

# Operator Manual





# WARNING

**It's the law, you must be trained and certified to operate this truck.**

(OSHA § 1910.178, Rev. 1999)

You or others around you can be seriously injured or even killed if you don't use this truck correctly.

Read and obey all warnings and instructions in this Manual\* and on the truck.

A dockboard can move or drop while you are on it. Or you could drive off a dock. Falls from docks or dockboards can cause serious injury or even death. **Make sure you are safe.**

Inspect your truck before starting work, make sure it is in good working order.

\* Additional copies of this Operator Manual and all Truck Labels can be obtained from Crown Equipment Corporation, New Bremen, Ohio 45869 U.S.A.  
[www.crown.com](http://www.crown.com)

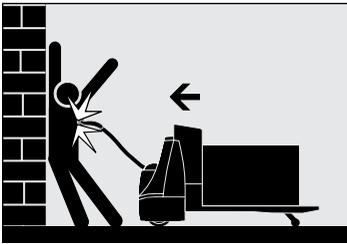
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# You Must be Trained

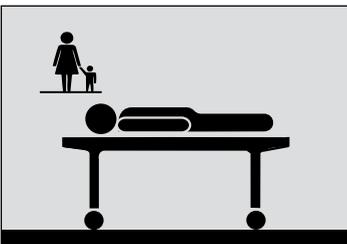


## IT'S THE LAW, YOU MUST BE TRAINED AND CERTIFIED

Federal law states that only properly trained operators are permitted to operate a powered industrial truck and that your employer must train you and certify that you are qualified to operate this powered industrial truck. (OSHA §1910.178, Rev. 1999)



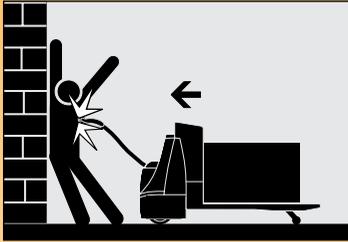
**Do not operate this truck** in your work place until you have been trained and certified by your employer.



**You could be killed or seriously injured** if you are not adequately trained for lift truck operation!

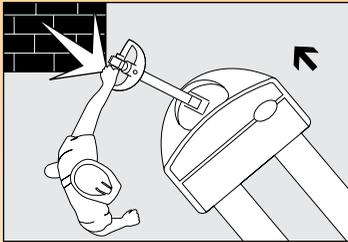
# Protect Yourself

## ! Know the Hazards



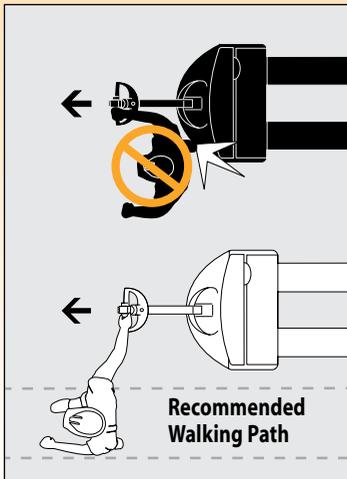
### LOOK WHERE YOU'RE GOING

Always be alert to the area around you and watch where you are walking. Be careful that you don't get pinned or crushed between the truck and a fixed object such as a wall or post.



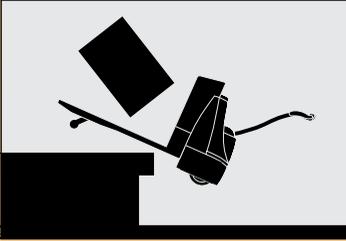
### USE YOUR TRUCK CAREFULLY

- Watch your hands and your feet. A foot or hand caught between the truck and a fixed object will be crushed or even cut off.
- Keep to the side of the truck while traveling power unit first. Make certain the truck won't hit your leg or foot. Don't let the truck run over your foot.
- When traveling forks first, keep both hands on the control handle and be careful when changing direction of travel. Keep your feet clear of the truck.
- Keep your truck under control at all times. Operate at a speed that allows you to stop safely. Be even more careful on slippery or uneven surfaces. Do not run over objects on the floor.
- Perform all truck movements smoothly and at a speed that will give you time to react in an emergency.





## Know the Hazards



### AVOID FALLS

Falls are very serious accidents, you can be crushed or even killed. The best way to prevent injury is to know where you are at all times and follow the rules of safe truck operation.

- Be extremely careful when working around docks, dockboards and trailers.
- Stay away from the edge of docks and ramps.
- Make sure dockboards are secure.
- Check that trailer wheels are chocked and the trailer is locked to the dock.



### USE YOUR TRUCK SAFELY

- Keep your hands and feet away from all moving parts such as forks or wheels.
- Never ride on the truck or allow anyone else to ride on the truck or load. There is no safe place to sit or stand.
- Before you leave your truck:
  - Lower the forks to the floor.
  - Shut the truck off with the key.

