

Operator Manual



Power Steer



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.

Head, arms, hands, legs or feet outside the operator area can be pinned or crushed whenever the truck is moving. Stay within the operator area and **stop the truck completely before getting on or off.**

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.

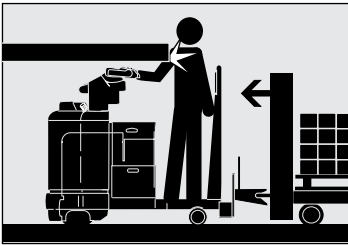
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You Must be Trained

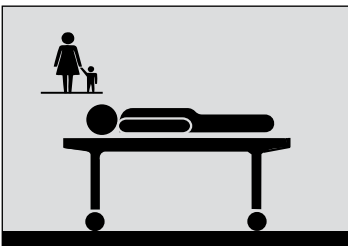


IT'S THE LAW, YOU MUST BE TRAINED AND CERTIFIED

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)



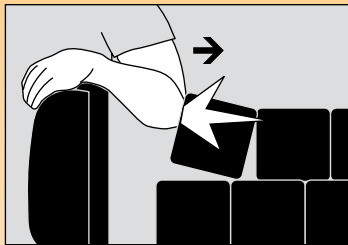
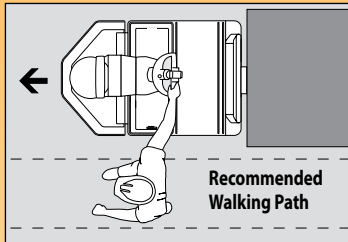
Do not operate this truck in your work place until you have been trained and certified by your employer.



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

Protect Yourself

⚠ Know the Hazards

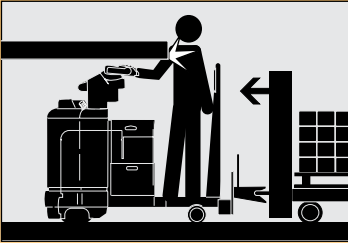


DRIVE CAREFULLY

- When allowing the truck to coast, travel power unit first only. Do not turn. Keep to the side of the truck. Make certain the truck won't hit the back of your leg or foot. Don't let the truck run over your foot.
- When riding, keep your hands on the controls and feet on the platform. Keep your body within the operator area.
- Don't put hands or arms over the backrest.
- Never stick a foot or any part of your body outside the truck, no matter how slow the truck is moving. You cannot stop 900 kg or (2,000 lbs) with any part of your body. A foot or hand caught between the truck and a fixed object will be crushed or even cut off.
- Never place objects anywhere on the operator platform. They would be a trip hazard and could affect truck speed.
- Stay away from the edge of docks and ramps. Make sure dockboards are secure. Check that trailer wheels are chocked. You could be seriously injured or even killed in a fall from a dock or dockboard.
- Keep your truck under control at all times. Drive at a speed that allows you to stop safely. Be even more careful on slippery or uneven surfaces. Do not drive over objects on the floor.
- Perform all truck movements smoothly and at a speed that will give you time to react in an emergency.



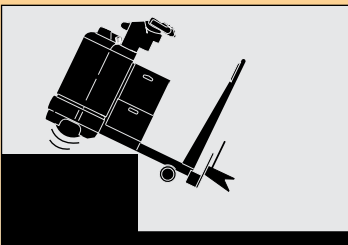
Know the Hazards



LOOK WHERE YOU'RE DRIVING

Always be alert to the area around you and watch where you are driving. You could be pinned or crushed by fixed objects, or by objects intruding or poking into the operator area.

When allowing the truck to coast, make certain the area ahead of you is clear.



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. Unless you can safely jump completely clear of the falling truck, there is no sure way to avoid injury if you drop from a dock or dockboard.

Be extremely careful when working around docks, dockboards and trailers.



USE YOUR TRUCK SAFELY

- Keep your hands and feet away from all moving parts such as coupler or wheels.
- Never allow passengers anywhere on the truck. There is no safe place for them.
- Before you leave your truck:
 - Come to a complete stop.
 - Shut the truck off with the key or disconnect the battery.
 - Make certain the brake is applied and the truck will not coast.

