

Installation Tips

Read and follow, precisely, all installation instructions provided when installing this product. Failure to do so may result in a poor fit, and could place occupants of the vehicle in a potentially dangerous situation.



WARNING The manufacturer strongly recommends that this product be professionally installed.



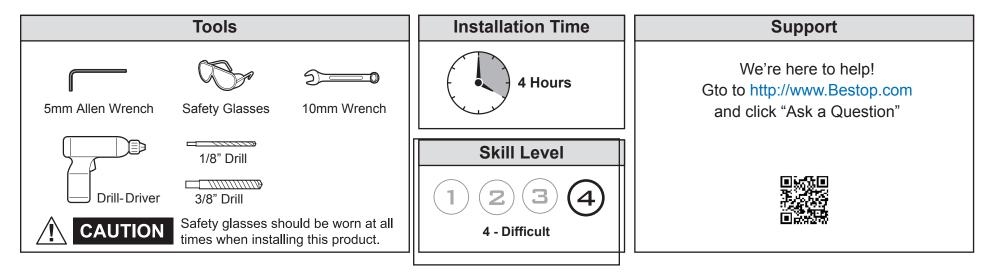
WARNING Failure to carefully follow the electrical installation steps could result in severe electrical shock which could harm the installer and/or damage the vehicle.



This product is designed primarily to enhance the appearance and comfort of the vehicle. Do not rely in any way on the components of this product to protect the occupants within the vehicle, or to protect against injury or death in the event of an accident. Never operate the vehicle in excess of manufacturer's specifications.



