



SELF-PROPELLED STOCK PICKER

Operator Manual

FOWIT INC

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**Protect
Yourself**

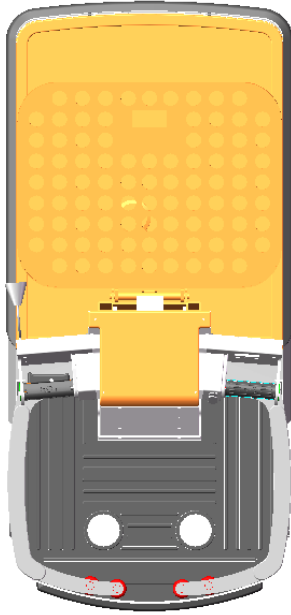
**You & Your
Stock Picker**

**Stock Picker
Operation**

**Load
Handling**

**Stock Picker
Maintenance**

“Hello”



Welcome to your FOWIT® Operator Manual. This manual has been designed to provide you with specific information regarding the safe operation of the Self-propelled stock picker. 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 stock picker. This manual is only one part of a complete operator training program that includes live presentations, hands-on training, and practice on stock picker; all of which must be provided by an authorized trainer before you are permitted to operate any stock picker.

Know the Hazards



EACH WARNING LABEL ON YOUR STOCK PICKER IS IMPORTANT
Read and obey all of them to protect yourself and others.



WARNING



Do not operate this stock picker 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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Protect Yourself

You & Your Stock Picker

Stock Picker Operation

Load Handling

Stock Picker Maintenance

What's In It For You

WHAT'S IN IT FOR YOU?

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

1

SECTION TAB

Along with the table of contents, you can use the colored tabs to quickly find the major sections.

2

PAGE TOPIC

You will find the topic of each page here. Some topics require more than one page.

3

PAGE SUBTOPIC

You will find the subtopics here.

4

INSTRUCTIONS

On many pages the various topics are numbered to help guide you through the page.

5

NOTES

Extra information on topics will be placed in "note" blocks.

6

"KNOW THE HAZARDS"

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

7

"HOW-TO" DRAWINGS

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

Page 3

Protect
Yourself

You & Your
Stock Picker

Stock Picker
Operation

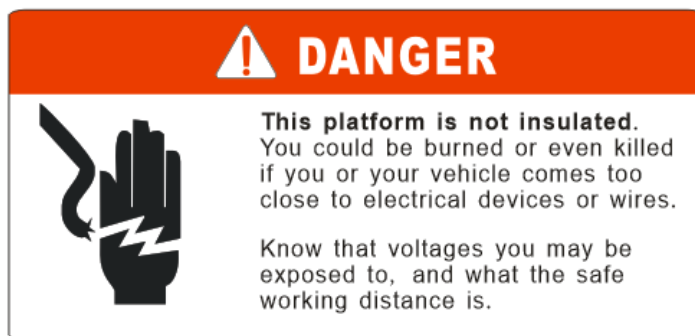
Load
Handling

Stock Picker
Maintenance

Protect Yourself and others

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You Must Be Trained

1

A MOVING STOCK PICKER CAN BE DANGEROUS

You or others around you can be seriously injured or even killed if you are not careful or don't know how to use this Stock Picker correctly.

2

YOU MUST BE TRAINED

Only trained and authorized operators are permitted to use this stock picker.

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



SELF-PROPELLED STOCK PICKER Operator Manual



3

MANUAL OF RESPONSIBILITY

The User shall ensure that the stock picker is operated and maintained according to the Operator 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.

Be A Safe Operator

THE MOST IMPORTANT PART OF THE STOCK PICKER IS YOU.

MAKE SURE YOU ARE READY TO DRIVE



- Don't use this stock picker unless you are trained and authorized.
- Know how your stock picker works, and the hazards that go with it. Don't drive the stock picker 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 stock picker, stock picker type and serial number.



This stock picker 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 STOCK PICKER IS READY



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



Be A Safe Operator

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 stock picker quickly to avoid injury.
- Don't climb on the rails or any other part of the stock picker.
- Keep your entire body inside the operator area, no matter how slow the stock picker is moving. A hand or foot caught between the stock picker 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 stock picker 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.

