

Vehicle Application:
Ford F150 Super Crew 2015-Current
Ford Super Duty F250/350/450 Crew Cab 2017-Current
Part Number 75650-15

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.

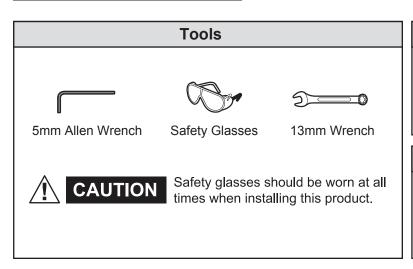
The manufacturer strongly recommends that this product be professionally installed.

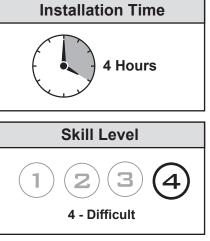
Failure to carefully follow the electrical installation steps could result in severe electrical shock which could harm the installer and/or damage the vehicle.

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





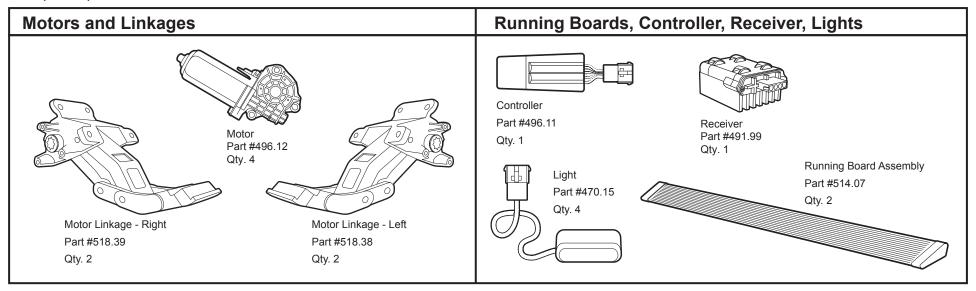
We're here to help! Go to www.Bestop.com and click "Ask a Question"

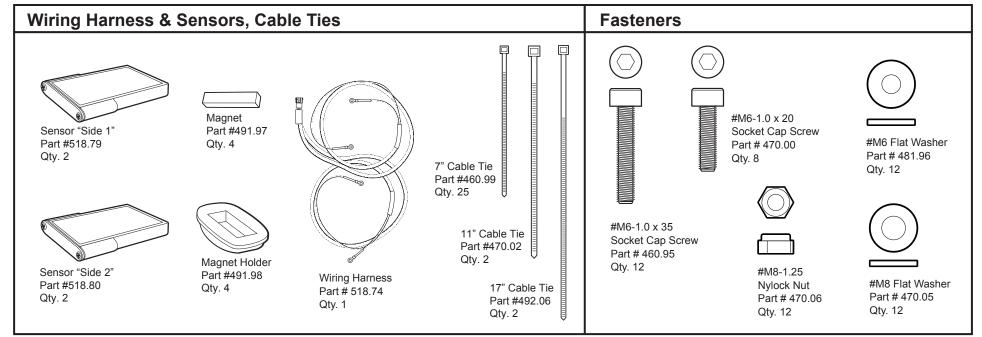


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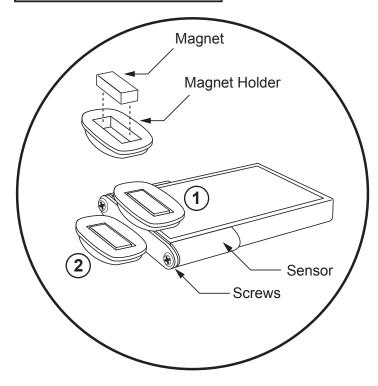
Parts List

- Required parts for installation





RF System Overview



The PowerBoards® are activated by Sensors that are to be mounted inside the door openings for each door. The Sensors are off when a magnet is next to the sensor end which has the two screws. The Sensor triggers the PowerBoards® to deploy when the magnet is moved about 3 inches away from the Sensor. The magnet can work in either of the locations shown - Position① or Position② - to signal the PowerBoards® to retract.

