

SilverBoom 300

OWNER'S MANUAL



SilverStar 
A Division of Pride Mobility Products® Corp.

SAFETY GUIDELINES

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



WARNING! Failure to follow designated procedures can cause either personal injury, component damage, or malfunction (black symbol on yellow triangle with black border).



MANDATORY! These actions should be performed as specified. Failure to perform mandatory actions can cause injury to personnel and/or damage to equipment (white symbol on blue dot with white border).



PROHIBITED! These actions should be prohibited. These actions should not be performed at any time or in any circumstances. Performing a prohibited action can cause injury to personnel and/or damage to equipment (black symbol with red circle and red slash).

Please fill out the following information for quick reference:

Pride Provider: _____
Address: _____
Phone Number: _____
Purchase Date: _____ Serial Number: _____

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.

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I . I N T R O D U C T I O N

Welcome to Pride Mobility Products Corporation (Pride). Congratulations on the purchase of your new SilverBoom 300. The SilverBoom 300 design combines the most advanced state-of-the-art components with modern, attractive styling. We are certain that the design features and trouble-free operation will add convenience to your daily living and ensure complete satisfaction.

At Pride, your safety is important to us. **Please read and follow all instructions in this manual before operating your SilverBoom 300 for the first time.** These instructions were produced for your benefit. Your understanding of these instructions is essential for the safe operation of your new SilverBoom 300.

Pride is not liable for damage to property or personal injury arising out of the unsafe use of a Pride SilverBoom 300. Pride is also not liable for any property damage or personal injury arising out of the failure of any person and/or user to follow the instructions and recommendations set forth in this manual or any other instructions or recommendations contained in other SilverBoom 300 related literature issued by Pride or contained on the Pride SilverBoom 300 itself.

INTERNET AND PRIVATE PURCHASES

If you purchased your product over the internet or from a previous owner and you have any questions about the safe use and/or maintenance of the product, please visit Pride's web site www.pridemobility.com or contact your authorized Pride Provider.

PURCHASER'S AGREEMENT

By accepting delivery of this product, you promise that you will not change, alter, or modify this product or remove or render inoperable or unsafe any guards, shields, or other safety features of this product; fail, refuse, or neglect to install any retrofit kits from time to time provided by Pride to enhance or preserve the safe use of this product.

INFORMATION EXCHANGE

We want to hear your questions, comments, and suggestions about this manual. We would also like to hear about the safety and reliability of your new SilverBoom 300, and about the service you received from your authorized Pride Provider.

Please notify us of any change of address, so we can keep you apprised of important information about safety, new products, and new options that can increase your ability to use and enjoy your SilverBoom 300. Please feel free to contact us at the address below:

Pride Mobility Products Corporation
Attn.: Customer Care Department
182 Susquehanna Ave.
Exeter, PA 18643-2694

customercare@pridemobility.com
800.424.8205

NOTE: If you ever lose or misplace your product registration card or your copy of this manual, contact us and we will be glad to send you a new one immediately.

I . I N T R O D U C T I O N

PRIDE OWNERS CLUB

As an owner of a Pride product, you are encouraged to enroll in the Pride Owners Club. Complete and return your enclosed product registration card or visit Pride's web site at www.pridemobility.com. As a registered member, each time you visit our site, you have access to the most interactive, educational venue available today for people with mobility needs, their families, and friends.

From our home page, select "Owners Club" to enter a page dedicated to current and potential Pride product owners. You will gain access to interviews, stories, recreation ideas, daily living tips, product and funding information, and interactive message boards. These message boards invite you to communicate with other Pride customers as well as Pride representatives who are available to assist you with any questions or concerns you may have.

II. SAFETY

PRODUCT SAFETY SYMBOLS

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



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

Do not sit on mobility device while operating the lift system or during transport.

Do not lift people.



Maximum lifting capacity.

Pinch/Crush points created during assembly and/or operation.

Do not lift pets.

II. SAFETY

LIFTING CAPABILITIES

The SilverBoom 300 is designed to lift a maximum weight of 300 lbs. (136 kg). Under no circumstances should the SilverBoom 300 be made to exceed this weight limit. Subjecting the SilverBoom 300 to the strain of hoisting more than it is designed to lift, may cause it to fail, resulting in damage to the mobility device and/or injury to the lift operator. Refer to the mobility device owner's manual for information on the overall weight of the mobility device before lifting with the SilverBoom 300.



WARNING! Adding accessories, oversize batteries, or a different seat will increase the weight of your mobility device. Verify with your authorized Pride Provider that the total weight of your mobility device, including the additions, does not exceed 300 lbs (136 kg).

INSTALLATION

Your SilverBoom 300 lift system was designed to be mounted primarily in a motor vehicle. Mounting your SilverBoom 300 on a platform, where the height of the lift may cause the lifting strap to extend beyond a safe point, can damage the SilverBoom 300 and injure the operator of the lift. The distance between the top of the boom-arm and the mobility device should not exceed 70 in (178 cm) when the boom-arm is fully extended.

Read and fully understand the directions for drilling the mounting holes for the SilverBoom 300 base before installing the lift system.



WARNING! Before drilling the mounting holes in your vehicle, make absolutely certain through a visual inspection that there are no obstructions in the path of the drill bit, such as the fuel tank, exhaust pipes, or electrical wires.

LIFTING NON-PRIDE ITEMS

The SilverBoom 300 is an extremely versatile device, which users may employ to lift items other than Pride products. Pride has no control over such use, nor can Pride anticipate every possible use to which a SilverBoom 300 may be put. Lifting non-Pride products with the SilverBoom 300 is done at the operator's own risk, and Pride accepts no liability for damage or injury resulting from such use.

PRELIFT INSPECTION

Inspect the lifting strap of the SilverBoom 300 before every use for twisting, fraying, and signs of wear. If signs of wear become evident, have the strap replaced by your authorized Pride Provider.



WARNING! A frayed or worn lifting strap can snap, resulting in damage to the mobility device being lifted and injury to the lift operator.

