

# Owner's Manual



➤ P710A

Welcome aboard your new Big Boy Powerbase Wheelchair. We wish to thank you for letting us improve your freedom and independence. This model has been designed with your practical needs in mind. It is equipped with modern high-tech electronics and special features for a more comfortable ride. Its safety and performance will provide you with years of excellent service and pleasure.

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## Quick Reference Guide

1. Controller
2. Joystick
3. Armrest
4. Cover
5. Drive wheel
6. Caster wheel
7. Footplate

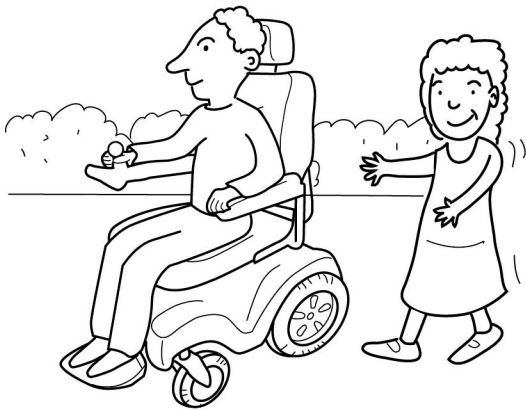


Model No.	P710A
Length	45"~46.5"
Width	27"
Seat height (from ground)	22~23"
Front wheel	9"
Rear wheel	12"
Weight Capacity	600 lbs
Speed	max 5 mph
Range	max 32 miles
Turning Radius	32.5"
Battery	GP 24 x 2
Brakes	Intelligent, regenerative and electromagnetic brakes
Anti-tip	2 rear anti-tip wheels
Charger	6A off-board 100-240v 50~60HZ

Failure to follow these instructions may result in damage to the power wheelchair or serious injury.

## ■ Practice before operating

Find an open area such as a park and have an assistant to help you practice until you have confidence operating this vehicle.

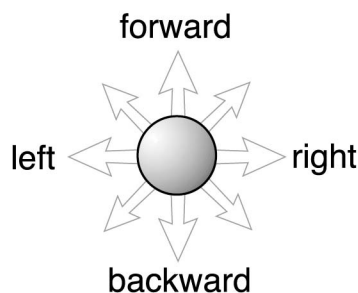


Make sure that the power is off before getting in or out of the seat. Set the speed control button according to your driving ability.

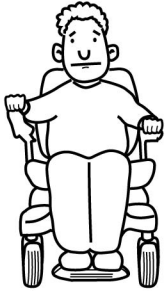
**We recommend that you keep the speed control at the slowest position until you are familiar with the driving characteristics of this vehicle.**

## Stop, forward, and reverse operation practice

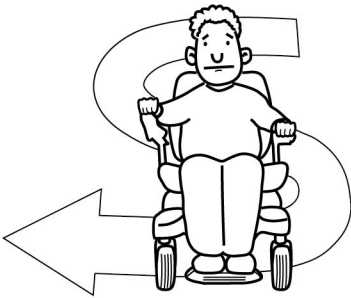
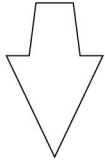
Push the lever in the direction you want to move and the chair will move accordingly.



## Getting familiar with this vehicle



First, practice moving forward.  
Be sure to set the speed to the lowest setting.



After becoming familiar with moving forward, practice making "S" turns.



Once you are familiar with "S" turns, practice moving in reverse. Note that for any speed control setting, the vehicle moves more slowly in reverse than forward

## ■ Safety considerations

DO NOT do any of the following:

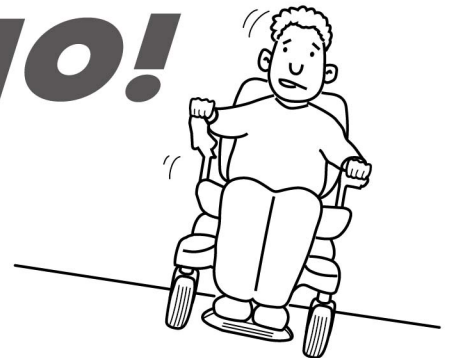
Do not carry any passengers

**NO!**



Do not drive across a slope

**NO!**



Do not drink and drive

**NO!**

Consult your physician to determine if your medications impair your ability to control this vehicle



Do not tow a trailer

**NO!**



Do not turn on or use hand-held personal communication devices such as citizens band (CB) radios and cellular phones

**NO!**



This vehicle has an immunity level of 20 v/m which should protect it from Electromagnetic Interference (EMI) from radio wave sources. The rapid development of electronics, especially in the area of communications, has saturated our environment with electromagnetic (radio) waves that are emitted by television, radio and communication signals. These EM waves are invisible and their strength increases as one approaches the source. All electrical conductors act as antennas to the EM signals and, to varying degrees, all power wheelchairs and power scooters are susceptible to electromagnetic interference (EMI). This interference could result in abnormal, unintentional movement and/or erratic control of the vehicle. The United States Food and Drug Administration (FDA) suggests that the following statement be incorporated to the user's manual for all electric power wheelchairs:

