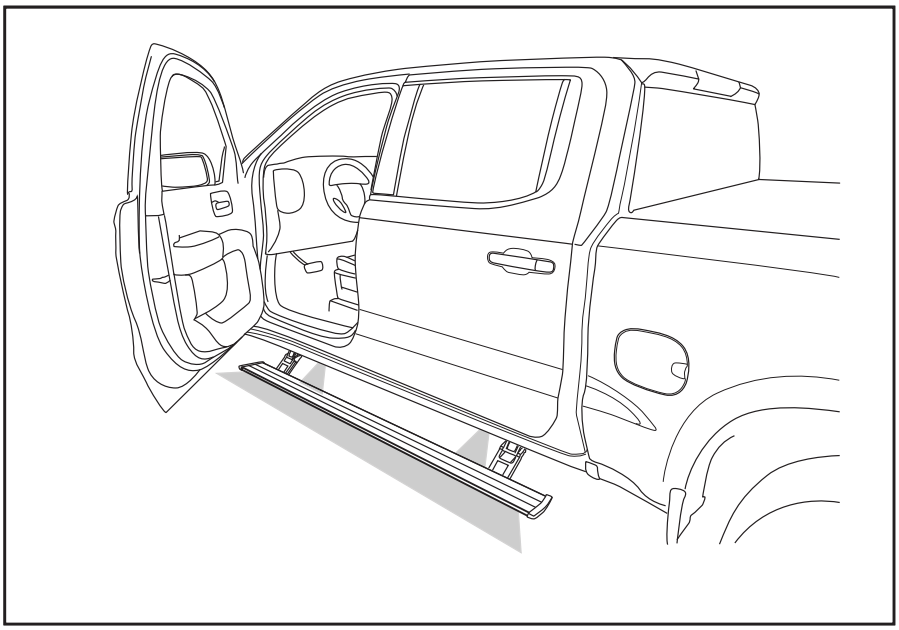
REALTRUCK | AMP RESEARCH

PowerStep

APPLICATION	MODEL YR	PART #
Chevrolet Silverado 1500 - Crew Cab only	2022 - 2024	96255-01A
GMC Sierra 1500 - Crew Cab only	2022 - 2024	96255-01A
Chevrolet Silverado 2500/3500 - Crew Cab only	2024	96255-01A
GMC Sierra 2500/3500 - Crew Cab only	2024	96255-01A

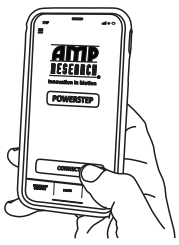
INSTALLATION GUIDE



INSTALLATION TIME
3-5 Hours
Professional installation recommended

SKILL LEVEL
1 2 3 **4**
4= Experienced

TOOLS REQUIRED
- ❑ Safety goggles
- ❑ Measuring tape
- ❑ 1/8”, 19/64” Drill bits
- ❑ 10 mm socket
- ❑ 13 mm socket
- ❑ 13 mm ratchet wrench
- ❑ Ratchet wrench and extension
- ❑ Wire crimpers
- ❑ Wire stripper / cutter
- ❑ 3/16” hex key wrench (allen wrench)
- ❑ 4mm allen wrench
- ❑ Electrical tape
- ❑ Weather proof caulking (silicone sealer)
- ❑ Drill Motor
- ❑ Heat Gun



SMART SERIES APP: Download App to your phone and unlock the latest features including override, light controls, and diagnostics.

SCAN ME

WARRANTY
5-Year Limited Warranty

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

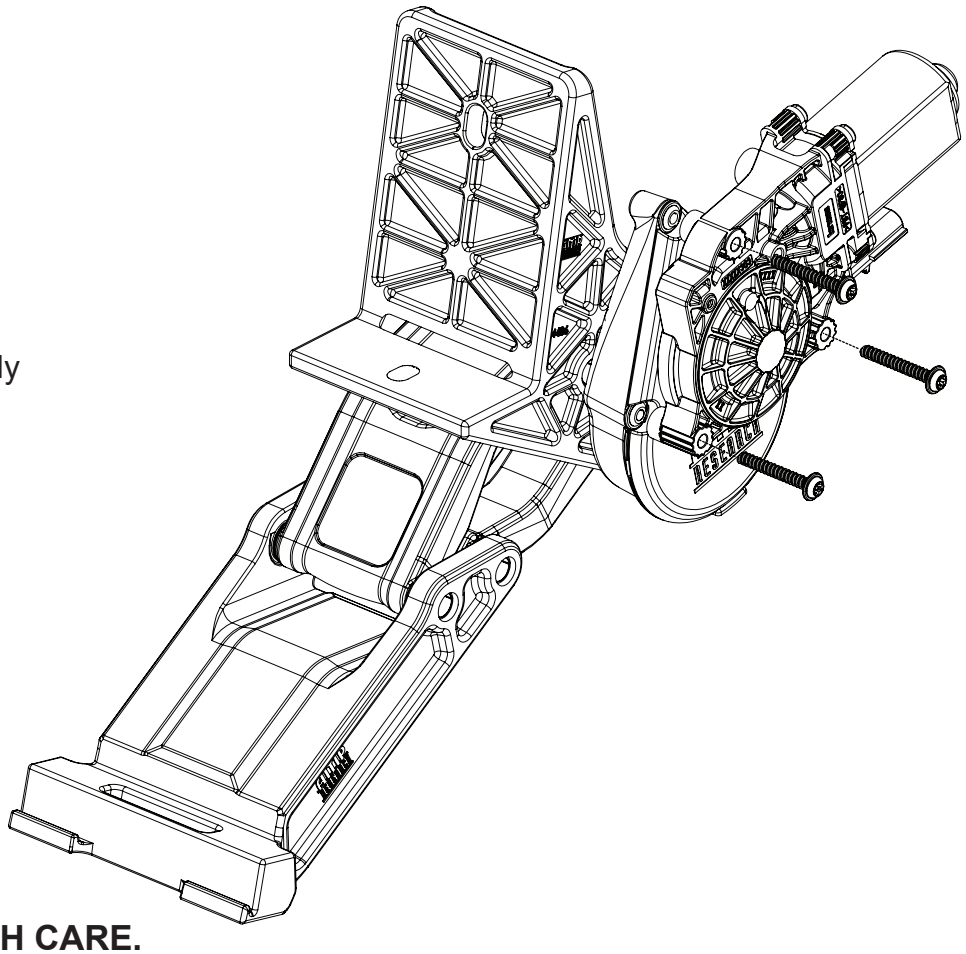
Designed and manufactured by RealTruck AMP Research® • Made in Mexico
Patent Protected. Please see our product site for applicable patents. www.realtruck.com/b/amp-research/
© RealTruck Group, Inc., 2024 • Three-year limited warranty. • Professional installation is recommended.

