

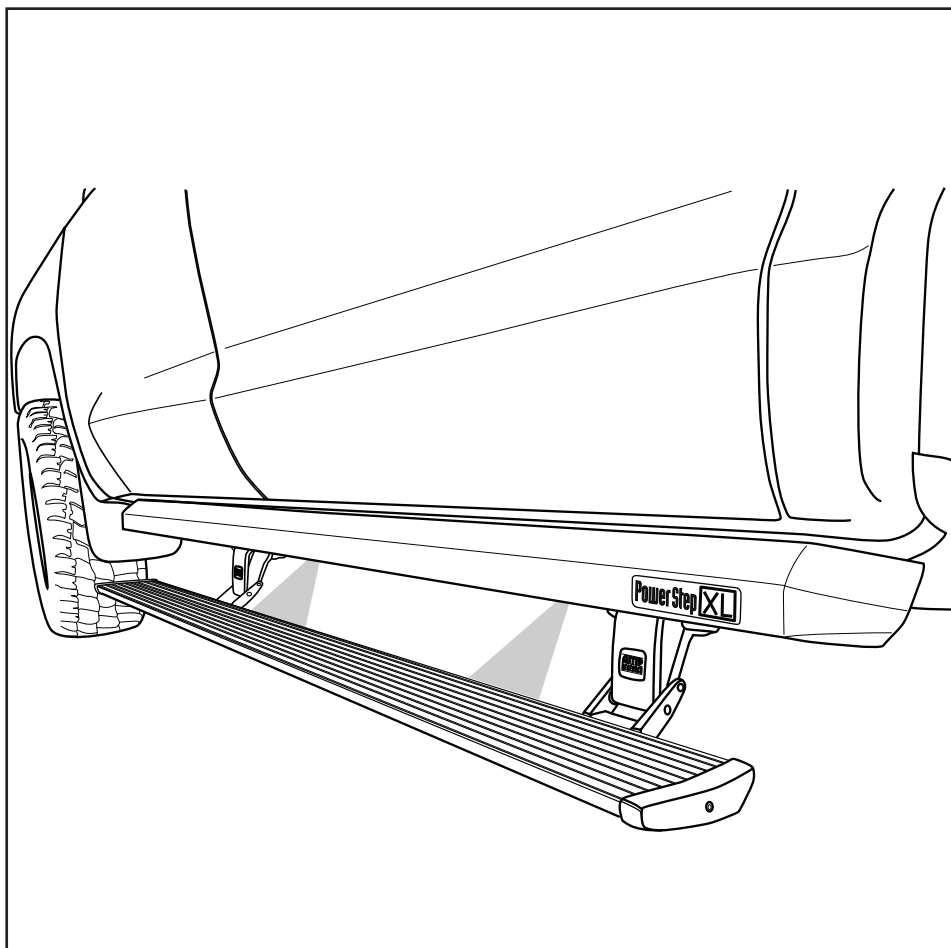
APPLICATION

Ram 1500	Crew Cab	2025
Ram 1500	Quad Cab	2025

AMP Part

77364-01A
77364-01A

INSTALLATION GUIDE



INSTALLATION TIME

3-5 Hours

Professional installation recommended

SKILL LEVEL



4= Experienced

TOOLS REQUIRED

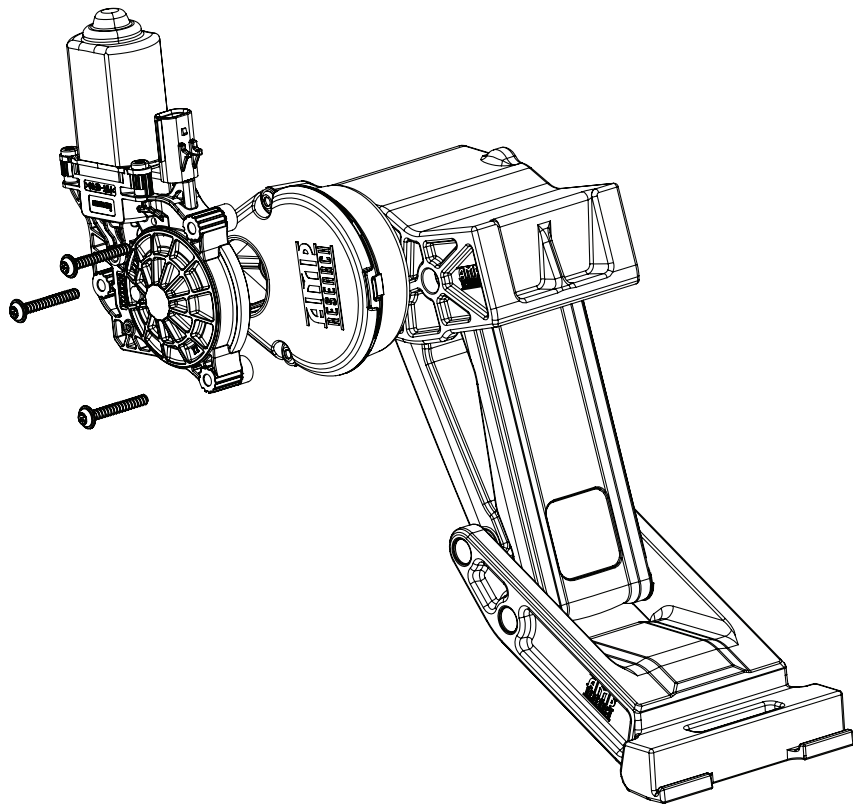
- ☐ Safety goggles
- ☐ Measuring tape
- ☐ 10 mm socket
- ☐ 13 mm socket
- ☐ 1/2" socket
- ☐ Ratchet wrench and extension
- ☐ Wire crimpers
- ☐ Wire stripper / cutter
- ☐ 3/16" hex key wrench (allen wrench)
- ☐ 4mm hex key wrench (allen wrench)
- ☐ Electrical tape
- ☐ Weather proof caulking (silicone sealer)
- ☐ Silicone spray

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.