Be sure to mount the Sensors in a location that will allow removal of the screws for battery replacement. See Battery Replacement on page 33 of these instructions.

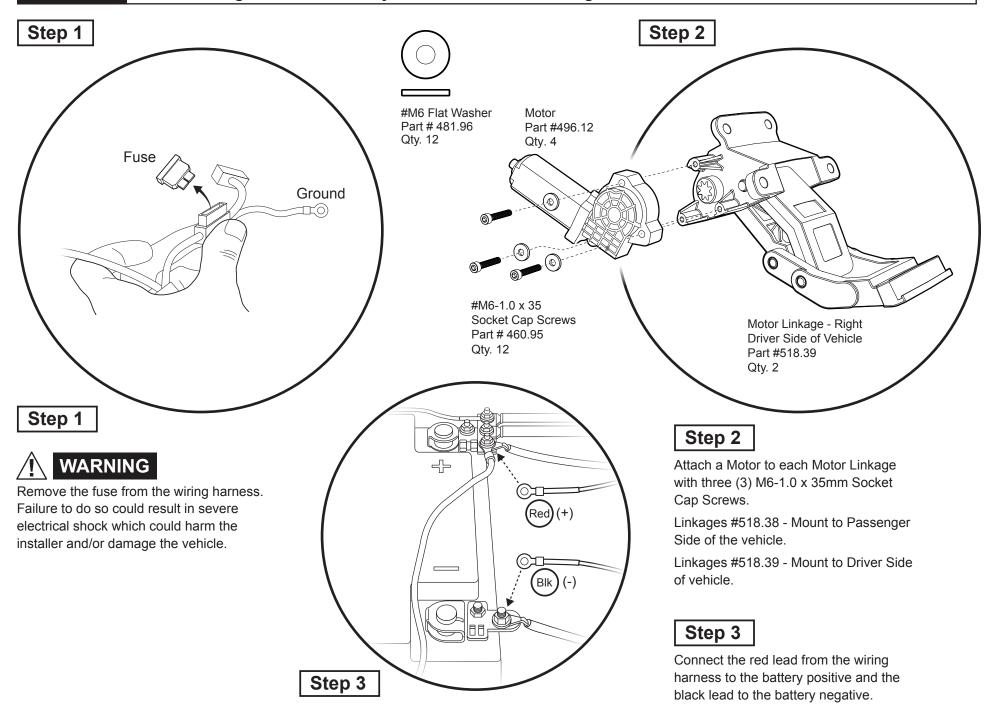
Initialize the System

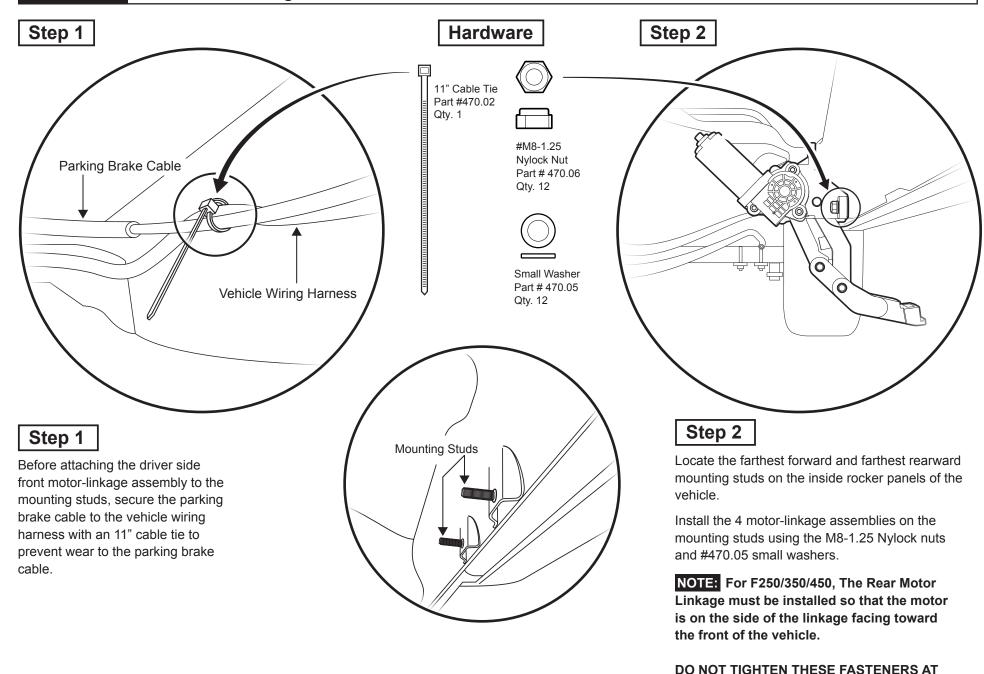
- **A.** Remove fuse from the PowerBoard® wire harness and connect the red lead to the battery positive and the black lead to negative.
- **B.** Layout the harness so the long leg (Side 2) crosses the engine compartment towards the vehicle side opposite to where the battery is mounted. Sensors labeled Side 2 will be mounted on this side of the vehicle.
- C. Attach a Motor to each Motor Link with three (3) M6-1.0 x 35mm Socket Cap Screws.
- **D.** Plug the Controller, Receiver, Lights and the Front Motor from each side into the harness. Leave magnets and sensors in the carton.
- **E.** Plug the fuse back into the harness. After a one second delay the Front Linkages will extend.