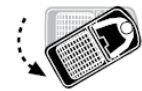
Be A Safe Operator

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



WATCH OUT FOR OTHER PEOPLE

- Slow down. Yield or stop for pedestrians. Alert others when you approach them. Watch out for other stock pickers in the area. Sound the horn when you come to a crosswalk or intersection.
- Be careful you don't pin or crush someone. For example: Never drive your stock picker toward anyone standing in front of a fixed object.
- Never allow passengers anywhere on your stock picker.
- Make certain the area around and under you is clear of people before lowering or traveling.
- Keep others away from your stock picker while you're working. Don't ever allow anyone under the load or platform.
- Watch out for front end swing while turning.
- Don't let anyone drive your stock picker 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 stock picker to tip over.
- Don't overload your stock picker or handle unstable loads. Make sure the load weight is evenly distributed.
- Some floors and elevators have weight limits. Make certain your stock picker, including operator and load, isn't too heavy for where you're driving.
- 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 stock picker gates open. Enter load first.



WHEN LEAVING YOUR STOCK PICKER

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

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 stock picker. Start out slowly and don't drive too close to them. Be careful at intersections. Check around the stock picker 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 stock picker.



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.

FALLS ARE VERY SERIOUS ACCIDENTS



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.

Be A Safe Operator



Know the Hazards

HANDS AND FEET CAN BE PINNED OR CRUSHED

Come to a complete stop before leaving your stock picker. While the stock picker is moving, keep your hands on the controls and your heels on the pedals. Any part of your body caught between the stock picker 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 stock picker. 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 STOCK PICKER 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 stock picker comes too close to electrical devices or wires. Know what voltages you may be exposed to, and what the safe working distance is.



Platform Safety

1

KEEP YOUR FEET ON THE PLATFORM

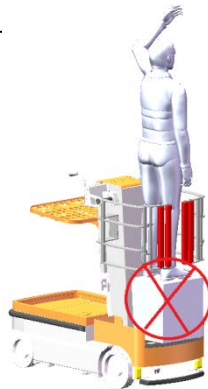
Don't climb on any part of the stock picker or use any other item to stand on.



2

USE THE GATES

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



3

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 stock picker, or use anything else to stand on. Keep gates closed when elevated.

FALLING OBJECTS CAN INJURE OTHERS

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

You & Your Stock Picker

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Page 16	Display And Switch Panel



Your Stock Picker

1

THIS IS YOUR STOCK PICKER
 Use your Stock Picker 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.

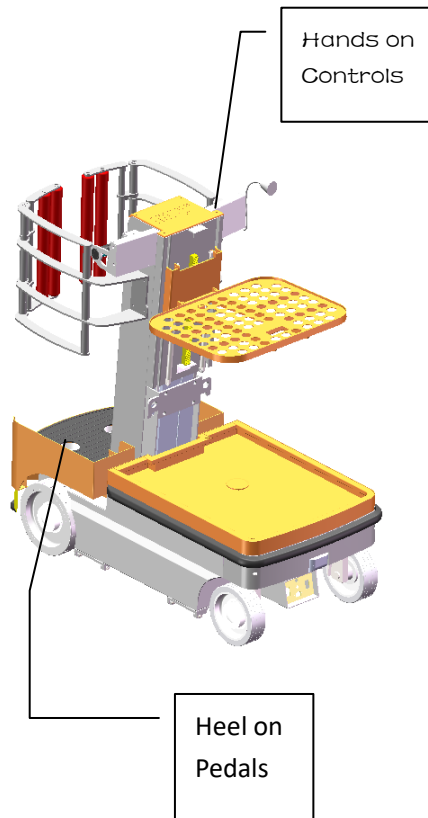
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HOW TO DRIVE YOUR STOCK PICKER

