



Installation Instructions



Power Step



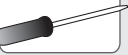




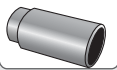







Automatic Retracting Running Board

Vehicle Application

- Ford F150 Supercrew
2001 - 2003 (2004 Heritage)
Part Number: 75111-01

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| | |
|---|---|
| INSTALLATION TIME | SKILL LEVEL |
|  |  |
| 3 Hours | 4 - Difficult |

| TOOLS | | | | |
|---|--|--|---|---|
|  Tape Measure |  Flat-Head Screwdriver |  Phillips Screwdriver |  Vise Grips |  Power Drill 1/8" and 21/64" Drill Bits |
|  Ratchet |  Wrench 13 mm |  Socket 7 mm, 13 mm |  Allen Wrench 5 mm and 3/16" |  Electrical Tape |
|  Silicone Sealant |  Crimp Tool |  Wire Cutters |  Wire Stripper |  Safety Glasses |



! 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.

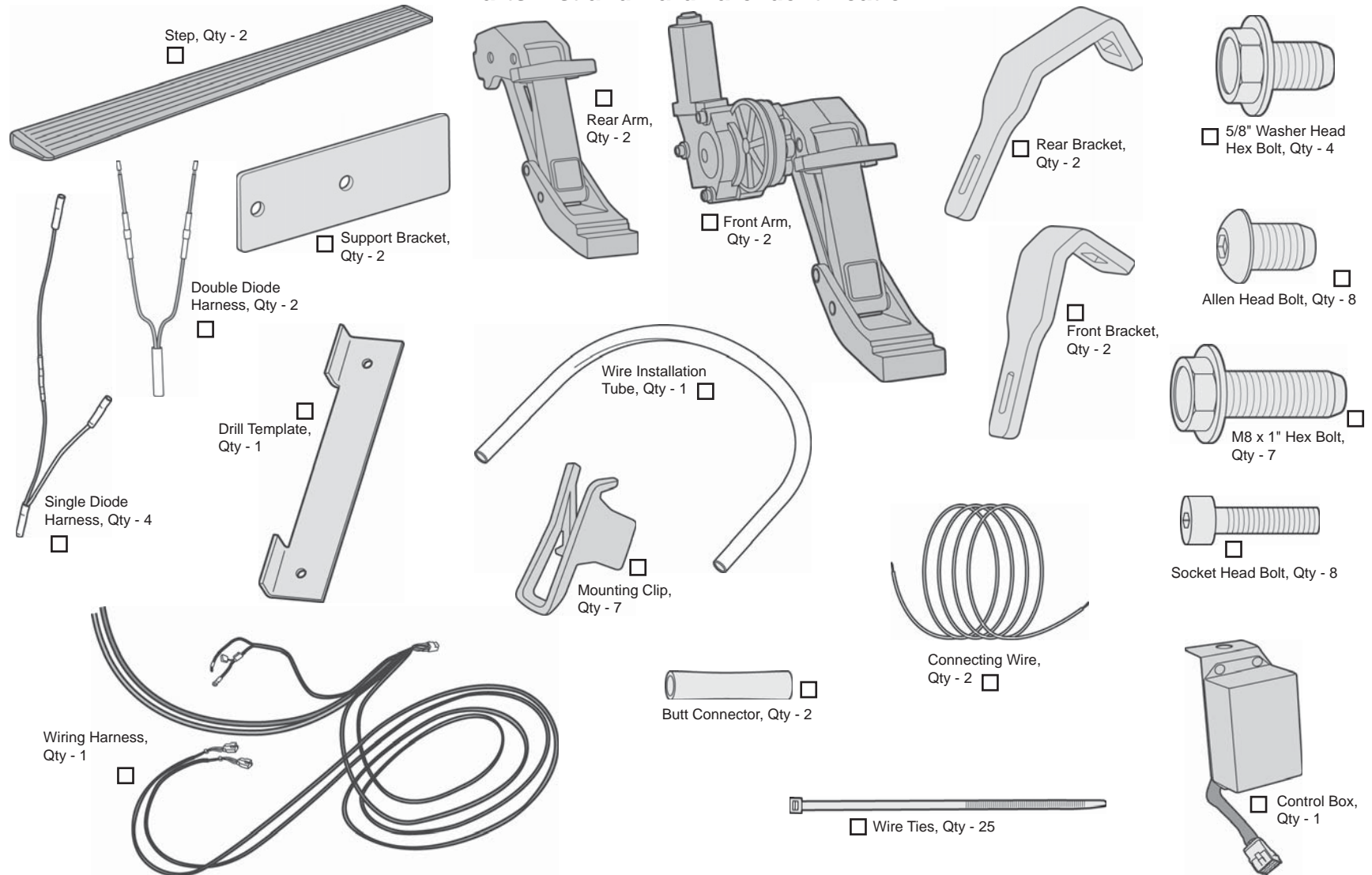
! WARNING This product is designed primarily to enhance the appearance of the vehicle and to shield the occupants from ordinary weather conditions. Do not rely in any way on the components of this product to contain occupants within the vehicle, or to protect against injury or death in the event of an accident. This product will not protect the occupants from falling objects. Never operate the vehicle in excess of manufacturer's specifications.