EXPLODED VIEW

Motor Linkage

Motor Kit

Delta PT screws

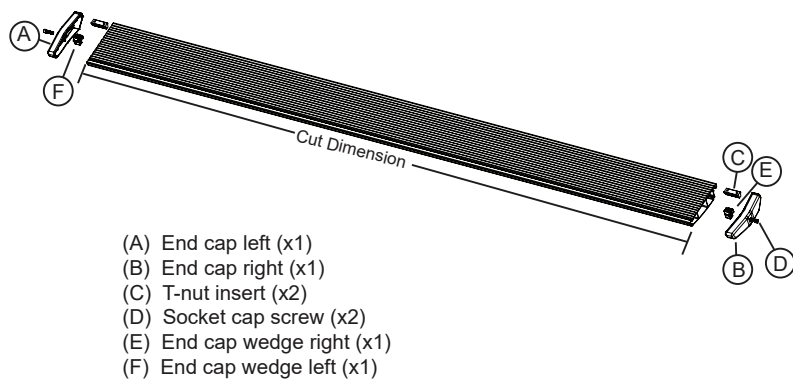
CAUTION: HANDLE WITH CARE.

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.

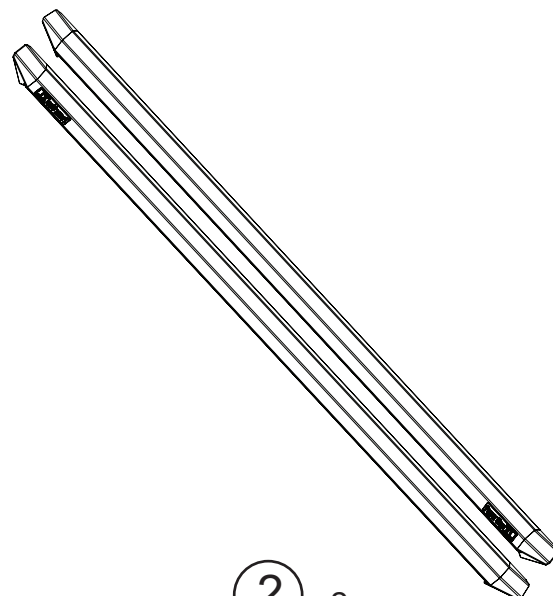
CAUTION: Dropping the assembly or any excessive impact MAY cause damage to the motor.

Instructions:

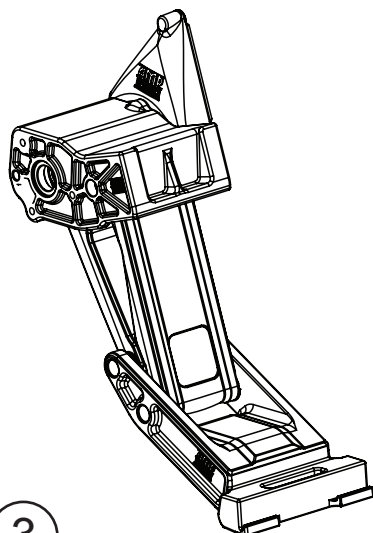
1. Position the gear cover in place as shown if not already in place.
2. Seat motor into position on the three mounting bosses. This may require an adjustment of the gear by moving the swing arms.
3. After seating into place, fasten the motor with the three motor mount screws with 4mm Hex Head. Tighten screws to 36 in-lbs (4N-m). **Do not over torque.**



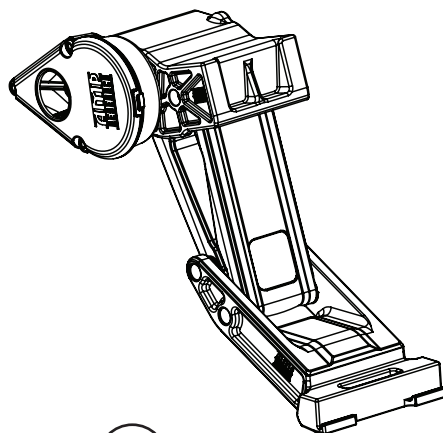
1 x2
 Running board assembly



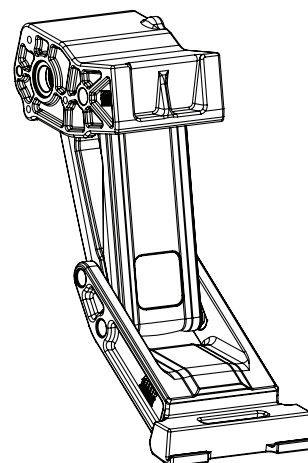
2 x2
 Rail Assembly



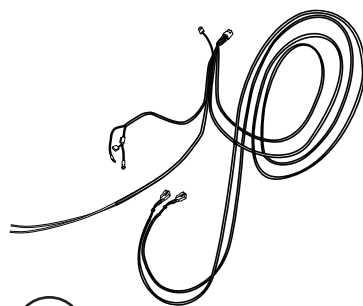
3
 Motor Linkage assembly
 Passenger



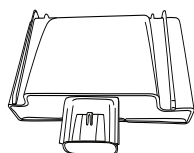
4
 Motor Linkage assembly
 Driver



5 x2
 Idler Linkage assembly



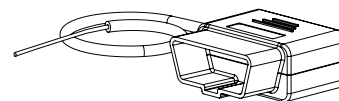
6
 Wire harness



7
 Controller SSA



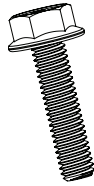
8
 Posi-Lock™



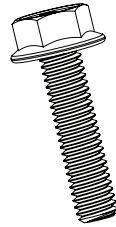
9
 OBD II Plug
 (Smart Series)