INSTALLATION GUIDE
Attaching motor to Linkage assembly

The motors must be attached to the rear Linkages before installation. The Drivers side motor mounts on the opposite side of the linkage as the Passenger side motor does.

EXPLODED VIEW

- Motor kit
- Socket cap screws
- Motor Linkage assembly



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.

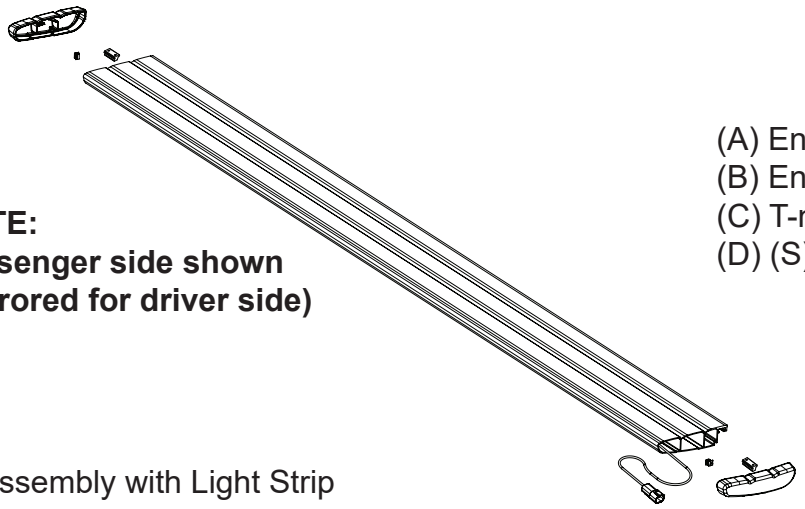
Instructions:

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. Position the motor so the linkage is in the mid extension position. This way the lower bolt can still be installed.

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.**

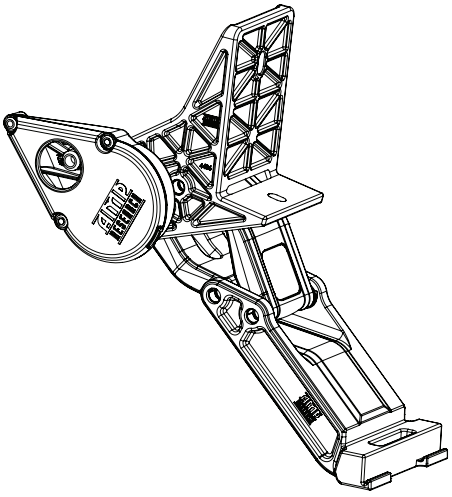
PARTS LIST AND HARDWARE IDENTIFICATION



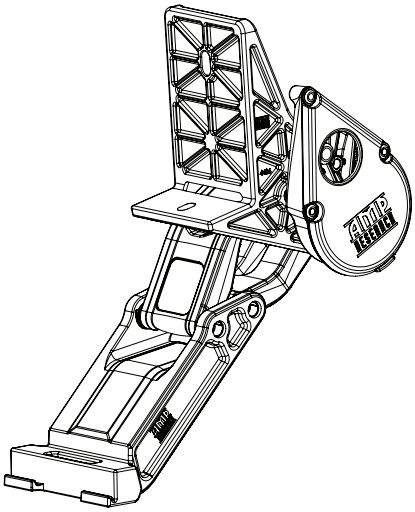
NOTE:
Passenger side shown
(Mirrored for driver side)

(A) End cap left (x1)
(B) End cap right (x1)
(C) T-nut insert (x2)
(D) (S) Style clips (x2)

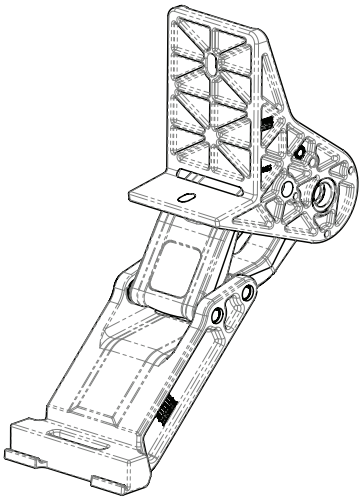
1 x2
Running board assembly with Light Strip



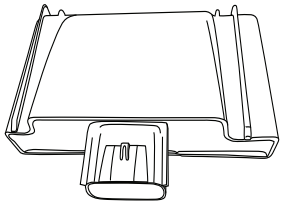
2a
Driver Side Motor Linkage



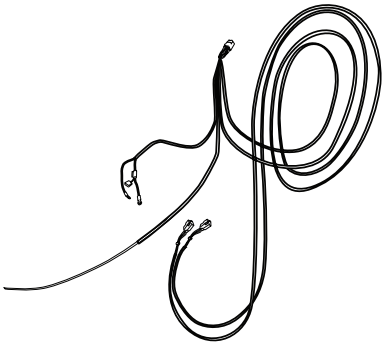
2b
Passenger Side Motor Linkage



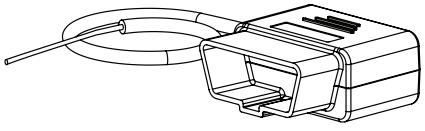
3 x2
Front Idler Linkage Assembly



4
Controller SSA

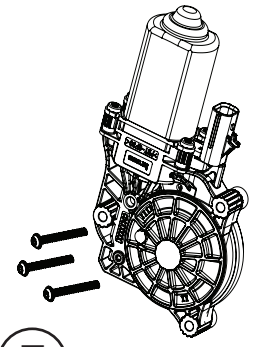


5
Wire Harness

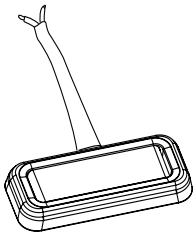


6
OBD II Plug (smart series)

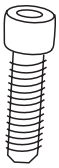
PARTS LIST AND HARDWARE IDENTIFICATION



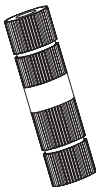
7 x2
Motor kit



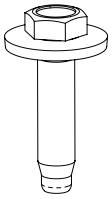
8 x4
LED Lamp



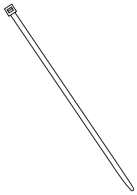
9 x8
Socket Cap Screw



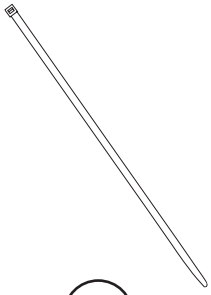
10
Posi-Lock™



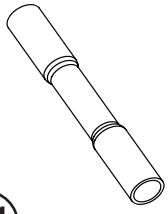
11 x8
Conical Washer Bolt



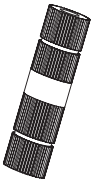
12 x20
Cable Tie 7”



