



BT Prime-Mover

TMX

● Operator's Manuals

303045-000 1994_June
303045-000 1994_December
303045-001 1995_April
303045-002 1995_October
303045-003 1996_January
303045-003 1997_October
303045-003 1998_June
303045-003 1998_October



CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

- Thank you very much for reading the preview of the manual.
- You can download the complete manual from: www.heydownloads.com by clicking the link below



- Please note: If there is no response to CLICKING the link, please download this PDF first and then click on it.

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

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.

- Avoid loose clothing, particularly cuffs and scarves.
- 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.
- **DO NOT** rush.
- Know the hand signals used on this job and who has responsibility for signaling.
- Safeguard the pedestrians at all times. **DO NOT** drive a truck up to anyone standing in front of a bench or other fixed object.
- **PASSENGERS MUST NOT** be permitted to ride.
- When operator is away from truck the parking brake lever must be in the ENGAGED POSITION (see page number 19 for further information) and all other controls neutralized to prevent movement.
- **DO NOT** place any part of body between moving and stationary or outside running lines of truck.

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.

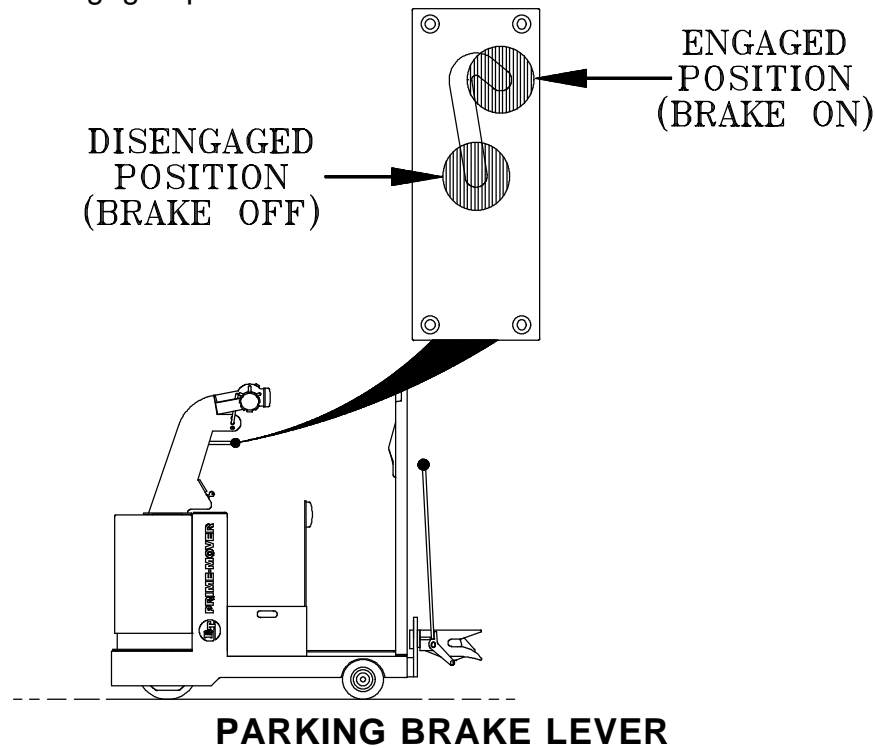
- Avoid loose clothing, particularly cuffs and scarves.
- Know what safety equipment is required on this truck and use it. A hard hat, safety glasses, reflector-type vest, respirators, and ear plugs are some of the types of equipment you may need.
- **DO NOT** rush.
- Know the hand signals used on this job and who has responsibility for signaling.
- Safeguard the pedestrians at all times. **DO NOT** drive a truck up to anyone standing in front of a bench or other fixed object.
- **PASSENGERS MUST NOT** be permitted to ride.
- When operator is away from truck the parking brake lever must be in the ENGAGED POSITION (see page number 19 for further information) and all other controls neutralized to prevent movement.
- **DO NOT** place any part of body between moving and stationary or outside running lines of truck.

CONTROLS AND EQUIPMENT

BRAKE LEVER CONTROLS

This truck has two brake engaging controls, 1) is a parking brake lever that locks in place when used, 2) is a hand controlled lever that is squeezed to apply brake. The hand brake lever can be used from either side of control handle or squeezed with both hands to apply maximum pressure for braking. This lever can be applied slowly to control braking pressure and stop slowly and smoothly.

The proper position for parking brake lever engaged and disengaged position is shown and described below.



The parking brake lever must be placed in the engaged position when unit is not in use (parked) or hand brake lever is not squeezed.

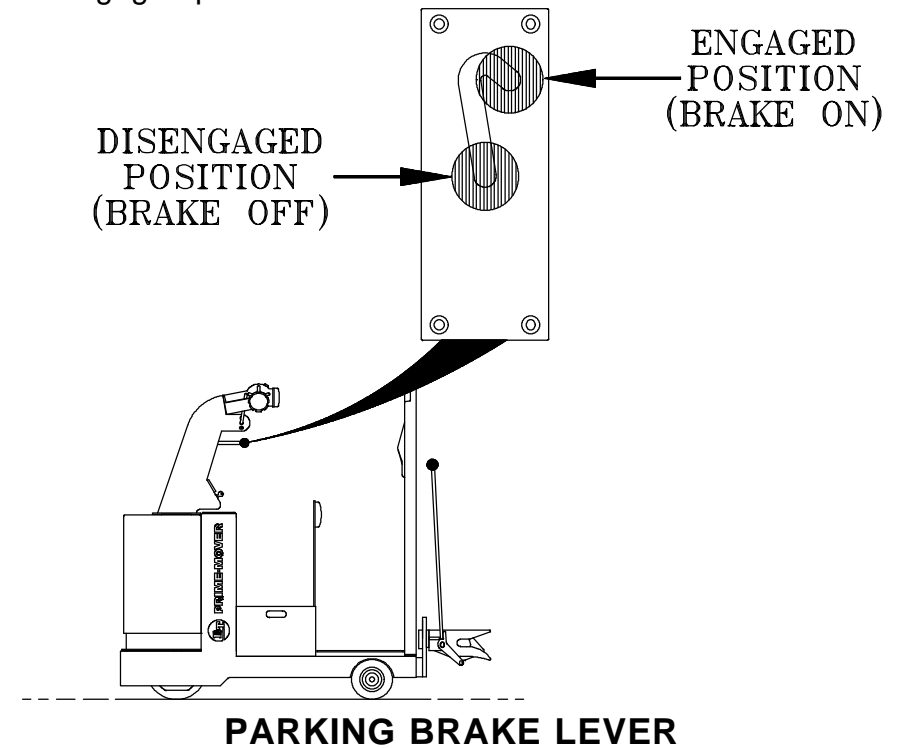
The brake function should always be checked before using this unit.

CONTROLS AND EQUIPMENT

BRAKE LEVER CONTROLS

This truck has two brake engaging controls, 1) is a parking brake lever that locks in place when used, 2) is a hand controlled lever that is squeezed to apply brake. The hand brake lever can be used from either side of control handle or squeezed with both hands to apply maximum pressure for braking. This lever can be applied slowly to control braking pressure and stop slowly and smoothly.




The proper position for parking brake lever engaged and disengaged position is shown and described below.



The parking brake lever must be placed in the engaged position when unit is not in use (parked) or hand brake lever is not squeezed.

The brake function should always be checked before using this unit.

BATTERY RETAINMENT/CARE

-  **WARNING** **DO NOT** allow alkaline solution to fall in the Battery Cell. This will result in a dead or weak cell.
-  **WARNING** **IF ACID** contacts your skin, eyes, or clothing, flush the area immediately with large amounts of water and contact a physician.
-  **WARNING** **DO NOT** attempt to recharge a frozen Battery; this may cause it to rupture or explode. **DO NOT** attempt to recharge the Battery in an area of sparks or near an open flame.

This unit uses a 24 volt wet cell Battery.

Proper care and servicing of the battery is vital to assure satisfactory operation and lift of your BT Prime-Mover electric truck. Battery acid is, of course, extremely corrosive and should be kept off or washed off the machine as any spillage occurs. The battery should always be kept in a charged state. An overly discharged battery will cause a number of operational difficulties in any electric truck. The battery charge should be checked first if any electrical difficulties occur.

In cases of a battery not taking a charge, **make sure that the charger is being attached to the battery connector** and not to the connector on the unit. A battery that does not take a proper charge should be referred to the battery manufacturer's representative for service.




IMPORTANT

Use only batteries that meet the following specifications:

VOLTAGE	24
Minimum Battery Weight	(consult nameplate on unit)
Maximum Battery Weight	(consult nameplate on unit)

For other industrial battery sizes, provide blocking to restrain the battery from moving not more than .50 inches or 12.7 mm in any horizontal direction.

BATTERY RETAINMENT/CARE

-  **WARNING** **DO NOT** allow alkaline solution to fall in the Battery Cell. This will result in a dead or weak cell.
-  **WARNING** **IF ACID** contacts your skin, eyes, or clothing, flush the area immediately with large amounts of water and contact a physician.
-  **WARNING** **DO NOT** attempt to recharge a frozen Battery; this may cause it to rupture or explode. **DO NOT** attempt to recharge the Battery in an area of sparks or near an open flame.

This unit uses a 24 volt wet cell Battery.

Proper care and servicing of the battery is vital to assure satisfactory operation and lift of your BT Prime-Mover electric truck. Battery acid is, of course, extremely corrosive and should be kept off or washed off the machine as any spillage occurs. The battery should always be kept in a charged state. An overly discharged battery will cause a number of operational difficulties in any electric truck. The battery charge should be checked first if any electrical difficulties occur.

In cases of a battery not taking a charge, **make sure that the charger is being attached to the battery connector** and not to the connector on the unit. A battery that does not take a proper charge should be referred to the battery manufacturer's representative for service.

IMPORTANT

Use only batteries that meet the following specifications:

VOLTAGE	24
Minimum Battery Weight	(consult nameplate on unit)
Maximum Battery Weight	(consult nameplate on unit)

For other industrial battery sizes, provide blocking to restrain the battery from moving not more than .50 inches or 12.7 mm in any horizontal direction.

TABLE OF CONTENTS

NAME	PAGE #
Operator's Warning	1
Foreword	2
Table of contents	3
Drive safely	4
Introduction	5
To New BT Prime-Mover Owners	5
Preliminary Service	6
Right, Left, Front, Back	6
Operator	7
Operating practices	8-13
Data plate and Decals	14-16
Controls and Equipment	17-22
Before Operation Inspection	23-25
Stopping Unit	26
Parking	27
Battery Retainment/Care	28-29
Specifications and lubrications	30
Service intervals	31
Field Modifications	32

This unit is designed under **ANSI B56.9**.

For additional operating instructions see **ANSI B56.9**
"OPERATING SAFETY RULES AND PRACTICES".