WEAR SEAT BELTS AT ALL TIMES

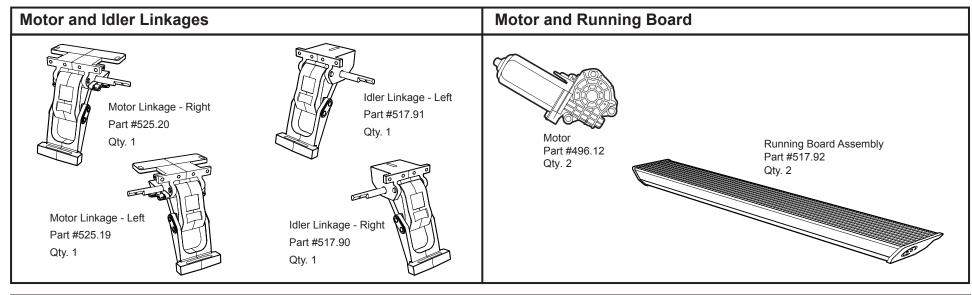


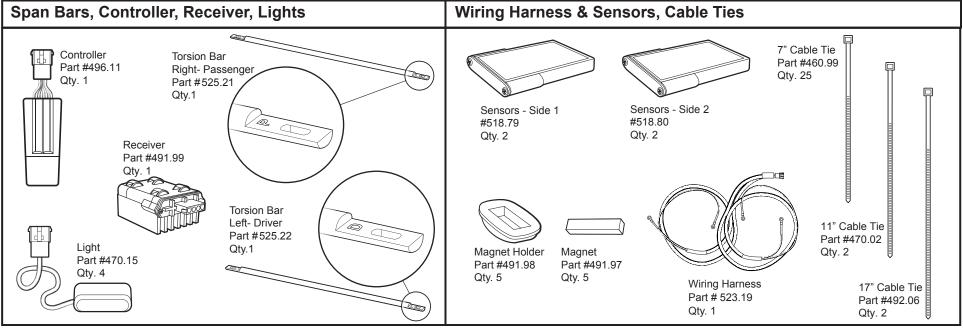


Installation Instructions PowerBoard[®] Automatic Retracting Running Board

Parts List

- Required parts for installation



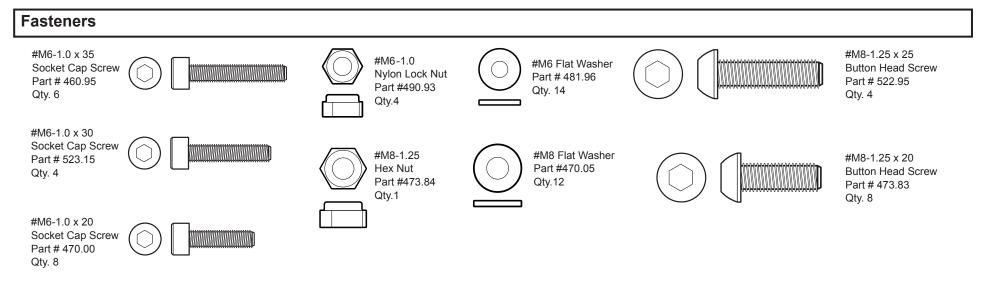


Installation Instructions - PowerBoard®



Installation Instructions PowerBoard[®] Automatic Retracting Running Board

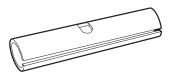




Miscellaneous Hardware



Drill Template Part # 523.18 Qty. 1



Torsion Bar Collar Part # 517.95 Qty. 4

WARNING

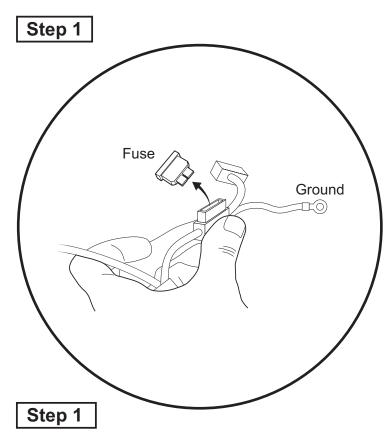
PowerBoard[®] Fastener Tightening Sequence Fasteners Must Be Tightened in This Sequence to Promote Smooth Operation

- 1. Mount linkages to the body of the Jeep finger tight only. (see sections 6 through 8).
- 2. Install and tighten the torsion bars to specification. (see section 8)
- 3. Loosely install boards to mounting foot of linkages. (see section 9)
- 4. Retract the board, then tighten the board to the MOTOR LINKAGE ONLY. (Rear)
- 5. Open the vehicle door to extend the board, then close the vehicle door to retract the board. Tighten the board to the FRONT idler linkage when the board is retracted or in the up position. (See section 10)
- 6. Now tighten linkages to the Jeep body and Welded Body Flange.

Torque all fasteners to the following specifications:

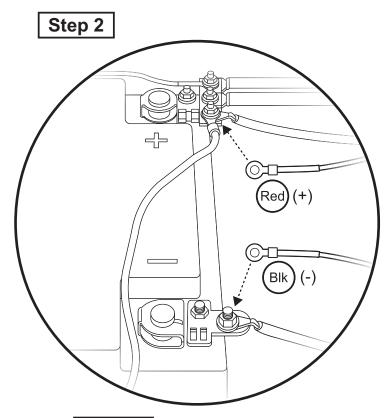
5-7 ft-lbs (6.79-9.40 NM / 60-84 in-lbs)

Do not exceed 7 ft-lbs.





Remove the fuse from the wiring harness. Failure to do so could result in severe electrical shock which could harm the installer and/or damage the vehicle.