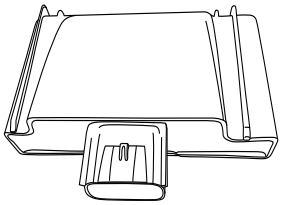
13 x2
Cable Tie 11”



14 x8
Butt Connector



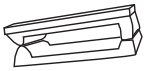
15 x2
Posi-Tap™
(Red/Grey)



16
Controller RGB



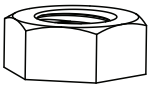
17 x4
Wire clip



18 x6
adhesive clip



19 x4
Grommet



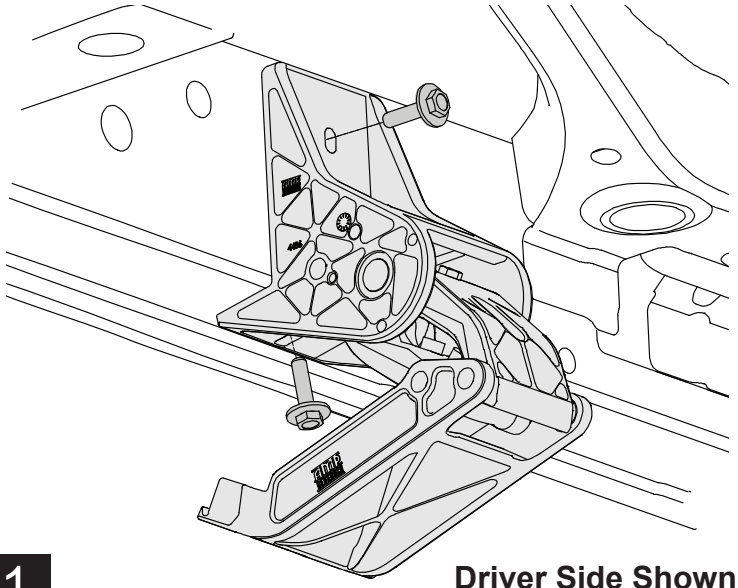
20
Nut



21 x2
(S) Style Clip

Installing Linkages (Driver Side)

Front Linkage (Idler Linkage)



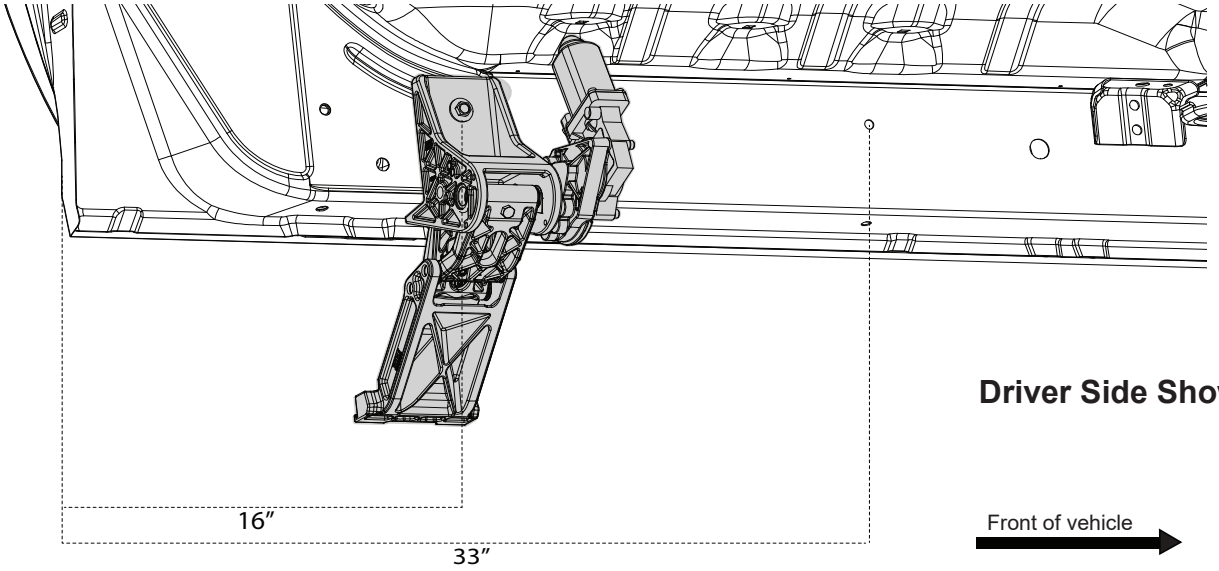
Driver Side Shown

Install the Idler linkage in the **First mount position at the front of the truck,** for Passenger and Driver sides, using the conical washer bolts (12). All plastic or rubber hole plugs need to be removed that are next to the linkage mounts. Also, an extra vertical seam-sealer bead may need to be removed from the front linkage mounting surface.

Torque fasteners to 16 ft-lbs. (22 N·m).

1

Rear Linkage (Motor Linkage)



Driver Side Shown

Assemble the motor to the linkage like the picture before installation shown on page 2. **<u>Position the motor so the linkage is in the mid extension position.</u>** This way the lower bolt can still be installed.

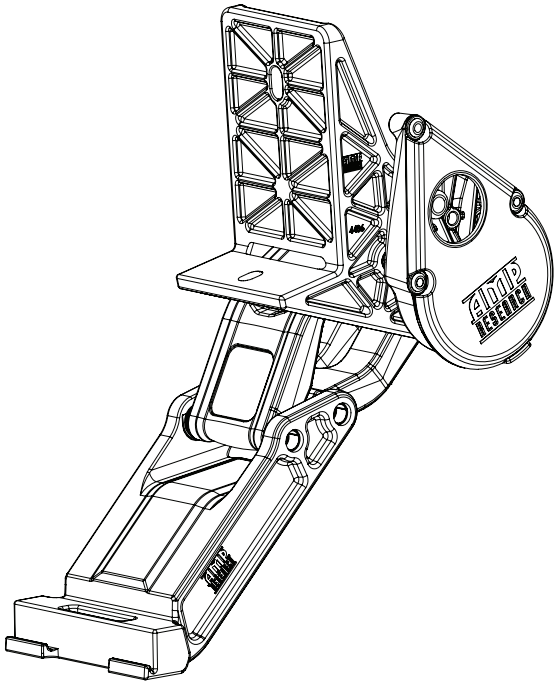
Install the motor linkage with provided Conical washer bolts (12) in the second to last set of holes. Approx 16” from rear of cab. Note: On some models these holes are not present. If so use next set of holes forward. Approx 33” from rear or cab. Keep the linkage held up to the angled surface and the vertical surface. Some structural adhesive remnants may need to be chipped off at the rocker seam. **Torque fasteners to 16 ft-lbs. (22 N·m).**