WEAR SEAT BELTS AT ALL TIMES

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

Power Step – Installation Instructions

Parts List and Hardware Identification



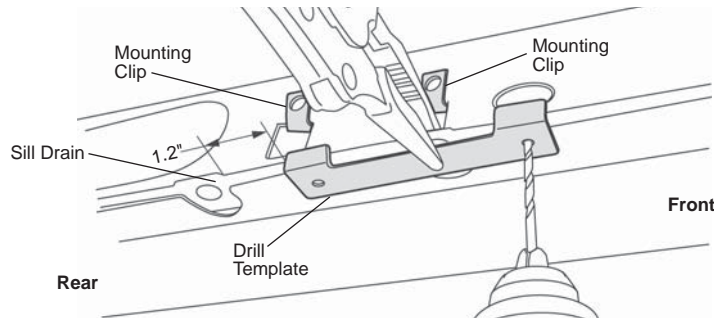
Power Step – Installation Instructions

NOTE Complete Steps 1 – 9 on the Driver's Side then repeat them on the Passenger Side. The illustrations show the Driver's Side.

1 Drill Holes for Rear Arm

Locate the Drill Template in the parts kit. Place it along the sill 1.2" in front of the rear sill drain. Use vise grips to secure the Template to the sill. Drill a 1/8" pilot hole at each location in the Template. Remove the Template and drill the holes out to 21/64".

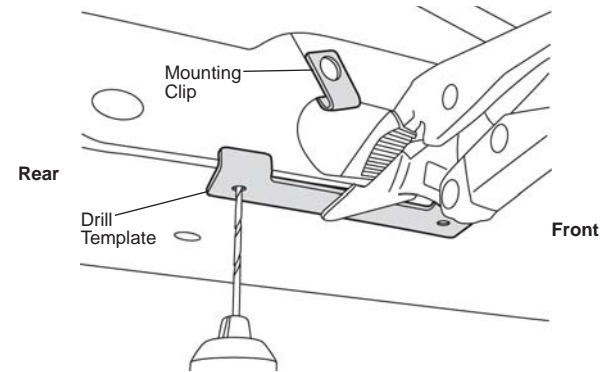
Place two Mounting Clips in the top of the holes above the sill.



2 Drill Holes for Front Arm

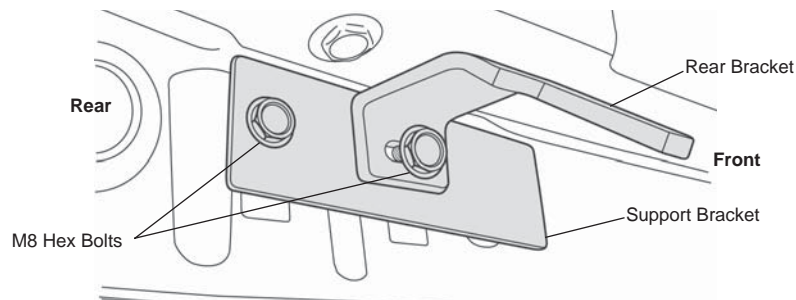
Place the Drill Template along the sill and center it relative to the stock mounting hole. Use vise grips to secure the Template to the sill. Drill a 1/8" pilot hole at each location in the Template. Remove the Template and drill the holes out to 21/64".

Place a Mounting Clip in the top of the stock mounting hole above the sill.