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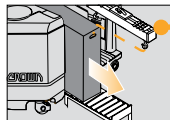
Battery Maintenance



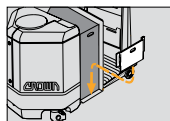
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31 Battery Maintenance

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

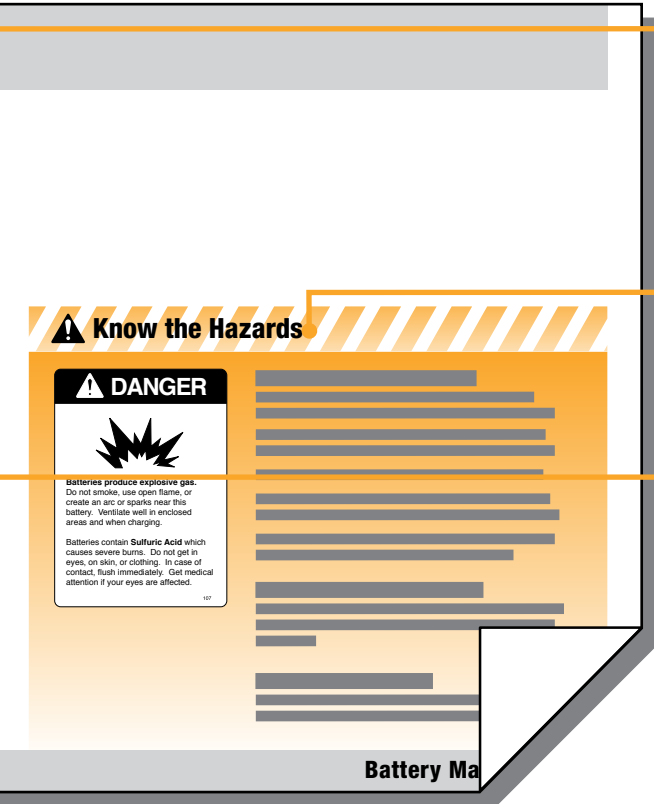
In addition to the "Contents" page you can use page headings to find topics. Some pages also have a picture of the truck in the corner showing features or functions covered on that page.

"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.



Your Rider Tow Tractor

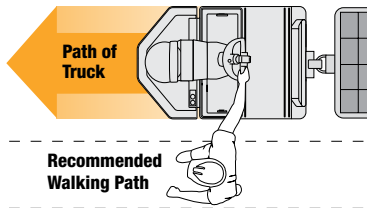
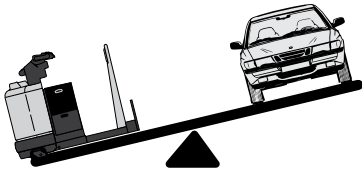
RIDER TOW TRACTOR

As a rider your truck to is designed to tow loads over long distances. You can also use it as a walk-beside truck when picking stock.

YOUR TOW TRACTOR IS NOT AN AUTOMOBILE

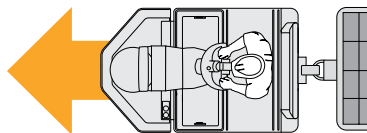
It may weigh more than an automobile, even without a load.

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



HOW TO DRIVE WHEN COASTING

- Travel power unit first only. Do not turn. Stay to one side of the truck. Use the hand closest to the truck to operate the control handle.
- Watch your feet. Stay out of the path of the truck.
- Make certain the area ahead of you is clear.



HOW TO DRIVE YOUR TRUCK WHILE RIDING

Keep both feet on the platform. Place both hands on the control handle. Keep your entire body within the operator area.

GIVE YOUR BODY A BREAK

Take advantage of stop time. Flex your arms and legs. Staying alert will help you be a better and safer driver.