- **F.** Remove the fuse. DISCONNECT THE HARNESS FROM THE FRONT MOTORS. Connect the harness to the REAR motors and reinstall the fuse. After a one second delay, The REAR linkages will extend.
- **G.** Reconnect the front motors to the harness.
- **H.** Lay out all four sensors as they would be installed on the vehicle with the sensors labeled "Side1" on the same side as the harness leg labeled "Side 1". Repeat on the opposite side with the parts labeled "Side 2". Place a magnet next to each sensor as shown in the "RF System Overview". Both front and rear linkages should retract.
- **I.** If the Linkages are operating opposite from what is stated above, the motor leads must be reversed, so that blue connects to yellow, and yelow to blue, as shown below:



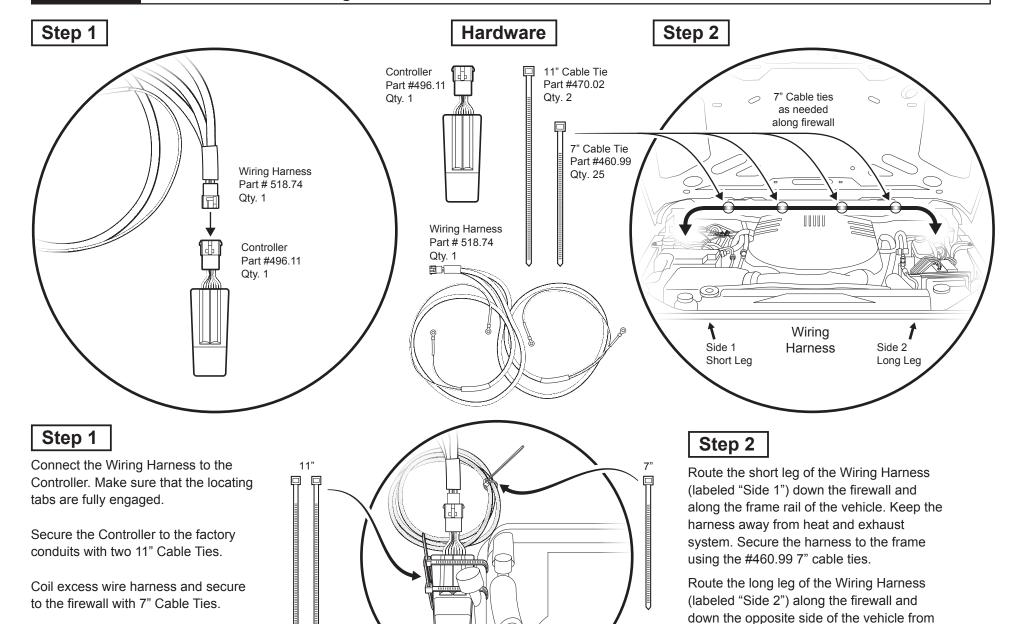
- **J.** Move all of the magnets away from the sensors. All four linkages should be extended.
- **K.** With the linkages extended, Remove the fuse and disconnect all four motors.

