



BT Prime-Mover

# MX-80

## ● Operator's Manuals

301650-000 1992\_February

301650-000 1993\_October



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## OPERATING PRACTICES



### WHEN A POWERED INDUSTRIAL TRUCK IS TO BE LEFT UNATTENDED

- A. Stop truck.
  - B. Lower load-engaging means to the floor.
  - C. Place directional controls in neutral.
  - D. Apply the brake.
  - E. Turn key switch to **OFF** and disconnect battery connectors.
  - F. Block wheels if truck is on a slight incline.
8. Maintain a safe distance from the edge of docks and platforms when operating powered industrial trucks. **DO NOT** use powered industrial trucks while on any elevated dock or platform to move freight cars.
  9. **ELEVATING PERSONNEL:** This truck was not designed for elevating personnel. Refer to ANSI B56.1 for elevating personnel requirements.
  10. Care shall be taken that overhead installations such as lights, pipes, sprinkler systems, etc. are not contacted.
  11. A load backrest extension shall be used when necessary to guard against the load, or part of it, falling toward the operator.



### WHEN A POWERED INDUSTRIAL TRUCK IS TRAVELING:

1. Observe all traffic regulations including authorized plant speed limits. Under normal traffic conditions, keep to the right. Maintain a safe distance, based on speed of travel, from the truck ahead, and keep the truck under control at all times.
2. Yield right of way to pedestrians, ambulances, fire trucks or other vehicles in emergency situations.

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## CONTROLS AND EQUIPMENT



### RAISE SWITCH

The lift (raising forks) is controlled by pushing down on the raise bar. The forks will continue to raise as long as the bar is depressed or until the lift stops are reached. Releasing the bar will automatically stop the lift.



### LOWER SWITCH

The lower (lowering forks) is controlled by pushing down on the lower bar. The forks will continue to lower as long as the bar is depressed or until the lowering stops are reached. Releasing the bar will automatically stop the lowering.



### HORN SWITCH

The horn bar is activated by pushing down on the horn located on top of the steering control handle.

### REVERSER SWITCH

The end of the control handle is provided with a red automatic reversing switch which causes the truck to travel in the rearward (FORK) direction when activated. Its function is to prevent the operator from being pinched between the handle and obstruction when traveling in the forward direction.

### DIRECTION AND SPEED

The truck is available with either a thumb butterfly or twist grip speed and direction control. Rotating either control in the forward or rearward direction will select the direction of travel. The truck speed will progressively increase as the control is rotated. Reversing the control can be used to quickly decrease or brake the truck.

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# OPERATION

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Before operating, be sure the BEFORE OPERATION INSPECTION is done and that you are familiar with the controls.


 **WARNING** Before operating and attempting to operate unit review warnings and controls section of this manual. Know how to stop unit before operating.

1. Connect the battery, if not connected.
2. Remove blocks from drive wheel.
3. Remember that pushing down on the steering control handle will release the brake, and this should be avoided until ready to move unit.
4. Turn the key to the "**ON**" position.
5. Put your hands on the steering handle and press down (not all the way). This will release the brake and make power available to the drive motor.
6. Turn steering handle until steering is in the desired direction of travel.
7. Look in all directions to make sure that your path to travel is clear.
8. Put a firm grip on the steering control handle and slowly move the thumb or twist grip controls in the direction you want to travel.  
  
To **STOP TRAVEL**. Return direction control to "**NEUTRAL**" position and raise or lower (all the way) to apply the brake.
9. This unit is equipped with a plugging feature (direction reversal) which means that you need not brake to a complete stop to change directions. Use the direction/speed control handle to change direction.

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## OPERATION


### STOPPING UNIT

1. Twist direction control grip to the "**NEUTRAL**" position.
2. Raise steering control handle fully to stop unit's movement.
3. Push down on lower control button to lower forks to floor.
4. Turn key switch to "**OFF**" position and remove key,
5. Make sure that all motion has stopped and remove key.

### FIRST TIME OPERATION

 **WARNING** Be sure that the area being used for test running is clear of spectators and obstructions. Operate unit with empty forks.

Smoothest and most efficient unit operation is achieved while being operated at half speed to full speed. Only attempt full speed after familiarizing yourself with steering and directional controls.

 **WARNING** Operation of full speed should only be attempted after complete familiarity with all operations. **ALWAYS** exercise caution and good judgement while running this equipment.

**NOTE:** To prolong component life, avoid "jackrabbit" starts, stops, and forceful steering control movements.

If the battery was disconnected and removed, first turn key switch to the **OFF** position. Reinstall battery and reconnect battery connector to unit.

### BRAKING - STOPPING MOTION


When the direction control lever is moved to "**NEUTRAL**" position, all **POWERED** movement is stopped. To stop all movement, gradually and deliberately move steering control handle to one of two positions, fully raised or fully lowered.

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