TABLE OF CONTENTS

NAME	PAGE #
Operator's Warning	1
Foreword	2
Table of contents	3
Drive safely	4
Introduction	5
To New BT Prime-Mover Owners	5
Preliminary Service	6
Right, Left, Front, Back	6
Operator	7
Operating practices	8-13
Data plate and Decals	14-16
Controls and Equipment	17-22
Before Operation Inspection	23-25
Stopping Unit	26
Parking	27
Battery Retainment/Care	28-29
Specifications and lubrications	30
Service intervals	31
Field Modifications	32

This unit is designed under **ANSI B56.9**.

For additional operating instructions see **ANSI B56.9**
"OPERATING SAFETY RULES AND PRACTICES".

OPERATING PRACTICES



- **DO NOT** make repairs or adjustments unless specifically authorized to do so.
- **DO NOT** use open flames when checking electrolyte level in battery
- **DO NOT** adjust unit with any parts moving.
- **DO NOT** smoke while working around truck.
- Block securely with drive tire off of floor when working under truck, and on drive unit or electrical controls.
- **DO NOT** attempt repairs you do not understand. There is no disgrace in asking for help.

These warnings are **NOT** meant to be a complete list, and only the operator's intelligence, good sense, and care of unit will assure that most hazards will be avoided. Refer to **ANSI B56.9** for further operator's information.

OPERATING PRACTICES




- **DO NOT** make repairs or adjustments unless specifically authorized to do so.
- **DO NOT** use open flames when checking electrolyte level in battery
- **DO NOT** adjust unit with any parts moving.
- **DO NOT** smoke while working around truck.
- Block securely with drive tire off of floor when working under truck, and on drive unit or electrical controls.
- **DO NOT** attempt repairs you do not understand. There is no disgrace in asking for help.

These warnings are **NOT** meant to be a complete list, and only the operator's intelligence, good sense, and care of unit will assure that most hazards will be avoided. Refer to **ANSI B56.9** for further operator's information.

BEFORE OPERATION INSPECTION


- Check the operation of the BDI/hourmeter.
- Press horn button to check horn function. If horn does not function, report the failure and have it repaired before the unit is put into operation.
- Before operating unit, look in all directions to make sure your path of travel is clear.
- Turn steering control handle until steering is in the desired direction of travel.
- Squeezes the hand park lever with one hand to apply the brake and disengage parking brake. This will release the brake and make power available to drive motor.

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

- **REARWARD TRAVEL:** Put a firm grip on the directional control handle and rotate backward (down) slowly. The unit must move slowly in a rearward direction. Rotate the handle more to increase speed. Unit should accelerate smoothly to maximum speed as handle is rotated. Direction controls **MUST** automatically return to the **NEUTRAL** position. When released. Squeezes the hand brake lever with your hand(s) to apply the brakes.
- **FORWARD TRAVEL:** Put a firm grip on the directional control handle and rotate forward (up) slowly. The unit must move slowly in a forward direction. Rotate the handle more to increase speed. Unit should accelerate smoothly to maximum speed as handle is rotated. Direction controls **MUST** automatically return to the **NEUTRAL** position. When released. Squeezes the hand brake lever with your hand(s) to apply the brakes.
- 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.

BEFORE OPERATION INSPECTION

- Check the operation of the BDI/hourmeter.
- Press horn button to check horn function. If horn does not function, report the failure and have it repaired before the unit is put into operation.
- Before operating unit, look in all directions to make sure your path of travel is clear.
- Turn steering control handle until steering is in the desired direction of travel.
- Squeezes the hand park lever with one hand to apply the brake and disengage parking brake. This will release the brake and make power available to drive motor.

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

- **REARWARD TRAVEL:** Put a firm grip on the directional control handle and rotate backward (down) slowly. The unit must move slowly in a rearward direction. Rotate the handle more to increase speed. Unit should accelerate smoothly to maximum speed as handle is rotated. Direction controls **MUST** automatically return to the **NEUTRAL** position. When released. Squeezes the hand brake lever with your hand(s) to apply the brakes.
- **FORWARD TRAVEL:** Put a firm grip on the directional control handle and rotate forward (up) slowly. The unit must move slowly in a forward direction. Rotate the handle more to increase speed. Unit should accelerate smoothly to maximum speed as handle is rotated. Direction controls **MUST** automatically return to the **NEUTRAL** position. When released. Squeezes the hand brake lever with your hand(s) to apply the brakes.
- 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.



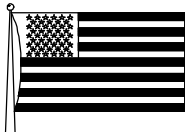
PRIME-MOVER

THE PRIME-MOVER CO.
3000 NORTH US HIGHWAY 61
MUSCATINE, IOWA 52761-5810

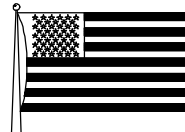


PRIME-MOVER

THE PRIME-MOVER CO.
3000 NORTH US HIGHWAY 61
MUSCATINE, IOWA 52761-5810



PROUDLY _____
Made in **AMERICA**



PROUDLY _____
Made in **AMERICA**

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.

- Avoid loose clothing, particularly cuffs and scarves.
- 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.
- **DO NOT** rush.
- Know the hand signals used on this job and who has responsibility for signaling.
- Safeguard the pedestrians at all times. **DO NOT** drive a truck up to anyone standing in front of a bench or other fixed object.
- **PASSENGERS MUST NOT** be permitted to ride.
- When operator is away from truck the parking brake lever must be in the ENGAGED POSITION (see page number 19 for further information) and all other controls neutralized to prevent movement.
- **DO NOT** place any part of body between moving and stationary or outside running lines of truck.
- Use caution when making a right or left turn into an aisle. Remember rear wheels do not follow turn path of front wheel. When making a turn allow for "corner-cutting" of trailers.

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.

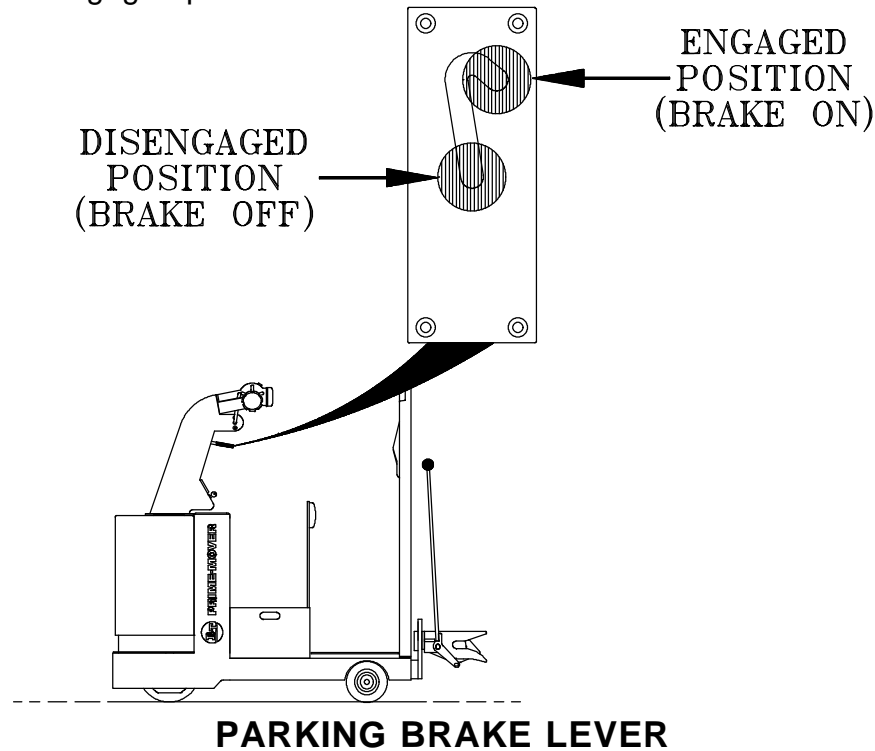
- Avoid loose clothing, particularly cuffs and scarves.
- Know what safety equipment is required on this truck and use it. A hard hat, safety glasses, reflector-type vest, respirators, and ear plugs are some of the types of equipment you may need.
- **DO NOT** rush.
- Know the hand signals used on this job and who has responsibility for signaling.
- Safeguard the pedestrians at all times. **DO NOT** drive a truck up to anyone standing in front of a bench or other fixed object.
- **PASSENGERS MUST NOT** be permitted to ride.
- When operator is away from truck the parking brake lever must be in the ENGAGED POSITION (see page number 19 for further information) and all other controls neutralized to prevent movement.
- **DO NOT** place any part of body between moving and stationary or outside running lines of truck.
- Use caution when making a right or left turn into an aisle. Remember rear wheels do not follow turn path of front wheel. When making a turn allow for "corner-cutting" of trailers.

CONTROLS AND EQUIPMENT

BRAKE LEVER CONTROLS

This truck has two brake engaging controls, 1) is a parking brake lever that locks in place when used, 2) is a hand controlled lever that is squeezed to apply brake. The hand brake lever can be used from either side of control handle or squeezed with both hands to apply maximum pressure for braking. This lever can be applied slowly to control braking pressure and stop slowly and smoothly.

The proper position for parking brake lever engaged and disengaged position is shown and described below.



The parking brake lever must be placed in the engaged position when unit is not in use (parked) or hand brake lever is not squeezed.

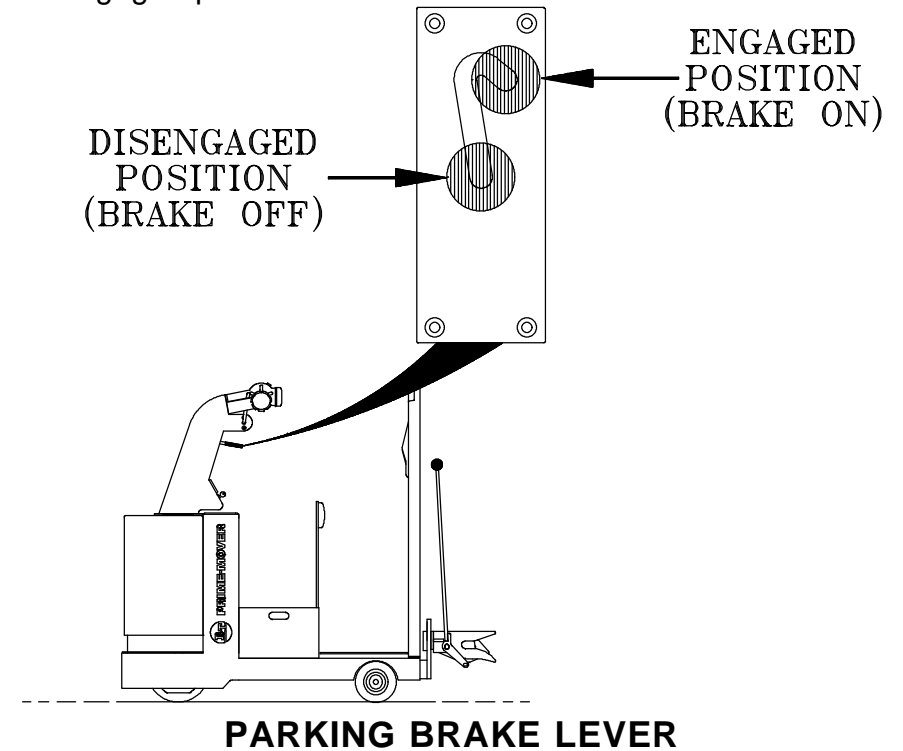
The brake function should always be checked before using this unit.