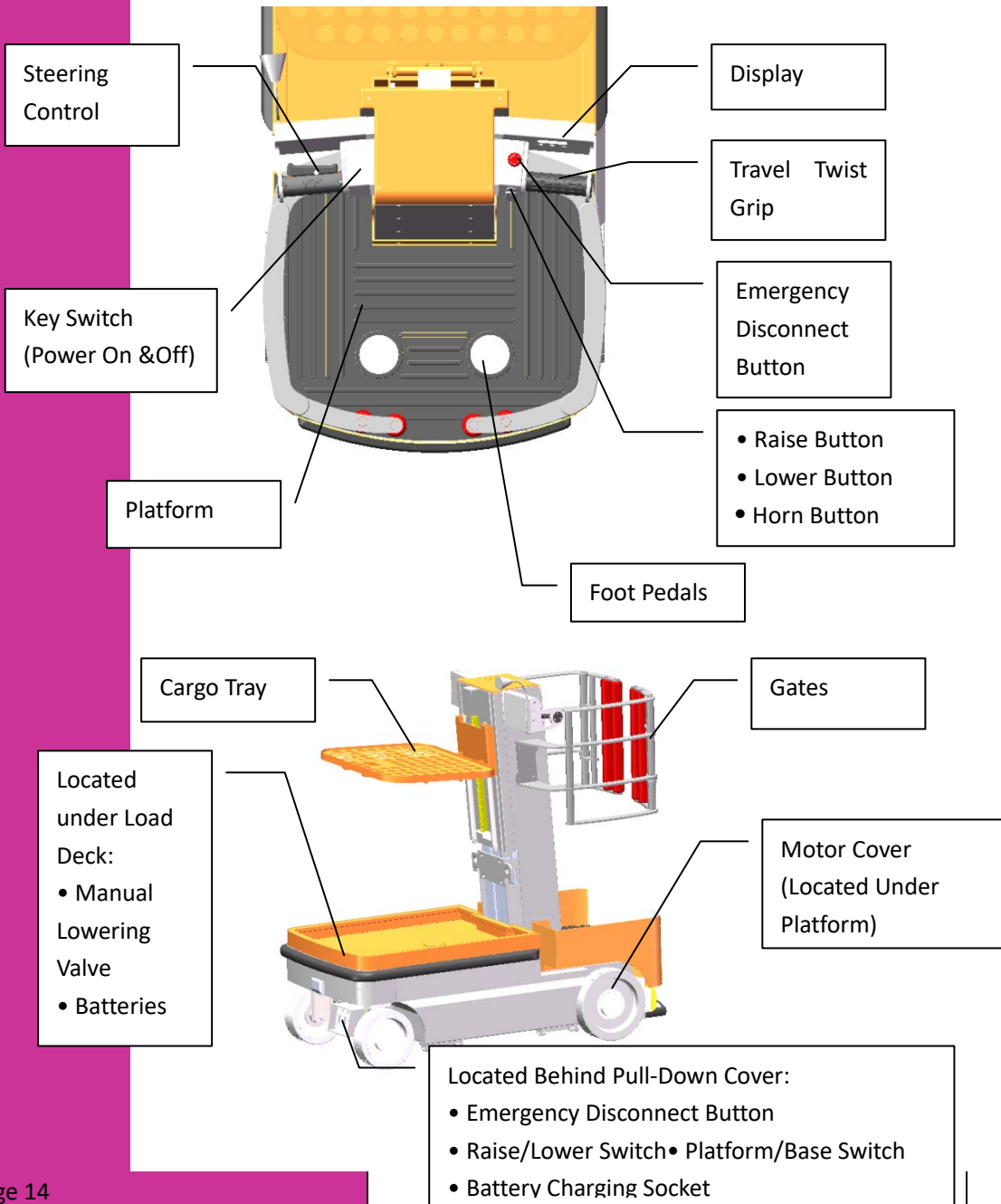
- Face the front, or load end of the Stock Picker.
- Keep your heels on the pedals and hands on the controls.
- Travel with gates open when lowered. Close the gates behind you when elevated.
- Keep your entire body within the operator area.
- Stop your vehicle and lower completely before getting off.

note

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.