*If the system does not operate as stated above see the Troubleshooting and Battery Replacement sections on page 33 of the instructions or go to our web site at: http://www.bestop.com/support.



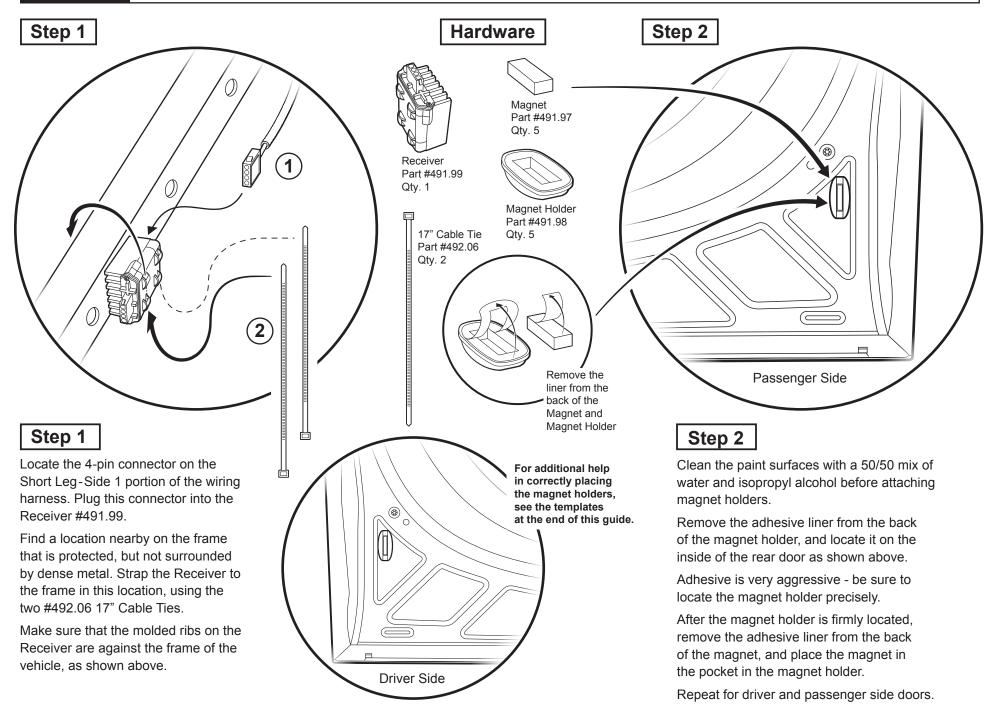


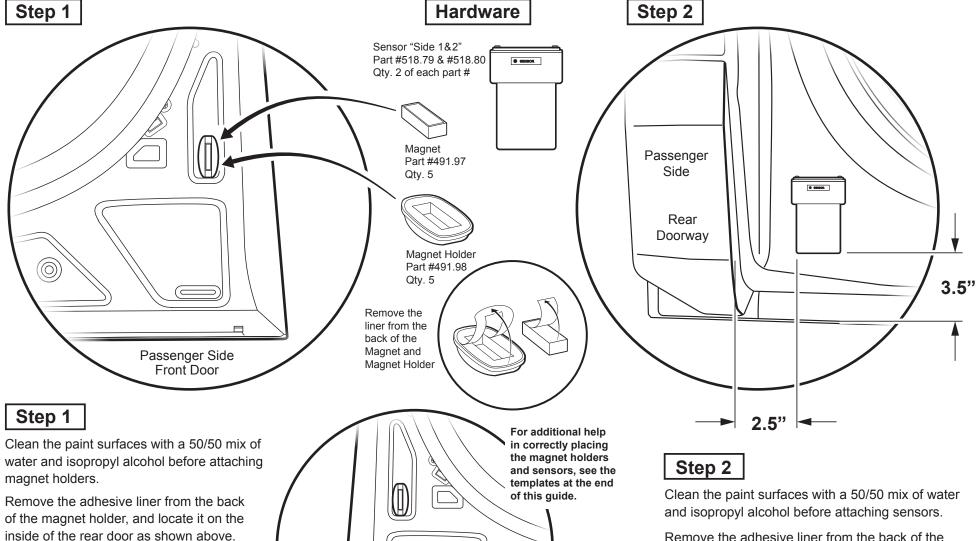
THIS TIME.



the battery location. Secure the harness to the firewall and frame using the #460.99