# Contents

Warning	2
You Must be Trained	3
Protect Yourself	4
Contents	6
What's in it for You?	7
Your Walkie Pallet Truck	8
Lift Truck Parts	10
Capacity Plate	12
Power On & Off	14
Braking & Brake Override	16
Raising & Lowering	18
Steering & Travel	19
Traveling & Plugging	20
Daily Safety Check	22
Be a Safe Operator	24
Power Sources	28
Lithium-ion Batteries	29
Charging Power Sources	30
Flooded Lead Acid Batteries	32
Warning Labels	35

## Traveling & Plugging



### TRAVEL

Move the Forward/Reverse Rocker in the direction you want to travel.

The farther you move the rocker from the neutral position, the faster the truck will move.



### HIGH TRAVEL SPEED

For high travel speed, turn the travel speed switch to the high speed position (●), and move the Forward/Reverse Rocker to the maximum travel speed position.



### PLUGGING

Plugging is another way to slow down your truck. While the truck is moving, in either direction, move the Forward/Reverse rocker through neutral to the opposite direction of travel.

Plugging will not hurt your truck.



### REVERSING BUTTON

If you accidentally hit the reversing button while working in close quarters, the truck will move in the direction of the forks until the button is released.

Be careful. The reversing button cannot prevent all injuries.

# What's in it for You?

## WHAT'S IN IT FOR YOU?

The better you understand your truck and how to use it, the better and safer operator you can be. Here are some guides to using this manual.

### QUICK LOCATORS

In addition to the "Contents" page you can use page headings to find topics. Some pages also have a picture of the truck in the corner showing features or functions covered on that page.

### "KNOW THE HAZARDS"

Watch for and read these special blocks. You will find information about possible safety hazards and how to avoid them.

### HOW-TO-DRAWINGS

On many pages you will find pictures as well as text to help you understand how to use your truck safely and productively.



#### HORN

Push the switch on the underside of the grips to sound the horn. Use it to warn pedestrians and other drivers.

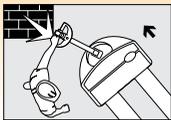
Use your horn when you come to an intersection or a crosswalk.

## Know the Hazards



#### LOOK WHERE YOU'RE GOING

Always be alert to the area around you and watch where you are walking. You could be pinned or crushed if you are caught between the truck and walls, racks or other fixed objects.



#### WATCH YOUR FEET AND HANDS

A foot or hand caught between the truck and a wall post or any fixed object will be crushed.

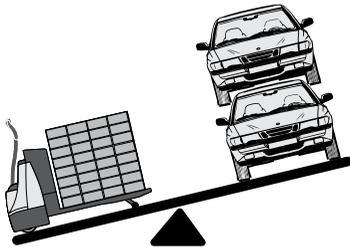
Keep your feet clear of the wheels.

Traveling C

# Your Walkie Pallet Truck

## WALKIE PALLET TRUCKS

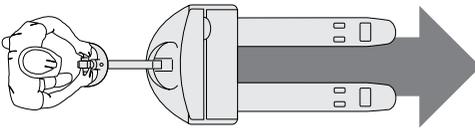
Your walkie pallet truck is designed to move loads over short distances and operate in areas with limited space.



## YOUR PALLET TRUCK IS NOT AN AUTOMOBILE

With a load it may weigh more than 2 automobiles.

- You don't steer the same.
- You don't brake the same.
- You don't accelerate the same.

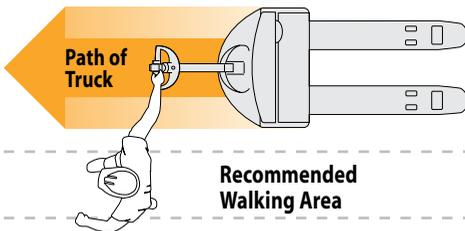


## HOW TO OPERATE YOUR TRUCK

### Forks First

When traveling forks first, use both hands to operate the control handle.

Watch your feet if you change direction of travel.



### Power Unit First

When traveling power unit first, stay to one side of the truck and slightly ahead of the power unit.

Use the hand closest to the truck to operate the control handle.

Watch your feet.

Stay out of the path of the truck.

