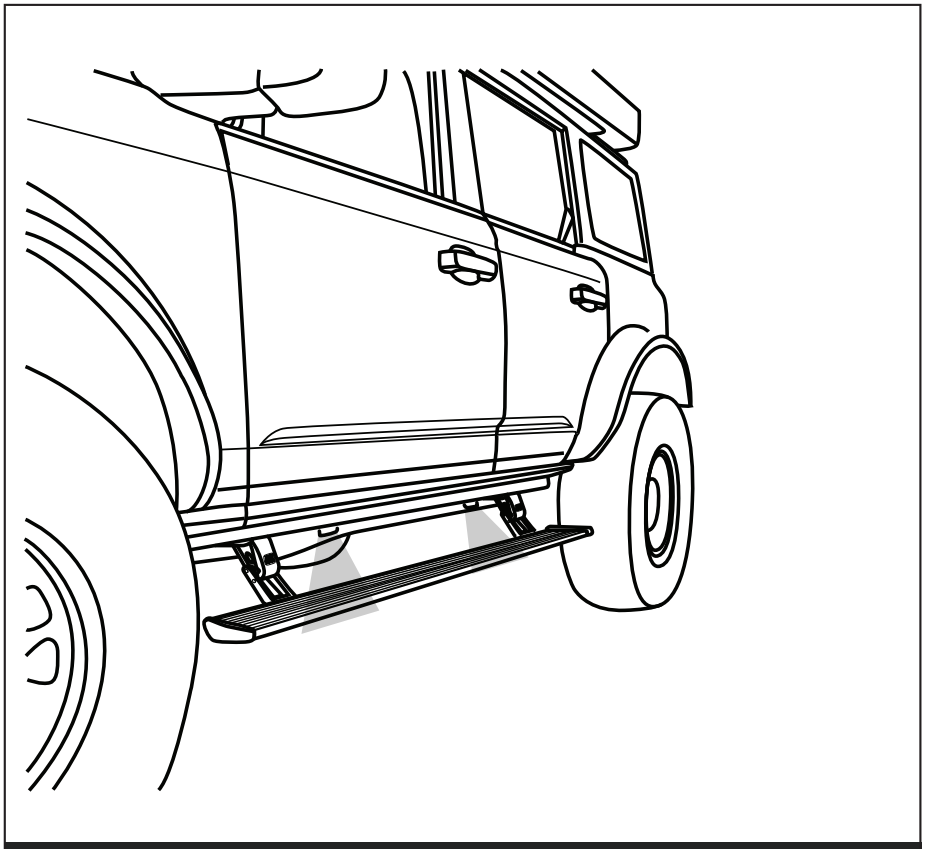
INSTALLATION GUIDE

APPLICATION	LENGTH	MODEL YR	PART #
Ford Bronco 4 Door	**72”**	**2021 - 2026**	**78140-01A**
Ford Bronco 2 Door	**55”**	**2021 - 2026**	**78140-01A**



Power Step XTreme

INSTALLATION TIME
3-5 Hours
Professional installation recommended

SKILL LEVEL
1 2 3 4
4= Experienced

TOOLS REQUIRED
- ❑ Safety goggles
- ❑ Measuring tape
- ❑ 10 mm socket
- ❑ 10 mm ratchet wrench
- ❑ 13 mm ratchet wrench
- ❑ 15 mm ratchet wrench
- ❑ Ratchet wrench and extension
- ❑ Pliers
- ❑ Wire crimpers
- ❑ Wire stripper / cutter
- ❑ 3/16” H ex key wrench (allen wrench)
- ❑ Electrical tape
- ❑ Weather proof caulking (silicone sealer)
- ❑ 1/8” Drill bit
- ❑ 9/32” Drill bit
- ❑ Drill
- ❑ Heat Gun
- ❑ 6” Extension
- ❑ T-25 Torx

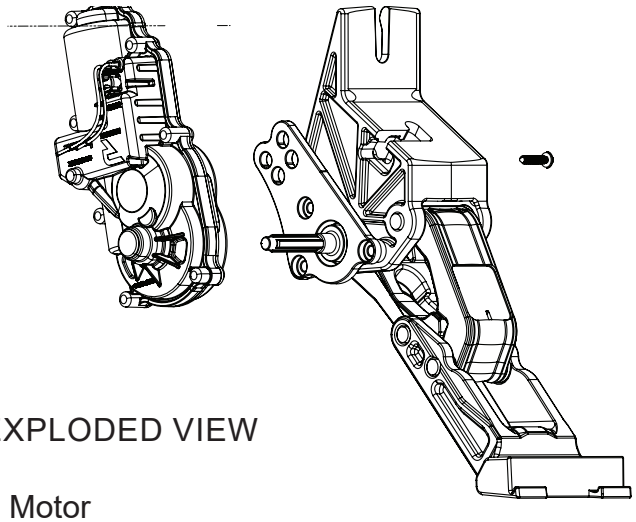
WARRANTY
5-Year Limited Warranty

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.

INSTALLATION GUIDE
Attaching motor to Linkage assembly

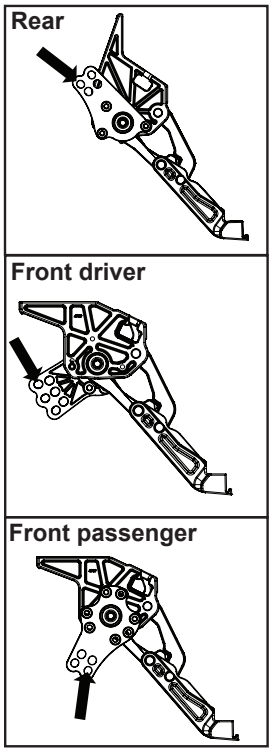
The motors must be attached to the front Linkages before installation. The Drivers side motor mounts on the opposite side of the linkage as the Passenger side motor does.