CONTROLS AND EQUIPMENT

BRAKE LEVER CONTROLS

This truck has two brake engaging controls, 1) is a parking brake lever that locks in place when used, 2) is a hand controlled lever that is squeezed to apply brake. The hand brake lever can be used from either side of control handle or squeezed with both hands to apply maximum pressure for braking. This lever can be applied slowly to control braking pressure and stop slowly and smoothly.




The proper position for parking brake lever engaged and disengaged position is shown and described below.



The parking brake lever must be placed in the engaged position when unit is not in use (parked) or hand brake lever is not squeezed.

The brake function should always be checked before using this unit.

BATTERY RETAINMENT/CARE

-  **WARNING** **DO NOT** allow alkaline solution to fall in the Battery Cell. This will result in a dead or weak cell.
-  **WARNING** **IF ACID** contacts your skin, eyes, or clothing, flush the area immediately with large amounts of water and contact a physician.
-  **WARNING** **DO NOT** attempt to recharge a frozen Battery; this may cause it to rupture or explode. **DO NOT** attempt to recharge the Battery in an area of sparks or near an open flame.

This unit uses a 24 volt wet cell Battery.

Proper care and servicing of the battery is vital to assure satisfactory operation and lift of your BT Prime-Mover electric truck. Battery acid is, of course, extremely corrosive and should be kept off or washed off the machine as any spillage occurs. The battery should always be kept in a charged state. An overly discharged battery will cause a number of operational difficulties in any electric truck. The battery charge should be checked first if any electrical difficulties occur.

In cases of a battery not taking a charge, **make sure that the charger is being attached to the battery connector** and not to the connector on the unit. A battery that does not take a proper charge should be referred to the battery manufacturer's representative for service.




IMPORTANT

Use only batteries that meet the following specifications:

VOLTAGE	24
Minimum Battery Weight	(consult nameplate on unit)
Maximum Battery Weight	(consult nameplate on unit)

For other industrial battery sizes, provide blocking to restrain the battery from moving not more than .50 inches or 12.7 mm in any horizontal direction.

BATTERY RETAINMENT/CARE

-  **WARNING** **DO NOT** allow alkaline solution to fall in the Battery Cell. This will result in a dead or weak cell.
-  **WARNING** **IF ACID** contacts your skin, eyes, or clothing, flush the area immediately with large amounts of water and contact a physician.
-  **WARNING** **DO NOT** attempt to recharge a frozen Battery; this may cause it to rupture or explode. **DO NOT** attempt to recharge the Battery in an area of sparks or near an open flame.

This unit uses a 24 volt wet cell Battery.

Proper care and servicing of the battery is vital to assure satisfactory operation and lift of your BT Prime-Mover electric truck. Battery acid is, of course, extremely corrosive and should be kept off or washed off the machine as any spillage occurs. The battery should always be kept in a charged state. An overly discharged battery will cause a number of operational difficulties in any electric truck. The battery charge should be checked first if any electrical difficulties occur.

In cases of a battery not taking a charge, **make sure that the charger is being attached to the battery connector** and not to the connector on the unit. A battery that does not take a proper charge should be referred to the battery manufacturer's representative for service.

IMPORTANT

Use only batteries that meet the following specifications:

VOLTAGE	24
Minimum Battery Weight	(consult nameplate on unit)
Maximum Battery Weight	(consult nameplate on unit)

For other industrial battery sizes, provide blocking to restrain the battery from moving not more than .50 inches or 12.7 mm in any horizontal direction.

TABLE OF CONTENTS

NAME	PAGE #
Operator's Warning	1
Foreword	2
Table of contents	3
Drive safely	4
Introduction	5
To New BT Prime-Mover Owners	5
Preliminary Service	6
Right, Left, Front, Back	6
Operator	7
Operating practices	8-13
Data plate and Decals	14-16
Controls and Equipment	17-23
Before Operation Inspection	24-26
Stopping Unit	27
Parking	28
Battery Retainment/Care	29-30
Specifications and lubrications	31
Service intervals	32
Field Modifications	33

This unit is designed under **ANSI B56.9**.

For additional operating instructions see **ANSI B56.9**
"OPERATING SAFETY RULES AND PRACTICES".

TABLE OF CONTENTS

NAME	PAGE #
Operator's Warning	1
Foreword	2
Table of contents	3
Drive safely	4
Introduction	5
To New BT Prime-Mover Owners	5
Preliminary Service	6
Right, Left, Front, Back	6
Operator	7
Operating practices	8-13
Data plate and Decals	14-16
Controls and Equipment	17-23
Before Operation Inspection	24-26
Stopping Unit	27
Parking	28
Battery Retainment/Care	29-30
Specifications and lubrications	31
Service intervals	32
Field Modifications	33

This unit is designed under **ANSI B56.9**.

For additional operating instructions see **ANSI B56.9**
"OPERATING SAFETY RULES AND PRACTICES".

OPERATING PRACTICES



- **DO NOT** smoke while working around truck.
- Block securely with drive tire off of floor when working under truck, and on drive unit or electrical controls.
- **DO NOT** attempt repairs you do not understand. There is no disgrace in asking for help.

These warnings are **NOT** meant to be a complete list, and only the operator's intelligence, good sense, and care of unit will assure that most hazards will be avoided. Refer to **ANSI B56.9** for further operator's information.

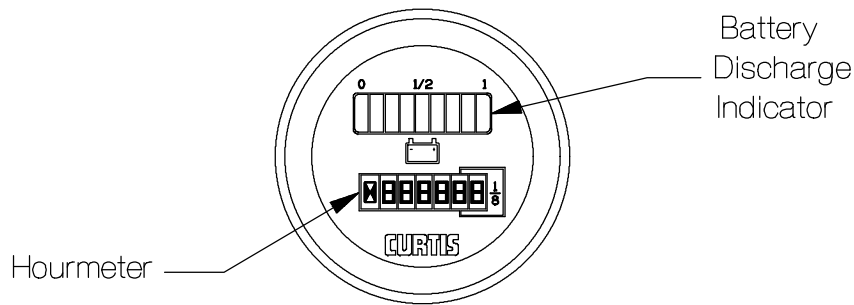
OPERATING PRACTICES



- **DO NOT** smoke while working around truck.
- Block securely with drive tire off of floor when working under truck, and on drive unit or electrical controls.
- **DO NOT** attempt repairs you do not understand. There is no disgrace in asking for help.

These warnings are **NOT** meant to be a complete list, and only the operator's intelligence, good sense, and care of unit will assure that most hazards will be avoided. Refer to **ANSI B56.9** for further operator's information.

CONTROLS AND EQUIPMENT



**BATTERY DISCHARGE INDICATOR/HOURMETER
DASH DISPLAY**

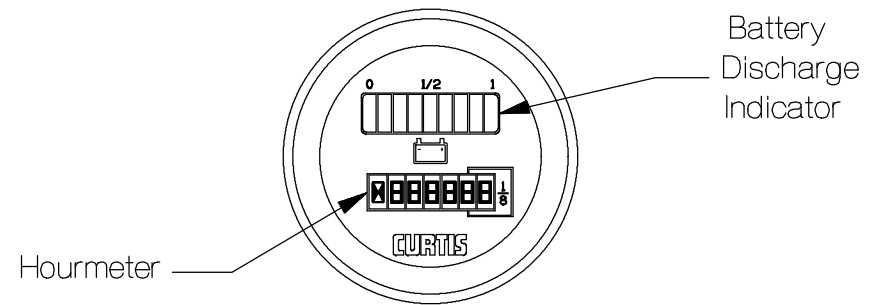
BATTERY DISCHARGE INDICATOR/HOURMETER

This dash display is a two segment display that indicates the percentage of battery discharge and hourmeter. The hourmeter and battery condition can be read anytime the key is in the on position.

BDI/HOURMETER WITH SPEED DROPOUT (optional)

This dash display has hourmeter and battery discharge indicator along with speed dropout function. This gauge has a ten-LED multicolored display. One LED is illuminated at a time, beginning with a green LED at the far right position. As the battery is drained of charge, the display moves one position to the left at a time. The first five LEDs are green, the next three are amber, and the last two are red. When the display moves to the ninth position from the right, the LED will go "ON" and "OFF". This position corresponds to a battery that is approximately 70% discharged. The next position is the tenth, or last, LED (red). This LED will flash alternately with the ninth LED. This corresponds to approximately 80% discharged. At this point, speed dropout occurs.

CONTROLS AND EQUIPMENT



**BATTERY DISCHARGE INDICATOR/HOURMETER
DASH DISPLAY**

BATTERY DISCHARGE INDICATOR/HOURMETER

This dash display is a two segment display that indicates the percentage of battery discharge and hourmeter. The hourmeter and battery condition can be read anytime the key is in the on position.

BDI/HOURMETER WITH SPEED DROPOUT (optional)

This dash display has hourmeter and battery discharge indicator along with speed dropout function. This gauge has a ten-LED multicolored display. One LED is illuminated at a time, beginning with a green LED at the far right position. As the battery is drained of charge, the display moves one position to the left at a time. The first five LEDs are green, the next three are amber, and the last two are red. When the display moves to the ninth position from the right, the LED will go "ON" and "OFF". This position corresponds to a battery that is approximately 70% discharged. The next position is the tenth, or last, LED (red). This LED will flash alternately with the ninth LED. This corresponds to approximately 80% discharged. At this point, speed dropout occurs.

FIELD MODIFICATIONS

Modifications and additions which affect capacity and safe operation shall not be performed by the customer or user without manufacturer's prior written approval. Capacity, operation, and maintenance instruction plate, tags, or decals shall be changed accordingly.

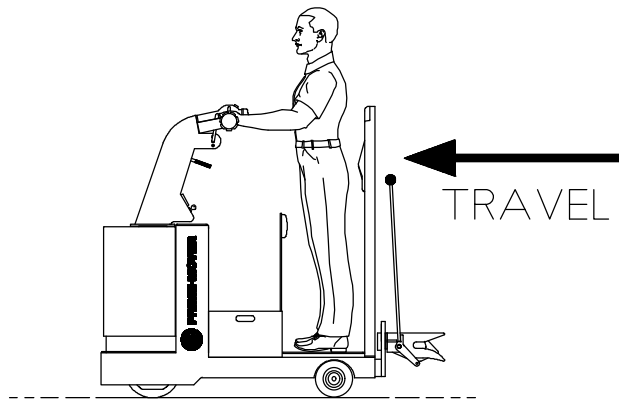
FIELD MODIFICATIONS

Modifications and additions which affect capacity and safe operation shall not be performed by the customer or user without manufacturer's prior written approval. Capacity, operation, and maintenance instruction plate, tags, or decals shall be changed accordingly.