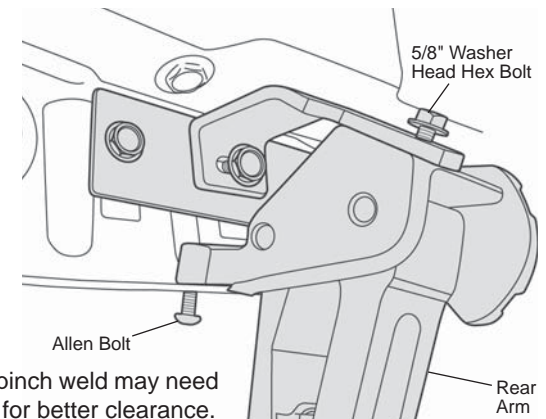
3 Install Support Bracket and Rear Bracket

Place a Support Bracket over the two Mounting Clips and align the holes. Place a Rear Bracket with the slot over the more forward of the two holes in the Support Bracket. Install an M8 Hex Bolt in each of the holes. Do not tighten the bolts at this time.



4 Install Rear Arm

Place the Rear Arm against the Rear Bracket and align the holes in the arm with the slot in the bracket and the holes drilled in Step 1. Install a 5/8" Washer Head Hex Bolt to secure the Rear Arm to the Rear Bracket and two Allen Bolts to secure the arm to the sill. Snug the bolts, but do not tighten them at this time.

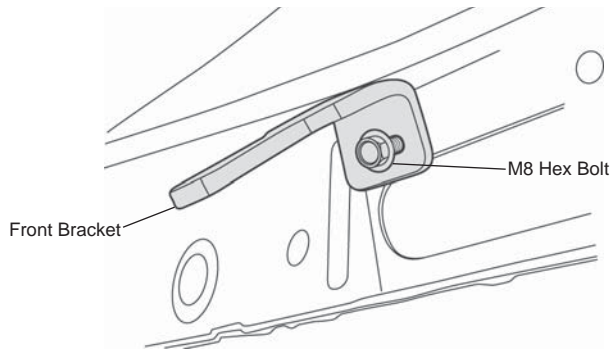


NOTE In some cases the pinch weld may need to be ground down for better clearance.

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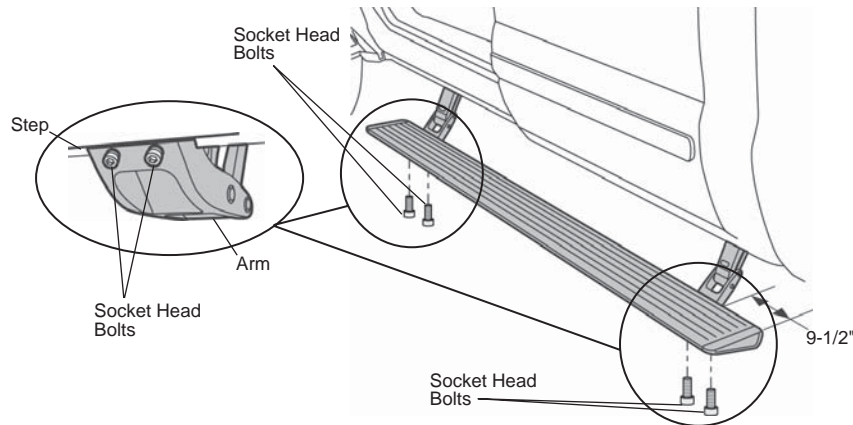
5 Install Front Bracket

Install a Front Bracket to the Mounting Clip above the upper stock mounting hole. Use an M8 Hex Bolt.



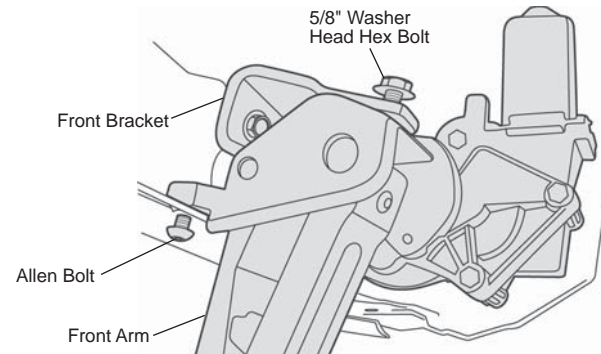
7 Install Step

Orient the Steps on the vehicle placing the rear of the Step 9-1/2" from the Rear Arm. Mount the Steps to the arms. Slide the mounting T-Nut into position. Install two Socket Head Bolts to secure the Step to each Arm. Use a 3/16" Allen Wrench to tighten the bolts to 10 ft./lbs.



