

INSTALLATION GUIDE

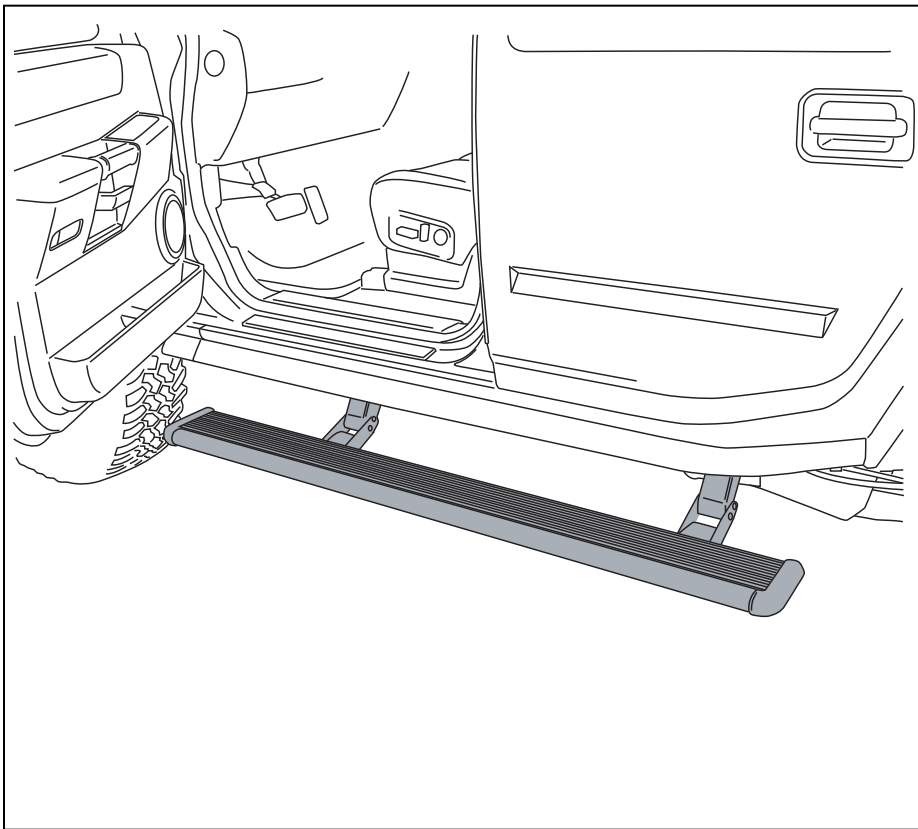
AMP RESEARCH Power Step

MADE IN USA

APPLICATION
HUMMER® H2

MODEL YR
2003 - up

PART #
75107-01A



INSTALLATION TIME



SKILL LEVEL



4= Experienced

TOOLS REQUIRED

- Safety goggles
- Measuring tape
- Flat blade screwdriver
- Phillips head screwdriver
- 9/32" drill bit
- 18 mm deep well socket with swivel / universal
- 17 mm socket
- 13 mm socket
- 10 mm socket
- Ratchet wrench and extension
- 13 mm end wrench
- Wire crimpers
- Wire stripper / cutter
- 3/16" hex key wrench (allen wrench)
- 4mm hex key wrench (allen wrench)
- Electrical tape
- Weather proof caulking (silicone-sealer)

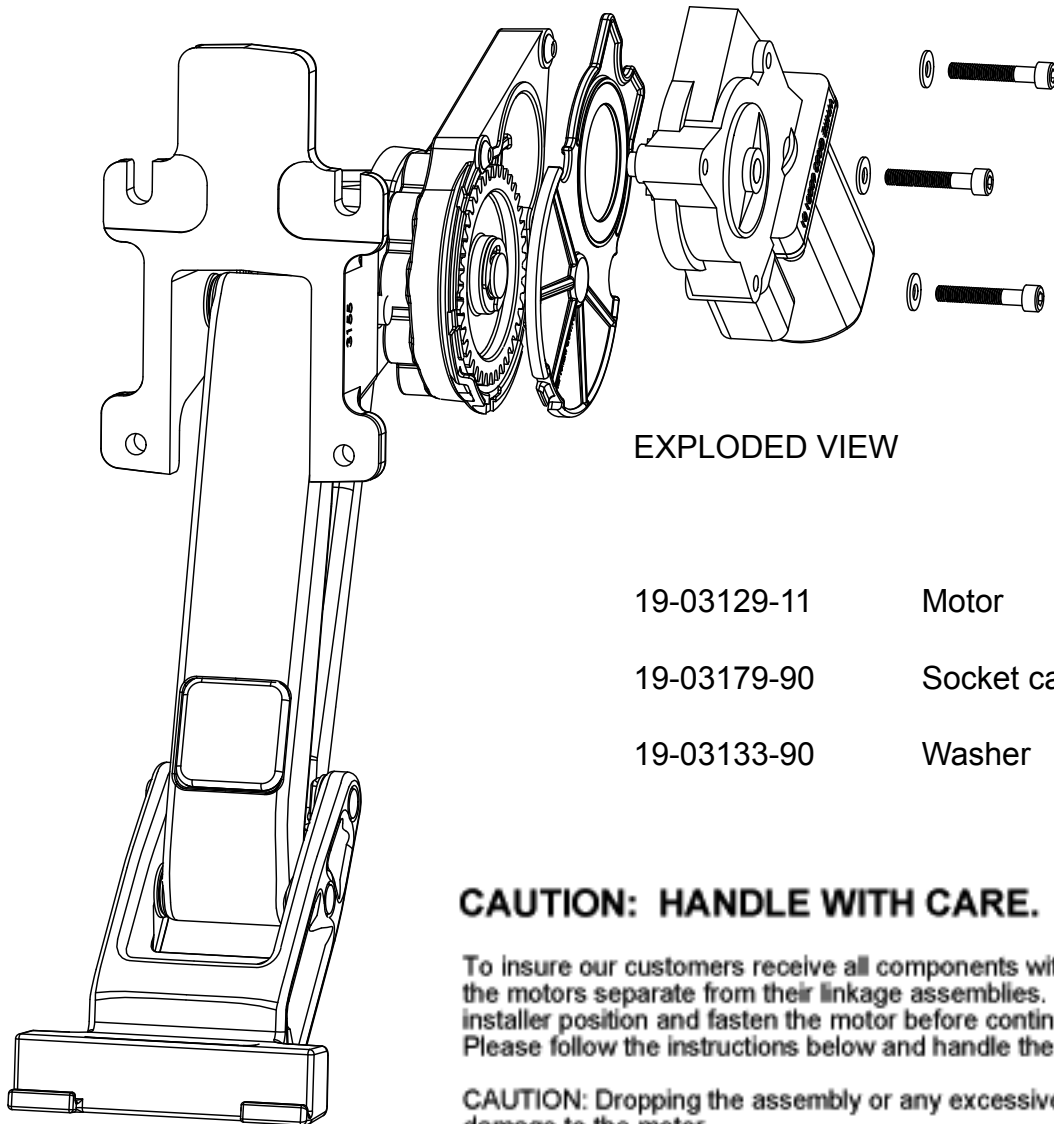
AMP RESEARCH TECH SUPPORT 1-888-983-2204 (Press 2) Monday - Friday, 6:00 AM - 5:00 PM PST