EXPLODED VIEW

- Motor
- Fastener
- Motor Linkage assembly

Motor Install Orientation



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. Slide motor on to drive shaft. **Note: Make sure to fully seat motor prior to next step.**
2. Fasten motor to the motor mounting plate using supplied PT Screw with T-25 Torx driver. Tighten screw to 60 in-lbs (6.8 N·m). **Do not over torque.**

Note:
The motor and shaft have only three possible positions. Depending on the current position of the motor, it may be necessary to power it in order to align it correctly with the linkage and shaft during assembly so that the motor can be mounted to the mounting plate.
To do this:

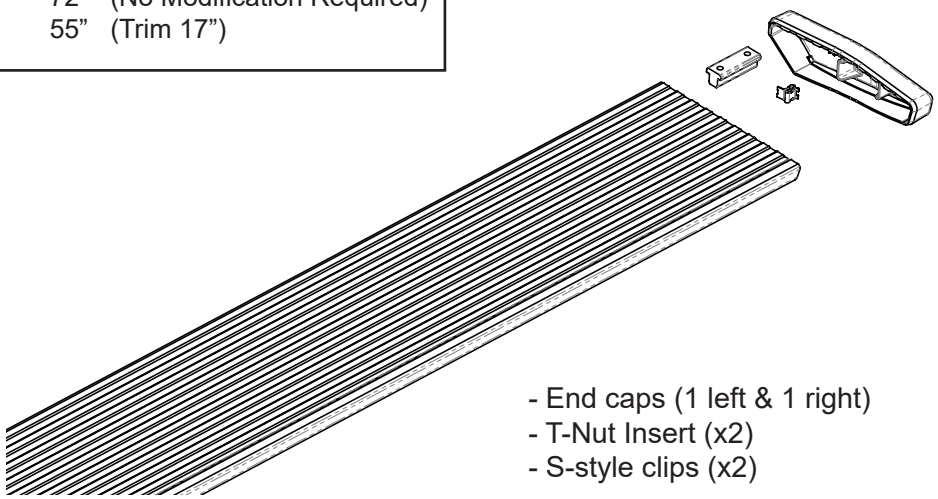
1. Power up the motor.
2. Open the door to allow the motor to spin and reposition.
3. Once the motor times out, remove the fuse.
4. Assemble the motor onto the shaft.
5. Fasten motor to mounting plate.

This process may need to be repeated to achieve the correct alignment.

Note: Some Applications require modification.

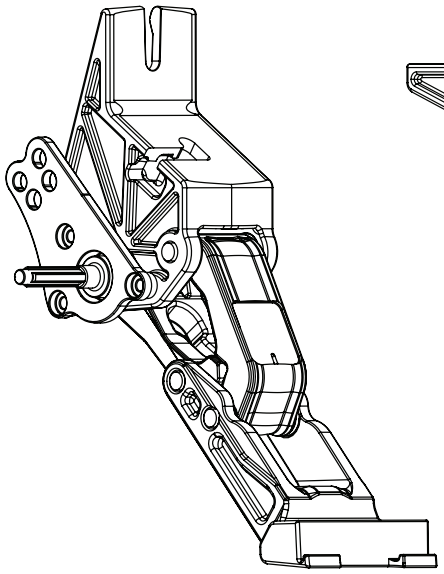
Application	Cut Length
Bronco 4 Door	72” (No Modification Required)
Bronco 2 Door	55” (Trim 17”)

COMPONENT/PARTS IDENTIFICATION

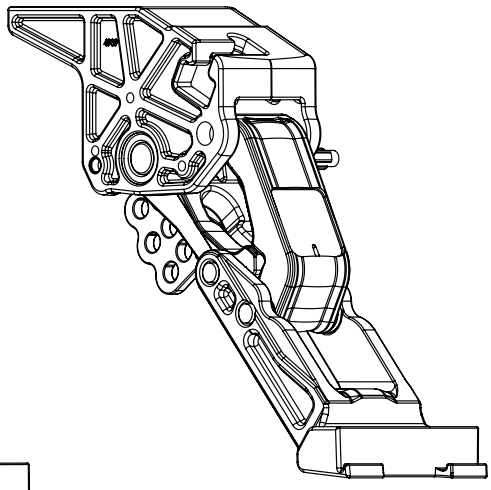


(1) x2
Running Board assembly

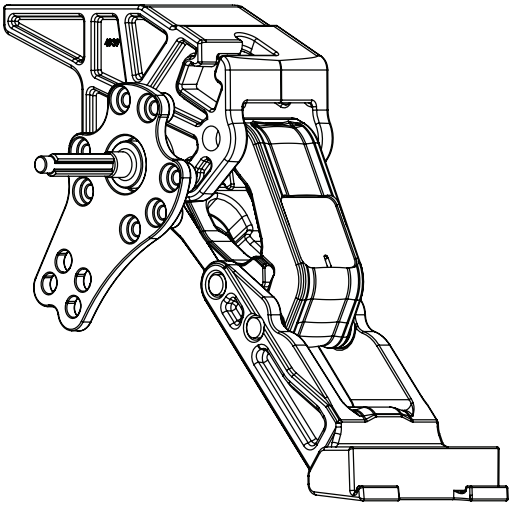
- End caps (1 left & 1 right)
- T-Nut Insert (x2)
- S-style clips (x2)



(2) x2
Motor Linkage Assembly (Rear)

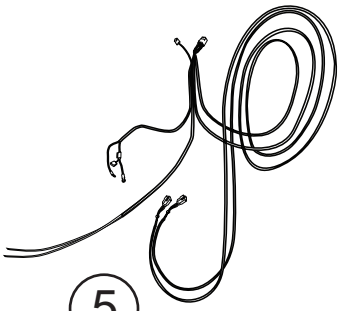


(3)
Driver side (Front)

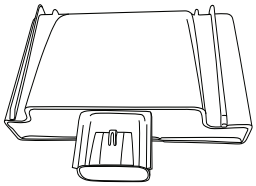


(4)
Passenger side (Front)

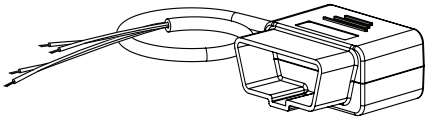
COMPONENT/PARTS IDENTIFICATION



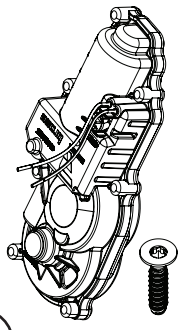
5 Wire Harness



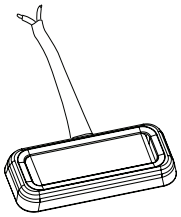
6 Controller SSA



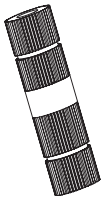
7 ODB II Plug



8 x4 Motor Assembly kit

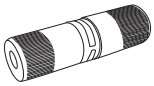


9 x4 LED Lamp

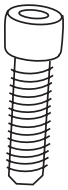


10 Posi-Lock™(Grey)

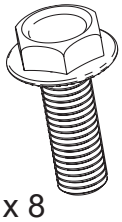
11 x2 Posi-Tap™ (Red/Black)



