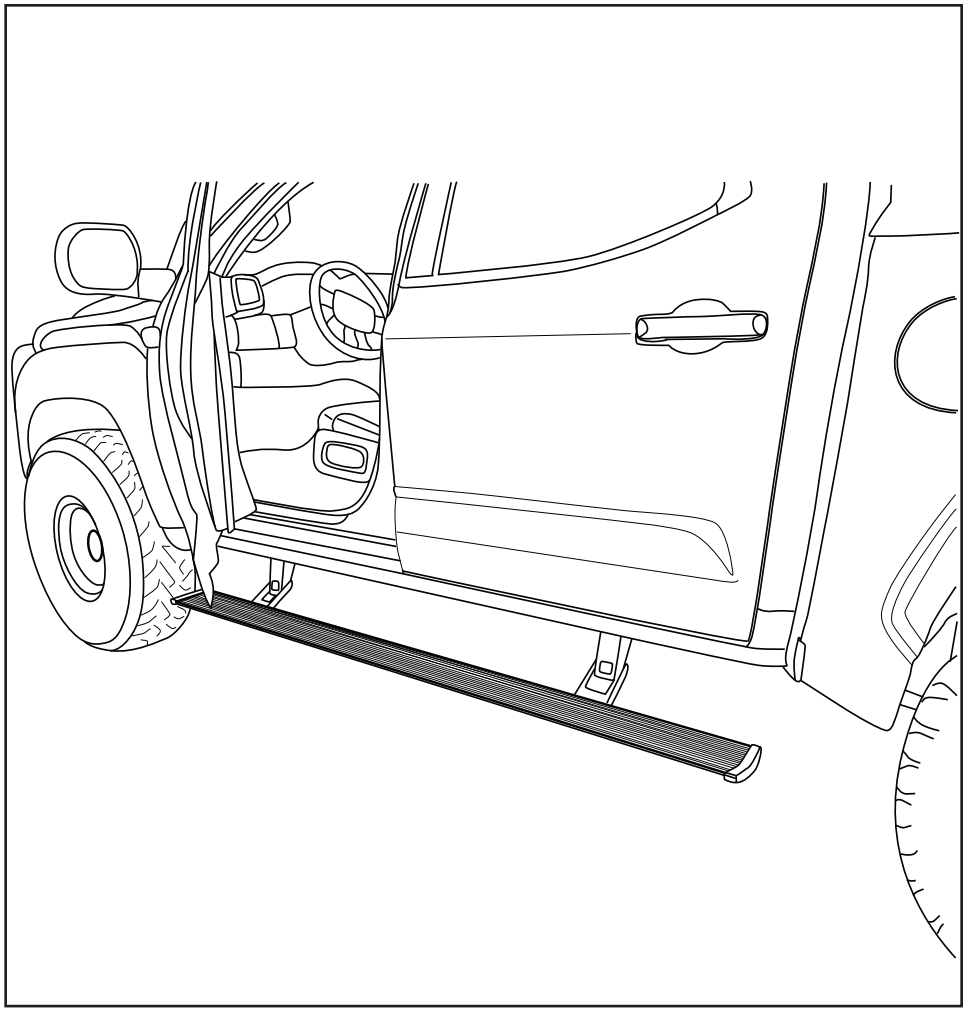
REALTRUCK AMP RESEARCH

Power Step

APPLICATION	MODEL YR	PART #
Toyota Tundra CrewMax	2022-2026	76338-01A
Toyota Tundra DoubleCab	2022-2026	76338-01A
Toyota Tundra Hybrid	2022-2026	76338-01A

INSTALLATION GUIDE



INSTALLATION TIME

3-5 Hours

Professional installation recommended

SKILL LEVEL

1 2 3 4

4= Experienced

TOOLS REQUIRED

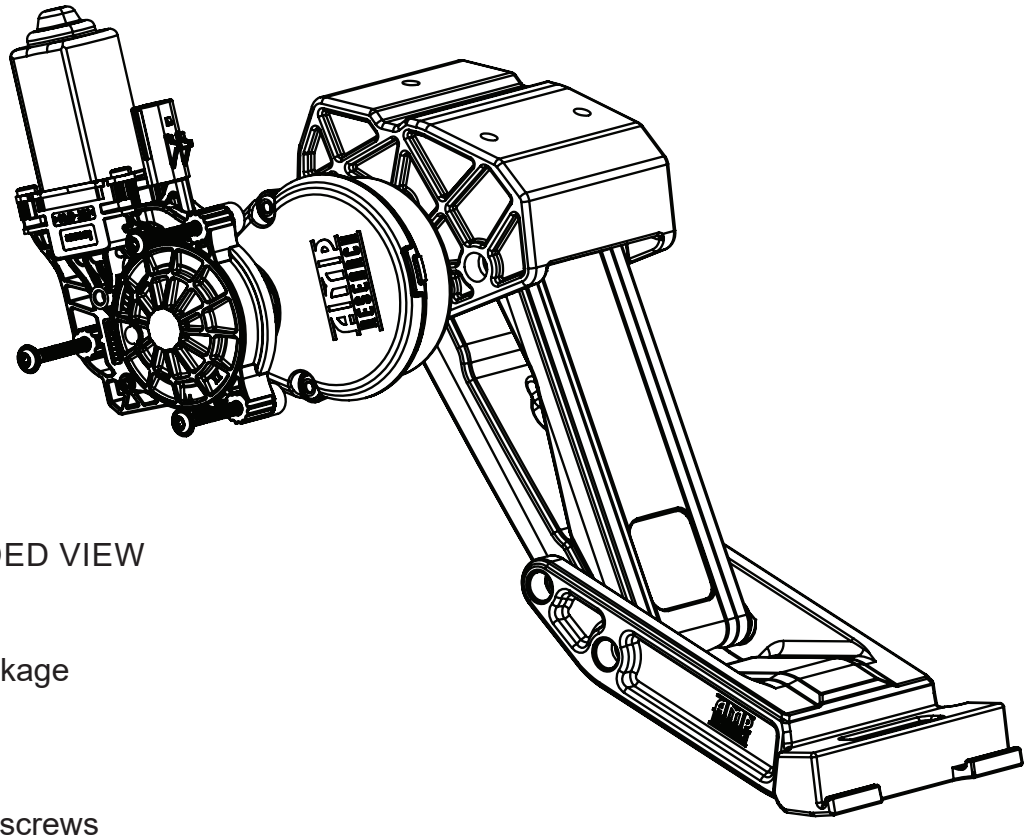
- ❑ Measuring tape
- ❑ 13 mm socket
- ❑ 10 mm socket
- ❑ Ratchet wrench and extension
- ❑ 13mm end wrench
- ❑ Wire stripper / cutter
- ❑ 3/16” hex key wrench (allen wrench)
- ❑ 5mm hex key wrench (allen wrench)
- ❑ 4mm hex key wrench (allen wrench)
- ❑ Electrical tape
- ❑ Heat gun

WARRANTY

5-Year Limited Warranty

REALTRUCK TECH SUPPORT 1-888-983-2204 (Press 2) Monday - Friday, 8:00 AM - 5:00 PM EST

Designed and manufactured by RealTruck AMP Research® • Made in Mexico
Patent Protected. Please see our product site for applicable patents. www.realtruck.com/b/amp-research/
© RealTruck Group, Inc., 2026 • Five-year limited warranty. • Professional installation is recommended.



EXPLODED VIEW

Motor Linkage

Motor Kit

Delta PT screws

CAUTION: HANDLE WITH CARE.

To ensure 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.

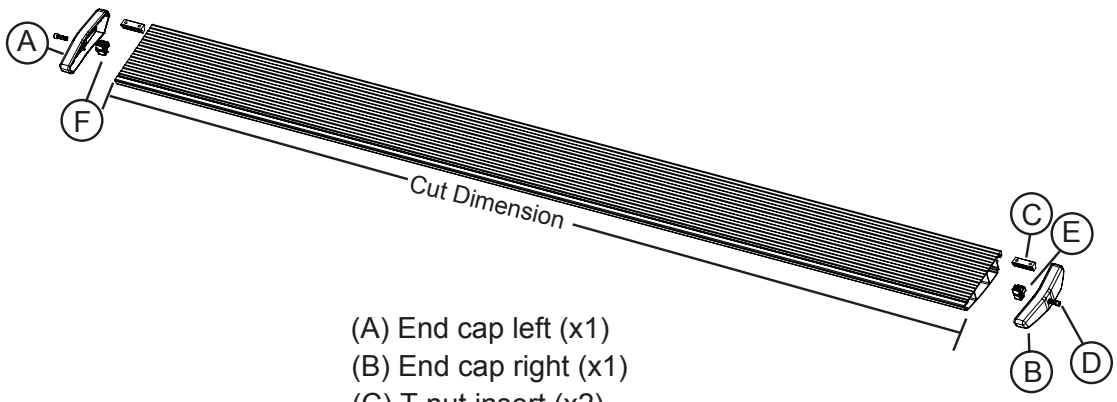
2. Seat motor into position on the three mounting bosses. This may require an adjustment of the gear by moving the swing arms.

3. After seating into place, fasten the motor with the three motor mount screws with 4mm Hex Head. Tighten screws to 36 in-lbs (4N-m). **Do not over torque.**

PARTS LIST AND HARDWARE IDENTIFICATION

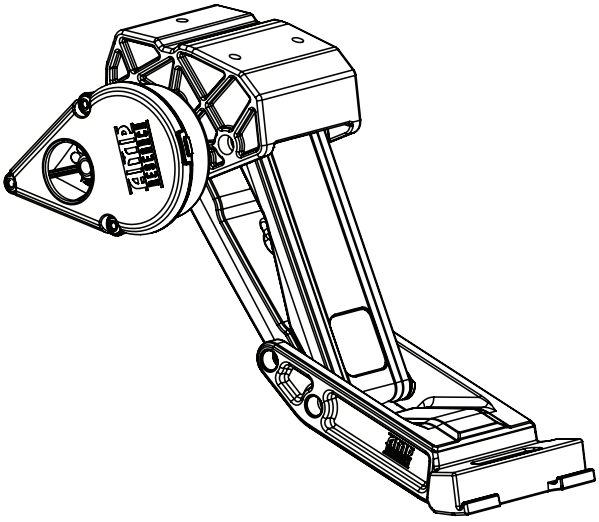
Note: Some Applications require modification.