Designed and manufactured by AMP Research®. Patent Number 6,830,257; 6,641,158; 6,834,875; 6,938,909; 6,942,233; 7,007,961; 7,055,839; 7,163,221; 7,367,574; 7,380,807; 7,398,985; 7,413,204; 7,487,986. Other US and Worldwide patents pending. Made in USA © 2010 AMP Research
5-year limited warranty. Professional installation is recommended.

INSTALLATION GUIDE

Attaching motor to linkage assembly

The motors must be attached to the linkage assemblies before continuing the installation process.



EXPLODED VIEW

19-03129-11	Motor
19-03179-90	Socket cap screw
19-03133-90	Washer

CAUTION: HANDLE WITH CARE.

To insure our customers receive all components with full integrity, we pack the motors separate from their linkage assemblies. This requires that the installer position and fasten the motor before continuing with the install. Please follow the instructions below and handle the assembly carefully.

CAUTION: Dropping the assembly or any excessive impact MAY cause damage to the motor.

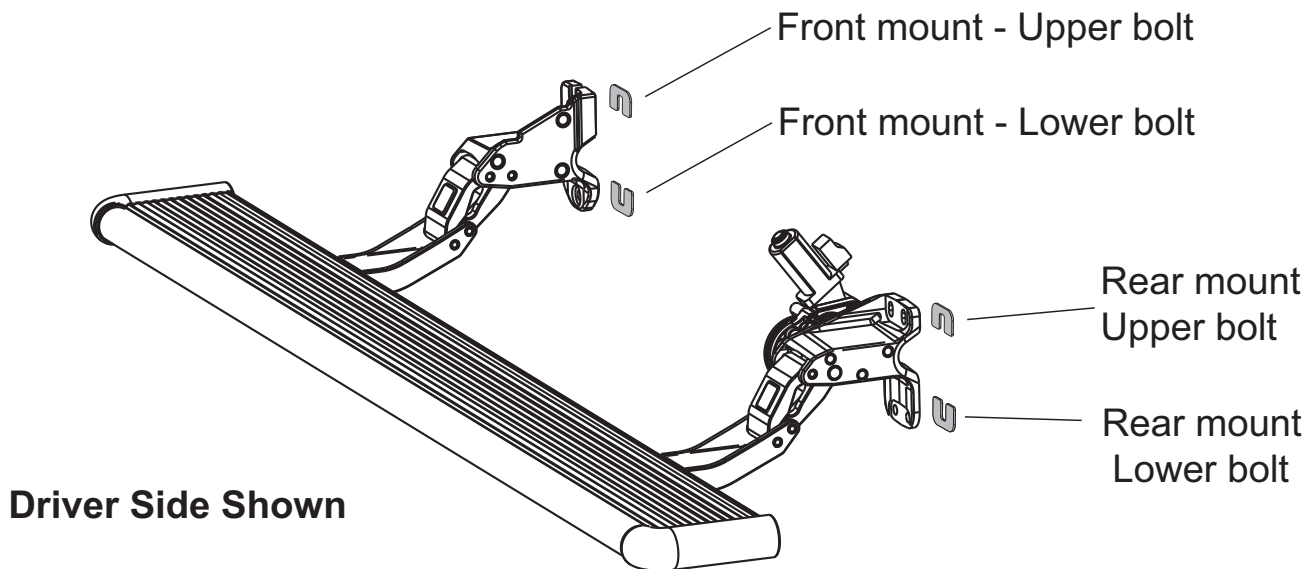
Instructions:

1. Position the gear cover in place as shown if not already in place.
2. Seat motor into position on the three mounting bosses. The motor mounts will sit flush to all three mounting bosses. This may require an adjustment of the gear by moving the swing arms.
3. After seating into place, fasten the motor with the three motor mount screws with T30 Torx. Tighten screws to 80 in-lbs (9N-m). Do not over torque.

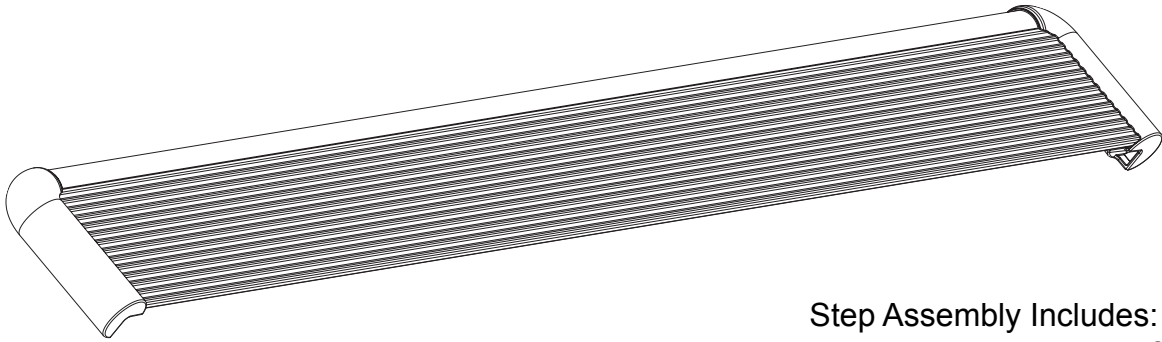
Purpose: Due to vehicle-build variations the Power Step may not correctly align with vehicle cladding. Using supplied shims, please follow the instructions below to correct the alignment.

Misalignment:	Shim Correction:
The gap between board and vehicle cladding is too large toward rear of running board.	Shim rear mount at lower bolt. (diagram below)
The gap between board and vehicle cladding is too small toward rear of running board.	Shim rear mount at upper bolt. (diagram below)
The gap between board and vehicle cladding is too large toward front end of running board.	Shim front mount at lower bolt. (diagram below)
The gap between board and vehicle cladding is too small toward front end of running board.	Shim front mount at upper bolt. (diagram below)

Shim Placement: Place shim(s) *only where needed* as indicated above in “Misalignment/ Shim Correction” chart.

