



BT Prime-Mover

# MX-65/RX-65

## ● Operator's Manuals

301387-000 1991\_July

301387-001 1993\_August

Special for Carter Machinery 1994\_July



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## OPERATING PRACTICES

### OPERATOR TRAINING



An effective operator training program should center around user company's policies, operating conditions and trucks. The program should be presented completely to all new operators and not condensed for those claiming previous experience.

### OPERATOR RESPONSIBILITY

Powered industrial truck operators shall abide by the following rules and practices.

1. Avoid loose clothing, particularly cuffs and scarves.
2. Know what safety equipment is required on this truck and use it. A hard hat, safety glasses, reflector-type vest, respirators, and ear plugs are some of the types of equipment you may need.
3. **DO NOT** rush.
4. Know the hand signals used on this job and who has responsibility for signaling.
5. Safeguard the pedestrians at all times. **DO NOT** drive a truck up to anyone standing in front of a bench or other fixed object.
6. **PASSENGERS MUST NOT** be permitted to ride.
7. When operator is away from truck, the load-engaging means shall be fully lowered, controls neutralized and brake set to prevent movement.

### MOUNTING AND DISMOUNTING

- A. Walk - **DO NOT** run.
- B. Never leave the truck unattended with the key **ON**.
- C. Always lower or secure all equipment before leaving unit.
- D. Apply brake and park in a clear, authorized area before leaving truck.

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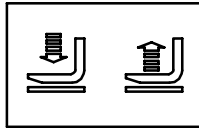
## DATA PLATE AND DECALS

### DECALS ON HANDRAIL

#### RAISE/LOWER DECAL

This decal is located in the **RAISE/LOWER** rocker switch on the handrail.

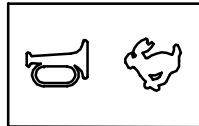
This decal is used to help you to remember just where the **RAISE/LOWER** switches are located.



#### HORN AND THIRD SPEED DECAL

This decal is located in the **HORN** and **THIRD** speed rocker switch on the handrail.

This decal is used to help you to remember just where the **HORN** and **THIRD** speed switch are located.



### WARNING DECALS

Clean or replace all safety and instruction decals that cannot be read.

When you clean decals, use only a cloth, soap and water. **DO NOT** use solvent, gasoline, etc.

You must replace a decal if the decal is damaged, missing, or cannot be read.

If a decal is on a part that is replaced, make sure you install a new decal on the new part. See your BT Prime-Mover dealer for new decals. New warning decals can be obtained from your **BT PRIME-MOVER DEALER** at **NO** charge.

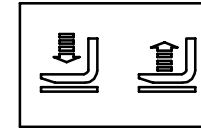
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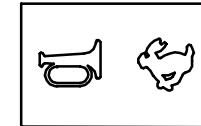
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## BEFORE OPERATION INSPECTION

19. To **RAISE** forks, push down on the raise control bar with your thumb. The forks will continue to raise as long as the bar is depressed or until the lifting stops are reached. Releasing the bar will automatically stop the raising.

The raise bar is physically located on top of the steering control handle for fast operation when needed.

20. To **LOWER** forks, push down on the lower control bar with your thumb. 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.

The lower bar is physically located on top of the steering control handle for fast operation when needed.

21. Both lifting and lowering of forks should be a smooth movement.
22. Turn key switch to **OFF** position and remove, and place in a designated area.
23. **DO NOT** forget to block drive wheel to prevent accidental roll.
24. **BEFORE** leaving unit, make a final check to be sure the unit is properly parked and can be left safely in this location.
25. If the unit is to be left in a parked position for an extended period, disconnect the battery, put chocks at drive wheel, and remove key.
26. Make sure **OPERATOR'S instruction manual** is returned to the case and storage box.

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## SPECIFICATIONS AND LUBRICATIONS

|  |  |
|--|--|
| AMP Hours Battery Pack                       | Consult nameplate on unit  |
| Oil Capacity in Transmission                 | .8 Quart [.75 l]<br>or to bottom of the fluid fill hole in the transmission. |
| Fluid Type                                   | Dexron II  |
| Oil capacity in Hydraulic Reservoir<br>Fluid | 1 Quart<br>SAE 10W40 SG<br>(cold storage) Dexron II                          |
| Drive Motor Diameter                         | 7.25" (184 mm)   |
| Grease Type                                  | Tex. Ref. C and C #880   |

**NOTE:** Dexron II that meets or exceeds Allison C-3 or Caterpillar T0-2 specifications.

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## INTRODUCTION

The operator should read this manual thoroughly so that the important facts about this unit and the contents of the manual are known. The safety of the operator and the reliability and performance of this unit will be determined by the knowledge of the contents of this manual.