6 Install Front Arm

Place the Front Arm against the Front Bracket and align the holes in the arm with the slot in the bracket and the holes drilled in Step 2. Install a 5/8" Washer Head Hex Bolt to secure the Front Arm to the Front Bracket and two Allen Bolts to secure the arm to the sill. Snug the bolts, but do not tighten them at this time.



8 Tighten Bolts

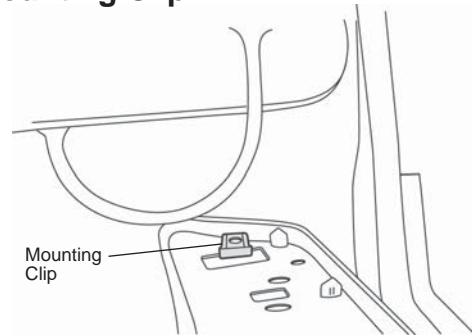
Tighten the bolts in the preceding steps to 16 ft. lbs.

Repeat Steps 1 – 8 to install the passenger side Step.

Power Step – Installation Instructions

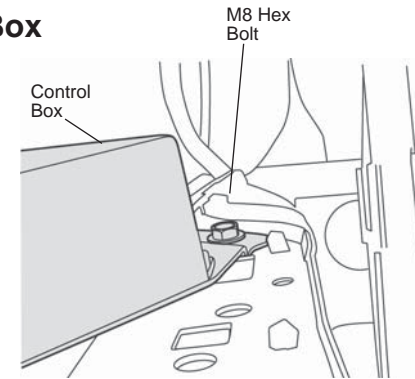
9 Install Control Box Mounting Clip

Locate the open slot in front of the wiper fluid reservoir under the hood. Install a Mounting Clip on the edge of the opening.



10 Install Control Box

Use an M8 Bolt to mount the Control Box to the Mounting Clip.



11 Remove Front Radiator Shroud

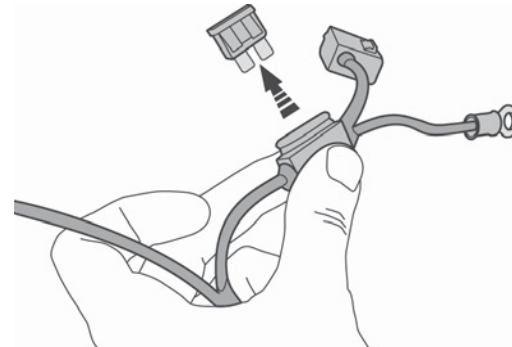
Remove the front radiator shroud to make it easier to route the Wiring Harness through the engine compartment.



! WARNING Remove the fuse from the Wiring Harness.

12 Remove Fuse from Wiring Harness

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.

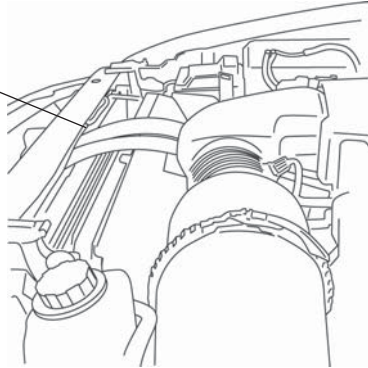


Power Step – Installation Instructions

13 Install Wiring Harness

Route the longer leg of the harness and the power hook up end across the front of the engine compartment. Use the wire ties in the parts kit to secure the harness.

Route the Wiring Harness across front of Engine Compartment and secure with Wire Ties



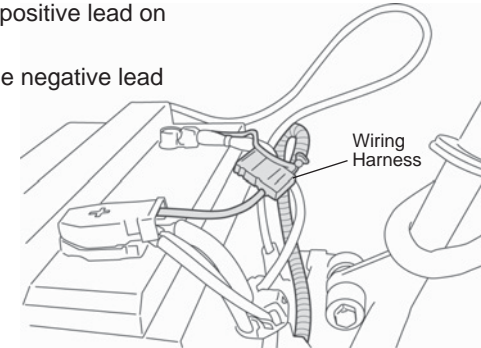
CAUTION

Do not ground the wrench when engaged with the Nut

14 Secure Leads

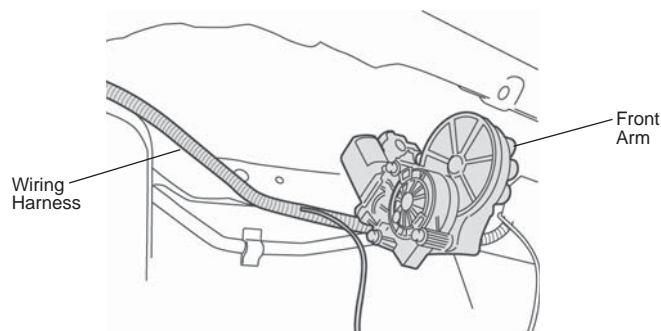
Attach the red wire to the positive lead on the battery.

