of each work shift. Perform the pre-operation inspection first. **DO NOT** perform the pre-operation inspection with the engine running or hot. Contact with moving or heated parts could cause death or serious injury.



Perform the pre-operation inspection and functional tests in an open area and away from any other obstacles or equipment. Inspections and functional tests may require assistance. Keep the assistant visible and a safe distance from the forklift to prevent death or serious injury.



Become familiar with all safety and hazard labels, regulations, and procedures. Make sure all proper safety and hazard labels are attached to the forklift and remain legible.



A brief description of controls, indicators, and instruments is provided as a convenience for the operator. These descriptions **DO NOT** provide complete operation instructions. Read and understand the entire manual to prevent death, serious injury, or equipment damage.



Keep fingers and feet away from moving parts or pinch points to prevent pinching or crushing. **DO NOT** allow anyone between the tires and the forklift frame while operating the forklift. Doing so can result in death or serious injury.



Always check the condition of the seat belt and mounting hardware before operating the forklift. If the seat belt or mounting hardware is defective, it may not properly restrain the operator, resulting in death or serious injury.

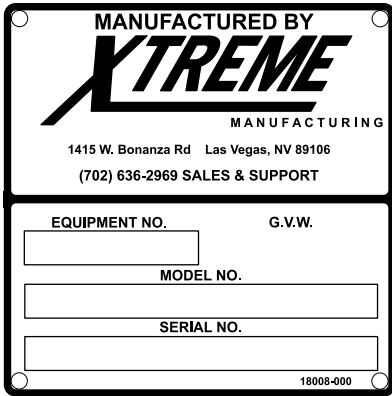
- **DO NOT** operate the forklift until the seat belt or mounting hardware is replaced, if worn or damaged.
- The seat belt **MUST** be worn while operating the forklift. Failure to wear the seat belt could result in death or serious injury.

**Replacement Labels**

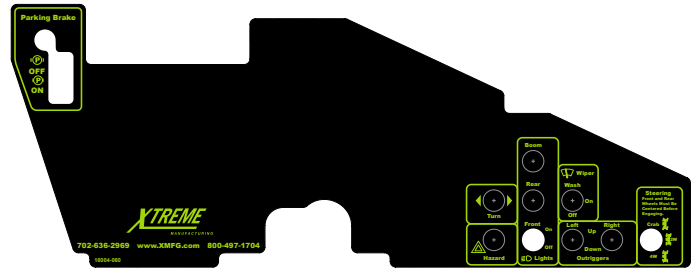
Replacement labels can be obtained by contacting Xtreme Manufacturing directly at (702) 636-2969.

From outside Las Vegas, Nev., call Xtreme Manufacturing toll free at (800) 497-1704.

Please have the correct label number available when you call.



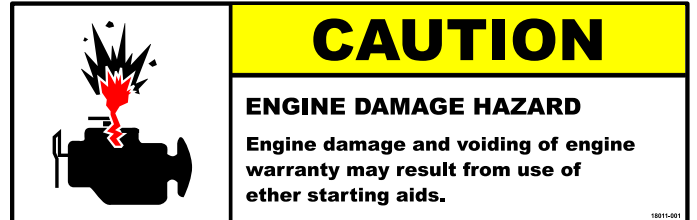
1) 18008-000



2) 18004-060



3) 18010-001



4) 18011-001



5) 18013-002



6) 18014-002



**Steering Select Switch**

**Warning**

DO NOT change steering modes until the forklift slows or comes to a complete stop. Align all four (4) wheels perpendicular to the axle, before changing steering mode. Changing steering modes at higher travel speeds can make the forklift unstable, and cause a loss of control, which could result in death, serious injury, or property damage.

The Steering Select switch has three (3) steering positions: Crab, Two Wheel Steering (2W), and Four Wheel Steering (4W).



Figure 40. Steering Select and 2-Wheel Rear Switches

**Outrigger Control**

The outrigger toggle switches are used to lower and raise the outriggers. The outrigger indicators (P) and (R) illuminate when the outriggers are fully extended and on the ground (Figure 29).



Figure 41. Outrigger Toggle Switches



Figure 42. Steering Select and 2-Wheel Rear Switches

Once outriggers are fully extended, the transmission is disengaged, and the frame sway is locked. Frame sway lock can be overridden with the frame sway override switch.



Figure 43. Steering Select and 2-Wheel Rear Switches

**Before Starting Forklift**

**Warning**

Failure to use proper safety procedures when mounting and dismounting the forklift could result in death or serious injury.

- Keep steps clear of dirt, mud, snow, ice, debris, and other hazards.



Face the forklift for mounting or dismounting. Use hand holds and steps to maintain three (3) points of contact at all times, either both hands and one foot or both feet and one hand.

- DO NOT use the controls, steering wheel, or foot pedals as hand holds or steps. Avoid accidentally engaging or disengaging a control.



DO NOT jump from the forklift. Clothing can get caught on pedals, levers, or other protruding parts. Landing on uneven surfaces could result in death or serious personal injury.