Application	Cut Length
Crew Max	85 (No Modification Required)
Double Cab / Sequoia	70” (Trim 15”)

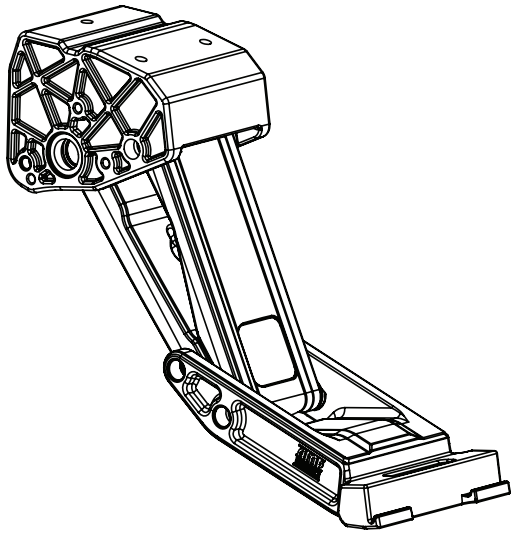


(A) End cap left (x1)
(B) End cap right (x1)
(C) T-nut insert (x2)
(D) Socket cap screw (x2)
(E) End cap wedge right (x1)
(F) End cap wedge left (x1)

1 x2
Running board assembly

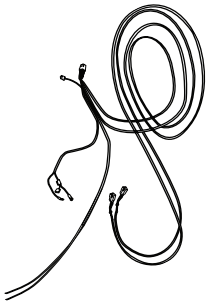


2 x2
Motor linkage assembly

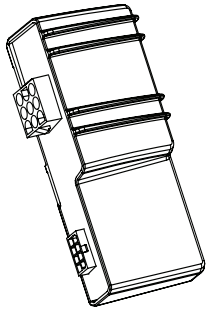


3 x2
Idler linkage assembly

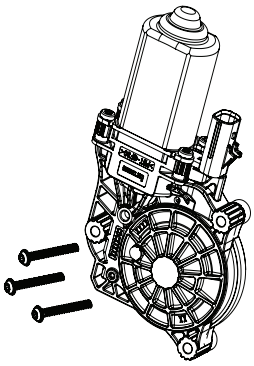
PARTS LIST AND HARDWARE IDENTIFICATION



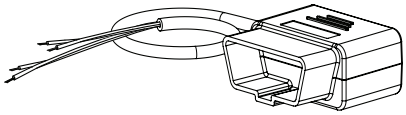
4 Wire harness



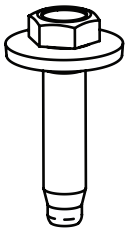
5 Controller STA



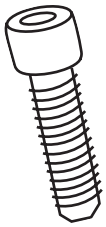
6 x2 Motor Kit



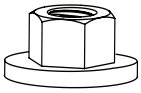
7 OBD II Plug



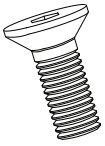
8 x26 M8 Hex Bolt w Conical washer



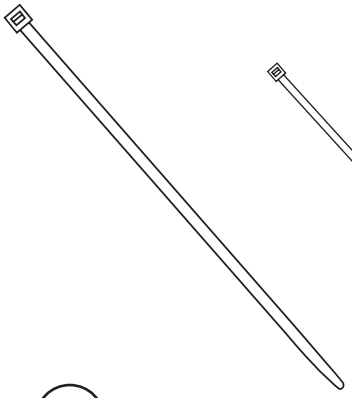
9 x8 Socket Cap Screw



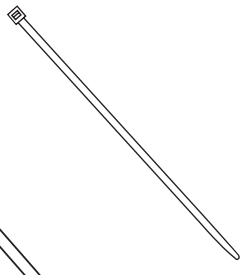
10 2 Nut with Conical Washer



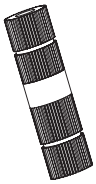
11 2 Flat Head Torx



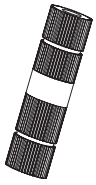
12 x2 Cable tie (11”)



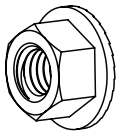
13 x20 Cable tie (7”)



14 x2 Posi-Lock™ (Grey)

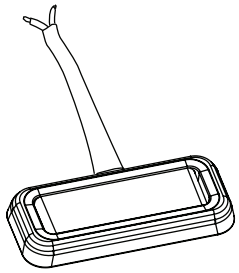


15 x2 Posi-Tap™ (Red/Grey)

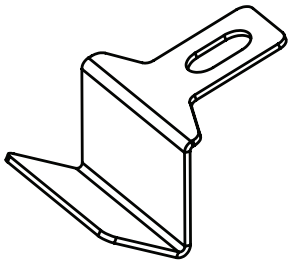


16 x2 1/4-20 Flange Nut

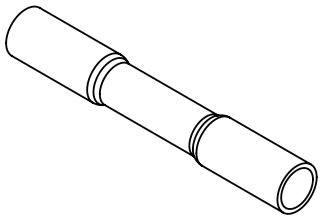
PARTS LIST AND HARDWARE IDENTIFICATION



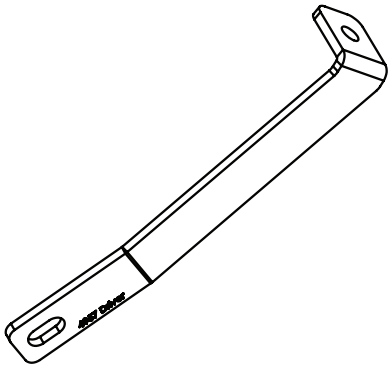
17 x4
LED Lamp



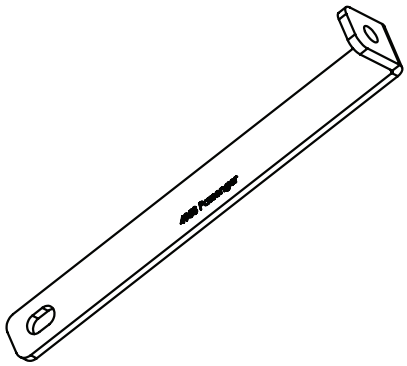
18 x4
LED Light Bracket



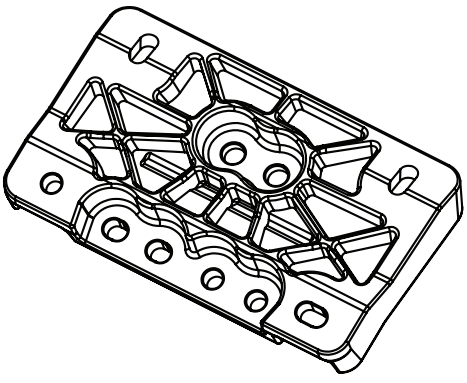
19 x8
Butt Connector



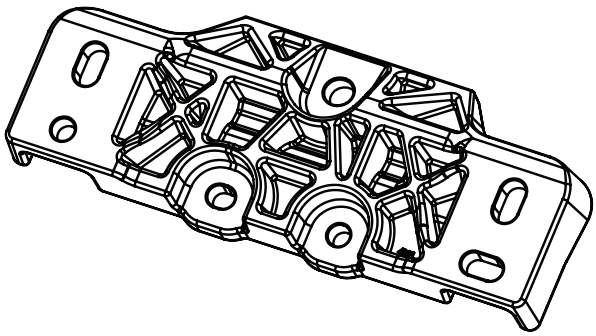
20
Rear Linkage support
Bracket (Driver)



21
Rear Linkage Support
Bracket (Passenger)



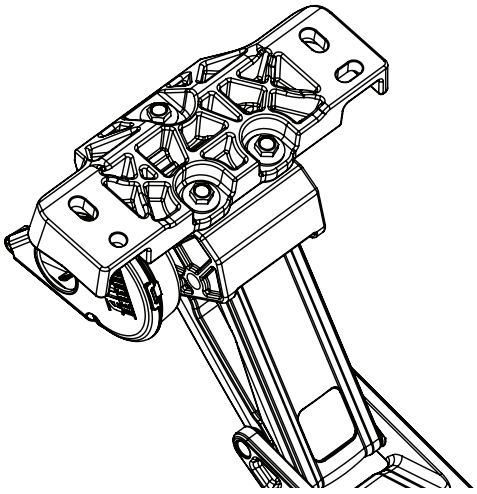
22 x2
Front Linkage mounting
bracket



23 x2
Rear Linkage mounting
bracket

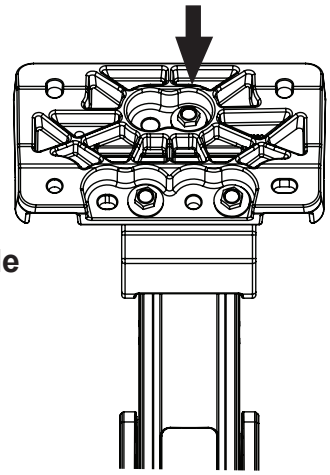
Attach Body mount plate (23) to rear drive linkage (2) using 3 supplied conical washer bolts (8). **Torque bolts to 16 ft-lbs.**

Repeat for passenger side.