Attach the black wire to the negative lead on the battery.



15 Attach Wiring Harness to Motors

Route the ends of the harness with the motor connectors down the inner side walls of the vehicle and along the frame to the motors on the Front Arms. Use wire ties to secure the harness to the frame. Plug the connectors into the motors.



16 Install Trigger Wires

Puncture the grommets in the floor panel and thread the purple trigger wires from the Wiring Harness through the firewall.

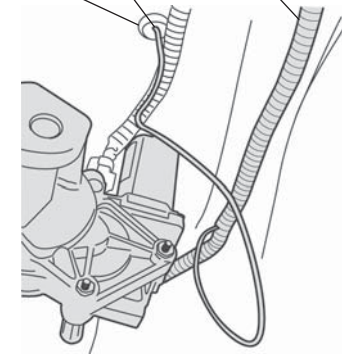
Pull the wires through the grommets and seal the holes with Silicone Sealant.

Make sure any loose wires are secured with Wire Ties or Electrical Tape.

Thread Purple Wire through Grommet

Puncture Grommet

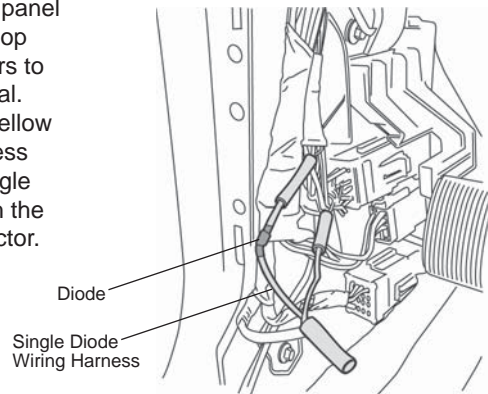
Wiring Harness



Power Step – Installation Instructions

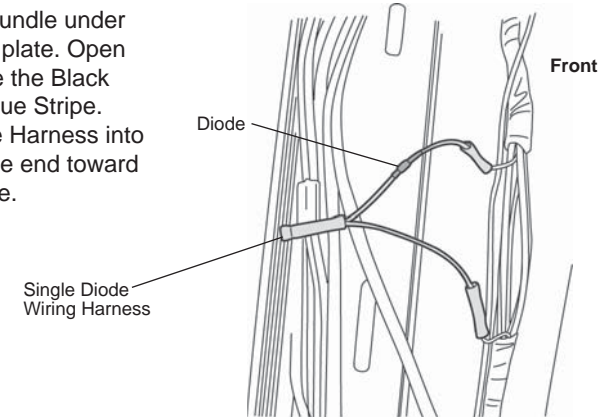
17 Install Single Diode Harness – Driver’s Side

Remove the step plate and kick panel on the driver’s side. Locate the top connector of the three connectors to the left of the parking brake pedal. Locate the Black wire with the Yellow Stripe and a Single Diode Harness from the parts kit. Splice the Single Diode Harness into the wire with the diode end away from the connector.



18 Install Single Diode Harness – Driver’s Side

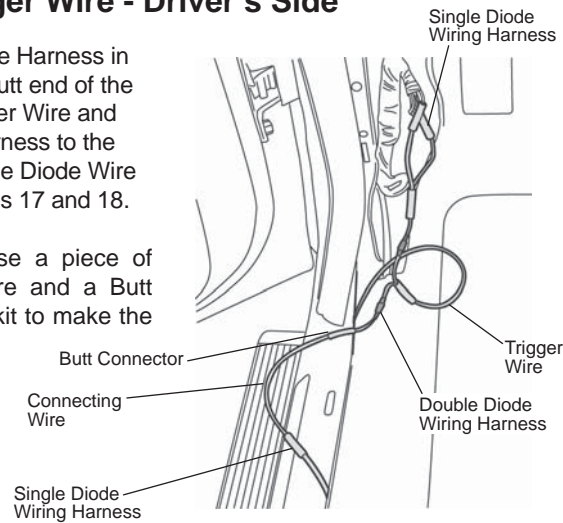
Locate the harness bundle under the driver’s side step plate. Open the bundle and locate the Black Wire with the Light Blue Stripe. Splice a Single Diode Harness into the wire with the diode end toward the front of the vehicle.



