



CNOWN

Operator Manual

Protect Yourself You & Your Wave® Vehicle Vehicle Operation Load Handling Vehicle Maintenance



"Hello"

VAVE

Welcome to your Wave Operator Manual. This manual has been designed to provide you with specific information regarding the safe operation of the Wave work assist vehicle. As you will see in this manual, we've made it easy to use and understand, as well as informative.

Be aware though that only trained and authorized operators are permitted to use the vehicle. This manual is only one part of a complete operator training program that includes live presentations, hands-on training, and practice on the vehicle; all of which must be provided by an authorized trainer before you are permitted to operate any Wave vehicle.



Know the Hazards

EACH WARNING LABEL ON YOUR VEHICLE IS IMPORTANT

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



WARNING



Do not operate this vehicle unless you are trained and authorized.

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

Read the Manuals.

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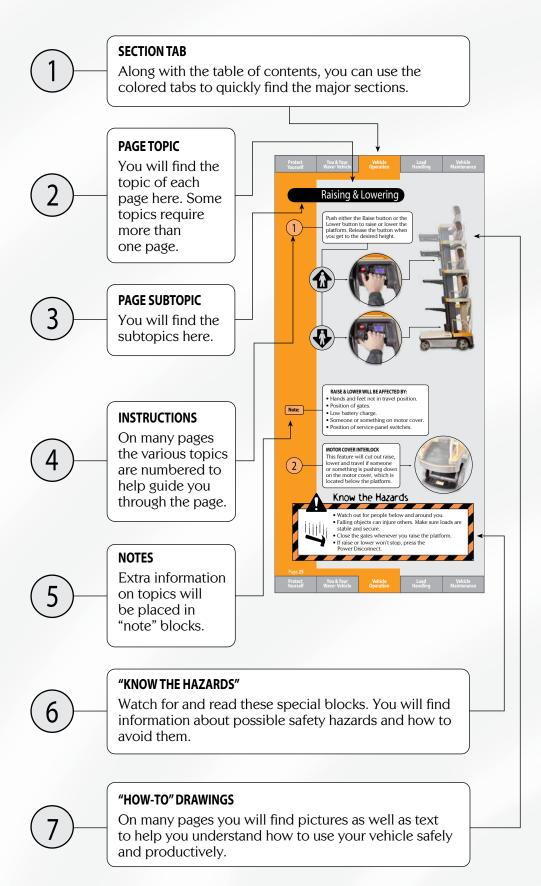
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What's In It For You

WHAT'S IN IT FOR YOU?

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



Protect Yourself and Others

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A Moving Vehicle Can Be Dangerous

Vehicle Maintenance

5 You Must Be Trained

Be A Safe Operator

Make Sure You Are Ready To Drive Make Sure Your Vehicle Is Ready

Drive Cautiously, Be Alert

Watch Out For Other People **Avoid Falls and Tipovers**

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9 Platform Safety

Keep Your Feet On The Platform 9

WARNING

- 9 Use The Gates
- 9 Stay Close To Your Work

MARNING WARNING



Do not operate this vehicle unless you are trained and authorized.

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

Read the Manuals.

Obey all warnings and instructions in Manuals and on the vehicle.

Inspect your vehicle before using it. M sure it is in good working order Stop vehicle fully before getting off

Watch out for people around you.



Falling objects can injure others. Make sure loads are stable.



Tipovers are very serious accidents Make certain your path is clear of deb holes, or anything that could cause the vehicle to tip over. Keep gates closed while elevated.

Stay off railing and load areas.

Don't use other objects to stand on. K your feet on the platform floor. You can be crushed by going under a rack. Look where you're driving.

Stay off ramps or grades.
You could lose steering control.

CAPACITY KG (LBS) **135** (300) 90 (200)

One Operator - No Passengers

DANGER



This platform is not insulated. You could be burned or even killed if you or your vehicle comes too close to electrical devices or wires.

Know that voltages y exposed to, and what working distance is.

WARNING

You could be struck or crushed by the lowering platform.

Keep your entire body away from area under platform.

While servicing, block the platform so it won't fall or accidentally lower.

WARNING

This vehicle does not have brakes, steering or travel control when the switch is in Push Mode.

Do not push vehicle operator is on platform Pushing speed must not exceed 2 MPH.

Leaving the switch in Push Mode may damage the battery Return switch to Drive Mode after moving the vehicle.





WARNING

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

Standing or riding on any load area

could cause a fall. Stay off all load areas.

