



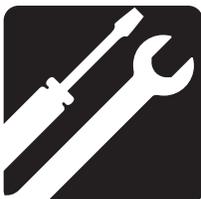
ASSEMBLY



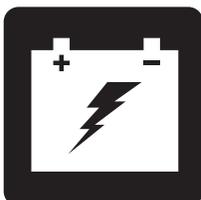
OPERATION



COMFORT



MAINTENANCE



BATTERY
CHARGING

BAJA[®] MOBILITY BA140 OWNER'S MANUAL

SAFETY GUIDELINES



WARNING! An authorized Provider or qualified technician must perform the initial setup of this vehicle and must perform all of the procedures in this manual.

The symbols below are used throughout this owner's manual and on the vehicle to identify warnings and important information. It is very important for you to read them and understand them completely.



WARNING! Indicates a potentially hazardous condition/situation. Failure to follow designated procedures can cause either personal injury, component damage, or malfunction. On the product, this icon is represented as a black symbol on a yellow triangle with a black border.



MANDATORY! These actions should be performed as specified. Failure to perform mandatory actions can cause personal injury and/or equipment damage. On the product, this icon is represented as a white symbol on a blue dot with a white border.



PROHIBITED! These actions are prohibited. These actions should not be performed at any time or in any circumstances. Performing a prohibited action can cause personal injury and/or equipment damage. On the product, this icon is represented as a black symbol with a red circle and red slash.

INTENDED USE

The intended use of this Pride Mobility Products device is to provide mobility assistance to persons with mobility impairment who have the capacity to operate a motorized mobility vehicle in an indoor/outdoor environment.

REGARDING DEVICES FOR PRESCRIPTION USE

Our mobility products and their components are available for sale either as retail ("over-the-counter") or with a prescription. When prescribed, the following statement is applicable.



CAUTION! Federal law restricts this device to sale by or on the order of a physician or other certified personnel licensed by the law of the State (US only) or region in which this personnel practices to use or order the use of this device.

NOTE: This owner's manual is compiled from the latest specifications and product information available at the time of publication. We reserve the right to make changes as they become necessary. Any changes to our products may cause slight variations between the illustrations and explanations in this manual and the product you have purchased. The latest/current version of this manual is available on our website.

NOTE: This product is compliant with WEEE, RoHS, and REACH directives and requirements.

NOTE: This product meets IPX4 classification (IEC 60529).

NOTE: The vehicle and its components are not made with natural rubber latex. Consult with the manufacturer regarding any after-market accessories.

NOTE: For more information regarding patents, refer to <http://www.pridemobility.com/patents>

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I. SAFETY

PRODUCT SAFETY SYMBOLS

The symbols below are used on the vehicle to identify warnings, mandatory actions, and prohibited actions. It is very important for you to read and understand them completely.

NOTE: *There are more warnings identified and explained in the Consumer Safety Guide that is included with your vehicle. Please become familiar with all the warnings and safety information found in the Consumer Safety Guide and refer to this resource often.*



Read and follow the information in the owner's manual.



Vehicle information label



Fully charge batteries before operating.

Remove key from an unattended vehicle.



Indicates UNOCCUPIED vehicle securement points.



Does not meet ISO 7176-19 standards for occupied transport in a motor vehicle. When travelling in a motor vehicle, do not sit in your vehicle.



Manufactured in

I. SAFETY

GENERAL



MANDATORY! Do not operate your new vehicle for the first time without completely reading and understanding this owner's manual and the Consumer Safety Guide.

Your vehicle is a state-of-the-art life-enhancement device designed to increase mobility. We provide an extensive variety of products to best fit the individual needs of the vehicle user. Please be aware that the final selection and purchasing decision regarding the type of vehicle to be used is the responsibility of the vehicle user who is capable of making such a decision and his/her healthcare professional (i.e., medical doctor, physical therapist, etc.).

The contents of this manual are based on the expectation that a mobility device expert has properly fitted the vehicle to the user and has assisted the prescribing healthcare professional and/or the authorized Provider in the instruction process for the use of the product.

There are certain situations, including some medical conditions, where the vehicle user will need to practice operating the vehicle in the presence of a trained attendant. A trained attendant can be defined as a family member or care professional specially trained in assisting a vehicle user in various daily living activities.

As you begin using your vehicle during daily activities, you will probably encounter situations in which you will need some practice. Simply take your time and you will soon be in full and confident control as you maneuver through doorways, on and off elevators, up and down ramps, and over moderate terrain.

Additional general information can be found on the supplemental information sheets and booklets included in your Owner's Package. Please fully read and review the information, and keep it readily available for future reference.

Below are some precautions, tips, and other safety considerations that will help you become accustomed to operating the vehicle safely.

PRE-RIDE SAFETY CHECK

Get to know the feel of your vehicle and its capabilities. We recommend that you perform a safety check before each use to make sure your vehicle operates smoothly and safely.

Perform the following inspections prior to using your vehicle:

- Check the condition of the tires. Make sure they are not damaged or excessively worn.
- Check all electrical connections. Make sure they are tight and not corroded.
- Check all harness connections. Make sure they are secured properly.
- Check the brakes to ensure they operate properly.
- Check the battery condition meter to ensure the batteries are fully charged.
- Ensure the manual freewheel lever is in drive mode before sitting on the vehicle.

If you discover a problem, contact your authorized Provider for assistance. Please refer to the Contact Information insert in your Owner's Package.

II. YOUR VEHICLE

TILLER CONSOLE

The tiller console houses all controls needed to drive your vehicle, including the key switch, throttle control lever, horn button, speed adjustment dial, and the battery condition meter. See figure 1.



PROHIBITED! Do not expose the tiller console to moisture. In the event that the tiller console does become exposed to moisture, do not attempt to operate your vehicle until the tiller console has dried thoroughly.

IDENTIFICATION KEY

- | | |
|---|-----------------------|
| 1. Mirror and Mirror Plug | 8. Left Turn Signal |
| 2. Key Switch | 9. Horn |
| 3. Battery Condition Meter | 10. Right Turn Signal |
| 4. Speed Adjustment Dial | 11. USB Charger Port |
| 5. Throttle Control Lever | 12. Light Switch |
| 6. Charger Power Cord Receptacle (Tiller Port)* | 13. Eco-Sport Switch |
| 7. Handbrake Lever | 14. Fuse |

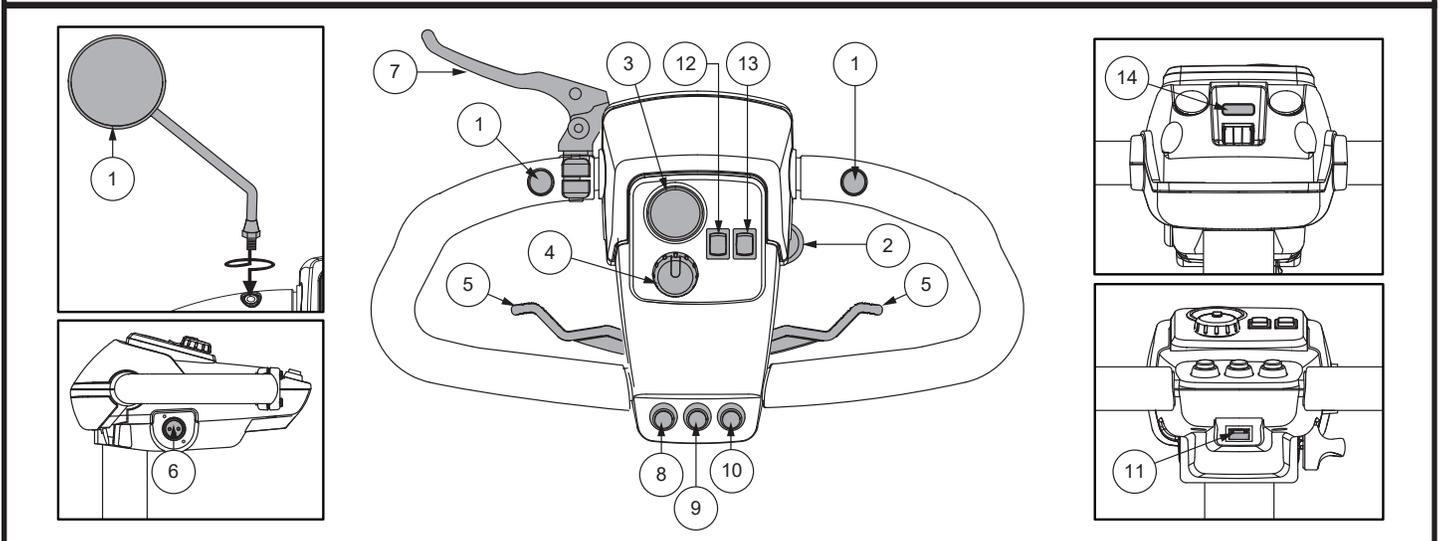


Figure 1. Tiller Console

Horn Button

This button activates a warning horn. Your vehicle must be turned on for the horn to be operational. Do not hesitate to use the warning horn when doing so may prevent accident or injury.

Key Switch

- Insert the key into the key switch and turn it clockwise to power up (turn on) your vehicle.
- Turn the key counterclockwise to power down (turn off) your vehicle.



WARNING! When faced with an emergency situation, switch off the key to power off the vehicle. Use caution. Be advised that turning off power to the vehicle may cause the vehicle to stop abruptly. To release the emergency stop and restore driving capability to the vehicle, release the throttle control lever and then switch on the key to the vehicle.

Although the key can be left in the key switch when the vehicle is powered down, we recommend removing it to prevent unauthorized use of your vehicle.



WARNING! If the key is moved to the “off” position while your vehicle is in motion, the electronic brakes will engage and your vehicle will come to an abrupt stop!

II. YOUR VEHICLE

Battery Condition Meter

When the key is fully inserted into the key switch and turned clockwise to power up your vehicle, this meter indicates approximate battery strength. For further information on the battery condition meter, see III. “Batteries and Charging.”

Speed Adjustment Dial

This dial allows you to preselect and limit your vehicle’s top speed.

- The image of the tortoise represents the slowest speed setting.
- The image of the hare represents the fastest speed setting.

Turn Signal Buttons

- Press the appropriate turn signal button once to activate it. The turn signal will flash on the battery condition meter.
- Press the same signal button to turn it off.

Throttle Control Lever

This lever allows you to control the forward speed and the reverse speed of your vehicle up to the maximum speed you preset with the speed adjustment dial.

NOTE: The throttle control lever operation instructions outlined below apply to vehicles in a standard configuration. If the programming of your vehicle was modified in any way by a Provider, contact that Provider for correct throttle control level operation instructions.

To use throttle control lever:

To move Forward, use either of the following:

- Use your left thumb to push the left side of the throttle control lever.
- Use your right hand fingers to pull back on the right side of the throttle control lever.

To move Rearward, use either of the following:

- Use your right thumb to push the right side of the throttle control lever.
- Use your left hand fingers to pull back on the left side of the throttle control lever.

Release the throttle control lever and allow your scooter to come to a complete stop before engaging the other side of the lever. When the throttle control lever is completely released, it automatically returns to the center “stop” position and engages your scooter’s brakes.

Handbrake Lever

Your vehicle is equipped with a handbrake lever which is located on the tiller handle. **See figure 1.** This lever provides you with additional stopping power. The handbrake is manual and operates independently of your vehicle’s regenerative braking system which is engaged during operation of the vehicle by releasing the throttle control lever.

To operate the handbrake lever:

1. Release the throttle control lever fully.
2. Gently squeeze the handbrake lever to bring your vehicle to a complete stop.

NOTE: You must release the throttle control lever before squeezing the handbrake lever. Otherwise, your vehicle may not come to a complete stop.