OPERATOR POSITIONING

Keep hands clear of the lifting strap while the SilverBoom 300 is lifting/lowering a mobility device. The operator of the lift should stand a safe distance from the unit being lifted/lowered to ensure that his/her feet are never positioned under a raised mobility device.

TRANSPORT VEHICLE POSITIONING

Be sure your vehicle is parked on flat, level ground and the emergency brake is engaged before attempting to lift a mobility device.



WARNING! Attempting to lift a mobility device when a vehicle is not on level ground will cause the mobility device to swing toward or away from the vehicle, making it difficult to get the mobility device into the vehicle.

III. INSTALLATION

The SilverBoom 300 can be installed in either side of your vehicle. The illustrations demonstrate installation on the right side.

NOTE: Most roads have a crown to help with water runoff. However, if the crown is severe enough, it may cause difficulty getting your mobility device into the vehicle. In this case, it may be better to install the lift on the left side.

DETERMINE L-BASE LOCATION

1. Assemble the L-Base. See **figure 1**. For optimal use, insert the base extensions into the L-base at their farthest extension point and install the hardware (nuts and bolts). The base extensions can be adjusted to accommodate obstructions.

NOTE: Always insert the bolt from the inside of the L-base. This allows the base extensions to be properly tightened without rattling.

2. Before permanently installing the lift, place the L-base inside your vehicle in the area in which you intend to install it. See **figure 2** for L-base positioning in vehicles with hatchbacks, or **figure 3** for trunk installation.

NOTE: Positioning the L-base close to the rear allows the boom-arm to stay as short as possible; this enables the boom-arm to swing freely without making contact with the motor vehicle.

VEHICLES WITH TRUNKS

Position the L-base as shown in **figure 3**. You may need to situate the L-base so the wheel well does not interfere with the L-base extensions. Ensure there is adequate room for a mobility device to comfortably fit into the trunk.

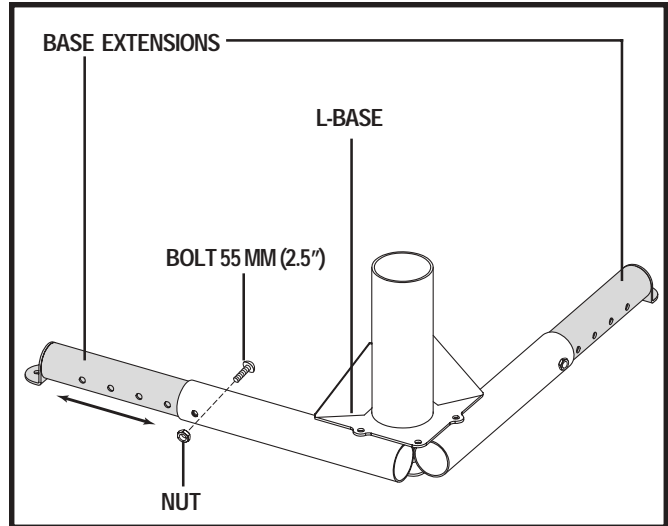


Figure 1. L-Base Extensions

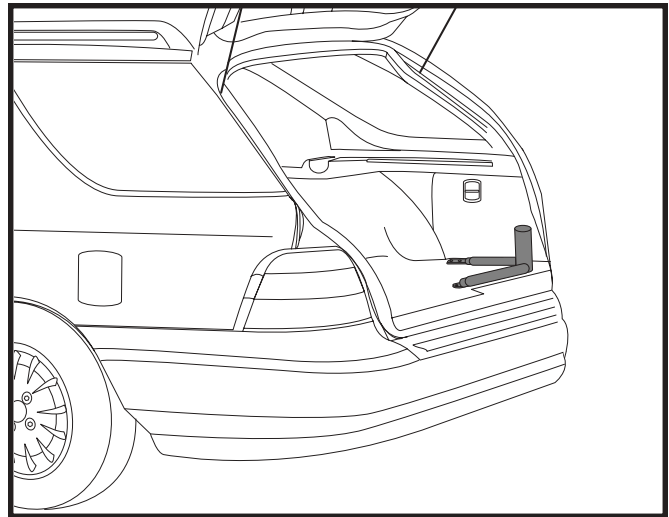


Figure 2. L-Base (Hatchback Installation)

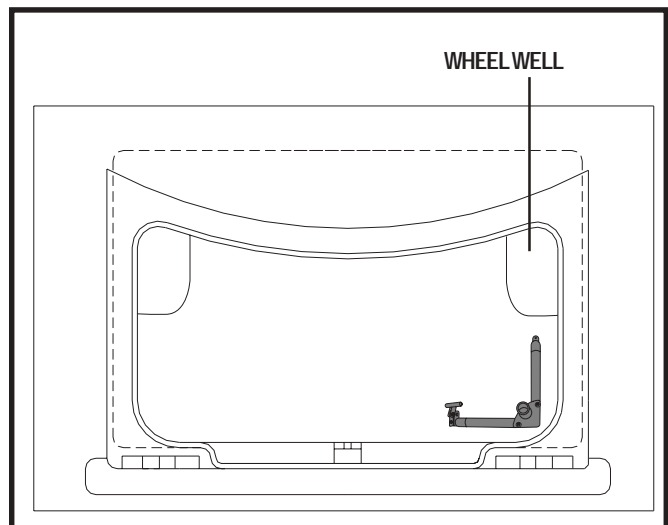


Figure 3. L-Base (Trunk Installation)

III. INSTALLATION

ASSEMBLING THE LIFT

1. Insert the upper post into the L-base. **See figure 4.**
2. Slide the height adjustment ring (see figure 5) over the upper post and tighten the setscrew (a good starting point is approximately 12 in. (30.5 cm) down from the top of the upper post). **See figure 4.** To ensure safe operation, the height adjustment ring must be secured no closer than 6 in. (15 cm) from the top of the upper post.



WARNING! Failing to tighten the height adjustment ring setscrew could cause damage to your lift, mobility device, and vehicle.

NOTE: *The height adjustment ring may need to be adjusted down so the boom-arm has sufficient head room to swing into a vehicle, or adjusted up so the mobility device being lifted has ample room to clear obstructions.*

3. Lower the motor housing over the upper post until it rests on the height adjustment ring. **See figure 6.**



WARNING! Pinch Point Hazard! Keep hands clear of the upper post when lowering the motor housing.