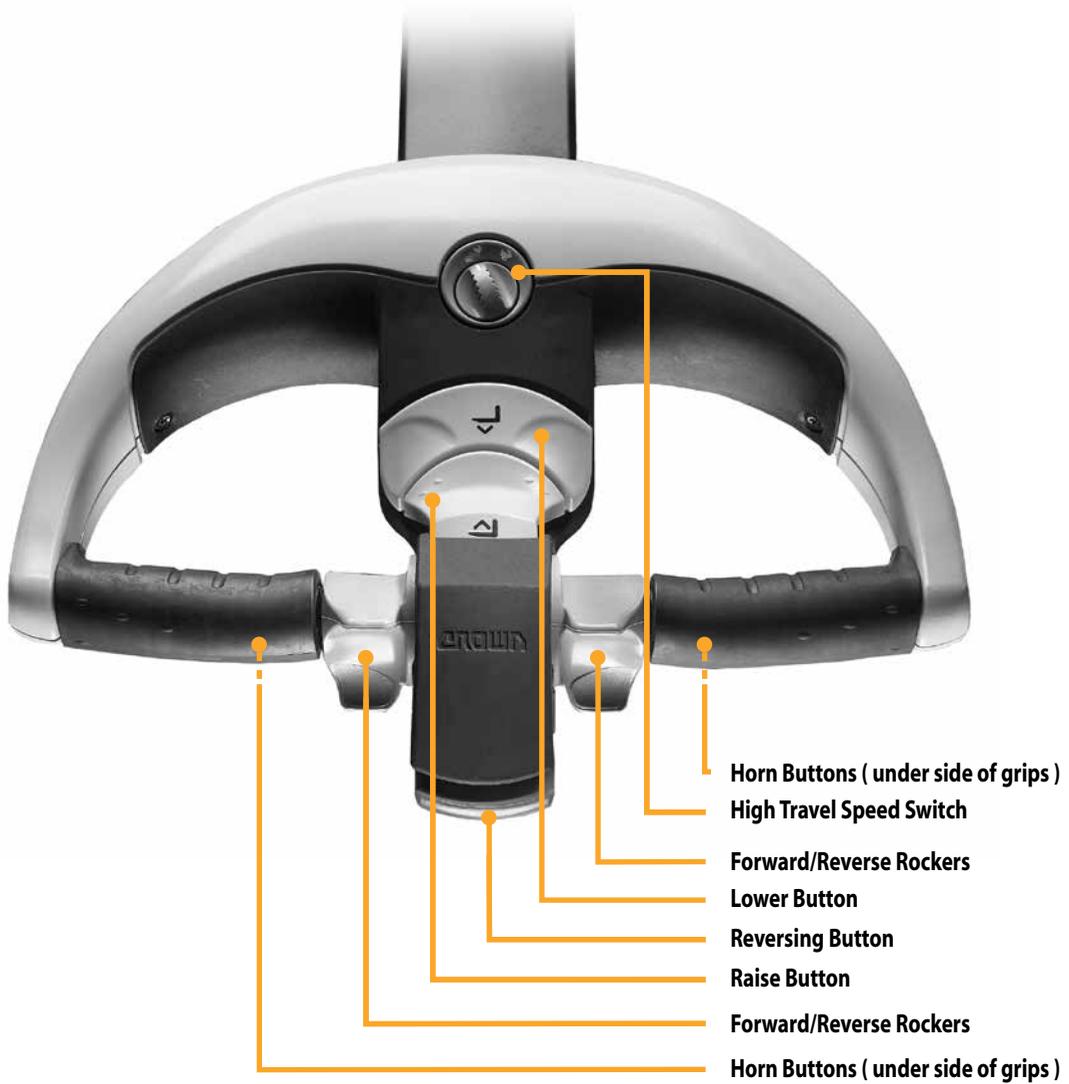
## BUILT TO STANDARDS

This truck was designed and built to current industry and government standards and guidelines. For more information see the following:

- American National Standards Institute (ANSI/ITSDF) B56.1 (Download free from [www.itsdf.org](http://www.itsdf.org))
- Occupational Safety and Health Act (OSHA) §1910.178, Rev. 1999
- Underwriters Laboratory (UL) 583
- National Fire Prevention Association (NFPA) 505



# Lift Truck Parts





**Horn Buttons**  
(under side of grips)

**Control Handle**

**Control Arm**

**Power Disconnect**

**Key Switch**

**Battery**

**Power Unit**

**Fork**

# Capacity Plate



## CAPACITY PLATE INFORMATION

The capacity plate is on the top of the power unit cover. It contains:

- Capacity information
- Truck type (a fire safety rating)
- Truck weight (does not include load)
- Grade rating
- Battery information
- Truck information

## SAMPLE CAPACITY PLATE

The information shown on this sample plate does not apply to your truck.

## WHAT IS YOUR TRUCK CAPACITY?

Capacity is the maximum load that can be lifted or transported with your truck. See the capacity plate on your truck. Make certain you use the correct units of measure.

 <b>WP</b> <b>3000</b> <b>SERIES</b>	Capacity with Equally Distributed Load	2040(4500)	Max. Grade	5
	Truck Weight with Max. Battery	645(1422)	Hour Rate	6
	Truck Weight Less Battery $\pm$ 5%	325(712)	Max. AMP Hr.	600
	Battery Weight		D.C. Voltage	24
	Min 85(185) Max 320(710)		Battery Type	E
	Truck Data Number	1234567890123456	Load Tire Tread Width	490(19.2)
	Model Number	WP3200XX	Truck Type	E
	Serial Number	A1234567 320		
	This truck as released conforms to the mandatory requirements of ANSI/ITSF B56.1 Crown Equipment Corporation New Bremen, Ohio 45869 USA			



## Know the Hazards

### **KNOW YOUR LOAD**

Do not exceed the capacity shown on your truck's capacity plate. Make certain you use the correct units of measure. Be careful when handling long, high or wide loads. Do not handle unstable loads.