NOTE: The handbrake lever may require periodic adjustment to maintain proper operation. Adjustment should only be performed by your authorized Pride provider or other qualified technician. Contact your authorized provider for more information.

II. YOUR VEHICLE



WARNING! The handbrake is intended for use as a supplemental braking system to the throttle controlled regenerative braking system, or to help bring the vehicle to a stop in the event that the regenerative braking system does not engage. The handbrake is not intended for use as the primary braking system. Misuse or improper use of the handbrake may result in a crash, a fall, personal/property injury, or death.

NOTE: For more information on the handbrake lever refer to the Consumer Safety Guide that was supplied with your vehicle.

Eco-Sport Switch

This switch toggles the vehicle's speed between Eco and Sport. Toggle the switch forward (Eco) to achieve the minimum preprogrammed speed for the vehicle. Toggle the switch rearward (Sport) to achieve the maximum preprogrammed speed of the vehicle.

Lights Switch

This switch controls your vehicle's lighting system, including the 4-way yellow flashers on your vehicle.

- Toggle switch forward to activate the headlight.
- Toggle switch rearward to activate hazard lights.
- Return switch to center position to deactivate lights.



WARNING! Vehicle users are required to use their lights when visibility is restricted—day or night.

REAR COMPONENTS

The manual freewheel lever and motor/transaxle assembly are located on your vehicle as shown. See figure 2.



WARNING! Before placing your vehicle into or taking it out of freewheel mode, remove the key from the key switch. Never sit on a vehicle when it is in freewheel mode. Never put a vehicle in freewheel mode on any incline.

Motor/Transaxle Assembly

The motor/transaxle assembly is an electromechanical unit that converts electrical energy from your vehicle's batteries into the controlled mechanical energy that drives the vehicle's wheels.

II. YOUR VEHICLE

Manual Freewheel Lever

Whenever you need or want to push your vehicle for short distances, you can put it in freewheel mode.

1. Locate the manual freewheel lever at the top right of the rear section.
2. Push forward on the manual freewheel lever to disable the drive system and the brake system. You may now push your vehicle.
3. Push the manual freewheel lever rearward to reengage the drive and the brake systems; this takes your vehicle out of freewheel mode.

WARNING! When your vehicle is in freewheel mode, the braking system is disengaged.

- Disengage the drive motors only on a level surface.
- Ensure the key is removed from the key switch.
- Stand to the side of the vehicle to engage or disengage freewheel mode. Never sit on a vehicle to do this.
- After you have finished pushing your vehicle, always return it to the drive mode to lock the brakes.



WARNING! Do not use the vehicle while the drive motors are disengaged! Do not disengage the drive motors when the vehicle is on an incline or decline, as the unit could roll on its own! Only engage the freewheel mode when on a level surface.

WARNING! It is important to remember that when your vehicle is in freewheel mode, the braking system is disengaged.

NOTE: It is strongly recommended that you do not charge your batteries while in freewheel mode.

NOTE: You must turn off the power before disabling the drive systems; otherwise, you may get an error code on the vehicle. To clear this code, turn off the vehicle and place the vehicle in drive mode. Then turn on the vehicle. The error message should be cleared. If not, contact an authorized Provider.

To engage or disengage the drive system:

1. Locate the lever on the rear section of the vehicle. See figure 2.
2. Pull the lever toward the rear of the vehicle to engage the drive motors (drive mode).
3. Push the lever toward the front of the vehicle to disengage the drive motors (freewheel mode).

If a lever is difficult to move in either direction, rock your vehicle back and forth slightly. The lever should then move to the desired position.



WARNING! Do not use the freewheel lever handles as tie-down points to secure this product.

IDENTIFICATION KEY

1. Manual Freewheel Lever
2. Motor/Transaxle Assembly

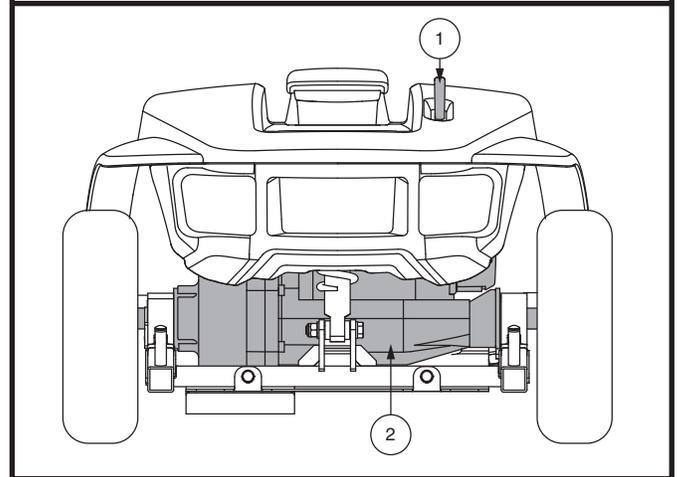


Figure 2. Rear Components

II. YOUR VEHICLE

BATTERY PACK

Your vehicle is equipped with an innovative, easy-to-remove battery pack. A handle on the top of the battery pack makes it easy to lift the pack off of the vehicle with one hand. Depending on the configuration of your vehicle, the battery pack contains either one or two rechargeable batteries, and may contain the charger power cord receptacle, the main circuit breaker (reset button), and the battery pack fuse. **See figure 3.**

Main Circuit Breaker (Reset Button)

When the voltage in your vehicle's batteries becomes low or the vehicle is heavily strained because of excessive loads or steep inclines, the main circuit breaker may trip to protect the motor and electronics from damage. **See figures 3.**

- The main circuit breaker reset button pops out when the breaker trips.
- When the breaker trips, the entire electrical system of your vehicle shuts down.
- Allow a minute or two for your vehicle's electronics to "rest."
- Push in the reset button to reset the main circuit breaker.
- If the main circuit breaker trips frequently, you may need to charge your batteries more often.
- If the main circuit breaker trips repeatedly, see your authorized Provider for service.

Charger Power Cord Receptacle

The end of the 3-pin charger power cord plugs into this receptacle. **See figure 4.**

Tiller Console Fuse (If Equipped)

The fuse located under the battery pack protects the tiller console electronics. **See figure 3.** In the event any component of the tiller console is not responding, check this fuse. See VII. "Basic Troubleshooting" for fuse replacement instructions.

Off-Board Battery Charger

The off-board battery charger, when plugged into the charger power cord receptacle and a standard electrical outlet, charges the vehicle's batteries. **See figure 5.**

II. YOUR VEHICLE

IDENTIFICATION KEY

1. Battery Pack
2. Battery Pack Handle
3. Charger Power Cord Receptacle
4. Battery Pack Fuse
5. Battery Disconnect Switch
6. Main Circuit Breaker (Reset Button)

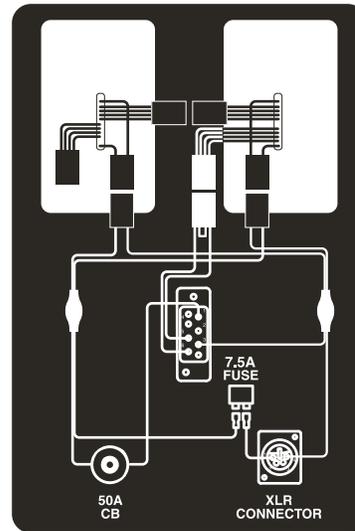
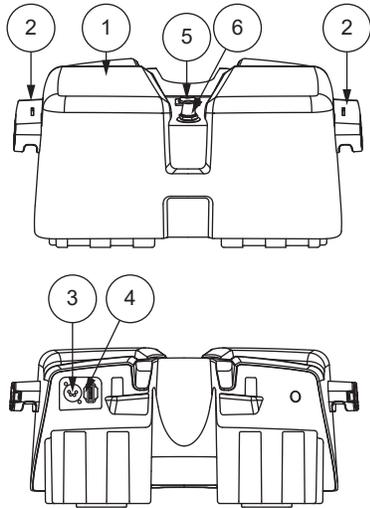


Figure 3. Battery Pack

IDENTIFICATION KEY

1. Tiller Console
2. Charger Power Cord Receptacle

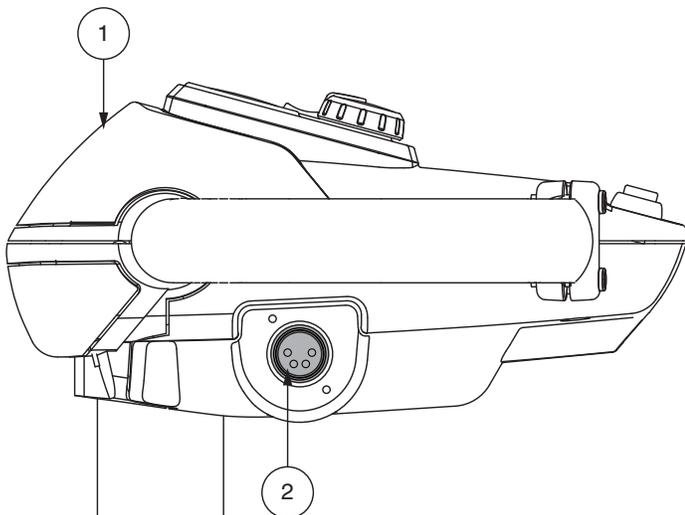


Figure 4. Charger Power Cord Receptacle (Tiller Mounted)

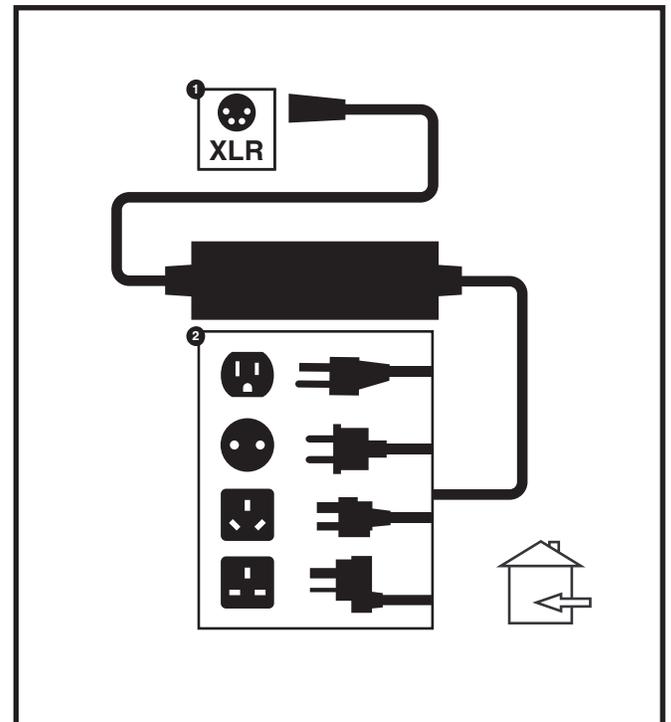


Figure 5. Off-board Battery Charger

II. YOUR VEHICLE

SECUREMENT POINTS

Always secure the vehicle in a forward-facing position in the vehicle. Attach the four tie-down straps to the designated securement points. See **figure 6**. Tighten the straps to sufficiently remove all slack. Never attach tie-downs to adjustable, moving, or removable parts of the vehicle such as armrests, shrouds, and wheels. These items should be removed. Position the anchor points for the rear tie-down straps directly behind the rear securement points on the vehicle. The front tie-down straps should anchor to floor points that are spaced wider than the vehicle to provide increased lateral stability.



WARNING! Ensure vehicles are properly secured to the motor vehicle during transport. Vehicles that are not properly secured can become a hazard to the user and to other vehicle passengers in the event of a crash, sudden stopping, or swerving, as the vehicle could tip or slide out of place.