OPERATOR

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 trucks are operated properly. It is important to have trained, reliable personnel operating your units. If at any time the operator finds that the unit is not performing properly, he should discontinue operation of the truck and report the condition to his supervisor for correction.

The proper operator position for this truck is shown and described below.



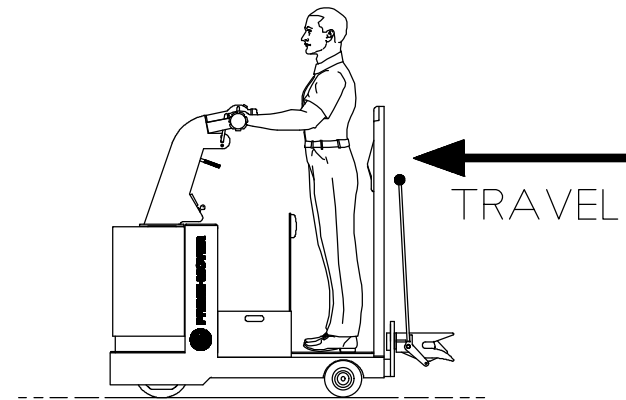
Proper operation of this unit is as shown when possible. Steering the truck is easier in this direction. Always look in the direction of travel.

When reversing into a confined area or elevator or on an incline, keep both hands on control handle. Keep both hands within the handle guard and always look in the direction of travel.

OPERATOR

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 trucks are operated properly. It is important to have trained, reliable personnel operating your units. If at any time the operator finds that the unit is not performing properly, he should discontinue operation of the truck and report the condition to his supervisor for correction.

The proper operator position for this truck is shown and described below.



Proper operation of this unit is as shown when possible. Steering the truck is easier in this direction. Always look in the direction of travel.

When reversing into a confined area or elevator or on an incline, keep both hands on control handle. Keep both hands within the handle guard and always look in the direction of travel.

CONTROLS AND EQUIPMENT

Guards and shields have been provided on unit for your protection.

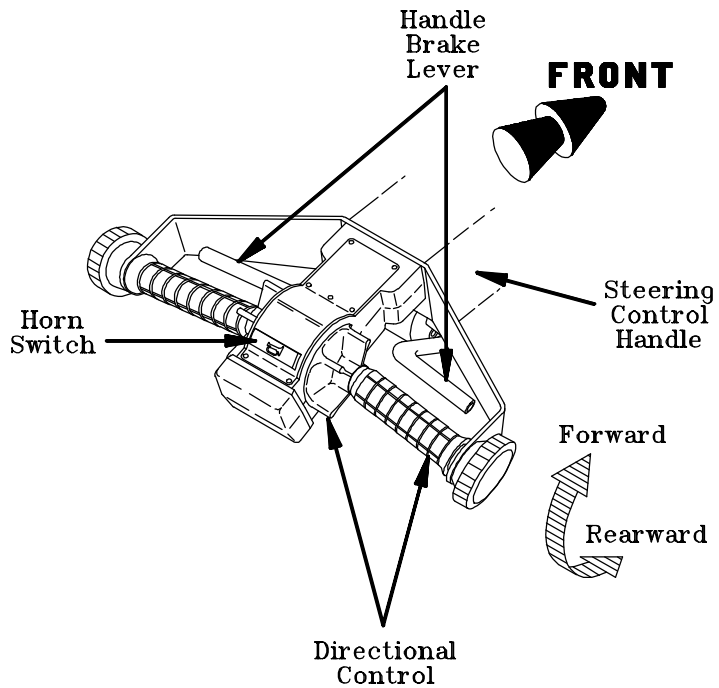
WARNING DO NOT operate this equipment unless all factory installed guards and shields are properly secured in place.

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

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

THE CONTROL HANDLE

The control handle is used to provide hand brake, direction, speed, and horn on this machine.



The Control Handle

CONTROLS AND EQUIPMENT

Guards and shields have been provided on unit for your protection.

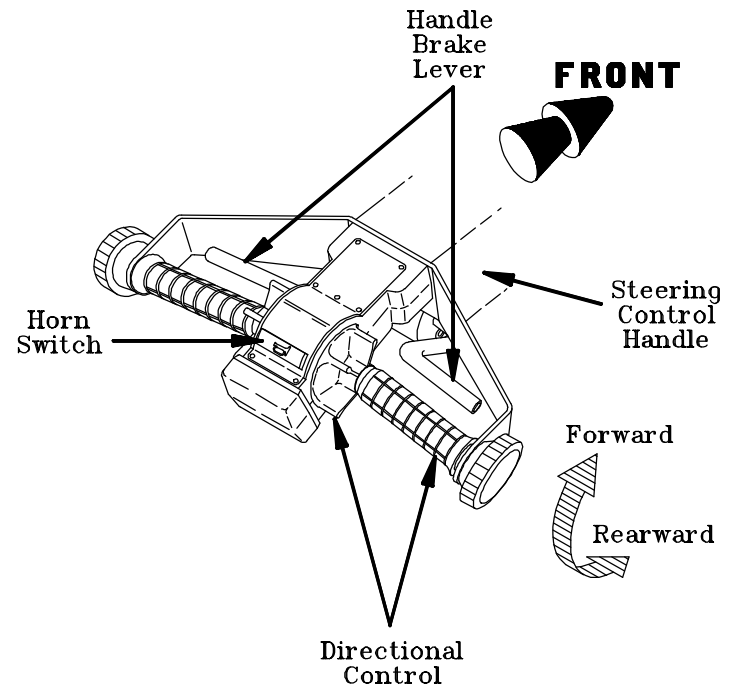
WARNING DO NOT operate this equipment unless all factory installed guards and shields are properly secured in place.

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

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

THE CONTROL HANDLE

The control handle is used to provide hand brake, direction, speed, and horn on this machine.



The Control Handle

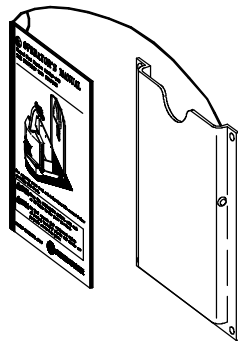
BEFORE OPERATION INSPECTION

As the truck comes to a full stop the operator may choose to: (1) Continue holding the controls in the opposite direction and thus start the truck moving in that direction. (2) The operator may squeeze the hand brake lever on the control handle to apply the brake and allow the truck to come to a complete halt.

THE BRAKE CONTROL HANDLE LEVER MUST NOT BE PLACED IN THE BRAKE POSITION DURING THE “PLUG BRAKING” OPERATION.

When using the “plug braking” the operator may regulate, within the programmed capabilities, the severity of the “plugging” force and the stopping distance. For the lightest “plugging” force, and the longest stopping distance, the travel control should be operated only to the “creep” position in the opposite direction. For the strongest “plugging” power, and the shortest distance, the travel control should be operated to full speed in the opposite direction. Plug braking may be regulated with the control handle at any point between the “creep” position and full speed.

- Brake action should be smooth and stop unit in a normal distance. Report any unusual brake operation.
- Check steering control handle while truck is moving. Turn the steering handle fully left and then right. Steering control handle should turn smoothly without binding or any loss of steering control.
- Make sure **OPERATOR'S** instruction manual is returned to the case and storage box.



27

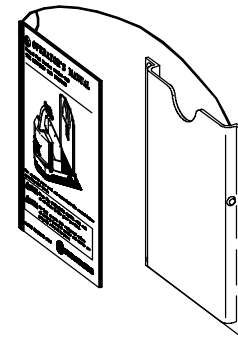
BEFORE OPERATION INSPECTION

As the truck comes to a full stop the operator may choose to: (1) Continue holding the controls in the opposite direction and thus start the truck moving in that direction. (2) The operator may squeeze the hand brake lever on the control handle to apply the brake and allow the truck to come to a complete halt.

THE BRAKE CONTROL HANDLE LEVER MUST NOT BE PLACED IN THE BRAKE POSITION DURING THE “PLUG BRAKING” OPERATION.

When using the “plug braking” the operator may regulate, within the programmed capabilities, the severity of the “plugging” force and the stopping distance. For the lightest “plugging” force, and the longest stopping distance, the travel control should be operated only to the “creep” position in the opposite direction. For the strongest “plugging” power, and the shortest distance, the travel control should be operated to full speed in the opposite direction. Plug braking may be regulated with the control handle at any point between the “creep” position and full speed.

- Brake action should be smooth and stop unit in a normal distance. Report any unusual brake operation.
- Check steering control handle while truck is moving. Turn the steering handle fully left and then right. Steering control handle should turn smoothly without binding or any loss of steering control.
- Make sure **OPERATOR'S** instruction manual is returned to the case and storage box.



27

Operator's warning



IMPORTANT NOTICE

This is the “**SAFETY ALERT SYMBOL**”. This symbol is used to call your attention to items or operations that could be dangerous to you or other persons using this equipment. Please read these messages carefully. It is essential that you read the instructions and safety regulations before you attempt to assemble or use this truck.

Before operating the truck:


1. The operator must be instructed on safe and correct use of this truck.
2. The operator must read and understand the **Operator's Manual** for this truck.

WARNING

**BEFORE OPERATING TRUCK
STUDY OPERATOR'S MANUAL SAFETY MESSAGES.
READ ALL SAFETY DECALS ON TRUCK.
CLEAR THE AREA OF OTHER PERSONS.**

**LEARN AND PRACTICE USE OF
CONTROLS BEFORE OPERATING.**

IT IS YOUR RESPONSIBILITY TO UNDERSTAND AND FOLLOW MANUFACTURER'S INSTRUCTIONS ON TRUCK OPERATION AND TO OBSERVE PERTINENT LAWS AND REGULATIONS. OPERATOR MANUALS, PARTS MANUALS, AND REPAIR MANUALS MAY BE OBTAINED FROM YOUR EQUIPMENT DEALER.

 **WARNING** INJURY OR DEATH TO YOU OR OTHER PERSONNEL COULD OCCUR IF YOU DO NOT FOLLOW THESE INSTRUCTIONS AND MESSAGES.

Operator's warning



IMPORTANT NOTICE

This is the “**SAFETY ALERT SYMBOL**”. This symbol is used to call your attention to items or operations that could be dangerous to you or other persons using this equipment. Please read these messages carefully. It is essential that you read the instructions and safety regulations before you attempt to assemble or use this truck.

Before operating the truck:


1. The operator must be instructed on safe and correct use of this truck.
2. The operator must read and understand the **Operator's Manual** for this truck.