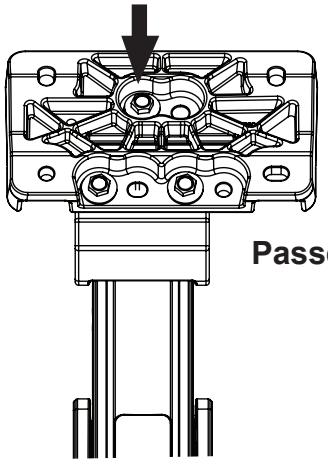


1

Attach Front Body mount plates (22) to front idler linkage (3) using 3 supplied conical washer bolts(8). **Torque bolts to 16 ft-lbs.**
Note: Driver and Passenger side offset. The offset allows the linkage to clear frame when steps are stowed.



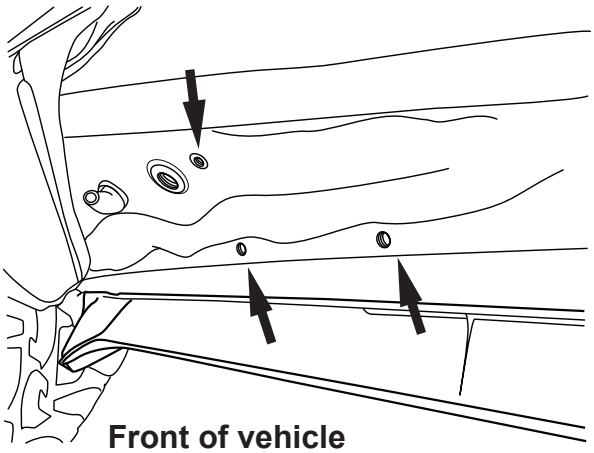
Driver Side



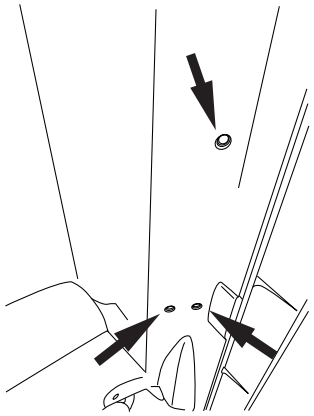
Passenger Side

2

Locate 3 mounting points at front and rear of vehicle. If factory screws are in place, use 12mm socket and remove screws.



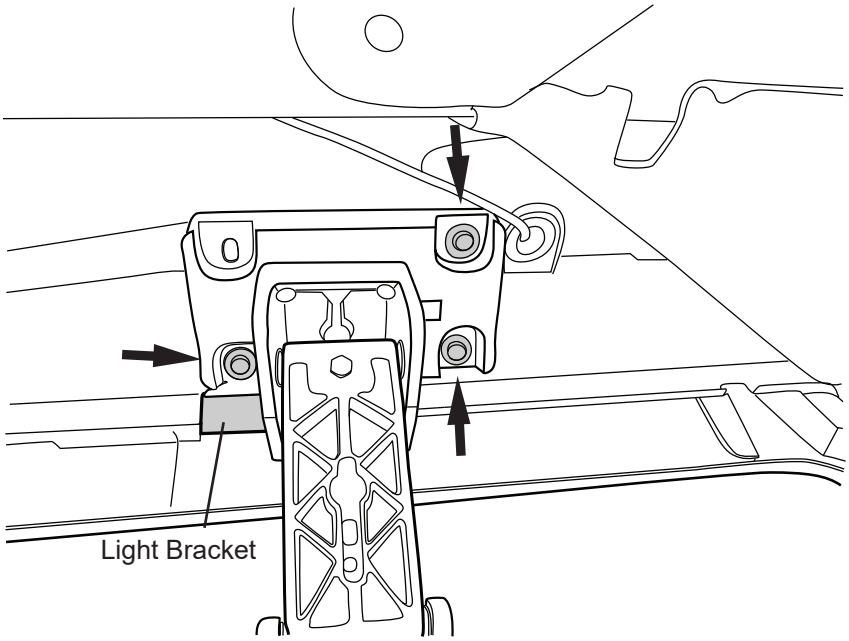
Front of vehicle



Rear of vehicle

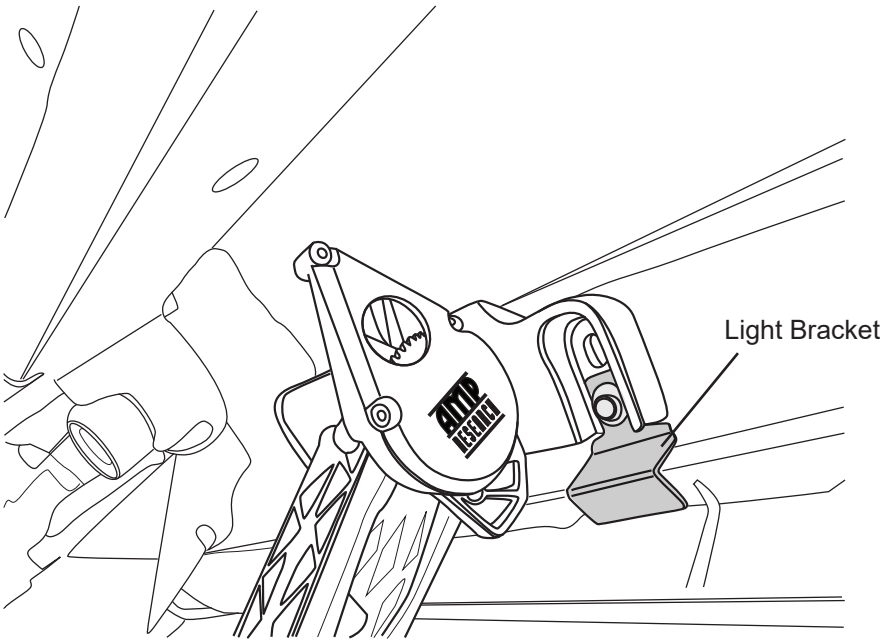
3

Attach front Idler linkage assembly (double check offset noted in step 2). On rear most bolt install light bracket (18) as shown. Use 3 supplied conical washer bolts (8) to attach linkage assembly to body of truck. **Torque bolts to 16 ft-lbs.**



4

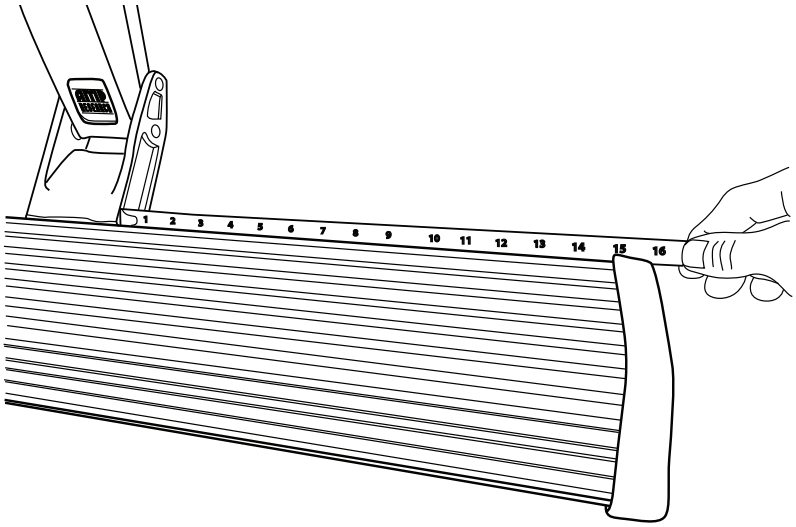
Attach rear drive linkage (2) assembly as shown. On forward most bolt install light bracket (18) as shown. Use 3 supplied conical washer bolts (8) to attach linkage assembly to body of truck. Snug bolts into position. **Torque bolts to 16 ft-lbs.**



5

Slide mounting T-nut into position. Place the board (1) about 16” from the back edge of the lower mount to the rear endcap. Tighten all fasteners (9) to 10ft-lbs.

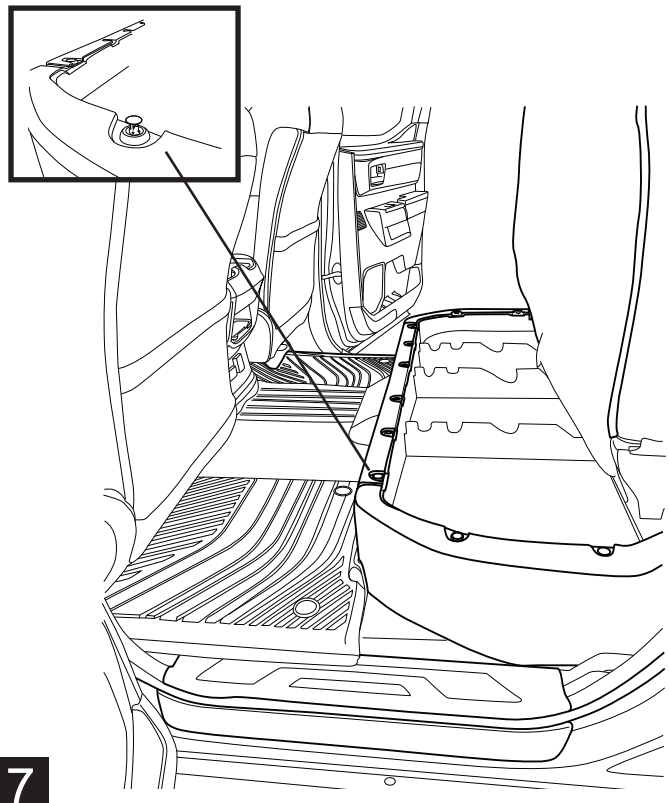
Repeat steps 3-6 on passenger side of vehicle.