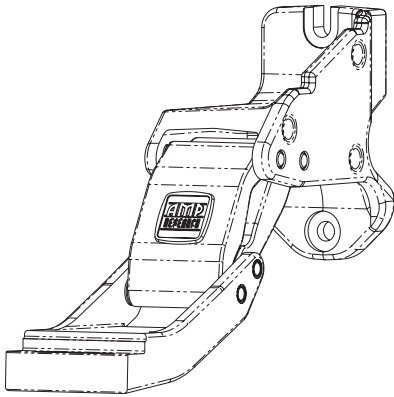


PARTS LIST AND HARDWARE IDENTIFICATION

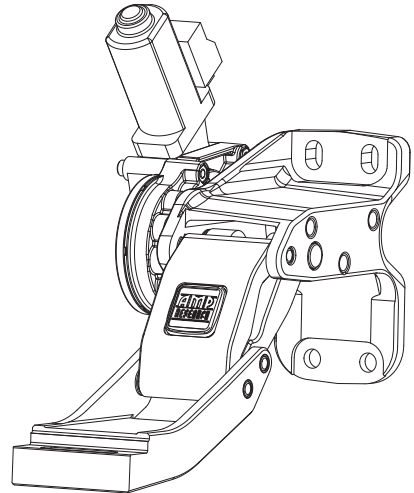


1 x2
80-02874-90
Running Board Assembly

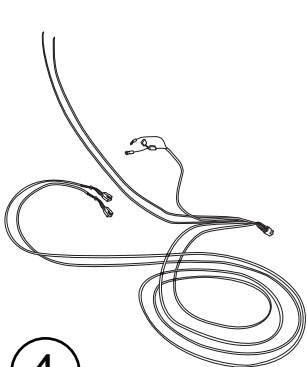
Step Assembly Includes:
19-02869-11 Endcap Left (x1)
19-02869-12 Endcap Right (x1)
19-02663-90 T-Nut Insert (x2)
19-02822-90 Rivet (x2)



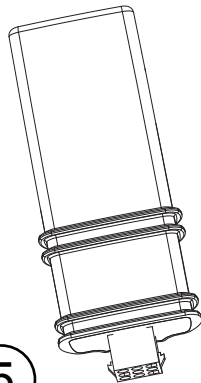
2 x2
10-02952-10
Idler Linkage



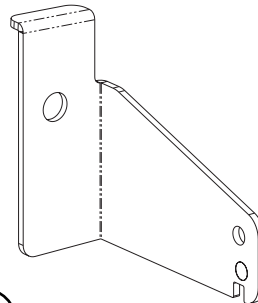
3 x2
10-03069-11
Motor Linkage



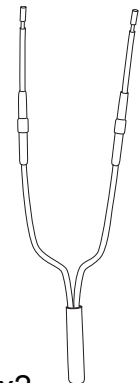
4
19-02947-91
Wire Harness



5
19-03297-93
Controller

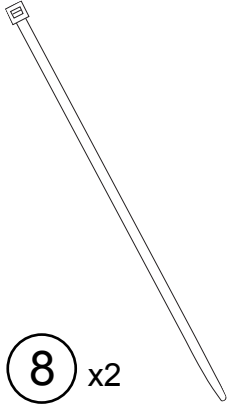


6
16-02946-90
Bracket

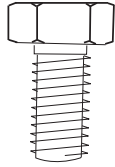


7 x2
19-02890-90
Double Diode

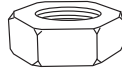
PARTS LIST AND
HARDWARE
IDENTIFICATION



8 x2
19-03339-90
Cable Tie 11"



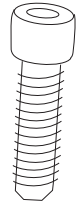
9
19-02849-90
Hex Bolt



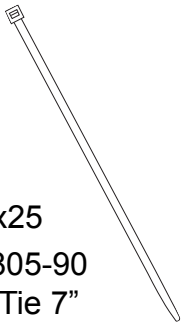
10
10-00115-60
Nylock Nut



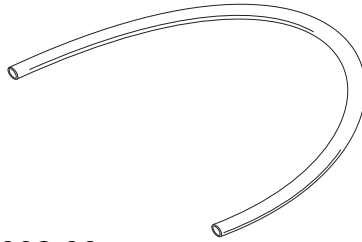
11
16-03014-90
Washer Black



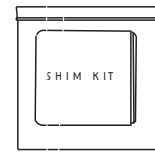
12 x8
19-02802-90
Socket Cap Screw



13 x25
19-02805-90
Cable Tie 7"



14
19-02992-90
Tubing (Installation Tool)

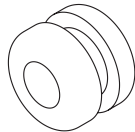


*REFER TO STEP 33.
USE ONLY IF NEEDED.

15 Includes x4
19-03142-90
Shim



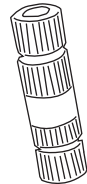
16 x2
19-02986-90
Connecting Wire



17
19-02640-90
Grommet

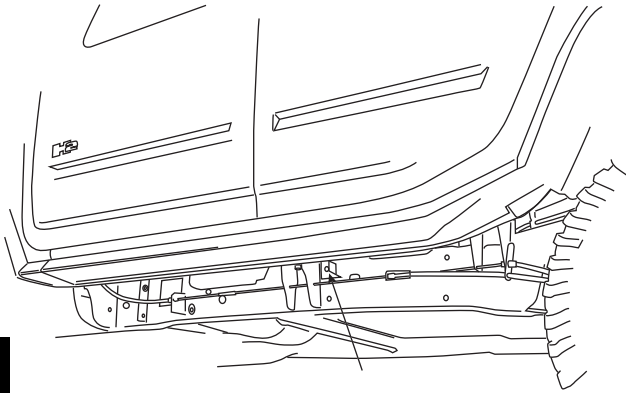


18 x2
19-02989-90
Butt Connector



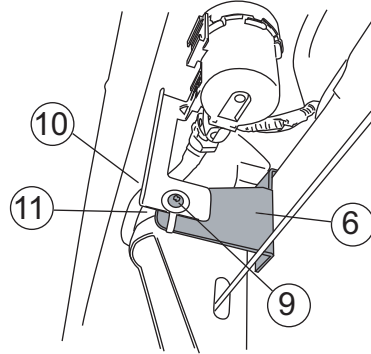
19 x4
19-03354-90
Posi-Tap™ (Red/Grey)

Remove canister purge valve bracket from rock rail
remove existing rock rail
by unscrewing ten bolts