IDENTIFICATION KEY

1. Front Securement Points
2. Rear Securement Points

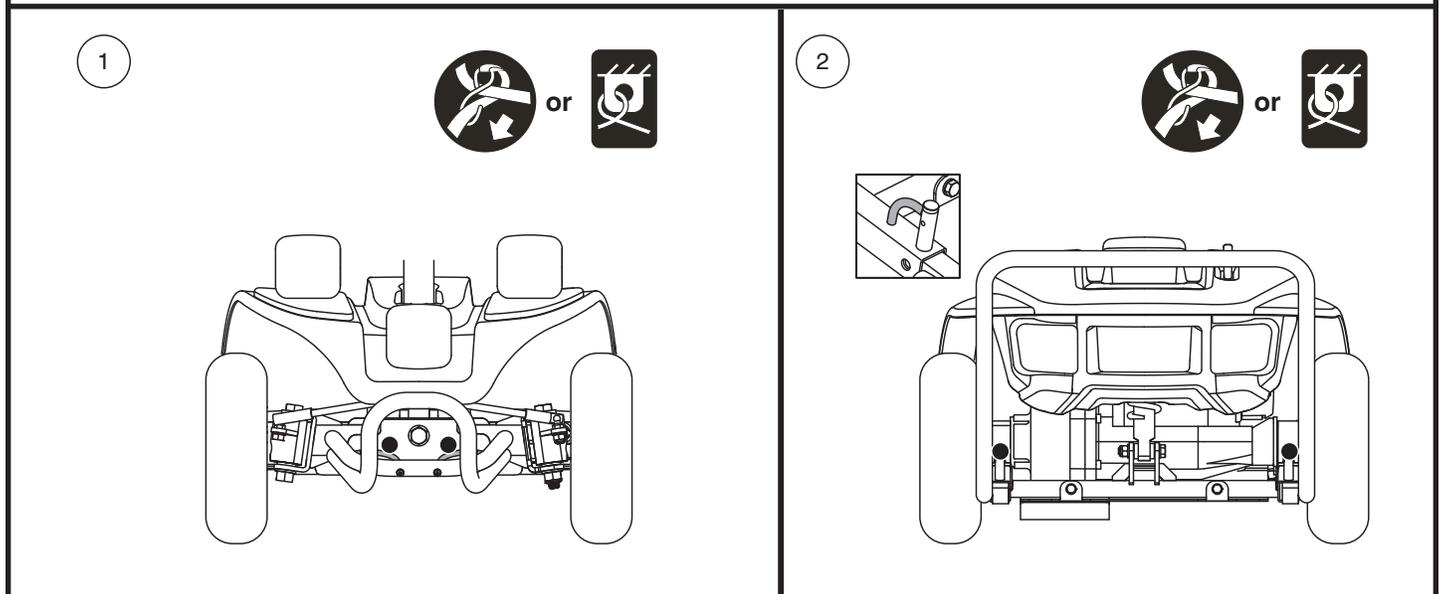


Figure 6. Securement Points (Identified with black dots)

III. BATTERIES AND CHARGING

BATTERIES AND CHARGING

Your vehicle requires one long-lasting, 36-volt, Lithium-Ion battery that is sealed and maintenance free. They are recharged by the supplied off-board charging system.

- Charge your vehicle's battery prior to using it for the first time. For optimal performance, fully charge your vehicle's battery using the charger supplied with the vehicle. Plug the charger into your vehicle first and then plug the charger into electrical outlet.
- Keep the batteries fully charged to keep your vehicle running smoothly.

READING YOUR BATTERY VOLTAGE

The battery condition meter on the tiller console indicates the approximate strength of your batteries using a color code. From right to left on the meter, green (5 LEDs) indicates fully charged batteries, yellow (3 LEDs) a draining charge, and red (2 LEDs) indicates that an immediate recharge is necessary. See figure 7. To ensure the highest accuracy, the battery condition meter should be checked while operating your vehicle at full speed on a dry, level surface. When 5 LEDs (2 red LEDs and 3 yellow LEDs) are displayed, your batteries have 10% charge remaining.

NOTE: Ambient Meter adjusts brightness based on environmental lighting.

CHARGING YOUR BATTERIES

NOTE: The battery pack(s) can be charged off of the vehicle individually or together or charged on the vehicle. See Figure 8.

NOTE: Ensure that the battery disconnect switch is in the "on" position (-) prior to charging your vehicle's battery. The battery will NOT charge if the battery disconnect switch is in the "off" position (O). See figures 3 and 8.

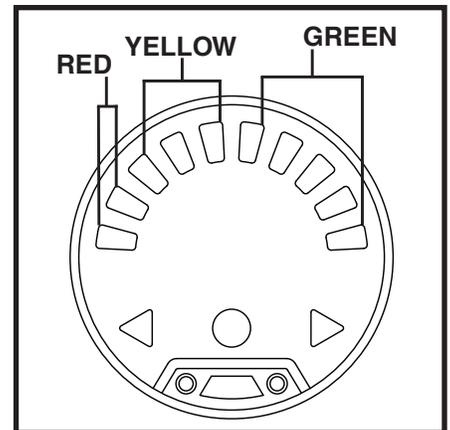


Figure 7. Battery Condition Meter



PROHIBITED! Removal of grounding prong can create electrical hazard. If necessary, properly install an approved 3-pronged adapter to an electrical outlet having 2-pronged plug access.



PROHIBITED! Never use an extension cord to plug in your battery charger. Plug the charger directly into a properly wired standard electrical outlet.



PROHIBITED! Do not allow unsupervised children to play near the vehicle while the battery is charging. Pride recommends that you do not charge the battery while the vehicle is occupied.



MANDATORY! Read the battery charging instructions in this manual and in the manual supplied with the battery charger before charging the battery.



WARNING! Explosive gases may be generated while charging the battery. Keep the vehicle and battery charger away from sources of ignition such as flames or sparks and provide adequate ventilation when charging the battery.

WARNING! You must recharge your vehicle's battery with the supplied off-board charger. Do not use an automotive-type battery charger.



WARNING! Inspect the battery charger, wiring, and connectors for damage before each use. Contact your authorized Pride Provider if damage is found.

WARNING! Do not attempt to open the battery charger case. If the battery charger does not appear to be working correctly, contact your authorized Pride Provider.

WARNING! If the battery charger is equipped with cooling slots, then do not attempt to insert objects through these slots.

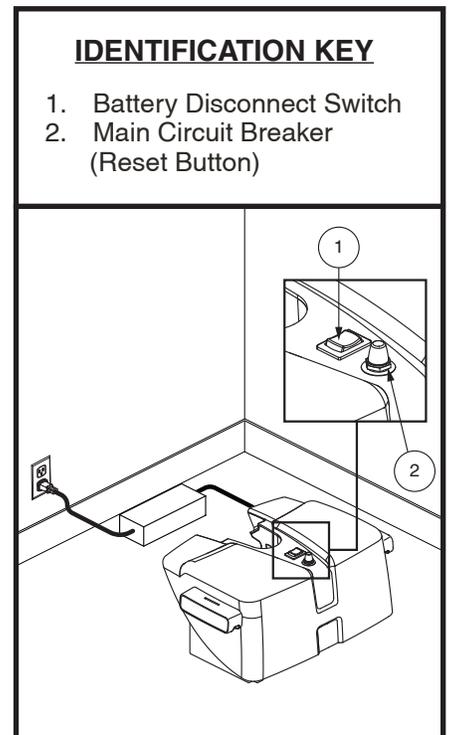


Figure 8. Battery Box Charging

III. BATTERIES AND CHARGING

WARNING! Be aware that the battery charger case may become hot during charging. Avoid skin contact and do not place on surfaces that may be affected by the heat.



WARNING! Do not attempt to operate your vehicle with depleted batteries, as you may become stranded.

WARNING! Battery chargers are not suitable to be used by children.



WARNING! If your battery charger has not been tested and approved for outdoor use, then do not expose it to adverse or extreme weather conditions. If the battery charger is exposed to adverse or extreme weather conditions, then it must be allowed to adjust to the difference in environmental conditions before use indoors. Refer to the manual supplied with the battery charger for more information.

Follow the 10 easy steps in figure 9 to charge your batteries safely:

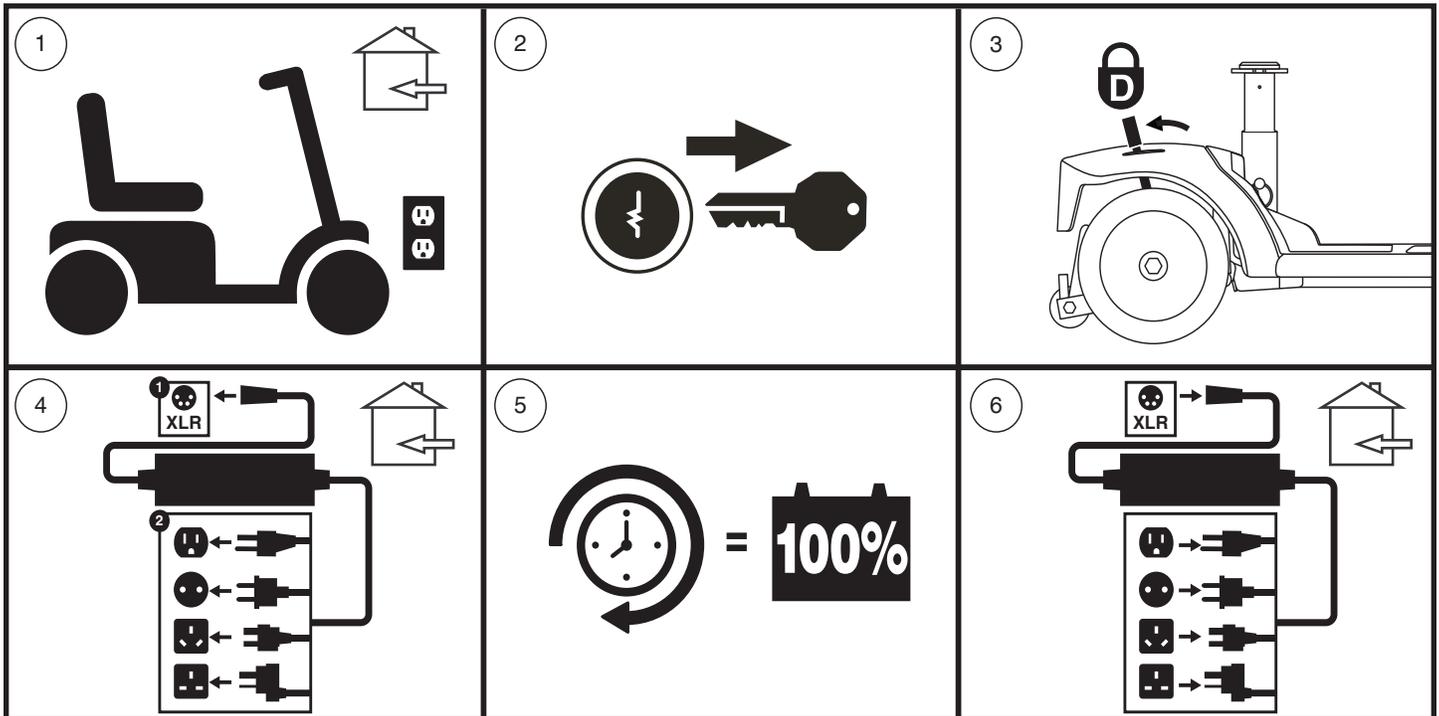


Figure 9. Battery Charging Procedures Diagram



WARNING! The LED lights on the charger indicate different charger conditions at various times. If the LED does not indicate that charging is complete within 24 hours, unplug the charger from the outlet and contact your Provider. Refer to the operating instructions supplied with the charger for a complete explanation of these indicators.

NOTE: There is a charger inhibit function on your vehicle. The vehicle will not run and the battery condition meter will not operate while the batteries are charging (when the battery pack is being charged on the vehicle).

NOTE: Ensure that the battery disconnect switch is in the “on” position (-) prior to charging your vehicle’s battery. The battery will NOT charge if the battery disconnect switch is in the “off” position (O). See figures 3 and 8.

In the event of an electrical issue or a thermal event, the battery power can be quickly disconnected so that the batteries can be removed from the vehicle and isolated for transport for service.



WARNING! When faced with an emergency situation, the batteries can be quickly disconnected by moving the battery disconnect switch to the “off” position (O). Use caution. Be advised that turning off power to the vehicle may cause the vehicle to stop abruptly. To release the emergency stop and restore driving capability to vehicle, move the battery disconnect switch to the “on” position (-). See figures 3 and 8.

III. BATTERIES AND CHARGING



WARNING! If the battery disconnect switch is engaged while your vehicle is in motion, the electronic brakes will engage and your vehicle will come to an abrupt stop.

FREQUENTLY ASKED QUESTIONS

How does the charger work?

When your vehicle's battery voltage is low, the charger works harder, sending more electrical current to the batteries to bring up their charge. As the batteries approach a full charge, the charger sends less and less electrical current. When the batteries are fully charged, the current sent from the charger is at nearly zero amperage. Therefore, when the charger is plugged in, it maintains the charge on your vehicle's batteries, but does not overcharge them. Refer to the manual supplied with the battery charger for charging instructions.

Can I use a different charger?

Chargers are selected precisely for particular applications and are especially matched to the type, size, and chemical formulation of specific batteries. For the safest and most efficient charging of your vehicle's batteries, we recommend use of the charger supplied as original equipment with your product only. Any charging method resulting in batteries being charged individually is especially prohibited.

What if my vehicle's batteries will not charge?

- Ensure that the fuse on the battery pack is in working condition. See figure 3.
- Ensure both ends of the charger power cord are inserted fully.
- Ensure the battery disconnect switch is on.

NOTE: Ensure that the battery disconnect switch is in the "on" position (-) prior to charging your vehicle's battery. The battery will NOT charge if the battery disconnect switch is in the "off" position (O). See figures 3 and 8.

How often must I charge the batteries?

Two major factors must be considered when deciding how often to charge your vehicle's batteries:

- All day use on a daily basis.
- Infrequent or sporadic use.

With these considerations in mind, you can determine how often and for how long you should charge your vehicle's batteries. The battery charger was designed so that it will not overcharge your vehicle's batteries. However, you may encounter some problems if you do not charge your batteries often enough and if you do not charge them on a regular basis. Following the guidelines below will provide safe and reliable battery operation and charging.

- If you use your vehicle daily, charge its batteries as soon as you finish using it for the day. Your vehicle will be ready each morning. We recommend that you charge your vehicle's batteries for at least 8 to 14 hours after daily use. We recommend that you charge the batteries for an additional 4 hours after the battery charger indicates that charging is complete.
- If you use your vehicle once a week or less, charge its batteries at least once a week for at least 24 hours.

NOTE: Keep your batteries fully charged and avoid deeply discharging your batteries. Refer to the manual supplied with the battery charger for charging instructions. We recommend charging your batteries for at least 48 continuous hours once per month to improve battery performance and battery life.

How can I ensure maximum battery life?

Fully charged deep-cycle batteries provide reliable performance and extended battery life. Keep your vehicle's batteries fully charged whenever possible. Protect your vehicle and batteries from extreme heat or cold. Batteries that are regularly and deeply discharged, infrequently charged, stored in extreme temperatures, or stored without a full charge may be permanently damaged, causing unreliable performance and limited service life.

NOTE: To extend battery life, always turn off vehicle and remove the key when not in use.

III. BATTERIES AND CHARGING

How can I get maximum range or distance per charge?

Rarely will you have ideal driving conditions—smooth, flat, hard driving surfaces with no wind or curves. Often, you will face hills, sidewalk cracks, uneven and loosely packed surfaces, curves, and wind, all of which affect the distance or running time per battery charge. Below are a few suggestions for obtaining the maximum range per battery charge.

- Always fully charge your vehicle's batteries prior to daily use.
- Plan your route ahead to avoid as many hills, cracked, broken, or soft surfaces as possible.
- Limit your baggage weight to essential items.
- Try to maintain an even speed while your vehicle is in motion.
- Avoid stop-and-go driving.
- We recommend charging your batteries for at least 48 continuous hours once per month to improve battery performance and battery life.
- Make sure all harness connections are secured properly.

What type and size of battery should I use?

Your vehicle requires one Lithium-Ion battery box. Refer to the product specification insert supplied with your owner's manual in the owner's package for more information.



WARNING! Corrosive chemicals are contained in batteries. Replace an original Lithium-Ion battery box with an approved replacement Lithium-Ion battery box to reduce the risk of leakage or explosive conditions.

NOTE: Sealed battery boxes are not serviceable.

Why do my new batteries seem weak?

Lithium-Ion batteries employ a different chemical technology than that used in car batteries, nickelcadmium batteries (nicads), and other common battery types. Lithium-Ion batteries are specifically designed to provide power, drain down their charge, and then accept a relatively quick recharge.

We work closely with our battery manufacturer to provide batteries that best suit your mobility product's specific electrical demands. During shipping, the batteries may encounter temperature extremes that can influence their initial performance. Heat diminishes the charge on the battery; cold slows the available power and extends the time needed to recharge the battery.

It may take a few days for the temperature of your mobility product's battery to stabilize and adjust to their new room or ambient temperature. More importantly, it takes a few charging cycles (partial draining followed by full recharging) to establish the critical chemical balance that is essential to a Lithium-Ion battery's peak performance and long life.

Follow these steps to properly break in your vehicle's new battery for maximum efficiency and service life.

1. Lithium-Ion batteries perform best with short or interval charging and partial discharges.
2. Operate your new vehicle in familiar and safe areas. Drive slowly at first, and do not travel too far from your home or familiar surroundings until you have become accustomed to your vehicle's controls, then fully recharge the battery.
3. After four or five charging cycles, the battery is able to receive a charge of 100% of peak performance level and are able to last for an extended period of time.

III. BATTERIES AND CHARGING

What about public transportation?

Lithium-Ion batteries are designed for application in vehicles and other mobility vehicles. These batteries meet Federal Aviation Administration (FAA) requirements (United States only), allowing safe transportation on aircraft, buses, and trains, as there is no danger of spillage or leakage. Transport of the item on commercial aircraft is subject to federal regulations and airline policy. We suggest you contact the carrier's ticket counter in advance to determine that carrier's specific requirements, and to ensure your vehicle and its battery are permitted.

What about air travel?

Lithium-Ion batteries are made in a variety of sizes and ratings for different uses. Not all Lithium-Ion batteries are rated for air travel. Your vehicle is labeled to indicate if the batteries are tested and comply with United Nations Transport Regulation standard UN38.3. Refer to the battery box of your vehicle to determine if the battery is rated for air travel.



Indicates that the battery in your vehicle has been tested and complies with United Nations Transport Regulations standard UN38.3. We suggest you contact the carrier's ticket counter in advance to determine that carrier's specific requirements, and to ensure your vehicle and its battery are permitted.



Indicates that the battery in your vehicle does NOT comply with United Nations Transport Regulations standard UN38.3.

How do I change a battery in my vehicle?

NOTE: Do not open or attempt to disassemble the battery box or attempt to replace the Lithium-Ion battery within the battery box. Contact your authorized Provider for a complete replacement battery box.

WARNING! ONLY USE batteries and a battery charger that have been supplied with your vehicle, or that have been tested and approved by the vehicle manufacturer for use in your specific model of vehicle. Using batteries or a battery charger that have not been tested and approved by the vehicle manufacturer may cause malfunction, including but not limited to a thermal event, which can cause serious personal injury and/or property damage.



WARNING! Contact your Provider if you have any questions regarding the batteries in your vehicle.

WARNING! Do not replace the batteries while the vehicle is occupied.

WARNING! The batteries on your vehicle should only be serviced or replaced by an authorized Provider or a qualified technician.

NOTE: If you encounter a damaged or cracked battery box, immediately enclose it in a plastic bag and contact your local waste disposal agency or authorized Provider for instructions on disposal and battery recycling which is our recommended course of action.

IV. OPERATION

BEFORE GETTING ONTO YOUR VEHICLE

- Have you fully charged the batteries? See III. “Batteries and Charging.”
- Is the manual freewheel lever in the drive (rearward) position? Never leave the manual freewheel lever in the forward position unless you are manually pushing your vehicle.
- Ensure the tiller lock knob is in the unlocked position. See VI. “Disassembly and Assembly.”
- Ensure the air temperature is between -13°F/-25°C to 122°F/50°C.

WARNING! We recommend that a DOT-approved safety helmet be worn at all times when operating your vehicle. As with any type of vehicle, it is the responsibility of the user to contribute to his/her own safety by adhering to applicable federal, state, and local laws, as well as laws set forth specifically for operation of vehicles. Failure to do so may result in personal injury.

WARNING! Your vehicle can be safely operated on uneven and unpacked terrain when the user follows all safety guidelines and is wearing a safety helmet approved by the DOT (US) or the governing body in other geographic areas. Be sure to familiarize yourself with and obey all safety helmet standards in your geographic area. The U.S. Department of Transportation (DOT) requires that DOT-approved helmets sold in the United States meet Federal Motor Vehicle Safety Standard (FMVSS) 218. Follow all DOT-approved helmet manufacturer’s instructions for fit, use, and care of your helmet. Failure to wear a helmet and/or follow all safety guidelines may result in personal injury, death and/or property damage.



WARNING! Use extreme caution when riding on wet and/or oily surfaces, sand, gravel, riverbeds, mud, snow, rocks, leaves, other natural or man-made terrain, and/or sloped terrain. There is an increased risk of loss of control, which can result in injury, death, and/or property damage.



WARNING! Avoid driving into and/or through water. Failure to electrical components may occur. Improper use of your vehicle under these conditions could void your warranty. Failure to heed and/or follow all safety guidelines may result in personal injury, death and/or property damage.

WARNING! During operation of this vehicle, users should follow all safety guidelines contained or referenced in this manual and all other supplemental materials, exercise caution and comply with all applicable federal state and local laws relating to operation of a motorized vehicle. Whenever operating this vehicle at or near maximum speed or on uneven or unpacked terrain, assure that the pathway is clear of obstructions and other hazards and wear a Department of Transportation approved safety helmet complying with FMVSS 218 to diminish the risk of head injury. Failure to heed these directives may result in property damage, personal injury or death.

GETTING ONTO YOUR VEHICLE

1. Make certain that the key is removed from the key switch.



WARNING! Never attempt to get onto or off of your vehicle without first removing the key from the key switch. This will prevent the vehicle from moving if accidental throttle control lever contact is made.

2. Stand at the side of your vehicle.
3. Disengage the seat rotation lever and rotate the seat until it is facing you.
4. Make certain that the seat is secured into position.
5. Position yourself comfortably and securely in the seat.
6. Disengage the seat rotation lever and rotate the seat until you are facing forward.
7. Make certain that the seat is secured into position.
8. Make certain that your feet are safely on the floorboard.

PRE-RIDE ADJUSTMENTS AND CHECKS

- Is the seat at the proper height? See V. “Comfort Adjustments.”
- Is the seat secured into place?
- Is the tiller at a comfortable setting and secured into place? See V. “Comfort Adjustments.”

IV. OPERATION

- Is the key fully inserted into the key switch and turned clockwise to the “on” position?
- Does the vehicle’s horn work properly?
- Is your proposed path clear of people, pets, and obstacles?
- Have you planned your route to avoid adverse terrain and as many inclines as possible?

NOTE: Use caution when operating your vehicle on delicate surfaces as scuffing and/or marking may occur.

OPERATING YOUR VEHICLE



WARNING! The following can adversely affect steering and stability while operating your vehicle:

- Holding onto or attaching a leash to walk your pet.
- Carrying passengers (including pets).
- Hanging any article from the tiller.
- Towing or being pushed by another motorized vehicle.

WARNING! Keep both hands on the tiller and your feet on the floorboard at all times while operating your vehicle. This driving position gives you the most control over your vehicle.

- Set the speed adjustment dial to your desired speed.
- Press your thumb against the appropriate side of the throttle control lever.
- The electromechanical disc park brake automatically disengages and the vehicle accelerates smoothly to the speed you preselected with the speed adjustment dial.
- Pull on the left handgrip to steer your vehicle to the left.
- Pull on the right handgrip to steer your vehicle to the right.
- Move the tiller to the center position to drive straight ahead.
- To stop, slowly release the throttle control lever. The electronic brakes will automatically engage when your vehicle comes to a stop.

NOTE: Your vehicle’s reverse speed is slower than that of the forward speed you preset with the speed adjustment dial.

GETTING OFF OF YOUR VEHICLE

1. Bring your vehicle to a complete stop.
2. Remove the key from the key switch.



WARNING! Never attempt to get onto or off of your vehicle without first removing the key from the key switch. This will prevent the vehicle from moving if accidental throttle control lever contact is made.

3. Disengage the seat rotation lever and rotate the seat until you are facing toward the side of your vehicle.
4. Make certain that the seat is secured into position.
5. Carefully and safely get out of the seat and stand to the side of your vehicle.
6. You can leave the seat facing to the side to facilitate boarding your vehicle next time.

POWER DOWN TIMER FEATURE

Your vehicle is equipped with an automatic power down timer feature designed to prevent your vehicle from moving if left unattended. If you mistakenly leave the key in the “on” position but do not use your vehicle for approximately 20 minutes, the vehicle’s controller shuts down automatically. Although the controller is shut down, power will still be supplied to the vehicle’s electrical system.

If the power down timer feature takes effect, perform the following steps to resume normal operation.

1. Remove the key from the key switch.
2. Reinsert the key and power up your vehicle.

V. COMFORT ADJUSTMENTS

TILLER ANGLE ADJUSTMENT (See figure 13)

WARNING! Remove the key from the key switch before adjusting the tiller or the seat. Never attempt to adjust the tiller or the seat while the vehicle is in motion.



WARNING! Prior to operating the vehicle, push and pull on the tiller to ensure that the angle adjustment mechanism is secure. Inspect the tiller adjustment knob and the angle adjustment mechanism to ensure that they are fully engaged. If there is movement in the tiller, check to make sure that the tiller adjustment knob is fully tightened.

NOTE: In order to fully lower the tiller, you must first remove the seat and battery pack. Remove the seat by pulling it straight up and off of the vehicle.

SEAT ROTATION ADJUSTMENT

The seat rotation lever, located on the right side of the seat base, secures the seat into several positions. See figure 14.

1. Pull up on the seat rotation lever to disengage the seat.
2. Rotate the seat to the desired position.
3. Release the lever to secure the seat into place.

ARMREST WIDTH ADJUSTMENT

The armrest width can be adjusted inward or outward.

1. Loosen the armrest adjustment knobs. See figure 11.
2. Use the attached ring to pull and remove the detent pins.
3. Slide the armrests in or out to the desired width.
4. Align the adjustment holes on the seat frame and armrest, then reinsert the detent pins.
5. Tighten the armrest adjustment knobs.

NOTE: Pivot the armrests upward to aid in getting onto and off of your vehicle.

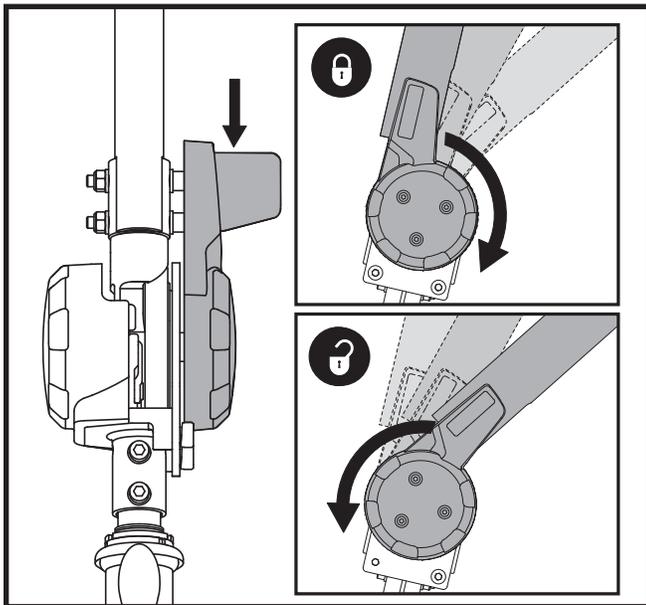


Figure 10. Tiller Adjustment Knob

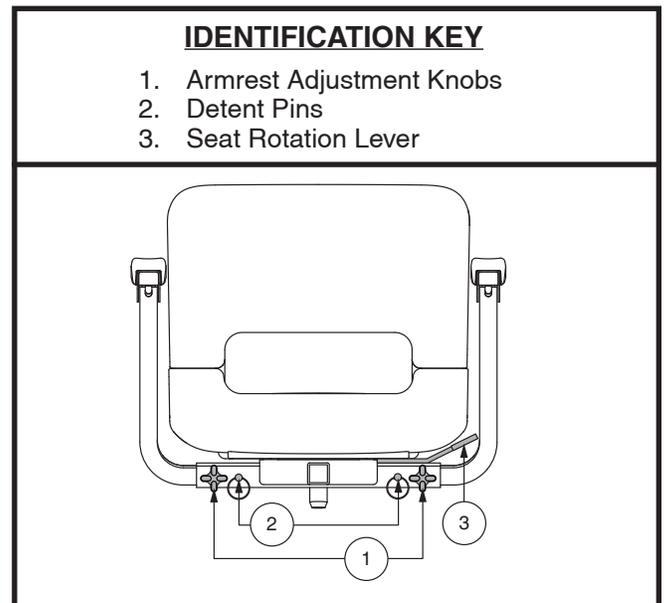


Figure 11. Seat Adjustments

V. COMFORT ADJUSTMENTS

SEAT HEIGHT ADJUSTMENT

The seat can be repositioned to different heights. See figure 12.

1. Remove the seat and battery pack from your vehicle.
2. Use the attached ring to pull and remove the detent pin from the lower seat post.
3. Raise or lower the upper seat post to the desired seat height.
4. While holding the upper seat post at that height, align the adjustment holes of the upper and lower seat posts.
5. Fully insert the detent pin.
6. Replace the battery pack and seat.

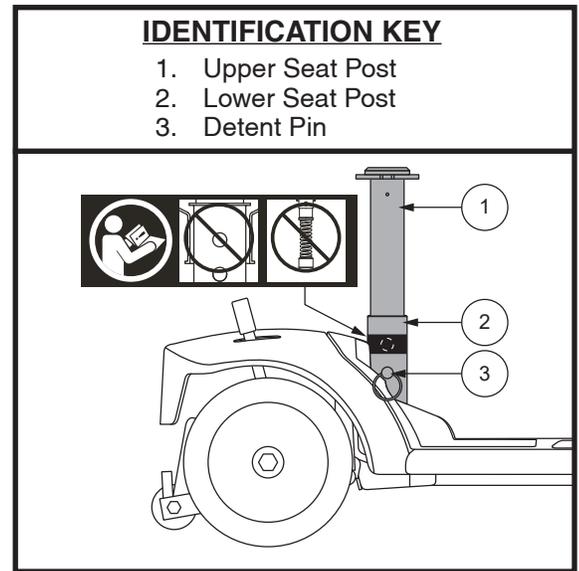


Figure 12. Seat Height Adjustment

V. COMFORT ADJUSTMENTS

SEAT SUSPENSION ADJUSTMENT (IF EQUIPPED)

The seat post acts as a shock absorber and can be adjusted for different degrees of ride comfort. The spring included in your vehicle is configured to work up to 300 lbs. (136 kg) weight capacity of the vehicle. Located in your Owner's Package is a heavier secondary weight spring for those customers who are heavier in weight, or prefer a less soft ride.

NOTE: *Installing the heavier secondary weight spring may result in the seat suspension becoming ineffective if the user's weight is on the lower end of the spring tolerance. If the heavier secondary weight spring is used and the seat suspension doesn't feel effective, then the standard spring should then be used.*

To make seat post ride adjustments:

1. Remove the seat from the vehicle.
2. Remove the upper seat post from the vehicle by removing the shoulder bolt from the lower portion of the seat post, then lifting the post straight up and off the vehicle. **See figure 13.**
3. Remove the standard spring.
4. Insert the heavier secondary weight spring.
5. Reinstall the upper seat post.
6. Reinstall the shoulder bolt.
7. Reinstall the seat.

NOTE: *Do not install the seat post in the upper hole with the suspension seat. See figure 13. Doing so will make the suspension seat post inoperable.*

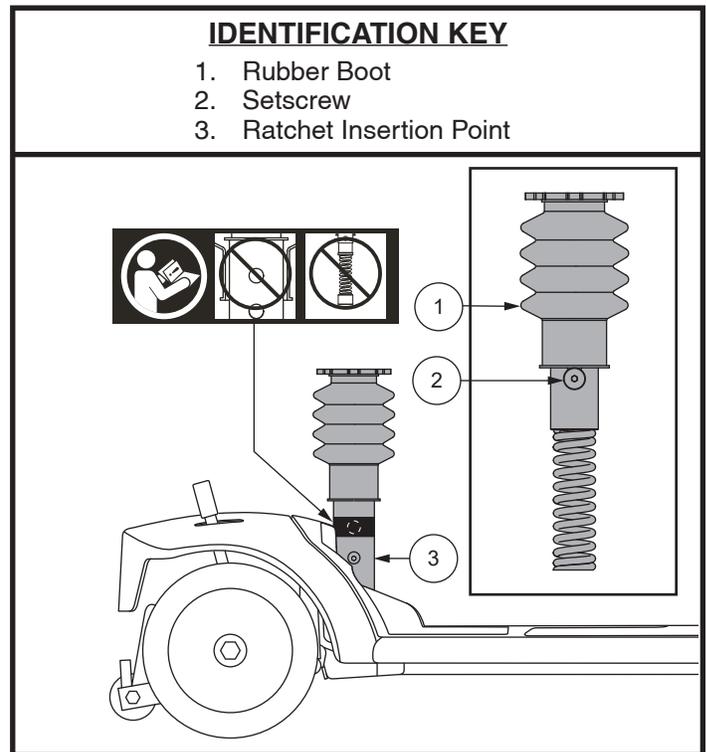


Figure 13. Seat Suspension Adjustment

V. COMFORT ADJUSTMENTS

POSITIONING BELT (OPTIONAL)

Your vehicle seat may be equipped with an auto-type positioning belt that can be adjusted for operator comfort. See figure 14. The positioning belt is designed to help support the operator so that he or she does not slide down or forward in the seat. The positioning belt is not designed for use as a restraining device.



WARNING! The positioning belt should be secured at all times. Never allow the positioning belt to hang or drag on the floor as it may become entangled.

To install the positioning belt (if required):

1. Remove the seat from your vehicle.
2. Place the seat upside down so that you can see the bottom of the seat base. See figure 14.
3. Use a wrench to remove the two rear bolts on the outermost part of the seat frame.
4. Insert the bolt through the appropriate ends of the positioning belt and then reinstall the bolts back into the seat frame.
5. Tighten the bolts.

To adjust the positioning belt for operator comfort:

1. Insert the metal tab on the right side of the belt into the plastic housing on the opposite strap until you hear a “click.” See figure 15.
2. Pull the strap on the right side of the belt until it is secure, but not so tight as to cause discomfort.

To release the positioning belt:

1. Press the push button mechanism on the plastic housing.

MANDATORY! Make sure the positioning belt is properly secured to the vehicle and is adjusted for operator comfort before each use.



MANDATORY! Inspect the positioning belt for loose parts or damage, including tears, worn spots, bent hardware, or damaged latch mechanisms, dirt or debris, before each use of the vehicle. If you discover a problem, contact your authorized Provider for maintenance and repair.

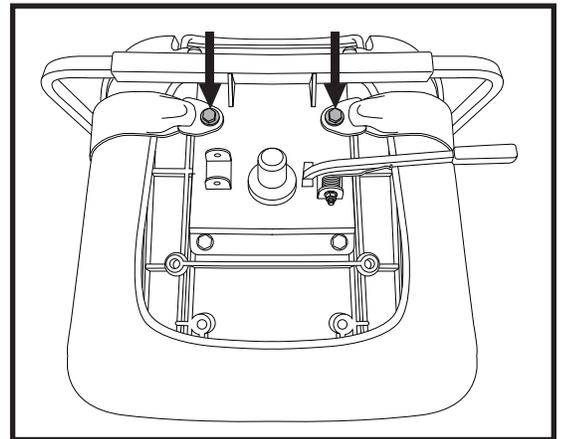


Figure 14. Positioning Belt Bolts

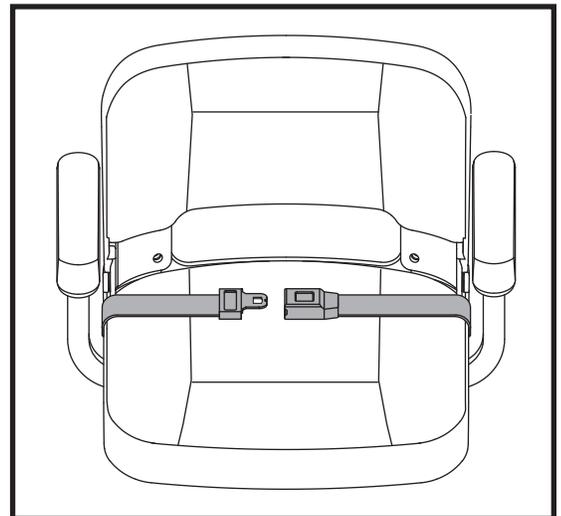


Figure 15. Positioning Belt - Metal Tab Style

VI. DISASSEMBLY AND ASSEMBLY

EN

DISASSEMBLY

You can disassemble the vehicle into several pieces: the seat, the rear section, the front section, the basket, the battery pack, and the battery shroud. See **figure 16**. No tools are required to disassemble or assemble your vehicle. Always disassemble or assemble your vehicle on a level, dry surface with sufficient room for you to work and move around—about 5 feet (1.5 meters) in all directions. Remember that some vehicle components are heavy and you may need assistance when lifting them.



WARNING! Do not lift weight beyond your physical capability. Ask for assistance when necessary while disassembling or assembling your vehicle.

WARNING! Do not pick up the seat frame or vehicle by the armrests. They are free to pivot, and you may lose control of the seat if they do so.

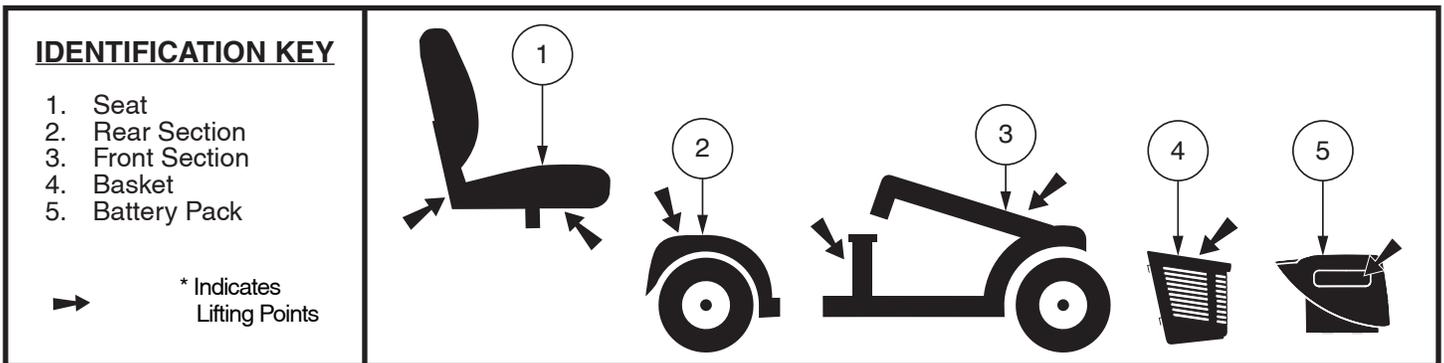


Figure 16. Disassembled vehicle

DISASSEMBLY PROCEDURES

To disassemble your vehicle:

1. Remove the key from the key switch and then lock the tiller in the straight ahead position by pushing the tiller lock knob in and turning it clockwise 90°. See **figure 17**. The front wheel must face forward in order to lock the tiller.
2. Remove the seat by lifting it straight up and off of the vehicle. If you encounter resistance when removing the seat, disengage the seat rotation lever and swivel the seat back and forth while lifting up on the seat.
3. Remove the battery pack(s) by lifting the pack straight up and off of the vehicle.

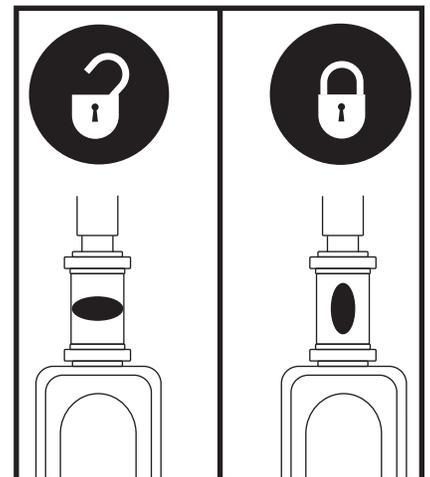


Figure 17. Tiller Lock Knob

VI. DISASSEMBLY AND ASSEMBLY

FRAME SEPARATION

To separate frame:

1. With the seat and battery pack removed (see Disassembly Procedures on previous page), lower the tiller and tighten the tiller adjustment knob. See **figure 10**.
2. Lift up on the frame release lever, and pivot the rear section backwards, until the frame hooks are no longer resting on the lower frame tube.
3. Slowly separate the two sections of the vehicle. See **figure 18**.

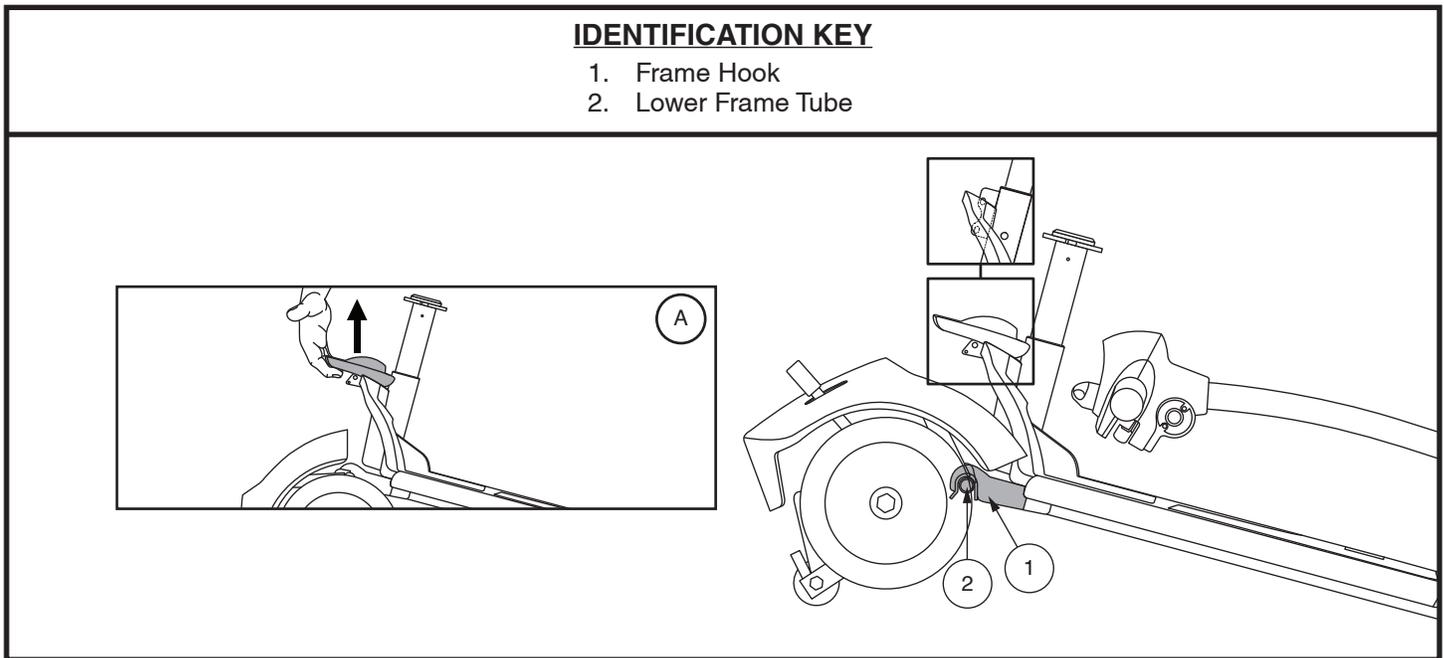


Figure 18. Frame Release Lever

ASSEMBLY

To assemble your vehicle:

1. Use the frame release lever to lift the front section as you align the frame hooks of the front section with the lower frame tube of the rear section. See **figure 18**.
2. Once the frame hooks are over the lower frame tube, lower the front section and pivot the rear section simultaneously. This will engage the frame lock-up automatically. See **figure 18**.
3. Raise the tiller and fully tighten the tiller adjustment knob. See **figure 10**.
4. Reinstall the battery pack(s).
5. Reinstall the seat and rotate it until it is secured into place.
6. Unlock the tiller by turning the tiller lock knob 90° counterclockwise. See **figure 17**.



WARNING! After assembly, make absolutely certain the tiller lock knob is in the unlocked position before riding your vehicle.

VII. BASIC TROUBLESHOOTING

EN

Any electromechanical device occasionally requires some troubleshooting. However, most of the problems that may arise can usually be solved with a bit of thought and common sense. Many of these problems occur because the batteries are not fully charged or because the batteries are worn down and can no longer hold a charge.

DIAGNOSTIC CODES

The diagnostic codes for your vehicle are designed to help you perform basic troubleshooting quickly and easily. A diagnostic code will sound and/or flash in the event one of the conditions listed below develops. Depending on the model you own, your vehicle will communicate by one of the coding methods as follows:

1. A diagnostic code will begin, depending on model, with a series of fast beeps and/or flashes directly followed by slower beeps and/or flashes which indicates the actual code. The code is only beeped and/or blinked once. To repeat the diagnostic code, remove the key, then reinsert it and turn it to the “on” position, **OR**
2. A diagnostic code will identify the condition, pause, then repeat the code. The diagnostic code will continue to alert you in this manner until the vehicle is turned off.

NOTE: *Your vehicle will not run unless the diagnostic code condition is resolved and the vehicle has been turned off, then turned back on.*

NOTE: *Ensure that the battery disconnect switch is in the “on” position (-) prior to charging your vehicle’s battery. The battery will NOT charge if the battery disconnect switch is in the “off” position (O). See figures 3 and 8.*

DIAGNOSTIC CODE	CONDITION	SOLUTION
■ (1)	Battery voltage is too low to operate the vehicle.	Charge batteries as soon as possible.
■ ■ (2)	Battery charge is too low.	Charge batteries.
■ ■ ■ (3)	The vehicle’s battery voltage is too high to operate the vehicle, or the charger is still connected to the off-board charger port.	Unplug charger and/or turn key off, then back on again. If traveling down a slope, reduce vehicle speed to the minimum setting.
■ ■ ■ ■ (4)	Current limit time out.	Turn the vehicle off for a few minutes, then turn your vehicle back on.
■ ■ ■ ■ ■ (5)	The manual freewheel lever is in the (forward) freewheel position.	Remove the key from the key switch, then push the manual freewheel lever to the drive (rearward) position and restart your vehicle.
■ ■ ■ ■ ■ ■ (6)	Throttle control lever not at center position at start up.	Verify that the batteries are fully charged. If the batteries are fully charged, then return the throttle control lever to center position, turn vehicle off then back on.
■ ■ ■ ■ ■ ■ ■ (7)	Speed pot error.	Contact your authorized Provider for assistance.
■ ■ ■ ■ ■ ■ ■ ■ (8)	Motor volts error.	Contact your authorized Provider for assistance.
■ ■ ■ ■ ■ ■ ■ ■ ■ (9)	Other internal errors.	Contact your authorized Provider for assistance.

What if my vehicle does not move when I press the throttle control lever?

- When the manual freewheel lever is pushed forward, the brakes are disengaged and all power to the motor/transaxle assembly is cut.
- Pull back on the manual freewheel lever, turn the vehicle off, and then back on to return to normal operation.

VII. BASIC TROUBLESHOOTING

What if all the systems on my vehicle seem to be “dead”?

- Make certain that the key is in the “on” position.
- Check that the batteries are fully charged.
- Push in the main circuit breaker reset button. See II. “Your Vehicle.”
- Make certain that the battery pack is seated properly.
- Be sure the power down timer feature has not been activated. See IV. “Operation.”
- Check the tiller console fuse located under the battery pack.
- Ensure the battery disconnect switch is on.

NOTE: Ensure that the battery disconnect switch is in the “on” position (-) prior to charging your vehicle’s battery. The battery will NOT charge if the battery disconnect switch is in the “off” position (O). See figures 3 and 8.

To check a fuse:

1. Remove the fuse by pulling it out of its slot.
2. Examine the fuse to be sure it is blown. See **figure 19**.
3. Insert a new fuse of the proper rating.



WARNING! The replacement fuse must exactly match the rating of the old fuse. Failure to use properly rated and approved fuses may cause damage to the electrical system.

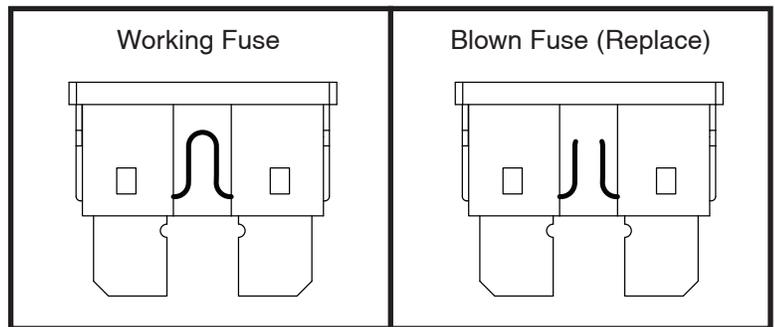


Figure 19. Fuse Replacement

What if the vehicle’s batteries won’t charge?

- Check the fuse located on the battery pack or the console. Replace if necessary.
- During the charging process, if the charger LEDs never indicate a full charge, check the fuse located on the battery pack or the console. Replace if necessary, or have your authorized Provider or qualified technician check and/or replace the fuse.
- Ensure both ends of the charger power cord are connectly properly.
- Ensure the battery disconnect switch is on.
- If the battery pack fuse continually blows, contact your authorized Provider for service.

NOTE: Ensure that the battery disconnect switch is in the “on” position (-) prior to charging your vehicle’s battery. The battery will NOT charge if the battery disconnect switch is in the “off” position (O). See figures 3 and 8.

What if the main circuit breaker repeatedly trips?

- If the main circuit breaker trips repeatedly, see your authorized Provider for service.
- Charge the vehicle’s batteries more frequently. See III. “Batteries and Charging.”
- See III. “Batteries and Charging” or “Product Specifications Sheet” for information about your vehicle’s battery type.

What if the battery condition meter dips way down and the motor surges or hesitates when I press the throttle control lever?

- Fully charge your vehicle’s batteries. See III. “Batteries and Charging.”

If you experience any problems with your vehicle that you are not able to solve, immediately contact your authorized Provider for information, maintenance, and service.

VIII. CARE AND MAINTENANCE

Your vehicle requires a minimal amount of care and maintenance. If you do not feel confident in your ability to perform the maintenance listed below, you may schedule inspection and maintenance at your authorized Provider. The following areas require periodic inspection and/or care and maintenance.

TIRES

Regularly inspect your vehicle's tires for signs of damage or wear.

WHEEL REPLACEMENT – SOLID TIRES

If your vehicle is equipped with solid tire inserts and you have a damaged or worn tire, the entire wheel must be replaced. Contact your authorized Provider for information regarding replacement wheels for your vehicle.

WARNING! Wheels on your vehicle should only be serviced/replaced by a qualified technician.



WARNING! Be sure that the key is removed from the key switch and the vehicle is not in freewheel mode before performing this procedure.

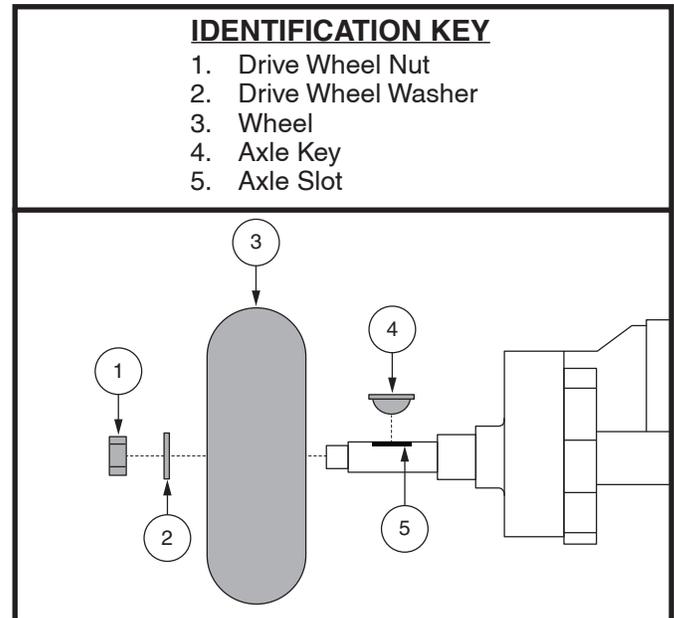


Figure 20. Wheel Replacement

Follow these easy steps for a quick and safe repair for solid tires:

1. Remove the key from the key switch and ensure your vehicle is not in freewheel mode.
2. Elevate the side of the vehicle of which you are removing the tire. Place wooden blocks under the frame to elevate the vehicle.
3. Remove the drive wheel nut and washer from the axle. **See figure 20.**
4. Pull the wheel off the axle.
5. Slide the new wheel onto the axle. Make sure the the axle key is in the axle slot.



WARNING! Ensure that the axle key is properly installed into the axle slot when mounting the wheel. If not installed securely, the braking system is disengaged which may cause personal injury and/or product damage may result.

6. Reinstall the washer and drive wheel nut onto the axle and tighten.



WARNING! Make sure that both the nut and washer are reinstalled and tightened properly.

7. Remove the blocks from beneath the vehicle.

TIRE PRESSURE – PNEUMATIC TIRES

- If equipped with pneumatic tires, always maintain the psi/bar/kPa air pressure rating indicated on each tire.



WARNING! It is important that the psi/bar/kPa air pressure rating indicated on each tire be maintained in pneumatic tires at all times. Do not underinflate or overinflate your tires. Low pressure may result in loss of control and overinflated tires may burst. Failure to maintain the psi/bar/kPa air pressure rating indicated on the tires at all times may result in tire and/or wheel failure.

- Regularly inspect your vehicle's tires for signs of damage or wear.

VIII. CARE AND MAINTENANCE

WHEEL REPLACEMENT— PNEUMATIC TIRES

If your vehicle is equipped with pneumatic tires and you have a flat tire, you can have the tube replaced. Contact your authorized Provider for information regarding replacement wheels for your vehicle.

WARNING! Wheels on your vehicle should only be serviced/replaced by a qualified technician.



WARNING! Be sure that the key is removed from the key switch and the vehicle is not in freewheel mode before performing this procedure.

WARNING! When changing a pneumatic tire, remove only the lug nuts, then remove the wheel. If any further disassembly is required, deflate the tire COMPLETELY or it may explode.

Follow these easy steps for a quick and safe repair for pneumatic tires:

1. Remove the key from the key switch and ensure your vehicle is not in freewheel mode.
2. Elevate the side of the vehicle of which you are removing the tire. Place wooden blocks under the frame to elevate the vehicle.
3. If you are replacing the tube, deflate the tire **completely** before taking it off the hub.
4. Remove the lug nuts from the hub. See **figure 21**.
5. Remove the drive wheel from the axle.
6. Remove the screws and separate the rim halves. See **figure 22**.
7. Remove the old tube from the pneumatic tire and replace it with a new tube.
8. Reassemble the rim halves.
9. Slide the wheel back onto the hub.
10. Reinstall the lug nuts and tighten.



WARNING! Ensure that the axle key is properly installed into the axle slot when mounting the wheel. If not installed securely, the braking system is disengaged which may cause personal injury and/or product damage may result.

11. Inflate pneumatic tires to the psi/bar/kPa air pressure rating indicated on each tire.
12. Remove the blocks from beneath the vehicle.

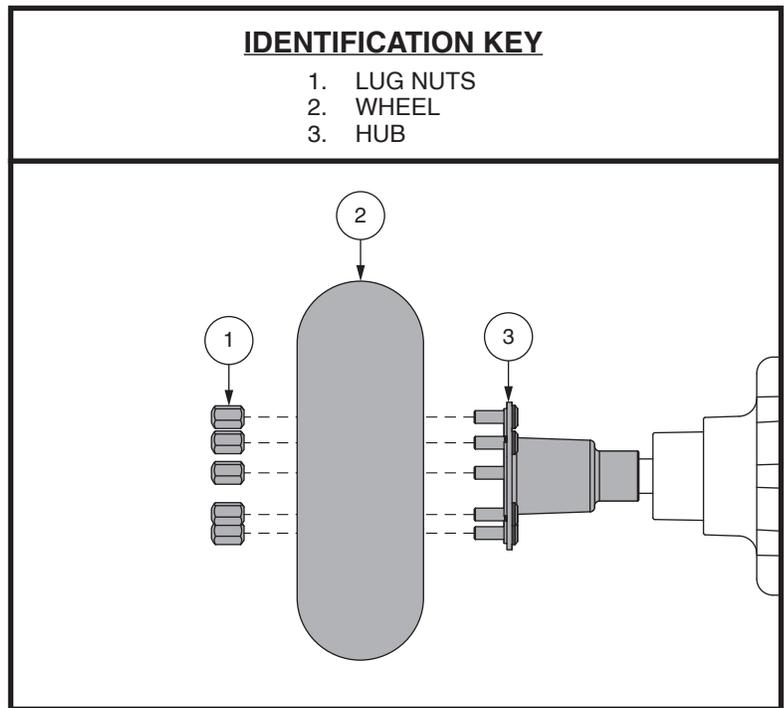


Figure 21. Wheel Replacement

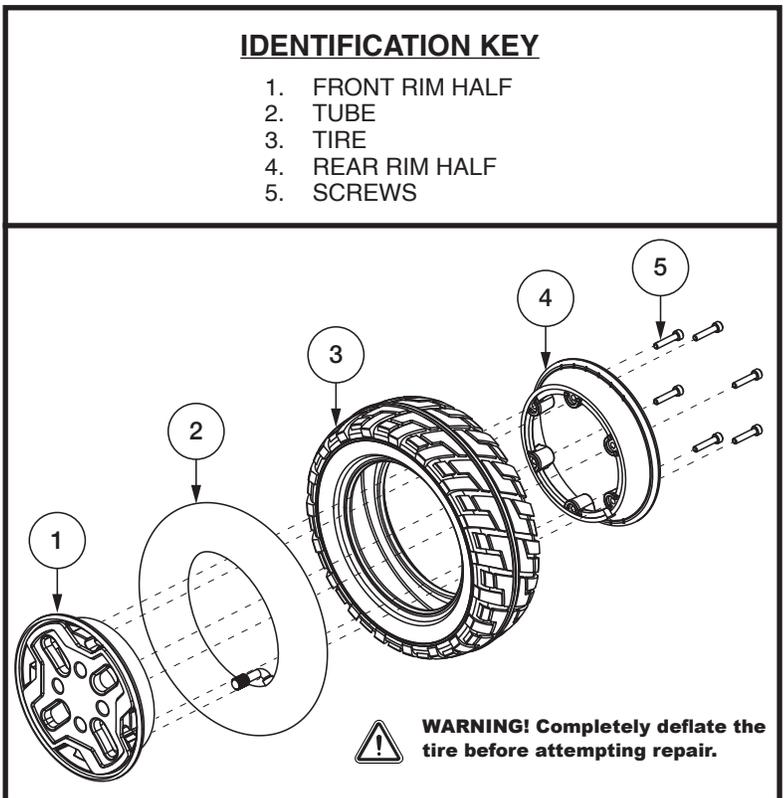


Figure 22. Pneumatic Drive Wheel Disassembly/Assembly

VIII. CARE AND MAINTENANCE

EXTERIOR SURFACES

Bumpers, tires, and trim can benefit from an occasional application of a rubber or vinyl conditioner.



WARNING! Do not use a rubber or vinyl conditioner on the vehicle's vinyl seat or tire tread. They will become dangerously slippery.

CLEANING AND DISINFECTION

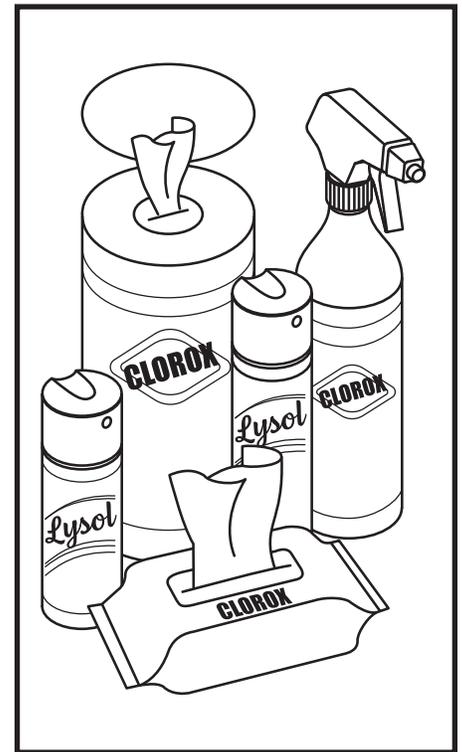
Precautions must be taken when cleaning equipment/devices to lower the risk of spreading infection. This is to limit the spread of illness and other potentially infection material (OPIM) (blood components).

- Use a damp cloth and mild, non-abrasive cleanser to clean the plastic and metal parts of your vehicle. Avoid using products that may scratch the surface of your vehicle.
- If necessary, clean your product with an approved disinfectant. Make sure the disinfectant is safe for use on your product before application.

HOW TO CLEAN/DISINFECT EQUIPMENT:

HARD/SOFT SURFACES (Plastic shrouds, metal framing, seat fabric, tires, armrests and footplate mats, as applicable)

- For hard/soft surfaces, remove visible contamination if present.
 - For plastic and metal use Lysol®/Clorox® disinfecting spray/wipes and other qualified SARS-CoV-2 disinfecting products.
 - For other vinyl surfaces, clean with vinyl safe disinfecting wipes or solutions.
 - Suggested Disinfectants
 - Birex® SE Disinfectant, Bleach-Rite® Disinfecting Spray, Citrace® Germicide
 - Dispatch® Spray Hospital Cleaner Disinfectant with Bleach
 - Diluted Bleach Solution (10% dilution or less); Note: Bleach with pH factor between 7 and 9 is suitable; a product with a pH of 10.5 or higher may damage the vinyl surface integrity over an extended period of time.
 - Disinfecting Wipes
 - Clorox, Green Works, PDI Sani-Cloth HB Wipes, Lysol, Oxivir, Virox, and CaviWipes.
 - For Tire cleaning, clean with off the shelf tire/wheel cleaners



ELECTRONICS (Joystick controller, enhanced displays, touch screens, remote controls, keyboards, cell phones and tablets, as applicable)

- For electronics, remove visible contamination if present.
 - Turn off device and disconnect batteries.
 - Never spray any liquids directly into the product(s).
 - Moisten a microfiber cloth with a mixture of 70% isopropyl alcohol/30% water solution. The cloth should be damp, but not dripping or excessively wet. Dry surfaces thoroughly to avoid pooling of liquids and prior to boxing.



WARNING! Follow all safety instructions for the proper use of the disinfectant and/or cleaning agent before applying it to your product. Failure to comply may result in skin irritation or premature deterioration of upholstery and/or vehicle finishes.

VIII. CARE AND MAINTENANCE



WARNING! Never hose off your vehicle or place it in direct contact with water. Your vehicle has a painted, ABS plastic body shroud that allows it to be easily wiped clean with a damp cloth.

WARNING! Never use any chemicals to clean a vinyl seat, as they may cause the seat to become slippery or dry out and crack. Use soapy water and dry the seat thoroughly.

BATTERY TERMINAL CONNECTIONS

Make certain that the terminal connections remain tight and are not corroded.

WIRING HARNESSSES

- Regularly check all wiring connections.
- Regularly check all wiring insulation, including the charger power cord, for wear or damage.
- Have your authorized Provider repair or replace any damaged connector, connection, or insulation that you find before using your vehicle again.



PROHIBITED! Even though the vehicle has passed the necessary testing requirements for ingress of liquids, you should keep electrical connections away from sources of dampness, including direct exposure to water or bodily fluids and incontinence. Check electrical components frequently for signs of corrosion and replace as necessary.



WARNING! Do not pull on electrical harnesses directly to detach them from the vehicle. Always grasp the connector itself when disconnecting the harness to prevent wire damage.

DAILY CHECKS

- With the power turned off, check the throttle. Make sure it is not bent or damaged and that it returns to the neutral position when you release it. Do not try to repair it. See your authorized Provider if there is a problem.
- Visually inspect the tiller cable. Make sure that it is not frayed, cut, or has any wires exposed. See your authorized Provider if there is a problem.
- Check for flat spots on solid tires. Flat spots could adversely affect stability.
- Inspect the armrests for loose hardware, stress points, or damage. See your authorized Provider if there is a problem.
- Check the brakes. This test should be carried out on a level surface with at least 3 feet (1 meter) of clearance around your vehicle.

To check the brakes:

1. Turn on the power and turn down the speed level of your vehicle.
2. After one second, check the battery condition meter. Make sure that it remains on.
3. Slowly pull the throttle forward until you hear the electric brakes click. Immediately release the throttle. You must be able to hear the electrical brake operating within a few seconds of throttle movement. Repeat this test by pulling the throttle in the opposite direction.

WEEKLY CHECKS

- Inspect the controller and charger connectors for corrosion. Contact your authorized Provider if necessary.

MONTHLY CHECKS

- Check for tire wear. See your authorized Provider for repair.
- Keep you vehicle clean and free of foriegn material, such as mud, dirt, hair, food, drink, etc.

YEARLY CHECKS

Take your vehicle to your authorized Provider for yearly maintenance, especially if you use your vehicle on a daily basis. This helps ensure that your vehicle is functioning properly and helps prevent future complications.

VIII. CARE AND MAINTENANCE

ABS PLASTIC SHROUDS

If your vehicle has a body shroud with a **glossy finish**, the body shroud has been sprayed with a clear sealant coating. You can apply a light coat of car wax to help it retain its high-gloss appearance. If your vehicle has a body shroud with a **matte finish**, use ONLY products developed for matte-finish paint. Do not use wax, detail spray, ArmorAll®, or any product made for glossy paint.



WARNING! Carefully choose the correct product to protect the finish of your vehicle's shroud(s). ONLY products developed for matte-finish paint should be used on shrouds with a matte finish. Failure to follow this warning may result in damage to the shroud's matte paint finish.

AXLE BEARINGS AND THE MOTOR/TRANSAXLE ASSEMBLY

These items are all prelubricated, sealed, and require no subsequent lubrication.

CONSOLE, CHARGER AND REAR ELECTRONICS

- Keep these areas free of moisture.
- Allow these areas to dry thoroughly if they have been exposed to moisture before operating your vehicle again.

NYLON LOCK NUT REPLACEMENT

Any nylon insert lock nut removed during the periodic maintenance, assembly, or disassembly of the vehicle must be replaced with a new nut. Nylon insert lock nuts should not be reused as it may cause damage to the nylon insert, resulting in a less secure fit. Replacement nylon insert lock nuts are available at local hardware stores or through your authorized Provider.

STORING YOUR VEHICLE

If you plan on not using your vehicle for an extended period of time, it is best to:

- Fully charge its batteries prior to storage.
- Remove the battery pack from the vehicle.
- Store your vehicle in a warm, dry environment.
- Avoid storing your vehicle where it will be exposed to temperature extremes.
- Although your vehicle can withstand short-term storage temperatures between -40°F (-40°C) to 149°F (65°C), it is recommended that long-term storage temperatures be between -13°F (-25°C) and 122°F (50°C). Ideal storage conditions are 68°F (20°C) to 70°F (21°C) wherever possible, but we realize that is not always feasible due to different climates and environments.

Batteries that are regularly and deeply discharged, infrequently charged, stored in extreme temperatures, or stored without a full charge may be permanently damaged, causing unreliable performance and limited service life. It is recommended that you charge the vehicle batteries periodically throughout periods of prolonged storage to ensure proper performance.



WARNING! Always protect batteries from freezing temperatures and never charge a frozen battery. Charging a frozen battery can result in damage to the battery.

For prolonged storage, you may wish to place several boards under the frame of your vehicle to raise it off of the ground. This takes the weight off the tires and reduces the possibility of flat spots developing on the areas of the tires contacting the ground.

DISPOSAL OF YOUR VEHICLE

Your vehicle must be disposed of according to applicable local and national statutory regulations. Contact your local waste disposal agency or authorized Provider for information on proper disposal of packaging, metal frame components, plastic components, electronics, batteries, neoprene, silicone, and polyurethane materials.



WARNING! Plastic bags are a suffocation hazard. Dispose of plastic bags properly and do not allow children to play with them.

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