2

Installing Linkages (Passenger Side)

Rear Linkage (Motor Linkage)

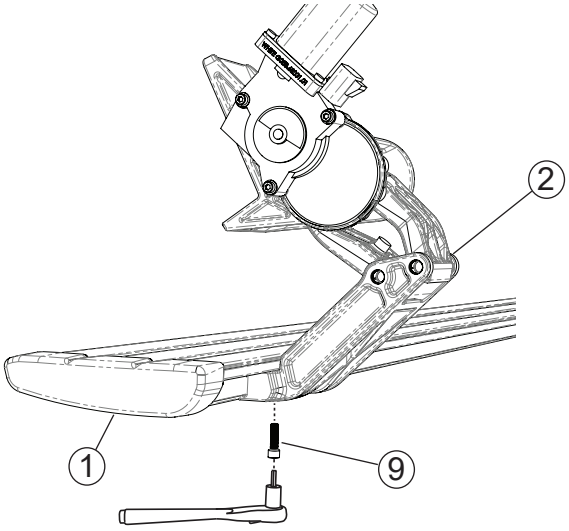
Install the Motor linkage on the passenger side in the second to last set of holes from the rear. The motor should be facing the front of the vehicle for this side as well. Follow the same step as on the Driver side in the previous step. **Torque fasteners to 16 ft-lbs. (22 N·m).**

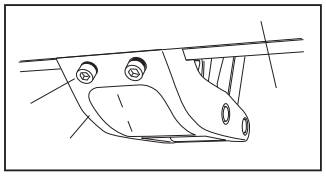


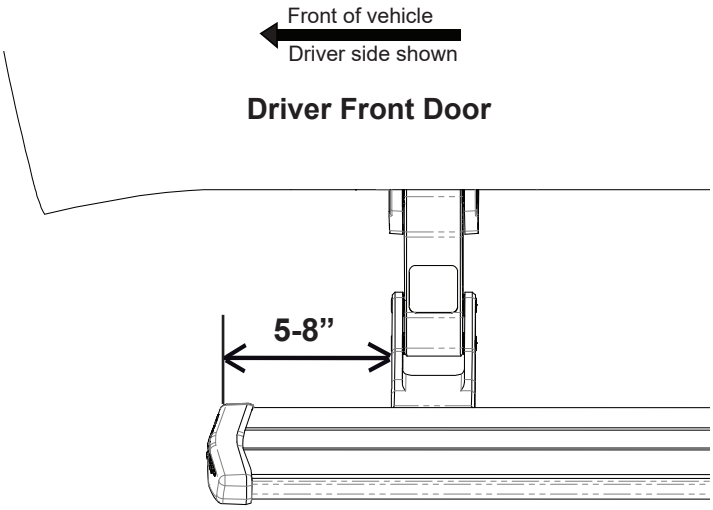
3

Installing Step Extrusion

Slide the front mounting T-nut into position, place the board(1) about 5 to 8 inches (depending on preference) from the front edge of the front door. Use fasteners(9) to attach boards, finger tighten only. Align the rear T-nut and bolt it to the rear linkage. Then tighten all 4 fasteners to 10 ft-lbs (13.6N·m).





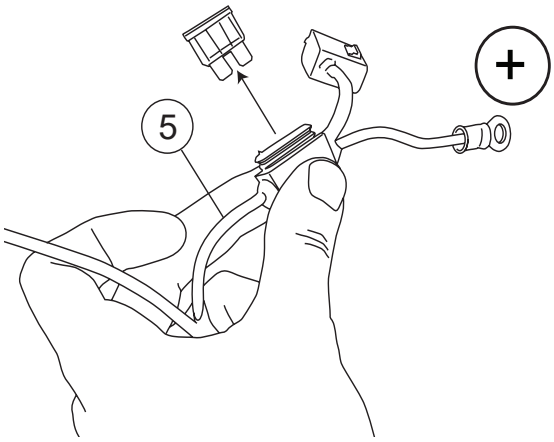


Torque to 10 ft.lbs. (13.6N·m)