7" cable ties.





Adhesive is very aggressive - be sure to locate the magnet holder precisely.

After the magnet holder is firmly located, remove the adhesive liner from the back of the magnet, and place the magnet in the pocket in the magnet holder.

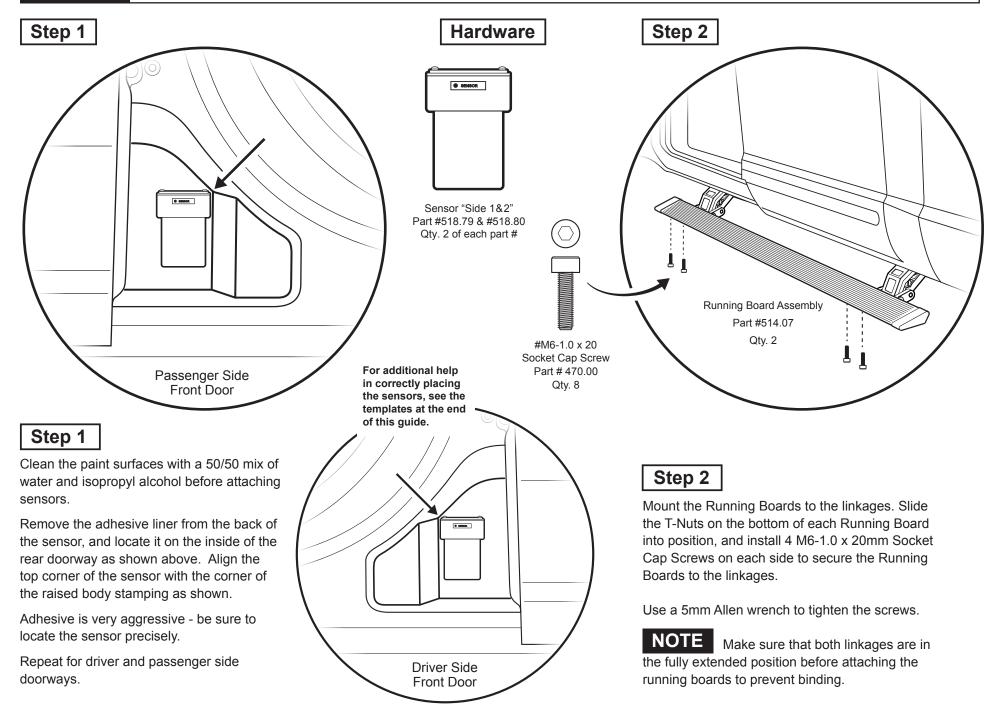
Repeat for driver and passenger side doors.