WARNING! The lift will be top heavy until mounted securely. Get assistance to help stabilize the lift while swinging the boom-arm.

VEHICLES WITH HATCHBACKS-MINIVANS, STATION WAGONS, ETC.

Once the lift is assembled and seated on the L-base, close the hatch slowly to make sure it does not make contact with it. If the lift is too close to the rear, adjust its position slightly until the hatch can close without making contact with the lift. Positioning the L-base close to the rear allows the boom-arm to stay as short as possible. This enables the lift to swing into the vehicle without contacting the far side of the vehicle.

You may need to adjust the height of the motor housing (see figures 6 and 7) or the length of the boom-arm (see figure 8) so the boom-arm can swing freely without hitting at any point inside the vehicle.

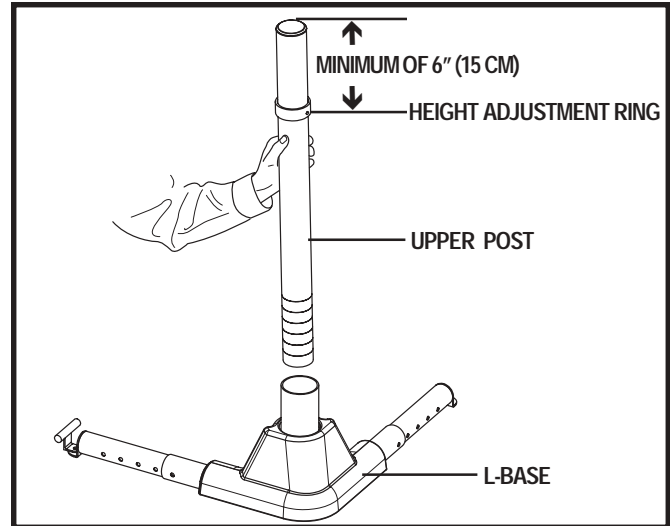


Figure 4. Upper Post Installation

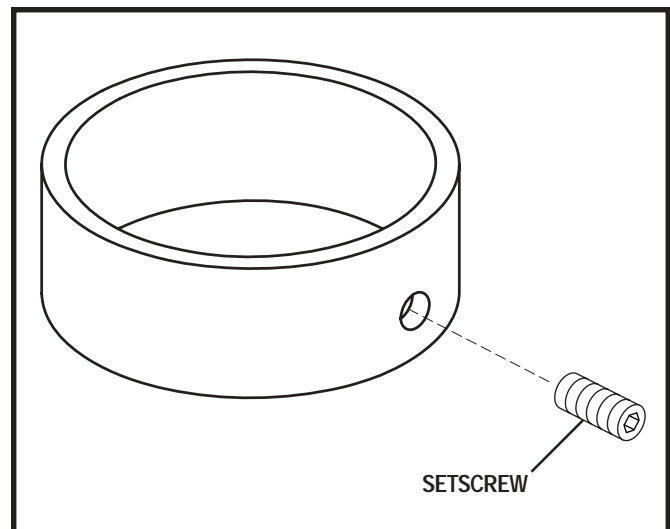


Figure 5. Height Adjustment Ring Assembly

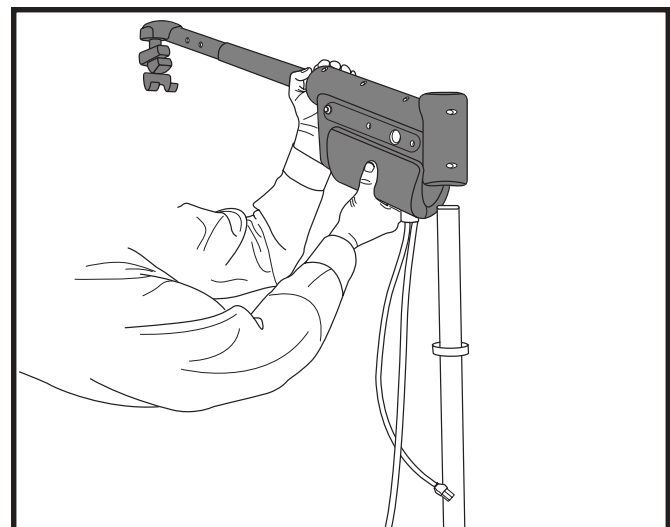


Figure 6. Motor Housing Installation

III. INSTALLATION

MOTOR HOUSING HEIGHT ADJUSTMENT

The placement of the height adjustment ring determines the height of the motor housing. **See figure 7.**

- Lower the ring when more room is needed overhead to swing the boom-arm inside a vehicle.
- Raise the ring when more height is needed to enable a mobility device to be lifted into a trunk.

To adjust the height adjustment ring:

1. Loosen the setscrew on the ring. **See figure 7.**
2. Raise or lower the ring to the necessary height.
3. Tighten the setscrew.

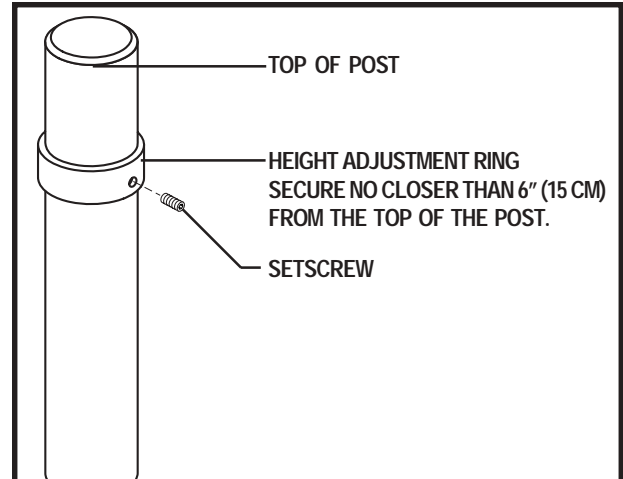


Figure 7. Height Adjustment Ring Position

BOOM-ARM ADJUSTMENT

Before adjusting the boom-arm, lower the lifting hook about 12 in. (30.5 cm). This will provide enough slack in the strap to enable the adjustable portion of the boom-arm (top tube) to be pulled out of the bottom tube to its farthest adjustment hole. **See figure 8.**

To adjust the boom-arm:

1. Remove the bow tie cotter pin from the adjustment pin and remove the adjustment pin.
2. Slide the top tube in or out to the desired adjustment hole.
3. Align the adjustment holes of the top and bottom tube and reinsert the adjustment pin.