WARNING

**BEFORE OPERATING TRUCK
STUDY OPERATOR'S MANUAL SAFETY MESSAGES.
READ ALL SAFETY DECALS ON TRUCK.
CLEAR THE AREA OF OTHER PERSONS.**

**LEARN AND PRACTICE USE OF
CONTROLS BEFORE OPERATING.**

IT IS YOUR RESPONSIBILITY TO UNDERSTAND AND FOLLOW MANUFACTURER'S INSTRUCTIONS ON TRUCK OPERATION AND TO OBSERVE PERTINENT LAWS AND REGULATIONS. OPERATOR MANUALS, PARTS MANUALS, AND REPAIR MANUALS MAY BE OBTAINED FROM YOUR EQUIPMENT DEALER.

 **WARNING** INJURY OR DEATH TO YOU OR OTHER PERSONNEL COULD OCCUR IF YOU DO NOT FOLLOW THESE INSTRUCTIONS AND MESSAGES.

Safety regulations

General safety regulations

Driving and conduct while driving

- Always drive the truck from the normal operator position.
- Always drive the truck in a responsible manner and with full control. Sudden starts and braking as well as cornering at high speed should be avoided.
- Drive at a reduced speed on inclines. Drive the truck straight up and down on inclines. It is **not** permitted to turn the truck on an incline.
- Reduce the speed if the surface is slippery to prevent the truck from sliding or overturning.
- Adapt your speed to the driving conditions, both to pedestrians and other trucks in the working area. Reduce speed when the line of vision is limited and when pedestrians or other vehicles can be encountered.
- Pay particular attention to other personnel as well as fixed and moving objects within the working area and thereby avoid accidents.
- Always be prepared to stop if other personnel are in the working area.
- Keep a safe distance from all vehicles ahead.
- Always keep a safe distance from the edges of loading bays and loading ramps. Be attentive to marked risk areas.
- Sound the horn when overtaking other vehicles and when the attention of other personnel is required.

Safety regulations

General safety regulations

Driving and conduct while driving

- Always drive the truck from the normal operator position.
- Always drive the truck in a responsible manner and with full control. Sudden starts and braking as well as cornering at high speed should be avoided.
- Drive at a reduced speed on inclines. Drive the truck straight up and down on inclines. It is **not** permitted to turn the truck on an incline.
- Reduce the speed if the surface is slippery to prevent the truck from sliding or overturning.
- Adapt your speed to the driving conditions, both to pedestrians and other trucks in the working area. Reduce speed when the line of vision is limited and when pedestrians or other vehicles can be encountered.
- Pay particular attention to other personnel as well as fixed and moving objects within the working area and thereby avoid accidents.
- Always be prepared to stop if other personnel are in the working area.
- Keep a safe distance from all vehicles ahead.
- Always keep a safe distance from the edges of loading bays and loading ramps. Be attentive to marked risk areas.
- Sound the horn when overtaking other vehicles and when the attention of other personnel is required.

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

- Thank you very much for reading the preview of the manual.
- You can download the complete manual from: www.heydownloads.com by clicking the link below



- Please note: If there is no response to CLICKING the link, please download this PDF first and then click on it.

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

Presentation of truck

Truck data

The table provides information regarding some technical data which is of value with daily use of the truck.

Truck type	TMX
Operating speed without load	8.0 mph [12.87 km/h]
Operating speed with classified load	6.0 mph [9.65 km/h]
Maximum operating gradient with load, %	10
Continuous noise level. dB (A)	<80

The truck's lifting capacity and weight can be found on the truck's data plate.

Presentation of truck

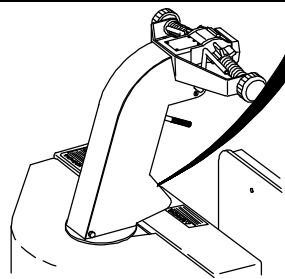
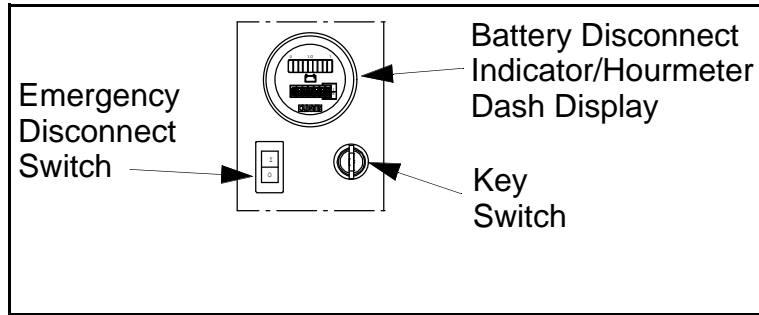
Truck data

The table provides information regarding some technical data which is of value with daily use of the truck.

Truck type	TMX
Operating speed without load	8.0 mph [12.87 km/h]
Operating speed with classified load	6.0 mph [9.65 km/h]
Maximum operating gradient with load, %	10
Continuous noise level. dB (A)	<80

The truck's lifting capacity and weight can be found on the truck's data plate.

Controls and instruments



Dash Controls and Locations

Key Switch (toggle switch)

A **Key Switch** is provided to prevent unauthorized use of this unit. The emergency disconnect switch must be pulled out before electrical power can flow to the control circuit.

The key switch has two (2) positions: **OFF and ON.**

1.OFF Position:

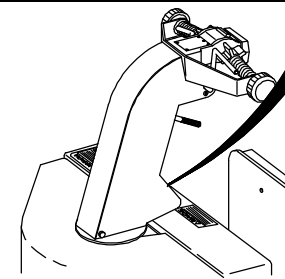
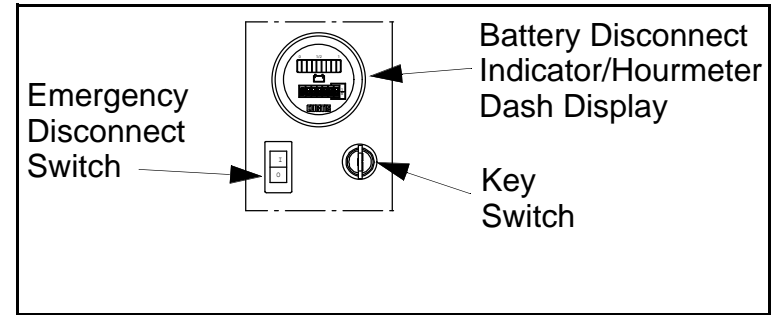
Turning the key to **OFF** will stop all electrical power from going to the control circuit from battery.

2.ON Position:

Turn the key to **ON** to check function of battery discharge indicator. The key switch must be in this position to provide power to the control circuit when unit is operated.

When the unit is left unattended for an extended period of time push the emergency disconnect switch in, disconnect the battery, and remove and secure key in a safe place.

Controls and instruments



Dash Controls and Locations

Key Switch (toggle switch)

A **Key Switch** is provided to prevent unauthorized use of this unit. The emergency disconnect switch must be pulled out before electrical power can flow to the control circuit.

The key switch has two (2) positions: **OFF and ON.**

1.OFF Position:

Turning the key to **OFF** will stop all electrical power from going to the control circuit from battery.

2.ON Position:

Turn the key to **ON** to check function of battery discharge indicator. The key switch must be in this position to provide power to the control circuit when unit is operated.


When the unit is left unattended for an extended period of time push the emergency disconnect switch in, disconnect the battery, and remove and secure key in a safe place.

Transporting loads


Transporting loads


General

The weight of the load should be within the truck's permitted lifting capacity. See the truck's data plate.

 **WARNING Risk of overturning.**
The lifting capacity is reduced if additional equipment is attached to the truck.
Always check the truck's overall lifting capacity.

- Only handle loads that are stable and arranged safely. Take particular care when handling high and long loads.
- Make sure that the truck is equipped with a suitable load support when handling high loads.
- Always drive with the forks fully lowered except when collecting or leaving a load.

 **WARNING Lost stability.**
High loads can fall when cornering at high speed or cause tipover.
Drive slowly and carefully when cornering and travel with loads in lowered position.


 **WARNING Protruding loads.**
The load can collide with personnel, fixed or moving objects.
A truck with a protruding load requires more room when cornering.

Transporting loads


Transporting loads


General

The weight of the load should be within the truck's permitted lifting capacity. See the truck's data plate.

 **WARNING Risk of overturning.**
The lifting capacity is reduced if additional equipment is attached to the truck.
Always check the truck's overall lifting capacity.

- Only handle loads that are stable and arranged safely. Take particular care when handling high and long loads.
- Make sure that the truck is equipped with a suitable load support when handling high loads.
- Always drive with the forks fully lowered except when collecting or leaving a load.

 **WARNING Lost stability.**
High loads can fall when cornering at high speed or cause tipover.
Drive slowly and carefully when cornering and travel with loads in lowered position.

 **WARNING Protruding loads.**
The load can collide with personnel, fixed or moving objects.
A truck with a protruding load requires more room when cornering.

Battery

After charging

- Make sure that the ammeter indicates an insignificant or no reading and that maintenance charge lamp is **ON**, if equipped.
- Switch **OFF** the charger.
- Disconnect the battery connector from charger connector.



CAUTION

Risk of short circuiting.

The terminals can otherwise be damaged inside and result in a subsequent short circuit.

Do not pull the cables to disconnect from the charger.

Battery

After charging

- Make sure that the ammeter indicates an insignificant or no reading and that maintenance charge lamp is **ON**, if equipped.
- Switch **OFF** the charger.
- Disconnect the battery connector from charger connector.



CAUTION

Risk of short circuiting.

The terminals can otherwise be damaged inside and result in a subsequent short circuit.

Do not pull the cables to disconnect from the charger.

Maintenance

Cleaning and washing

General

Cleaning and washing the truck is important to ensure the truck will operate safely and reliably.

- Carry out general cleaning and washing weekly.

NOTE!

Risk of short circuiting.

The electrical system can be damaged.

Disconnect the battery before washing by pulling out the battery connector. Do not spray water directly into the electrical compartments of the truck.

External cleaning

- Remove debris, etc. from the wheels daily.
- Use a degreasing agent diluted to a suitable concentration.
- Rinse off loose grime using warm water.

NOTE!

Mechanical components can be damaged.

After washing, the truck should be lubricated as set out in the chapter Maintenance and Lubrication chart.

Cleaning the motor compartment

- Cover the electric motors, electrical compartments, connectors, and valves before washing.

Maintenance

Cleaning and washing

General

Cleaning and washing the truck is important to ensure the truck will operate safely and reliably.

- Carry out general cleaning and washing weekly.

NOTE!

Risk of short circuiting.

The electrical system can be damaged.

Disconnect the battery before washing by pulling out the battery connector. Do not spray water directly into the electrical compartments of the truck.

External cleaning

- Remove debris, etc. from the wheels daily.
- Use a degreasing agent diluted to a suitable concentration.
- Rinse off loose grime using warm water.

NOTE!

Mechanical components can be damaged.

After washing, the truck should be lubricated as set out in the chapter Maintenance and Lubrication chart.