⑩ x6
M5 Washer



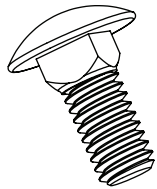
⑪ x4
M6 Flange Bolt



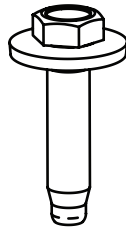
⑫ x4
5/16 Flange Bolt



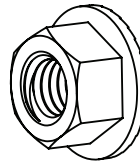
⑬ x8
Socket Cap Screw



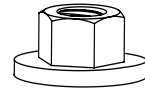
⑭ x12
5/16-18
Carriage Bolt



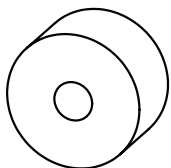
⑮ x8
M8 Hex Bolt w
Conical washer



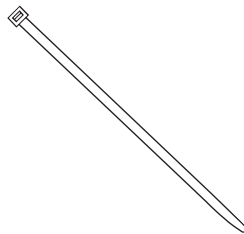
⑯ x16
5/16-18
Flange Nut



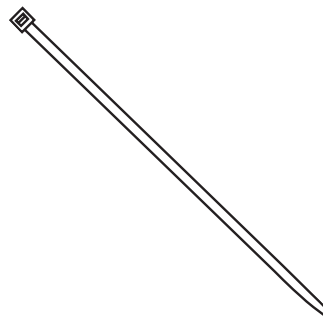
⑰ x12
Nut with Conical
Washer



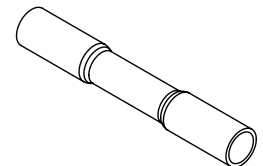
⑱ x4
Upper Mount
Spacer



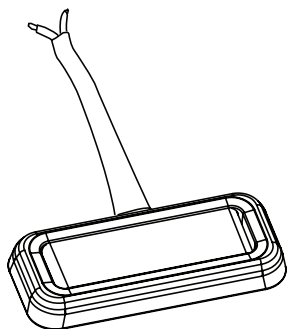
⑲ x20
Cable tie (7'')



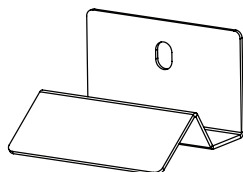
⑳ x2
Cable tie (11'')