NOTE: Do not force the pin into the adjustment hole. Be sure that the strap is not pinched when inserting the pin.

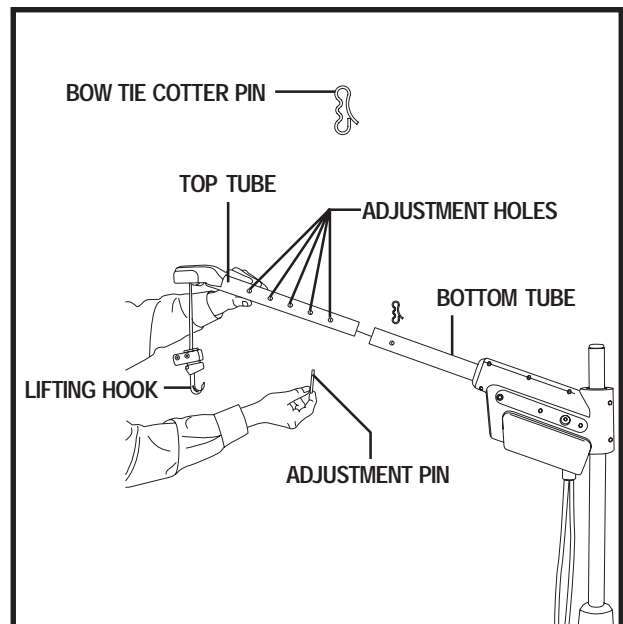


Figure 8. Boom-arm Adjustment

4. Reinstall the bow tie cotter pin into the adjustment pin to secure the boom-arm.

L-BASE INSTALLATION

After determining the ideal spot for your lift to be permanently mounted, remove the entire lift from the vehicle except for the L-base.

1. Inspect the undercarriage of the vehicle where the lift L-base is located for obstructions that may hinder the installation of the five (5) mounting bolts that will secure the L-base to the vehicle. Obstructions may consist of electrical wiring, gas tank, bumper mounts, or exhaust pipes. You may need to adjust the base extensions to clear obstructions. If possible, install the L-base with the base extensions fully extended. **See figure 9.**



WARNING! Explosive Conditions Hazard! The bumper mounts on some vehicles are gas pressured. DO NOT drill into them. They may explode causing severe injury.

III. INSTALLATION

2. If all is clear under the L-base, mark the position of the five (5) mounting holes and drill them using a 3/8-in. drill bit. Drill all mounting holes from inside the vehicle. **See figure 9.**
3. Reinstall the L-base and align the mounting holes of the L-base with the holes you just drilled.
4. Position the T-bar on the end of the base support that runs parallel with the rear of the vehicle, and install a mounting bolt and washer through it and the L-base. **See figure 9.**

NOTE: The T-bar need only be installed in van or SUV installations. When the lift is installed inside a trunk, it is necessary to remove the motor housing and upper post for the trunk to close.

5. Install the four (4) remaining mounting bolts and washers onto the L-base.

NOTE: Choosing the correct length bolt allows enough bolt-thread to pass through the undercarriage, ensuring enough room for the mounting washer and nut to be installed securely.

6. From under the vehicle, install the mounting washers and nuts to all five (5) mounting bolts and tighten. **See figure 9.**

NOTE: The holes in the mounting washers are for working around obstructions. Choose the hole that best works in the area you are installing the mounting bolts.