Cleaning the motor compartment

- Cover the electric motors, electrical compartments, connectors, and valves before washing.

Recycling/Discarding

Recycling/Discarding



Batteries are hazardous to the environment and should be returned to the manufacturer for recycling.

Discarding the battery

When the working life of the battery in the truck is at an end (change to a new battery), or if the entire truck is to be scrapped, special regard to environmental risks shall be taken when disposing/recycling batteries.

Spent batteries shall be returned/sent to the manufacturer of the battery or its representatives (see the label on the battery) for disposal/recycling. You can also return batteries to your local BT representative who will then return the battery to the manufacturer.

Scrapping the truck

The truck consists of parts that contain recyclable metals and plastics. Below is a list of those materials used in the truck's sub-systems.

Chassis	
Chassis	Steel
Drive unit	Steel and cast material
Bushings	Polyamide
Finish	Epoxy-polyester
Wheels	Polyurethane

Recycling/Discarding

Recycling/Discarding



Batteries are hazardous to the environment and should be returned to the manufacturer for recycling.

Discarding the battery

When the working life of the battery in the truck is at an end (change to a new battery), or if the entire truck is to be scrapped, special regard to environmental risks shall be taken when disposing/recycling batteries.

Spent batteries shall be returned/sent to the manufacturer of the battery or its representatives (see the label on the battery) for disposal/recycling. You can also return batteries to your local BT representative who will then return the battery to the manufacturer.

Scrapping the truck

The truck consists of parts that contain recyclable metals and plastics. Below is a list of those materials used in the truck's sub-systems.

Chassis	
Chassis	Steel
Drive unit	Steel and cast material
Bushings	Polyamide
Finish	Epoxy-polyester
Wheels	Polyurethane

Safety regulations

Prohibitory symbols



NO SMOKING

If smoking occurs in situations where a restriction against smoking is stated, a serious accident can occur.



OPEN FLAMES PROHIBITED

If open flames are used in situations where open flames are prohibited, a serious accident can occur.



GENERAL PROHIBITION

If the prohibition is ignored, a serious accident can occur.

Ordinance symbols



SAFETY SHOES

When the directive for safety shoes is given, safety shoes shall always be worn to avoid personal injury.



PROTECTIVE GLASSES

When the directive for protective glasses is given, protective glasses shall always be worn to avoid personal injury.

Safety regulations

Prohibitory symbols



NO SMOKING

If smoking occurs in situations where a restriction against smoking is stated, a serious accident can occur.



OPEN FLAMES PROHIBITED

If open flames are used in situations where open flames are prohibited, a serious accident can occur.



GENERAL PROHIBITION

If the prohibition is ignored, a serious accident can occur.

Ordinance symbols



SAFETY SHOES

When the directive for safety shoes is given, safety shoes shall always be worn to avoid personal injury.



PROTECTIVE GLASSES

When the directive for protective glasses is given, protective glasses shall always be worn to avoid personal injury.

Safety regulations

General safety regulations

Maintenance and repair

Maintenance instructions should be followed to prevent faults and accidents. See the chapter covering **Maintenance**. Only qualified and trained personnel are permitted to maintain, adjust or repair the truck.

All replacement parts shall be **BT** approved spare parts.

Modifications and additions which affect capacity and safe operation shall not be performed by the customer or user without manufacturers prior written approval. Capacity, operation, maintenance instruction plate, tags, or decals shall be changed accordingly.

Safety regulations

General safety regulations

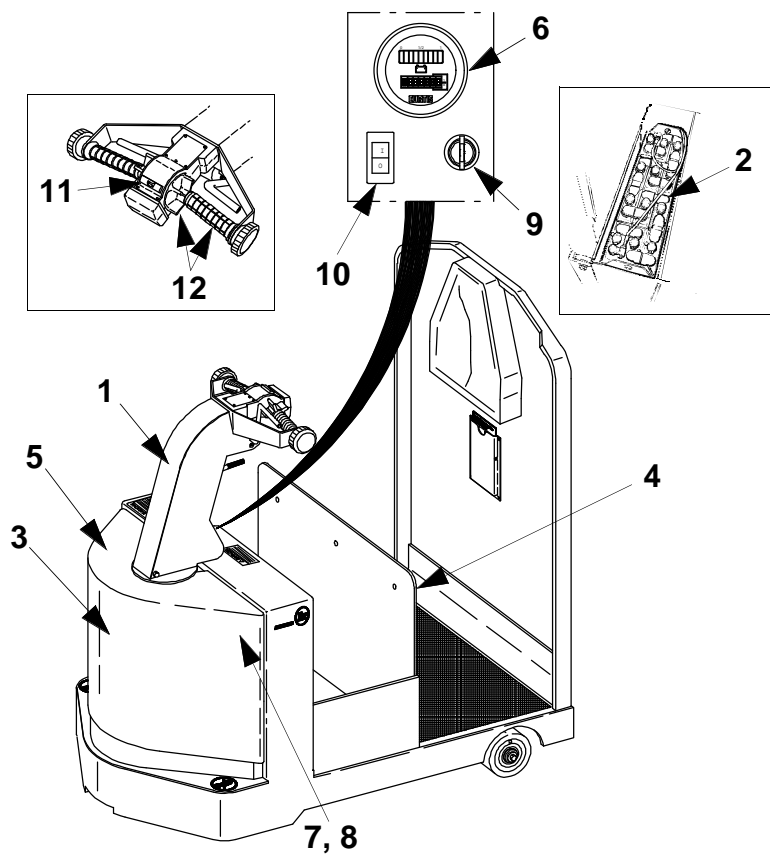
Maintenance and repair

Maintenance instructions should be followed to prevent faults and accidents. See the chapter covering **Maintenance**. Only qualified and trained personnel are permitted to maintain, adjust or repair the truck.

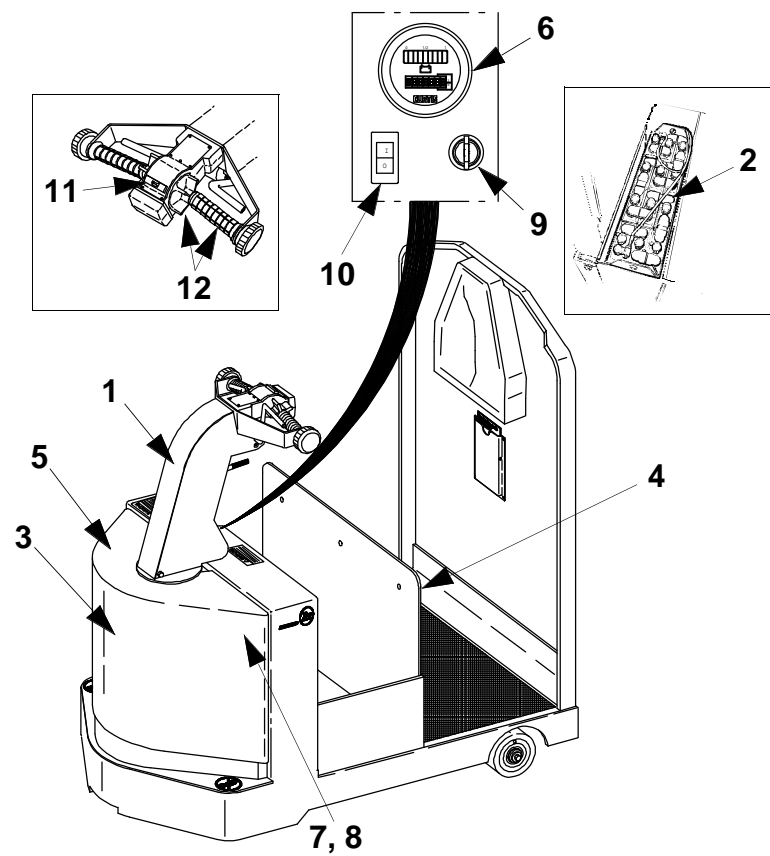
All replacement parts shall be **BT** approved spare parts.

Modifications and additions which affect capacity and safe operation shall not be performed by the customer or user without manufacturers prior written approval. Capacity, operation, maintenance instruction plate, tags, or decals shall be changed accordingly.

Presentation of main components



Presentation of main components



Driving

Starting the truck

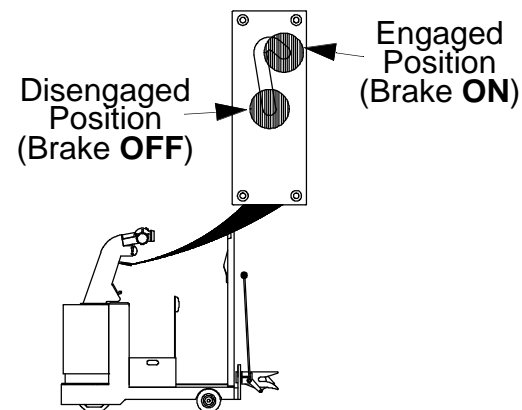
- Ensure the battery connector is connected to the truck.
- Turn the key switch to position I. The instrument lighting comes on.
- Make sure the battery indicator indicates a sufficient charge level (1/2 - 1) to operate the truck.

NOTE!

Low charge level.

Prolonged operation with a low battery charge level can result in damage to the battery.

Do not drive without first recharging the battery.



- Squeeze the handle brake levers located on control handle. Place the parking brake lever in the disengaged position. This releases the parking brake.

Driving

Starting the truck

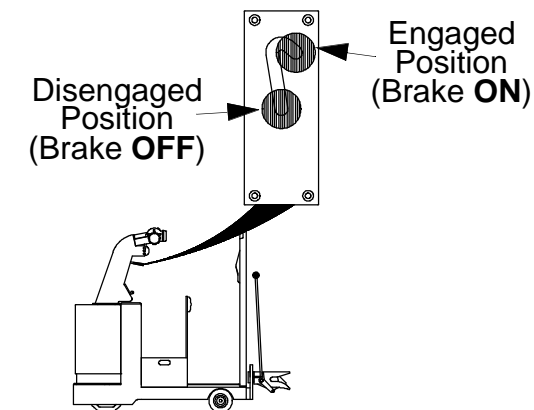
- Ensure the battery connector is connected to the truck.
- Turn the key switch to position I. The instrument lighting comes on.
- Make sure the battery indicator indicates a sufficient charge level (1/2 - 1) to operate the truck.

NOTE!

Low charge level.

Prolonged operation with a low battery charge level can result in damage to the battery.

Do not drive without first recharging the battery.