1

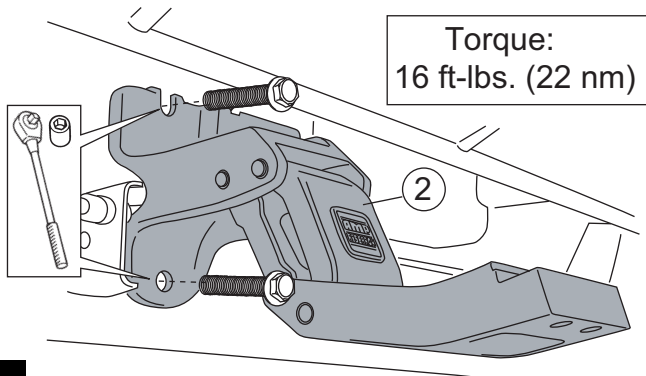
Install new canister purge valve bracket on fourth set of holes from the front (upper bolt)



2

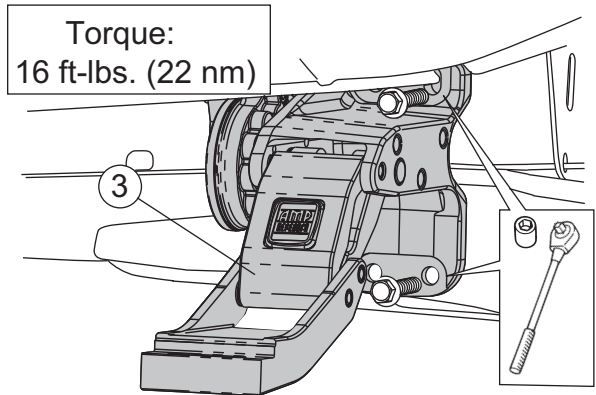
(Attach canister purge valve to bracket)

Mount front linkage assembly with existing bolts on the second set of holes from the front
With 18mm socket



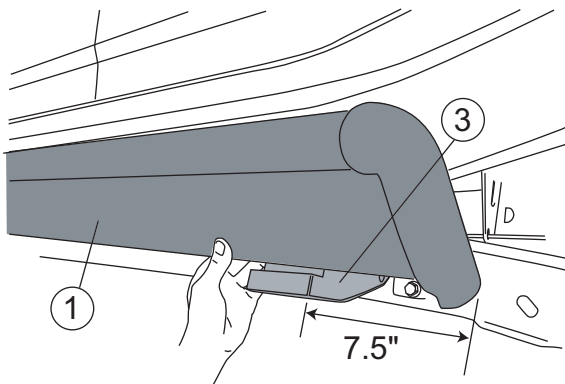
3

Mount motorized linkage with existing bolts on the fifth set of holes from the front. Use rearward hole set on linkage.



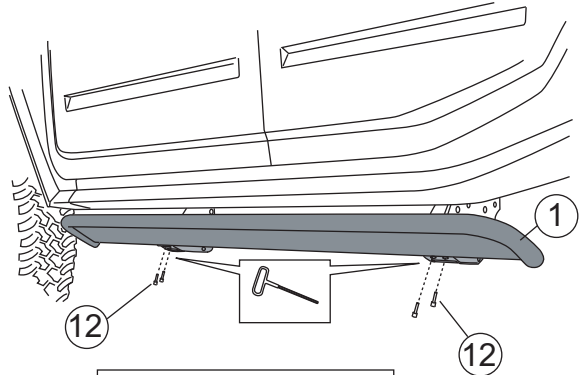
4

To mount running board, slide t-nut into position
(Align with holes)



5

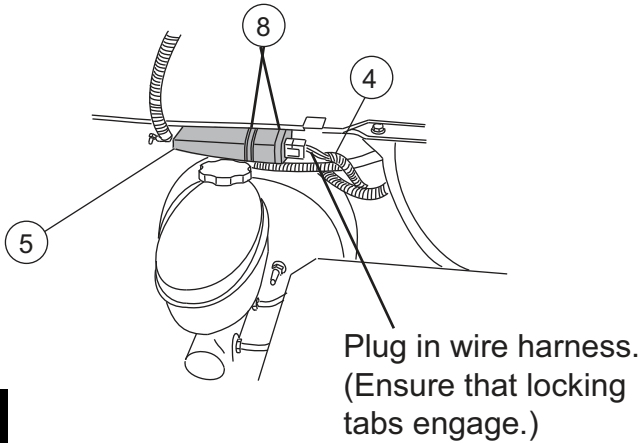
Tighten 4 screws with 3/16" allen wrench



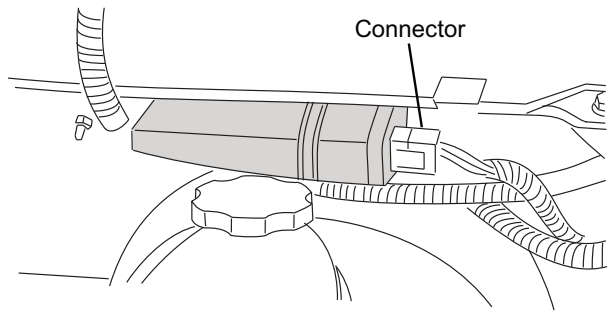
6

Torque:
10 ft-lbs. (13.5 nm)

Using the two 11" cable ties, mount controller to factory wire conduit above brake booster on drivers side of truck.



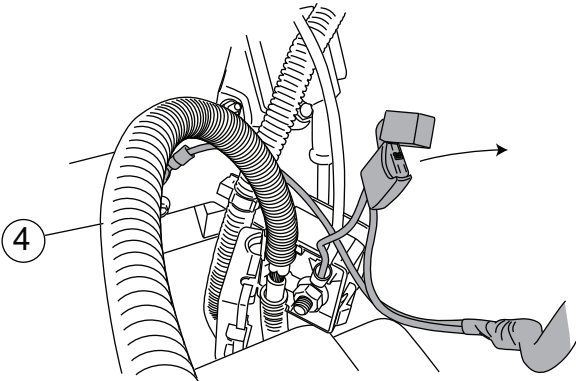
7



Note: Check to make sure all metal terminals are fully seated in connector (locked into place) before connecting. Ensure also that locking tabs on connector engage after mating the two connectors.

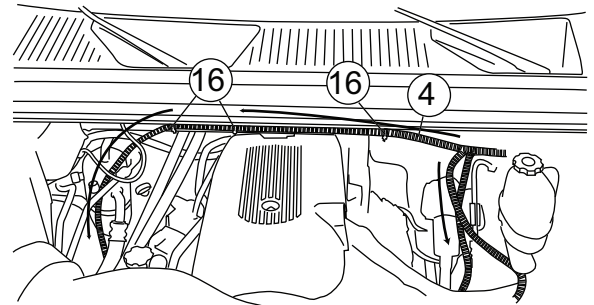
8

Remove power fuse. Attach power lead (RED) wire to positive lead in the junction Box. Attach ground lead (BLACK) to junction box mounting bracket bolt.