Stock Picker Parts



Display and Switch Panel

BATTERY STATUS

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



DRIVE MODE

Only when You push down the switch, you can go forward or backward

LIFT MODE

Only when You push down the switch, can You raise or lower

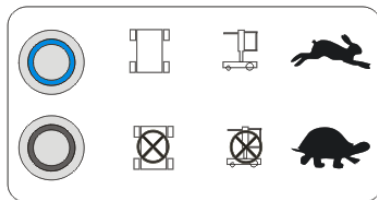
TRAVEL SPEED SELECT MODE

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.

Display and Switch Panel

IF You don't follow the instruction when these screens are shown, the stock picker won't drive

These screens are shown when there is a problem, such as :
L-HAND is not hold, foot misplaced, load deck isn't fixed



Stock Picker Operation

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Power On & Off

1

KEY ON

Turn the key stock picker 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 stock picker. Remove the key if necessary to prevent unauthorized use.



Note

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.
- stock picker may have options added to prevent unauthorized use.



Power On & Off

2

EMERGENCY DISCONNECT

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



Note

POWER ON OR OFF

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



3

WORKING LIGHT

You can open the light when it is dark in the working site or you cannot see clearly when working.



HAND SENSORS

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

Power On & Off

4

FOOT SENSORS

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



note

DRIVE 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.

Braking

1 **FOOT BRAKE**
Lift a heel from either foot pedal to apply the brake.



2 **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 stock picker comes to a stop.



3 **PARKING BRAKE**
The parking brake is automatically applied after the stock picker stops moving, or if there is loss of power. In an emergency, push the Emergency Disconnect button. This will cut power to the stock picker 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 stock picker.

Travel

1

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 stock picker 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.

note



Know the Hazards



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.

Travel

2

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 stock picker 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.

Turning

1

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



2

Squeeze the right side of the steering control. The front of the stock picker will turn to the right.



3

When you don't squeeze the steering, the steering wheel will turn to middle station.

4

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



Know the Hazards



WATCH OUT FOR PEOPLE AROUND YOU

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

Turning

1

While traveling forward...

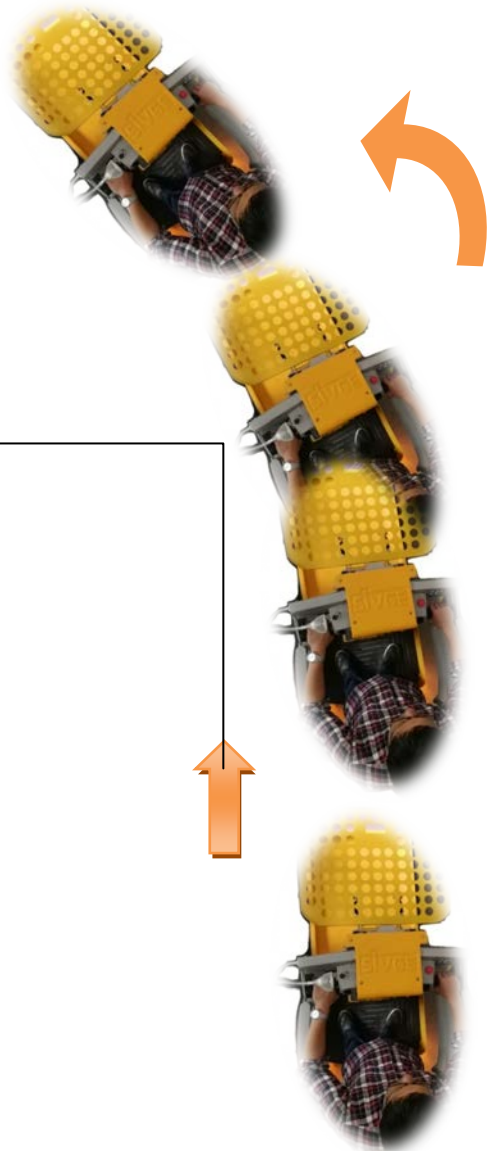
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Squeeze the steering control in the direction you want the front of the stock picker to turn. Release the control when the stock picker is turned and pointed to the direction you want to travel.



note

Turns will become larger as travel speed increases, or the load weight increases.