Powered wheelchairs and electric power scooters (in this text, both will be referred to as powered wheelchairs) may be susceptible to electromagnetic interference (EMI), which is interfering electromagnetic energy emitted from sources such as radio stations, TV stations, amateur radio (HAM) transmitters, two-way radios and cellular phones. The interference (from radio wave sources) can cause the powered wheelchair to release its brakes, move by itself or move in unintended directions. It can also permanently damage the powered wheelchair's control system. The intensity of the EM energy can be measured in volts per meter (V/m). Each powered wheelchair can resist EMI up to a certain intensity. This is called the "immunity level." The higher the immunity level, the greater the protection. At this time, current technology is capable of providing at least 20 V/m of immunity level which would provide useful protection against common sources of radiated EMI. Following the warnings listed below should reduce the chance of unintended brake release or powered wheelchair movement that could result in serious injury:

- 1) Do not turn on hand-held personal communication devices such as citizens band (CB) radios and cellular phones while the powered wheelchair is turned on.
- 2) Be aware of nearby transmitters such as radio or TV stations and try to avoid coming close to them.

- 3) If unintended movement or brake release occurs, turn the powered wheelchair off as soon as it is safe.
- 4) Be aware that adding accessories or components, or modifying the powered wheelchair, may make it more susceptible to interference from radio wave sources. (Note: there is no easy way to evaluate their effect on the overall immunity of the powered wheelchair).
- 5) Report all incidents of unintended movement or brake release to the powered wheelchair manufacturer, and note whether there is a radio wave source nearby.

**TURN OFF YOUR POWERBASE WHEELCHAIR AS SOON AS POSSIBLE WHEN EXPERIENCING ANY OF THE FOLLOWING:**

1. Unintentional motions.
2. Unintended of uncontrollable direction.
3. Unexpected brake release.

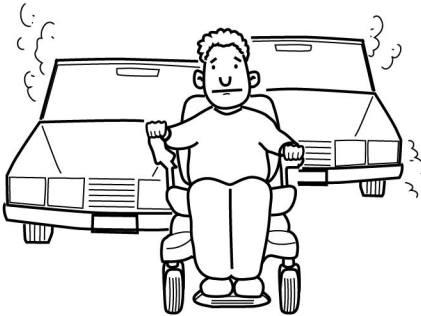
The FDA has written to the manufacturers of power wheelchairs, asking them to test their new products to be sure they provide a reasonable degree of immunity against EMI. The letter says that powered wheelchair should have an immunity level of at least 20 V/m, which provide a reasonable degree of protection against the more common sources of EMI. The higher the level, the greater the protection.

## ■ Driving outside

When you are on the road, please pay attention to the following:

Do not drive in traffic

**NO!**



Do not drive beside a river, port, or lake without a fence or railing

**NO!**



If possible, do not drive during the rain

**NO!**



If possible, do not drive during or on snow

**NO!**



Do not drive off-road or on any uneven surfaced roads

**NO!**



If possible, do not drive at night

**NO!**



**NO!**



**Make sure that there are no obstacles behind you when in reverse.**

We recommend to set up the speed at the lowest setting for reversing

**NO!**



**Do not make sudden stops, weave erratically, or make sharp turns.**

**NO!**



**Keep your arms on or inside the armrests and feet on the footrest at all time.**

**NO!**



**Do not attempt to climb curbs greater that 2"(5cm).**

**NO!**



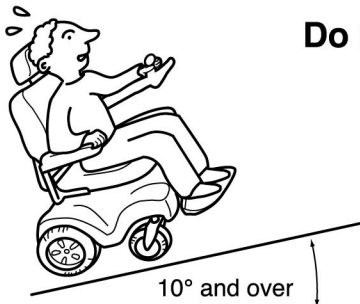
**Do not attempt to cross over a gap greater that 4"(10cm).**

Gap greater 4"(10cm)

## ■ Use caution when driving on hills

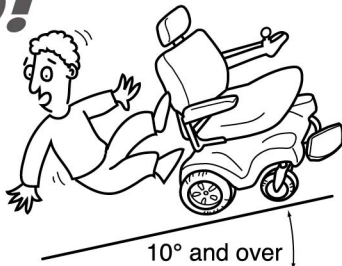
Driving on hills is more dangerous than on level surfaces. If you fail to heed these warnings, a fall, tip-over or loss of control may occur and cause severe injury to the vehicle user or others.

**NO!**



Do not attempt to climb a hill greater than 10°

**NO!**



Do not reverse while driving up a hill.

Forward only. If you reverse while moving up a hill, it may cause the vehicle to tip over.

**NO!**



Do not attempt to drive across a sloping surface greater than 3°

Driving across a slope greater than 3° is very dangerous and may cause the vehicle to tip over.

**NO!**



Do not drive over soft, uneven or unprotected surfaces such as grass, gravel and decks.