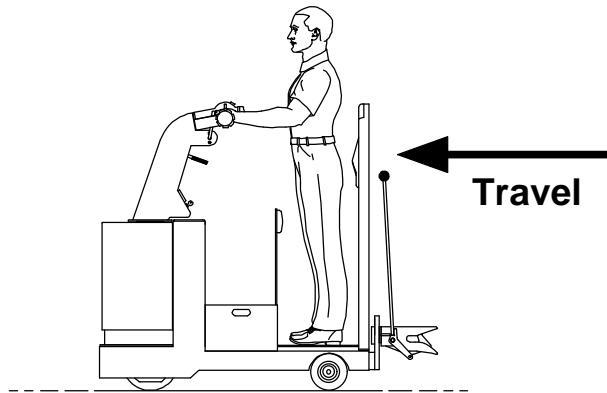


- Squeeze the handle brake levers located on control handle. Place the parking brake lever in the disengaged position. This releases the parking brake.

Transporting loads

Leaving a load

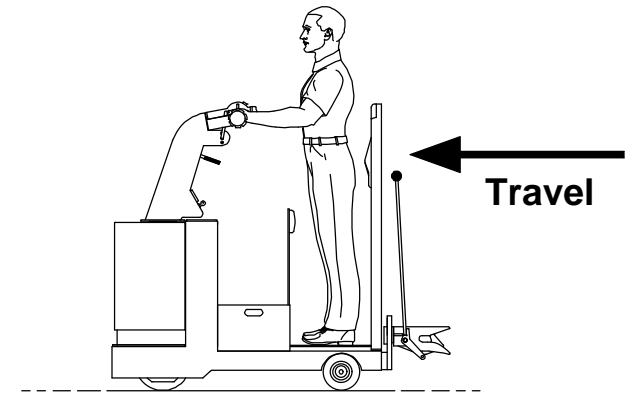
- Slow down and position truck carefully where load is to be left.
- Reverse truck to release hitch and disconnect hitch.
- Drive carefully away from the load. Start slowly and then increase the speed.



Transporting loads

Leaving a load

- Slow down and position truck carefully where load is to be left.
- Reverse truck to release hitch and disconnect hitch.
- Drive carefully away from the load. Start slowly and then increase the speed.



Daily service/safety checks

Item #	Check points	Action
5	Drive unit	Inspect abnormal noises and leakage
6	Wheels	Check for damage, remove oil, metal chips, and debris
7	Hand brake levers	Check its function
8	Direction / speed control	Check its function
9	Control console	Check its locking mechanism
10	Control functions	Check its function
11	Parking brake lever	Check its function
12	Horn	Check its function
13	Running time	Inform your supervisor if your truck is ready for a schedule maintenance check. See “ Maintenance ” chapter.
14	Emergency stop switch	Check its function
15	Key switch (toggle switch)	Check its function

If any of the functions fail to operate properly, inform your supervisor or maintenance personnel to have the truck repaired.

Special equipment

Your truck may have been fitted with optional or special equipment that requires a routine check. To ensure safe operation consult with your supervisor and your **BT** representative about routine checks.

Daily service/safety checks

Item #	Check points	Action
5	Drive unit	Inspect abnormal noises and leakage
6	Wheels	Check for damage, remove oil, metal chips, and debris
7	Hand brake levers	Check its function
8	Direction / speed control	Check its function
9	Control console	Check its locking mechanism
10	Control functions	Check its function
11	Parking brake lever	Check its function
12	Horn	Check its function
13	Running time	Inform your supervisor if your truck is ready for a schedule maintenance check. See “ Maintenance ” chapter.
14	Emergency stop switch	Check its function
15	Key switch (toggle switch)	Check its function

If any of the functions fail to operate properly, inform your supervisor or maintenance personnel to have the truck repaired.

Special equipment

Your truck may have been fitted with optional or special equipment that requires a routine check. To ensure safe operation consult with your supervisor and your **BT** representative about routine checks.

Maintenance

Lubrication chart

Pos No.	Service point	Interval/Running hours			Lubricant
		500h	1000h	3000h	
1	Wheel bearings			L	A
2	Travel brake	C			
3	Drive gear	C		O	B
4	Hinges		L		C
5	Steering bearings		L		A
6	Gear ring	L			A

L=Lubrication

C=Check

O=Oil change

Maintenance

Lubrication chart

Pos No.	Service point	Interval/Running hours			Lubricant
		500h	1000h	3000h	
1	Wheel bearings			L	A
2	Travel brake	C			
3	Drive gear	C		O	B
4	Hinges		L		C
5	Steering bearings		L		A
6	Gear ring	L			A

L=Lubrication

C=Check

O=Oil change

Foreword

It is important that you read and understand this Operator's Manual for your own safety and the safety of those who work with you!

Before you start to use this truck it is of extreme importance that you have **read** the contents of the entire Operator's Manual to be able to use the truck in a **safe** and **efficient** manner.

This Operator's Manual contains information on how you should use the truck and how to keep the truck in a safe condition by following daily service routines.

Only personnel that have been trained as a truck operator, for this type of truck, are permitted to use this truck.

It is your employer's responsibility to ensure that you have been trained to use your truck safely. Contact your supervisor if you feel uncertain about how to use this truck.

Always follow the warnings given in this Operator's Manual and on the truck to avoid accidents.

Foreword

It is important that you read and understand this Operator's Manual for your own safety and the safety of those who work with you!

Before you start to use this truck it is of extreme importance that you have **read** the contents of the entire Operator's Manual to be able to use the truck in a **safe** and **efficient** manner.

This Operator's Manual contains information on how you should use the truck and how to keep the truck in a safe condition by following daily service routines.

Only personnel that have been trained as a truck operator, for this type of truck, are permitted to use this truck.

It is your employer's responsibility to ensure that you have been trained to use your truck safely. Contact your supervisor if you feel uncertain about how to use this truck.

Always follow the warnings given in this Operator's Manual and on the truck to avoid accidents.

Safety regulations

- Always give way to a loaded truck at junctions and in confined aisles.
- **Never** allow passengers to ride on the truck.
- Before the truck is driven over a loading ramp ensure that the ramp is correctly secured and has the necessary load bearing capacity. Drive slowly and carefully across the ramp.
- When the truck is driven on to another vehicle make sure the vehicle is stable and that the brakes have been applied correctly and the wheels chocked.
- Before you drive the truck into an elevator ensure that the elevator is approved for the total weight of the truck, the load, operator, and any other passengers in the elevator. Enter with the load first. No other personnel should be in the elevator when the load or truck enters or leaves.
- When the load impairs the line of vision, always drive with the load to the rear.
- **DO NOT** run over loose objects, uneven surfaces, or other obstructions on roadway surfaces.
- **DO NOT** smoke while working around truck.

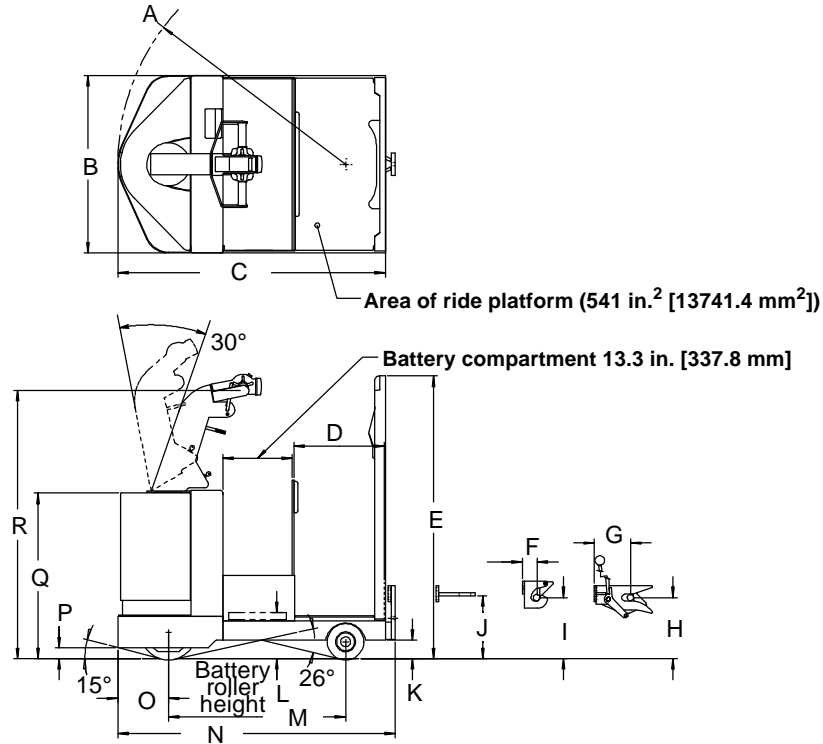
Safety regulations

- Always give way to a loaded truck at junctions and in confined aisles.
- **Never** allow passengers to ride on the truck.
- Before the truck is driven over a loading ramp ensure that the ramp is correctly secured and has the necessary load bearing capacity. Drive slowly and carefully across the ramp.
- When the truck is driven on to another vehicle make sure the vehicle is stable and that the brakes have been applied correctly and the wheels chocked.
- Before you drive the truck into an elevator ensure that the elevator is approved for the total weight of the truck, the load, operator, and any other passengers in the elevator. Enter with the load first. No other personnel should be in the elevator when the load or truck enters or leaves.
- When the load impairs the line of vision, always drive with the load to the rear.
- **DO NOT** run over loose objects, uneven surfaces, or other obstructions on roadway surfaces.
- **DO NOT** smoke while working around truck.

Presentation of truck

Truck dimensions

The following diagrams show external dimensions for TMX trucks in its standard design.

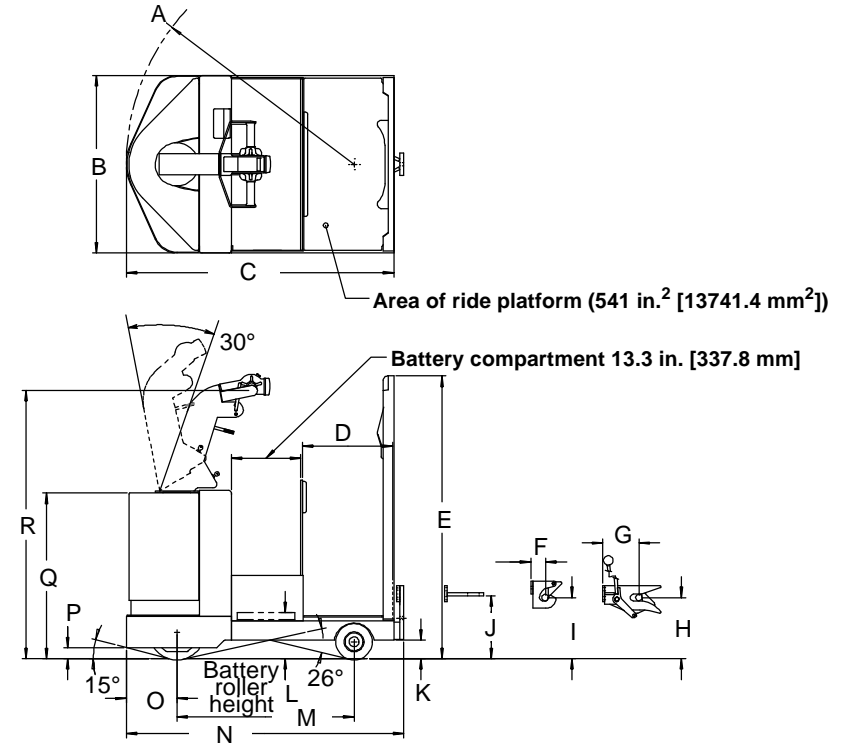


A	43.7 in. R [1110 mm] R	G	6.9 in. [175.26 mm]	M	34 in. 863.6 mm]
B	34.1 in. [866.14 mm]	H	6.2 - 11.7 in. [157.48 - 297.18 mm]	N	53.2 in. [1351.28 mm]
C	51.3 in. [1303.02 mm]	I	5.9 - 11.7 in. [149.86 - 297.18 mm]	O	9.7 in. 246.38 mm]
D	17.3 in. [439.42 mm]	J	6.6 - 12.1 in. [167.64 - 307.34 mm]	P	2.1 in. [53.34 mm]
E	54.3 in. [1379.22 mm]	K	3.6 in. [91.44 mm]	Q	31.8 in. [807.72 mm]
F	2.9 in. [73.66 mm]	L	8.9 in. [226.06 mm]	R	51.5 in. [1308.1 mm]