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Protect Yourself

Vehicle Operation

Load Handling

Vehicle Maintenance



YOU MUST BE TRAINED

Only trained and authorized operators are permitted to use this vehicle.

This manual is one part of a complete training program. The program also includes watching the Training Video, reviewing the Crown Manual of Responsibility, along with hands-on training and practice on the vehicle. You must successfully demonstrate understanding of the material presented and be able to safely operate the vehicle before your training is completed.

CROWN MANUAL OF RESPONSIBILITY

The User shall ensure that the vehicle is operated and maintained according to the Crown Manual of Responsibility.

A copy of the Manual of Responsibility, along with the Service Manual, is stored in a tube under the platform. Return the manuals to the tube after use.

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Protect Yourself

You & Your Wave® Vehicle Vehicle Operation Load Handling Vehicle Maintenance

Be A Safe Operator

THE MOST IMPORTANT PART OF THE VEHICLE IS YOU.





- Don't use this vehicle unless you are trained and authorized.
- Know how your vehicle works, and the hazards that go with it. Don't drive the vehicle if you have any doubts.



- Find the Data Label on the mast. Make certain you understand all the information on it. Such as: capacities, total weight of vehicle, vehicle type and serial number. This vehicle may not be permitted in areas where there are fire hazards. Check with your supervisor.
- Make sure your hands and shoes are clean and dry. Also make sure that your clothing is proper for the job.



MAKE SURE YOUR VEHICLE IS READY

- Inspect your vehicle before using it (see page 32). If it's not working right, or something is broken, report the problem to your supervisor. Don't use the vehicle.
- In an open area, check all vehicle operations. Make certain everything is working right, especially before operating around other people.

DRIVE CAUTIOUSLY, BE ALERT



- Keep the gates closed when you are elevated.
- Drive with the gates open when the platform is lowered. You may need to get off the vehicle quickly to avoid injury.
- Don't climb on the rails or any other part of the vehicle.



- Keep your entire body inside the operator area, no matter how slow the vehicle is moving. A hand or foot caught between the vehicle and a solid object will be crushed or even cut off.
- Avoid sudden movement of controls. Learn to use them smoothly at a moderate, even rate. Sudden control changes can cause loads to shift or fall. Make sure loads are secure.



- 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.
- Always check that you can clear overhead objects.
- Check clearances before raising or lowering.



- Be extra careful if you must use your vehicle in an area where there is a risk of falling objects.
- Make sure you have a clear view in the direction you're traveling. Look where you're going and slow down in congested areas.
- Slow down and be extra careful on wet or slippery floors.
- Look where you are going before you change direction of travel. See that you have room to drive and turn.

Continued next page...

Protect Yourself

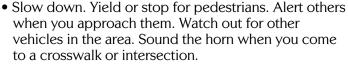
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Be A Safe Operator

DEVELOP SAFE WORK HABITS. WORK SAFELY AND LOOK OUT FOR PEOPLE AROUND YOU.

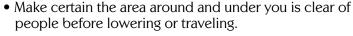


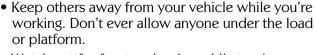
WATCH OUT FOR OTHER PEOPLE

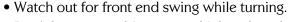




- Be careful you don't pin or crush someone.
 For example: Never drive your vehicle toward anyone standing in front of a fixed object.
- Never allow passengers anywhere on your vehicle.





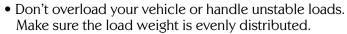


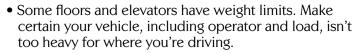
• Don't let anyone drive your vehicle unless they are trained and authorized.



AVOID FALLS AND TIPOVERS

- Stay away from the edge of docks and drop-offs.
 - Watch where you're going. Always check that your path is clear of debris, overhead obstructions or holes in the floor that could cause your vehicle to tip over.





Don't drive onto an elevator unless it is authorized.
 Check the capacity or load limit, and make sure there are no people present. Keep vehicle gates open.
 Enter load first.





WHEN LEAVING YOUR VEHICLE

- Stop the vehicle and lower the platform completely before getting off.
- Turn the vehicle off. Remove the key, if necessary, to prevent unauthorized use.

Continued

Be A Safe Operator



Know the Hazards



WATCH OUT FOR PEOPLE AROUND YOU



Pedestrians always have the right-of-way. They can't control your vehicle. Start out slowly and don't drive too close to them. Be careful at intersections. Check around the vehicle and under the platform before lowering or driving.