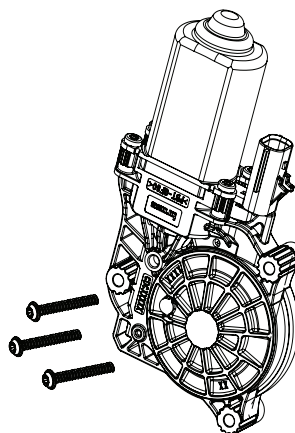
㉑ x8
Butt Connector



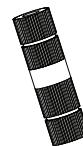
(22) x4
LED Lamp



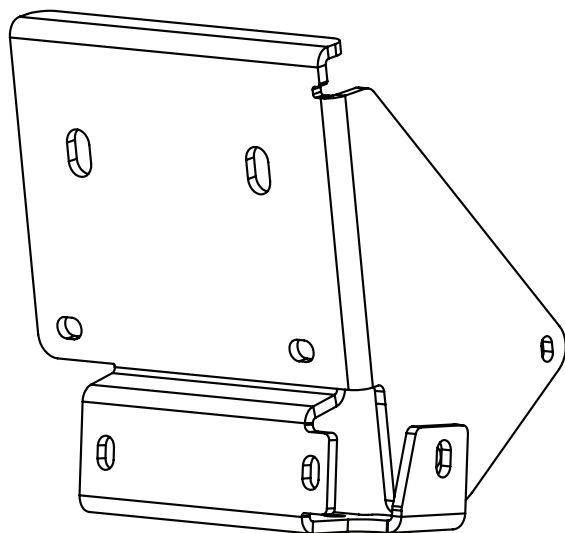
(23) x4
LED Light Bracket



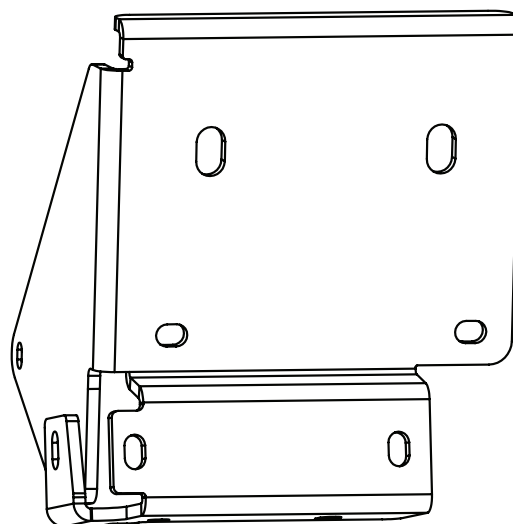
(24) x2
Motor kit



(25) x2
Posi-Tite®



(26) x2
Linkage Mounting
Bracket Driver

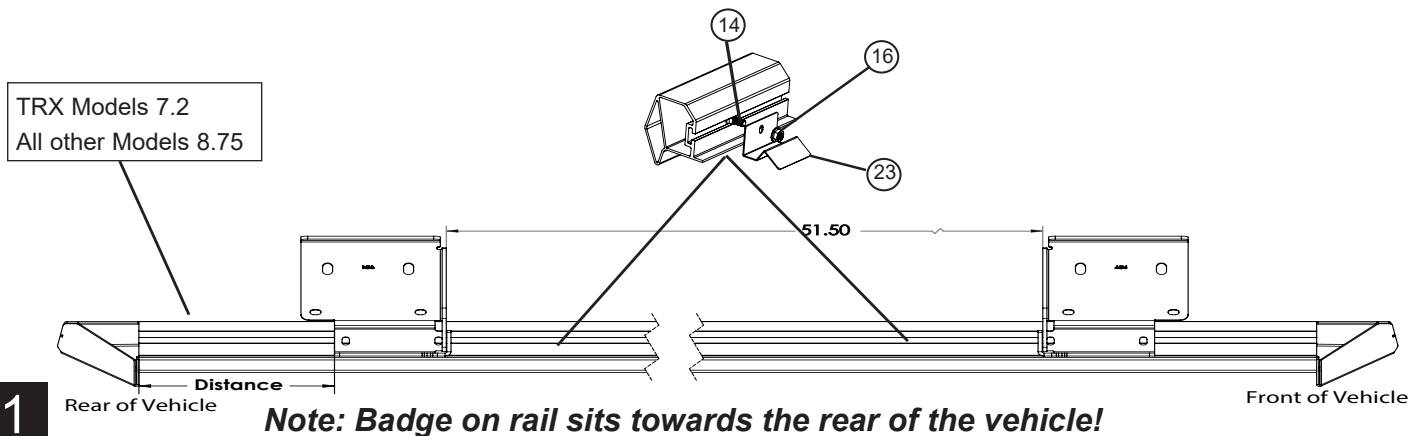


(27) x2
Linkage Mounting
Bracket Passenger

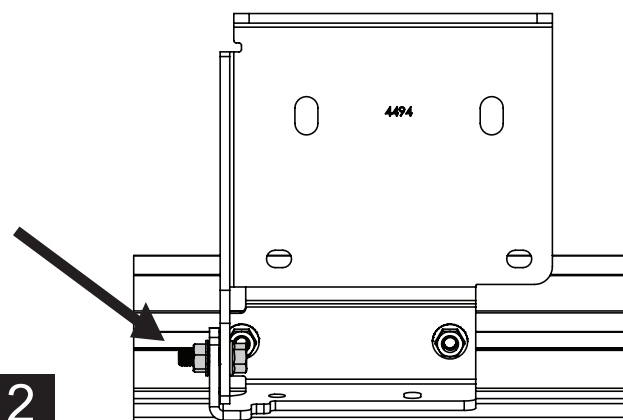
REALTRUCK AMP RESEARCH POWERSTEP XL™ – DODGE RAM

Insert and position 6 Carriage bolts (14) into slot on rail (2). Insert from either end of rail. Using Flange Nuts (16) provided assemble Brackets (26 & 27) onto the rail (2) using the 2 outer bolts for each bracket. Next install Light Bracket (23) using Flange Nut (16), leave loose to allow for adjustment. Driver side shown. Dimensions shown are for reference.

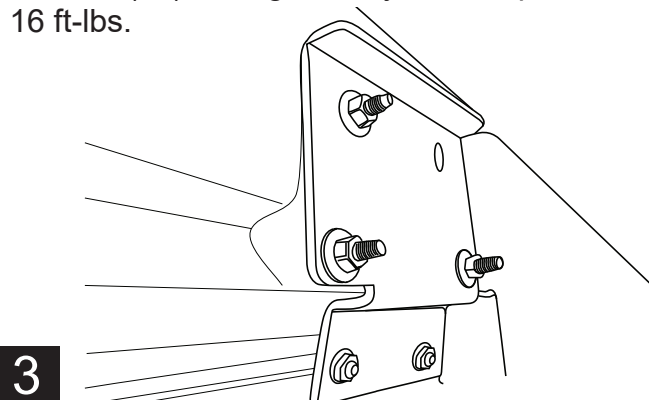
Do not tighten this will allow for rail adjustment when mounted onto vehicle.



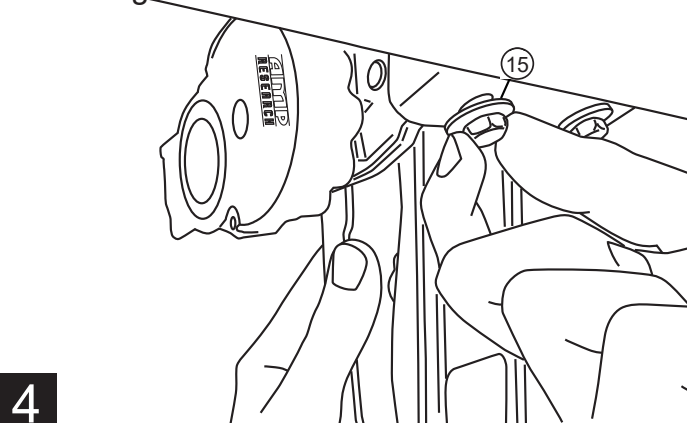
Install Flange head bolt (12) and Flange Nut (16) onto bracket tab as shown. Do not torque to allow for future adjustments.



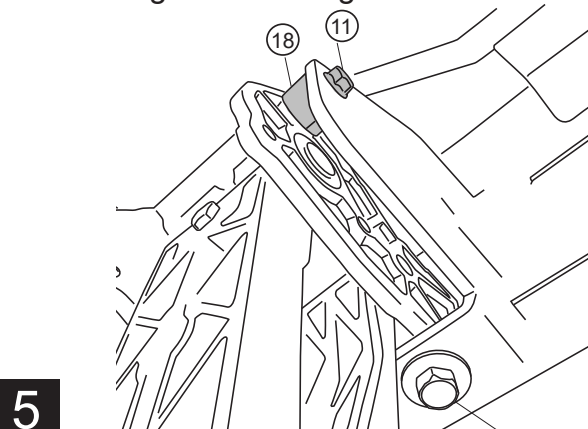
Set rail up into position. Starting with the rear bracket work towards the front bracket. Slide Brackets over captive studs and use provided Nuts 6x (17). Snug to body and torque to 16 ft-lbs.



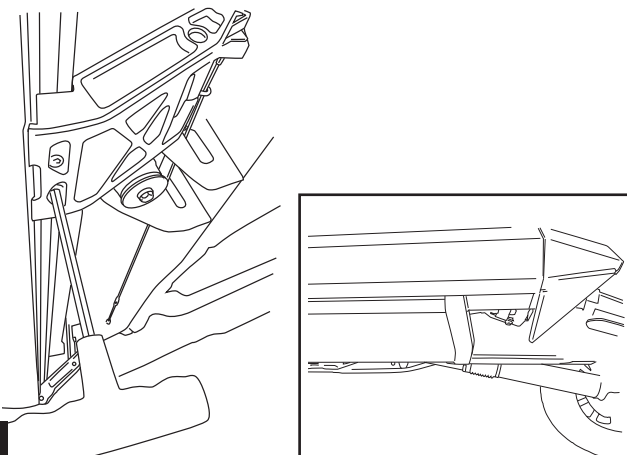
Thread supplied bolts 2x (15) into Front Drive Linkage. Repeat step for Rear Idler Linkage. Do not tighten.



Install provided spacer (18) and M6 bolt (11) into upper mount as shown on both the Drive and Idler linkages. Do not tighten.

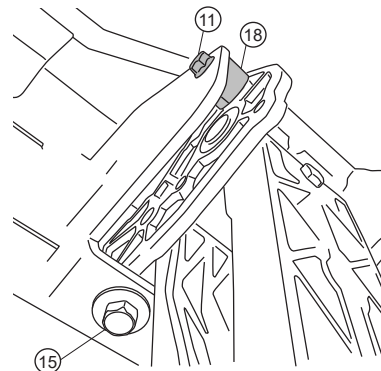


Slide mounting T-nut into position, Center board in rail pocket. Tighten fasteners to 10 ft-lbs.