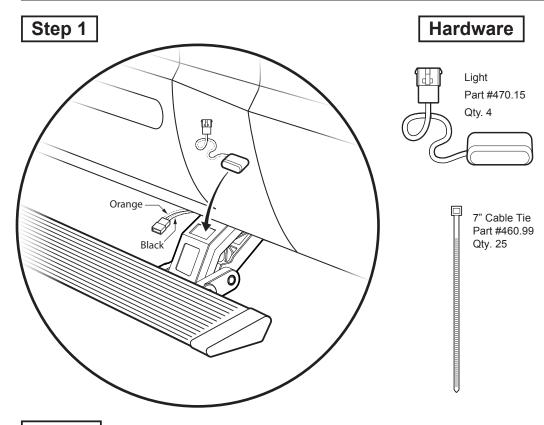
Remove the adhesive liner from the back of the sensor, and locate it on the inside of the rear doorway as shown above. 3.5" up from the bottom of the rubber door seal and 2.5" from the projecting door frame.

Adhesive is very aggressive - be sure to locate the sensor precisely.

Repeat for driver and passenger side doorways.

Driver Side Front Door





Step 1

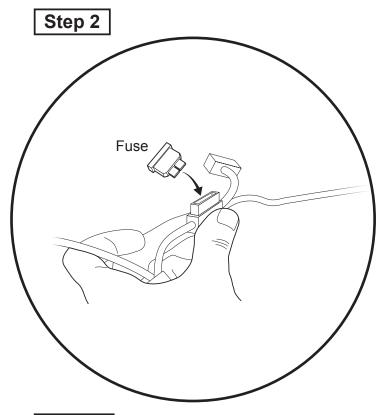
Clean the mounting surface of the Linkage with a 50/50 mix of isopropyl alcohol and water.

Remove the adhesive liner from the bottom of the light, and firmly press it into place in the recessed area on the linkage as shown above.

Adhesive is very aggressive - be sure to locate the light precisely.

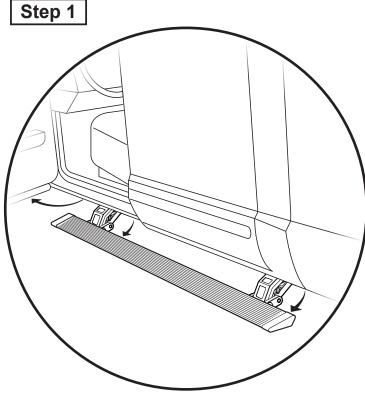
Plug the pigtail from the light into the connector on the wire harness with the black and orange wires.

Repeat for all 4 linkage locations. Secure loose wires with 7" Cable Ties as necessary.



Step 2

Re-install the fuse in the PowerBoard® Wire Harness, which was removed at the beginning of the installation process.



Step 1

Open and shut each door to make sure that the PowerBoards® deploy and retract properly.

There is a slight delay in the board deployment so make sure that the board is fully down before stepping onto it.

There is also a 3-4 second delay in board retraction after a door is closed. This gives you time to open another door without cycling the board again.

Cycle the PowerBoards® several times and then tighten all the fasteners:

- PowerBoard® to Linkage screws
- Linkage to vehicle body



WARNING

Never force the PowerBoard® up or down. Use the motors to cycle the boards.

Never step on the PowerBoard® until it is fully deployed.

Tighten the screws in the following order:

- 1. Board to Linkage
- 2. Linkage to Vehicle Body

Torque fasteners to the following specification: 5-7ft-lbs.

(6.79-9.40Nm - 60-84 in-lbs.)

Do not exceed 7 lb-ft. of torque.



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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:

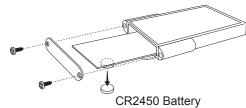
The board is designed to stop travel when the system senses a load. Misalignment can cause the board to stop early. To adjust, loosen the boards from the linkages. Loosen the linkages from the vehicle. Cycle the boards up and down a few times. With the linkages extended, re-tighten the boards to the 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.