THERE IS NO SAFE PLACE FOR PASSENGERS

Never allow anyone to stand or ride anywhere on your vehicle.



FALLING OBJECTS CAN INJURE PEOPLE BELOW YOU

Be careful when handling tools or merchandise. Work close to racks or shelves when transferring loads. Make sure loads are stable.





Keep the gates closed when you are elevated. Don't climb on any part of the platform. Never add anything to the platform to stand or climb on. Don't climb down from an elevated platform. Have someone lower the platform using the override controls on the service panel, or the manual lowering valve under the load deck.

HANDS AND FEET CAN BE PINNED OR CRUSHED

Come to a complete stop before leaving your vehicle. While the vehicle is moving, keep your hands on the controls and your heels on the pedals. Any part of your body caught between the vehicle and a solid object will be crushed or even cut off. If you must use a hand to stabilize a load, make certain you will not be pinned or crushed.



AVOID TIPOVERS

Never overload your vehicle. Distribute loads evenly. Watch out for overhead obstructions like pipes or electrical conduits. Stay away from the edge of docks or drop-offs. Be sure your path is clear of debris, holes or anything that could cause a tipover.



KEEP YOUR VEHICLE UNDER CONTROL

Don't drive on ramps or grades. You could lose steering control. Be extra careful and drive slowly over spills or wet floors. Don't drive over things in your path.



THIS PLATFORM IS NOT INSULATED

You could be burned or even killed if you or your vehicle comes too close to electrical devices or wires. Know what voltages you may be exposed to, and what the safe working distance is.

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Protect Yourself

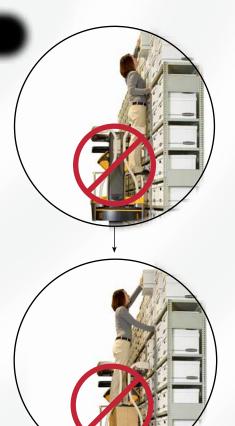
Platform Safety

KEEP YOUR FEET ON THE PLATFORM

Don't climb on any part of the vehicle or use any other item to stand on.

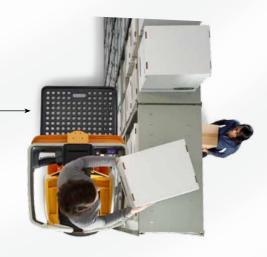
USE THE GATES

Close the gates behind you when you are elevated. Protect yourself from falls.



STAY CLOSE TO YOUR WORK

Avoid long reaches. Be careful with tools or when transferring merchandise. Watch out for people below, and in the next aisle.



Know the Hazards

FALLS ARE VERY SERIOUS ACCIDENTS

Keep your feet on the platform floor. Don't climb on any part of the vehicle, or use anything else to stand on. Keep gates closed when elevated.

FALLING OBJECTS CAN INJURE OTHERS

Keep your vehicle close to your work. Make sure loads are stable. Watch out for people below you.



You & Your Wave® Vehicle Vehicle Operation Load Handling Vehicle Maintenance Protect Yourself

You & Your Wave® Vehicle

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Switch Panel

Travel Speed Switch

Optional Power Load Tray Switch Optional Work Light Switch

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You & Your Wave® Vehicle

You and Your Wave

Your Work Assist Vehicle



THIS IS YOUR WAVE

Use your WAVE (Work Assist Vehicle) for moving and stocking materials, or working at low heights Use on dry, level floors in temperatures above freezing.



Note:

IT'S NOT LIKE AN AUTOMOBILE

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

HOW TO DRIVE YOUR VEHICLE

- Face the front, or load end of the vehicle.
- Keep your heels on the pedals and hands on the controls.
- Travel with gates open when lowered. Close the gates behind you when elevated.
- Keep your entire body within the operator area.
- Stop your vehicle and lower completely before getting off.