Turning

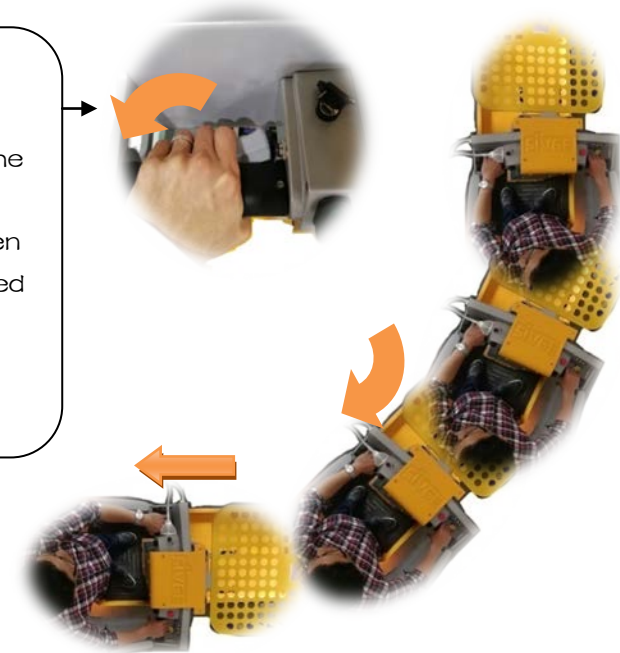
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While traveling in reverse...



2

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



Know the Hazards



The front of the stock picker 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.

Raising and Lowering

1

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.



note

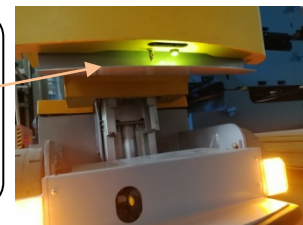
RAISE & LOWER WILL BE AFFECTED BY:

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

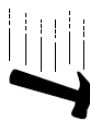
2

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 .

Load Handling

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Page 31 Evenly Distributed Load

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Stock Picker Capacity

1

WHAT IS Stock Picker CAPACITY

Capacity is the maximum weight that can be carried or lifted. Your stock picker 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.

2

LOAD TRAY

Capacity is limited to 200 lbs.

3

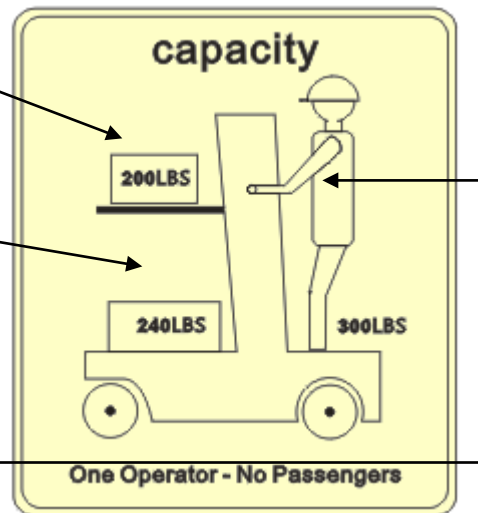
LOAD DECK

Capacity is limited to 240 lbs

4

OPERATOR PLATFORM

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



Know the Hazards



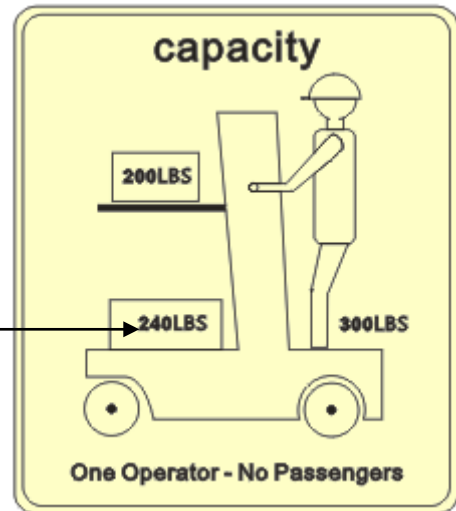
- Exceeding any of your vehicle's capacities could cause an accident.
- Do not handle unstable loads.
- There is no safe place for passengers anywhere on the vehicle. No passengers.