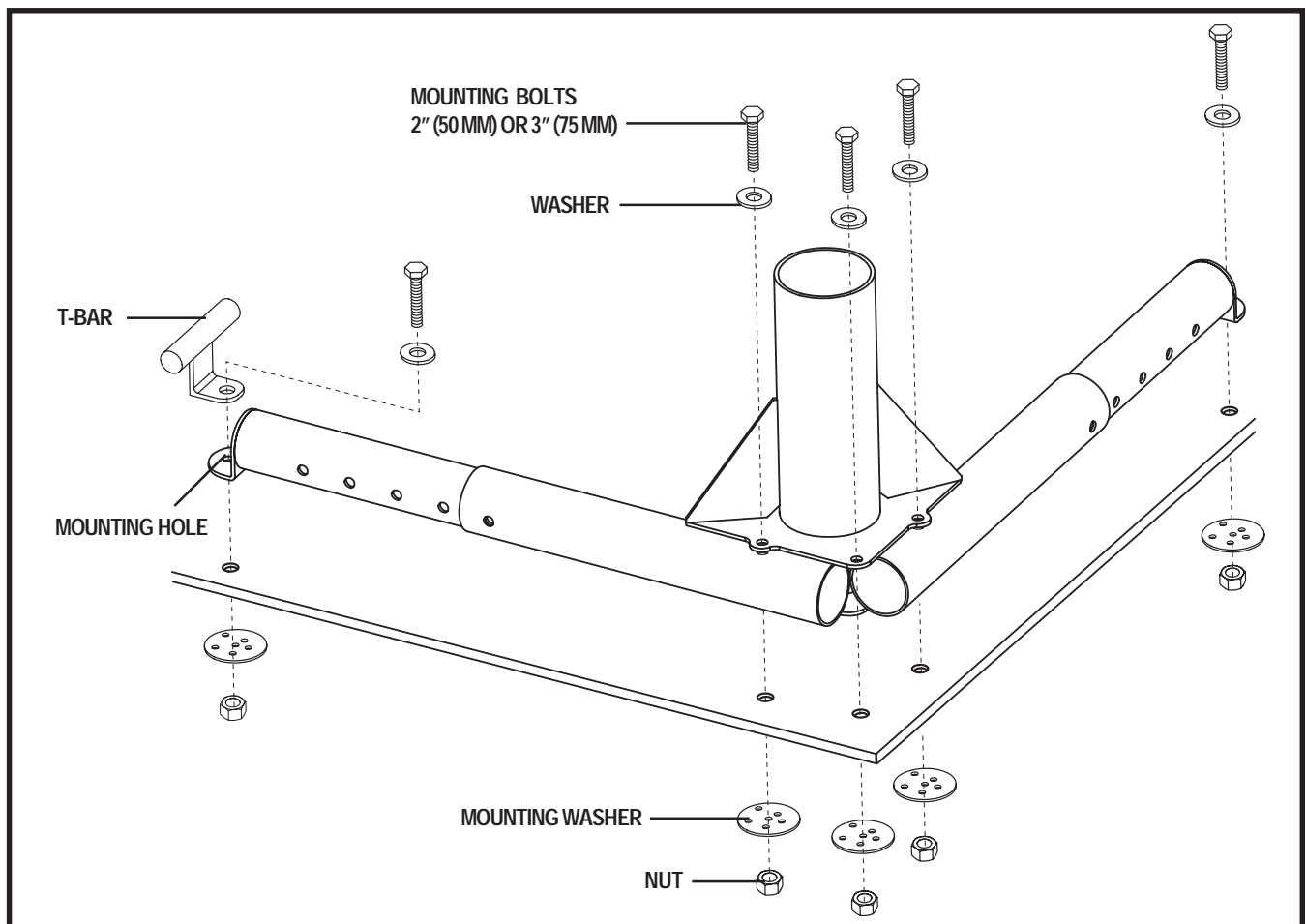


Figure 9. Securing The L-Base

III. INSTALLATION

7. Place the L-base cap over the L-base and secure it with the supplied screws. **See figure 10.**
8. Reinstall the upper post.
9. Reinstall the motor housing and make adjustments as necessary.

The lift is now fully assembled. **See figure 11.**

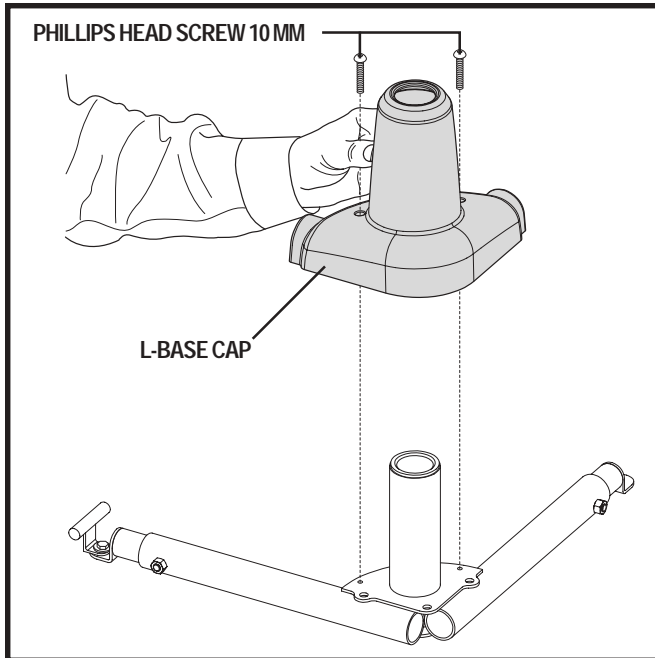


Figure 10. L-Base Cap Installation

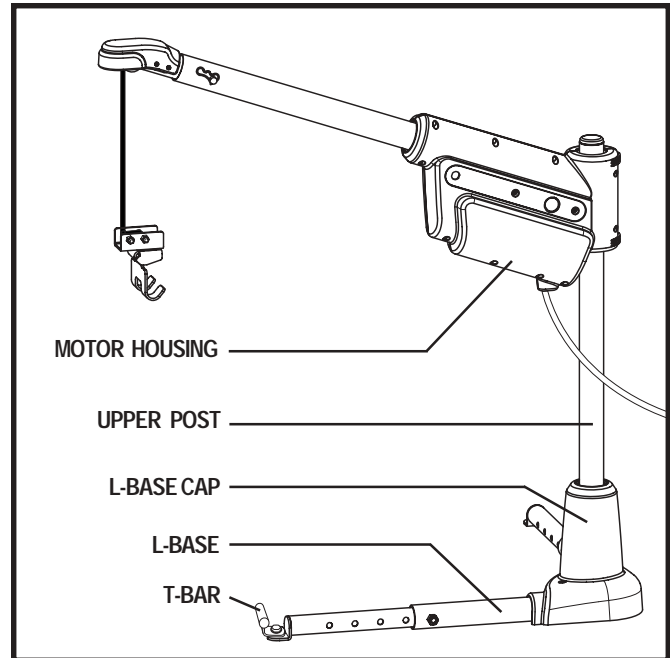


Figure 11. Fully Assembled Lift

ELECTRICAL WIRING INSTALLATION

1. Route the lift's long power wire (starting at the lift) through the interior of the vehicle until you reach the automobile battery. **See figure 12.** Conceal the wire behind or under the interior panels (there should be existing holes). Be certain that the wire is protected with a rubber grommet when passing it through the metal panels and into the engine compartment. Inside the engine compartment, secure the wire to the firewall and the inner fender with the supplied plastic wire ties. Use care not to cause abrasions to the power wire. It is important to secure the power wire at various points along its run.
2. Insert the red positive (+) lead on the power wire into the spliced end of the red positive (+) battery lead, then crimp the splice to secure the wire.
3. Connect the red positive (+) battery lead to the positive (+) battery terminal and the black negative (-) ground wire to the negative (-) battery terminal.



WARNING! The red positive (+) wire must be connected directly to the positive (+) battery terminal.

WARNING! The black negative (-) wire must be connected directly to the negative (-) battery terminal.

4. Connect the harness extending from the motor housing to the harness coming from the battery (black to black and red to red).