Note:

- Gates Open When Lowered
- Gates Closed When Elevated



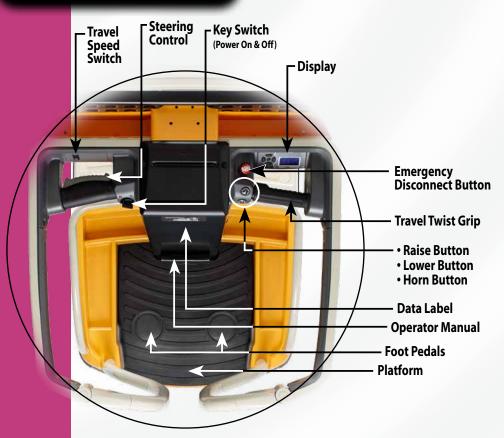
GIVE YOUR BODY A BREAK

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

Heels on Pedals

You & Your Wave® Vehicle Vehicle Operation Load Handling Vehicle Maintenance Protect Yourself

Vehicle Parts



Located under Load Deck: Manual Lowering Valve

- Batteries



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You & Your Wave® Vehicle

Vehicle Operation

• Platform/Base Switch

Load Handling

Battery Charging Socket or Pullout Cord & Display

Display



SERVICE ALERT

This yellow light will come on and the vehicle will stop when a fault is sensed. Try restarting the vehicle. If the light comes on again, shut the vehicle off and notify your supervisor.



OPERATOR ACTION

A yellow light here, along with a "beep", means your hands and/or feet are not in the travel position.

If the vehicle won't drive when you move the twist grip, check the display for error messages.

(3)

When you see

When you see the yellow light flashing, it's time to have the batteries charged. The display screen shows how much charge is left.





Know the Hazards



FALLS FROM A RAISED PLATFORM CAN CAUSE SERIOUS INJURY OR DEATH

This red safety light means you must close the vehicle gates to continue operating.

4

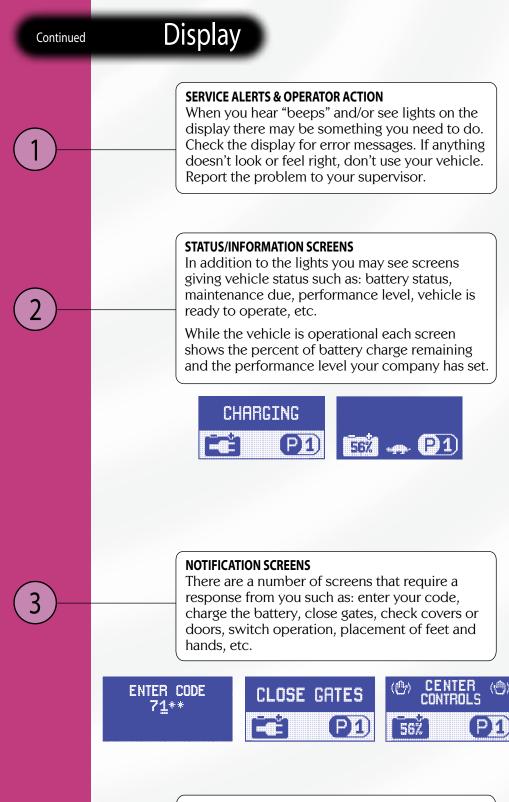


EMERGENCY DISCONNECT

When you see this red light, the Emergency Disconnect button is in the "power off" position. Release the emergency disconnect button to restore power to the vehicle.

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Protect You & Your Yourself Wave® Vehicle



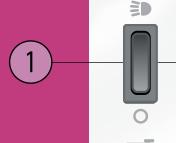


These screens are shown when there is a problem with your truck, such as: overheating of components, sensor issues, etc.

CODE 431 PLEASE SERVICE

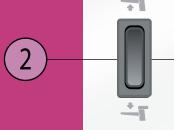


Switch Panel



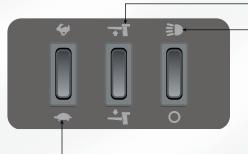
OPTIONAL WORK LIGHT SWITCH

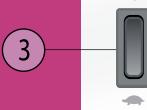
Controls any optional lighting added to the vehicle.



OPTIONAL POWER LOAD TRAY SWITCH

Use this switch to raise or lower the optional power load tray to the most convenient height. **WARNING:** When lowering, always make certain the area under the load tray is clear of people and obstructions.





TRAVEL SPEED SWITCH

When working in an open area, with few people around, you have the option of selecting faster travel speeds by pushing the switch up towards the "rabbit" symbol. Push the switch down towards the "turtle", to select slower travel speeds.