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### **TRUCK WEIGHT**

Dockboards, elevators and some floors have limited capacity. Check your capacity plate for the weight of your truck. Remember to add the weight of the battery and the load you have on the forks.

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### **TRUCK TYPE**

Some truck types are not permitted in areas where there are fire hazards. Watch for marked areas. *You must not drive a type E or ES truck into an area restricted to EE or EX trucks.*

# Power On & Off



## KEY SWITCH

- Turn the truck on by turning the key to ON (green dot).
- Turn the truck off by turning the key to OFF (red dot). Always turn the key to off when leaving the truck.



## LITHIUM-ION TRUCKS

- Turn the truck on by turning the key to START (yellow dot) and hold until the battery charge meter turns on.
- Let go of the key and it will return to ON (green dot).
- Turn the truck off by turning the key to OFF (red dot) Always turn the key to off when leaving the truck.



## POWER DISCONNECT

Pull up on the battery connector handle to disconnect the battery and cut all power.

Always disconnect the battery any time the truck isn't working correctly. The key switch does not cut all power to the truck.

Don't use the truck if it's not working correctly. Notify your supervisor.



## BATTERY CHARGE METER

The green and yellow lights show how much charge is left in your battery. A flashing red light will warn you that the battery is getting low.

Two flashing red lights mean you must have the battery changed or recharged. This also means you will not be able to raise the forks.

A short charging cycle (opportunity charging) is permitted under certain circumstances. See instruction label on battery.

Maintenance Free batteries are designed for deep discharged cycling, but are capable of being charged at convenient times ("opportunity charging") to extend battery capacity to complete a shift or task. When the practice of "opportunity charging" is used, observe the following guidelines to achieve maximum battery life:

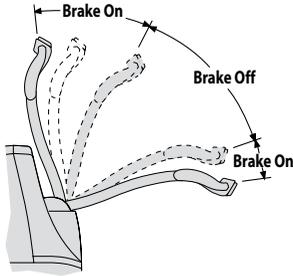
- Battery Pack should be between 30% - 60% depth of discharge.
- A minimum charge cycle of 30 minutes is recommended.
- For every minutes of charge, an equal time period is required for "cool down."
- Allow for a full charge once a week.
- Every 2 weeks allow for an equalizing charge of 10 to 12 hours following by an equal time period for "cool down."
- Do not allow discharged batteries to sit idle for periods greater than 48 hours.

A fully discharged battery pack (2 flashing red lights) will require approximately 8 hours to recharge, plus 8 hours cool down.

If a battery charging is interrupted, the Meter may indicate a fully charged battery when the truck is powered up. However the Meter will eventually (1 hour) adjust itself to indicate the correct battery state of charge.



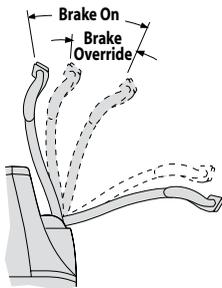
# Braking & Brake Override



## BRAKING

Move the control handle all the way down or all the way up to apply the brake.

When you let go of the control handle it will automatically go to the upper braking position. Check braking before you start working.



## BRAKE OVERRIDE

If you must move your truck while in a confined area, this feature allows you to override the brake and drive slowly while the handle is in the upper "Brake On" area.

With the handle in the "Brake Override" part of the braking area, first put the forward/reverse rocker in neutral, and then move it to the direction you want to travel.

Watch your feet. Make sure you don't get pinned between the truck and a fixed object. Stay out of the path of travel.

## Know the Hazards



### **MAKE SURE YOUR BRAKE WORKS**

Test the brake on your truck at the start of each shift. Know the distance it takes to stop before starting work.

If at any time the stopping distance is too long for you, don't use your truck. Notify your supervisor.

### **BE CAREFUL WHILE USING OVERRIDE FUNCTIONS**

Hands or feet caught between the truck and a fixed object will be crushed or even cut off. Stay out of the path of travel.

# Raising & Lowering



## **RAISE**

Push the Raise button until the forks are at the desired height. Release the button.



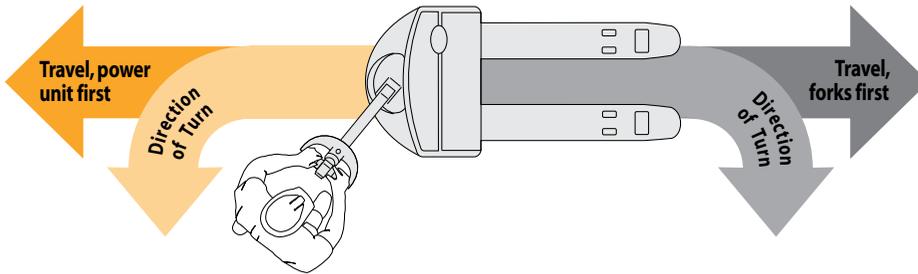
## **LOWER**

Push the Lower button until the forks are at the desired height. Release the button.