III. INSTALLATION

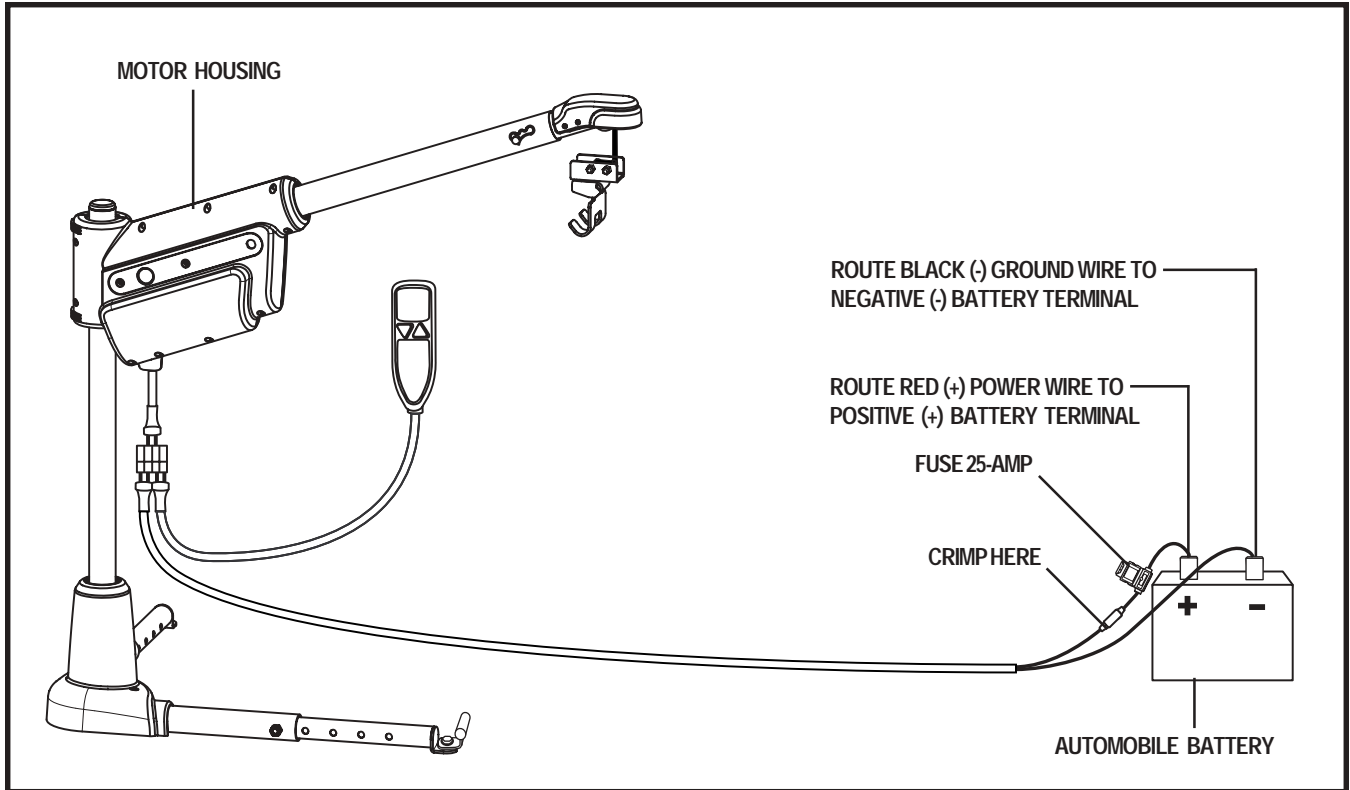


Figure 12. Electrical Wiring Connections

IV. OPERATION

LIFTING THE MOBILITY DEVICE



WARNING! Before operating the SilverBoom 300 for the first time, be absolutely sure you have the proper docking device for your mobility device.

1. Prepare your mobility device for transport. Ensure that the power is off or key is removed and properly secure the batteries. You may also need to lower the tiller and/or remove the seat.
2. Position your mobility device on the ground behind the installed lift. Be sure that there is ample space between the mobility device and the vehicle bumper to ensure that the mobility device will not hit the bumper while being raised. If the mobility device is too far from the vehicle's bumper, the mobility device will be dragged when attempting to lift it.
3. Position the boom-arm over the mobility device.
4. Operate the lift (via the hand control **see figure 13**) in the downward direction until the lifting hook reaches the T-bar. The lift strap should drop straight down to the T-bar. **See figure 14.**



WARNING! Inspect the lifting strap before each use for twisting, fraying, and signs of wear.

- Keep tension on the lifting strap with your free hand when lowering the lifting hook.
- Lower the lifting hook only to the T-bar of the docking device.



WARNING! Do not extend the lifting strap past the warning label located on it. See figure 15.

5. Place the lifting hook onto the docking device T-bar. **See figure 14.**
6. Operate the lift in the upward direction.



WARNING! Pinch/Crush Hazard! Always keep hands clear of the lifting strap while the SilverBoom 300 is lifting/lowering a mobility device. The operator of the lift should stand a safe distance away from the mobility device being lifted/lowered to ensure that feet are never positioned under a raised mobility device.