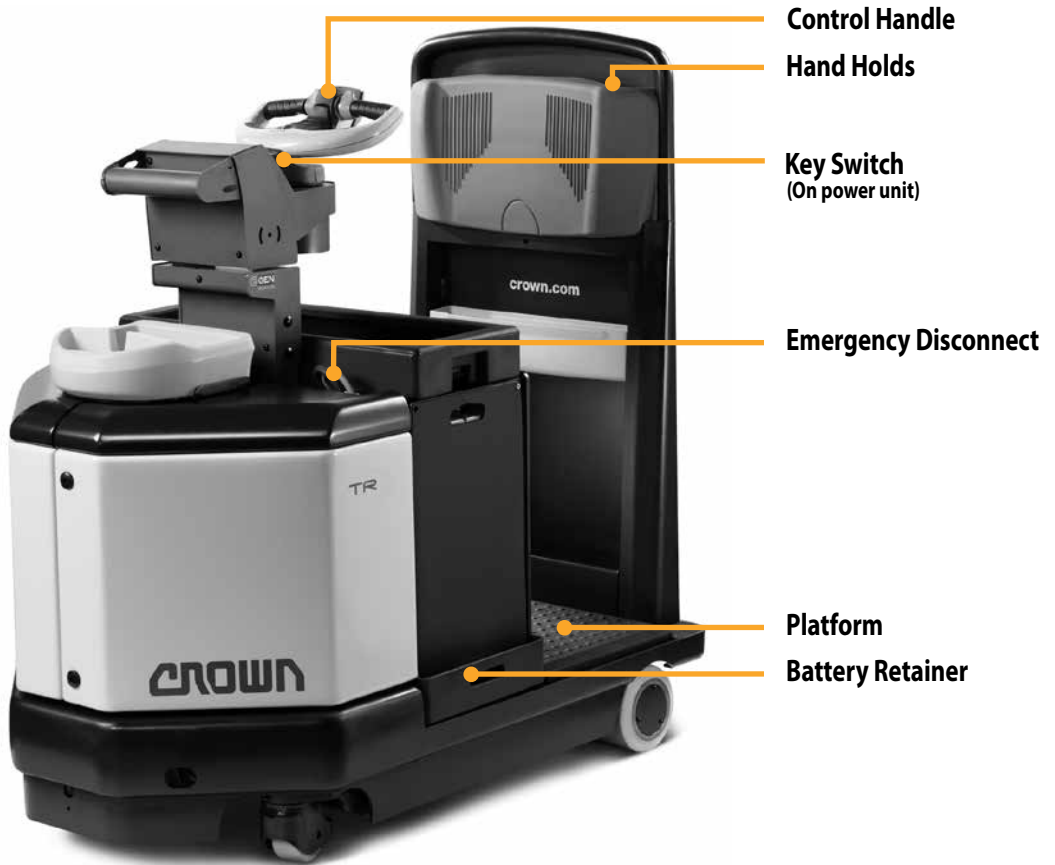


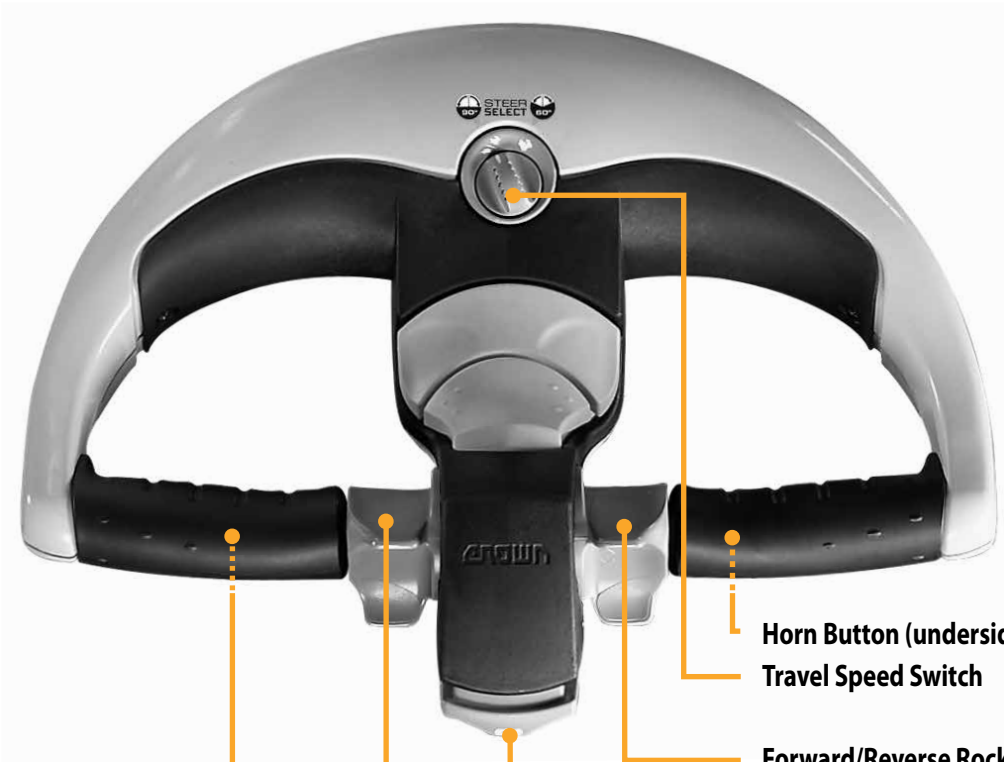
BUILT TO STANDARDS

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)
- Occupational Safety and Health Act (OSHA) §1910.178, Rev. 1999
- Underwriters Laboratory (UL 583)
- National Fire Prevention Association (NFPA 505)

Tow Tractor Parts





Horn Button (underside, hidden in view)

Travel Speed Switch

Forward/Reverse Rockers

Brake Button

Forward/Reverse Rockers

Horn Button (underside, hidden in view)

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
- Maximum grade rating
- Battery information
- Truck information

WHAT IS YOUR TRUCK CAPACITY?