Know the Hazards



CONGESTED AREAS CAN BE DANGEROUS

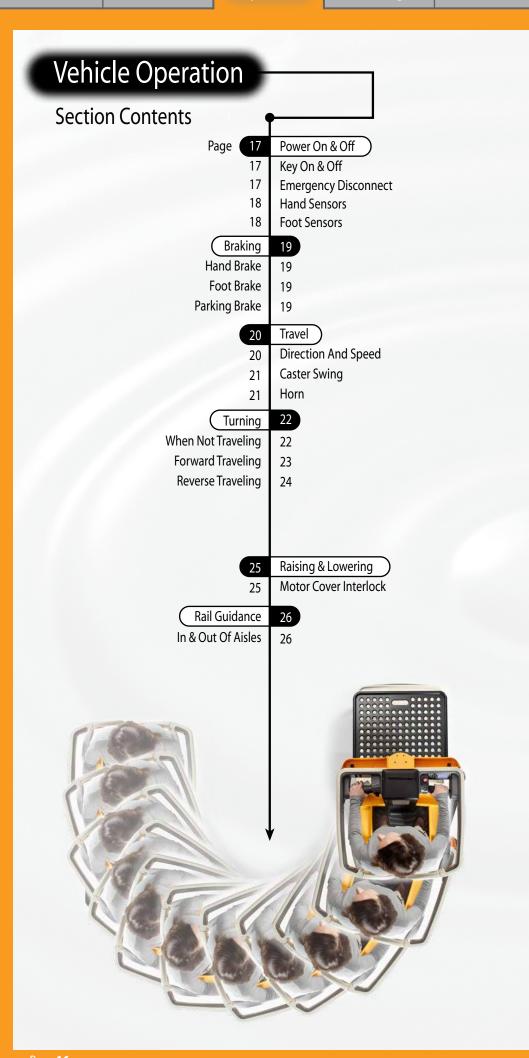
Slow down and keep your vehicle under control. Don't use high travel speed in crowded or busy areas. Pedestrians always have the right of way.



WATCH OUT FOR PEOPLE AROUND AND BELOW YOU

Always make certain the area around and below the load tray, as well as the platform, is clear of people and obstructions.

Protect You & Your Vehicle Load Vehicle Operation Handling Maintenance



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Protect You & Your Yourself Wave® Vehicle

Power On & Off

KEY ON

Turn the key vertical to the green dot. Check that beeper and all display lights are working. Don't put your hands on the controls until beeping stops.

KEY OFF

Turn the key horizontal to the red dot. Always turn the key off when leaving your vehicle. Remove the key if necessary to prevent unauthorized use.



SOME THINGS THAT WILL PREVENT "KEY ON"

- Hands placed on controls too quickly.
- The Emergency Disconnect button on either the platform or the service panel (see page 34) is in the "power off" position.
- Vehicle may have options added to prevent unauthorized use.

Note:

EMERGENCY DISCONNECT

Push down the red Emergency Disconnect button anytime your vehicle isn't working right. Don't use your vehicle. Report the problem to your supervisor.





POWER ON OR OFF

- When the red Emergency Disconnect button is down, power is off.
- Twist the button clockwise to turn power on.



Power On & Off

 $\widehat{1}$

HAND SENSORS

You must be in the travel position, with a hand on each of the controls.



2

FOOT SENSORS

You must be in the travel position, with both foot pedals down, to travel, raise or lower.



Note:

TRAVEL POSITION

- Hands on the controls.
- Heels on the pedals.



Know the Hazards



Any part of your body outside the operator area can be pinned or crushed.

rage 10

Protect Yourself

Three Ways to Brake

Braking

(1)

FOOT BRAKE

Lift a heel from either foot pedal to apply the brake.



PLUGGING

While traveling, rotate the twist grip in the opposite direction of travel to slow or stop the vehicle. The farther you rotate the grip past center, the quicker the braking. Return the grip to center as soon as your vehicle comes to a stop.



3

PARKING BRAKE

The parking brake is automatically applied after the vehicle stops moving, or if there is loss of power.

In an emergency, push the Emergency Disconnect button. This will cut power to the vehicle and apply the parking brake.



Know the Hazards



WATCH OUT FOR PEOPLE AROUND YOU

Don't drive too close to them. Know the distance it takes to stop.

In an emergency, push the Emergency Disconnect button to stop your vehicle.

Travel

DIRECTION AND SPEED

Rotate the top of the twist grip in the direction you want to travel. The farther you rotate the grip from the center position, the faster your vehicle will travel.





TRAVEL OR TRAVEL SPEED WILL BE AFFECTED BY:

- Position of travel speed (rabbit/turtle) switch.
- Elevated height.
- Position of gates.
- Direction of travel.
- Hands and feet not in travel position.
- Someone or something on the motor cover.
- Battery charger plugged in.