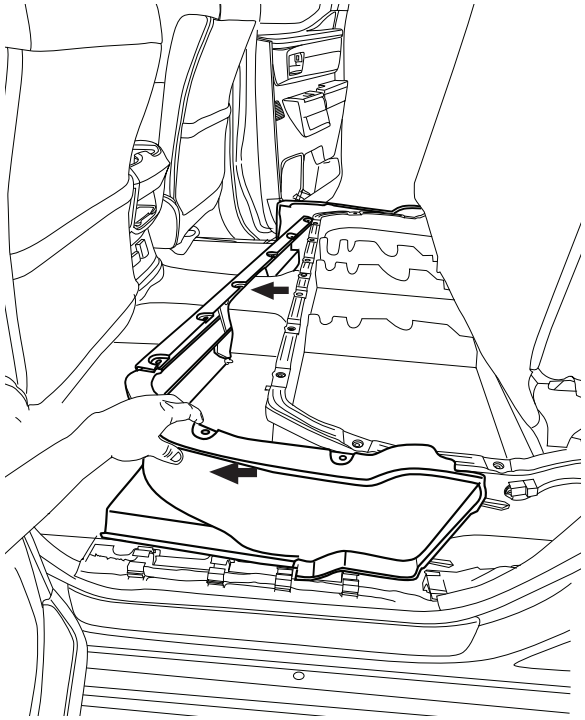


6

Gas Models only, follow step 7 & 8.
Hybrid models skip to step 9.

Lift rear seat into the stowed position to allow access to the lower storage compartment. Remove floor mats and sill plates. Next remove the panels by pushing down on the center of the plastic rivets. Once rivets are removed slide panels forward to gain access under seat area.

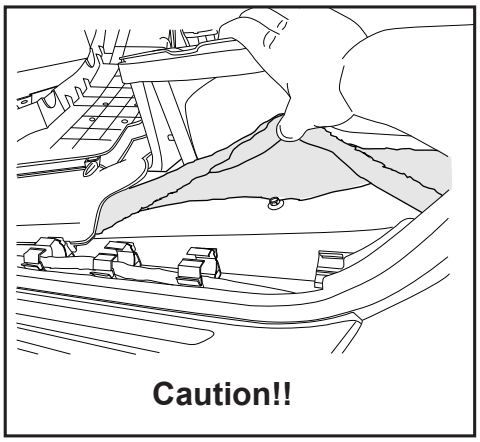




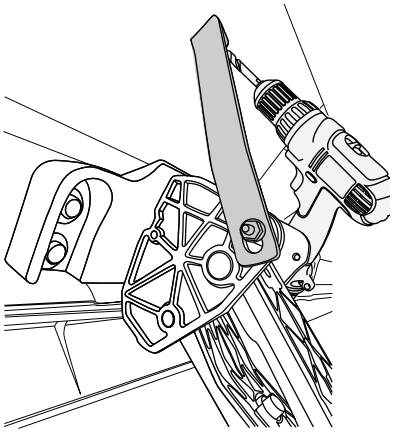
7

Gas Models only, Hybrid skip to step 9.

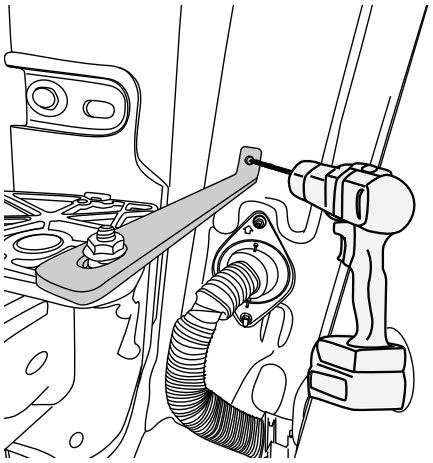
On driver side, set bracket (20) into place. Use supplied torx head screw (11) and flange nut (16) to attach bracket to driver rear upper mount. Slide bracket up to cab floor and use bracket as a guide to locate hole that needs to be drilled. Drill hole thru floor. **Use caution** when drilling thru floor. Verify no wires are under carpet and hold insulation away from the floor on the inside. Use supplied conical washer bolt (8) and nut (16) to secure bracket to vehicle. Tighten bracket at linkage. Repeat for passenger side. **Note driver and passenger side brackets are different.**



Caution!!



Driver Side

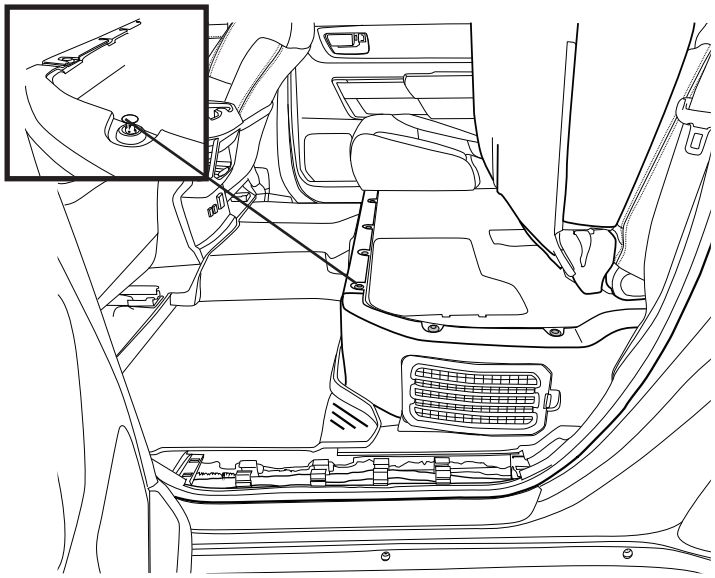


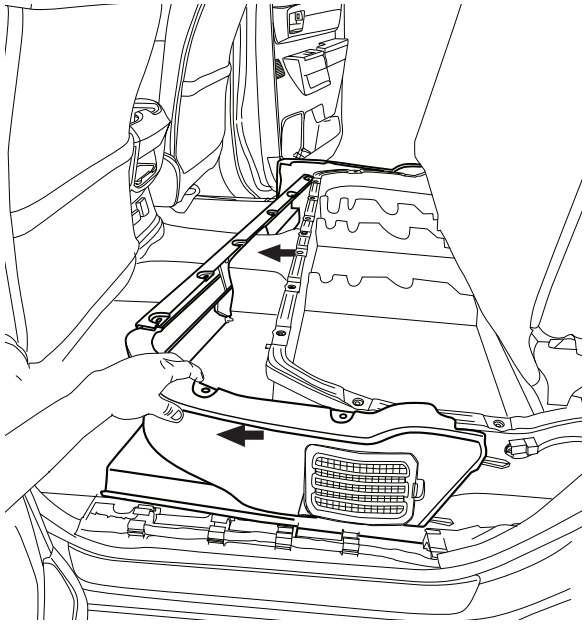
Passenger Side

8

Hybrid Models only. Gas models skip to step 12.

Lift rear seat into the stowed position to allow access to the lower storage compartment. Remove floor mats and sill plates. Next remove the panels by pushing down on the center of the plastic rivets. Once rivets are removed slide panels forward to gain access under seat area.

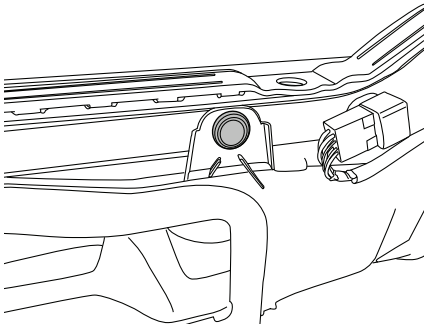




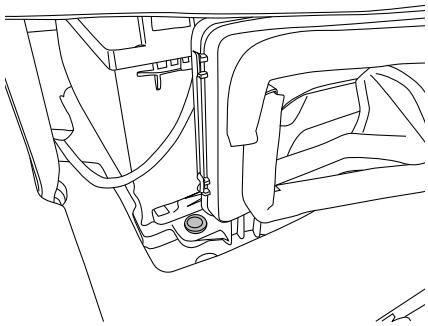
9

Hybrid Models only.

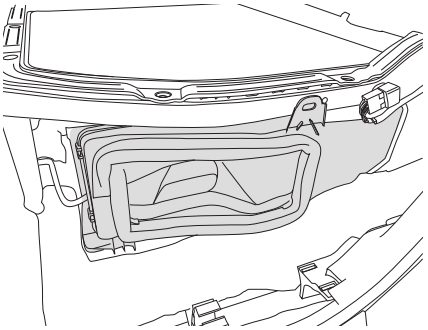
Remove vent on driver and passenger side.



A. Remove upper clip.



B. Remove lower clip.

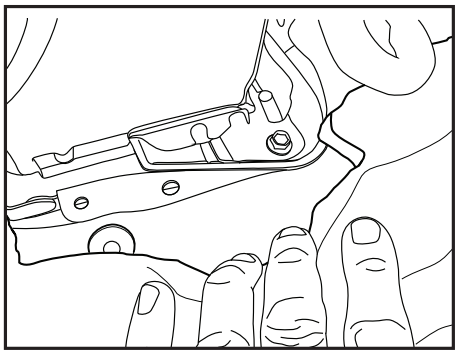


C. Remove vent by sliding forward.

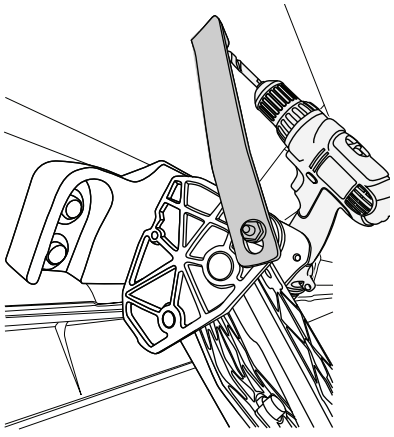
10

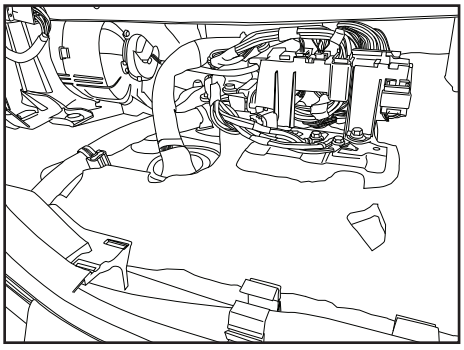
Hybrid Models only.