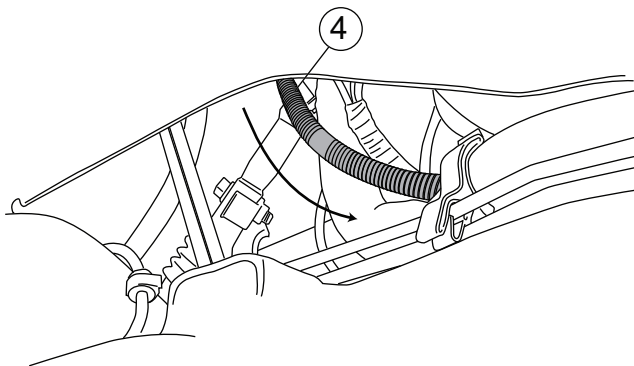
9

Route long end of wire harness across engine and down through passenger side wheel well. Route short end down driver side wheel well.



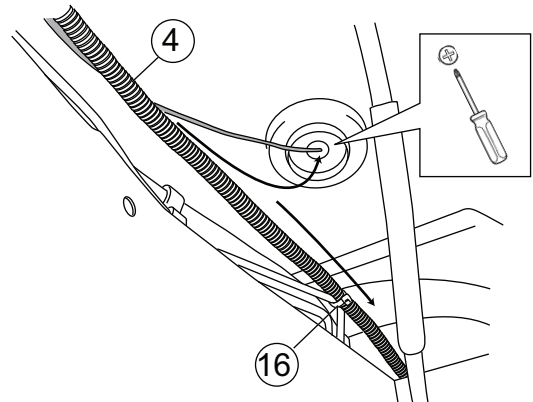
10

Route the wire harness along the frame using nylon zip ties.



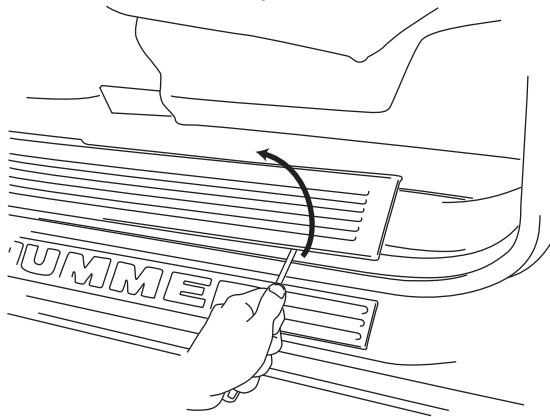
11

Poke hole through rubber grommet near front door on underside of floor panel with phillips screwdriver. Push wire through hole.



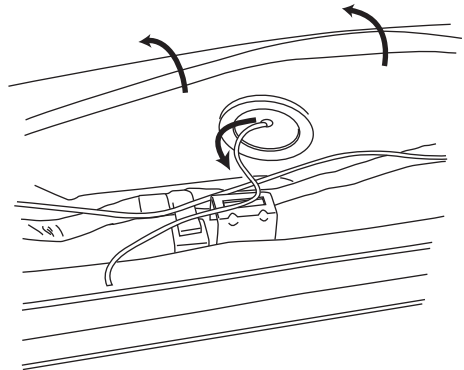
12

Pop off the threshold cover with screw driver and remove the kick panel.



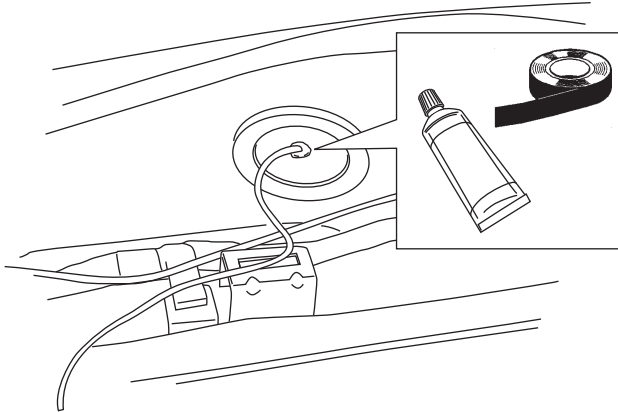
13

Pull up the carpet and thread purple wire through the floor panel (same steps on passenger side except drill through metal grommet with 9/32" bit).



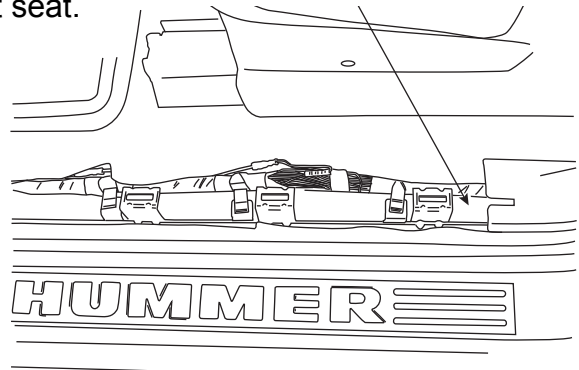
14

Seal wire and grommet with silicone sealer. Cover with tape to prevent sticking to carpet.



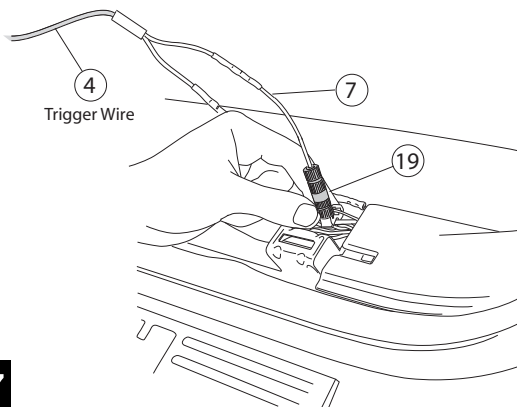
15

Carefully remove wire wrap and find rear door ajar wire (Driver side: Light Blue with Black Stripe; Passenger side: Green with Black Stripe). Note: Passenger side wire will be found rear of the "T" junction where wires cross under front seat.



16

Attach trigger wire of Step 15 to a Double Diode Harness. Using supplied Posi-Tap, splice one leg of Double Diode Harness into rear door ajar wire found in Step 16.



17

The following steps are model year specific. Verify the vehicle model year and follow only the appropriate steps.