Capacity of your truck is shown as Normal Drawbar Pull. (For normal conditions, 225N or 50lbs of drawbar pull is required to tow 905kg or 2000 lbs). See the capacity plate on your truck.

SAMPLE CAPACITY PLATE

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

	Units of measure, N/kg/mm (lb/in)		Truck Data Number	Max Grade
	Drawbar Pull	890N(200) Norm 2825N(635) Max	1234567890123456	5 %
	Truck Weight with Max. Battery	1225(2700)	Min 370(815) Max 635(1400)	Hour Rate
	Truck Weight with Less Battery ± 5 %	590(1300)	Model Number	D.C Voltage
	Serial Number	A12345678	TR4540-200	24
	Truck Type	E	Battery Type	Rated Coupler Height
This truck as released conforms to the mandatory requirements of ANSI/ITSDF B56.1 Crown Equipment Corporation New Bremen, OH 45869 USA			300(12)	Max. AMP Hr.
			E	600

Note: ANSI B56.1 requires that all data be shown first in Metric units and then USA units.



Know the Hazards

KNOW YOUR LOAD

Do not exceed the capacity (normal drawbar pull) shown on your truck's capacity plate. Make certain you use the correct units of measure. Do not tow unstable loads.

TRUCK TYPE

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

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 are towing.

Display



BATTERY CHARGE DISPLAY

The green bars show how much charge is left. Have the battery changed or recharged if the yellow light is flashing.

MESSAGE PANEL

Displays truck information such as: hours of operation, event codes along with instructions, battery charge and other data.

PERFORMANCE SETTING

Indicates the level that your company has programmed this truck to operate at.

ENTER OR RETURN BUTTON

Use to navigate in and out of menus and select inputs.

NAVIGATION BUTTONS

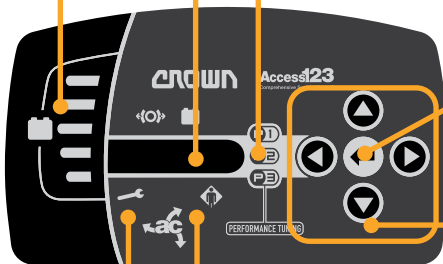
Up, Down, Left and Right Arrows are used to scroll through menus.

EVENT CODE LIGHT (OPERATOR CORRECTABLE)

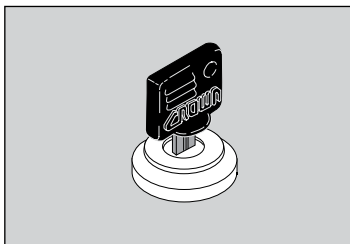
The display light shows a detected event which the operator can correct. See the display for instructions.

EVENT CODE LIGHT (SERVICE REQUIRED)

The display shows the code for a detected event which requires service. Contact your supervisor or service department.



Power On & Off

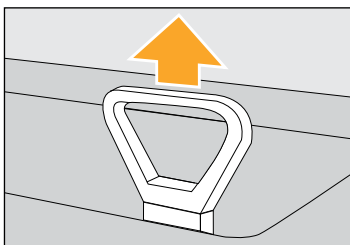


KEY SWITCH

Turn the truck on by turning the key clockwise to ON. Check that all display lights are working.

Turn the truck off by turning the key counterclockwise to OFF.

Always turn the key off when leaving the truck.



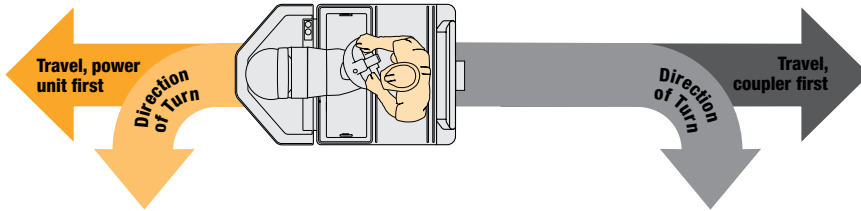
EMERGENCY DISCONNECT

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

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

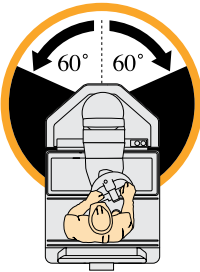
Don't use the truck if it's not working right. Report the problem to your supervisor.