LOAD DECK

1

CAPACITY

Don't put more than 240lbs on the load deck.



2

EVENLY DISTRIBUTED LOAD

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



Load Tray

1

CAPACITY

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

2

EVENLY DISTRIBUTED LOAD

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

3

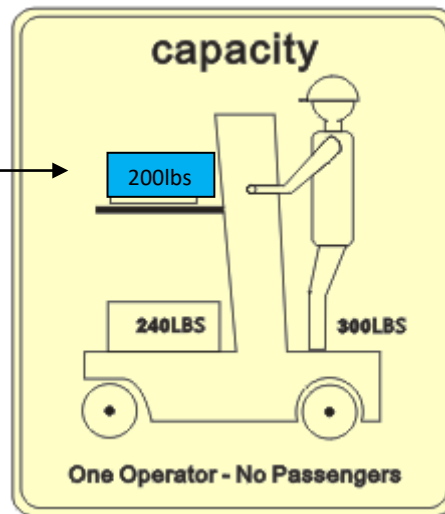
VERTICAL TRAY ADJUSTMENT

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.


4

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.

Stock Picker Maintenance

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Daily Safety Check

1

CHECK YOUR STOCK PICKER BEFORE STARTING WORK

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

2

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

3

WALK AROUND YOUR STOCK PICKER & 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 stock picker for signs of leaks.
- Turn the key to ON. See all display lights are working. Try the horn.
- Make sure the Emergency Disconnect button works.
- See that all options are working if your stock picker is so equipped.
- Check your stock picker for any damage that could be a hazard to you or to people around you.

4

TEST DRIVE YOUR STOCK PICKER IN AN UNCONGESTED AREA

- Make certain the service panel door is closed.
- Make sure the steering is smooth.
- Drive the stock picker 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.
- 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 stock picker.

4

CHECK THE AREA WHERE YOU'LL BE WORKING.

Report any hazards or unsafe conditions to your supervisor.

Service Panel

1

LOCATION

The Service Panel is at the front of your stock picker

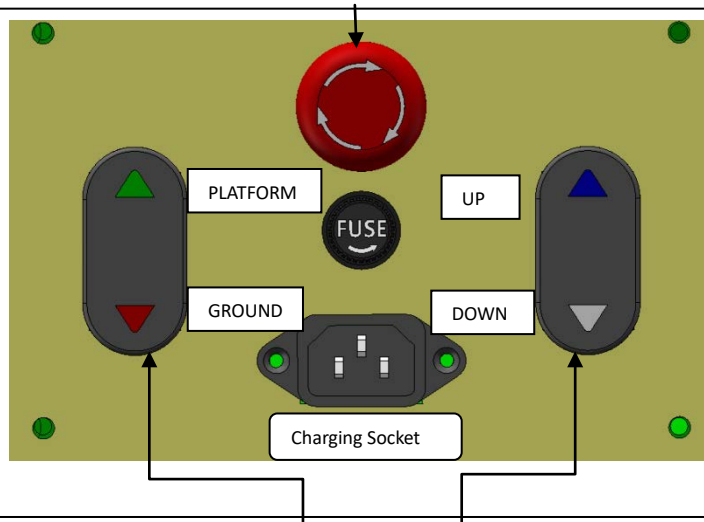


Service Panel

1

EMERGENCY DISCONNECT

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



3

RAISE & LOWER OVERRIDE SWITCHES


The switch on the GROUND left determines whether the operator platform or this service panel has control of raise & lower. If the left switch is on GROUND, 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.


2

Note

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.

Manual Lowering

1

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.

2

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.