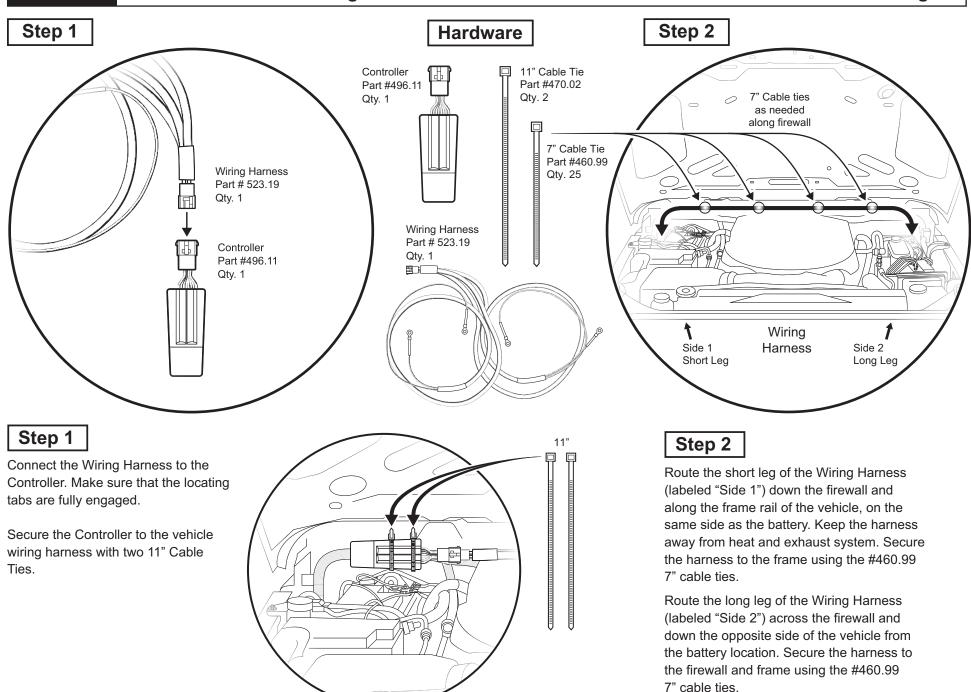




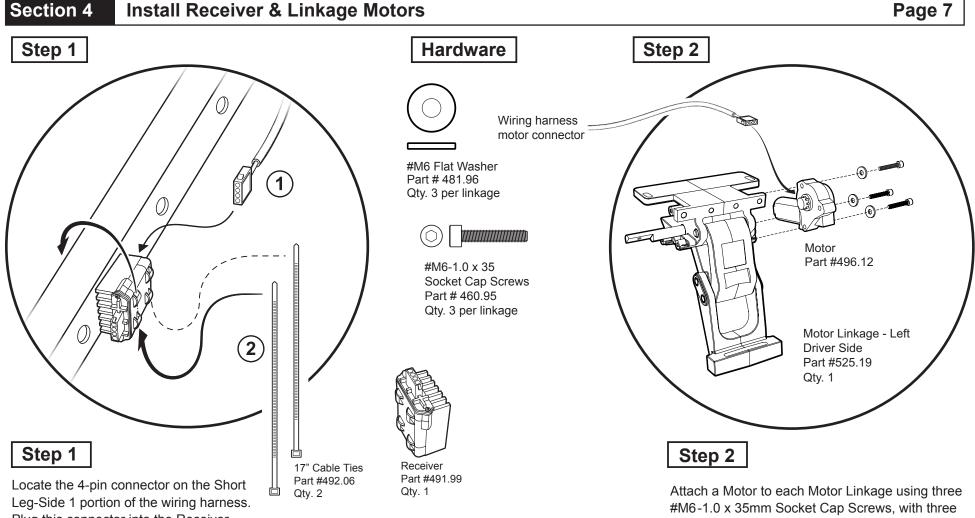
Connect the red lead from the wiring harness to the battery positive and the black lead to the battery negative.



Install Controller & Wiring Harness



Page 6



Plug this connector into the Receiver #491.99.

Find a location nearby on the frame that is protected, but not surrounded by dense metal. Strap the Receiver to the frame in this location, using the two #492.06 17" Cable Ties.

Make sure that the molded ribs on the Receiver are against the frame of the vehicle, as shown above.

#M6 Flat Washers.