Steering & Travel



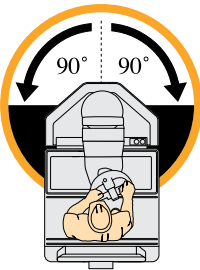
STEERING

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.



STEERING AT HIGH TRAVEL SPEED

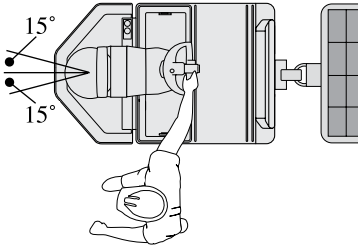
When the travel speed switch is in the high travel speed position (👉), steering is set to 60° each way of center for smooth operation at higher travel speeds.



STEERING AT MANEUVER SPEED

When the travel speed switch is in the low travel speed position (👈), 90° of steering each way of center is available for maneuvering in confined spaces.



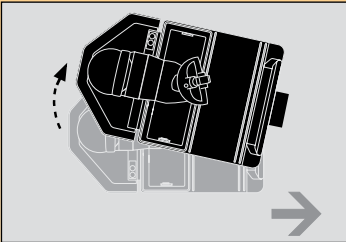


STEERING WHILE WALKING OR COASTING

Anytime the operator is off the platform, steering is reduced to 15° each way of center.



Know the Hazards



POWER UNIT SWING

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

Keep your hands and feet in the operator area.

Warning: Never place objects anywhere on the operator platform. They would be a trip hazard and could affect truck speed and steering.



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.

Coasting



COASTING

Coasting can make it easier for you to pick loads while walking to the side of the truck.

The ability to coast is standard. The coasting distance can be adjusted by your service personnel.

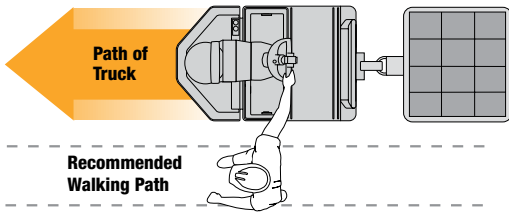
When you let go of the forward and reverse rocker the brake is partially applied to allow the truck to coast to a controlled stop.

However you can apply the brake by pressing the brake button on the control handle.

Be even more careful when allowing the truck to coast. Make sure you understand the possible hazards. Don't place yourself or others at risk.

When moving from the riding position to the walk beside or coast position, stop your truck completely before getting off.

Never get on or off the truck while it is moving.



WHEN WALKING OR COASTING

- Travel power unit first only. Do not turn.
- Stay to the side of the truck and load. Keep your arm extended to give maximum clearance between you and the truck or load. Keep your feet clear.
- Make sure the area ahead of you is clear.

Note: When you are off the platform, travel is always in low speed, and steering is reduced to +/- 15 degrees.

WHEN RIDING

Stop your truck before getting on or off.

Know the Hazards



COASTING REQUIRES EVEN MORE CAUTION

- Floors must be level and free of obstacles.
- Never allow the truck to coast into a cross aisle.
- Do not coast in pedestrian walkways.
- Watch out for people and other trucks.
- Do not walk in the path of a coasting truck. Stay to the side of the truck and load. Keep your arm extended and your feet clear.
- When coasting, travel power unit first only. Do not turn.
- Always stop your truck before getting on or off.

Braking



BRAKING

To apply the brake, press the brake button on the end of the control handle. The truck will continue to brake to a stop even if the brake button is released.

PARKING BRAKE

The parking brake is automatically applied when the key switch is turned off, the battery is disconnected or after the truck comes to a stop.

The parking brake is released when the Forward/Reverse rocker is moved in the direction 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 you start working.

If at any time the stopping distance is too long for you to stop safely, don't drive the truck. Report any problem to your supervisor.

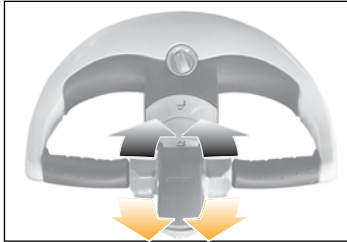
SIMILAR LOOKING TRUCKS CAN BE DIFFERENT

Your company has selected the options which are best for your work area.