4

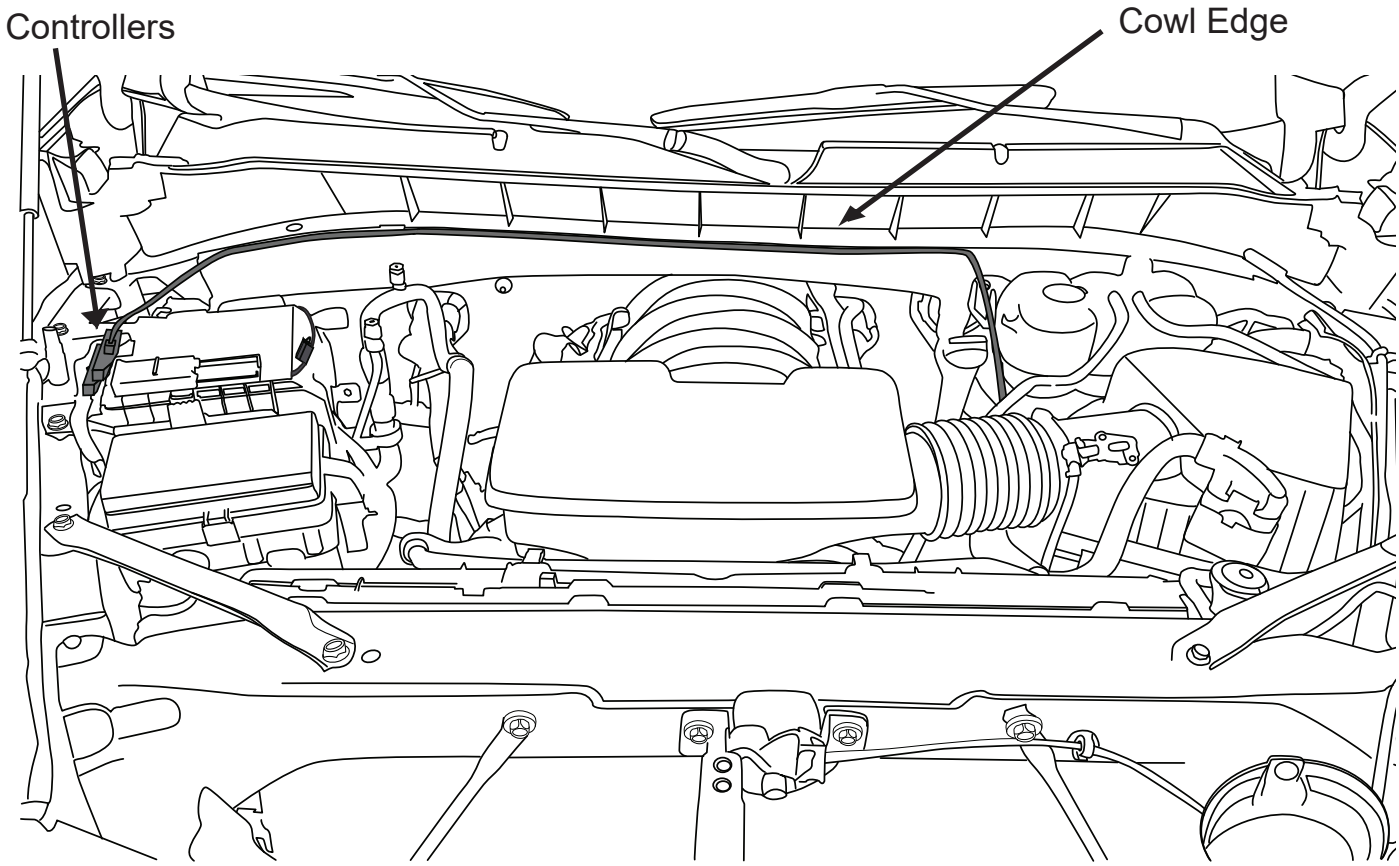
Installing Electrical Components

Remove the fuse from the Powerstep wire harness.



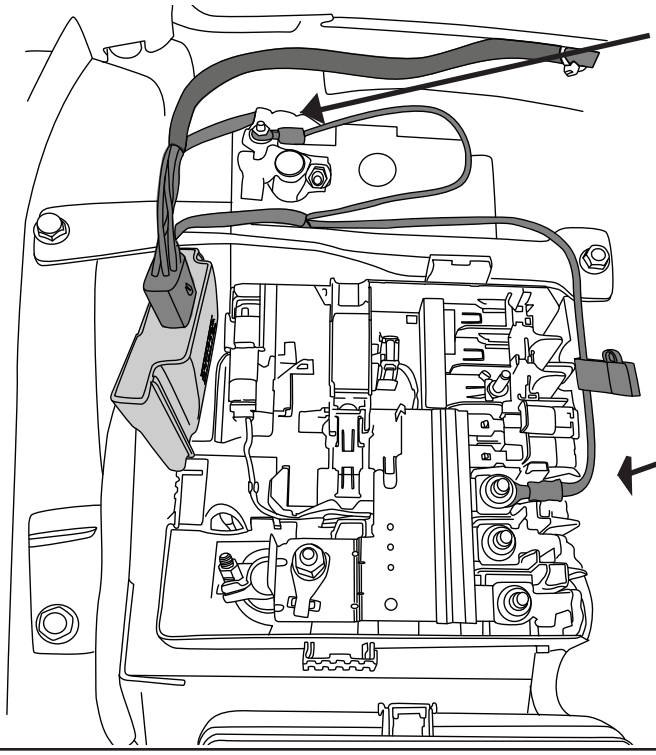
5

Plug in the main connectors(5) to the controllers(4 & 16), then attach the controllers to the passenger side wire harness bundle on the outside of the battery. Secure with two 11” cable ties(13) each. Route the long wire harness leg across the truck under the edge of the cowl (zip tied thru the push rivet slots on the bottom), and then down to the outside of the frame away from the exhaust and steering, cable tie(12) it in place. The other leg shall go down immediately away from the exhaust and to the frame area. Cable tie as needed. **Note: On dual battery vehicles and Diesel models Passenger side battery is still**



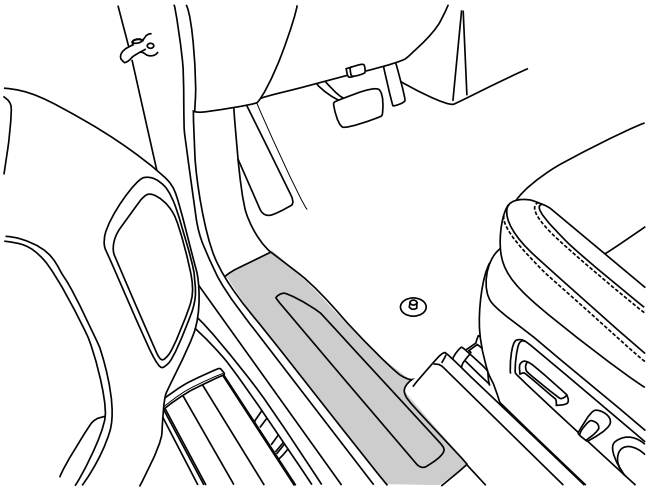
6

Remove the cover on the battery top box and connect the Black wire to the battery terminal accessory stud. Connect the Red wire to the stud on the positive power battery cable terminal using included Nut (20).



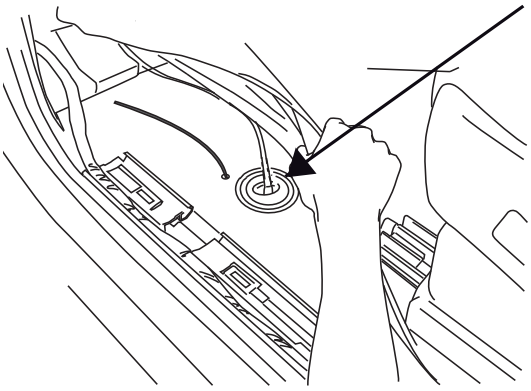
7

Remove the driver side door sill trim and kick panel carefully. Pull up the carpet, and poke a small screwdriver through the rubber insulation material.



8

Route the trigger wire towards the rear of the vehicle above the body mounts, and up through the hole made in the rubber grommet in the previous step. Secure harness with supplied cable ties.



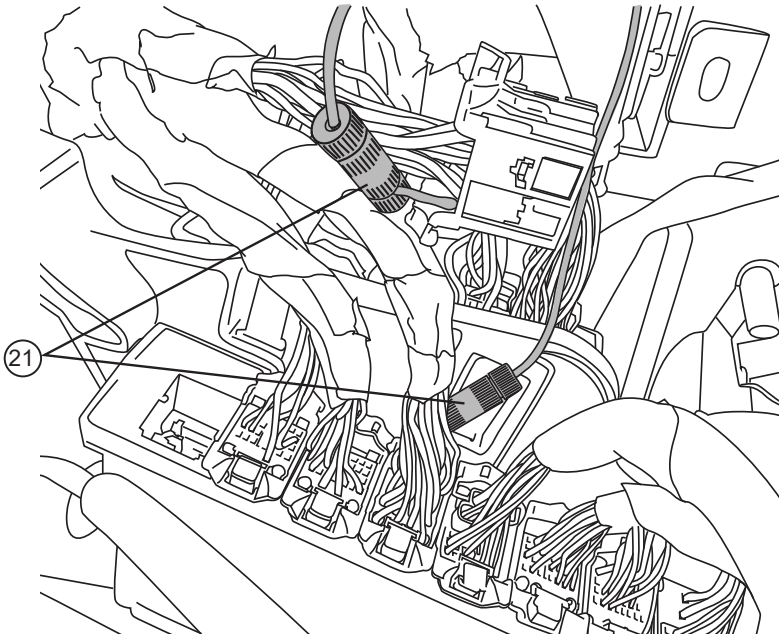
<u>On the Driver side, Do Not zip tie the Wire Harness to the Brake Lines.</u>