On driver side, set bracket (20) into place. Use supplied torx head screw (11) and flange nut (16) to attach bracket to driver rear upper mount. Slide bracket up to cab floor and use bracket as a guide to locate hole that needs to be drilled. Drill hole thru floor. **Use caution** when drilling thru floor. Verify no wires are under carpet and hold insulation away from the floor on the inside. Use supplied conical washer bolt (8) and nut (16)to secure bracket to vehicle. Tighten bracket at linkage. Repeat for passenger side. **Note driver and passenger side brackets are different.**

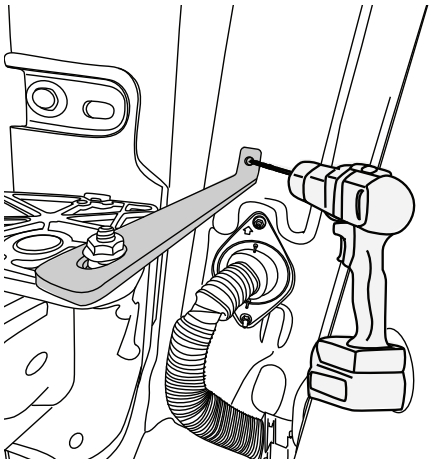


Driver Side





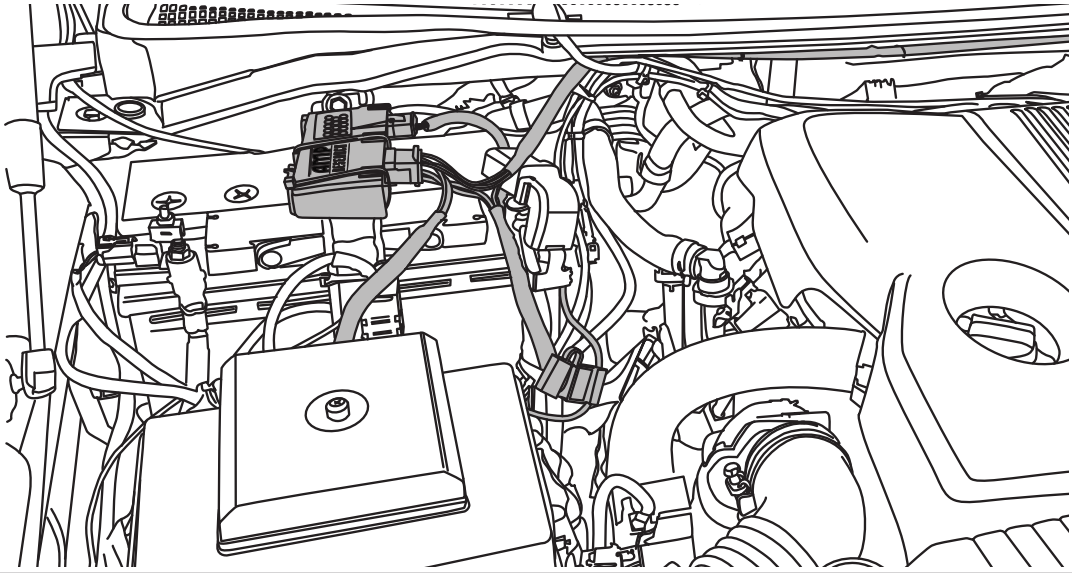
Passenger Side



11

Gas Models only, follow step12 & 13.
Hybrid models skip to step 14.

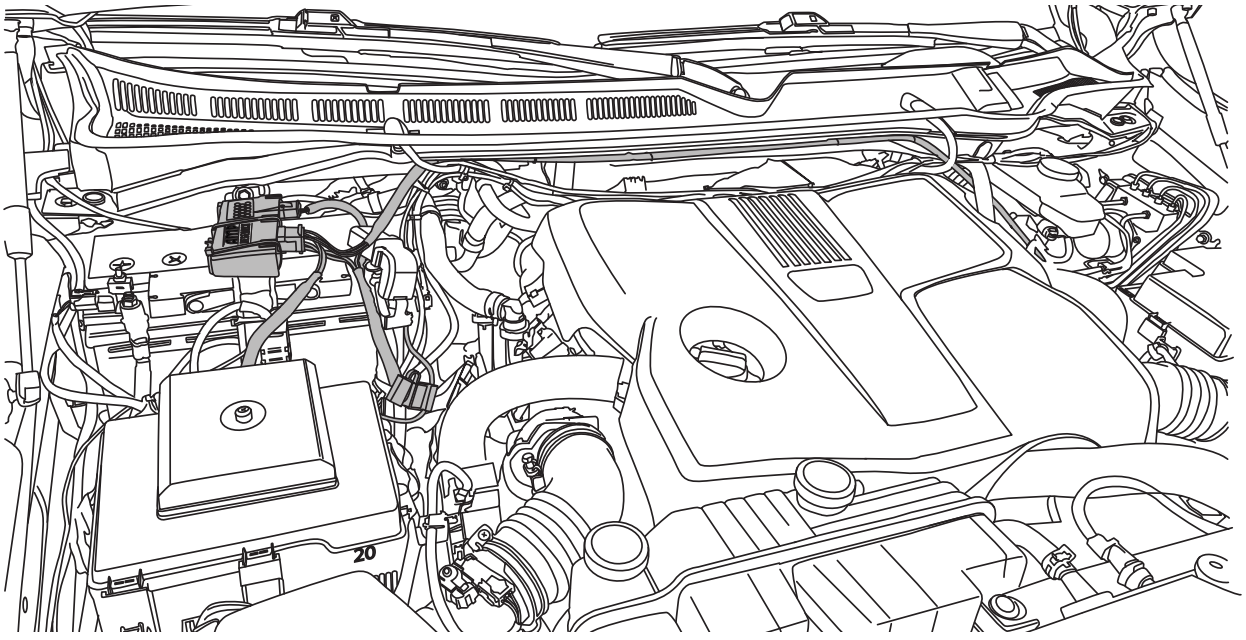
Remove power fuse.
Connect wire harness (4) to controller (5) and secure locking clip.
Connect red power lead to positive battery terminal and black ground lead to grounding lug on fender apron.
Use supplied 11” zip ties (12) to attach controller to battery bracket.



12

Gas Models only, Hybrid skip to step 14.

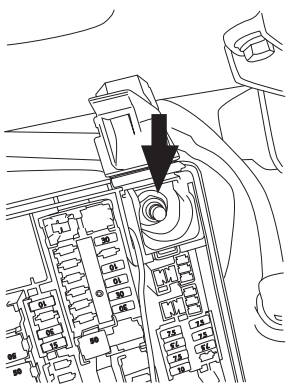
Route longest leg of wire harness across fire wall to driver side and under vehicle outside of frame rail. Route shorter leg of wire harness down passenger side fender well and under vehicle outside of frame rail. Use supplied 7” zip ties (13) where needed to secure harness.



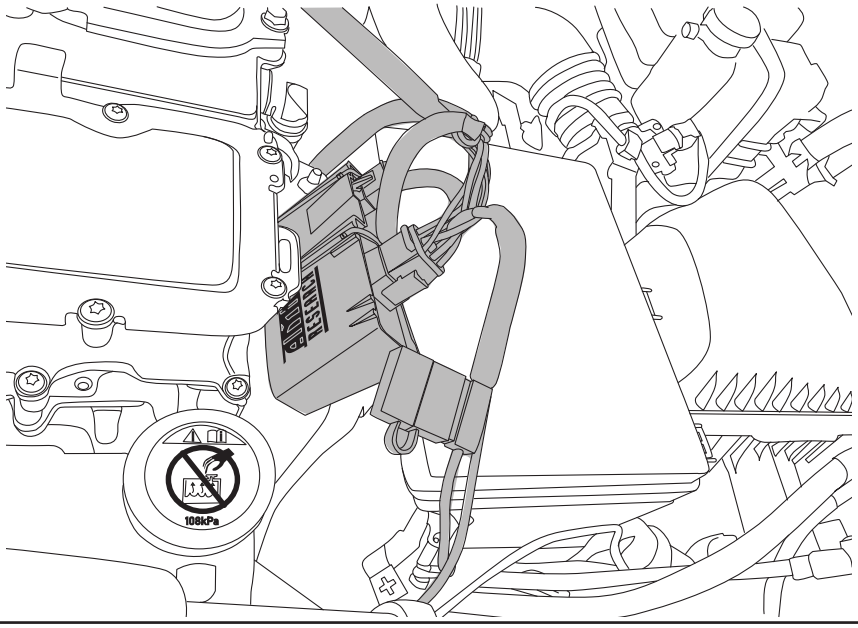
13

Hybrid Models only. Gas models skip to step 16.

Remove power fuse.
Connect wire harness (4) to controller (5) and secure locking clip.
Connect red power lead to positive terminal in fuse box as shown and black ground lead to grounding lug on fender apron.
Use supplied 11” zip ties (12) to attach controller to battery bracket.