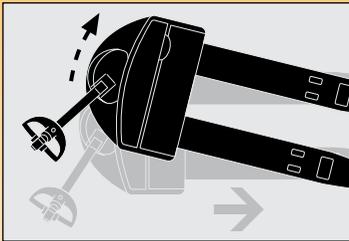
# Steering & Travel

## STEERING

You control steering by moving the control handle from side to side. *For example: This picture shows the directions the truck can turn when the control handle is moved to the approximate position shown.*



## Know the Hazards



### POWER UNIT SWING

Be careful turning while traveling forks first. The power unit will swing wide in the opposite direction. Make sure you have clearance, and watch out for people in the area.

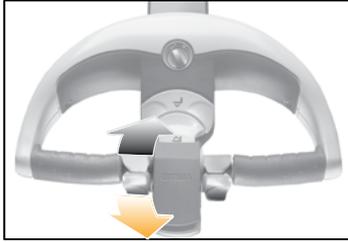


### SLOW DOWN FOR SPILLS OR WET FLOORS

Powder or liquid spills can cause slippery floors. Slow down or you could lose control of steering and braking. Be careful and allow for a longer stopping distance.

Don't run over objects on the floor.

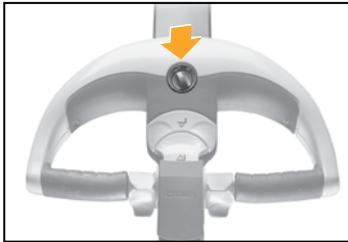
# Traveling & Plugging



## TRAVEL

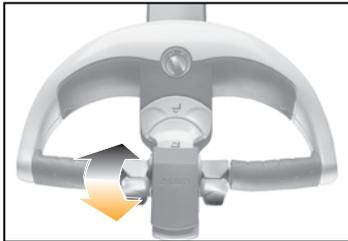
Move the Forward/Reverse Rocker in the direction you want to travel.

The farther you move the rocker from the neutral position, the faster the truck will move.



## HIGH TRAVEL SPEED

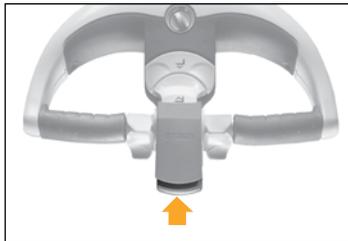
For high travel speed, turn the travel speed switch to the high speed position (👉), and move the Forward/Reverse Rocker to the maximum travel speed position.



## PLUGGING

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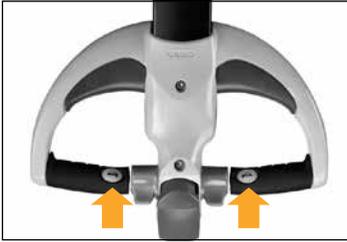
Plugging will not hurt your truck.



## REVERSING BUTTON

If you accidentally hit the reversing button while working in close quarters, the truck will move in the direction of the forks until the button is released.

Be careful. The reversing button cannot prevent all injuries.

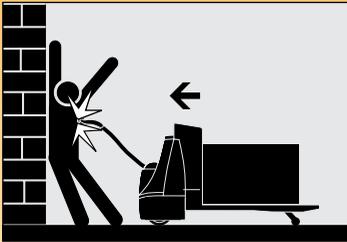


## HORN

Push the switch on the underside of the grips to sound the horn. Use it to warn pedestrians and other drivers.

Use your horn when you come to an intersection or a crosswalk.

## Know the Hazards

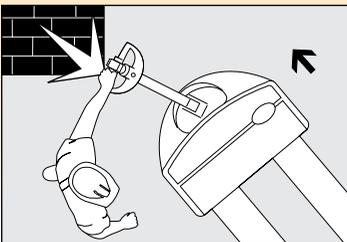


### LOOK WHERE YOU'RE GOING

Always be alert to the area around you and watch where you are walking. You could be pinned or crushed if you are caught between the truck and walls, racks or other fixed objects.

Driver distractions can cause accidents resulting in injury or even death.

- Don't use cell phones or similar devices while operating the truck.
- Travel in the direction where you have the best visibility.



### WATCH YOUR FEET AND HANDS

A foot or hand caught between the truck and a wall, post or any fixed object will be crushed or even cut off. Keep your feet clear of the wheels.

# Daily Safety Check

## **CHECK YOUR TRUCK BEFORE STARTING WORK**

You must make sure your truck is safe to use.

### **1. Walk around your truck and check it over.**

- Make sure batteries are charged. Check water level in serviceable batteries and see that vent caps are in place. Don't use an open flame to check the batteries.
- Inspect battery cables and connectors for damage or corrosion.
- See that all wheels are in good condition.
- Clean the control handle.
- Check that both forks are secure, straight and not cracked or badly worn.
- See that the load backrest is in place and secure, if your truck has that option.
- Check under the truck for signs of hydraulic leaks.
- Test the horn.
- Make sure the power disconnect works.
- Make certain all controls work smoothly.