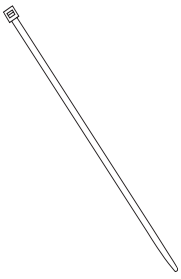
12 x8 Posi-Tite®



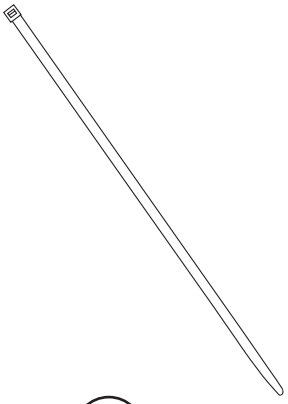
13 x8 Socket Cap Screw



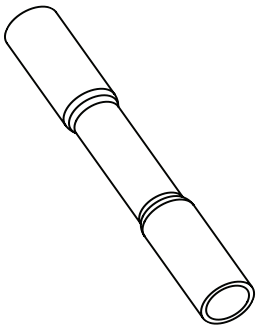
14 x 8 Hex Flange Bolt



15 x20 Cable Tie 7”



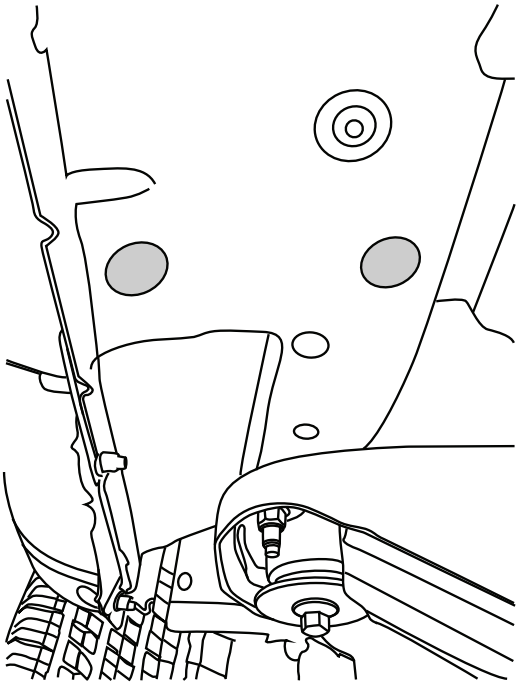
16 x2 Cable Tie 11”



17 x8 Butt Connector

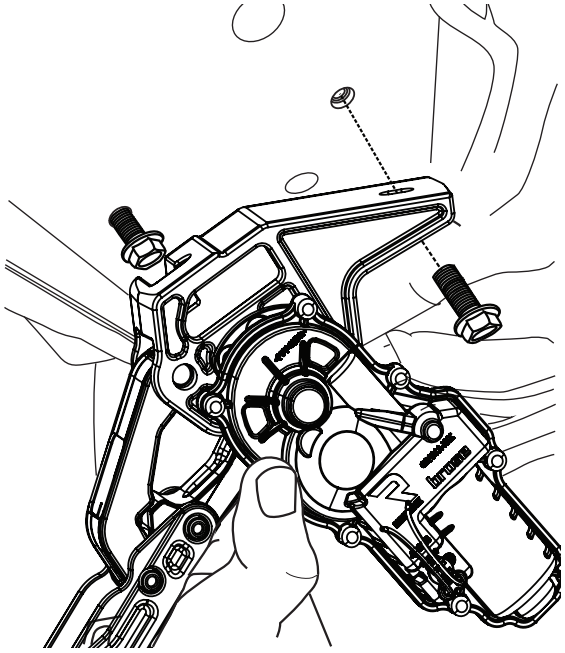
18 x4 Grommet

Locate **Front Motor linkage** location. If plastic plugs are present remove plastic plugs to expose threads.



1

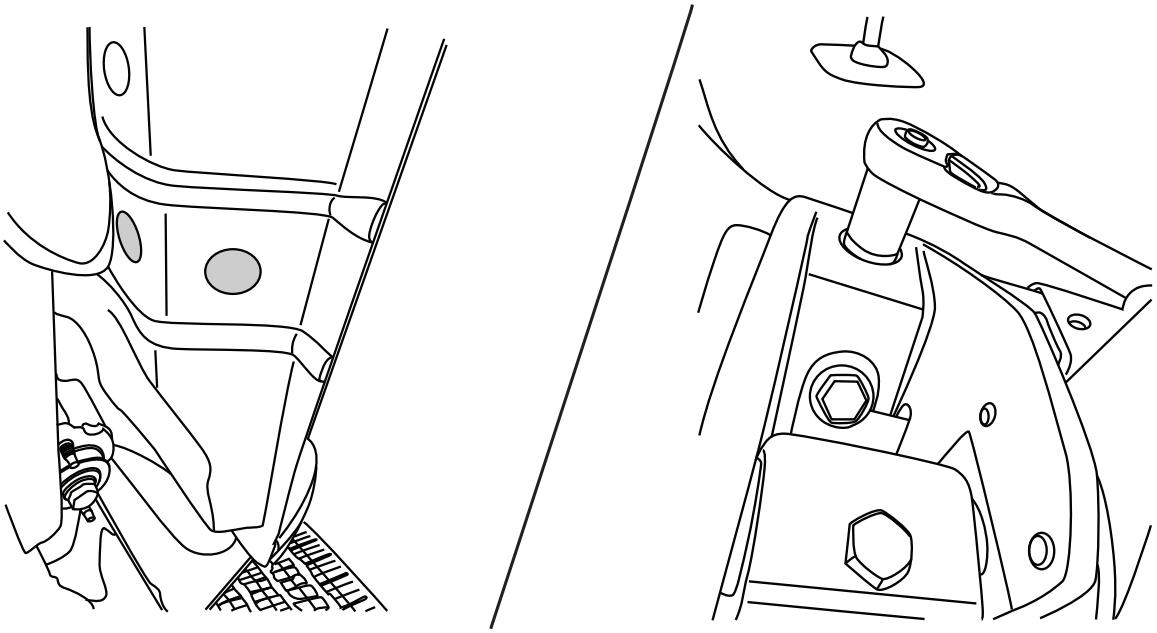
Pre thread supplied M10 flange bolt (14) and hook linkage (3. for driver side, 4. for passenger side) over bolt as shown. Once linkage is in position thread in rear linkage mounting bolt (14). Snug up bolts but do not torque.



2

Locate **Rear Drive linkage** location. If plastic plugs are present remove plastic plugs to expose threads.

Pre thread supplied M10 flange bolt (14) and hook linkage (2) over bolt as shown. Once linkage (2) is in position thread in rear linkage mounting bolt. Snug up bolts but do not torque.

