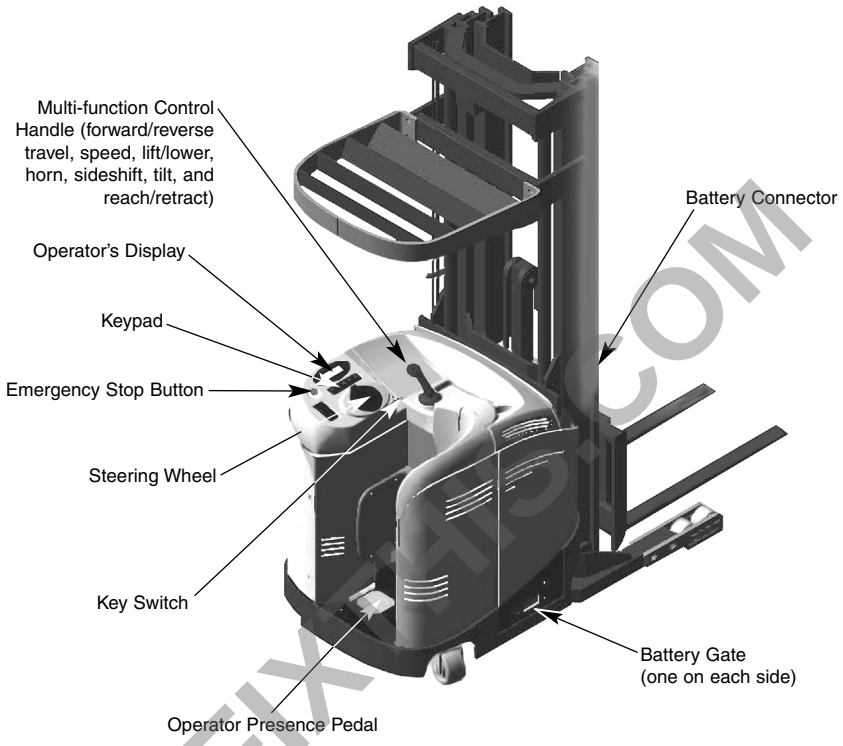
Know Your Reach Truck

◆ Controls and Indicators

The operator's compartment utilizes controls that permit side stance and a standard open rear design. The side stance permits the operator to turn around and face the direction of travel whether traveling forward or reverse. The compartment also allows the operator to shift body weight and position to maintain maximum comfort. The open rear design minimizes operator fatigue by making it easy to get on and off the reach truck. It also allows for the quickest exit from the reach truck—an important safety feature should the reach truck begin to tip or fall from an elevated height such as a loading dock or ramp.

Location of some of the controls in the operator's compartment are shown in the diagram on this page. For their individual functions, see the following pages.

36 Volt Truck shown



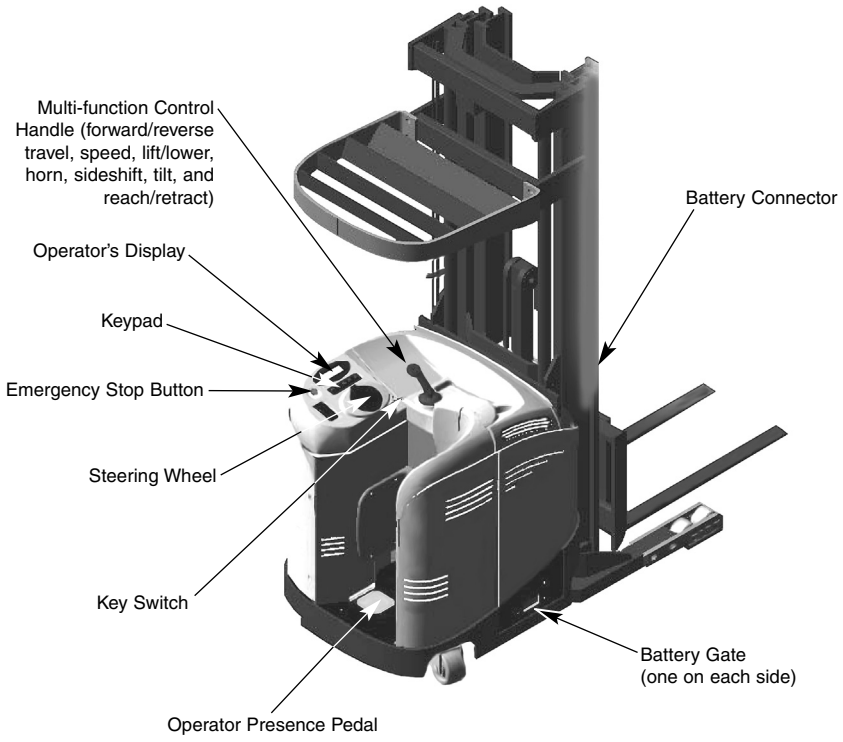
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Maintenance

◆ Prestart Inspection

⚠ WARNING



Fill out a pre-start inspection sheet. Remember, a complete and thorough pre-start inspection is the best insurance against personal injury and property damage.