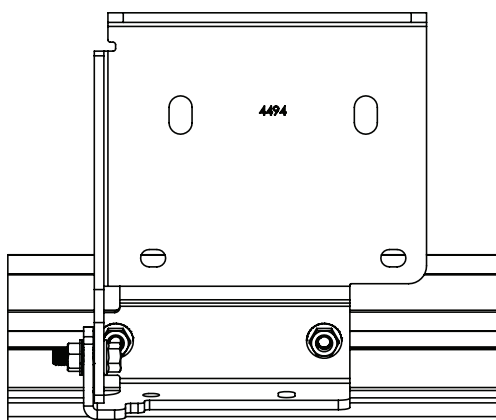
6

Using a 13mm socket, torque linkage bolts 4x (15) from step 4 to 16 ft-lbs. Next use a 10mm socket, torque linkage spacer bolt 2x (11) from step 5 to 8 ft-lbs. Once linkages are tight cycle board to verify steps deploy under own weight.



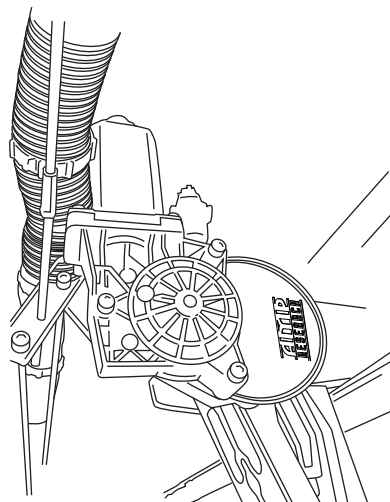
7

Once linkages are tightened to the bracket tighten bracket tab Flange bolt (12) and Nut (16). Torque to 16 ft-Lbs.



8

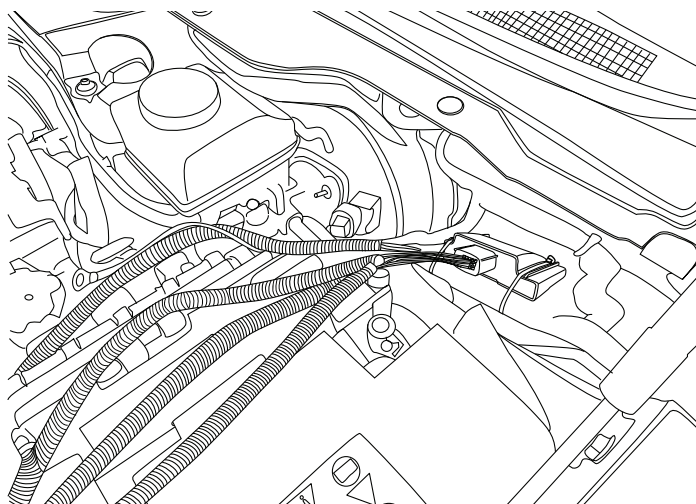
Attach motor to linkage. See page 2 for torque specs.



9

Attach wire harness to controller (7) (make sure connector locking tabs fully engage). Mount controller with the two 11" tie wraps (20) to factory conduit, just rearward of battery.

Remove fuses from Power Step Wire Harness.

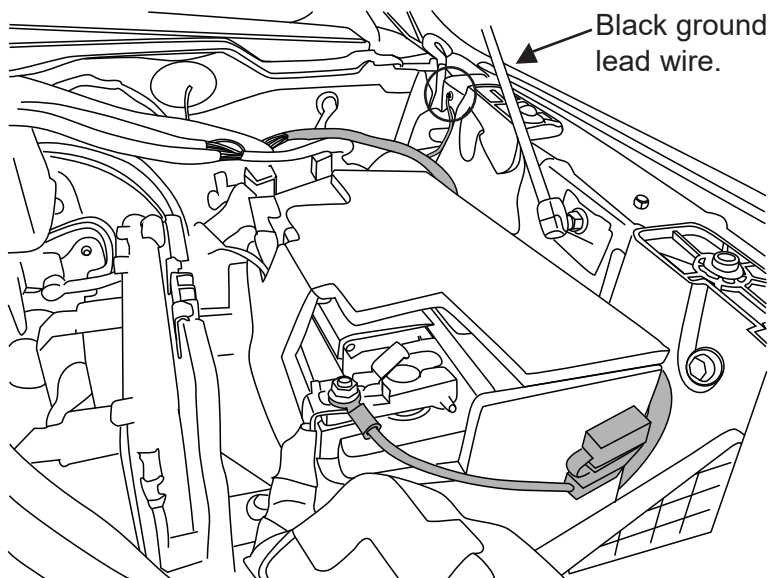


10

Connect red power lead to battery.
Connect black ground lead to 13mm
bolt outside of fender wall.

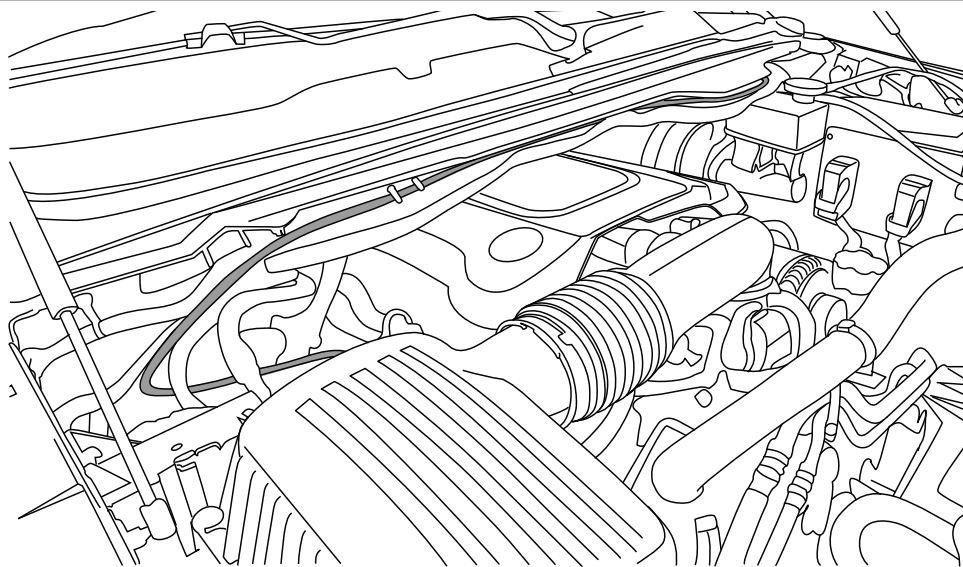
Note: Do not connect Black ground
wire to battery terminal! This can
cause intermittent issues.