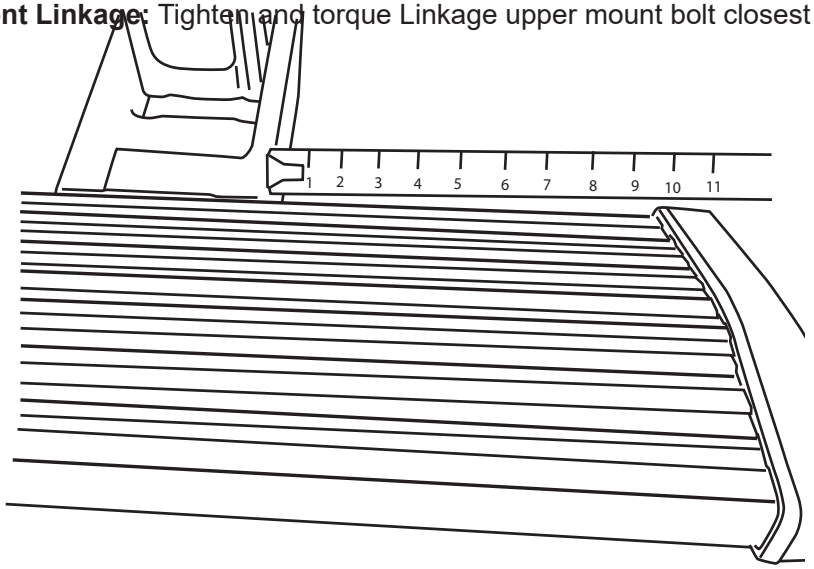


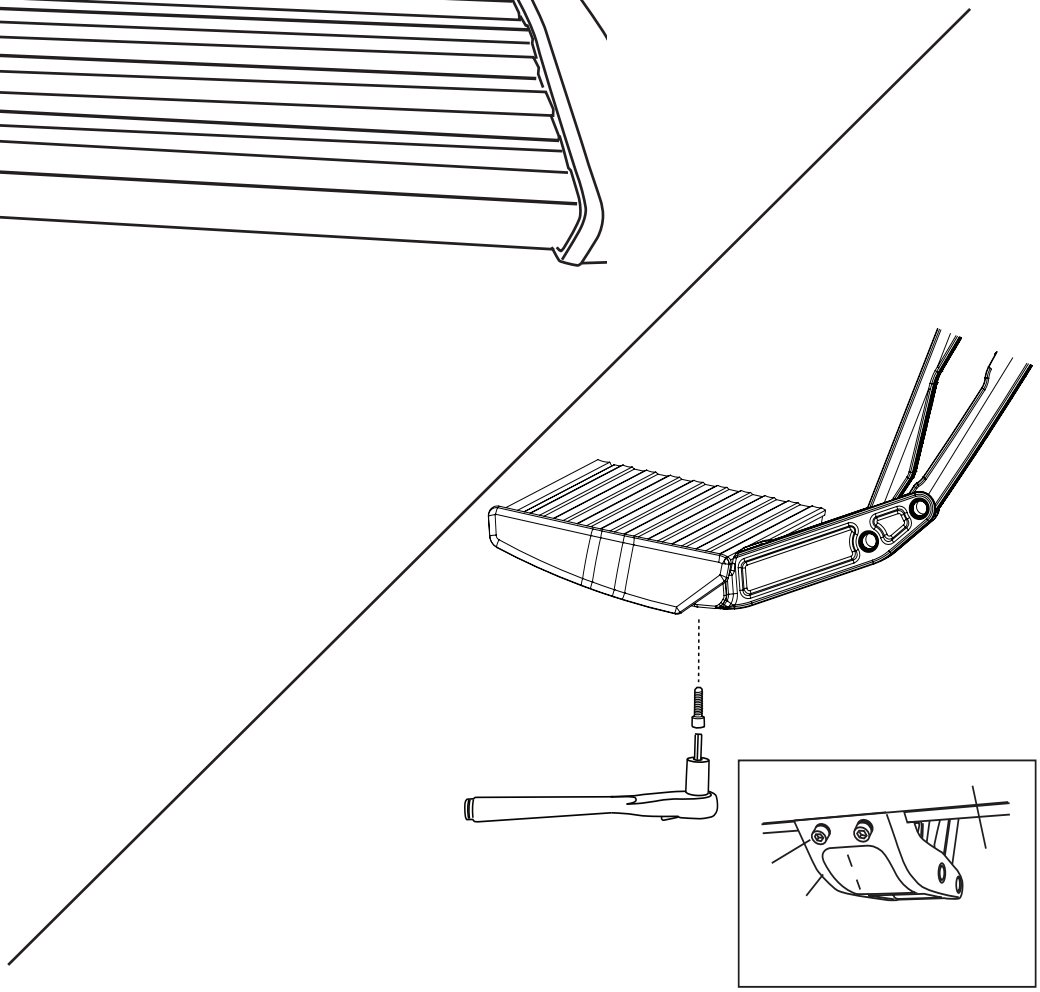
3

Install Running Board (1) to linkages.
Measure approx. 9.5” from back of linkage to tip of board.

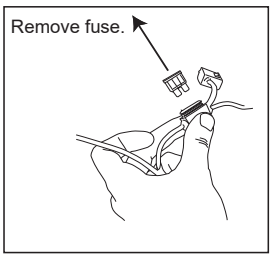
In order to prevent binding follow the steps below.