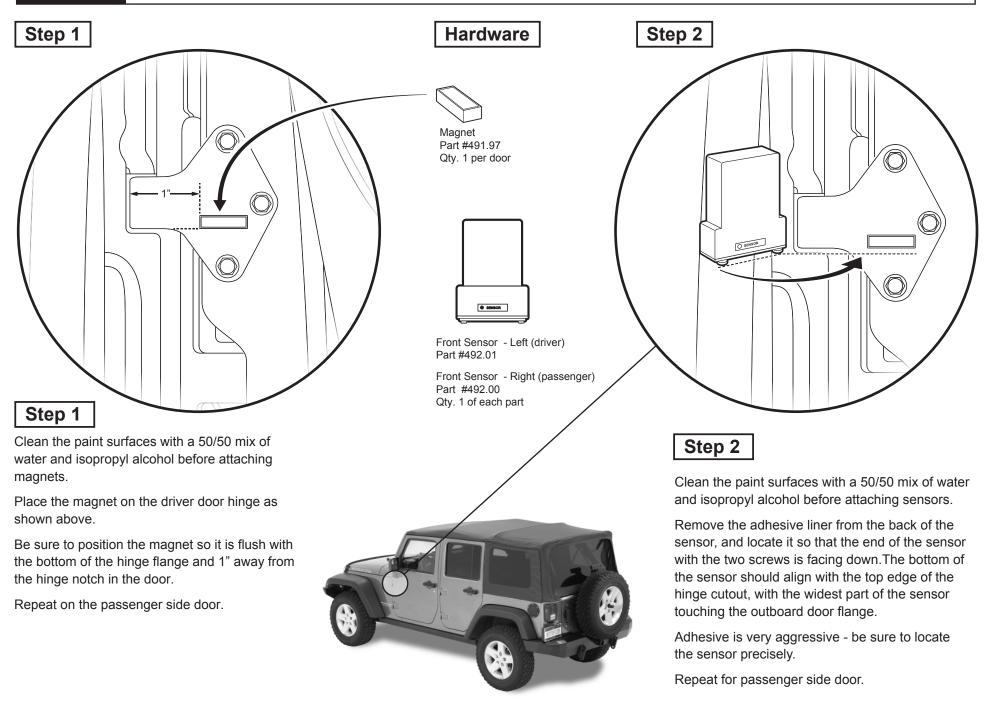
Left (Driver) side motor linkage shown above. Repeat for Right (Passenger) side of the vehicle.

With the Motor-Linkage assembly near the vehicle mounting position - underneath the rear of the vehicle door opening - attach the wiring

harness motor connector to the motor. Repeat on the Right (Passenger) side of the vehicle.