19 Connect Trigger Wire - Driver’s Side

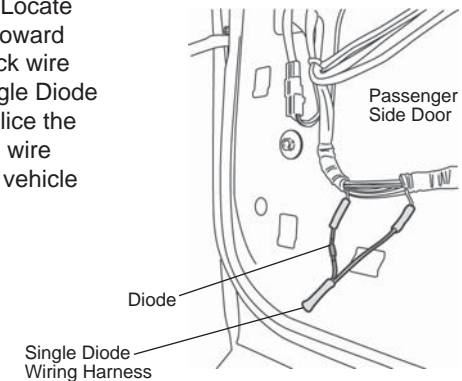
Locate a Double Diode Wire Harness in the parts kit. Connect the butt end of the harness to the purple Trigger Wire and connect the ends of the harness to the butt connectors of the Single Diode Wire Harnesses installed in Steps 17 and 18.

NOTE If necessary use a piece of Connecting Wire and a Butt Connector from the parts kit to make the connection.



20 Install Single Diode Harness – Passenger’s Side Door

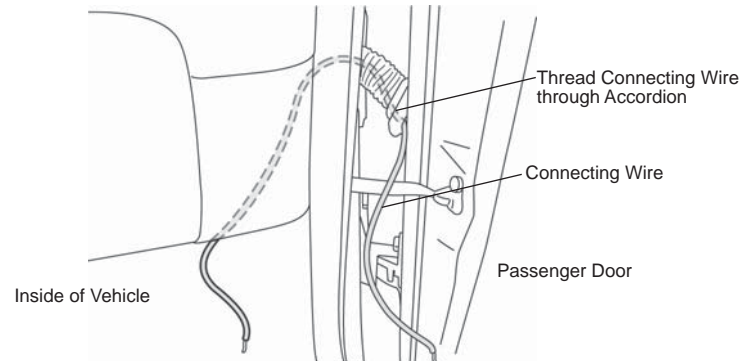
Remove the front door panel. Locate the wire bundle that runs out toward the door latch. Locate the Black wire with the Pink Stripe and a Single Diode Harness from the parts kit. Splice the Single Diode Harness into the wire with the diode end toward the vehicle cabin.



Power Step – Installation Instructions

21 Install Connecting Wire – Passenger’s Side Door

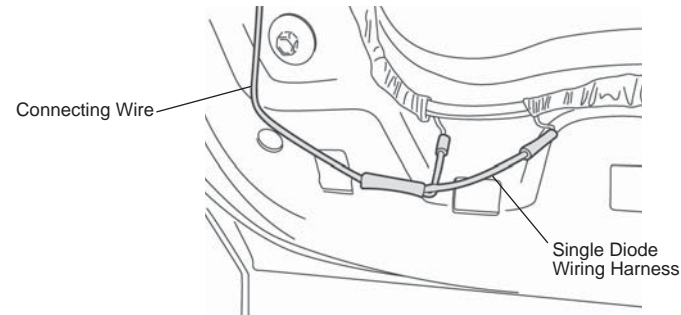
Locate the Connecting Wire in the Parts Kit. Thread it through the door hinge wire accordion from the door into the vehicle. If necessary, use the Wire Installation Tube provided in the parts kit to make this easier.



22 Connect Single Diode Harness – Passenger’s Side Door

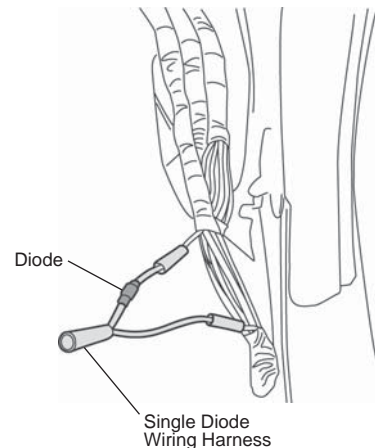
Connect the door end of the Connecting Wire to the butt of the Single Diode Wiring Harness installed in Step 20.

Secure any loose wires with Wire Ties or electrical tape.