Secure with cable ties(19).



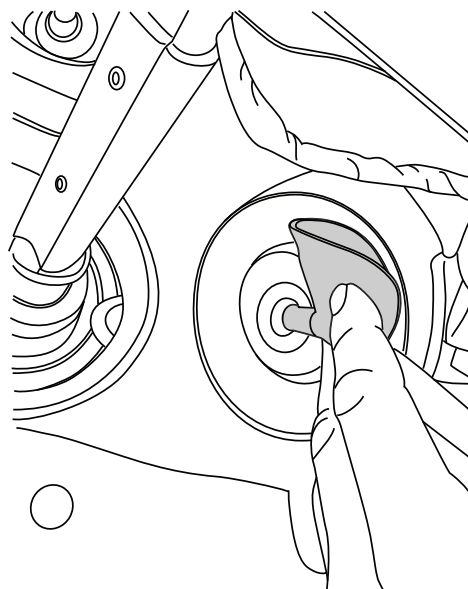
11

Route shorter leg of
harness down Driver-side
wheel well and longer leg
of harness across firewall
and down along passenger
side wheel well. Attach
wire harness with supplied
7" cable ties (19).



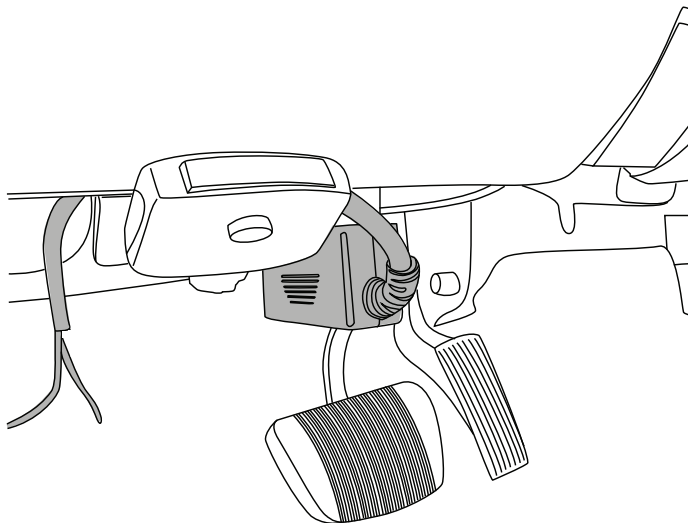
12

Locate rubber boot to the left of the
steering column. Poke hole to fish
trigger wires thru.



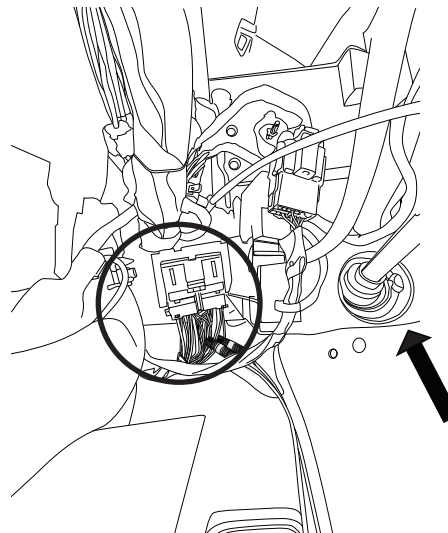
13

Plug OBD (9) to port, tuck wires up and away to prevent snagging when entering and exiting the vehicle.



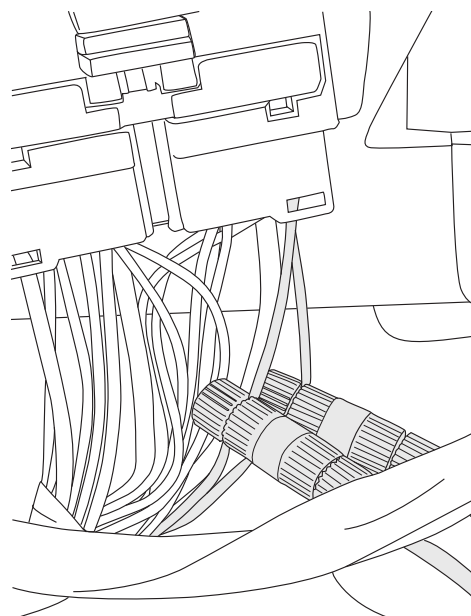
14

Locate the grey plug to the left of the steering column near the firewall area.



15

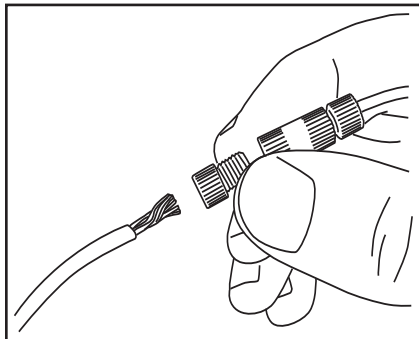
Locate the blue with white stripe wire, and the tan wire to the right end of the plug. Use supplied posi-taps (25) to connect the blue wire on the DSM to the Tan wire on the factory plug. Next, connect the white wire on the DSM to the Blue with white stripe on the factory plug.