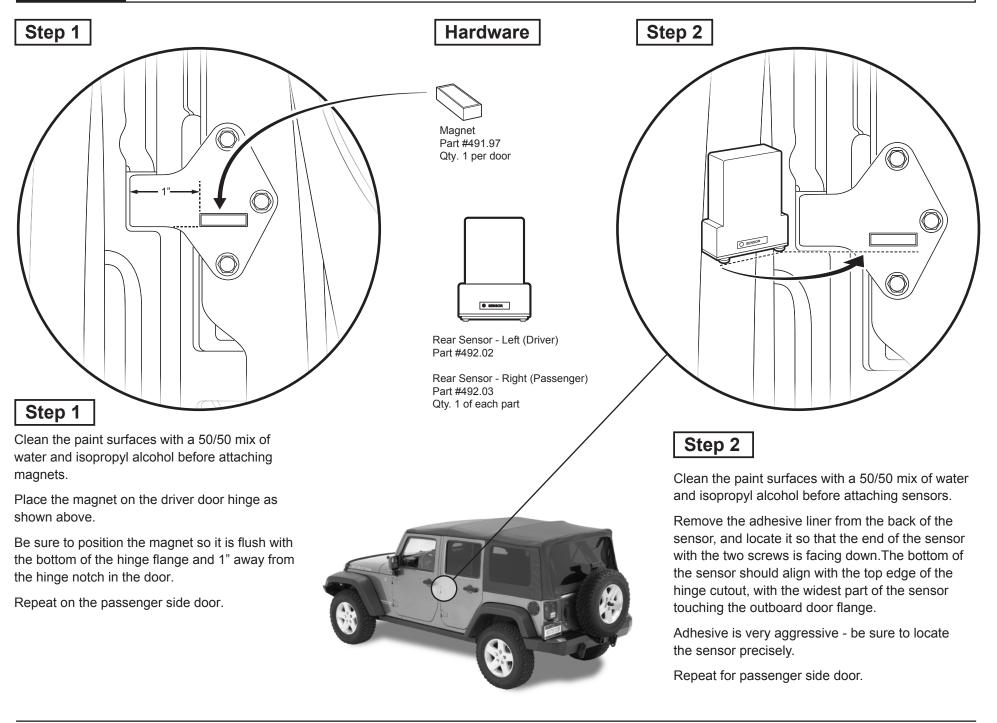
Section 5

Install Front Door Magnets & Sensors



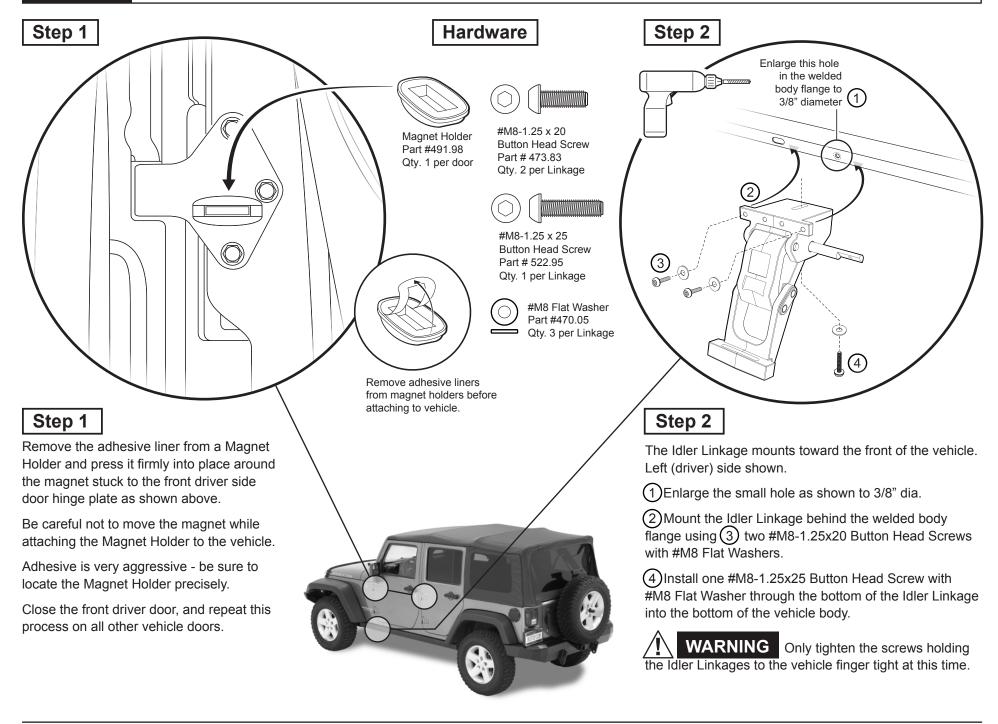
Section 5

Install Rear Door Magnets & Sensors



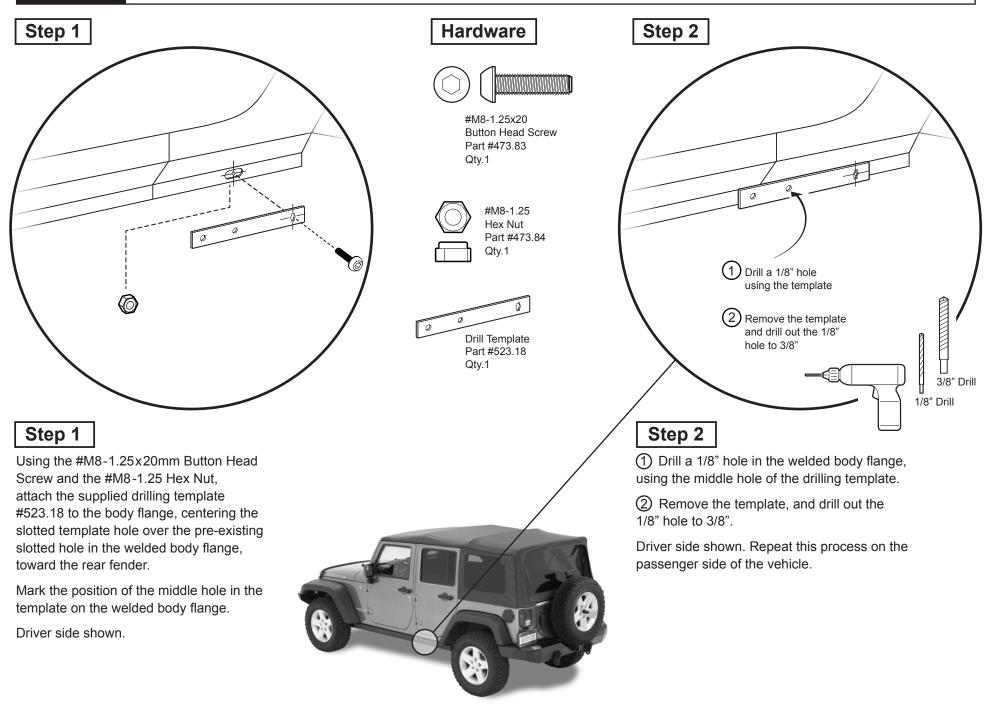
Section 6

Install Door Sensors and Idler Linkages





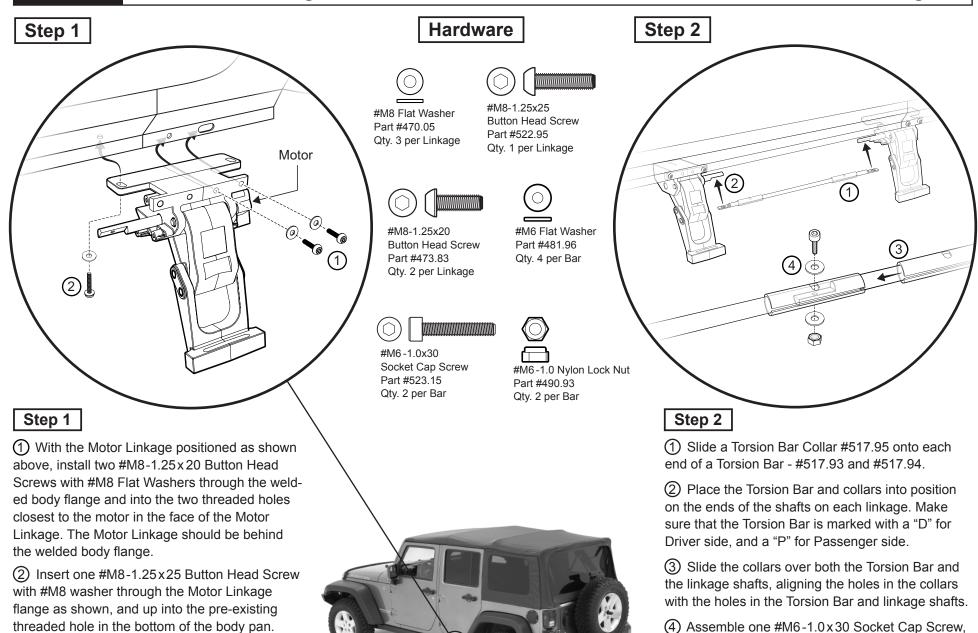
Drill Holes for Motor Linkage Mounting





Attach Motor Linkages and Torsion Bars