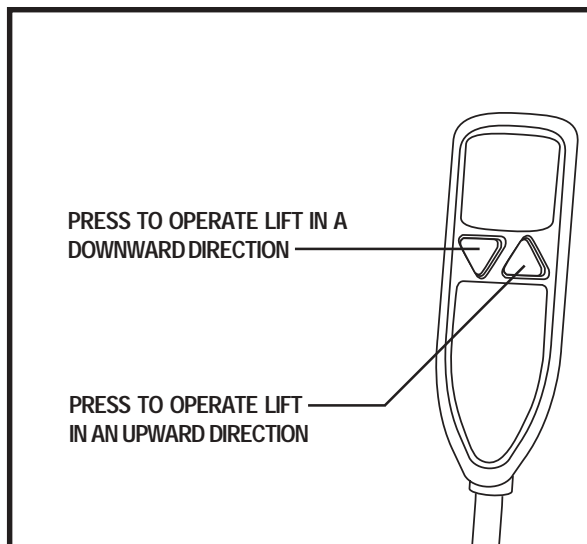


Figure 13. Hand Control

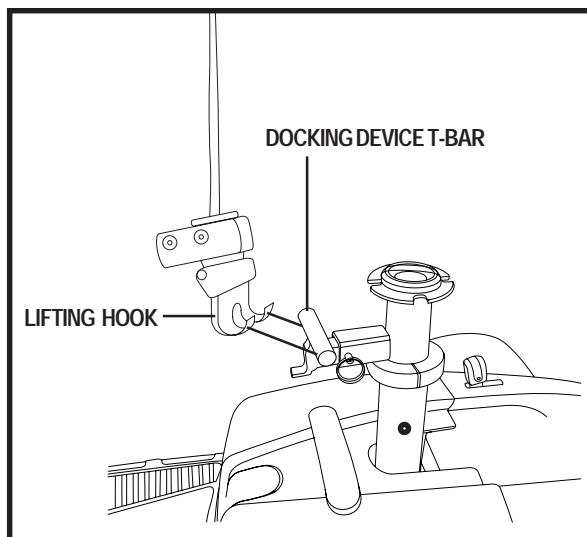


Figure 14. Lifting Hook Placement

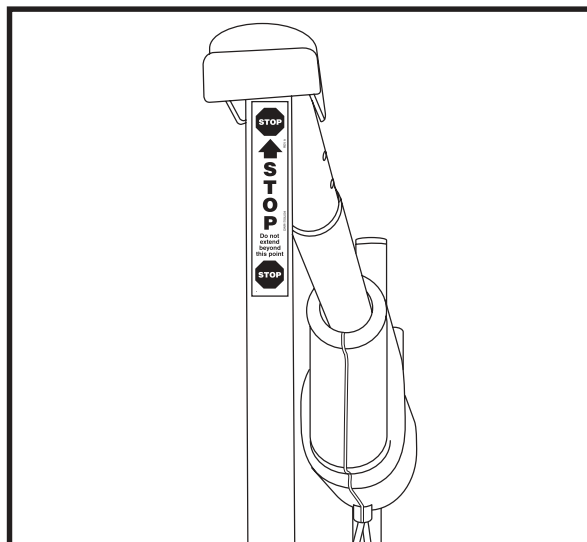


Figure 15. Lifting Strap Warning Label

IV. OPERATION

Do not drag the mobility device into position using the lift. If dragging occurs, your mobility device is too far away from the vehicle. **To prevent dragging:**

- Release the lifting strap tension then remove the hook from the docking device.
- Correct the position of the mobility device.
- Attempt the lift again.



MANDATORY! The SilverBoom 300 is designed to lift a maximum weight of 300 lbs (136 kg). Subjecting the SilverBoom 300 to the strain of hoisting more than it is designed to lift may cause it to fail, resulting in damage to your mobility device and/or injury to the lift operator.

7. If the mobility device begins to tilt, lower it completely and adjust the docking device by moving the pick-up bar in the direction of the tilt (*when using a C-arm*).
8. Tighten the pick-up bar once the proper balance point has been found (*when using a C-arm*).
9. Once the mobility device is raised high enough to fit into the vehicle, stop the lift. **See figure 16.**
10. Swing the boom-arm toward the vehicle. When the mobility device is securely in the vehicle, lower the lift strap until all of the mobility device's wheels are on a solid surface.
11. If installed in a van, disconnect the hook from the docking device and attach it to the T-bar on the base extension. (This prevents the boom-arm from swinging freely while the motor vehicle is in motion.) Operate the lift in the upward direction until the strap is snug. **See figure 17.**

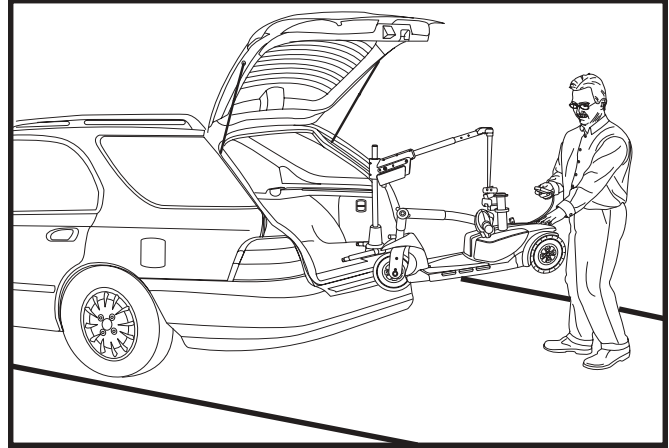


Figure 16. Lifting The Mobility Device

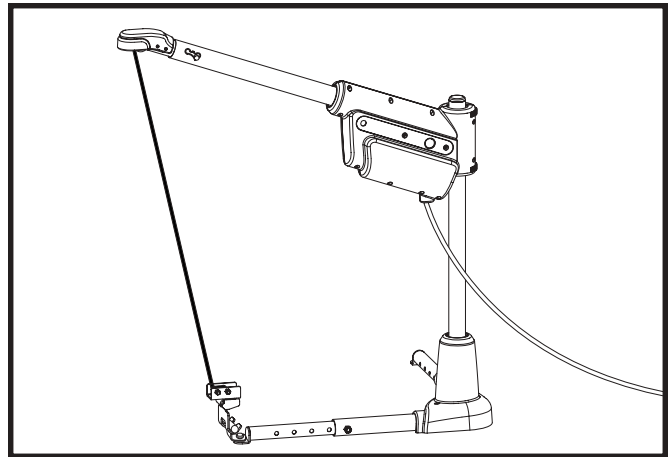


Figure 17. Securing The Boom-arm



WARNING! Secure the boom-arm so it does not swing during transport. A swinging boom-arm can be a hazard. If you can not secure the boom-arm to prevent it from swinging freely, remove the motor housing and lay it flat inside the vehicle.

WARNING! Do not overtighten the strap. Doing so may put excessive strain on the motor, causing the circuit breaker to trip.

NOTE: *If installed in a trunk, disconnect the black-red power harness (see figure 12) and remove the motor housing and upper post and place it in an area where it will be secure. The height of the boom-arm will not allow the trunk to close.*

12. Disconnect the power to the SilverBoom 300 to prevent any accidental movement when transporting your mobility device.