9

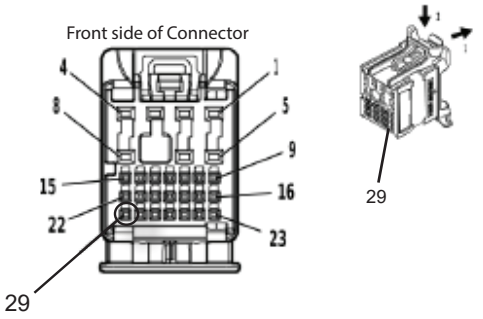
NOTE: Seal holes with silicone glue and cover with tape so carpet does not stick to glue.

In driver side kick panel area, locate bank of 8 plugs. Locate the light grey connector and the light green connector.

a. On dark grey connector, locate the **Light Green/Grey stripe** wire located in pin location 29. Use supplied Posi-tap™ (21) and connect the blue wire from the OBD module.



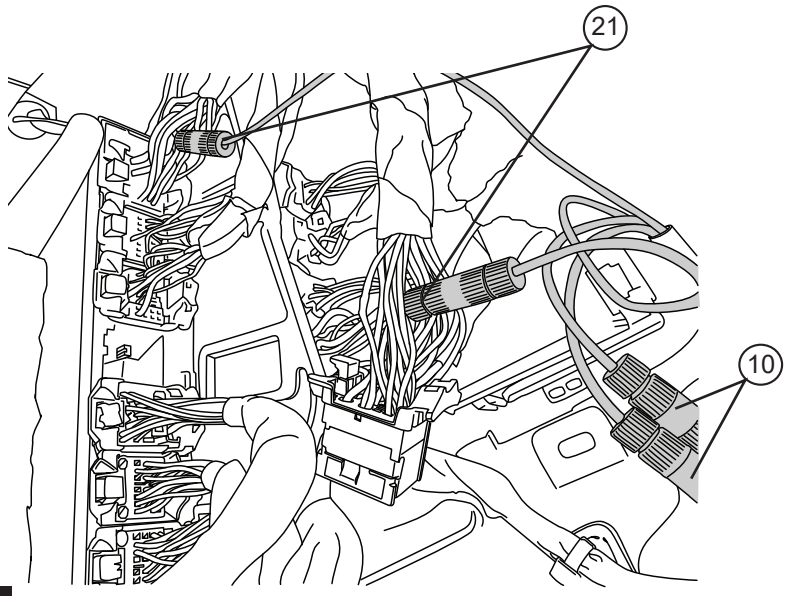
Dark Grey Connector



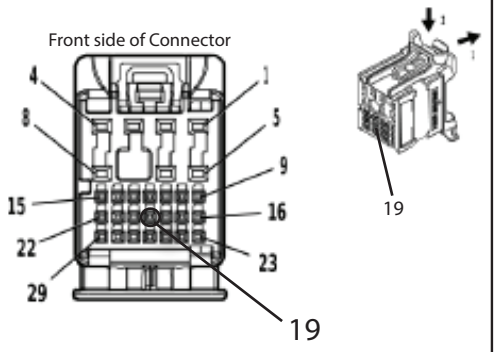
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b. On light blue connector, locate the **Green/Yellow stripe** wire located in pin location 19. Use supplied Posi-tap™ (21) connector and connect the white wire from the OBD module.

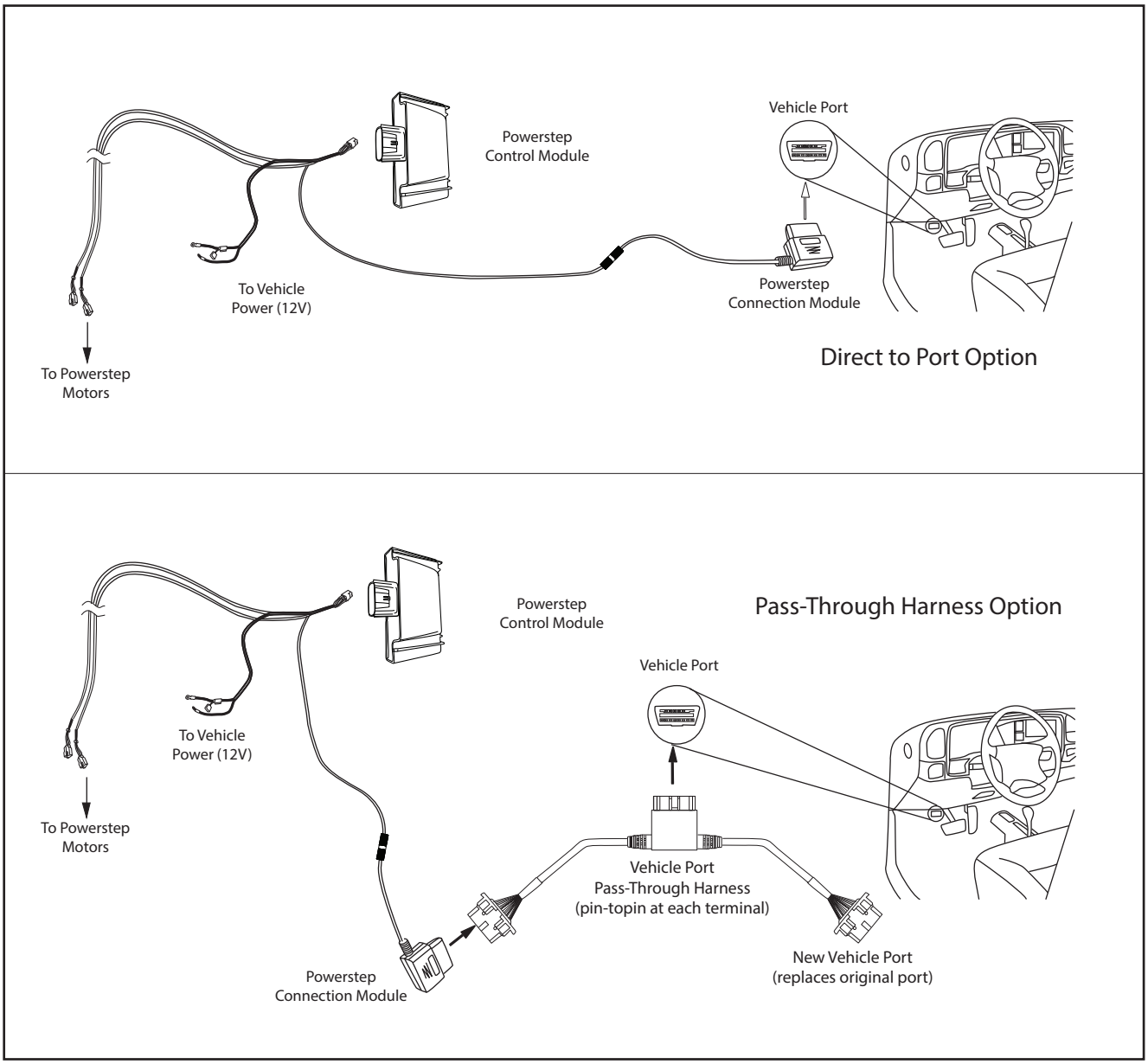
See next step for Posi-lock™ (10) install instructions.