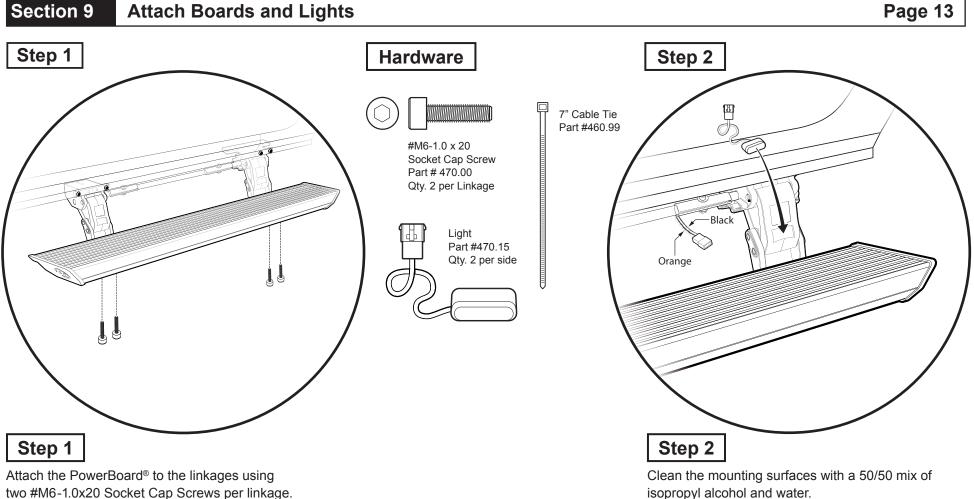
Driver side shown. Repeat on passenger side.

WARNING Only tighten screws holding the Motor Linkage to the vehicle finger tight at this time.

two #M6 Flat Washers, and one #M6 Nylon Lock

Nut through the hole in each collar. Tighten the

screw before tightening the Nylon Lock Nut.



WARNING Only tighten the screws

holding the Motor Linkages to the vehicle fingertight at this time.

