This operator manual has information for all models of series RC 5500 plus some options and accessories. Some of the illustrations and information may not apply to your truck.

The most important component is you.
**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 pinched or crushed whenever the truck is moving. Stay within the operator area and stop the truck completely before getting off.

However, tipovers and falls from docks can cause serious injury or even death. Immediately exit and move away from the truck in these emergencies.

You can be trapped or crushed by driving the operator area under racks or other objects. Look where you are going.

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 Certified**

**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 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**

**DRIVE CAREFULLY**
- Keep your hands on the controls and feet on the pedals/pads. Keep your entire body in the operator area.
- Never stick a foot or any part of your body outside the operator area, no matter how slow the truck is moving. You cannot stop 3630 kg (8000 pounds) 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.
- 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.
- Always be alert to the area around you and watch where you are driving. You could be pinned or crushed by objects intruding or poking into the operator area.

**AVOID FALLS AND TIPOVERS**
Falls from docks and tipovers are very serious accidents; you can be crushed or even killed. Immediately exit and move away from the truck in these emergencies.
*Note:* End-control rider trucks, such as this RC, are not like center-control trucks, where it is recommended that the operator stay with the truck. 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.
- Use forward tilt only when you have the load over a stack or close to the floor.
- Travel with the load or forks close to the ground and tilted back. Watch for overhead obstructions. Perform all truck movements smoothly and at a speed that will give you time to react in an emergency.
- An unloaded truck can tip over also. Be just as careful using an unloaded truck as you are using a loaded one.

**USE YOUR TRUCK SAFELY**
- Keep your hands and feet away from all moving parts such as masts, chains, forks or wheels. Make sure the load backrest is in place.
- Never stand on or under the forks, or allow anyone else to stand on or under them. The only way to lift people is with an approved platform. Never allow passengers on the truck. There is no safe place for them.
- Before you leave your truck:
  - Come to a complete stop and lower forks to the floor.
  - Shut the truck off with the key or power disconnect.
Capacity & Load Center

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.

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.

Tuck Weight with Max. Battery
Units of measure, kg/mm
Capacity with Mast Vertical
Capacity
Attachment Data
Serial Number
RC
600
(lb/in)
Truck Type
Center
**STAND-UP RIDERS**
Your stand-up rider truck lifts, moves and stacks loads. It is designed for maneuverability in warehouses built with narrower aisles.

**YOUR LIFT TRUCK IS NOT AN AUTOMOBILE**
With a load it may weigh as much as 3 automobiles.
- You don't steer the same.
- You don't brake the same.
- You don't accelerate the same.

**ORK FUNCTIONS, STANDARD AND OPTIONAL**
Standard fork or hydraulic functions are: Raising and Lowering the forks plus Tilting the mast. Included may also be accessories like Sideshift, Carton Clamp, or Push-Pull. Your company has decided which features are needed in your work area and should train you how to use them.

**HOW TO DRIVE YOUR TRUCK**
Your truck may be equipped with padding in the operator area, along with an adjustable armrest and an adjustable floating floorboard. You drive your truck by standing sideways and leaning back into the pads. This, along with your hands on the controls and feet on the pedals, gives you both comfort and stability. Plus you can see and travel in either direction by turning your head.

**GIVE YOUR BODY A BREAK**
Take advantage of stop time. Get off the truck and flex your arms and legs. Staying alert will help you be a better and safer driver.
Lift Truck Parts

- Key Switch
- Display
- Switch Panel (optional)
- Power Disconnect
- Multi-Task Handle
- Adjustable Armrest (optional)
- Power-On Pedal
- Brake Pedal
- Steering Handle
- Back Pad
- Floorboard Adjustment Lever

Tilting Mast
Capacity Plate
Overhead Guard
Load Backrest
Fork
Battery
Power Unit
Drive Wheel
Battery Retainer
Steer Wheel
Entry Bar
WHAT IS YOUR TRUCK CAPACITY?
Capacity is the load (including pallet or container) that can be lifted to a given height at a given load center. See the capacity plate on your truck. Make certain you use the correct units of measure.

WHAT IS LOAD CENTER?
Load center is the distance from the load backrest or vertical face of the fork to the center of an evenly distributed load.

LOADS MUST BE EVENLY DISTRIBUTED
Your truck could tip over, in any direction, if a load is shifted to the front or side of a pallet or container.

Know the Hazards

Know the capacity of your truck as shown on your capacity plate. Make certain you use the correct units of measure. Pay attention to:

- Weight of load
- Load center
- Lift height

Capacities given on your capacity plate are for loads that are centered and level. Be extra careful when tilting a load. (This also applies to other accessories or attachments your truck may have, such as sideshift, carton clamp, push-pull, etc.)

Your truck could tip over if a load is shifted to the front or side of a pallet or container. Make sure your load is evenly distributed and centered over the forks.

Know the capacity shown on your truck’s capacity plate. Be careful when handling long, high or wide loads. Do not handle unstable loads.

Exceeding truck capacity can cause an accident

Hydraulic operations can affect stability
CAPACITY PLATE INFORMATION
The capacity plate is on the overhead guard post. It contains:
- Truck serial number
- Capacity information (load, load center and lift height)
- Truck type (a fire safety rating)
- Truck weight with battery (does not include load)
- Attachment information (if any)

READING YOUR CAPACITY PLATE
Capacity may be reduced as lift height $A$ increases.
For example: On the sample plate, 1450kg (3200 lb) can be lifted to 3910mm (154 in). But above 3910 (154), to 4370 (172), capacity is reduced from 1450 (3200) to 1405 (3100).

Capacity is reduced as load center $B$ increases.
For example: On the sample plate, 1450kg (3200 lb) can be lifted if the load center is 600mm (24 in). But if the load center is increased to 840mm (33), capacity is reduced from 1450 (3200) to 1045 (2300).

Caution: You may not increase capacity if load center is less than shown on your capacity plate.

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

OTHER LIFT HEIGHTS AND LOAD CENTERS
Contact Crown for capacities at lift heights or load centers not given on your capacity plate.

Know the Hazards

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 load you have on the forks. Make certain you use the correct units of measure.

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.

ATTACHMENT DATA
If an attachment on your truck does not match the information given on your capacity plate, don’t operate your truck. Your capacity plate may be wrong. Report the problem to your supervisor.
**Power On & Off**

**KEY SWITCH**
- Turn the key clockwise to turn the truck ON.
- When leaving the truck, turn the key counterclockwise to shut the truck OFF.

**FOOT PEDALS/_PAD**
Place your left foot on the left brake pedal, and your right foot on the sensor pad. Turn the key ON and lift your left foot for a moment to cycle the brake.
Return your foot to the pedal. Lift your right foot and return it to the pedal. The truck is ready for operation.

**ENTRY BAR**
Always keep your feet in the operator area and clear of the entry bar.
If you put your foot on the entry bar while traveling, the alarm will sound and the truck will slow to a stop.

**POWER DISCONNECT**
Push the Power Disconnect button to cut power.
Use the Power Disconnect to shut the truck down any time it isn't working right. Don't use the truck if it's not working right. Report the problem to your supervisor.
Turn the key switch to OFF and back to ON to reconnect the battery and reset the Power Disconnect button.

**Armrest & Floorboard Adjustment**

**ARMREST ADJUSTMENT (OPTIONAL)**
Lift the orange latch at the rear of the armrest to release and raise the armrest.

**FLOORBOARD ADJUSTMENT**
Adjust the floating floorboard for the most comfortable ride for your weight.
Move the adjustment lever anywhere from the top position for the heaviest operator to the bottom position for the lightest operator.

**POSTURE RELIEF STEP**
Your truck is equipped with a posture relief step.
Rest your foot on the posture relief step when the truck is not in operation. Both feet must be present on the pedals when the truck is in operation.
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.

BATTERY RETAINER LIGHT (OPTIONAL)
A red light will come on if the battery retainer is not properly installed.

SERVICE & OPTION BUTTONS
See your Service Manual.

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

EVENT CODE LIGHT (OPERATOR CORRECTABLE)
The display shows the code for 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.

Foot Brake

BRAKE OFF
Step down on the brake pedal. The service brake is now "off".

BRAKE ON
Lift your heel or move your foot off the brake pedal to apply the service brakes. Keep a part of your foot in contact with the floorboard.

Continued next page...
**Know the Hazards**

**WATCH YOUR FEET**
Keep your feet inside the truck and on the pedals at all times. This truck weighs about 3630kg (8000 pounds) even without a load. You cannot stop or even slow down that much weight with your foot or any part of your body, no matter how slow the truck is moving.

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

**MAKE SURE YOUR BRAKES WORK**
Test the brakes 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.

**TRAVEL, POWER UNIT FIRST**
Pull the multi-task handle toward you to travel in the direction of the power unit (power unit first).

The farther you pull the handle from the neutral position, the faster the truck will travel.

**TRAVEL, FORKS FIRST**
Push the multi-task handle away from you to travel in the direction of the forks (forks first).

The farther you push the handle from the neutral position, the faster the truck will travel.

**PLUGGING**
Plugging is another way to slow down or stop your truck.

While the truck is moving, in either direction, pull or push the multi-task handle through neutral to the opposite direction of travel.

This will not hurt your truck.

Continued next page...
Traveling & Plugging continued

Pull the multi-function control
Travel, forks first

Push the multi-function control
Travel, power unit first

HORN
Press the button on the multi-task handle 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

PLUGGING VS. BRAKING
Of the two, the foot brake is designed to stop the truck in the shortest distance. Use the foot brake in an emergency, on ramps or in busy areas.

Steering & Travel

STEERING AND DRIVING
You will need to drive your truck in both the direction of the forks (forks first) and also in the direction of the power unit (power unit first or forks trailing). Steering is not the same in both directions. Be careful. Drive slowly until you get used to all the controls.

TRUCKS THAT LOOK ALIKE CAN BE DIFFERENT
This style truck can be built with one of two different types of steering. Your company has selected the type which is best for your work area.

Caution: If you ever drive a different RC Series truck, be careful. The steering may be different (see page 24).
Two Types of Steering

1. **REAR DIRECTIONAL STEERING** (Sometimes called Reverse Steering.)
   Shows direction truck will turn when steering handle is turned clockwise.

2. **FRONT DIRECTIONAL STEERING** (Sometimes called Forward Steering.)
   Shows direction truck will turn when steering handle is turned clockwise.

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**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.
Fork Functions

Fork Functions

Standard fork functions include:
- Raising and Lowering the forks,
- Tilting (up and down).

Raise/Lower
Lift the multi-task handle up to raise the forks.
Push down on the handle to lower the forks.
The farther you move the multi-task handle from neutral, the faster the forks will move.

Fork Tip Position Will Vary Depending on Load
The height of the fork tips and angle of the forks will change depending on how much load is on the forks.
Always check to see that the forks are at the correct lift height and tilt position to enter a pallet, and that the pallet and load will clear the rack beams.

Thumb Ball
All hydraulic fork functions, other than raise & lower, are controlled by the multi-task thumb ball.

Tilt Up & Down
Roll the thumb ball up to tilt the fork tips up. Roll the ball down to tilt the fork tips down.

Tilt Position Assist Option
With the thumb ball in neutral, press and hold the switch on the back of the multi-task handle. Then roll the thumb ball either up or down.
If your truck is equipped with this option, the forks will go to the programmed tilt position chosen by your company for this truck.

SideShift Option
Roll the ball away from you to shift the forks to the left (away from you). Roll the ball toward you to shift the forks to the right (toward you). The farther you move the ball from neutral the faster the forks will move.

Second Hydraulic Option
Hold the gray button on the back of the handle and roll the ball toward you or away from you.

Know the Hazards

Fork Position Will Vary Depending on Load
The tilt of the fork tips and raised height of the forks will change depending on how much load is on the forks.
Always check to see that the forks are at the correct tilt position and lift height to enter a pallet, and that the pallet and load will clear the rack beams.

Check the Path of the Forks
Make certain the path of the forks is clear and free of obstacles.
Check that the forks are at the proper position to enter the pallet, or that the pallet will clear the rack beam.
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, water level is OK and 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.
   • Check that both forks are secure and not bent, cracked or badly worn.
   • Inspect lift chains for damage.
   • See that the load backrest is in place.
   • Look under the truck for signs of hydraulic leaks.
   • Test the horn.
   • Make sure the power disconnect works.

2. Test drive your truck in an uncongested area.
   • Try all the hydraulic functions.
   • Check that the steering is easy and smooth.
   • Drive the truck slowly in both directions.
   • Drive through the full speed range in both forward and reverse.
   • Check braking and plugging distances 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 to stop safely, don't drive the truck.

If anything doesn't look 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. OP-3772). Used properly, this checklist can alert service people to needed repairs.
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 (Load Weight, Load Center and Lift Height). 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 27 and 28). 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 brakes and plugging. Check at a slow travel speed first, then a faster one. Know the distance it takes to stop before you start work.

DRIVE CAUTIOUSLY, BE ALERT

- Never stick a foot or any part of your body outside the operator area, no matter how slow the truck is moving. You cannot stop 3630 kg (8000 pounds) 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.
- Keep your hands on the controls and your feet on the pedals.
- Travel in the direction that gives you the best view. Look where you are going and slow down in congested areas.
- Slow down on wet or slippery floors. Don’t run over things.
- Travel with the forks close to the ground, retracted and tilted up. Place the load against the load backrest (vertical face of the forks).
- Look where you are going before you change direction of travel.
- See that you have room to drive and turn. Always check for overhead objects. 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.
- Check clearances before raising or lowering the forks or load.
- Be extra careful if you must use your truck in an area where there is a risk of falling objects.

Continued next page...
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.
- Never allow passengers on your truck.
- Watch out for power unit swing.
- Keep others away from your truck while you’re working. Don’t ever allow anyone on or under the load or forks.
- Don’t let anyone use your truck unless they are trained and certified.
- Never lift anyone with the forks unless they are using an approved platform. Even then use extreme caution.
  - Use a securely attached and approved safety platform.
  - Make certain lifting mechanism is operating properly.
  - Have load backrest vertical (never tilt when elevated).
  - Make certain truck is in neutral and brake is applied.
- Lift and lower slowly.
- Watch for overhead obstructions.
- Be sure you can see and hear the person being lifted.
- Never transport anyone on the platform from one location to another.

AVOID FALLS AND TIPOVERS
- 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 moving is stable. Spread the forks as far as you can and center the load. Insert the forks as far under the load as you can. Be even more careful with long, high or wide loads. They can be less stable.
- Use forward tilt only when you have the load over a stack or close to the floor. Use minimum fork tilt to pick up or place a load. When lifting or lowering outside a rack, keep the load backrest vertical or tilted back slightly.
- When moving loads on grades or ramps, drive with your forks pointed upgrade. Without a load, drive with forks downgrade. Slow down, and don’t turn on grades or ramps.

LEAVING YOUR TRUCK
- Stop your truck completely before getting off.
- Lower the forks to the floor. Turn the truck off or disconnect the battery.
- Avoid parking on inclines. But if you must, block the wheels of your truck.
Battery Maintenance

WHEN YOU INSTALL OR CHANGE BATTERIES
- Turn the truck OFF. Check that all controls are in neutral.
- Make certain you use the correct size and weight battery. Never operate a truck that has an underweight or undersize battery installed.
- 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.
- 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 on, or remove it from a stand. Make sure you adjust the spreader bar hooks to fit the battery.

AFTER INSTALLING YOUR BATTERY
- Replace the battery retainer. 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

DANGER
Batteries produce explosive gas. Do not smoke, use open lamps, 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.

WARNING
Minimum battery size allowed 000 mm (00.00 in.) wide
000 mm (00.00 in.) long
Undersize battery can affect truck handling and stability. You could have an accident.
Use U.L. classified Type EO battery.

TRUCK BATTERIES CAN BE DANGEROUS
Your truck battery produces fumes 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 SIZE
Make certain you use the correct size and weight battery. Never operate a truck that has an underweight or undersized battery installed.

Continued next page...
Before charging your truck battery:

- Charge the battery only in areas designated for that use.
- 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.
Only from Crown.

For more information, contact your local Crown dealer or visit crown.com

Warning Labels

EACH WARNING LABEL ON YOUR TRUCK IS IMPORTANT
Read and obey all of them to protect yourself and others.
This operator manual has information for all models of series RC 5500 plus some options and accessories. Some of the illustrations and information may not apply to your truck.

The most important component is you.