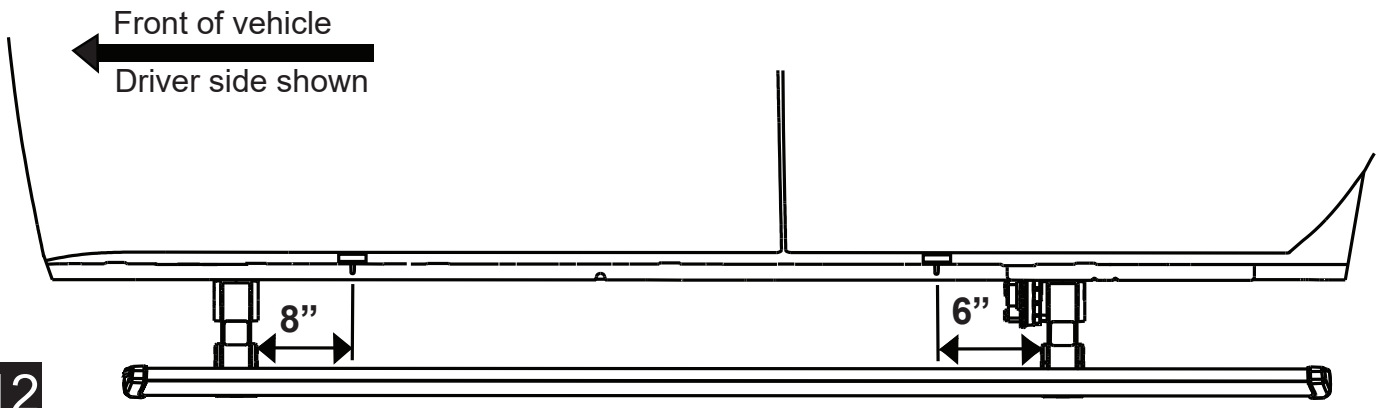
Light Blue Connector



OBD II install: Use Supplied Posi-Lock™ (10) to attach the Plug and Play Module to the Harness trigger wire. Plug in module to OBD II port on the vehicle. Secure harness with supplied tie wraps.
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 a brief description.

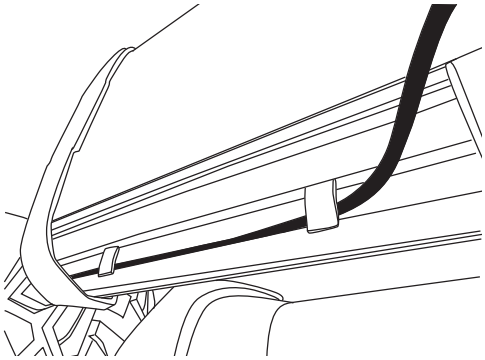


On each side of the vehicle mark the center of each door on the pinch weld and mark for drilling for the light wires in the next step. Make sure there is a clear path to the back of the pinchweld for the wire to enter.



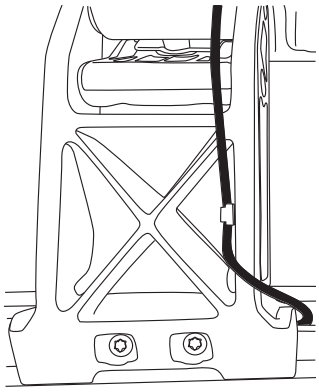
12

Route RGB wire to front linkage as shown. Use provided Extrusion wire clips (17) to hold wire in place.



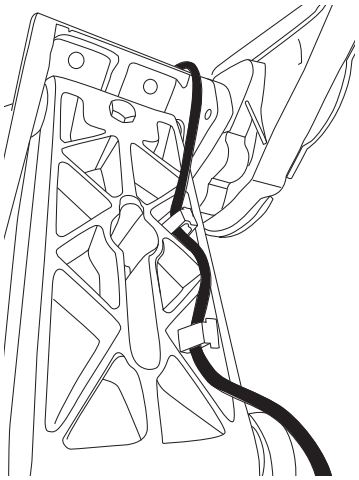
13

Clean surface with alcohol and use provided adhesive backed wire clips (17) to hold wire on lower mount.



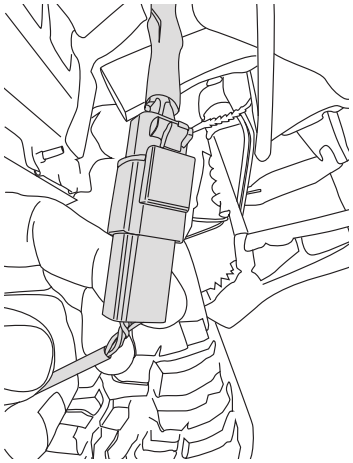
14

Clean surface with alcohol and use provided adhesive backed wire clips to hold wire on inner linkage as shown.



15

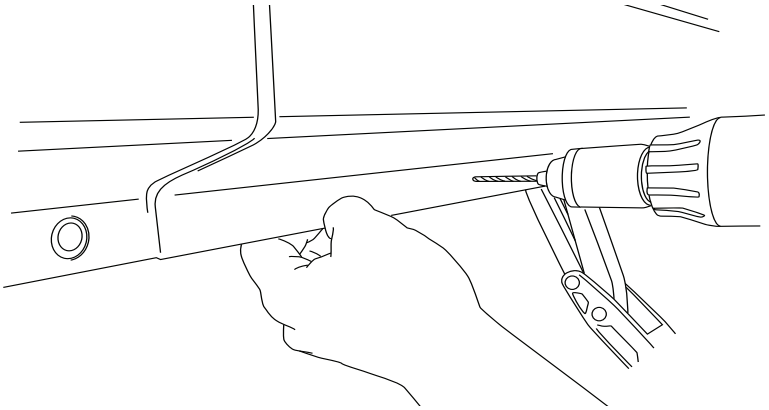
Connect RGB light plug into main harness of powerstep. Secure all remaining RGB wiring with supplied Zip ties (12). Cycle steps to ensure wiring is clear from any moving components of the powerstep.