WARNING! Your SilverBoom 300 was designed to be mounted primarily in a motor vehicle. Mounting your SilverBoom 300 on a platform, where the height of the lift may cause the lifting strap to extend beyond a safe point, can damage the SilverBoom 300 and injure the lift operator.

V. TROUBLESHOOTING

LIFT WILL NOT OPERATE

- Check the circuit breaker reset button. Reset if necessary. **See figure 18.**
- Ensure all harness connections are secure.
- Ensure the power wire leading to the positive battery terminal is tight and not corroded.
- Check the fuse located on the red power wire near the battery. If blown, replace with a new 25-amp fuse. **See figure 19.**



WARNING! Do not use a higher rated fuse than 25-amp. Doing so may damage the lift's electrical system.

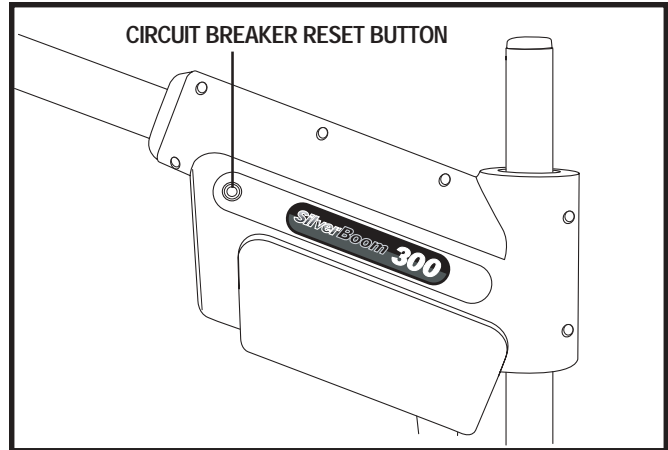


Figure 18. Circuit Breaker Reset Button

LIFT STOPS OPERATING

If your SilverBoom 300 is heavily strained because of excessive loads, the main circuit breaker (**see figure 18**) may trip to protect the motor and electronics from damage. When the breaker trips, the entire electrical system shuts down.



WARNING! Never attempt to lift more than 300 lbs. (136 kg) with the SilverBoom 300.

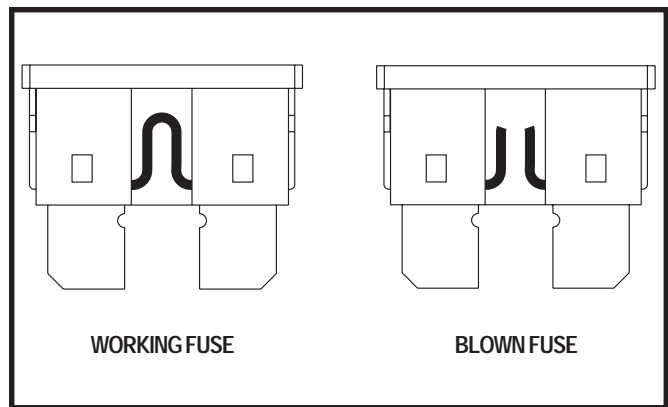


Figure 19. Fuse Replacement

To reset the main circuit breaker:

1. Allow a minute or so for the electronics to “cool.”
2. Push in the reset button to reset the breaker.

If the breaker trips frequently, contact your authorized Pride Provider.

LIFTING STRAP TRAVELS IN OPPOSITE DIRECTION OF BUTTON BEING PUSHED ON HAND CONTROL

Before each use, check that the lifting strap is traveling in the proper direction. If the belt travels in the wrong direction when you press either the up or down button, you must restore proper lifting strap travel.

To restore proper lifting strap travel:

1. Pull slightly on the strap and operate the lift until the strap is extended completely past the “stop” warning label.
2. Allow the strap to rewind itself. Do not allow any twists in the belt.

Observe the travel of the belt: it should correspond with the button being pushed on the hand control. If you are still experiencing problems, contact your authorized Pride Provider.

V I . W A R R A N T Y

THREE-YEAR TRANSFERABLE LIMITED WARRANTY

For three (3) years from the date of purchase, Pride Mobility Products will repair or replace at our option, free of charge, any mechanical or electrical component found upon examination by an authorized representative of Pride to be defective in material and/or workmanship.

This warranty does not extend to those items, which may require replacement due to normal wear and tear.

- Labor, service calls, shipping, and other charges incurred for repair of the product, unless specifically authorized by Pride Mobility Products Corporation IN ADVANCE, are excluded.

Exclusions also include components with damage caused by:

- Contamination
- Abuse, misuse, accident, or negligence
- Battery fluid spillage or leakage
- Commercial use, or use other than normal
- Improper operation, maintenance, or storage
- Repairs and/or modifications made to any part without specific consent from Pride Mobility Products Corporation.
- Circumstances beyond the control of Pride

ONE-YEAR WARRANTY

The battery is covered by a separate one (1) year warranty provided by the battery manufacturer. The batteries are not warranted by Pride Mobility Products Corporation.

SERVICE CHECKS AND WARRANTY SERVICE

An authorized Pride Mobility Products Provider must perform warranty service. Do not return faulty parts to Pride Mobility Products without prior written authorization. All transportation costs and shipping damage incurred while submitting parts for repair or replacement is the responsibility of the purchaser.

Failure to follow the instructions, warnings, and notes in the owner's manual and those located on your Pride lift product can result in personal injury or product damage and will void Pride's product warranty.

There is no other express warranty.

IMPLIED WARRANTIES

Implied warranties, including those of merchantability and fitness for a particular purpose, are limited to one (1) year from the date of purchase and to the extent permitted by law. Any and all implied warranties are excluded. This is the exclusive remedy. Liabilities for consequential damages under any and all warranties are excluded.

Some states do not allow limitations on how long an implied warranty lasts or do not allow the exclusion of limitation incidental or consequential damages. The above limitation or exclusion may not apply to you.

This warranty gives you specific rights, and you may also have other rights, which vary from state to state.

Please fill out and return the product registration card to Pride Mobility Products. This will aid Pride in providing the best possible technical and customer service.

NOTES



578 Mason Way
Medford, OR 97501
www.silverstarmobility.com

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