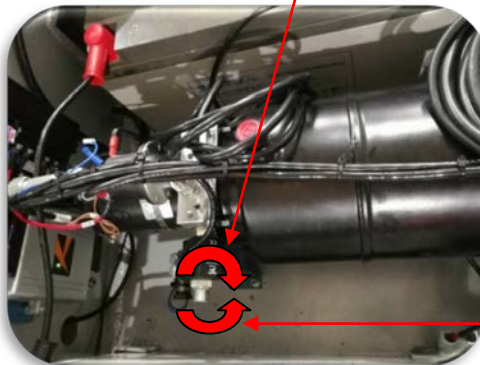
3

MANUAL LOWERING VALVE

To lower the platform, anti-clockwise the white knob.

4

To stop the lowering, clockwise the white knob.



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.

Battery Maintenance

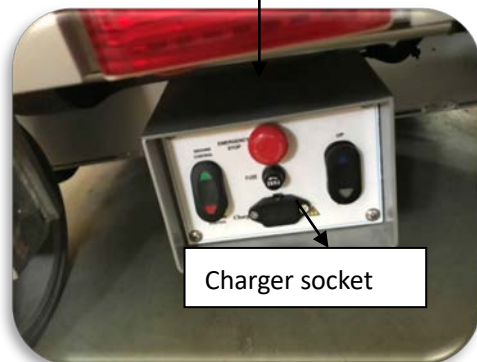
1

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.
- Turn the vehicle off or push the Emergency Disconnect button.
- **Recharge batteries even machine is not in working every 30 days.**


2

battery



Charger socket


DANGER



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

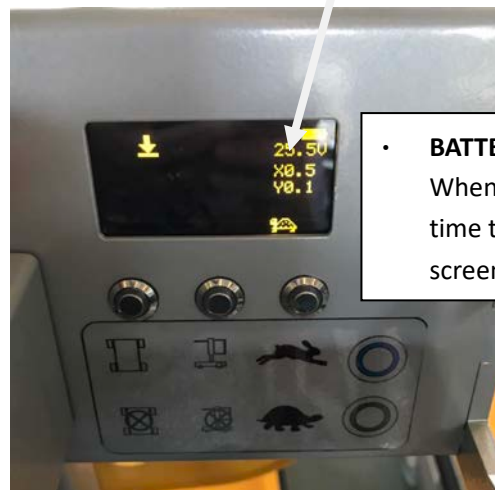
This battery contains **Sulfuric Acid** which causes severe burns. Do not get in eyes, on skin, or clothing. In case of contact, flush immediately and thoroughly with water. Get medical attention if your eyes are affected.

20

Continued Battery Maintenance

TO CHARGE THE BATTERIES

- Check battery power before using: open electric switch lock on panel and detect voltage as show below.
- Charger is build-in type, using an extension cord less than 25 ft long with a wire.
- Plug in one end of the cord into the charging socket at the service panel, and plug in another end into a 120 Voltage outlet.
- Check charging condition on the LED displace.
- To hold power, charging battery **every 30 days** even though no use long time.
- As maintenance-free battery, it is necessarily to check the quantity of electricity of battery before use. Battery over discharge is forbidden or it will be damaged.



BATTERY STATUS

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

- Full status display: 25.5V.
- If displayed 21V, it can't walk, and the lift is slow.
- Below 19V, system alarm, unable to operate.
- Suggest charging at 22V, about 8-10 hours charging time.



Push/Drive Switch

1

LOCATION

The Service Panel is at the back of your stock picker

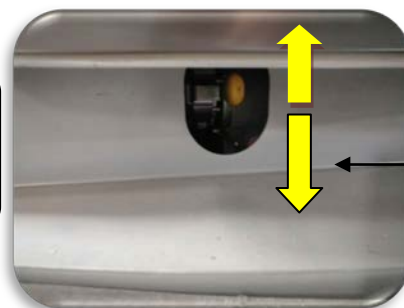


2

PUSH/DRIVE SWITCH

If for some reason your stock picker won't drive, push down this switch. This should release the brake so the stock picker can be pushed. If it does not release, contact your supervisor.

No one may ride anywhere on the stock picker while it is being pushed.



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Fowit

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