1. Master battery disconnect on.
2. Use safe mounting/dismounting procedures to enter the operator cab.
3. Adjust the operator seat for position and comfort. (Refer to Seat Adjustment section in this manual)
4. Adjust mirrors (this may require assistance).
5. Adjust the side console control panel.
6. Fasten seat belt.
7. Make sure the travel select lever is set to NEUTRAL (N) and the Parking Brake is ON (engaged).

**NOTE:** The engine will only start when the travel select lever is in NEUTRAL (N) and the Parking Brake switch is ON (engaged).

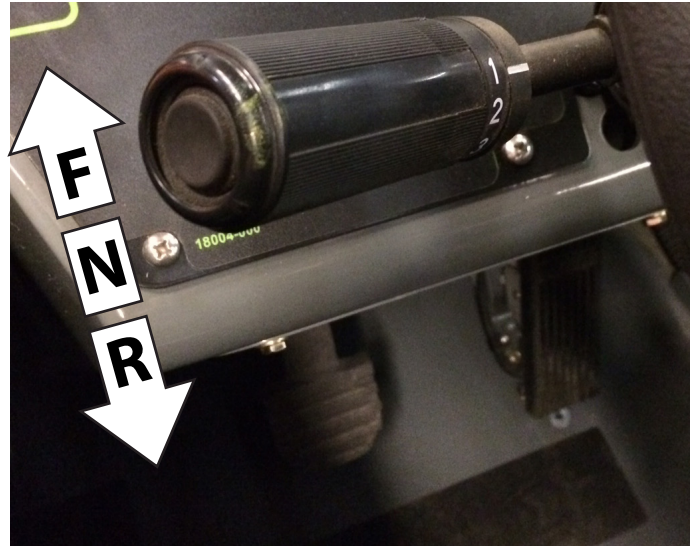


Figure 62. Travel Select Lever Must Be in NEUTRAL (N) to Start the Forklift

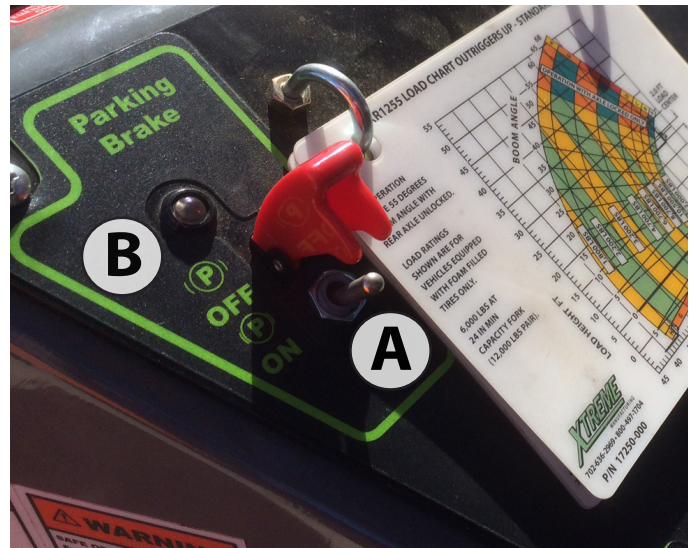


Figure 63. Parking Brake Switch (A) Must Be ON (Engaged) to Start the Forklift.

The Parking Brake switch (A) has two (2) positions: ON and OFF.

9. Connect the quick attach couplers (this only applies to attachments with a quick attach hydraulic system).

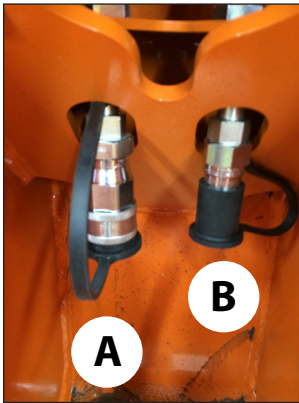


Figure 77. Quick Attach Couplers For Hydraulic Systems. (A) Female Coupler. (B) Male Coupler.

**Attachment Removal**

**NOTE:** To remove a standard carriage with forks, spread the forks apart on the carriage shaft. This provides adequate support for the carriage to stand alone.

1. Bring the forklift to a complete stop.
2. Move the travel select lever to NEUTRAL (N).
3. Set the parking brake switch to ON (engaged).
4. Extend the boom approximately 18 to 20 inches .
5. With attachment 10 to 12 inches off of the ground, tilt the attachment backward.
6. Disconnect the quick attach couplers (this only applies to attachments with a quick attach hydraulic system).

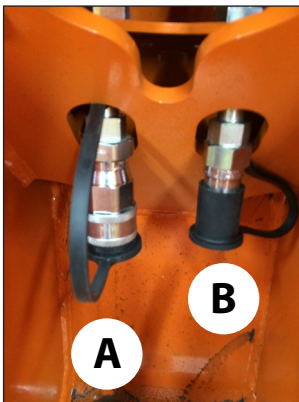


Figure 78. Quick Attach Couplers For Hydraulic Systems. (A) Female Coupler. (B) Male Coupler.

7. Raise the quick attach lock lever.



Figure 79. Quick Attach Lock Lever

8. Pull out the quick attach pin at the bottom of the quick attach adapter.



Figure 80. Pull Quick Attach Pin from Attachment and Quick Attach Adapter.

9. Lower the attachment to the ground in a level position.



Figure 81. Lower Attachment to Ground in Level Position

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