## **2. Test your truck in an uncongested area**

- Test the hydraulic functions.
- Check the steering.
- Operate the truck slowly in both directions
- Operate through the full speed range in both forward and reverse.
- Check braking distance in forward and reverse. Load size and floor conditions can affect these distances.
- Know the distance it takes to stop before you start working. If the braking distance is too long for you, don't use your truck.

**If anything doesn't look, work, feel, or sound right, don't use your truck. Notify your supervisor.**

*You can get checklist forms from your Crown dealer (part no. OF-3772). Used properly, this checklist can alert service people to needed repairs.*

# Be a Safe Operator



*The most  
important  
component  
is you.*

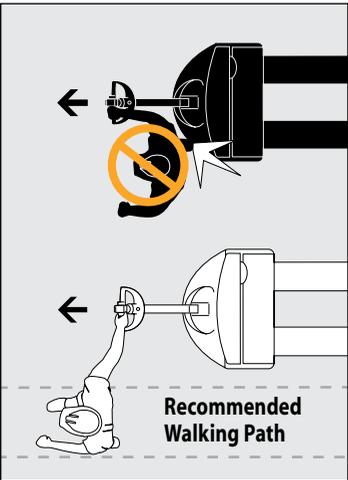
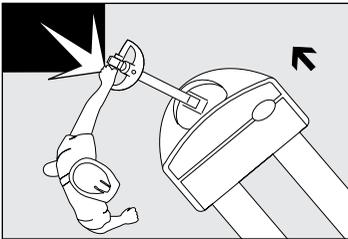
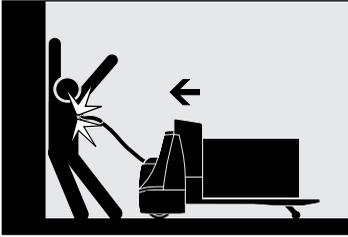


## **MAKE SURE YOU ARE READY**

- Do not use this truck unless you are trained and certified.
- Be certain you understand how your truck works and the hazards that go with it. Don't use the truck if you have any doubts.
- Know the capacity of your truck. Make certain you use the correct units of measure.
- Some trucks are not allowed in areas where there are fire hazards. Be certain your truck is the correct fire safety type for the area.
- Make sure your hands and shoes are clean and dry, and your clothing is proper for the job.

## **MAKE SURE YOUR TRUCK IS READY**

- Inspect your truck before using it (see pages 19 and 20). If it's not working correctly, or something is broken, notify your supervisor. Don't use your truck.
- In an open area, test the braking. Check at a slow travel speed first, then a faster one. Know the distance it takes to stop before you start work.

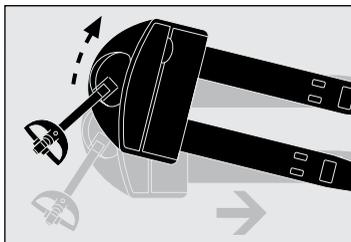


### USE CAUTION, BE ALERT

- Watch where you're walking. Don't let any part of your body get pinned or crushed between the truck and a fixed object. Be even more careful when using the brake override feature. Stay out of the path of travel.
- Stay to the side of the truck when traveling power unit first. Make sure the truck won't hit your leg or run over your foot.
- When traveling forks first, keep both hands on the control. Be careful when changing direction. Keep your feet clear of the truck.
- Travel in the direction that gives you the best view. Look where you are going and slow down in congested areas.
- Slow down for wet or slippery floors. Don't run over objects. Watch out for rough floors.
- Look where you are going before you change direction of travel.
- See that you have room to turn. Watch out for power unit swing.
- Slow down when making turns.
- Avoid sudden movement of controls. Learn to use them smoothly at a moderate, even rate.
- Be extra careful if you must use your truck in an area where there is a risk of falling objects.
- Never ride on your truck or allow anyone else to ride on the truck or load.

*Continued next page...*

# Be a Safe Operator continued

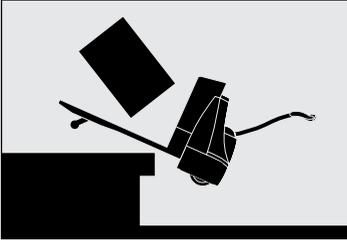


## WATCH OUT FOR OTHER PEOPLE

- Slow down. Yield or stop for pedestrians.
- Use your horn when you come to a crosswalk or intersection.
- Be careful that you don't pin or crush someone. *For example: Never move your truck toward anyone standing in front of a fixed object.*
- Never allow anyone to ride on your truck or the load.
- Keep others away from your truck while you're working.
- Don't let anyone use your truck unless they are trained and certified.
- Watch out for power unit swing.

## WHEN LEAVING YOUR TRUCK

- Lower the forks and turn the truck off.
- Avoid parking on inclines. If you must park on an incline, chock the wheels to prevent the truck from moving.