isopropyl alcohol and water.

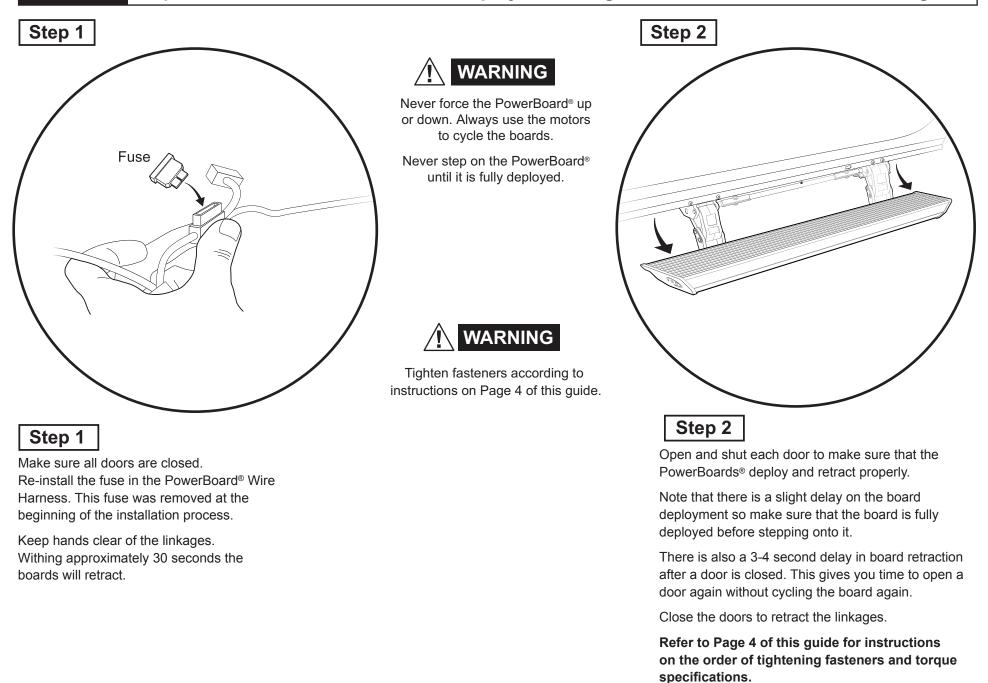
Remove the adhesive liner from the bottom of the light and firmly press it into the recessed area on the motor linkage.

Plug the pigtail from the light into the connector on the wiring harness with the orange and black wires.

Secure loose wires with the 7" Cable Ties as necessary.

Driver side shown. Repeat on passenger side of the vehicle.