If you ever drive a different truck, even one that looks just like yours, be careful. It may not have the same controls, functions, or options.

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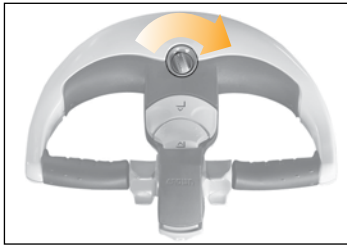
Traveling & Plugging



TRAVEL

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

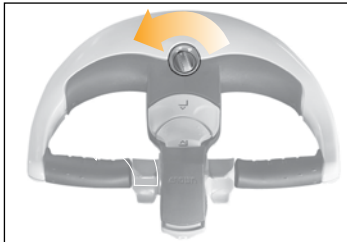
The farther you move the rocker from the neutral position, the faster the truck will move.



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.

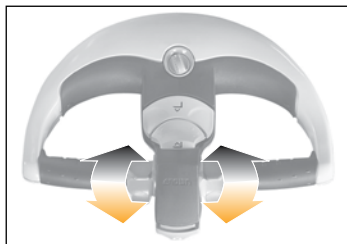
Steering performance is set at 60° each way of center for smooth operation at higher speeds.



MANEUVERING SPEED

For maneuvering and traveling in congested areas, turn the travel speed switch to the low speed position (←).

The display message panel will show **MANEUVER**. 90° of steering each way of center is available for maneuvering in confined areas.



PLUGGING

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

Plugging will not hurt your truck.



Know the Hazards



WATCH YOUR FEET AND HANDS

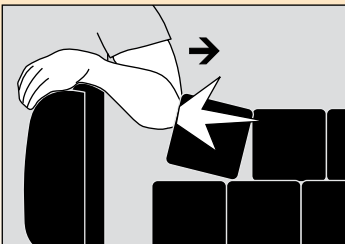
- While riding, keep your feet on the platform and hands on the controls at all times. This truck weighs over 900kg or (2000 lbs.). You cannot stop or even slow it down with your foot, hand or any part of your body, no matter how slow the truck is moving.



LOOK WHERE YOU'RE GOING

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

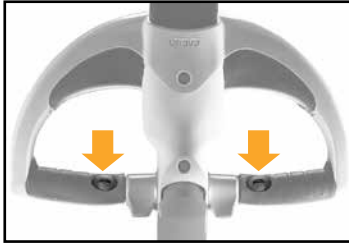
- Don't use cell phones or similar devices while operating the truck.
- Travel in the direction where you have the best visibility.
- Always be alert to the area around you and watch where you are driving.
- Any part of your body caught between the truck or load, and any fixed object, can be crushed.
- You could also be seriously injured by objects intruding or poking into the operator area.
- Don't put hands or arms over the backrest.



BRAKING VS. PLUGGING

Of the two, braking is designed to stop the truck in the shortest distance. Use braking in an emergency, on ramps or in busy areas.

Traveling & Plugging



HORN

Push the switch on the underside of either grip 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

SIMILAR LOOKING TRUCKS CAN BE DIFFERENT

Your company has selected the options which are best for your work area.

If you ever drive a different tractor, even one that looks just like yours, be careful. It may not have the same control handle, functions, or other options.

Operation and performance may vary.

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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.

- Check to make sure the battery is charged.
- After checking water level, be sure vent caps are in place. Don't use an open flame to check the battery.
- Make certain the battery retainers on both sides of the truck are properly installed.
- See that all wheels are in good condition.
- Clean the control handle and hand holds.
- Make certain there are no objects placed anywhere on the operator platform.
- Be sure the coupler is working properly.
- Look under the truck for signs of oil leaks.
- Try the horn.
- Make sure the power disconnect works.
- Check that all controls work smoothly.

2. Test drive your truck in an uncongested area.

- To check power steering: Turn the truck on. Step onto the platform. Steering should be difficult for a second and then become easier.
- Drive the truck slowly in both directions.
- Check braking distance in both directions. Load size and floor conditions can affect these distances.
- Drive through the full speed range in both directions.
- Know the distance it takes to stop before you start working. If the braking distance is too long to stop safely, don't drive the truck.
- Check parking brake operation.

If anything doesn't look, work or feel right, don't drive the truck. Report the problem to your supervisor.

You can get checklist forms from your Crown dealer (part no. OF3772). Used properly, this checklist can alert service people to needed repairs.