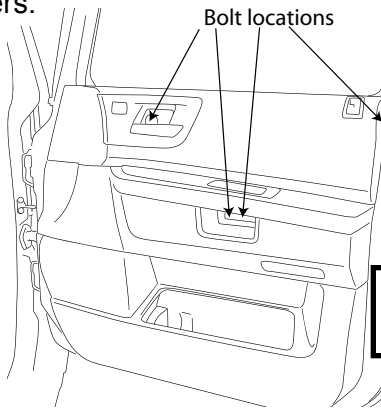
2003 - 2007 Skip to step 22

2008 see steps 19 - 21

Skip steps 22-26 & 32

18

To remove door panel, first pry back tab on door lock to remove then pry off plastic covers by handle and door latch. Remove the 3 door bolts and then remove door panel by prying loose all panel fasteners.

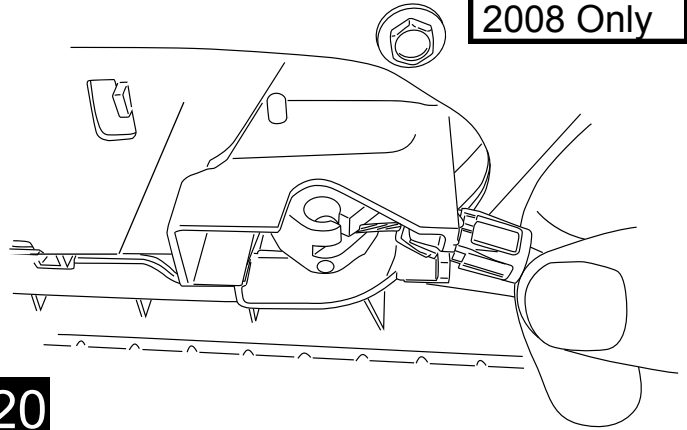


Model Year
2008 Only

19

Remove door latch cable from door panel

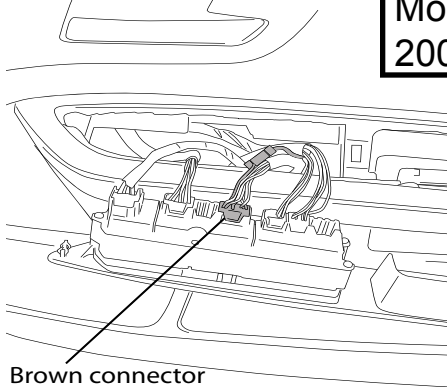
Model Year
2008 Only



20

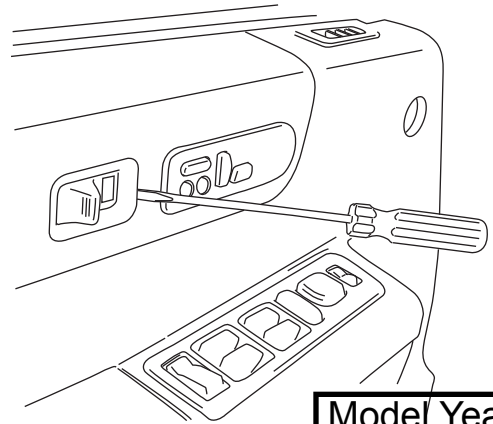
See steps 27-31 to run wires through door panel to brown connector on switch panel. Driver side: connect trigger wire to Grey/Black. Passenger side connect trigger wire to Tan/White.

Model Year
2008 Only



21

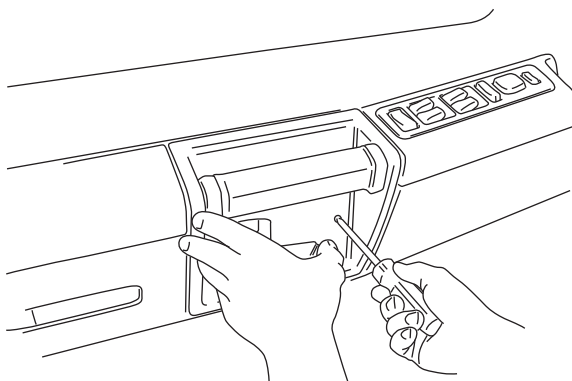
To remove door panel, first remove lock mechanism.



Model Year
2003 - 2007

22

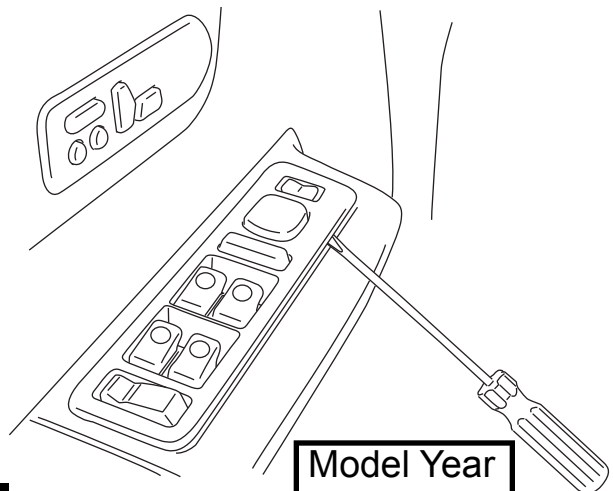
Remove door handle.



Model Year
2003 - 2007

23

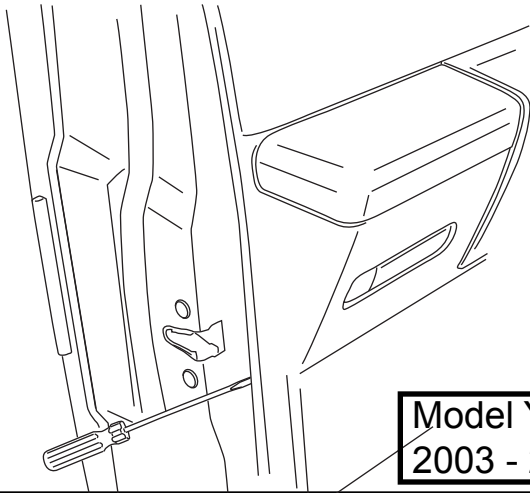
Remove switch plate and unplug.



Model Year
2003 - 2007

24

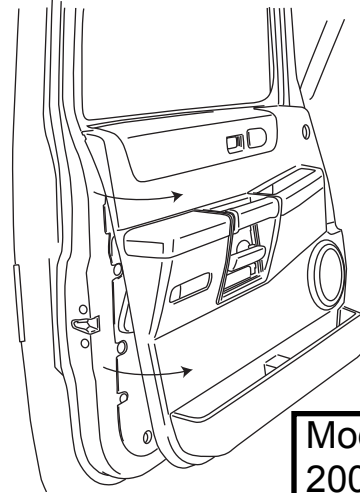
Pry loose door panel.