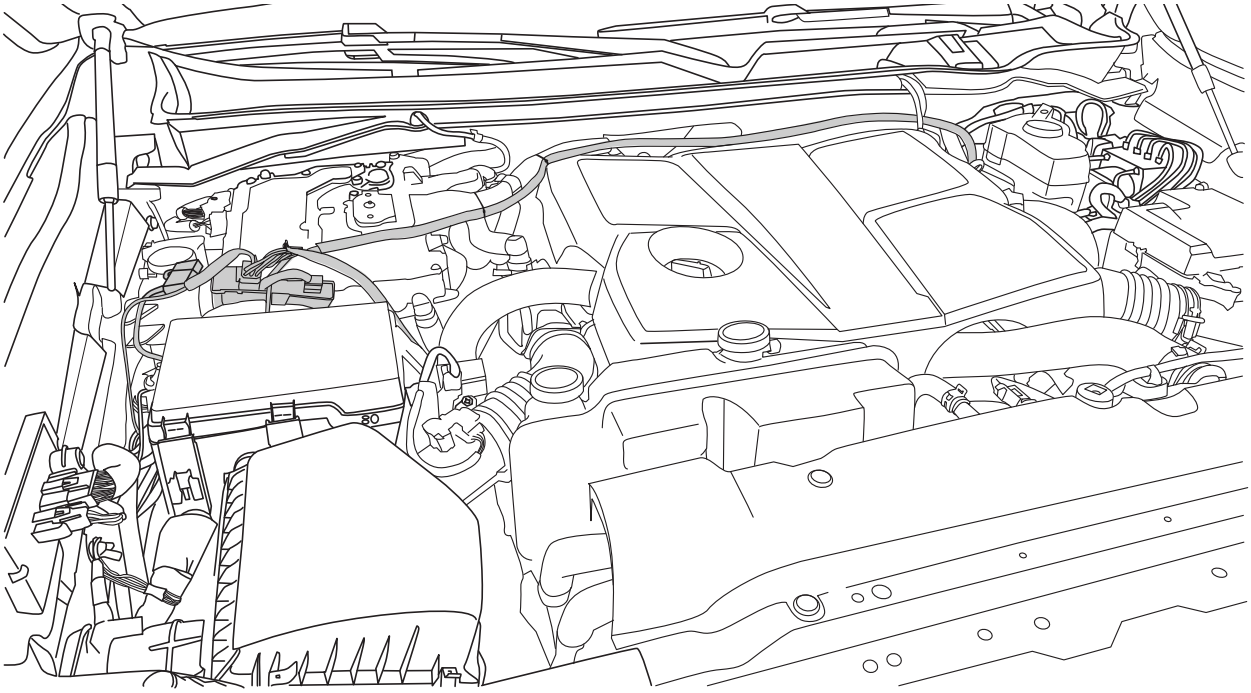
Positive Terminal



14

Hybrid Models only. Gas models skip to step 16.

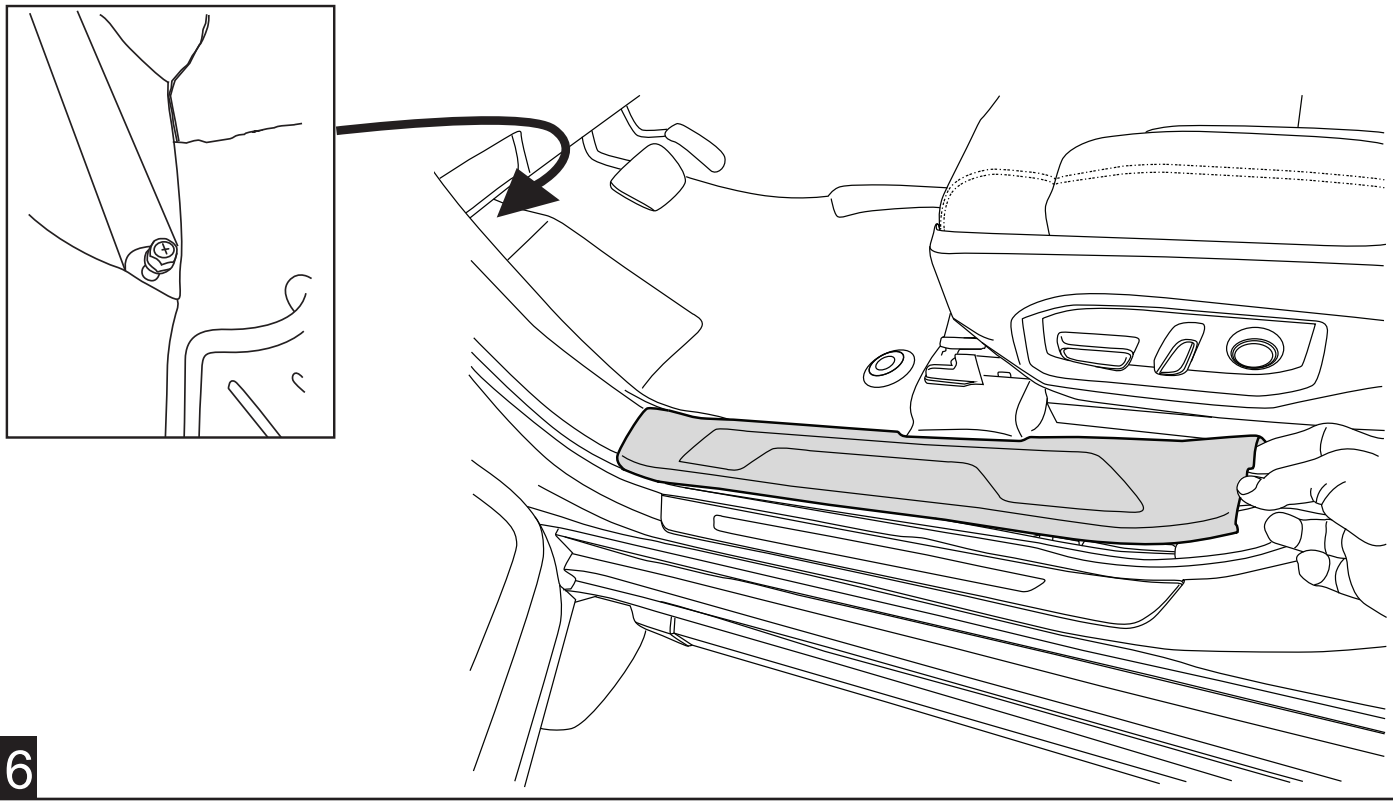
Route longest leg of wire harness across fire wall to driver side and under vehicle outside of frame rail. Route shorter leg of wire harness down passenger side fender well and under vehicle outside of frame rail. Use supplied 7” zip ties (13) where needed to secure harness.



15

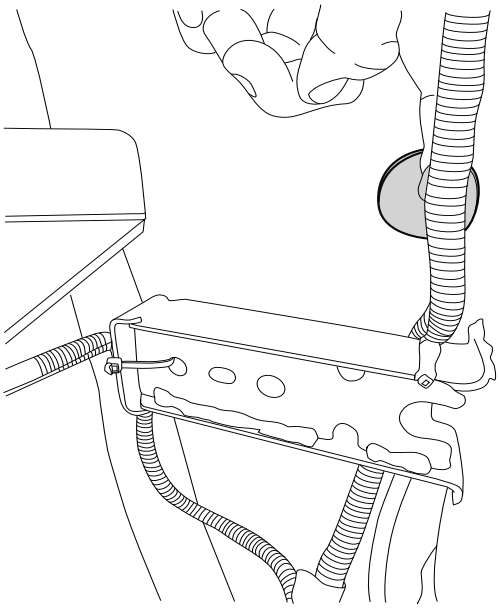
Gas and Hybrid models:

Remove driver front sill plate and kick panel. Pull up carpet. Locate rubber grommets under carpet in floorboards.