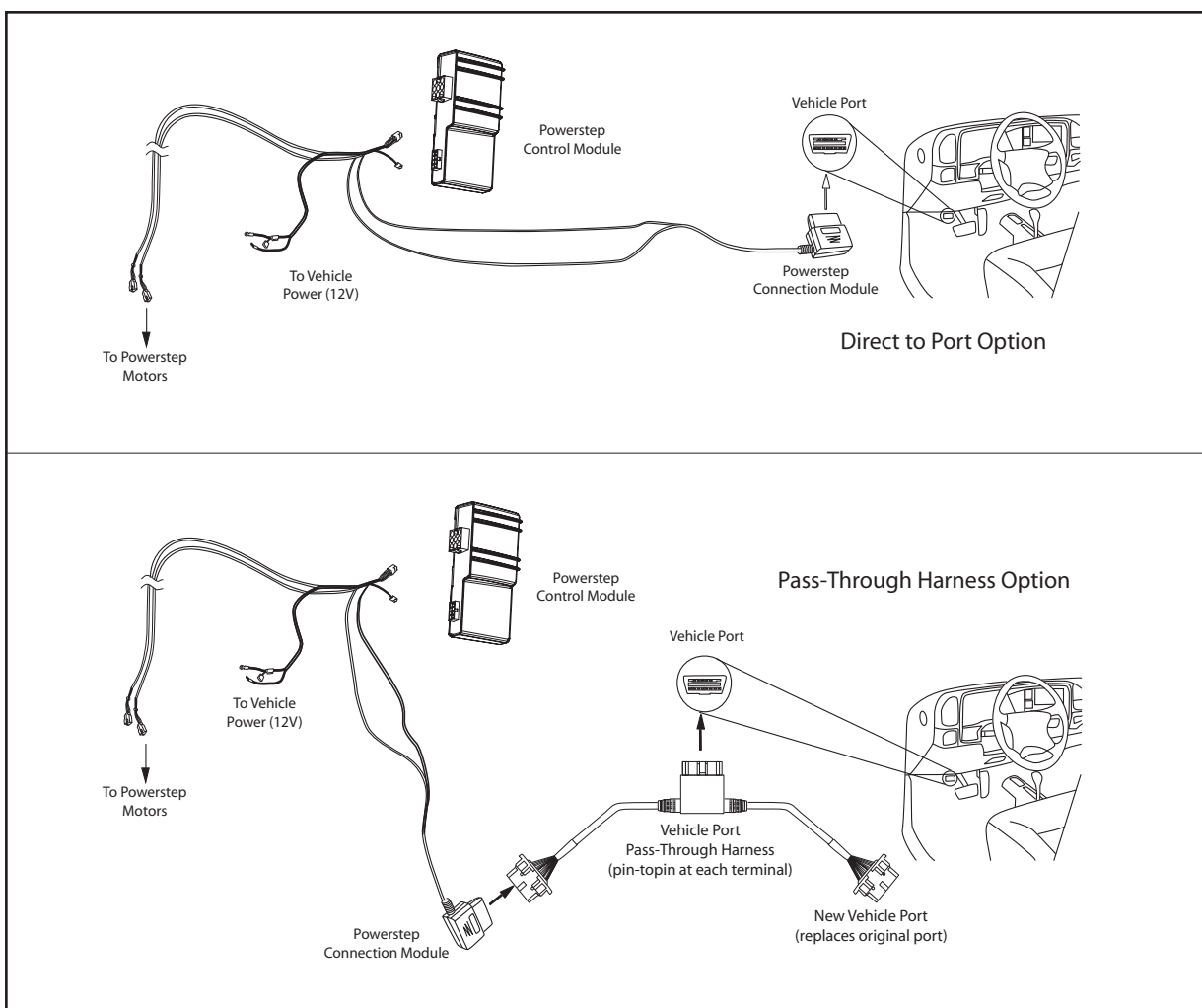
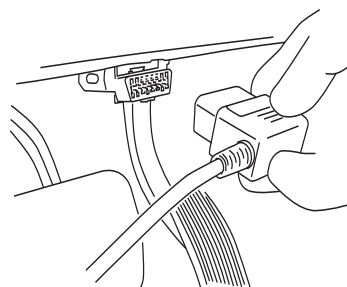
16

OBD II install: Use Supplied Posi-Lock® connector (8) 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.

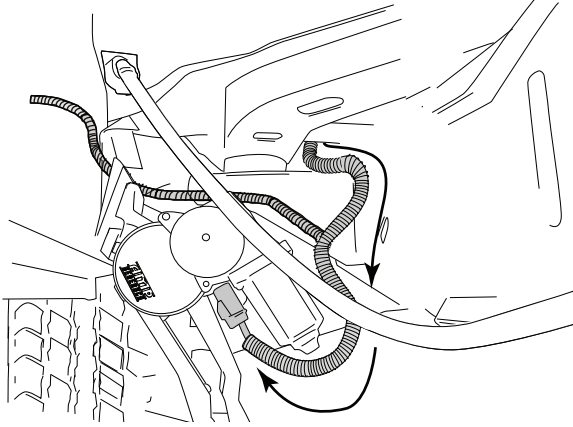


OBD II Connector located below steering column.



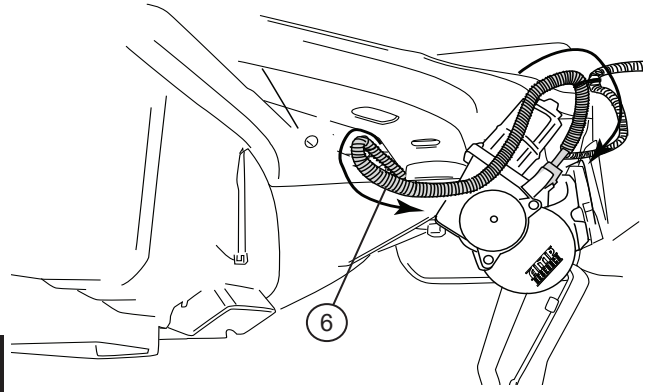
REALTRUCK AMP RESEARCH POWERSTEP XL™ – DODGE RAM

On driver side, run Wire Harness leg down and along underside of the vehicle floor and frame to front Drive Linkage. Connect harness to motor and secure harness with tie wraps. Route remainder of wire harness towards rear linkage assembly for LED lights.



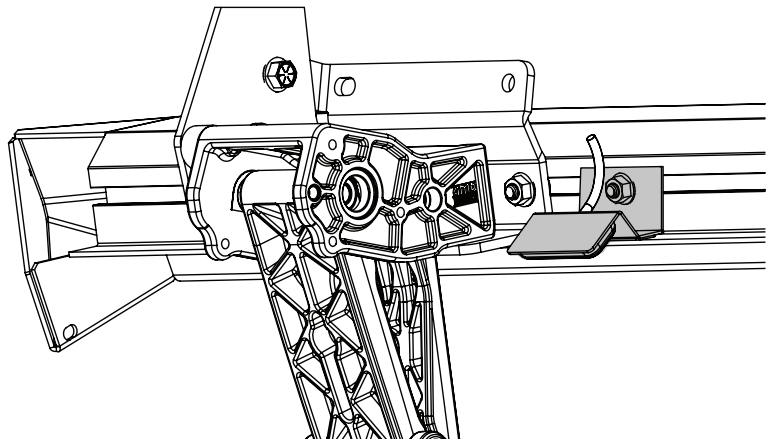
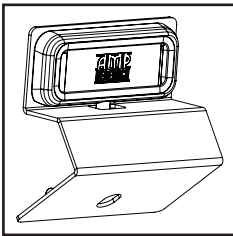
18

On Passenger Side, run Wire Harness leg down and along underside of the vehicle floor and frame to front Drive Linkage. Connect harness to motor and secure harness with tie wraps. Route remainder of wire harness towards rear linkage assembly for LED lights.