25

Model Year
2003 - 2007

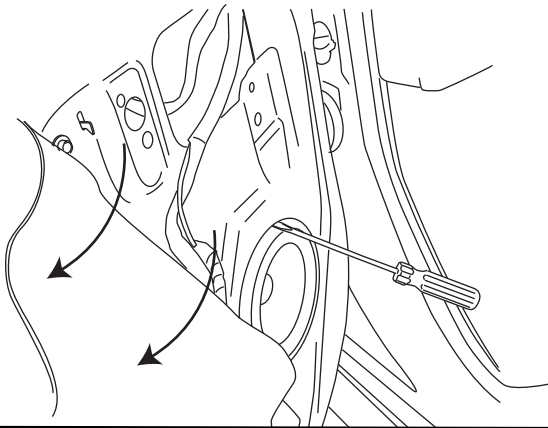
Unplug door light and remove door panel.



26

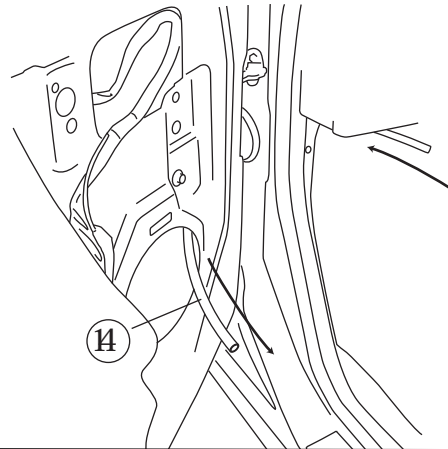
Model Year
2003 - 2007

Pull back the door weather guard.
Pry off speaker and unplug.



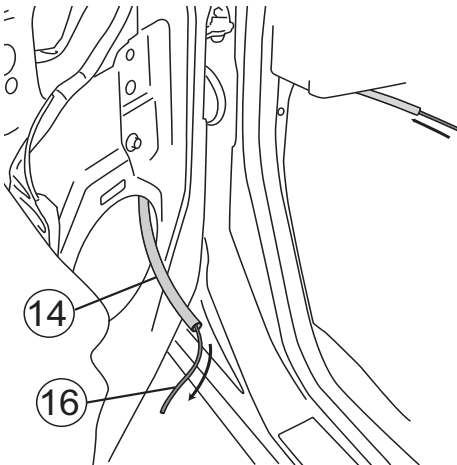
27

Thread plastic tube through accordion.



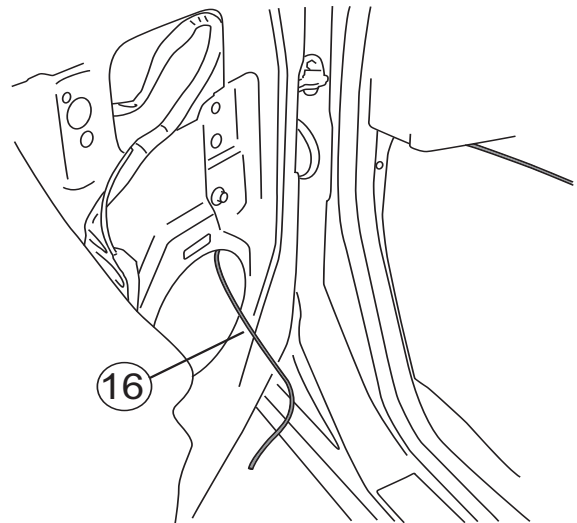
28

Feed plastic tubing through door wiring and into door. Thread supplied connecting wire through tubing.



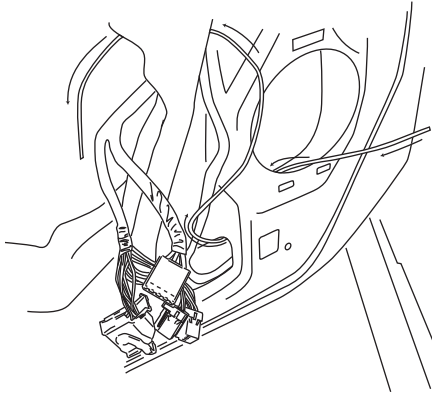
29

Remove plastic tubing, leaving connecting wire in place.



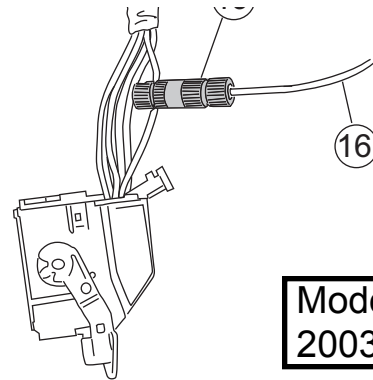
30

Route wire along harness going to switch plate.



31

Using supplied Posi-Taps™, splice into front door ajar wire (Driver side: Grey with black stripe; Passenger side: Black with white stripe).



Model Year
2003 - 2007

32

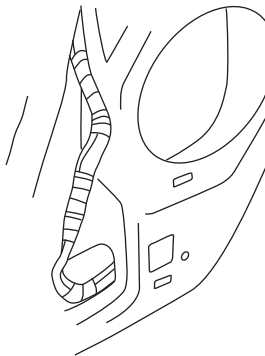
Secure wire harness with black tape.

Caution: Unsecure wire may interfere with window operation.

Push weather guard back into place.

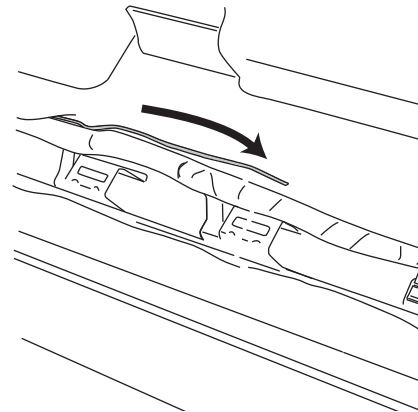
Reconnect speaker wire and replace speaker.

Reinstall door panel.



33

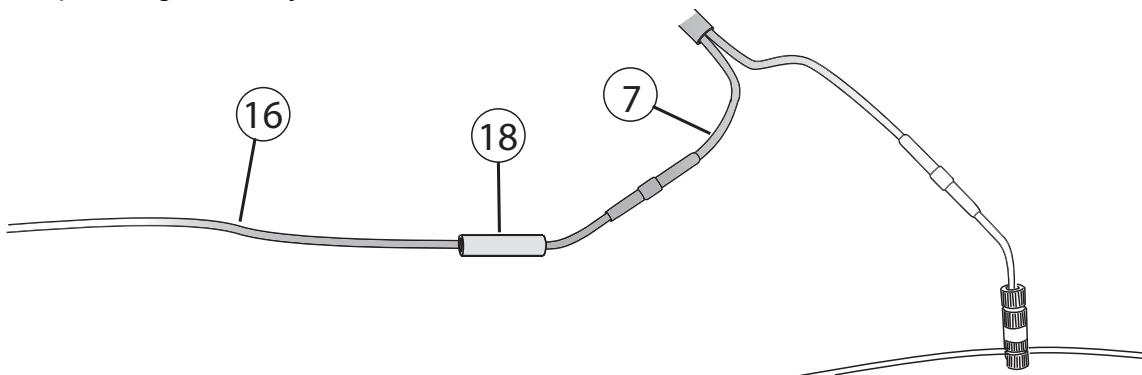
Route connecting wire back along factory wire bundle under sill plate toward the double diode harness that was installed in Step 17.



34

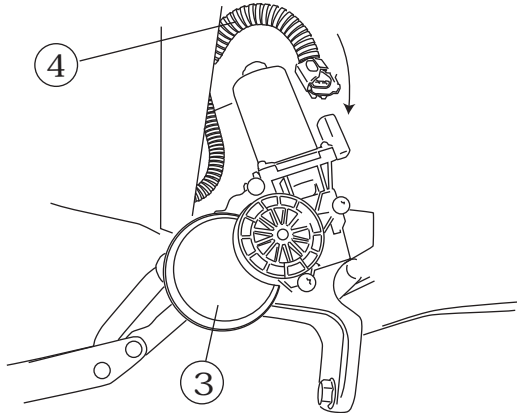
Using supplied red butt connector, attach connecting wire to the remaining open leg of double diode harness. Secure all loose wires with tie wraps and/or electrical tape.

Recommendation: Wait to close up sill and door panel until you verify that the Power Step is wired and operating correctly.



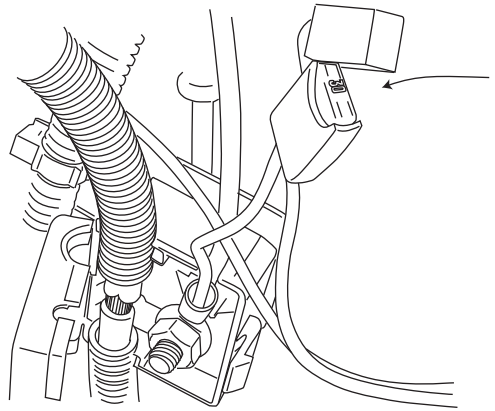
35

Plug wire harness into motor.



35

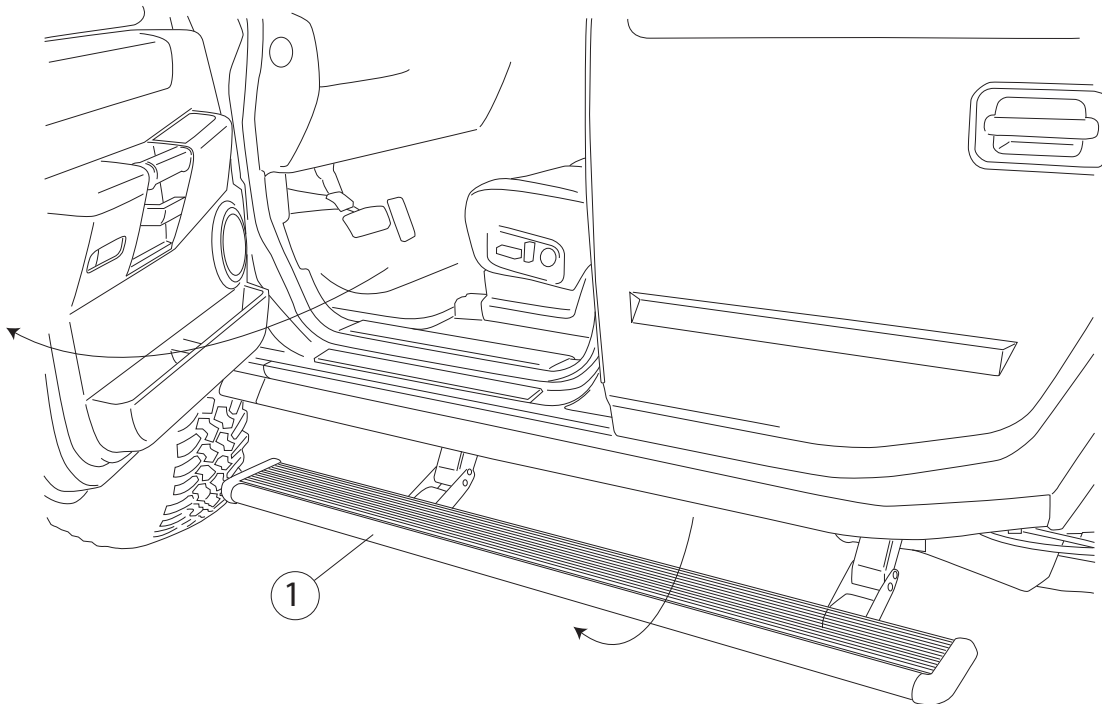
Replace power fuse.



36

Open doors to test (front & rear).

*if the running board is misaligned, please follow instructions supplied in the shim kit.



37

Congratulations on the purchase of your AMP Research Power Step



Here's what you should know...

OPERATION

The AMP Research Power Step automatically deploys when at least one door opens and automatically retracts under your vehicle when both front and rear doors close. If resistance or blockage is encountered while the Power Step is in motion, the drive system is designed to automatically stop. To reset, simply open or close the vehicle door and the Power Step will resume normal operation.

MAINTENANCE TIPS

The stepping surface and drive mechanism can be wash with mild soap and water using a soft brush or sponge to dislodge any mud, dirt or accumulated road grime. Rinse with fresh water.

To prevent slipping, avoid applying waxes, lubricants or protectants like Armor All® to the step surface.

When washing your vehicle, the Power Steps can be set to remain deployed with the doors closed for easy cleaning. Do this...

- 1** With the Power Step deployed, press and hold the board down with your foot.
- 2** Close the door while continuing to press down the board. (This will not harm motor.)
- 3** To reset the Power Step, simply open and close the door. (Repeat for both sides of vehicle.)

CAUTION! BE SURE TO KEEP HANDS AWAY WHEN THE POWER STEP IS IN MOTION.

amp-research.com

LIMITED WARRANTY

AMP RESEARCH warrants product to be free from defects in material and workmanship, for terms specified below, provided there has been normal use and proper maintenance. All remedies under this warranty are limited to the repair or replacement of any item 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: 5-YEARS 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 that vary from state to state.

WARNING

Be sure to read and precisely follow the provided instructions when installing this product. Failure to do so could place the vehicle occupants in a potentially dangerous situation. After installing or reinstalling, re-check to insure that the product is