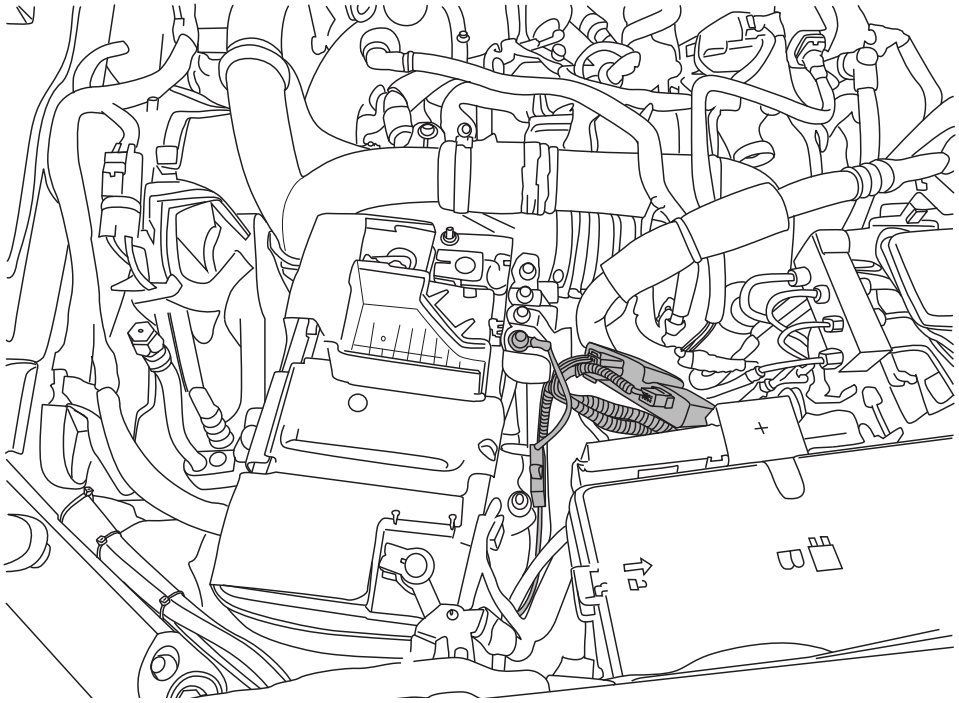
1. Tighten socket cap screws (13) with 3/16” Allen wrench. Torque to 10ft-lbs.
2. **Rear Linkage:** Tighten and torque Linkage upper mount bolt closest to pinch weld Torque to 30ft-lbs.
3. **Front Linkage:** Tighten and torque Linkage upper mount bolt closest to pinch weld. Torque to 30ft-lbs
4. **Rear Linkage:** Tighten and torque Linkage upper mount bolt closest to floor of cab. Torque to 30ft-lbs.
5. **Front Linkage:** Tighten and torque Linkage upper mount bolt closest to frame of truck. Torque to 30ft-lbs.





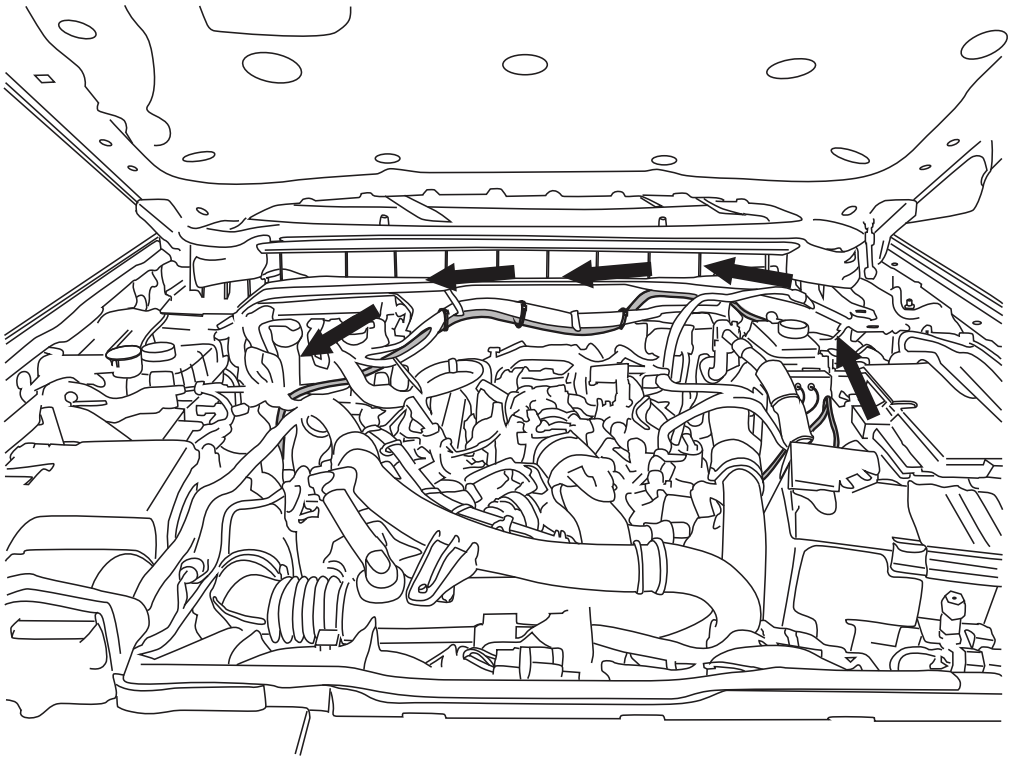
Remove Fuse from powerstep wire harness. Mount controller using supplied zip ties (16) to harness in front of battery as shown. Connect positive leads from harness. Red to positive battery terminal and black to body ground.





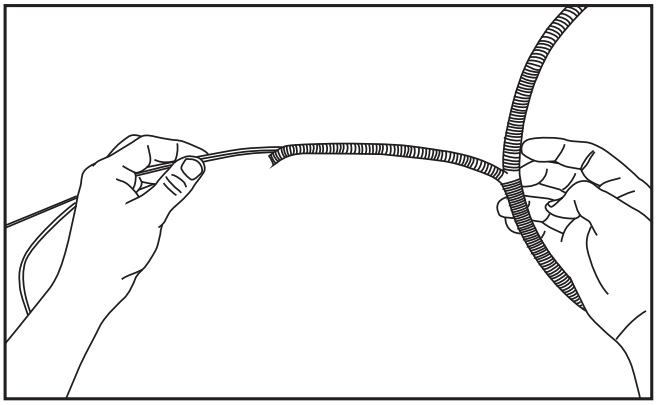
5

Route the two wire harness legs down over to each wheel well. Long leg will run across to passenger side, short leg will run down to driver side. Ensure loom is free from steering and exhaust components. Secure with zip ties (15).

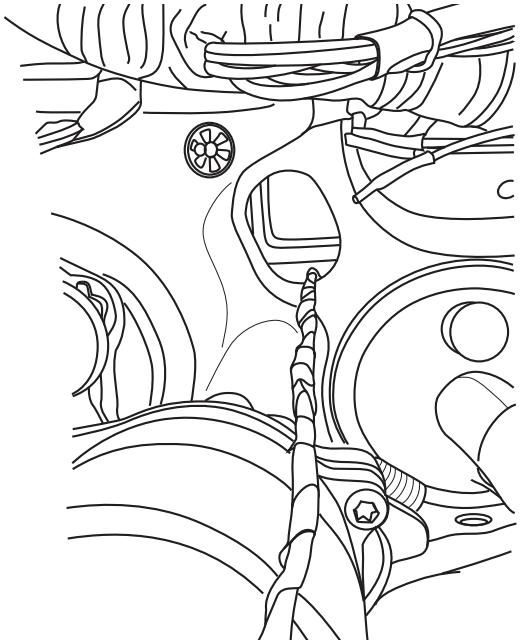


6

Peel back small conduit with 2 purple wires inside to approx. 8” from junction. Trim excess conduit and tape end. This will allow wires to be exposed beyond the grommet when inserting into the cab of the vehicle. Excess wire will need to be trimmed for this application after being inserted into the vehicle.