Presentation of truck

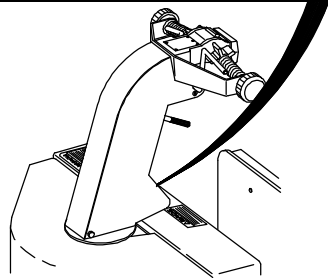
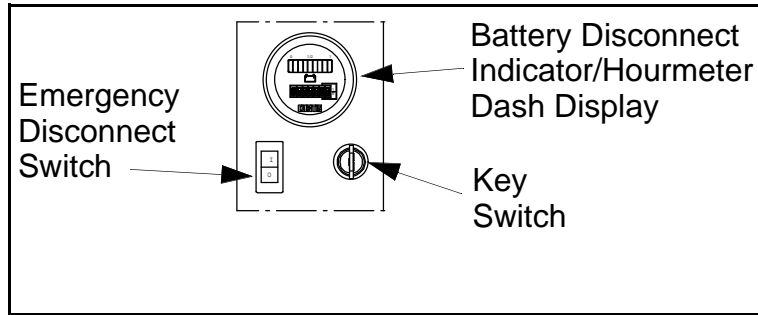
Truck dimensions

The following diagrams show external dimensions for TMX trucks in its standard design.



A	43.7 in. R [1110 mm] R	G	6.9 in. [175.26 mm]	M	34 in. 863.6 mm]
B	34.1 in. [866.14 mm]	H	6.2 - 11.7 in. [157.48 - 297.18 mm]	N	53.2 in. [1351.28 mm]
C	51.3 in. [1303.02 mm]	I	5.9 - 11.7 in. [149.86 - 297.18 mm]	O	9.7 in. 246.38 mm]
D	17.3 in. [439.42 mm]	J	6.6 - 12.1 in. [167.64 - 307.34 mm]	P	2.1 in. [53.34 mm]
E	54.3 in. [1379.22 mm]	K	3.6 in. [91.44 mm]	Q	31.8 in. [807.72 mm]
F	2.9 in. [73.66 mm]	L	8.9 in. [226.06 mm]	R	51.5 in. [1308.1 mm]

Controls and instruments



Dash Controls and Locations

Key Switch (toggle switch)

A **Key Switch** is provided to prevent unauthorized use of this unit. The emergency disconnect switch must be pulled out before electrical power can flow to the control circuit.

The key switch has two (2) positions: **OFF and ON.**

1.OFF Position:

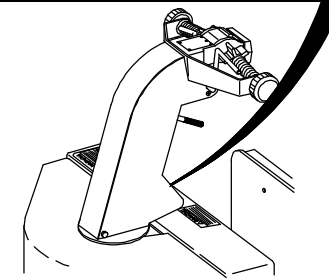
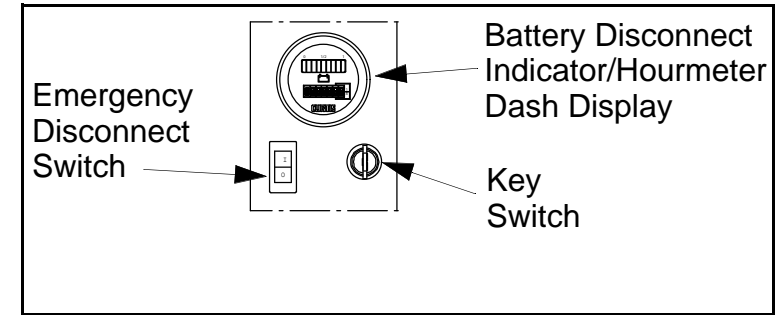
Turning the key to **OFF** will stop all electrical power from going to the control circuit from battery.

2.ON Position:

Turn the key to **ON** to check function of battery discharge indicator. The key switch must be in this position to provide power to the control circuit when unit is operated.

When the unit is left unattended for an extended period of time push the emergency disconnect switch in, disconnect the battery, and remove and secure key in a safe place.

Controls and instruments



Dash Controls and Locations

Key Switch (toggle switch)

A **Key Switch** is provided to prevent unauthorized use of this unit. The emergency disconnect switch must be pulled out before electrical power can flow to the control circuit.

The key switch has two (2) positions: **OFF and ON.**

1.OFF Position:

Turning the key to **OFF** will stop all electrical power from going to the control circuit from battery.

2.ON Position:

Turn the key to **ON** to check function of battery discharge indicator. The key switch must be in this position to provide power to the control circuit when unit is operated.


When the unit is left unattended for an extended period of time push the emergency disconnect switch in, disconnect the battery, and remove and secure key in a safe place.

Transporting loads


Transporting loads


General

The weight of the load should be within the truck's permitted lifting capacity. See the truck's data plate.

 **WARNING** Risk of overturning.
The lifting capacity is reduced if additional equipment is attached to the truck.
Always check the truck's overall lifting capacity.

- Only handle loads that are stable and arranged safely. Take particular care when handling high and long loads.
- Make sure that the truck is equipped with a suitable load support when handling high loads.
- Always drive with the forks fully lowered except when collecting or leaving a load.

 **WARNING** Lost stability.
High loads can fall when cornering at high speed or cause tipover.
Drive slowly and carefully when cornering and travel with loads in lowered position.


 **WARNING** Protruding loads.
The load can collide with personnel, fixed or moving objects.
A truck with a protruding load requires more room when cornering.

Transporting loads


Transporting loads


General

The weight of the load should be within the truck's permitted lifting capacity. See the truck's data plate.

 **WARNING** Risk of overturning.
The lifting capacity is reduced if additional equipment is attached to the truck.
Always check the truck's overall lifting capacity.

- Only handle loads that are stable and arranged safely. Take particular care when handling high and long loads.
- Make sure that the truck is equipped with a suitable load support when handling high loads.
- Always drive with the forks fully lowered except when collecting or leaving a load.


 **WARNING** Lost stability.
High loads can fall when cornering at high speed or cause tipover.
Drive slowly and carefully when cornering and travel with loads in lowered position.

 **WARNING** Protruding loads.
The load can collide with personnel, fixed or moving objects.
A truck with a protruding load requires more room when cornering.

Battery

Battery maintenance

Carry out battery maintenance after recharging.

 **WARNING Corrosive acid.**
The battery fluid contains sulfuric acid. Fluid spilled on skin should be rinsed OFF immediately. Wash thoroughly with soap and water.
If the fluid has come into contact with the eyes, wash the eyes immediately using an eye shower. Contact a doctor.



ALWAYS WEAR PROTECTIVE GLASSES AND PROTECTIVE GLOVES WHEN CHECKING THE BATTERY.

Each week:

- Remove all cell caps.


NOTE! This does not apply to batteries with level caps or central filling.

- Check the fluid level in the cells and note any cells that consume more than a normal amount of fluid.
- Fill using distilled water. The fluid level should be 1/4 in. (10-15 mm) above the cell plates.
- Refit all of the cell caps.
- Rinse off and dry the battery.

Battery

Battery maintenance

Carry out battery maintenance after recharging.

 **WARNING Corrosive acid.**
The battery fluid contains sulfuric acid. Fluid spilled on skin should be rinsed OFF immediately. Wash thoroughly with soap and water.
If the fluid has come into contact with the eyes, wash the eyes immediately using an eye shower. Contact a doctor.



ALWAYS WEAR PROTECTIVE GLASSES AND PROTECTIVE GLOVES WHEN CHECKING THE BATTERY.

Each week:

- Remove all cell caps.

NOTE! This does not apply to batteries with level caps or central filling.

- Check the fluid level in the cells and note any cells that consume more than a normal amount of fluid.
- Fill using distilled water. The fluid level should be 1/4 in. (10-15 mm) above the cell plates.
- Refit all of the cell caps.
- Rinse off and dry the battery.

Maintenance

- Clean carefully using the minimum of water and detergent. **Never pressure wash** or **steam clean** in the compartments.

NOTE!

Risk of short-circuiting.
The electrical system can be damaged.
Electrical components must not be cleaned with a high pressure washing unit.

- Clean the motor compartment using a degreasing agent diluted to a suitable concentration.
- Rinse off loose grime using warm water.

Electrical components



- Blow electric motors dry using compressed air.

⚠ WARNING Compressed air used for cleaning **MUST** be reduced to less than 30 psi, and then only with effective chip-guarding and personal protective equipment.

- Clean the electrical panels, electronic boards, contacts, connector, solenoid valves, etc. using a damp cloth and a cleaning agent.
- **Do not spray or pressure wash** in the compartment.

NOTE!

Risk of short-circuiting.
Electrical components can be damaged.
Do not break the warranty seal on the electronic board.

Maintenance

- Clean carefully using the minimum of water and detergent. **Never pressure wash** or **steam clean** in the compartments.

NOTE!

Risk of short-circuiting.
The electrical system can be damaged.
Electrical components must not be cleaned with a high pressure washing unit.

- Clean the motor compartment using a degreasing agent diluted to a suitable concentration.
- Rinse off loose grime using warm water.

Electrical components



- Blow electric motors dry using compressed air.

⚠ WARNING Compressed air used for cleaning **MUST** be reduced to less than 30 psi, and then only with effective chip-guarding and personal protective equipment.

- Clean the electrical panels, electronic boards, contacts, connector, solenoid valves, etc. using a damp cloth and a cleaning agent.
- **Do not spray or pressure wash** in the compartment.

NOTE!

Risk of short-circuiting.
Electrical components can be damaged.
Do not break the warranty seal on the electronic board.

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

- Thank you very much for reading the preview of the manual.
- You can download the complete manual from: www.heydownloads.com by clicking the link below



- Please note: If there is no response to CLICKING the link, please download this PDF first and then click on it.

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL