

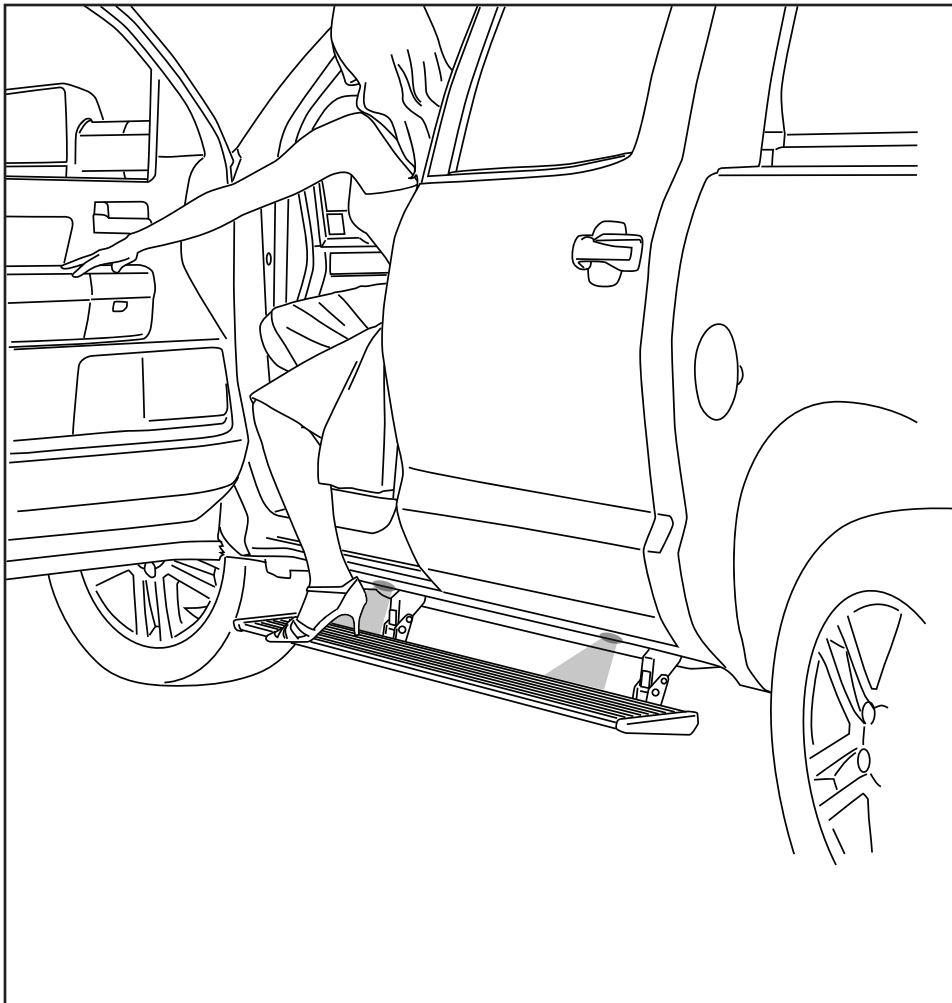
INSTALLATION GUIDE

AMP RESEARCH Power Step

MADE IN USA

APPLICATION	MODEL YR	PART #
Toyota Tundra Double Cab *	2007 - 2016	76137-01A
Toyota Tundra CrewMax	2007 - 2016	76137-01A
Toyota Sequoia *	2008 - 2016	76137-01A

*Modification required to [running board](#) assembly. See Item 1 on page 2.



INSTALLATION TIME

3-5 Hours

Professional installation recommended

SKILL LEVEL



4= Experienced

TOOLS REQUIRED

- Measuring tape
- 13 mm socket
- 10 mm socket
- Ratchet wrench and extension
- 13mm end wrench
- Wire stripper / cutter
- 3/16" hex key wrench (allen wrench)
- 5mm hex key wrench (allen wrench)
- 4mm hex key wrench (allen wrench)
- Electrical tape

WARRANTY

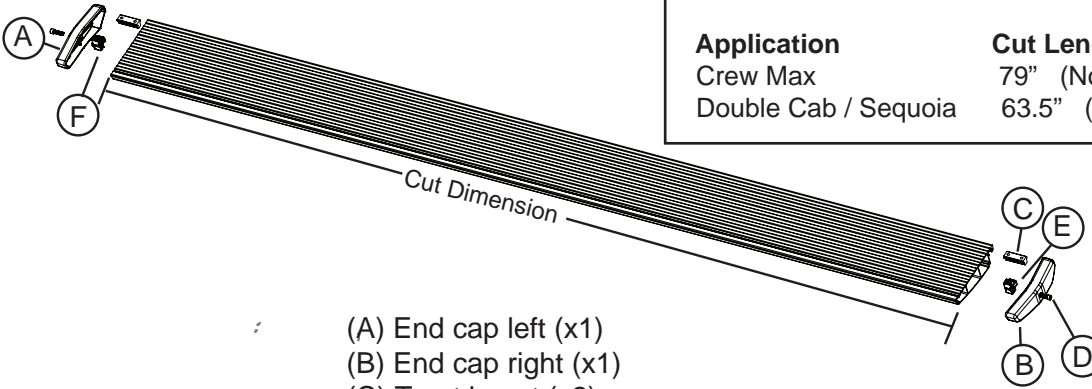
5-Year Limited Warranty

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AMP RESEARCH POWERSTEP™ – TOYOTA TUNDRA / SEQUOIA

Note: Some Applications require modification.

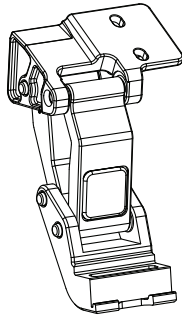
Application	Cut Length
Crew Max	79" (No Modification Required)
Double Cab / Sequoia	63.5" (Trim 15.5")



- (A) End cap left (x1)
- (B) End cap right (x1)
- (C) T-nut insert (x2)
- (D) Socket cap screw (x2)
- (E) End cap wedge right (x1)
- (F) End cap wedge left (x1)

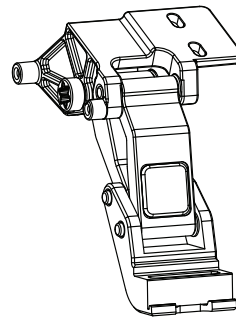
1 x2

Running board assembly



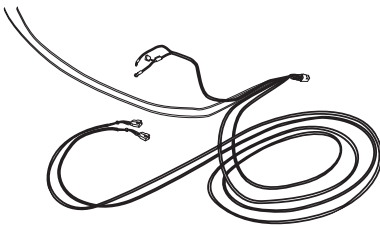
2 x2

Idler linkage assembly



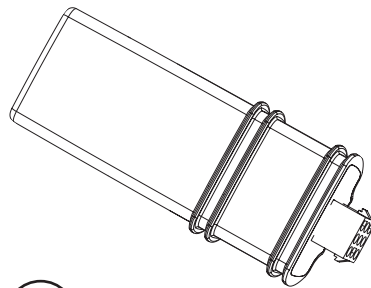
3 x2

Motor linkage assembly



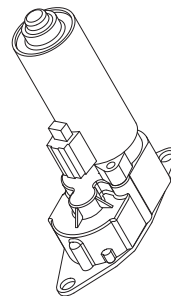
4

Wire harness



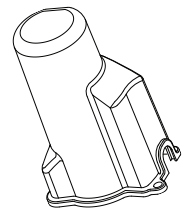
5

Controller



6 x2

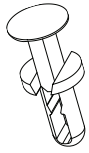
Motor



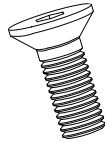
7 x2

Motor Cover

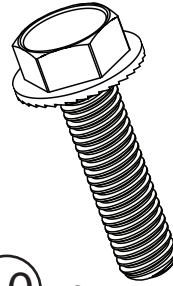
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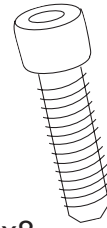
8 x6
Cinch Fastener



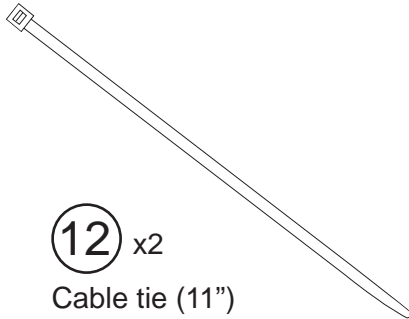
9 x4
Socket Cap Screw



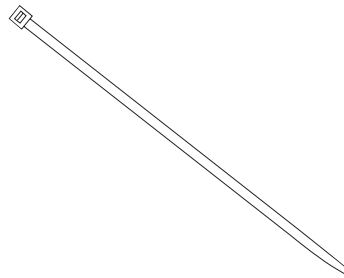
10 x8
Hex Flange Bolt



11 x8
Socket Cap Screw



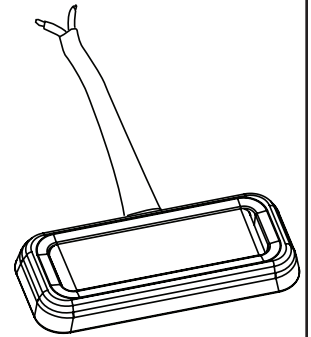
12 x2
Cable tie (11")



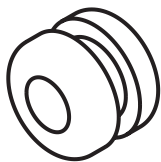
13 x20
Cable tie (7")



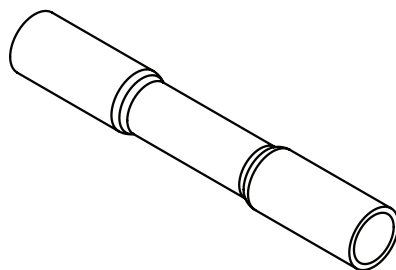
14 x2
Posi-Lock™



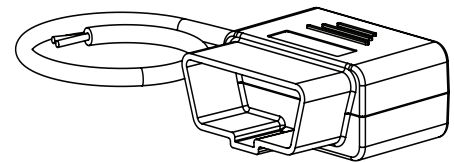
15 x4
LED Lamp



16 x4
Grommet



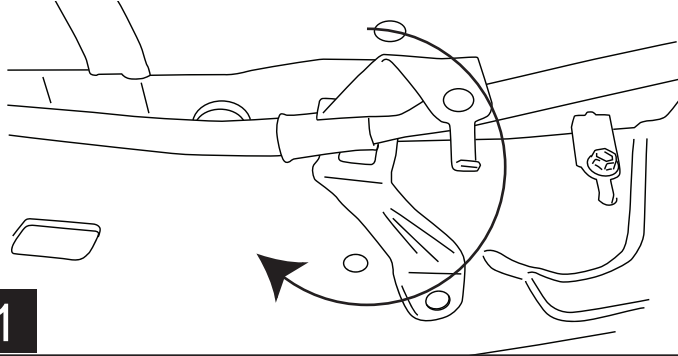
17 x8
Butt Connector



18
OBD II Plug

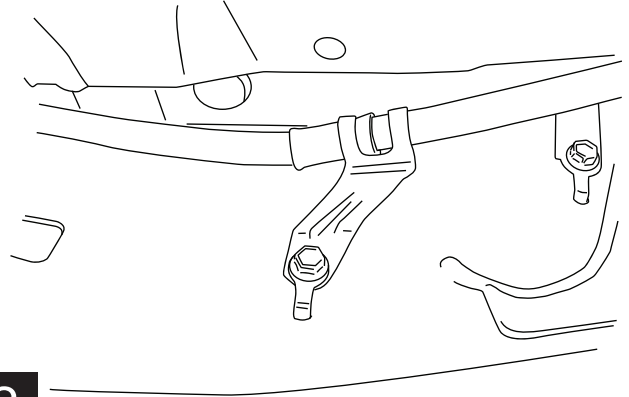
**STEP 1 & 2 for CREW MAX ONLY.
All others skip to step 3**

Remove parking brake cable support from frame. Separate bracket and remove bracket from brake cable. Flip bracket 180 degrees to cable.



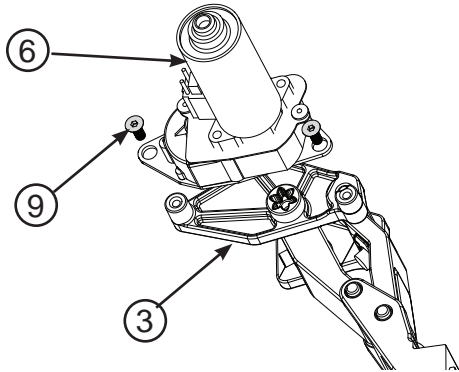
1

Secure parking brake cable support to frame so that the bolt is now below the cable.



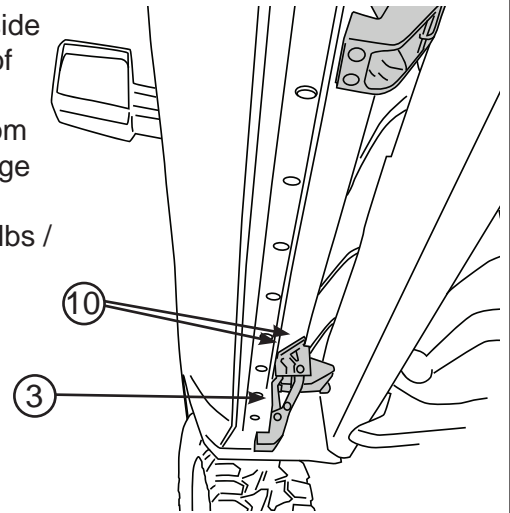
2

Slide motor assembly onto drive shaft and mounting bosses of driving linkage assembly. Use socket head cap screws (9) and tighten to 8 ft-lbs / 11Nm.



3

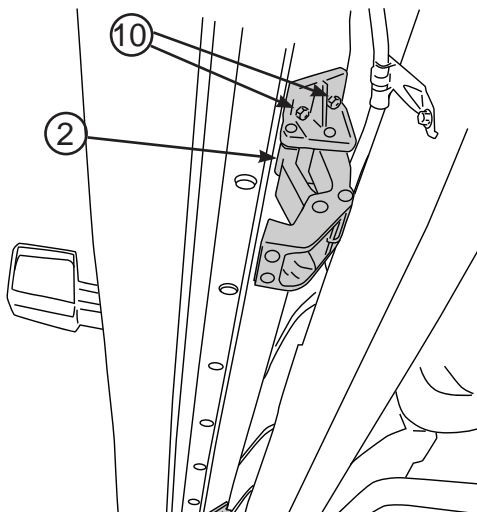
Install motor linkage on driver side in second set of factory running board holes from front. Use flange bolts (10) and torque to 22 ft-lbs / 30Nm.



4

Repeat linkage installation on passenger side.

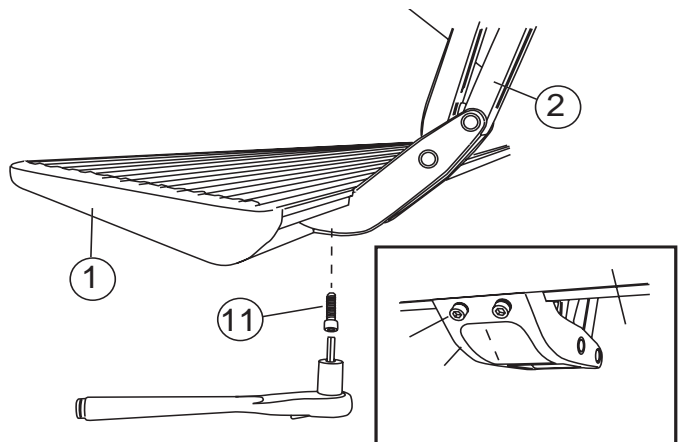
Install idler linkage in last set of factory running board holes from rear. Use flange bolts (10) and torque to 22 ft-lbs / 30Nm.



5

Repeat linkage installation on passenger side.

Install running board. See step 7 for alignment.



6

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Running board alignment.

Tundra:

Slide mounting T-nut into position. Align rear of running board with back edge of rear door.

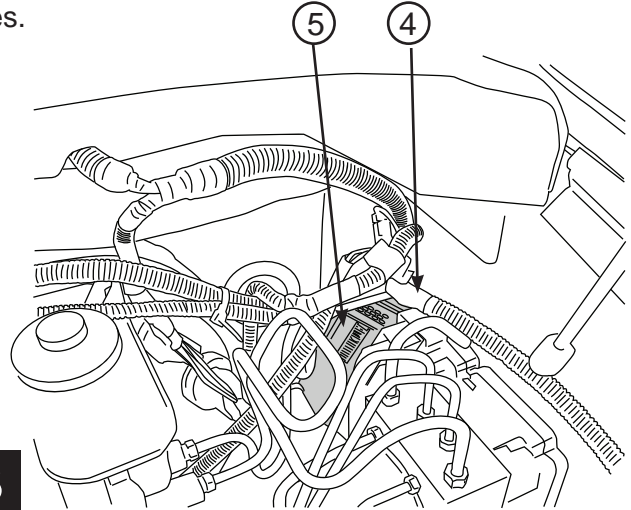
Sequoia:

Slide mounting T-nut into position. Align rear of running board to the back edge of the cab.

Mount running board and tighten fasteners to 10 ft-lbs / 14Nm. Insure linkages are squared to body prior to torquing fasteners.

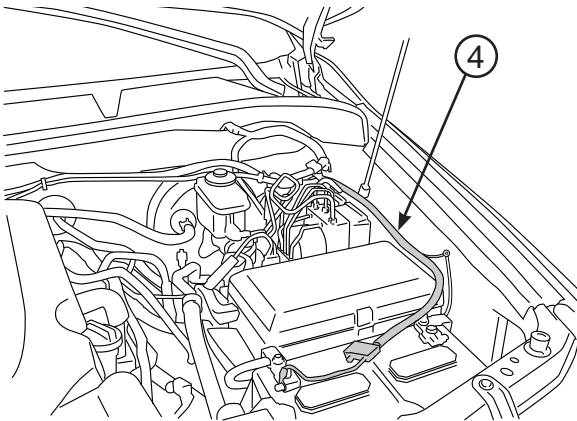
7

Install controller under hood on driver side fender apron. Secure to factory wiring loom with 11" cable ties.



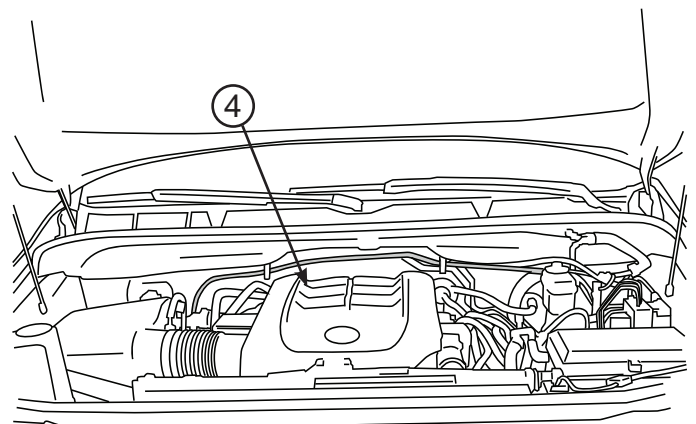
8

Remove power fuse. Connect wire harness to controller and secure locking clip. Connect red power lead to positive battery terminal and black ground lead to grounding lug on fender apron.



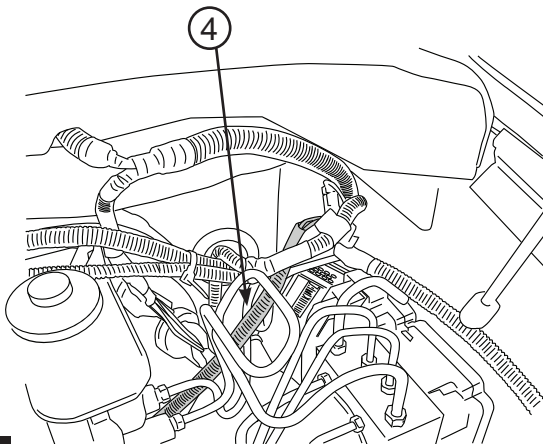
9

Route longest leg of wire harness across fire wall to passenger side and under vehicle outside of frame rail.



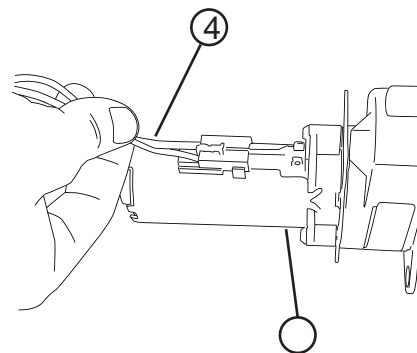
10

Route shorter leg of wire harness down driver side fender well and under vehicle outside of frame rail.



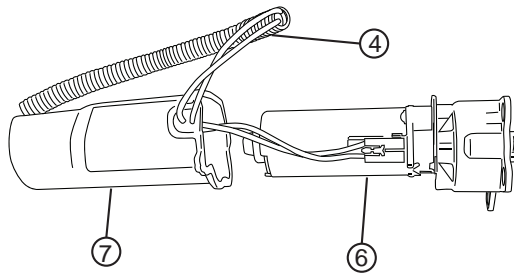
11

Insert plug from wire harness onto motor.

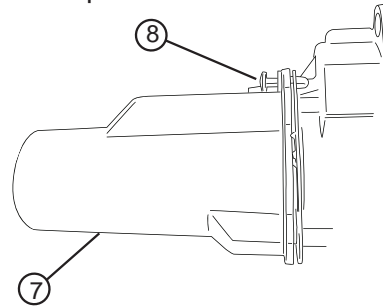


12

Slide rubber grommet on wire harness into slot of motor cover. Install motor cover onto motor.



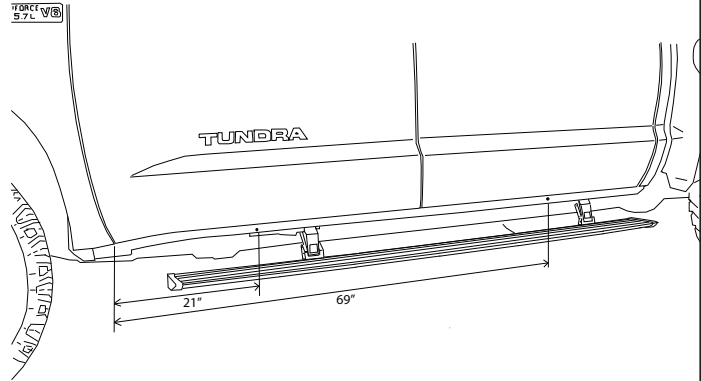
Partially separate the plastic rivet from the pin by bending the pin back and forth. Slide motor cover over motor and insert plastic push pin rivets in mounting holes of motor cover. Drive pin flush with rivet head. Use pliers to ease installation.



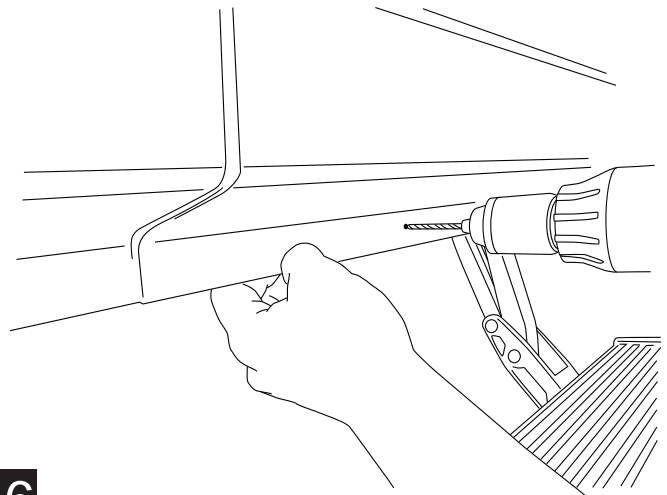
13

14

On each side of the vehicle measure from the front edge of door line on the pinch weld to the specified lengths below. Measure at 21" for front LED Light and 69" for rear LED Light.



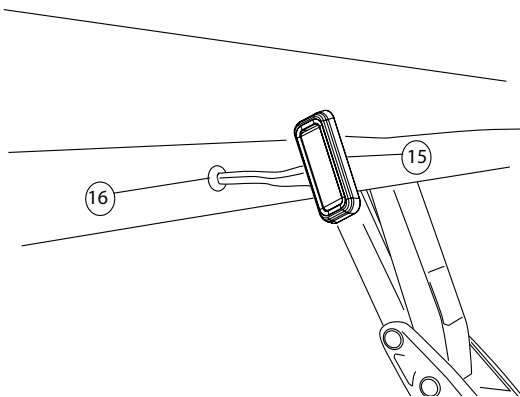
Drill a 9/32" hole through the pinch weld at marked locations. Deburr all holes.



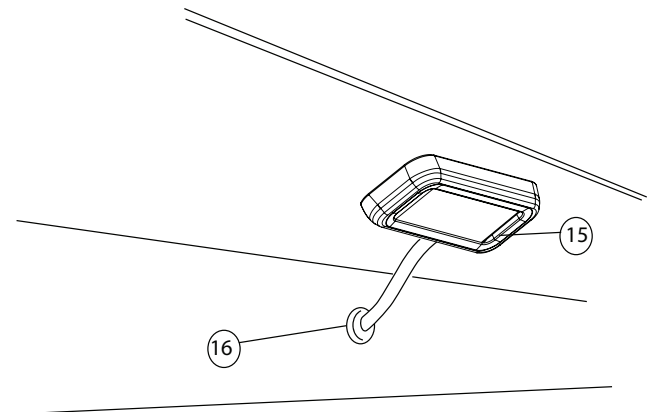
15

16

Insert grommet into drilled holes. Insert lamp wires through the grommets. (Silicon lube will help wires slip through grommets.)



Affix lamp through rocker panel surface. Make sure lamp is affixed to a flat, clean surface.

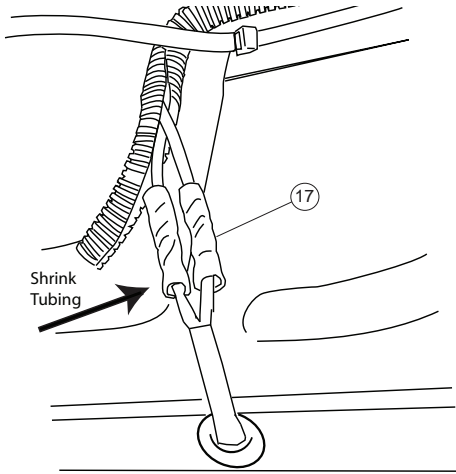


17

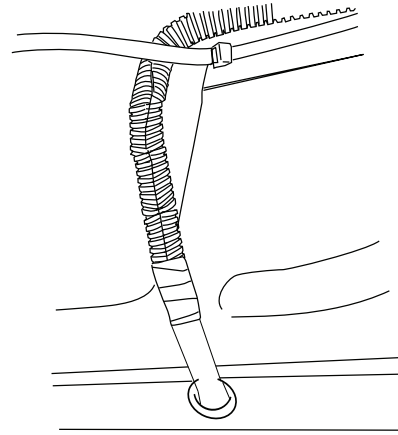
18

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Using supplied butt connectors, connect the lamp wires. Red to Red, Black to Black. Once Crimped use heat gun to shrink tube.



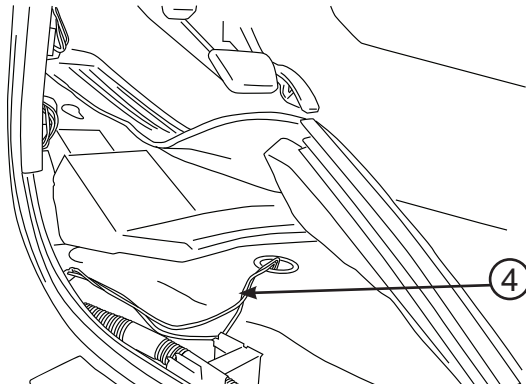
Close and wrap with conduit and electrical tape. Secure all loose wires with cable ties, with lamp wires pulled upward to avoid any wire snagging.



19

20

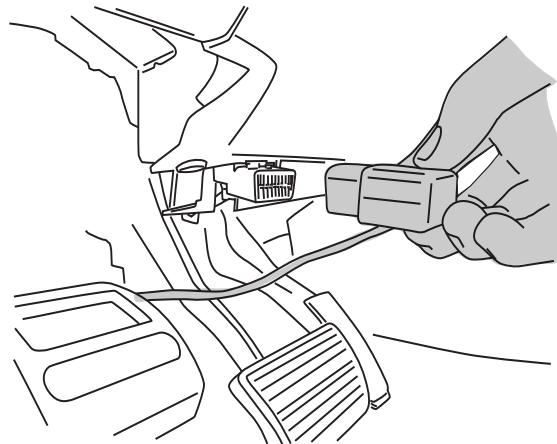
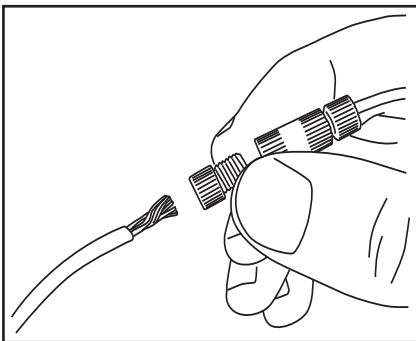
Remove driver front sill plate and kick panel. Pull up carpet. Locate rubber grommet under carpet in forward floorboard. Cut a slit in the rubber grommet and pass the trigger wires up through grommet under carpet on driver and side.



21

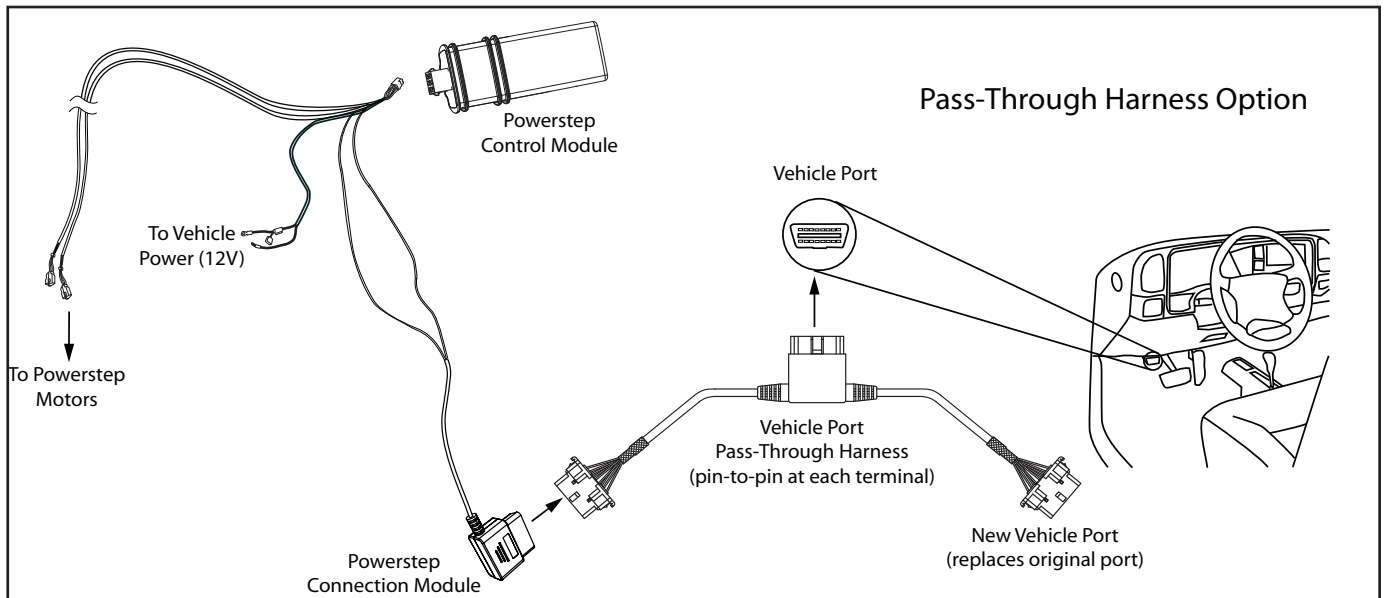
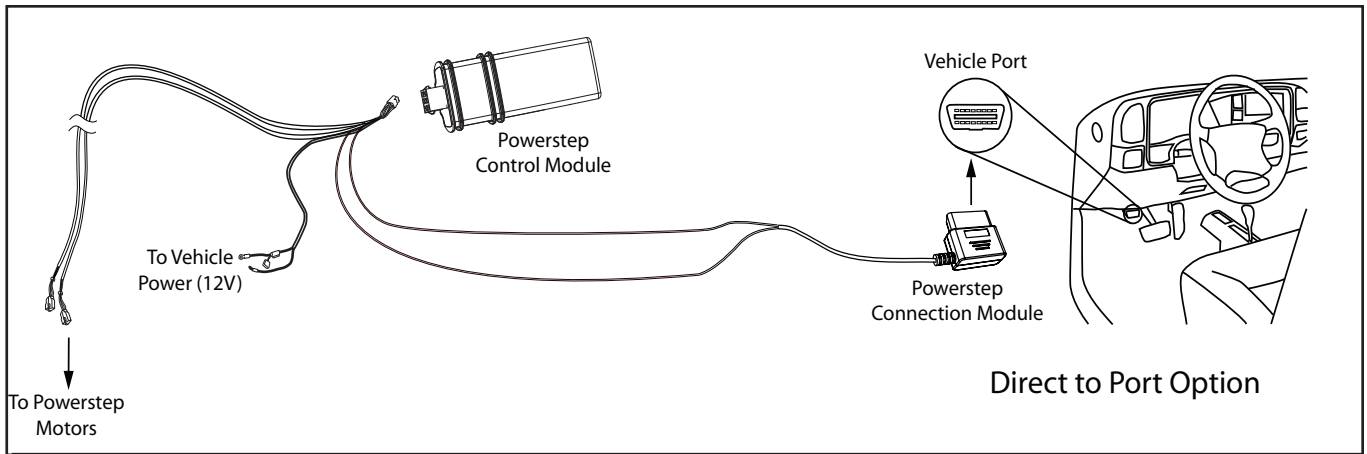
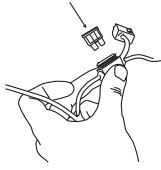
OBD II install: Use Supplied Posi Twist connectors to attach the Plug and Play Module to the Harness. Attach matching colors on the harness to the wires on the module. Plug in module to OBD II port on the vehicle. Secure harness with supplied tie wraps.

Note: If the OBD II pass thru harness (76404-01A) was purchased see install sheet supplied in packaging. The pass through harness allows for an open port for other accessories. See next page for a brief description.

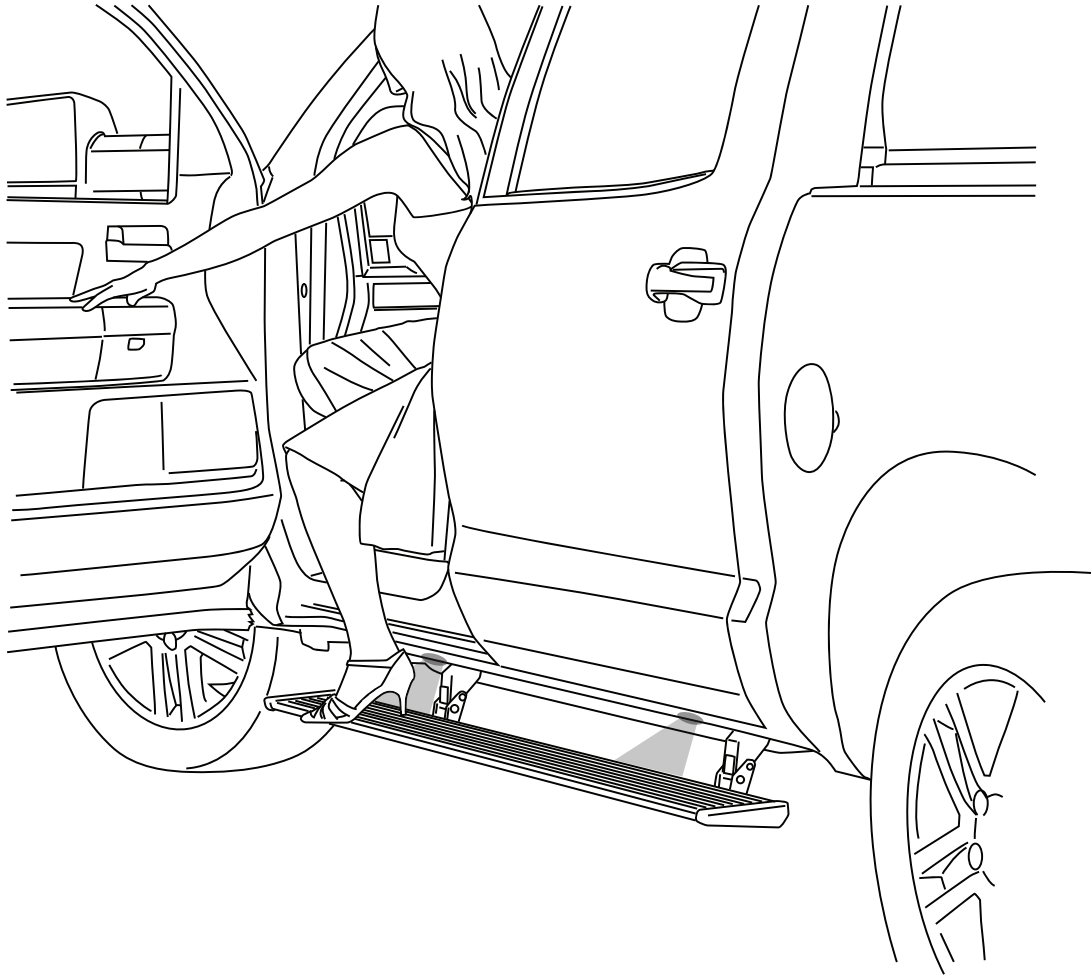


22

Once OBD II Plug is installed reinstall fuse.



Check that all doors activate the Power Step and the LED Lights work when doors open and close. Reinstall any remaining trim panels.



FINAL SYSTEM CHECK

Check that all doors activate the PowerStep and the LED lights work when doors open and close.

NORMAL OPERATION: When the doors open, PowerStep automatically deploys from under the vehicle. When the doors are closed, PowerStep will automatically return to the stowed/retracted position. ***Note that there is a 2-second delay before the PowerStep returns to the stowed/retracted position.***

CORRECT OPERATION OF LIGHTS: All four lamps will illuminate upon opening any door of vehicle. Lamps will stay on until restowing of both Power Steps or until 5 minutes has expired with the doors open. When the lights timeout after 5 minutes, they can be reilluminated by closing and opening any door of vehicle.