Replace Wire Harness Fuse; Check Deployment & Tighten All Fasteners





POWERBOARD® NX TROUBLESHOOTING

Problem: Boards do not operate

- Possible Causes:
- Bad Ground
- · Bad Battery Connection
- Fuse Burned
- Magnet is too far away from sensor
- Bad receiver connection
- · Sensor battery low

Problem: Intermittent operation

Possible Causes:

- Bad battery connection
- · Bad ground
- Magnet is too far away from Sensor
- · Bad receiver connection
- · Sensor battery low

Problem: Boards operate randomly

Possible Causes:

- Wire connections not secure
- Magnet is too far away from Sensor
- Bad receiver connection
- · Sensor battery low

Problem: Board shakes and/or shudders during operation

Possible Causes:

- Bad ground
- Wire connections not secure
- Bad receiver connection
- Links misaligned

Problem: Delay in board operation or boards operate after doors are shut Possible Causes:

· Magnet is too far away from Sensor

Sensor battery low

Problem: Board retracts when doors are left open for a long period of time

· This is normal to save sensor battery life

POWERBOARD® NX SERVICE TIPS

Adjusting Linkage Alignment:

The board is designed to stop travel when the system senses a load. Misalignment can cause the board to stop early.

To adjust, loosen the boards from the linkages. Loosen the linkages from the vehicle. Cycle the boards up and down a few times. With the linkages extended, re-tighten the boards to the linkages. Cycle the boards again then re-tighten the linkages to the vehicle.

ATTENTION: DO NOT REMOVE THE FASTENERS

Replacing the Sensor Battery:

Each sensor is powered by a CR2450 3-volt battery that may periodically need to be replaced.

1. Remove the PowerBoard® wire harness fuse that is next to the vehicle battery.

2. Remove the two screws and the cover plate on the sensor. Slide out the circuit board and note the orientation of the board. Replace the battery and slide the circuit board back into the housing with its original orientation. Leave the vehicle door or doors open.

3. Reinstall the PowerBoard® fuse and wait 30 seconds. The sensor is reprogramming its address during this time.

4. Shut the door(s). Open and close the door(s) to check for normal operation.

5. If opening a door fails to operate the PowerBoard®, open the appropriate door and remove the PowerBoard® fuse.
Wait 30 seconds and the reprogramming will repeat.
Reinstall the fuse and check for normal operation.

CR2450 Battery

Website: www.Bestop.com



CARE AND MAINTENANCE:

The step pad surface and linkage arms should be washed with mild soap and water using a soft brush or sponge to dislodge any mud, dirt or accumulated road grime. Rinse with fresh water and avoid spraying the motors directly. After it is dry, lubricate the hinge with 3-In-One Oil. To prevent slipping, avoid applying waxes, lubricants, or protectants like Armor All® to the step surfaces.



PowerBoard® should always be stowed in the retracted position when driving.

LIMITED WARRANTY

We warrant our product to be free from defects in material and workmanship, for the terms specified below, provided there has been normal use and proper maintenance. This warranty applies to the original purchaser only. All remedies under this warranty are limited to the repair or replacement of any item or items found by the factory to be defective within the time period specified.

If you have a warranty claim, first you must call our factory at the number below for instructions. You must retain proof of purchase and submit a copy with any items returned for warranty work. Upon completion of warranty work, if any, we will return the repaired or replaced item or items to you freight prepaid. Damage to our products caused by accidents, fire, vandalism, negligence, misinstallation, misuse, Acts of God, or by defective parts not manufactured by us, is not covered under this warranty.

THE WARRANTY TIME PERIOD IS AS FOLLOWS: ALL PowerBoards® MANUFACTURED BY OUR COMPANY: THREE YEARS/36,000 MILES FROM DATE OF PURCHASE. ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE CREATED HEREBY ARE LIMITED IN DURATION TO THE SAME DURATION AND SCOPE AS THE EXPRESS WRITTEN WARRANTY. OUR COMPANY SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGE.

Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above imitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de license. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including nterference that may cause undesired operation.

The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

For further information or request for warranty work, please contact: Bestop Inc., Customer Service Toll-Free: (800) 845-3567 Main: (303) 465-1755 E-mail: csbestop@Bestop.com Website: www.Bestop.com