16

Measure down 1/2” from the top of the pinchweld. Center punch and drill a 1/8” pilot hole then drill a 19/64” hole through the pinch weld at marked locations. Deburr all holes. After drilling apply paint to holes to prevent rusting.

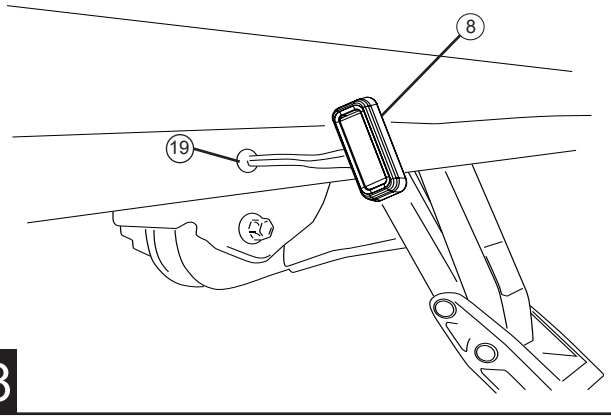
Note: Recommend using a step drill to enlarge holes.





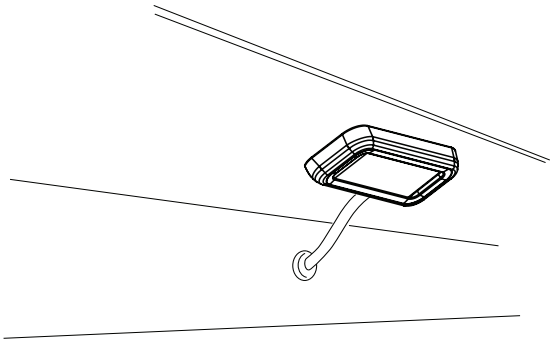
17

Insert grommet (19) into drilled holes. Insert lamp (8) wires through the grommets. (Silicon lube will help wires slip through grommets.)



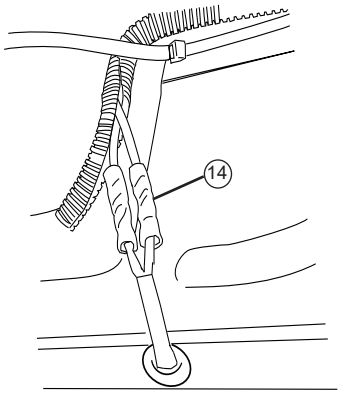
18

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



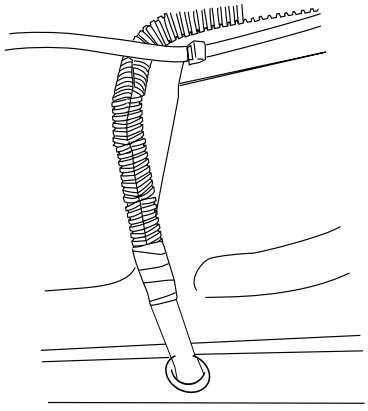
19

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



20

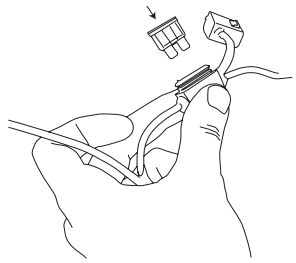
Close and wrap with conduit and electrical tape. Secure all loose wires with cable ties, with lamp wires pulled upward to avoid any wire snagging.

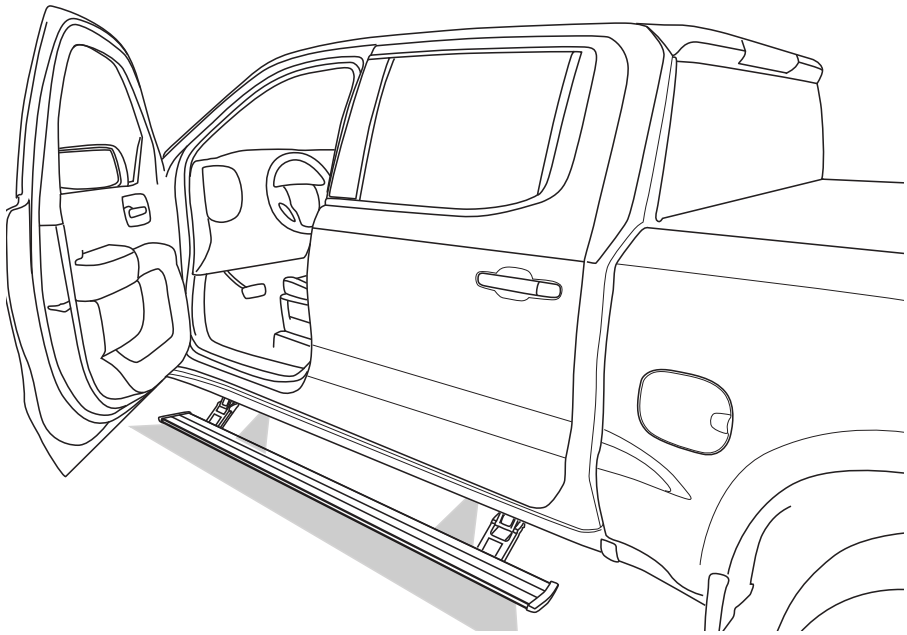


21

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

Reinstall fuse.



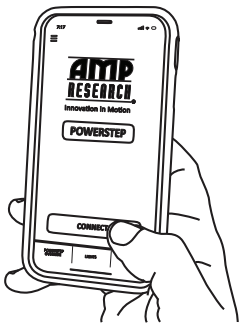


FINAL SYSTEM CHECK

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 reillumintated by closing and opening any door of vehicle.

22



Download our Smart Series App on your Android phone or iPhone by scanning the QR code below and follow the instructions. Or visit your app store and search "AMP Research Powerstep" to download app.

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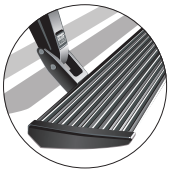
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REALTRUCK AMP RESEARCH Power Step

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.



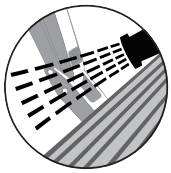
Automatic power deploy:
The running boards will extend down and out when the doors are opened.

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.