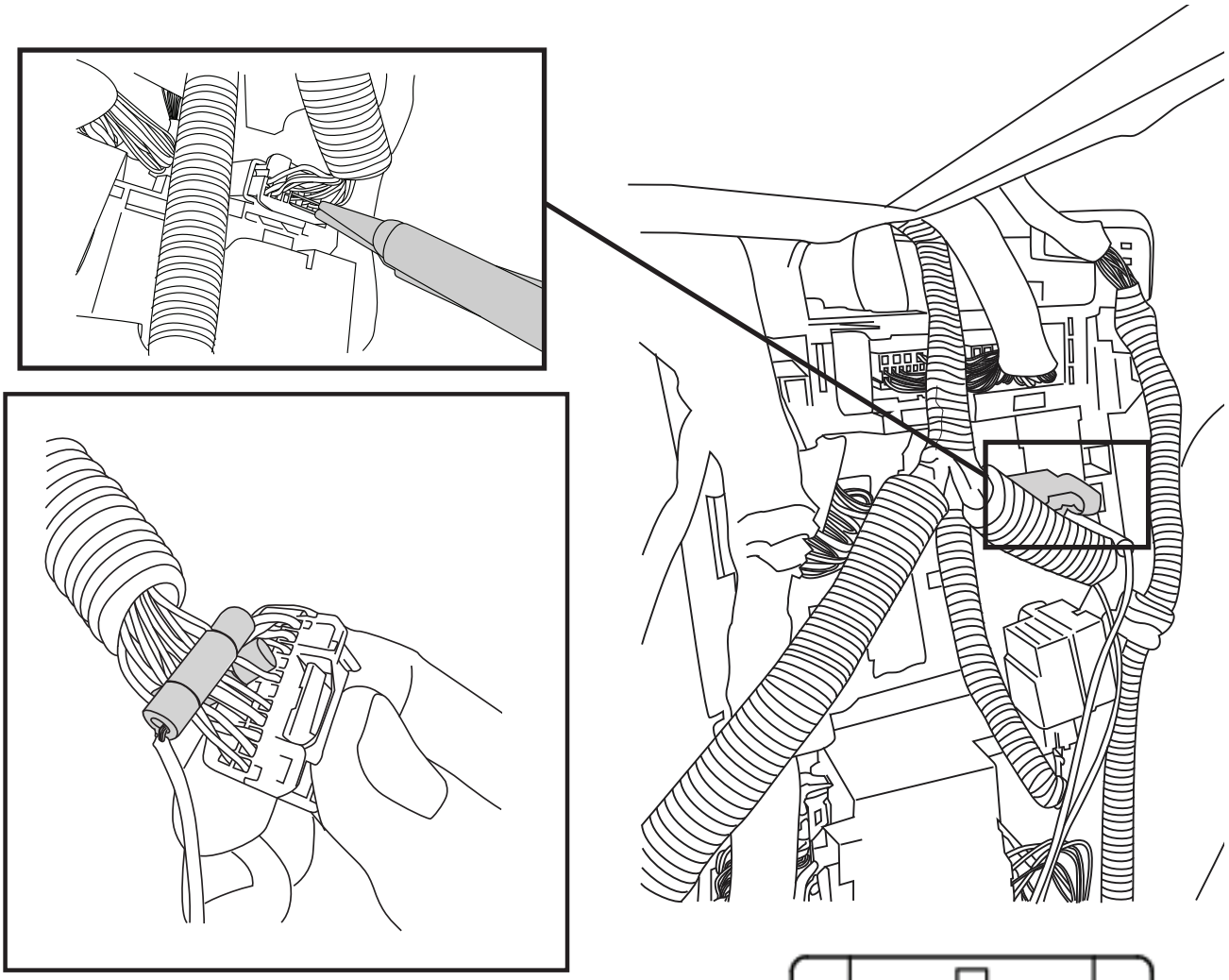
16

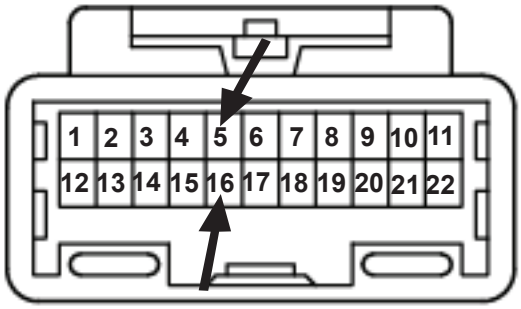
Cut a slit in the rubber grommet and pass the trigger wires up through grommet under carpet on the driver side.



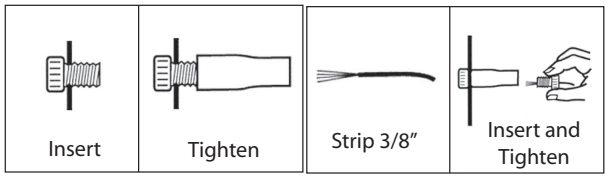
17

Locate white plug in driver kick panel area. Disconnect battery to avoid a Check Engine Light. Once battery is disconnected unplug plug to gain access. Locate the white (PIN 16) and blue wire (PIN 5) as shown in the plug. Using supplied posi-taps™ (15) connect the blue wire on the DSM to the white wire on the factory plug. Next, connect the white wire on the DSM module (7) to the blue wire on the factory plug. Reconnect white factory plug.



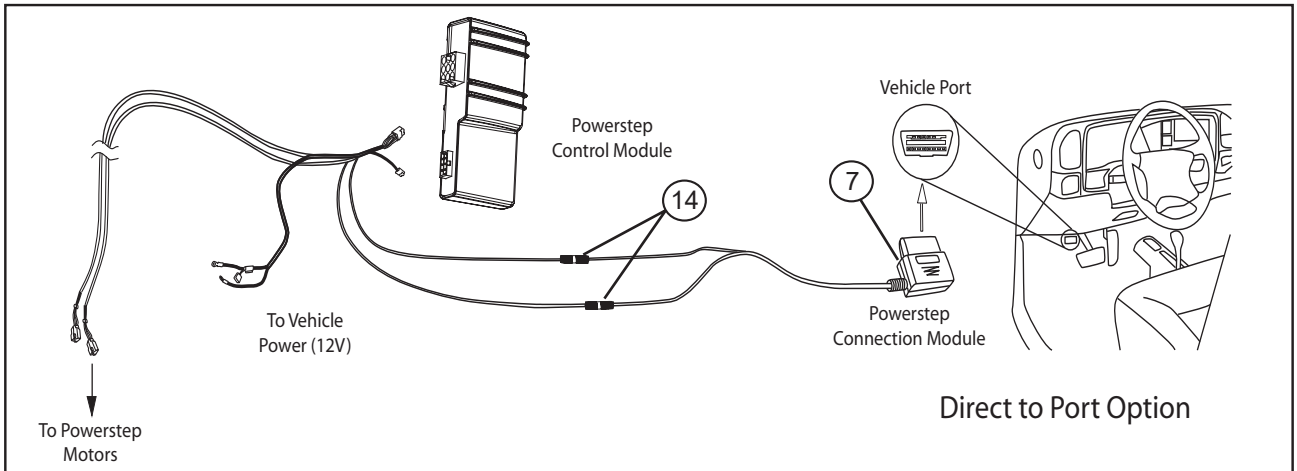


Posi-Tap™ instructions

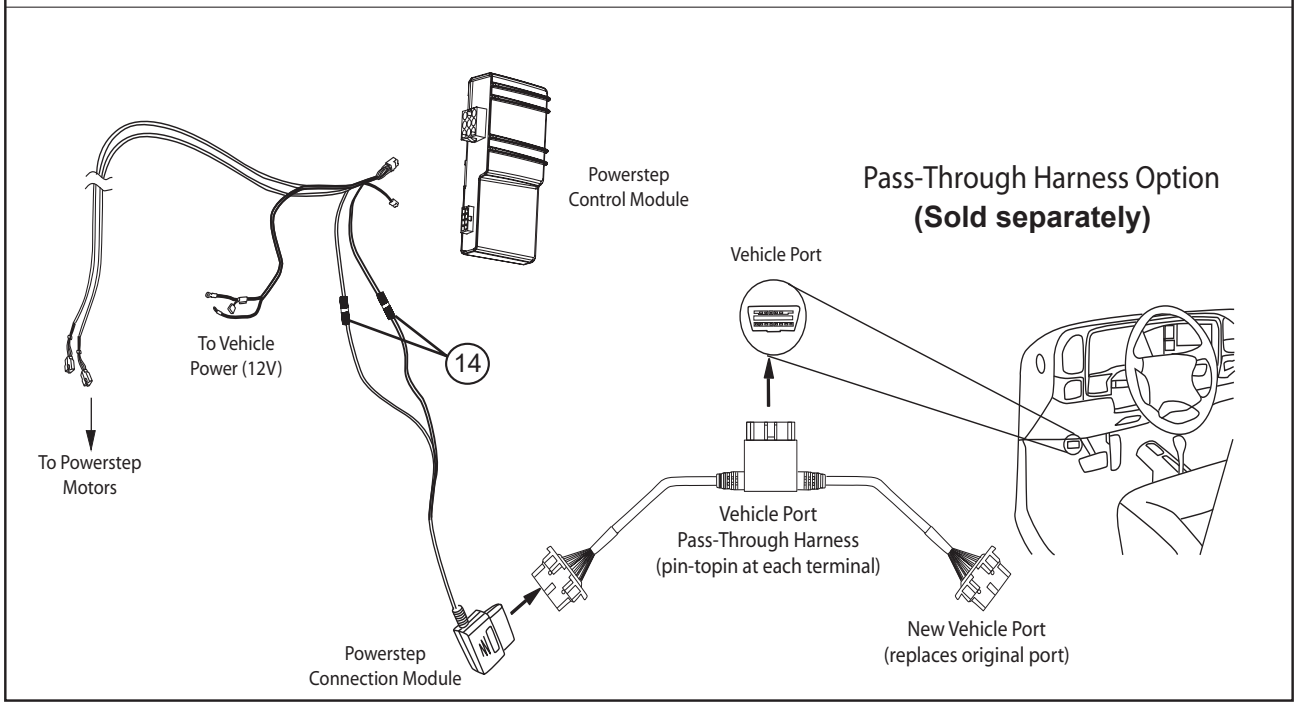


NOTE: Please see step 23 for DSM Activation procedure to ensure proper operation of powersteps!

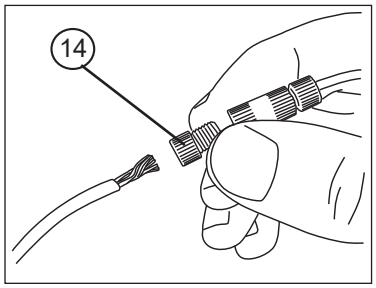
OBD II install: Use Supplied Posi-lock™ (14) connectors to attach the Plug and Play Module to the Harness. Attach matching colors on the harness to the wires on the module. Plug in OBD module (7) to OBD II port on the vehicle. Secure harness with supplied tie wraps (13). ***Note: If the OBD II pass thru harness (76405-01A) was purchased see install sheet supplied in packaging. The pass through harness allows for an open port for other accessories. See below for images with brief descriptions.***