Know the Hazards



K

PEDESTRIANS HAVE THE RIGHT-OF-WAY

Watch out for people around you. Don't drive too close to them. Be careful at intersections. Use your horn. Check around you before changing direction. Look in the direction you are traveling.



AVOID FALLS AND TIPOVERS

Make certain your path is clear of debris, holes, or any objects that could cause you to fall, or your vehicle to tip over. Don't run over anything on the floor.

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Note:

Protect You Yourself Wave



Travel

CASTER SWING

The front of the vehicle may move a couple of inches to one side or the other when you begin traveling, or change direction of travel. This is caused by the swing of the casters and usually does not require steering correction.



HORN

Sound the horn as needed and when you come to a crosswalk or intersection.





Know the Hazards



IT'S NOT SAFE TO OPERATE ON RAMPS OR GRADES

You could lose steering control. Operate your vehicle on level surfaces only.

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.

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Protect You & Your Yourself Wave® Vehicle

When Not Traveling

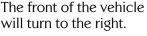
Turning

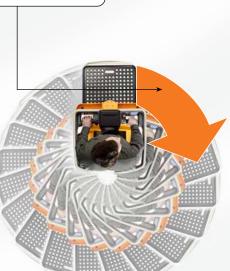
You can turn your vehicle even when you are not traveling. Squeeze the steering control in the direction you want the front, or load end of the vehicle, to turn.



2

Squeeze the right side of the steering control...





(3)

Your turning speed will vary depending on how far you squeeze the steering control.



Know the Hazards

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WATCH OUT FOR PEOPLE AROUND YOU

- Look before turning.
- Avoid sudden vehicle movement.
- Don't drive too close to them.
- Know the distance it takes to stop.

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Protect You & Your Yourself Wave® Vehicle

Vehicle Maintenance You & Your Wave® Vehicle Vehicle Operation Load Handling Protect Yourself

Forward Traveling

Turning



Squeeze the steering control in the direction you want the front of the vehicle to turn. Release the control when the vehicle is turned and pointed to the direction you want to travel.



Note:

travel speed increases, or the

Turns will become larger as load weight increases.



You & Your Wave® Vehicle Protect Yourself

Vehicle Operation

Load Handling

Vehicle Maintenance



While traveling in reverse...

Squeeze the steering control in the direction you want the front of the vehicle to turn. Release the control when the vehicle is turned and pointed to the direction you want to travel.



Know the Hazards



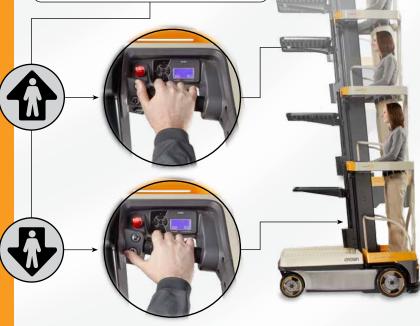
The front of the vehicle will swing wide when you turn. See that you have room to drive and steer. Watch out for people around you. Turns will become larger as travel speed increases or load weight is increased.

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Protect You & Your Yourself Wave® Vehicle

Raising & Lowering

Push either the Raise button or the Lower button to raise or lower the platform. Release the button when you get to the desired height.



RAISE & LOWER WILL BE AFFECTED BY:

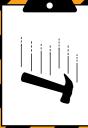
- Hands and feet not in travel position.
- Position of gates.
- Low battery charge.
- Someone or something on motor cover.
- Position of service-panel switches.

MOTOR COVER INTERLOCK

This feature will cut out, lower and reverse if someone or something is pushing down on the motor cover, which is located below the platform.



Know the Hazards



- Watch out for people below and around you.
- Falling objects can injure others. Make sure loads are stable and secure.
- Close the gates whenever you raise the platform.
- If raise or lower won't stop, press the Emergency Disconnect button.

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Note:

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Optional Rail Guidance

RAIL GUIDANCE OPTION

By adding a guide wheel option to your vehicle and guide rails at the floor, you can operate in narrow aisles without steering your vehicle.

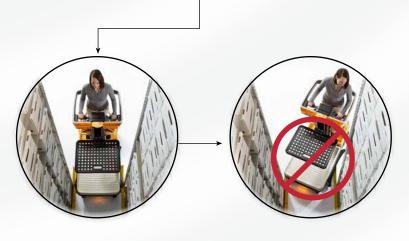


Note:

Travel speeds may change as you enter or exit guided aisles.

IN & OUT OF AISLES

Drive straight into and out of aisles. Do not approach or leave at an angle. Do not try to steer while you are in a guided aisle. Your company should train you how to enter, exit and drive in aisles with rail guidance.



Know the Hazards

STAY ALERT

You must be just as careful and alert while driving in a guided aisle as you are when driving with manual steering.

- Make sure there is nothing in your path, on the floor or sticking into the aisle.
- You must take control of steering as you leave a guided aisle.
- Stop and check for people and other vehicles before exiting or entering any aisle.



Load Handling

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Protect Yourself Wa

You & Your Wave® Vehicle Vehicle Operation

Vehicle Capacity

WHAT IS VEHICLE CAPACITY

Capacity is the maximum weight that can be carried or lifted. Your vehicle has three separate capacities: Operator Platform, Load Deck and Load Tray.

For both the Deck and the Tray, load weight must be evenly distributed over the surface. This will give your vehicle better stability.

LOAD DECK

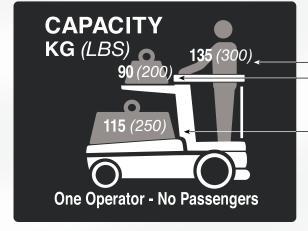
Capacity is limited to 250 pounds.

LOAD TRAY

Capacity is limited to 200 pounds.

OPERATOR PLATFORM

Capacity is limited to one person, including tools, weighing not more than 300 pounds.



Know the Hazards



- Exceeding any of your vehicle's capacities could cause an accident.
- Do not handle unstable loads.
- There is no safe place for passengers anywhere on the vehicle. No passengers.

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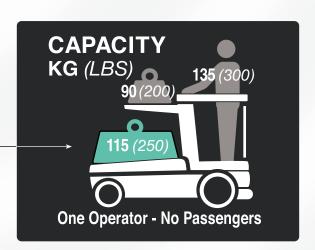
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rotect You & Your ourself Wave® Vehicle

Load Deck

CAPACITY

Don't put more than 250 pounds on the load deck.



2



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Protect You & Your Yourself Wave® Vehicle Vehicle Operation

Load Tray

CAPACITY

Don't put more than 200 pounds on the load tray.



2

EVENLY DISTRIBUTED LOAD

Make certain the load weight is evenly distributed over the surface of the tray.



3

4

VERTICAL TRAY ADJUSTMENT

Hold the load tray at the side edge with both hands to support the tray when released from its present height position. Tip the tray up until it is free to slide up or down on the mast. When you have it positioned at the best work height, return the tray to a level, latched position.



TRAY STORAGE

Tilt the load tray up and slide it down the mast as far as it will go. Move the tray back against the mast until it is latched.



Know the Hazards



WATCH OUT FOR PEOPLE AROUND AND BELOW YOU

Always make certain the area around and below the load tray, as well as the platform, is clear of people and obstructions.

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Protect You & Your Yourself Wave® Vehicle

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Protect Yourself

Daily Safety Check

CHECK YOUR VEHICLE BEFORE STARTING WORK

You must make sure your vehicle is safe, both for you and for people around you.

IF ANYTHING DOESN'T LOOK OR FEEL RIGHT, DON'T DRIVE YOUR VEHICLE. REPORT THE PROBLEM TO YOUR SUPERVISOR.

WALK AROUND YOUR VEHICLE & CHECK IT OVER

- Make sure the batteries are charged. See page 36 for battery charging and servicing information.
- Check that all wheels are in good condition.
- Look into and under the vehicle for signs of leaks.
- Turn the key to ON. See that the "beeper" and all display lights are working. Try the horn.
- Make sure the Emergency Disconnect button works.
- See that all options are working if your vehicle is so equipped.
- Check your vehicle for any damage that could be a hazard to you or to people around you.

TEST DRIVE YOUR VEHICLE IN AN UNCONGESTED AREA

- Make certain the service panel door is closed.
- Check raise and lower. Platform should not elevate above 20 inches with gates open.
- Make sure the steering is smooth.
- Drive the vehicle slowly in both directions.
- Drive through the full speed range, in forward and reverse. In forward, and with platform lowered, the speed should be slower with gates closed.
- Check stopping distance in forward and reverse.
 Caution, travel speed, load weight and floor conditions can affect stopping distance.
- Know the distance it takes to stop before you start working. If the stopping distance is too long to stop safely, don't drive the vehicle.
- If your vehicle is equipped with optional alarm or flashing lights, make certain they are working.

CHECK THE AREA WHERE YOU'LL BE WORKING.

Report any hazards or unsafe conditions to your supervisor.



Service Panel

1 LOCATION
The Serv

The Service Panel is behind the hinged door at the front of your vehicle.



Note:

Do not operate vehicle with the service panel door down.



Charging Socket or — Pullout Cord (optional)

Continued next page...

Continued Service Panel

PUSH/DRIVE SWITCH

If for some reason your vehicle won't drive, put this switch in the Push Mode position. This should release the brake so the vehicle can be pushed. If it does not release, contact your supervisor.

No one may ride anywhere on the vehicle while it is being pushed. Pushing speed must not exceed 2 MPH.

EMERGENCY DISCONNECT

Push down the red Emergency Disconnect button anytime your vehicle isn't working right. Don't use your vehicle. Report the problem to your supervisor.



RAISE & LOWER OVERRIDE SWITCHES

The switch on the lower left determines whether the operator platform or this service panel has control of raise & lower. If the left switch is on BASE, the right switch will control raise and lower. The Raise & Lower buttons on the platform won't work until the left switch is placed back on PLATFORM.

If the Lowering button does not work, the platform can be lowered by following the instructions for operating a manual lowering valve. Both the valve and the instructions are located under the load deck.

Know the Hazards

DON'T LET THE OPERATOR GET HURT

Before you use the Raise/Lower override switches, warn the operator to keep hands and feet inside the operator area.

Don't push the vehicle until the operator is off the platform and the area is clear.



4



You & Your Wave® Vehicle Vehicle Operation Load Handling Protect Yourself Vehicle **Maintenance**

Emergency

Manual Lowering

Note:

If you are unable to lower the truck to the ground call for authorized assistance to help. A manual lowering valve and instructions are located under the load deck.

BEFORE USING THE MANUAL LOWERING VALVE

- 1. Make certain all people, including yourself, are clear of the platform and load tray.
- 2. Warn the operator to stay completely inside the operator area.
- 3. Stop lowering immediately if the chains become slack, or any part of the platform gets caught.

SLACK CHAIN CONDITION

Always be alert for "RAISE PLATFORM" shown on the display or any other indication that the lift chains have become slack. A slack chain condition can cause serious injury by allowing the platform to drop suddenly.

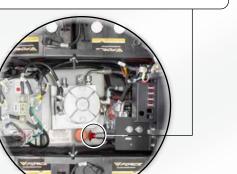
Note:

MANUAL LOWERING VALVE

To lower the platform, pull the red knob.



To stop the lowering, release the red knob.



To Stop Lowering





DON'T LET THE OPERATOR GET HURT

Before you use the Manual Lowering Valve, warn the operator to keep hands and feet inside the operator area.

Don't push the vehicle until the operator is off the platform and the area is clear.

Battery Maintenance

BATTERIES & CHARGER

- Don't charge or service the batteries unless you are trained and authorized. See the Service Manual for instructions.
- Charge batteries in areas designated for that use. Do not expose the vehicle to moisture or snow while charging. Don't try to charge a frozen battery.
- Wear protective eyewear, gloves and clothing when servicing the batteries.



🛕 DANGER

W

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.

Note:



Continued next page...

Continued

Battery Maintenance

TO CHARGE THE BATTERIES

- Turn the vehicle off or push the Emergency Disconnect button.
- Use an extension cord less than 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 service panel.
- Plug the other end of the extension cord, or the optional retractable cord, into a 120 volt AC outlet.
- Check the charging display on the service panel.



TROUBLE SHOOTING THE BATTERY CHARGER

- A red light means something is wrong with the charger.
 Try plugging the charger in a second time. If the red light still comes on, unplug the charger and notify your supervisor.
- A yellow light means the charger is working.
- A green light means charging is finished. Unplug the extension cord. The vehicle is ready to use.
- If none of the lights come on, the charger is not getting power. Make sure the AC outlet is working and the extension cord is OK.

Know the Hazards



BATTERIES CAN BE DANGEROUS

They produce fumes that can explode. They also contain acid that can burn or disfigure you.

- Don't service any batteries unless you are trained and authorized.
- Never smoke or use open flames around batteries.
- Use protection such as gloves, eye shields, etc.
- Do battery work in a safe area provided by your company.





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