Each section of this manual is clearly identified and is divided into smaller sections. The **TABLE OF CONTENTS** can be used to find the information that is needed.

The model number and serial number for this unit are stamped on the data plate, see the section called "**DATA PLATE AND DECALS**" for location and description of plate.



**WARNING** Some figures may show door(s), guard(s), or shield(s) opened/removed. **BE SURE** that all door(s), guard(s), or shield(s) are in their position **BEFORE** machine is operated.

### **TO NEW BT PRIME-MOVER OWNERS:**

Our Company would like to take this opportunity to thank you for joining (or rejoining) the increasingly large community of companies and individuals finding profit in the use of BT PRIME-MOVER equipment.

The BT PRIME-MOVER unit which you have just purchased was carefully designed and manufactured to ensure minimum cost, maximum reliability, and easy service. Extensive testing and high standards of quality control assure that these standards are maintained.

To keep your BT PRIME-MOVER unit in good condition the periodic maintenance and lubrication must be followed.

BT PRIME-MOVER units are also backed by a network of dealers who were chosen for their experience and reliability. They will assist you in keeping your BT PRIME-MOVER unit in peak operating condition.

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**READ AND OBSERVE ALL** warnings **BEFORE** operating this truck.

**KEEP ALL GUARDS,** shields and decals in place and properly secured.

**REST** forks in the down position when **NOT** in use.

Check battery away **FROM** open flames and potential sparks.

**ALWAYS** park truck on a level floor (ground).

**DO NOT ATTEMPT** to clean, adjust, lubricate or service the unit when parts are moving.

**DO NOT "HOT ROD"** when starting, stopping, turning, or reversing truck direction.

**OPERATION** of the truck at full speed should only be attempted **AFTER** complete familiarization with all operations.

**ALWAYS** exercise caution and good judgment while running this unit.

**ALWAYS** observe pedestrian's right-of-way.

**DO NOT** operate this truck unless you are trained and authorized. Read and understand operator's manual before operating this lift truck. BT Prime-Mover dealers have replacement manuals.

**DO NOT** operate a damaged or faulty truck. **DO NOT** attempt repairs unless you are trained and authorized.

**LOOK** where you drive. **WATCH OUT** for people, obstructions (especially overhead), and drop-offs.

**DO NOT** operate on slopes.



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## CONTROLS AND EQUIPMENT

### RIDER HANDRAIL



#### RAISE SWITCH

Raising of the forks is controlled by pushing down on either the switch on steering control handle or the switch on handrail. The forks will continue to raise as long as the switch is depressed or until the lifting stops are reached. Releasing switch will automatically stop the raising.

**WITH THE RIDER CONTROLS**, the switch is a rocker type and it is located with the lower switch in the handrail over the battery compartment. The switch is physically located in the middle and to the left (as seen from top of steering control handle) of the handrail.



#### LOWER SWITCH

Lowering of forks is controlled by pushing down on either the switch on steering control handle or the switch on handrail. The forks will continue to lower as long as switch is depressed or until the lowering stops are reached. Releasing switch will automatically stop the lowering.

**WITH THE RIDER CONTROLS**, the lower switch is a rocker type and it is located with the raise switch in the handrail over the battery compartment. The switch is physically located on the far left (as seen from top of steering control handle) side of the handrail.

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## LOAD OPERATIONS

There are certain hazards that cannot be avoided solely by mechanical means in the everyday use of material handling trucks. Only the intelligence, good sense and care of the operator, along with proper maintenance will assure that the unit is operated properly. It is important to have trained, reliable personnel operating your unit. If, at any time the operator finds that the unit is not performing properly, operation should be discontinued and condition be reported to the operator's supervisor for correction.

Move and transport materials that have been properly and evenly loaded in as low a position as possible. Travel in a direction of maximum visibility.

This information does not include all possible conditions you can find. The purpose of this information is to give you the basic information you need to operate the unit.

If you are a new operator learning about this unit, operate in a clear area at slow speed.

### SAFETY WHEN YOU WORK

Be a careful operator, you can prevent accidents.

Read the following information:



Before you operate the unit, check steering control, brake, instruments, and equipment hydraulic controls. If you know there is a malfunction, a missing part, or a part that needs adjustment, stop unit immediately and correct problem. Continued operation during these conditions can cause an accident or injury.