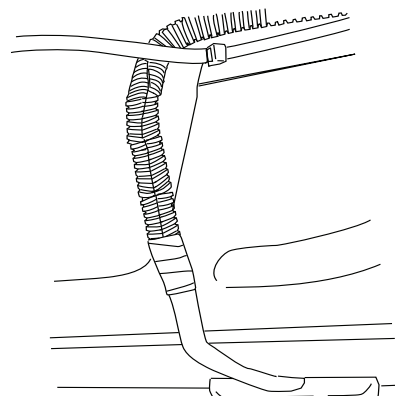
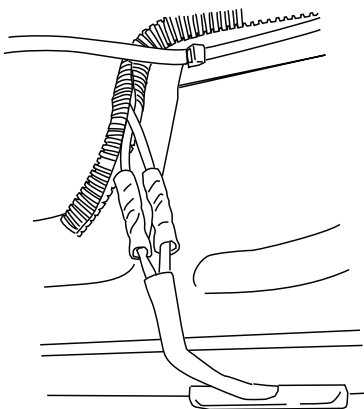
19

Affix LED lamp (22) to LED Bracket (23) as shown. Affix LED light bracket assembly to rail. Mount front light rearward of front linkage and mount rear light just forward of rear linkage.



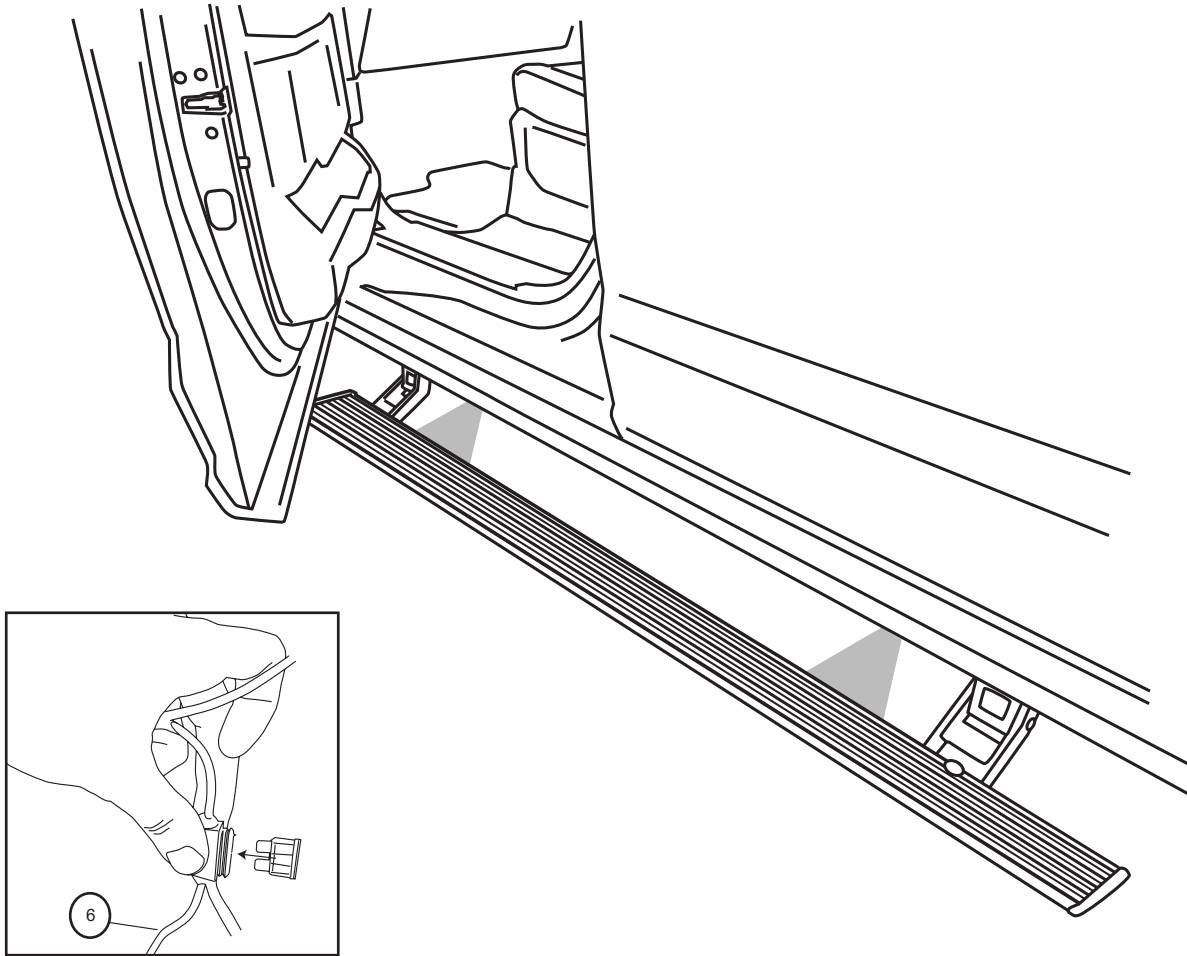
20

Using supplied butt connectors (21) connect the lamp wires. Red to Red, Black to Black. Once Crimped use heat gun to shrink tube. Close and wrap conduit with electrical tape. Secure all loose wires with cable ties. Pull lamp wires upward to avoid any wire snagging.



21

Reinstall Fuses and 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.



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Product Registration Benefits:

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- Faster and easier access to customer service and tech support in the unlikely event you need warranty or product support.
- Registration helps us keep you up to date on product information and offers.

To view other RealTruck products that may be offered for your vehicle.

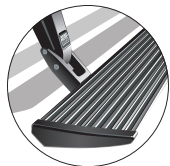
Please visit: www.realtruck.com

Rev 05.30.24

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.

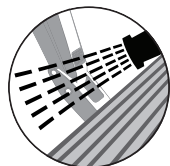
Automatic stop:

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.