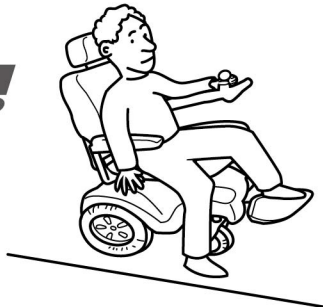
**NO!**



**Use low speed while driving down hill.**

When braking while moving down hill, the wheelchair will take longer to come to a complete stop.

**NO!**



**Do not get on and off on a hill.**

Always stop on the level surface to get in and get out of the vehicle.

**YES!**



**Always climb or descend gradients perpendicular to the slope or ramp.**

## Warnings

- **WARNING!** YOUR AUTHORIZED DEALER, PROVIDER, THERAPIST(S), AND/OR OTHER HEALTHCARE PROFESSIONALS ARE RESPONSIBLE FOR DETERMINING YOUR REQUIREMENT FOR A SEAT BELT FOR SAFE OPERATION OF YOUR MOBILITY DEVICE.  
WARNING! YOU REQUIRE A SEAT BELT TO SAFELY OPERATE YOUR MOBILITY PRODUCT. MAKE SURE IT IS FASTENED SECURELY IN ORDER TO REDUCE THE POSSIBILITY OF A FALL FROM THE MOBILITY PRODUCT.
- **WARNING!** NEVER ATTEMPT TO GET ONTO OR OFF OF YOUR MOBILITY PRODUCT WITHOUT FIRST ENSURING THE UNIT IS POWERED OFF.
- **WARNING!** IF YOUR POWER CHAIR IS EQUIPPED WITH A POWER ELEVATING SEAT FUNCTION, PLEASE ENSURE THAT YOUR SEAT IS IN THE LOWEST POSITION BEFORE TRAVELLING A SLOPED INCLINE. DO NOT USE THIS LIFT FUNCTION WHILE TRAVELING UP/DOWN THE SLOPE.
- **WARNING!** WHEN TRAVELING UP OR DOWN AN INCLINE, DRIVE YOUR POWER CHAIR SLOWLY TO ENSURE A SAFELY CONTROLLED ASCENT OR DESCENT

## ■ Features diagram

In this section, we will acquaint you with the many features of your power wheelchair and how they work. Upon receipt of your power wheelchair, inspect it for any damage. Your power wheelchair consists of the following components.



1. Controller
2. Joystick
3. Armrest
4. Cover

5. Drive wheel
6. Caster wheel
7. Footplate

## ■ Terminology

**Joystick:** The device used to "move" the power chair.

**Controller:** The device that allows joysticks to function. Not all joysticks have a controller.

**Armrests:** Where arms can rest during time spent on power chair.

**Cover:** The plastic piece or pieces that cover the power chair base.

**Footplate:** Where feet rest during time spent on the power chair.

**Anti-tip Wheels:** Where that allow slight tipping, or prevent tipping while driving.

**Drive Wheel:** Wheels that move the power chair. These are the main wheels.

**Caster Wheel:** The front wheels.

**Controller Harness Connectors:** Joystick cables connect to the power wheelchair.

**Free Wheel Levers:** L-Shaped levers at the top rear part of the cover.

## Freewheel Lever



**WARNING: DO NOT** use the powerbase wheelchair without the presence of an attendant while the drive motors are disengaged! **DO NOT** disengage the drive motors when your powerbase wheelchair is on an incline, as the chair could roll down on its own, causing injury!

## ■ Disassembly of the Power Wheelchair

### Seat Removal:



Fig A

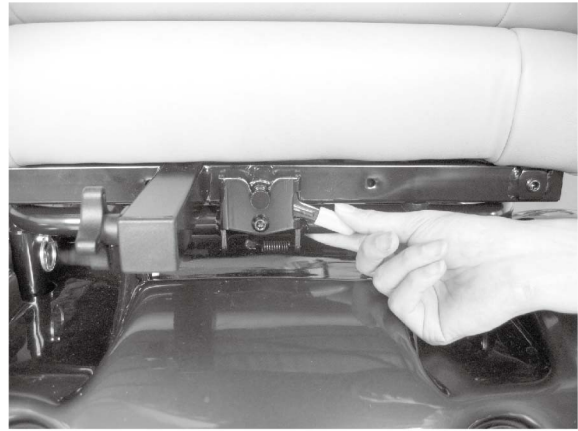


Fig B

- (1) Disconnect the controller connector. (Fig A)
- (2) Push the latch with hand. (Fig B)



Fig C



Fig D

- (3) Lift the rear part lightly. (Fig C, Fig D)



Fig E



Fig F

- (4) Move back of seat from power wheelchair. (Fig E)
- (5) Take off the seat vertically. (Fig F)

## Seat installation:

- (1) Lift the seat vertically and insert the hook into front trapeze bar.  
(Fig F→Fig E)
- (2) Tilt the seat to horizontal position, then locked-shaft of seat will be inserted in lock-device of power wheelchair directly. (Fig D→Fig B)

## Seat height adjustment:

- (1) Take off the seat first.
- (2) Remove the retaining clips. (Fig G)
- (3) Pull the trapeze bar out as far as the required height until the correct hole appears in the seat tube hole. (Fig H)
- (4) Insert the pin into the hole, repeat this action with the other 2 pins. (Fig I, J)
- (5) Reinstall the seat.

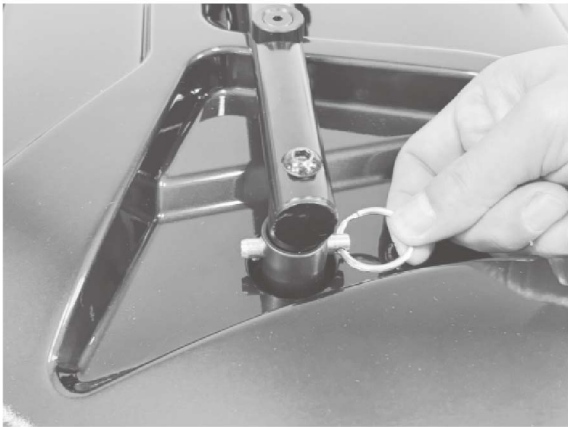


Fig G



Fig H



Fig I



Fig J

## ■ Assembly of the seat mounting and hooks

- (1) Follow the arrows below to assemble the seat mounting bracket and hooks. (Fig K)
- (2) Just use 4 pcs socket screws for hooks. (Fig L)
- (3) Use 4 pcs socket screws and 4 pcs washers for seat mounting. You can adjust the seat mounting by ellipse holes if your seat can not lock perfect for your powerchair. (Fig L, Fig M)

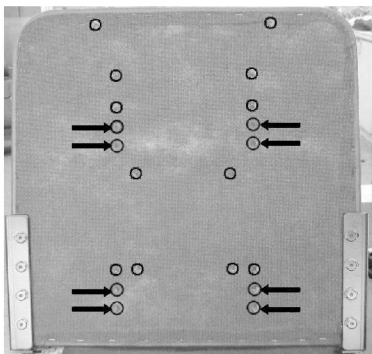


Fig K

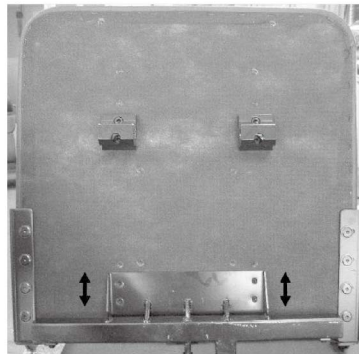


Fig L

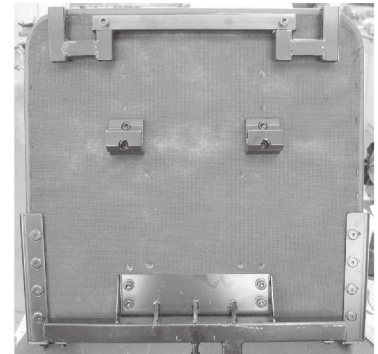


Fig M

## INSERTING THE HEIGHT AND WIDTH ADJUSTABLE ARMRESTS

### SETTING THE INITIAL WIDTH

1. Loosen the knobs or set screws on the armrest receiver.
2. Slide armrest into the horizontal receiver brackets.
3. Select desired width and tighten the knobs or set screws.

### SETTING THE INITIAL HEIGHT

1. Locate and loosen the knobs on the vertical armrest holder.
2. Insert the armrest into the receiver.
3. Select desired height and tighten the knobs as firmly as possible.

### INSTALLING THE CONTROLLER

1. Insert controller bracket tube into the receiver.
2. Adjust the controller to your desired length, then tighten it with the Allen wrench.
3. Insert the main plug into the controller socket.

## ■ Adjust the seat

**YOUR SEAT MAY BE ONE OF TWO TYPES FOLLOW,**

### **1. SETTING THE SEAT BACK-ANGLE BY HAND (Fig N)**

You can adjust the angle of seat by yourself. Pull the shaft of seat up, then recline your body slowly.

CAPTAIN SEAT



Fig N

### **2. SETTING THE SEAT BACK-ANGLE BY WRENCH (Fig O)**

There is provision to set the seat back-angle to one of four positions:

- 1) Back vertical (90 degrees)
- 2) Back reclined by 10 degrees (100 degrees)
- 3) Back reclined by 15 degrees (105 degrees)
- 4) Back reclined by 30 degrees (120 degrees)

PAN SEAT



Fig O

For reasons of operator forward visibility and vehicle stability, it is suggested that the most forward back-angle be chosen that is consistent with operator comfort.

### RESETTING THE BACK ANGLE

1. Note that at the pivot point of the seat back a screw is positioned through the pivot that limits backward motion of the seat back. The right side pivot is imprinted with the stop angles. Observe the current stop position.
2. Remove the nut and screw from the stop position on each pivot.
3. If you need to recline the back more, reposition the stop screws into the stop positions 1 higher than was observed in (1). If you wish to reduce the back angle, reposition the stop screws in the positions 1 lower than was observed in (1)
4. Replace the nuts onto the stop screws to lock the setting.

## ■ **Adjust the Footplate**

### ADJUSTING THE HEIGHT

(After removing the seat and the cover)

1. Using a 10mm hex wrench, remove the bolts and nuts.
2. Slide the platform to your desired height.
3. Replace the bolts and nuts and be sure to tighten them.

Certain combinations of Seat height (lowest position) and Footplate Height may result in the footplate contacting the front edge of the seat when the footplate is flipped up for transfer.

### ADJUSTING THE ANGLE

1. Flip up the foot plate for easy access and loosen the nut.
2. With an Allen key, simply turn the bolt counter-clockwise to increase the angle or clockwise to decrease it.
3. Be sure to re-tighten the nuts.

## ■ **Adjust the joystick**

### ADJUSTING THE JOYSTICK LENGTH FORWARD OR BACKWARD

1. Flip up the armrest for easy access.
2. Loosen the bracket bolt with an Allen key. Slide the Joystick bracket in or out to your desired length.
3. Re-tighten the bolt.

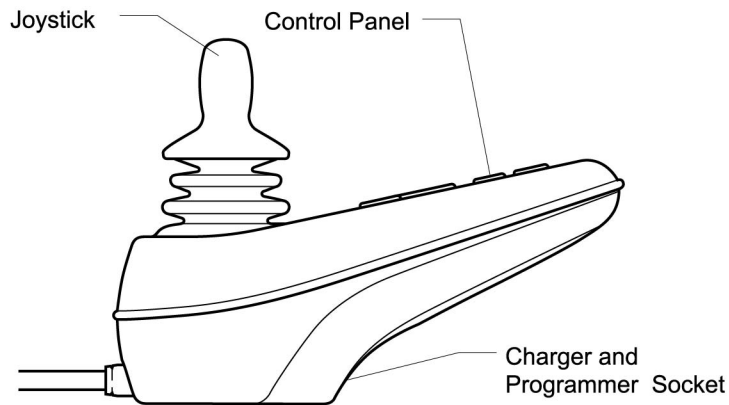
### MOVING THE JOYSTICK TO OTHER SEAT ARM

1. Disconnect the joystick cable.
2. Remove both sets of armrests, while the joystick still is secured on one of armrest.
3. Exchange both armrests.
4. Be sure to tighten the knobs.

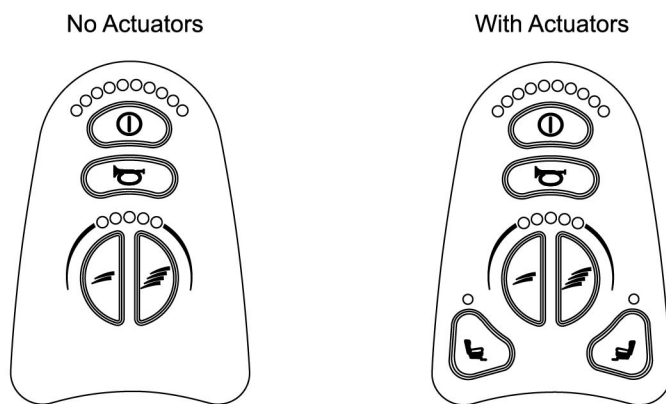
## ■ VR2 Controller Operation:

The VR2 control system has two versions of the front control panel - with and without actuator control. Most of the controls are common to both versions, however, the actuator buttons are only included on VR2 control systems with seat actuator control. Each of the controls is explained within this section.

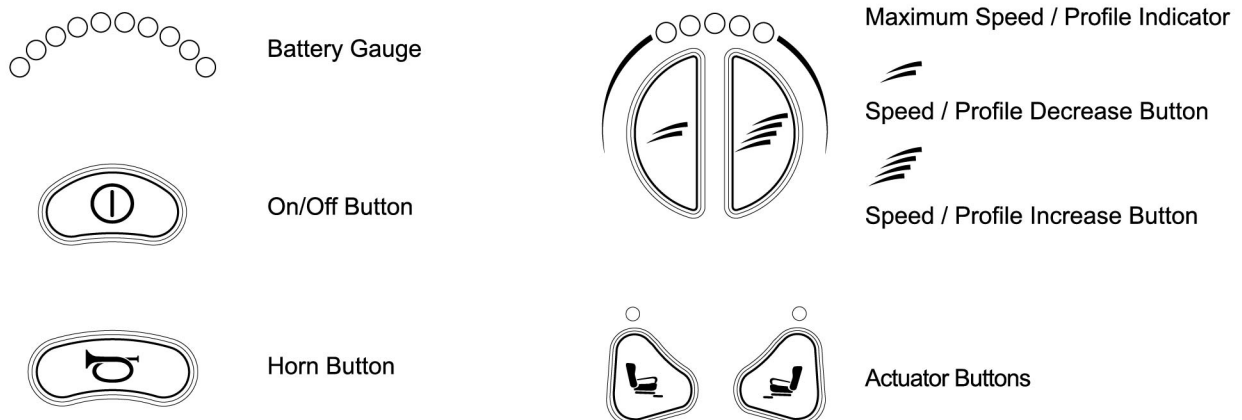
### VR2 USER CONTROLS



### Front Control Panel Details



### VR2 CONTROL BUTTONS



## On/Off Button and Battery Gauge

The on/off button applies power to the control system electronics, which in turn supply power to the wheelchair's motors. Do not use the on/off button to stop the wheelchair unless there is an emergency. (If you do, you may shorten the life of the wheelchair drive components).

The battery gauge shows you that the wheelchair is switched on. It also indicates the operating status of the wheelchair. Details are given in section 1.

### 1 Control System Status indication

The battery gauge and maximum speed / profile indicator show the status of the control system.

A number of supposedly defective control systems returned to us are subsequently found to operate correctly. This indicates that many reported faults are due to wheelchair problems rather than the control system.

#### 1.1 Battery Gauge is Steady

This indicates that all is well.

#### 1.2 Battery Gauge Flashes Slowly

The control system is functioning correctly, but you should charge the battery as soon as possible.

#### 1.3 Battery Gauge steps Up

The wheelchair batteries are being charged. You will not be able to drive the wheelchair until the charger is disconnected and you have switched the control system off and on again.

#### 1.4 Battery Gauge Flashes Rapidly (even with the joystick released)

The control system safety circuits have operated and the control system has been prevented from moving the wheelchair.

This indicates a system trip, i.e. the VR2 has detected a problem somewhere in the wheelchair's electrical system. Please follow this procedure.

- Switch off the control system.
- Make sure that all connectors on the wheelchair and the control system are mated securely.
- Check the condition of the battery.
- If you can't find the problem, try using the self-help guide given in section 1.6.
- Switch on the control system again and try to drive the wheelchair. If the safety circuits operate again, switch off and do not try to use the wheelchair.

Contact your service agent.













#### 1.5 Self-Help Guide

If a system trip occurs, you can find out what has happened by counting the number of bars on the battery gauge that are flashing.

Below is a list of self-help actions. Try to use this list before you contact your service agent. Go to the number in the list which matches the number of flashing bars and follow the instructions.

If the problem persists after you made the checks described above contact your service agent.

\* If the programmable parameter, Motor Swap has been enabled, then left and right hand references in this table will need transposing.

- |   |  |
|---|--|
|    | The battery needs charging or there is a bad connection to the battery. Check the connections to the battery. If the connections are good, try charging the battery.                       |
|    | The left hand motor* has a bad connection. Check the connections to the left hand motor.   |
|    | The left hand motor* has a short circuit to a battery connection. Contact your service agent.  |
|   | The right hand motor* has a bad connection. Check the connections to the right hand module.  |
|  | The right hand motor* has a short circuit to a battery connection. Contact your service agent.   |
|  | The wheelchair is being prevented from driving by an external signal. The exact cause will depend on the type of wheelchair you have, one possibility is the battery charger is connected. |
|  | A joystick fault is indicated. Make sure that the joystick is in the center position before switching on the control system.   |
|  | A control system fault is indicated. Make sure that all connections are secure.  |
|  | The parking brakes have a bad connection. Check the parking brake and motor connections. Make sure the control system connections are secure.  |
|  | An excessive voltage has been applied to the control system. This is usually caused by a poor battery connection. Check the battery connections.   |
|  | A communication fault is indicated. Make sure that joystick cable is securely connected and not damaged.   |
|  | An Actuator trip is indicated. If more than one actuator is fitted, check which actuator is not working correctly. Check the actuator wiring.  |

## 1.6 Slow or sluggish movement

If the wheelchair does not travel at full speed or does not respond quickly enough, and the battery condition is good, check the maximum speed setting. If adjusting the speed setting does not remedy the problem then there may be a non-hazardous fault.

Contact your service agent

## 1.7 Maximum Speed / Profile Indicator is Steady

The display will vary slightly depending on whether the control system is programmed to operate with drive profiles.

### 1.7.1 Maximum Speed Indication

The number of LEDs illuminated shows the maximum speed setting. For example, if the setting is speed level 4, then the four left hand LEDs will be illuminated.

### 1.7.2 Profile Indication

The LED illuminated shows the selected drive profile. For example, if drive profile 4 is selected, then the fourth LED's from the left will be illuminated.

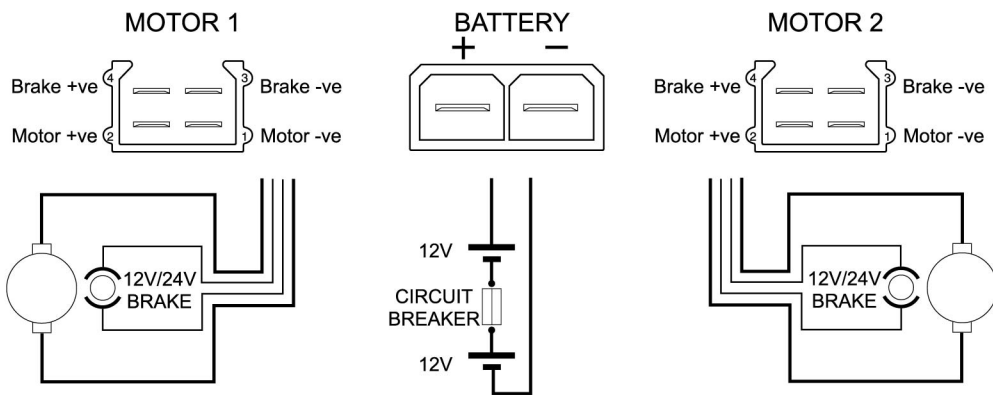
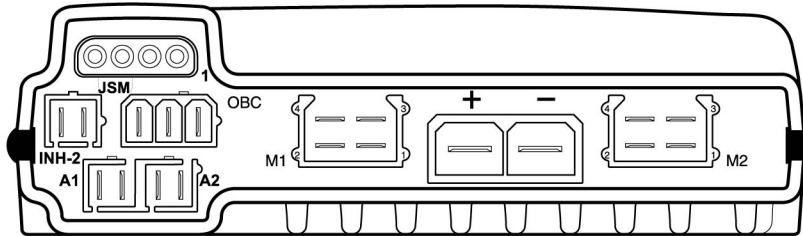
## 1.8 Maximum Speed / Profile Indicator Ripples Up and Down

This indicates the control system is locked.

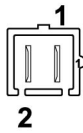
## 1.9 Maximum Speed / Profile Indicator Flashes

This indicates the speed of the wheelchair is being limited for safety reasons. The exact reason will depend on the type of wheelchair, however, the most common cause is that the seat is in the elevated position.

## VR2 POWER MODULE CONNECTIONS

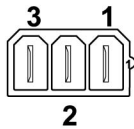


### INHIBIT 2



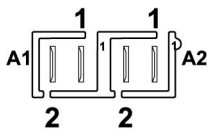
INH-2	Function
1	0V
2	Inhibit 2

### ON-BOARD CHARGER



OBC	Function
1	Battery +ve
2	Inhibit 3
3	0V

### ACTUATORS



Joystick Movement	Pin 1	Pin 2	Actuator Movement
	Forward	+ve	
Backward	-ve	+ve	Channel Down

## Pushing Your Wheelchair.

This model uses manual brake release levers, one attached to each motor. The levers are accessible from the rear of the vehicle, just behind the rear cover at the center bottom of the cover.. The normal (drive) position for these levers is both UP. The levers are each moved down to manually release each of the motor brakes. If either of the Manual Brake Release Levers is set to the DOWN position, (released), the controller will enter an error condition with 9 bars flashing if drive is attempted. With the brakes manually released, the wheelchair can be pushed. It is important however that the controller power be set to OFF while pushing the vehicle or it will try to resist that pushing.

## Batteries and Charging

Your powerbase wheelchair uses two long-lasting, 12-volt batteries. These batteries are sealed, maintenance free, deep-cycle batteries. Since they are sealed, there is no need to check the electrolyte (fluid) level. Deep-cycle batteries are designed to handle a deep discharge. Though they are similar in appearance to automotive batteries, they are not interchangeable. Automotive batteries are not designed to handle a long, deep discharge, and are also unsafe for use in power wheelchairs.

**WARNING!** Battery posts, terminals and related accessories contain lead and lead compounds. Wash hands after handling.

## BATTERY BREAK-IN

To break in your power wheelchair new batteries for maximum efficiency:

1. Fully recharge any new battery prior to initial use. This will bring the battery up to about 90% of its peak performance level.
2. Run your power wheelchair about the house and yard. Move slowly at first, and do not stray too far until you become accustomed to the controls and break in the batteries.
3. Give the batteries another full charge of 8 to 14 hours and operate the power wheelchair again. The batteries should now perform at over 90% of their potential.
4. After four or five charging cycles, the batteries will top off at 100% charge and last for an extended period.

## IMPORTANT INFORMATION ABOUT BATTERIES

A fully charged deep-cycle battery provides reliable performance and extended battery life. Keep your batteries fully charged whenever possible. Batteries that are regularly discharged, infrequently charged, or stored without a full charge may be permanently damaged, causing unreliable operation and limited battery life.

If you do not use your power wheelchair regularly, we recommend maintaining battery vitality by charging the batteries at least once a week.

Note: If you are storing a power wheelchair for an extended period of time, you may wish to block the unit up off the ground with several boards under the frame. This keeps the tires off the ground and prevent the possibility of flat spots developing.

If you intend to use public transportation while using your power wheelchair, you must contact in advance the transportation provider to determine their specific requirements

Sealed Lead Acid and Gel Cell batteries are designed for application in wheelchairs and in other mobility vehicles. generally, Sealed Lead Acid batteries that are marked as "Non-Spill" are safe for all forms of transportation such as aircraft, buses, and trains. We suggest that you contact your transportation provider to determine specific requirements of transportation and packaging.

If you wish to use a freight company to ship the power wheelchair to your final destination, repack the power wheelchair in the original shipping container and ship its batteries in separate boxes.

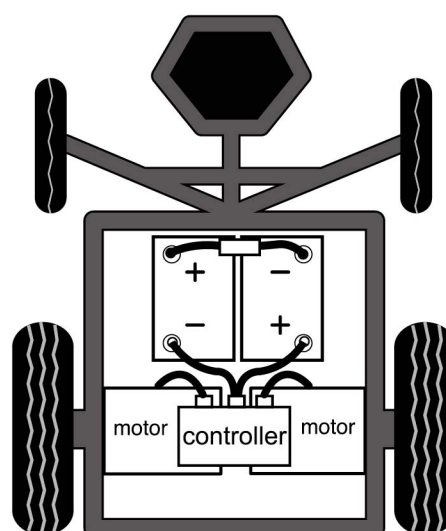
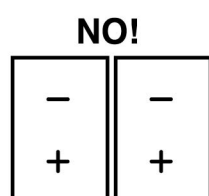
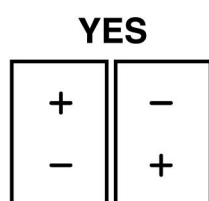
## CHARGING YOUR BATTERIES






The battery charger is one of the most important parts of your power wheelchair. Optimize your power wheelchair performance by charging the batteries safely, quickly, and easily. Use only the charger supplied with the vehicle.

## Battery Installation / Replacement.


Your service provider should perform battery installation and or replacement whenever this is possible. The batteries are heavy and awkward to handle. Old batteries must be disposed of in accordance with EPA regulations. Do not keep old batteries; they can be dangerous to health, property and the environment.

- (a) Remove Seat
- (b) Remove Top Cover.
- (c) If replacement, pull back the black terminal cover of the forward-most battery terminal and unbolt the cable from that terminal. Use extreme caution to ensure that tools not contact two terminals at the same time.
- (d) Pull back the red terminal cover of the forward-most battery terminal and unbolt the cable from that terminal. Remove the fused battery link.
- (e) Pull back the black terminal cover of the rear-most battery terminal and unbolt the black cable from that terminal.
- (f) Pull back the red terminal cover of the rear-most battery terminal and unbolt the red cable from that terminal.
- (g) Release the battery hold-down straps and lift the batteries out of the vehicle.
- (h) Set the replacement batteries into the vehicle as shown in diagram.
- (i) Connect the fused battery joining cable (black terminal cover-end) to the forward-most negative (-) battery terminal. Tighten terminal bolt to approximately 30-inch/lb. Slip terminal cover over battery terminal.
- (j) Connect the fused battery joining cable (red terminal cover-end) to the forward-most positive (+) battery terminal. Tighten terminal bolt to approximately 30-inch/lb. Slip terminal cover over battery terminal.
- (k) Connect the black controller power cable to the rear-most negative (-) battery terminal. Tighten terminal bolt to approximately 30-inch/lb. Slip terminal cover over battery terminal.
- (l) Connect the red controller power cable to the rear-most positive (+) battery terminal. Tighten terminal bolt to approximately 30-inch/lb. Slip terminal cover over battery terminal.

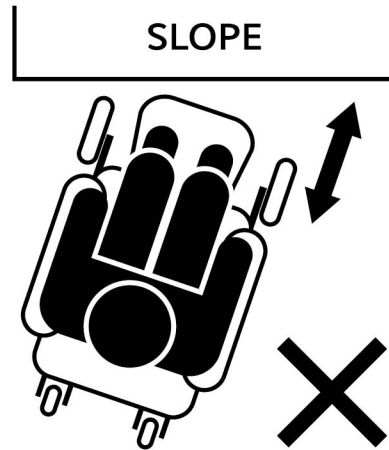
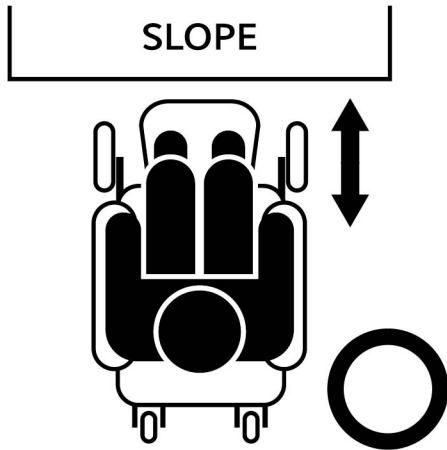


ICE SYMBOLS	
	Caution, attention or consult accompanying documents.
	Alternating Current
	Type BF Equipment
	Double Insulation
	No Smoking or Naked Flames

Degree of protection against ingress of water is rated as IPx0.

Serialization format for products	
	
1	The first digit is the last one digit of the year for manufacture.
2	The second and third digits are the month for manufacture.
3	The fourth to seventh digits are counting of how many units were manufactured during the month.

**WARNING!** Always drive straight up or straight down an incline, ramp, or slope to reduce the possibility of a tip or a fall.





## Merits Basic Troubleshooting Guide





**MERITS HEALTH PRODUCTS, INC.**

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