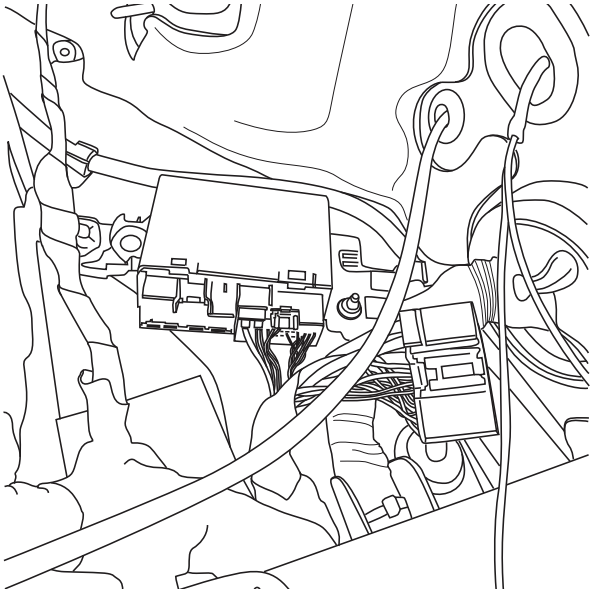


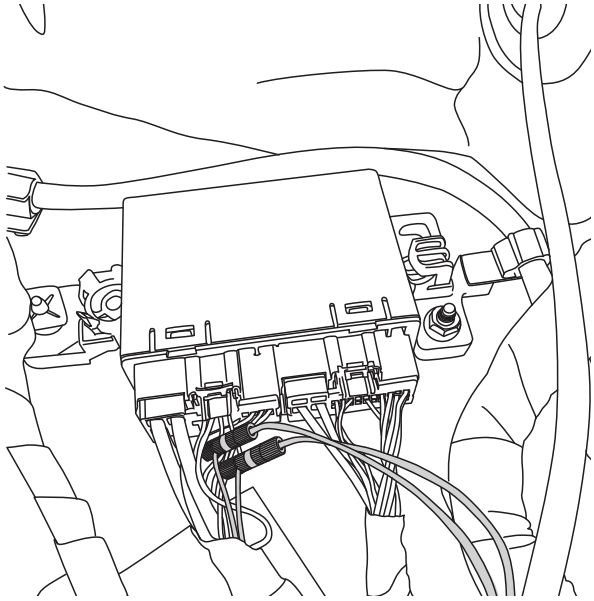
Locate oval grommet on driver side of firewall and push out. Poke small hole in grommet and thread trigger wires into cab of vehicle.



7

Locate the following wires and connect with supplied Posi-Tap™ to the following wire colors listed below.

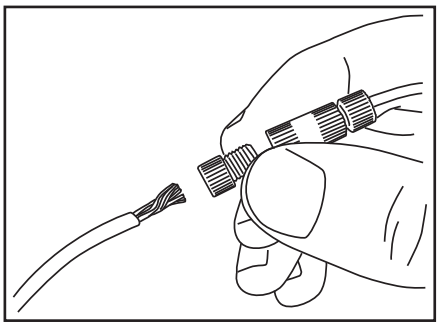




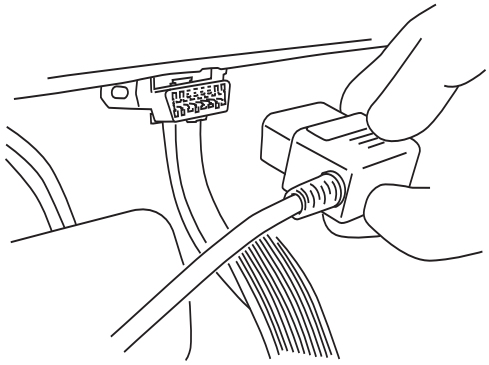
2021 - 2026	
Factory Can Wire	**OBD Module Wire Color**
Grey with Orange Stripe	White Wire
Purple with Orange Stripe	Blue Wire

8

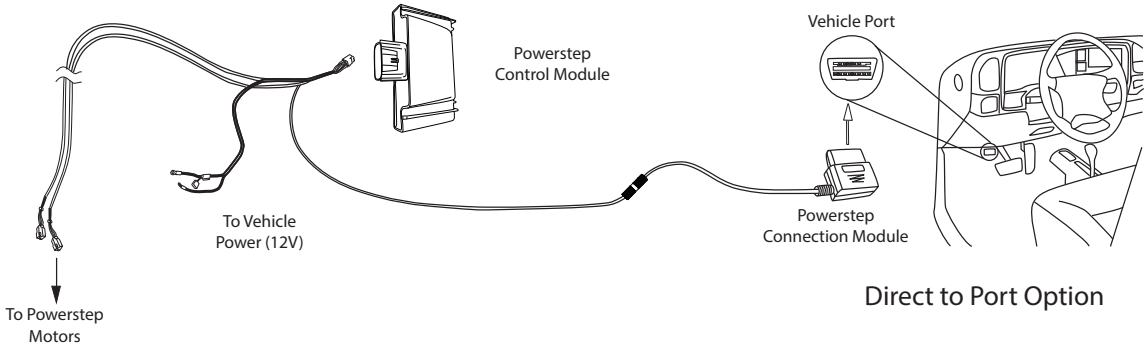
Wire OBD II connector with Posi-Splice.