◆ Service Intervals

• Every 10 Service Hours or Daily (Pre-Start), Whichever Comes First

Item	Service	Page
Damage or Faulty Operation Found the Day Before	Check	63
Battery	Check	63
Battery Connector	Check	63
Battery Gates & Restraints	Check	63
Battery Doors (Optional) & Restraints	Check	63
Operator Presence Pedal (Brakes)	Check	63
Mast	Check	63
Lift Chains	Check	63
Forks	Check	63
Function Controls	Check	64
Horn	Check	64
Hydraulic connections	Check	64
Lights (If Equipped)	Check	64
Switches	Check	64
Load Wheels, Drive Tires	Check	64
Static Strap	Check	64
Overhead Guard	Check	64
Loose Components and Hardware	Check	64
Decals and Warning Labels	Check	64
Fire Extinguisher (Optional)	Check	64
Ventilation Slots	Check	64

• Every 50 Service Hours or Weekly, Whichever Comes First

Item	Service	Page
Battery	Clean	65
Cables/Hoses/Tension Springs	Check	65
Lift Chains	Inspect	65
Forks	Inspect	65
Hydraulic Fluid Levels	Check	65

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Operation

◆ New Reach Truck Break-In

Correct break–in is important for operation and long life of the reach truck.

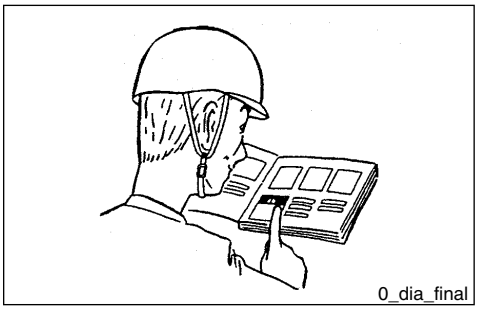
The first 170 hours of operation is the break–in period for your truck.

Read these recommended procedures:

⚠ CAUTION

1. **If the truck cannot be put to work immediately, or the operation is light and slow, break in the truck under a simulated working condition.**
2. **Change oils and relubricate at shorter intervals than the normal recommended intervals.**
3. **Hydraulic tank return line filter should be replaced after the first fifty (50) hours of operation and at the recommended intervals thereafter.**
4. **Carefully check on and around the truck for loose bolts and nuts. Retighten them.**

◆ Before Starting Operations



⚠ WARNING

BE SURE to perform daily PRE-START INSPECTION.

⚠ WARNING

BE SURE TO READ the SAFETY RULES FOR REACH TRUCK OPERATORS for your safety and the safety of fellow workers.

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Operation

◆ New Reach Truck Break-In

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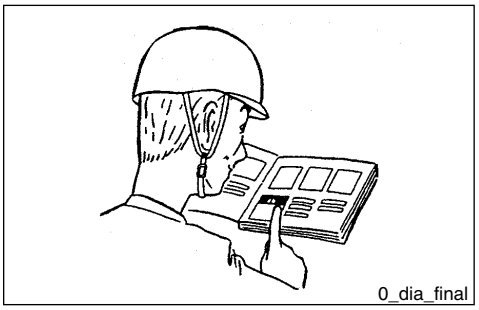
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◆ Before Starting Operations



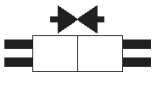
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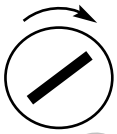
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Control	Operator Action	Reach Truck Response
Battery Connector		Vehicle is ready for operation

Function
The Battery disconnect provides a mechanical joint to connect or disconnect from the battery.

Activation
To connect battery, align mating connector halves and push together. To disconnect battery, pull connector halves apart.

Control	Operator Action	Reach Truck Response
Key Switch (OFF) O (ON) I	(OFF) 0 (ON) I 	SELFTEST–Then truck is ready for operation

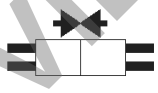
Function
The key switch turns electrical power to control circuits on or off.

Activation
To turn power on, rotate key to the right. To turn power off, rotate key to the left. In an emergency, press the Power Off Button.

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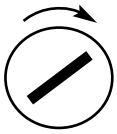
Know Your Reach Truck

◆ **Controls and Indicators**

Control	Operator Action	Reach Truck Response
Battery Connector		Vehicle is ready for operation

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The Battery disconnect provides a mechanical joint to connect or disconnect from the battery.

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To connect battery, align mating connector halves and push together. To disconnect battery, pull connector halves apart.

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Maintenance

◆ **Service Intervals**

• One Month After Delivery of New Reach Truck

Item	Service	Page
*Battery	Check Specific Gravity	65
Bolts, Nuts	Retighten	65

** Not required if battery type is a maintenance free battery.*

• Every 500 Service Hours or 3 Months, Whichever Comes First

Item	Service	Page
Casters (2 places)	Lubricate	65
Contactor Tips	Check	65
Drive Unit	Check Fluid Level	65
Mast	Lubricate	65
Lift Chains	Inspect/Adjust	—
Load Wheels (4 places) (1 Per Wheel)	Lubricate	65
Radial Gear on Drive Unit (2 places)	Lubricate	65
Pantograph—Single Reach (14 places)	Lubricate	65
Pantograph—Double Reach (16 places)	Lubricate	65
Hydraulic Reservoir	Check Fluid Level	65
Mast Bolts	Check Torque	65
Overhead Guard Mount	Check Torque	65
Motor Mounts	Check Torque	65

• Every 1000 Service Hours or 6 Months, Whichever Comes First

Item	Service	Page
Lift Chains	Check Specific Gravity	66
Hydraulic Reservoir	Change Filter	66

• Every 2000 Service Hours or 12 Months, Whichever Comes First

Item	Service	Page
Lift Chains	Adjust	66
Drive Unit	Change Fluid	66
Hydraulic Reservoir	Change Filter & Fluid	66

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Maintenance

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• One Month After Delivery of New Reach Truck

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Item	Service	Page
Lift Chains	Adjust	66
Drive Unit	Change Fluid	66
Hydraulic Reservoir	Change Filter & Fluid	66

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Operation

◆ Before Moving the Reach Truck

Before operating your reach truck, make sure you read and understand all warnings, including the following:

⚠ WARNING

1. **Operate this reach truck slowly and in an open area until you are thoroughly familiar with all the controls.**
2. **Operate this reach truck only from the designated operating position. Never place any part of your body between the mast upright or outside the operator's compartment while operating this reach truck. (The operator's compartment is that space in which the operator stands to operate the reach truck.)**
3. **Avoid sudden stops or changes in direction which could cause the vehicle to tip or the load to shift.**

Start-Up Procedure

1. Make sure both battery gates are in place
2. Makes sure battery cannot move more than 1/2 inch (13mm) in any horizontal direction.
3. Connect battery to truck.
4. Step into operator's compartment. Do not place foot on operator presence pedal.
5. Make sure forks are lowered completely.
6. Make sure battery is charged.
7. Check the operation of the EPO button as follows:
   a. Pull the EPO button OUT while twisting it clockwise.
   b. Turn the key switch clockwise to ON.
   c. Push the EPO button IN. This should completely shut down the reach truck. You should not be able to drive the reach truck, lift the the forks, tilt the carriage, etc.
   d. Pull the EPO button back out.
8. Turn the key switch clockwise to the ON position. SelfTest will start and readings will be shown on the display for a short time.

SelfTest can be identified by the contactor cycling (clicking), and a brief horn test (this is a normal condition). If faults are found during SelfTest, a fault message is shown on the operator's display. An alarm is indicated on the operator's display. Do not operate the truck until the problem is corrected.

9. Depress the operator presence pedal with one foot.
10. Use one hand to steer the truck and the other to control travel and auxiliary functions.

Note: The truck can be driven either forks first or tractor first. If your are not sure which way the truck will move, slowly move the control handle forward or reverse to determine which way the truck is moving.

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Safety Rules for Reach Truck Operators

◆ General

The safety rules and regulations in this section are representative of some, but not all rules and regulations that apply to reach trucks. Rules are paraphrased without representation that they have been reproduced verbatim.

Your reach truck was manufactured in accordance with the National Fire Protection Association (NFPA) No. 505 and the American National Standards Institute, Inc./Industrial Truck Standards Development Foundation (ANSI/ITSDF) B56.1, Safety Standard for Low Lift and High Lift Trucks. Since regulations vary from country to country, operate this reach truck in accordance with local regulations. See www.ITSDF.org web site for more information on the B56.1 Safety Standards for Low Lift and High Lift Trucks.

The most effective way of reducing the risk of serious injuries, or even death, to you and others, is for you to know how to operate the truck properly. Drive alertly and avoid maneuvers or conditions that can cause accidents. Be professional.

Do not operate a reach truck if it is in need of maintenance, repair or appears to be unsafe in any way. Report all unsafe conditions immediately to your supervisor and contact your authorized Mitsubishi forklift truck dealer. Do not attempt any adjustments or repairs unless you are trained and authorized to do so.

Continuing improvement and advancement of product design may have caused changes to your reach truck which are not included in this publication. Whenever a question arises regarding your reach truck, or this publication, please consult your Mitsubishi forklift truck dealer for the latest available information.

All reach truck users should be familiar with their Local, Regional, and National regulations.

United States users should be familiar with the Occupational Safety and Health Administration (OSHA), and ANSI/ITSDF B56.1. See www.osha.gov web site for more information on Regulations (Standards - 29 CFR) Powered industrial trucks - 1910.178.

You should also be familiar with areas of use of different types of reach trucks as specified in the National Fire Protection Association (NFPA 505).

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How To Use This Manual

The following safety signs and notices are used in this manual to emphasize important and critical instructions.

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid serious injury or death.

DANGER Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

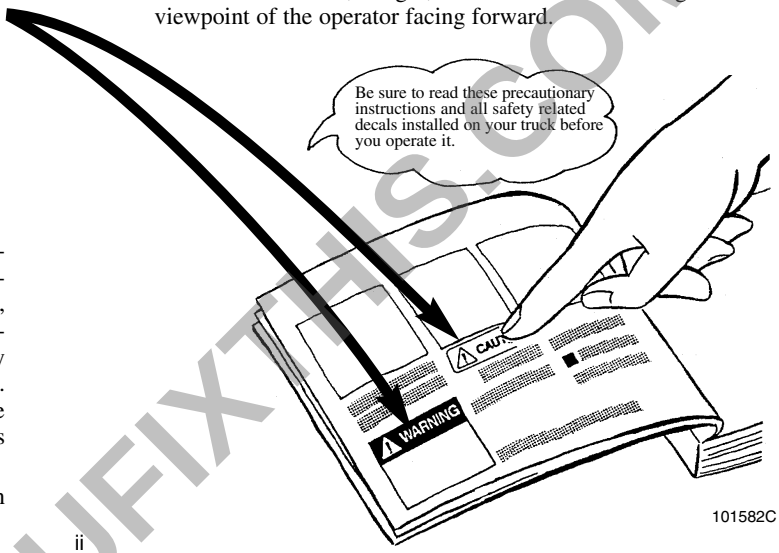
WARNING Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury, or damage to your machine. It may also be used to alert against unsafe practices.

Mitsubishi forklift trucks cannot anticipate every possible circumstance that might involve a potential hazard. The warnings in this publication and on the product are therefore not all inclusive. If a tool, procedure, work method or operating technique not specifically recommended by Mitsubishi forklift trucks is used, you must satisfy yourself that it does not pose a safety hazard to yourself or others. You should also ensure the product will not be damaged or made unsafe by the operation, lubrication, maintenance or repair procedures you choose.

All information, specifications, and illustrations in this publication are based on the latest data available at the time of publication. The specifications, torques, pressures, measurements, adjustments illustrations, and other items can change at any time. These changes can affect the service given to the product. Obtain the most complete and current information from your Mitsubishi forklift truck dealer before starting any job. Mitsubishi forklift truck dealers have the current information available. Additional manuals are available from your Mitsubishi forklift truck dealers.

Directional terms:
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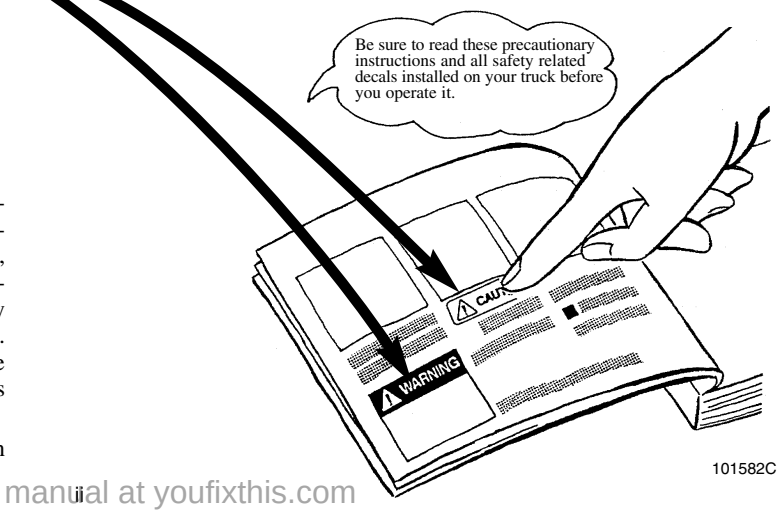
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