23 Install Single Diode Harness – Passenger’s Side

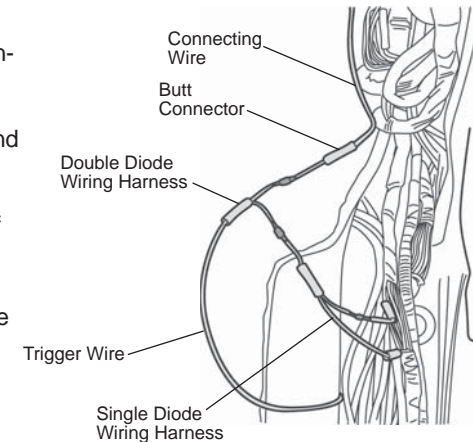
Remove the kick panel on the passenger’s side. Locate the wire bundle that comes from the rear of the vehicle. Open the bundle and locate the Black wire with the White Stripe. Splice a Single Diode Harness into the wire with the diode end toward the front of the vehicle.



24 Connect Trigger Wire - Passenger’s Side

Locate the second Double Diode Wire Harness in the parts kit. Connect the butt end of the harness to the purple Trigger Wire. Use a Butt Connector to connect one end of the harness to the Connecting Wire from the door. Connect the other end to the butt connector of the Single Diode Wire Harness installed in Step 23.

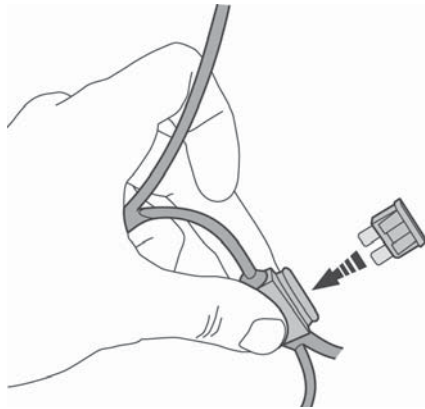
Secure any loose wires with Wire Ties or electrical tape.



Power Step – Installation Instructions

25 Reinstall Fuse

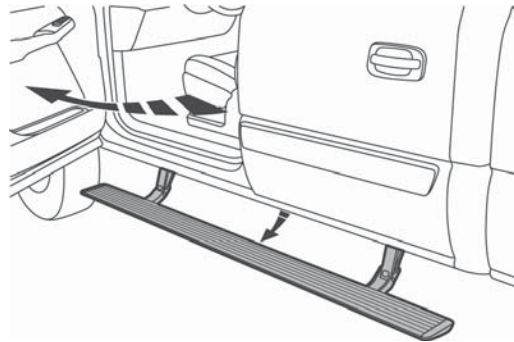
Reinstall the fuse in the harness.



26 Test Doors

Open the doors to make sure that the Step drops into position on each side of the vehicle.
Check that all bolts and fasteners are securely tightened.

NOTE If the Step position is not even, make the adjustment in Step 28.



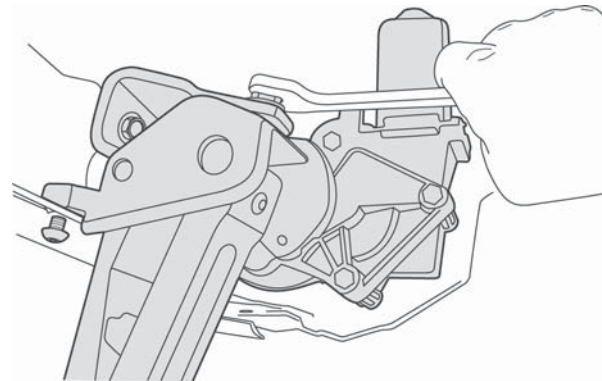
27 Reassemble Doors

Once you have checked that the Steps function properly, reassemble the doors and reinstall the Kick Plates and Step Plates on both sides of the vehicle.

28 Stow Position Adjustment

If necessary, adjustments may be made to increase or decrease the gap between the Step and the rocker panel when the Step is stowed.

Make sure that the Step is extended. Loosen the Small Washer Head Hex Bolt that secures the Arms to the Front and Rear Brackets. Adjust the Step and retighten the bolts to 16 ft. lbs.



Power Step – Installation Instructions

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 "SOFT GOODS" MANUFACTURED BY OUR COMPANY (USING PRIMARILY VINYL, PLASTICS, AND/OR FOAM): ONE YEAR 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.



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