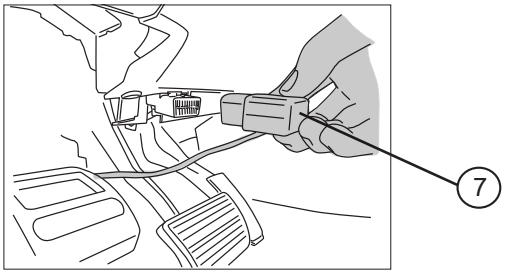


Direct to Port Option

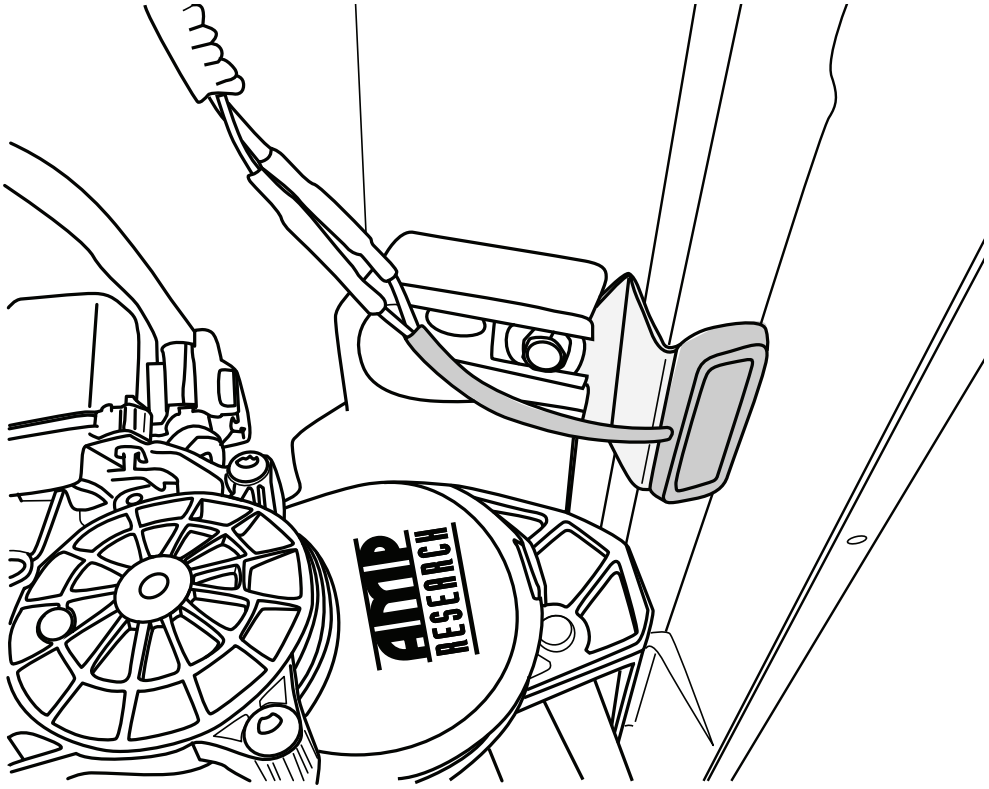


Plug in module to OBD port on the vehicle.



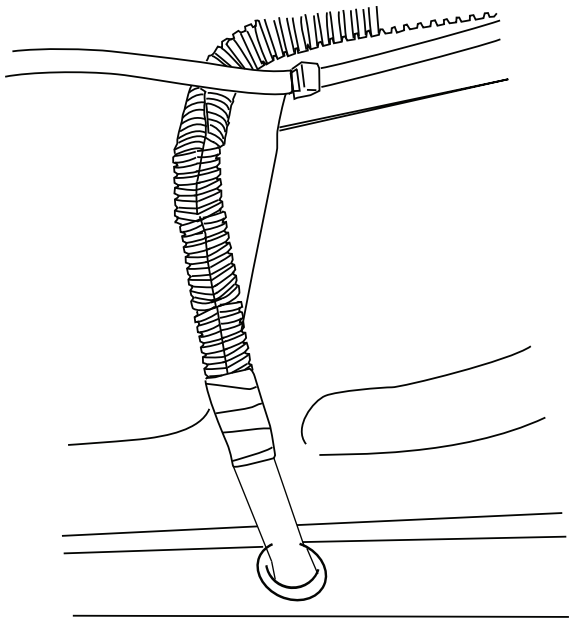


Attach Supplied LED lamps(17) to light brackets(18) as shown. Using supplied butt connectors connect the lamp wires. Red to red, black to black. Once crimped use heat gun to shrink tube.



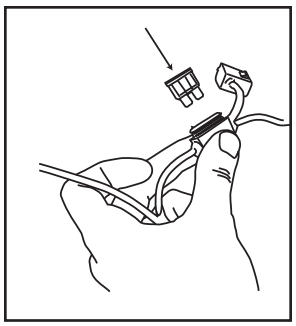
20

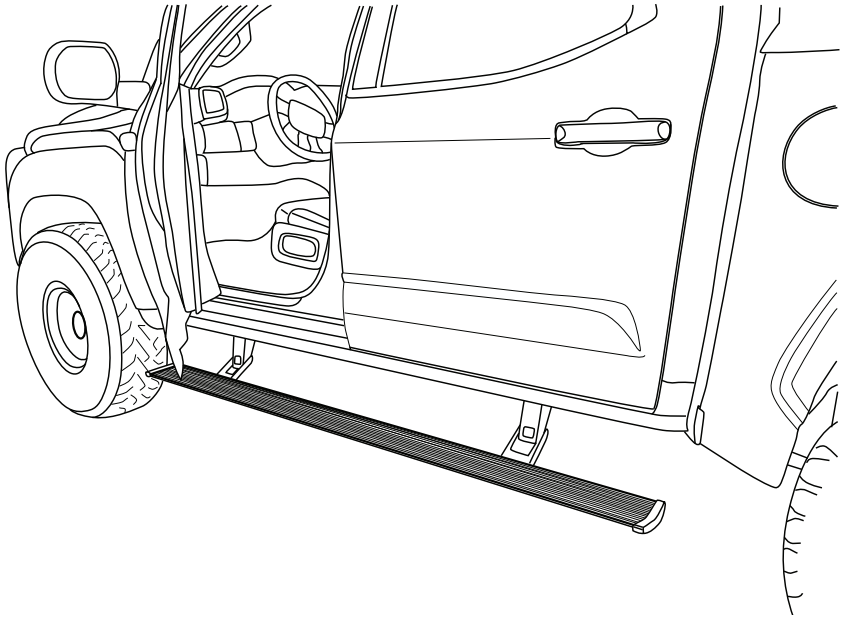
Close and wrap with conduit and electrical tape. Secure all loose wires with cable ties, with lamp wires pulled upward to avoid any wire snagging.



21

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



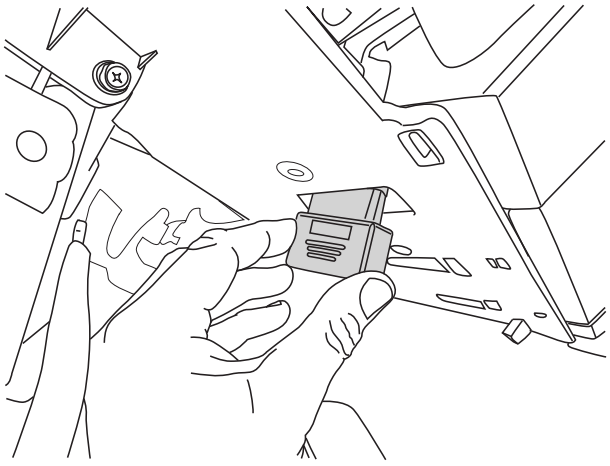


SYSTEM CHECK
Check that all doors activate the PowerStep and the LED lights work when doors open and close.
NORMAL OPERATION: When the doors open, PowerStep automatically deploys from under the vehicle. When the doors are closed, PowerStep will automatically return to the stowed/retracted position. ***Note 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 reillumintated by closing and opening any door of vehicle.

22

Because the factory plug was removed a key cycle is required to activate the DSM module.

Started the vehicle then shut off the vehicle. Next plug in the DSM module (7), open and close door. The steps should deploy.



23

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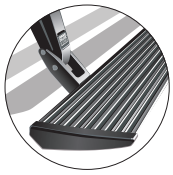
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REALTRUCK AMP RESEARCH Power Step

Congratulations on your purchase of the genuine RealTruck / AMP Research PowerStep! Here's what you should know...

POWER-DEPLOYABLE RUNNING BOARDS OPERATION: RealTruck / AMP Research PowerStep running boards automatically move when the doors are opened to assist entering and exiting the vehicle.



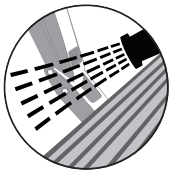
Automatic power deploy:
The running boards will extend down and out when the doors are opened.

Automatic power stow:
The running boards will return to the stowed position when the doors are closed. There will be a 2-second delay before the running boards move to the stowed position.

Automatic stop:
If an object is in the way of the moving running board, the running board will automatically stop. To reset, clear any obstruction, then simply open and close the door to resume normal operation.



Manually set in the deployed (OUT) position for access to the roof:
The running boards can be manually set in the deployed position by firmly holding the step down with your foot while at the same time closing the door. To resume normal operation, open and close the door.



Maintenance: In adverse conditions, debris such as mud, dirt, and salt may become trapped in the running board mechanism, possibly leading to unwanted noise. If this occurs, manually set the running boards to the deployed position and flush the front and rear hinge arms with a high-pressure car wash wand. Avoid spraying the motors directly. After washing, apply silicone spray lubricant to the hinge pivot pins. Do not apply silicone, wax or protectants like Armor All® to the running board stepping surface.

Caution! Keep hands away when the running board is in motion.

5-YEAR LIMITED WARRANTY

RealTruck / AMP RESEARCH warrants this product to be free from defects in material and workmanship for FIVE (5) YEARS FROM DATE OF PURCHASE, 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 replacement of the product itself, or the repair or replacement of any component part thereof, found by the factory to be defective within the time period specified. The decision to repair or replace is wholly within the discretion of the manufacturer.

This warranty specifically excludes labor. 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 by nature or by defective parts not manufactured by us, is not covered under this warranty.

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.

FOR WARRANTY ISSUES WITH THIS PRODUCT PLEASE CALL REALTRUCK TECH SUPPORT 1-888-983-2204

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 properly installed.

The material that your product is made from can be recycled. Please also consider recycling the packaging that your product came in.