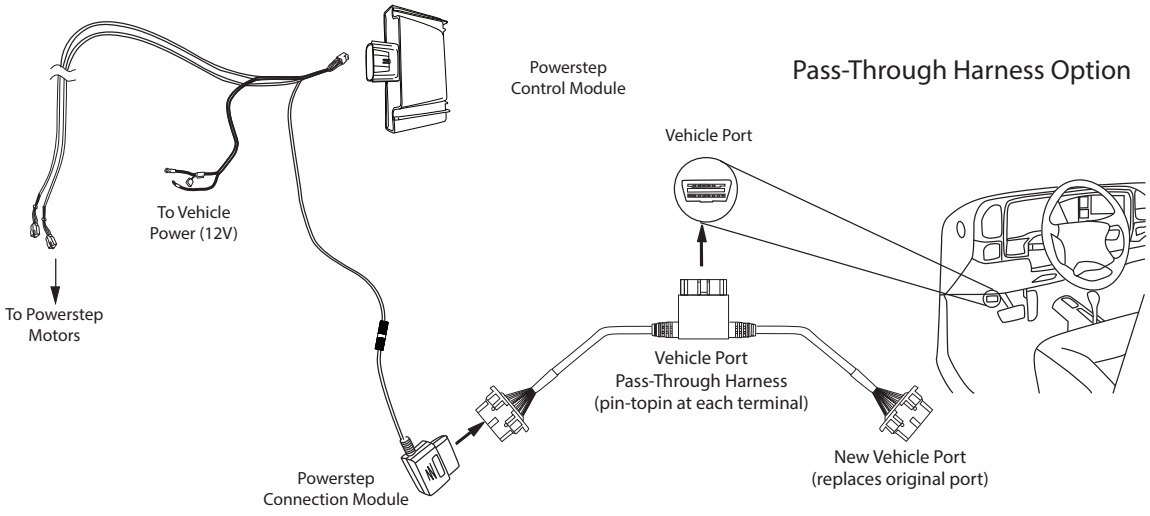
OBD II Connector located below steering column.



OBD II install: Use Supplied Posi-Lock™ connector (10) 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 below for a brief description.***

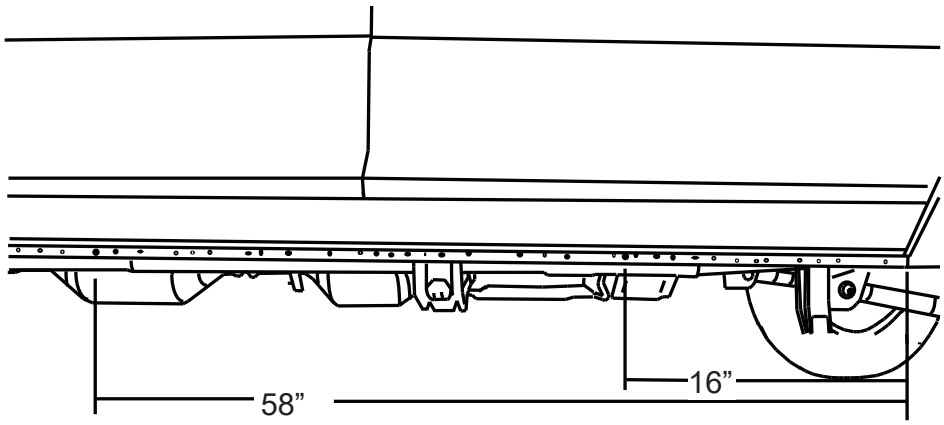


Direct to Port Option



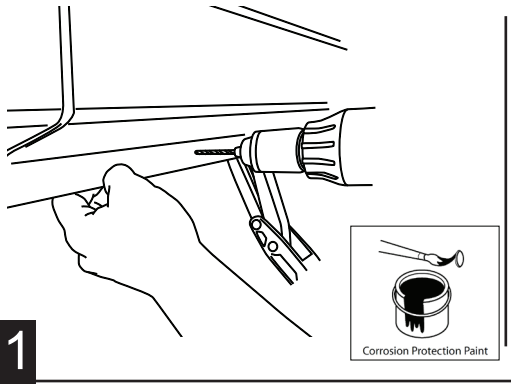
For 4 Door Bronco and Ranger. On each side of the vehicle measure from the front edge of door line on the pinch weld to the specified lengths below. Measure at 16” for the front LED Light and 58” for the rear LED

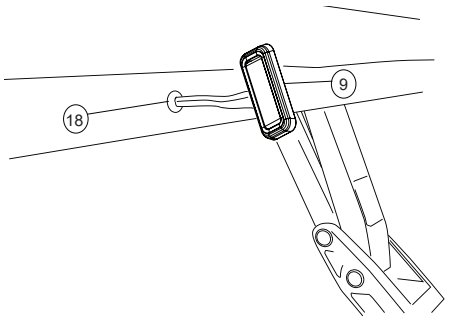
NOTE: For 2 Door Bronco, measure at 16” for front LED Light and 38” for the rear LED Light.

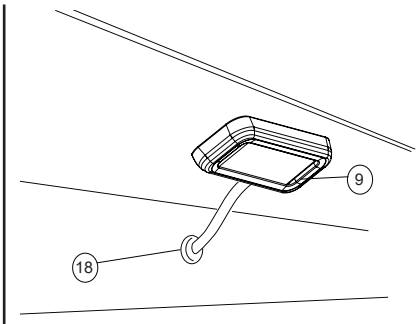


10

- Drill a 9/32” hole through the pinch weld at marked locations. Deburr all holes. After drilling apply paint to holes to prevent rusting.
- Insert grommet into drilled holes. Insert lamp wires through the grommets. (Silicon lube will help wires slip through grommets).
- Affix lamp to rocker panel surface. Make sure lamp is affixed to a flat, clean surface.

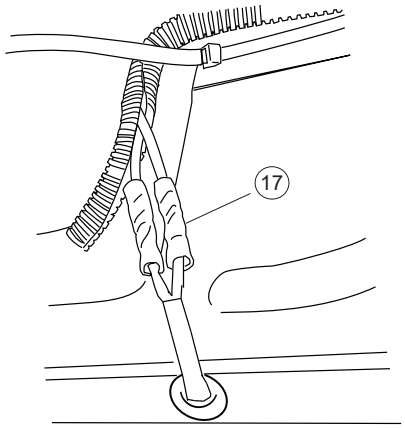


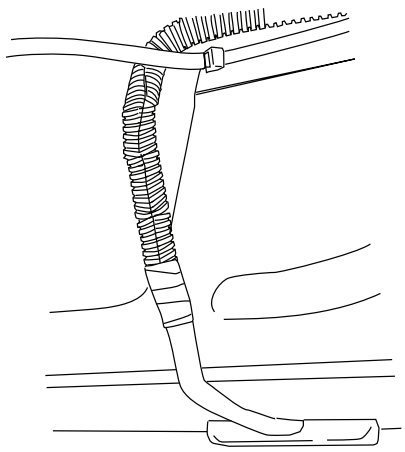




11

Using supplied butt connectors (17), 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.