Website: www.Bestop.com



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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 limitations 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.

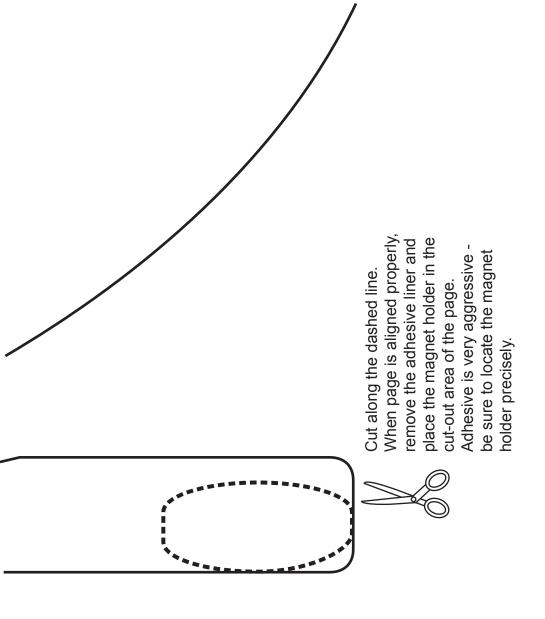
Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

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

E-mail: csbestop@Bestop.com Website: www.Bestop.com

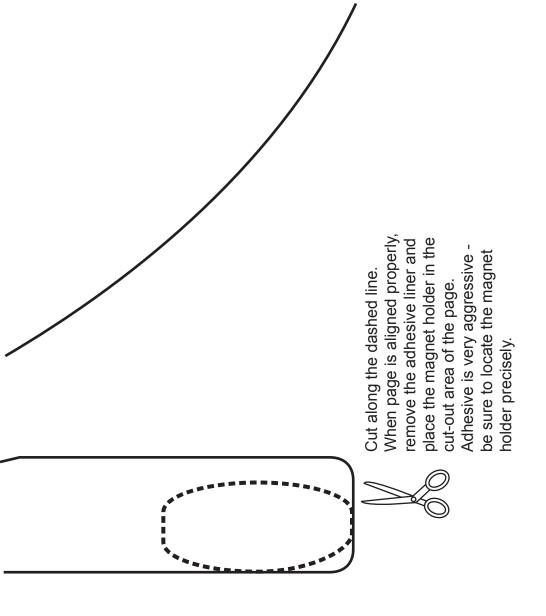


Template for installing Magnet Holder part #491.98 on the Front Doors.

Using the reverse side of this template, align this corner to the lower right corner of the passenger side door. the lower left corner of the driver side door. Align this corner of the template with

Align the bottom edge of the page with the bottom edge of the door





Template for installing Magnet Holder part #491.98 on the Front Doors.

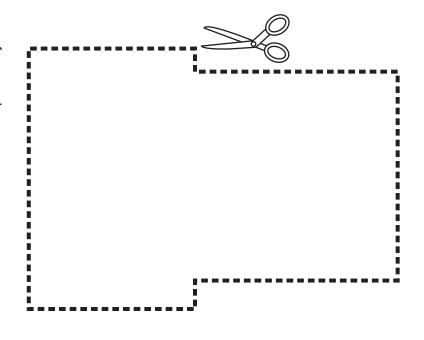
Using the reverse side of this template, align this corner to the lower right corner of the passenger side door. the lower left corner of the driver side door. Align this corner of the template with

Align the bottom edge of the page with the bottom edge of the door



Template for installing Sensor part #518.80 on the Front Doors,

be sure to locate the sensor precisely. When page is aligned properly, remove the adhesive liner and Adhesive is very aggressive Cut along the dashed line. cut-out area of the page. place the sensor in the



line with the edge of the body stamping on the passenger side door. Using the reverse side of this template, align the printed edge of the body stamping on the driver side door. Align this printed line with the

with the bottom edge of the weatherstrip. Align the bottom edge of the page