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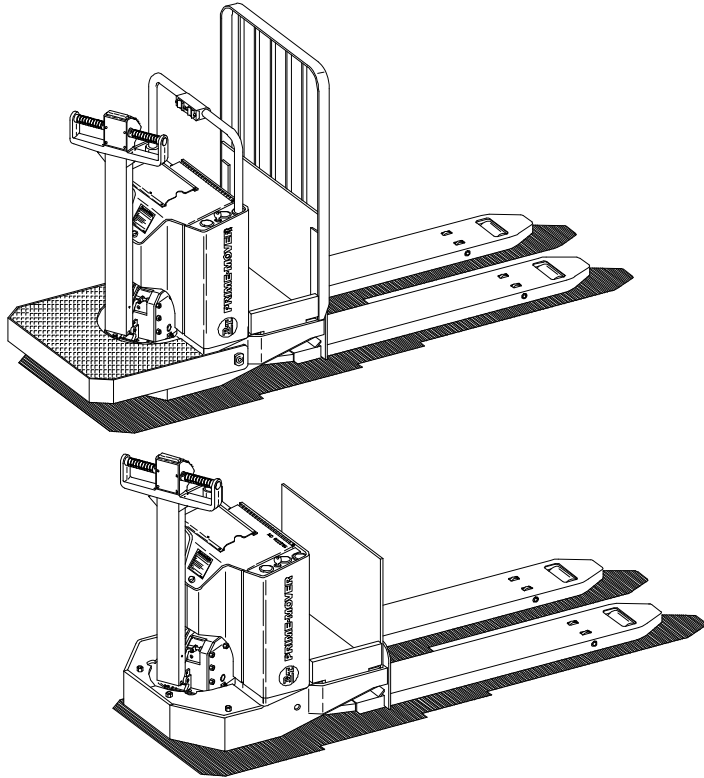


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# OPERATOR'S MANUAL

Manual Part Number **SPECIAL**  
MX/RX 65 ELECTRIC PALLET TRUCK

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The operator must read and understand this manual before operating this truck.

**⚠ WARNING** Keep this **OPERATOR'S MANUAL** with unit at all times in the place provided.

**⚠ WARNING** **DO NOT** operate this equipment unless all factory installed guards and shields are properly secured in place.

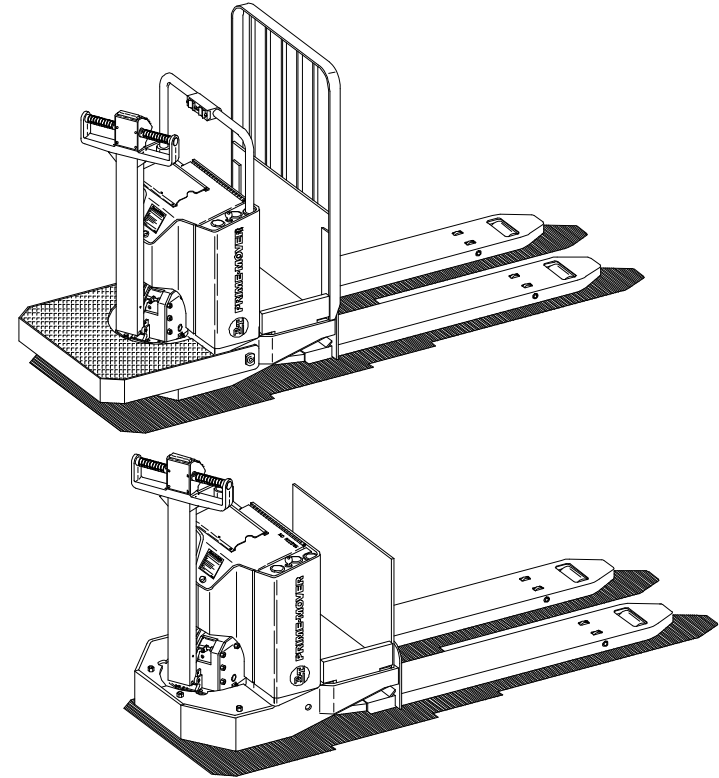
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## OPERATING PRACTICES