Be a Save Driver



**The most
important
component
is you.**

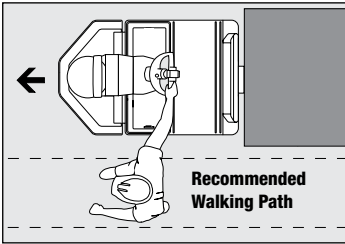


MAKE SURE YOU ARE READY TO DRIVE

- 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 drive 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.

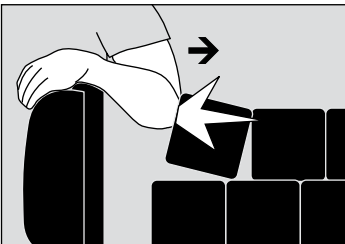
MAKE SURE YOUR TRUCK IS READY

- Inspect your truck before using it. If it's not working right, or something is broken, report the problem to your supervisor. Don't use the 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.
- Make certain there are no objects stored anywhere on the operator platform. They would be a trip hazard and could affect truck speed and steering.



WHEN COASTING

- Travel power unit first only. Do not turn.
- Stay to the side of the truck and load. Keep your feet clear.
- Be certain the area ahead of you is clear.



WHEN RIDING

- Never stick a foot or any part of your body outside the operator area, no matter how slow the truck is moving.
- Don't put your hands or arms over the backrest. Keep your hands on the controls and feet on the platform.
- Never ride on any part of the truck other than the operator platform.
- Stop your truck before getting on or off.



DRIVE CAUTIOUSLY, BE ALERT

- Look where you are going. Don't let any part of your body get pinned or crushed. Don't get caught between the truck, or load, and a fixed object.
- Travel in the direction that gives you the best view. Slow down in congested areas.
- Slow down for wet or slippery floors. Don't run over things.
- Look where you are going before you change direction of travel.
- 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.

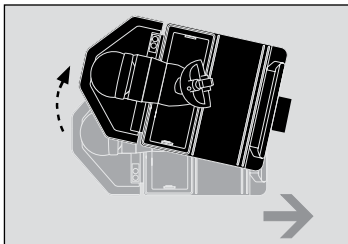
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Be a Safe Driver continued



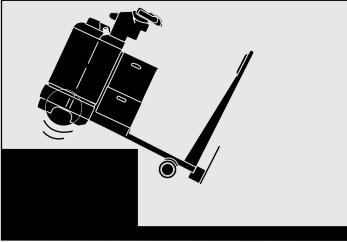
WATCH OUT FOR OTHER PEOPLE

- 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 drive your truck toward anyone standing in front of a fixed object*
- Be even more careful moving a wide load. Make certain you or someone around you doesn't get pinned or crushed. Have a helper or "spotter" assist you.
- Keep others away from your truck while you're working. Don't ever allow anyone to ride on anything being towed.
- Don't let anyone use your truck unless they are trained and certified.
- Don't allow the truck to coast in a congested area or if there are people in the aisle.
- Watch out for power unit swing. Slow down when making turns.
- Never allow passengers on your truck.



WHEN LEAVING YOUR TRUCK

- Turn the truck off or disconnect the battery.
- Apply the parking brake and make certain the truck will not coast.
- Avoid parking on inclines. But if you must, make sure you apply the parking brake and block the wheels of your truck.



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 driving.
- Make sure the load you are towing is stable.
- Don't drive 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 come to a complete stop.

BE CAREFUL TRAVELING ON RAMPS AND GRADES

- Always operate your truck from the rider position when traveling on a grade.
- With or without a towed load, going upgrade or downgrade, always travel power unit first.

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
- Lithium-Ion Batteries
- Fuel Cell Power Packs

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.

Charging Power Sources

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 FLOODED LEAD ACID BATTERY

1. Turn off your truck.
2. Unplug the power source connector from the truck.
3. Follow the charging instructions from the power source manufacturer.

When charging is complete, unplug the charger and plug the power source connector into the truck.

CHARGING A V-FORCE™ LITHIUM-ION BATTERY

1. Turn off your truck.
2. Plug the charger into the battery charge port.
3. Follow the charging instructions for the V-Force lithium-ion battery.

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

When opportunity charging is complete or the battery is fully charged, unplug the charger from the battery charge port.



Know the Hazards

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.

Lithium-ion & Fuel Cell Power Packs

LITHIUM-ION BATTERIES AND FUEL CELL POWER PACKS

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 or fuel cell power pack can have a separate display. Use the display installed on the battery to see the energy status.



Know the Hazards

AVOID DAMAGING THE POWER SOURCE


Do not leave trucks with lithium-ion batteries or fuel cell power packs in freezing temperatures.