### **AVOID FALLS**

- Stay away from the edge of docks and ramps.
- Check that bridgeplates and dockboards are secure. Be certain that either the trailer wheels are chocked or the trailer is locked to the dock. Check capacities. Be sure your truck, with load, isn't too heavy for where you are operating.
- Properly install jack stands under the front of the trailer when a tractor is not attached.
- Make sure the load you are moving is stable. Center the load. Be even more careful with long, high or wide loads. They can be less stable.
- Don't take your truck onto an elevator unless you are authorized. Check the capacity or load limit and make sure there are no people present. Enter load first and set the brake.

### **BE CAREFUL TRAVELING ON RAMPS AND GRADES**

- Stay out of the path of the truck.
- With or without a load, travel with the forks pointed downgrade.
- If a load requires that you travel with the forks upgrade, be even more careful. Operate the controls from the side of the truck.
- Slow down and don't turn on ramps or grades.

# Power Sources

## **POWER SOURCES**

Your truck can be designed to use the following power sources:

- Flooded Lead Acid Batteries
- Thin Plate Pure Lead Acid Batteries (TPPL)
- Lithium-Ion Batteries

If your truck is equipped with a V-Force Lithium-ion battery, see the data plate installed on your truck.

Only Crown approved power sources are permitted to be used in your truck. Only authorized service personnel are permitted to modify the power source installed in your truck.

See the power source data plate for the approved power source installed in your truck.

**Note:** Follow the manufacturer's specification and instructions when handling power sources.

## **WORKING WITH POWER SOURCES**

Your company should provide an area that is safe to work on power sources. Use that area for all power source work and charging.

- Do not charge or refuel a power source unless you are trained and authorized.
- Do not remove or install a power source unless you are trained and authorized.

## **THIN PLATE PURE LEAD ACID BATTERY (TPPL)**

When the energy level is low, an alarm will sound. Charge the battery as soon as possible.

Opportunity charge during breaks or whenever the truck is not being used.

# Lithium-ion Batteries



## LITHIUM-ION BATTERIES

For trucks equipped with a V-Force Lithium-ion battery, the energy status is shown on the truck display.

Trucks qualified and approved to operate with another lithium-ion battery can have a separate display. Use the display installed on the battery to see the energy status.

## BEFORE CHARGING POWER SOURCES

- Read the instructions for the charger and power source.
- Make sure that the charger has the correct voltage and amperage for the power source.
- Only charge a power source in an authorized area.

## CHARGING A S8 V-FORCE™ LITHIUM-ION BATTERY

1. Turn off your truck. Do not disconnect the battery.
2. Pull out the extension cord and plug it into the AC outlet.
3. Follow the charging instructions for the V-Force lithium-ion battery.



## Know the Hazards

### AVOID DAMAGING THE POWER SOURCE

Do not operate trucks with lithium-ion batteries in freezing temperatures. Do not leave trucks in freezing temperatures.

Always follow the battery manufacturer's instructions.

# Charging Power Sources



## **BATTERIES**

Your truck may have a single industrial battery, a battery pack containing four automotive style batteries, or a lithium-ion battery.

Check all batteries daily unless sealed, maintenance-free or lithium-ion batteries have been selected.

## **BEFORE CHARGING POWER SOURCES**

- Read the instructions for the charger and power source.
- Make sure that the charger has the correct voltage and amperage for the power source.
- Only charge a power source in an authorized area.

## **EXTERNAL CHARGERS**

To use a separate external charger, follow the directions on the charger provided.

## **ON-BOARD CHARGERS**

To use a charger built into the truck you must first have access to an AC electrical outlet. To charge the batteries:

- Turn the truck off. Do not disconnect the battery.
- Use an extension cord less than 7.5 meters (25 ft) long, with a wire size of 16 AWG or heavier.
- Plug one end of the extension cord into the charging socket on the console.
- Plug the other end of the cord into the AC outlet.
- Check the charging lights on the console.



### WHAT THE LIGHTS MEAN

- A steady yellow light means there is power to the charger. If the light does not come on, or goes out, make sure the AC outlet is working and the extension cord is OK.
- A flashing yellow light means something is wrong with a battery or the charger. Notify your supervisor.
- A flashing green light means the charger is working.
- A steady green light means charging is finished.



## Know the Hazards

**! DANGER**

**Batteries produce explosive gas.**  
Do not smoke, use open flame, or create an arc or sparks near this battery. Ventilate well in enclosed areas and when charging.

Batteries contain **Sulfuric Acid** which causes severe burns. Do not get in eyes, on skin, or clothing. In case of contact, flush immediately. Get medical attention if your eyes are affected.

### BEFORE CHARGING YOUR TRUCK BATTERIES

- Charge the battery only in areas designated for that use.
- See that cells of serviceable lead acid batteries are filled to the proper level. Never use an open flame to check batteries.
- Make sure the truck key switch is turned OFF and all controls are in the off or neutral position.
- For a built-in charger, make certain the AC outlet is the same voltage as the battery charger.
- For an external charger, make certain the charger is the same voltage and amperage as your battery(s).  
Read the battery charger instructions.  
Be sure the charger is turned OFF before connecting the battery to the charger. Otherwise you might create a spark which could cause a battery to explode.