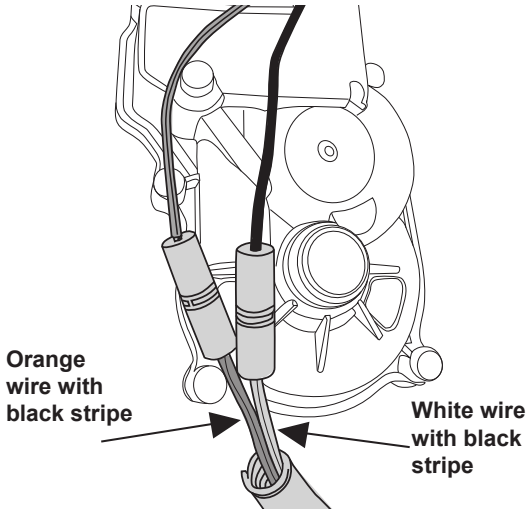
12

Method A for Driver rear & passenger front and rear.
Method B for Driver front

A. Motor spinning the shaft clockwise direction:

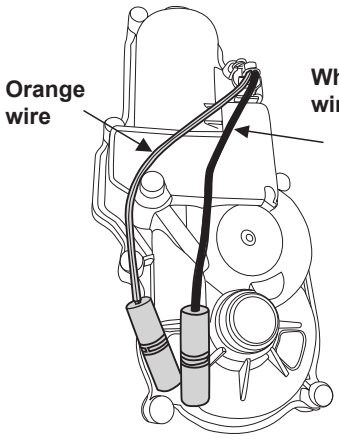
1) First, install one Posi-Tite® (12) onto white wire from the motor. See image on right.

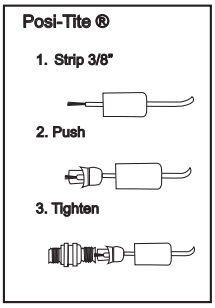
2) Install second Posi-Tite® (12) onto orange wire from motor. See image on right.



3) Next, connect the white wire with black stripe from the wire harness to the other end of the Posi-Tite® (12) that is connected to the all white wire from first step above.

4) Connect the Posi-Tite® (12) the orange wire from the motor with the orange with black stripe wire from the harness.

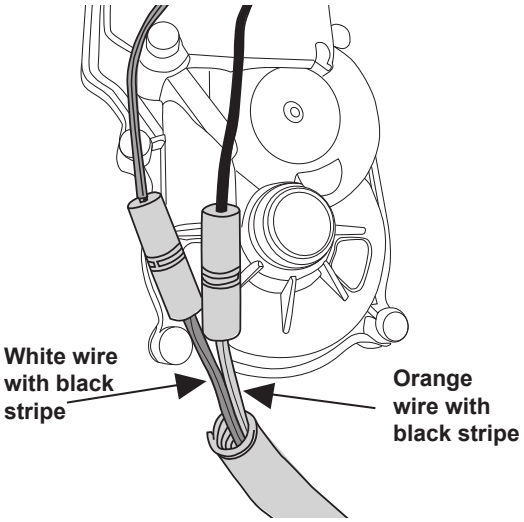




B. Motor spinning the shaft counter clockwise direction:

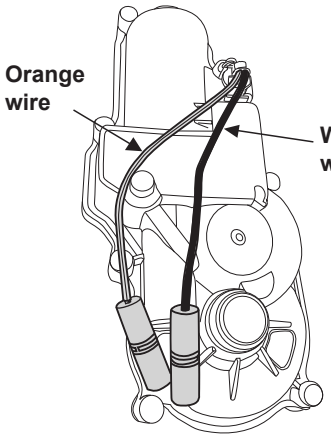
1) First, install one Posi-Tite® (12) onto white wire from the motor. See image on right.

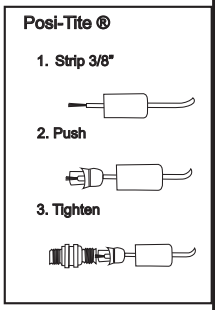
2) Install second Posi-Tite® (12) onto orange from motor. See image on right.



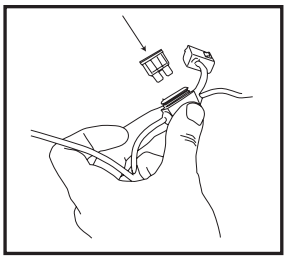
3) Next, connect the orange wire with black stripe from the wire harness to the other end of the Posi-Tite® (12) that is connected to the all white wire from first step above.

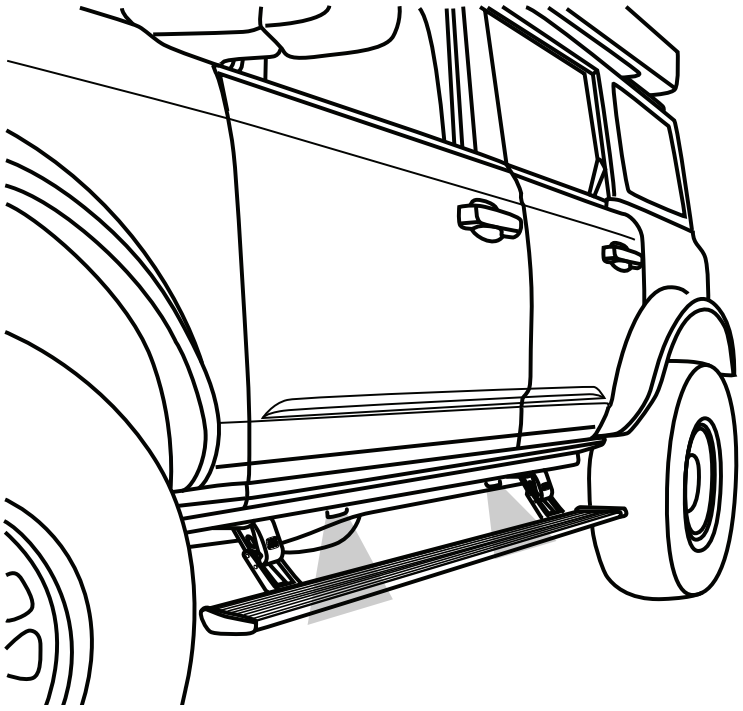
4) Connect the Posi-Tite® (12) the orange from the motor with the white with black stripe wire from the harness.





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 reillumintated by closing and opening any door of vehicle.

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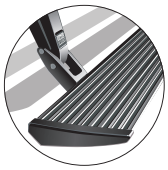
REALTRUCK AMP RESEARCH Power Step

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.

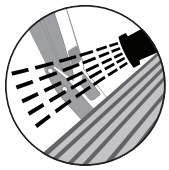


Automatic power deploy:
The running boards will extend down and out when the doors are opened.

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.