Always follow the battery manufacturer's instructions.

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Flooded Lead Acid Batteries

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.

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TRUCK BATTERIES CAN BE DANGEROUS

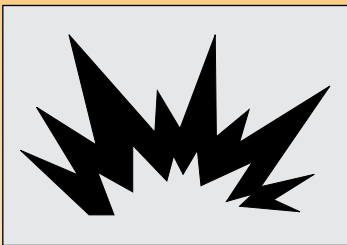
Your truck battery produces a gas that can explode. It also contains acid that could burn or disfigure you.

- Do not try to install, remove, charge or service your 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.

BATTERY RETAINERS MUST BE IN PLACE

The battery could slide out if retainers are not in place. Check that both retainers are installed before operating your truck.

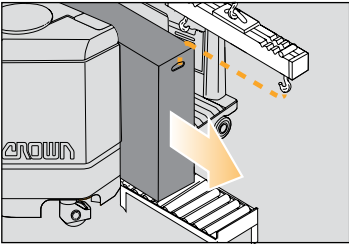
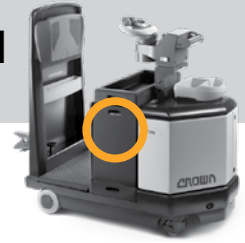
Know the Hazards



BEFORE CHARGING YOUR TRUCK BATTERY

- Charge the battery only in areas designated for that use.
- Make sure the truck key switch is turned off and all other controls are in the off or neutral position.
- See that the battery cells are filled to the proper level. Never use an open flame to check the battery.
- Make certain the charger is the same voltage and amperage as your battery.
- 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 the battery to explode.

Flooded Lead Acid Batteries continued

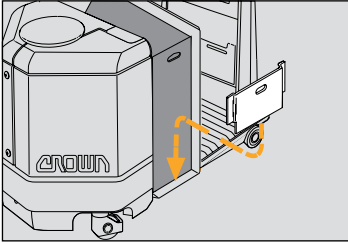


WHEN YOU INSTALL OR CHANGE BATTERIES

- Turn the truck OFF. Brake applies automatically when truck is turned OFF. Check that all controls are in neutral and disconnect the battery. Press the button on the side of the steer column and pivot the handle out of the way before removing 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 or a stand. Make sure you adjust the spreader bar hooks to fit the battery.

USING A ROLLER STAND

If you use a roller stand to install or remove a battery make sure the roller stand is the same height as the rollers in the truck's battery compartment. Also make sure the roller stand is at least as long as your battery.



AFTER INSTALLING YOUR BATTERY

- Replace the battery retainers. Make certain the retainers on both sides of the truck are in place.
- Connect the battery. Turn the truck ON and check truck operation.



Know the Hazards

WARNING

Minimum battery size allowed
XXX mm (00.00 in.) wide
XXX mm (00.00 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, type and weight of battery. Never operate a truck that has an underweight or undersize battery installed.

Warning Labels



EACH WARNING LABEL ON YOUR TRUCK IS IMPORTANT

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

WARNING

Objects placed on the operator platform could affect truck operation, or cause you to trip and be injured.

Keep operator platform clear.

879-A

WARNING

06

CAUTION

Connect charger properly or truck can be damaged.

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

WARNING

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Servicing can cause unexpected movement of the steering linkage and drive units.

Hands or arms could be pinned or crushed.

Keep hands out when batteries are plugged in. Disconnect batteries before servicing.

WARNING

Minimum battery size allowed

xxx mm (xx.xx in.) 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.

WARNING

07

Stay clear of all moving parts.

Moving parts can cut or crush hands, feet, arms or legs.

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 warnings and instructions on the truck and in the operator manual*.

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

Avoid being crushed. Keep head, arms, hands, legs, and feet within the operator area. **Stop truck completely before getting on or off.**

Tipovers and falls from docks can cause serious injury or even death. **Use extreme caution near docks or on dockplates.**

You could be pinned or crushed by fixed objects, or by objects intruding or poking into the operator area. **Always be alert to the area around you and watch where you are driving.**

Overize pallets or loads can be a crush hazard. **Do not exceed the maximum pallet/load width shown on either the capacity plate or display, depending on truck model.**

*Additional copies of the Operators Manual and Truck Labels can be obtained from Crown Equipment Corp., New Bremen, OH 45869 USA.

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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.

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4500 SERIES

*This operator manual
has information for
all models of series
TR 4500 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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