### AVOID DAMAGING THE TRUCK AND BATTERY CHARGER

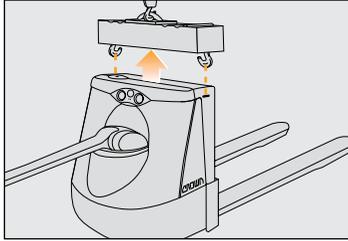
Make sure that the battery charger is plugged into the battery connector, not the truck connector.

### AVOID DAMAGING THE BATTERY

Batteries that are not properly maintained will fail prematurely.

Always follow the battery manufacturer's instructions.

# Flooded Lead Acid Batteries



## WHEN YOU INSTALL OR CHANGE INDUSTRIAL BATTERIES

- Turn the truck OFF and disconnect the battery.
- Make certain you use the correct size and weight battery. Never operate a truck that has an underweight or undersized battery installed.
- Never let anything metal touch the top of the cells. You could cause sparks or do damage to the battery. Use an insulator (such as plywood) when necessary.
- Use an approved spreader bar to place a battery in, or remove it from, the battery compartment. Make sure you adjust the spreader bar hooks to fit the battery.
- Connect the new battery. Turn the truck ON and check truck operation.

Contact your supervisor to install or change a lithium ion battery.

## Know the Hazards

 **DANGER**

**Batteries produce explosive gas.**  
Do not smoke, use open flame, or create an arc or sparks near this battery. Ventilate well in enclosed areas and when charging.

**Batteries contain Sulfuric Acid** which causes severe burns. Do not get in eyes, on skin, or clothing. In case of contact, flush immediately. Get medical attention if your eyes are affected.



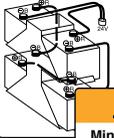
### TRUCK BATTERIES CAN BE DANGEROUS

Lead acid truck batteries produce a gas that can explode.

They also contain acid that could burn or disfigure you.

- Do not try to install, remove, charge or service a truck battery unless you are trained and authorized.
- Never smoke or use an open flame around batteries.
- Your company should provide an area where it is safe to work on batteries. Use that area for all battery work.
- Use protective equipment such as gloves, eye shields, aprons, etc.

 **WARNING**



**Recommended battery size**  
175 to 185mm (6.9 to 7.3 in) wide  
265 to 305 (10.4 to 12.1) long  
225 to 285 (8.8 to 11.3) high  
Min. batt. wt. 22.7kg (50lbs) each.  
Undersize and underweight batteries can

 **WARNING**

**Minimum battery size allowed**  
**XXX mm (XX.XXin.) wide**  
**XXX mm (XX.XX in.) long**

Undersize battery can affect truck handling and stability. You could have an accident.  
Use U.L. classified Type E battery

### BATTERY SIZE IS IMPORTANT

Make certain you use the correct size, weight and type of battery. Never operate a truck that has an underweight or undersized battery installed.



# Warning Labels



## EACH WARNING LABEL ON YOUR TRUCK IS IMPORTANT

Read and obey all of them to protect yourself and others.

**⚠ WARNING**

**STOP** It's the law, you must be trained and certified to operate this truck.  
(OSHA § 1910.178, Rev. 1999)

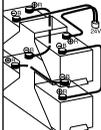
You or people around you could be seriously injured or even killed if you don't use this truck correctly.

Obey all instructions & warnings in the operator manual and on the truck.

Inspect your truck before starting work, make sure it's in good working order.

\* Additional copies of the Operator's Manual and Warning Labels can be obtained from Crown Equipment Company, New Bremen, OH

**⚠ WARNING**



**Recommended battery size**  
175 to 185mm (6.9 to 7.3 in) wide  
265 to 305 (10.4 to 12.1) long  
225 to 285 (8.8 to 11.3) high  
Min. batt. wt. 22.7kg (50lbs.) each.

Undersize and underweight batteries can affect vehicle handling and stability. You could have an accident. You could be injured or killed.

Connect batteries correctly.

**⚠ WARNING**

**Battery size allowed**  
X.XX in.) wide  
X.XX in.) long

Undersize and underweight batteries can affect vehicle handling and stability. You could have an accident. You could be injured or killed.

Connect batteries correctly.

Type E battery.

**⚠ DANGER**



**Batteries can produce explosive gas.** Do not smoke, use open flame, or create an arc or sparks near this battery. Ventilate well when in an enclosed area and when charging.

This battery contains **Sulfuric Acid** which causes severe burns. Do not get in eyes, on skin, or clothing. In case of contact, flush immediately and thoroughly with water. Get medical attention if your eyes are affected.

20-A

**⚠ WARNING**



Riding on this truck could cause serious injury.

**No Riding.**

38

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3000 SERIES

*This operator manual  
has information for  
all models of series  
WP 3000 plus some options  
and accessories. Some of the  
illustrations and information  
may not apply to your truck.*



*The most important component is you.*



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