### 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.
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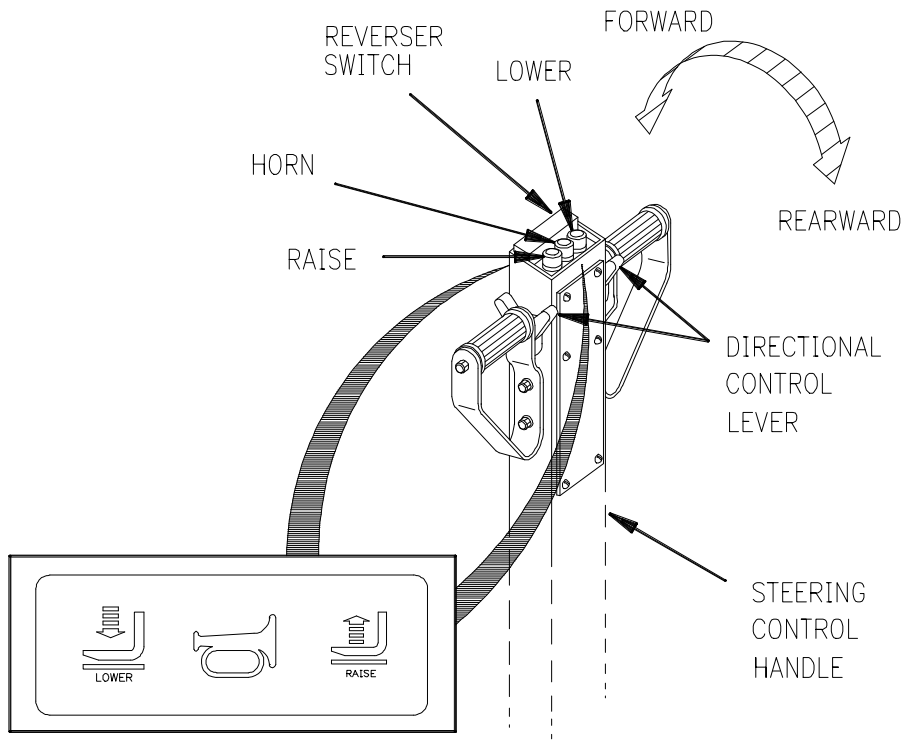
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Decals are also provided to warn of potential danger as well as to display special operating procedures.

**WARNING** Read and observe all warnings on this unit before operating it.

## THE CONTROL HANDLE

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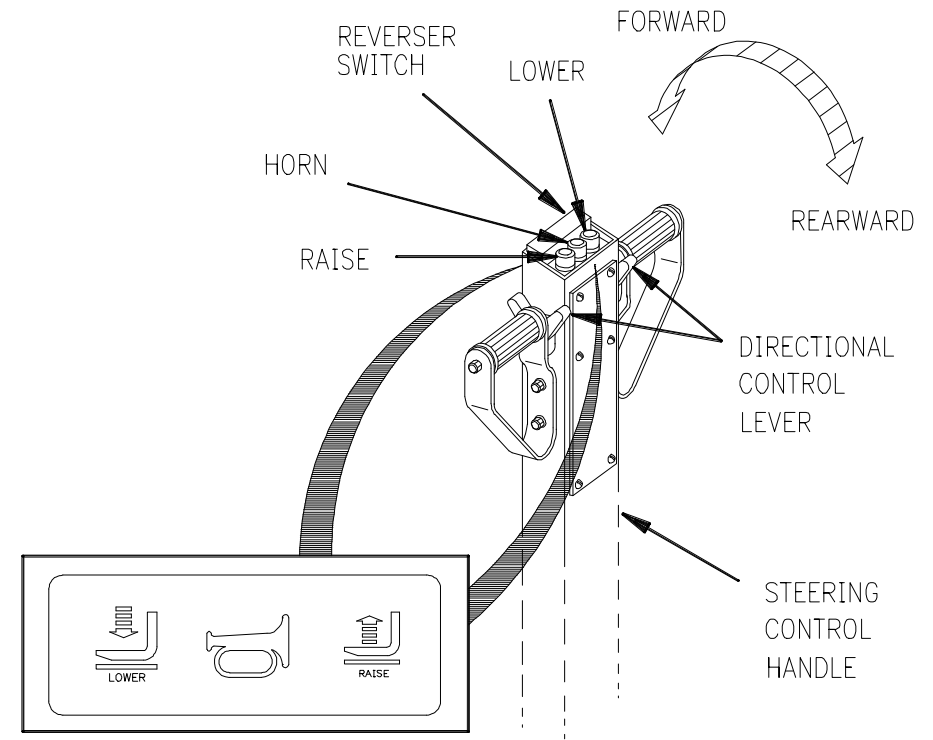
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