

APPLICATION

Toyota 4Runner

(Excludes Limited and TRD and Hybrid models)

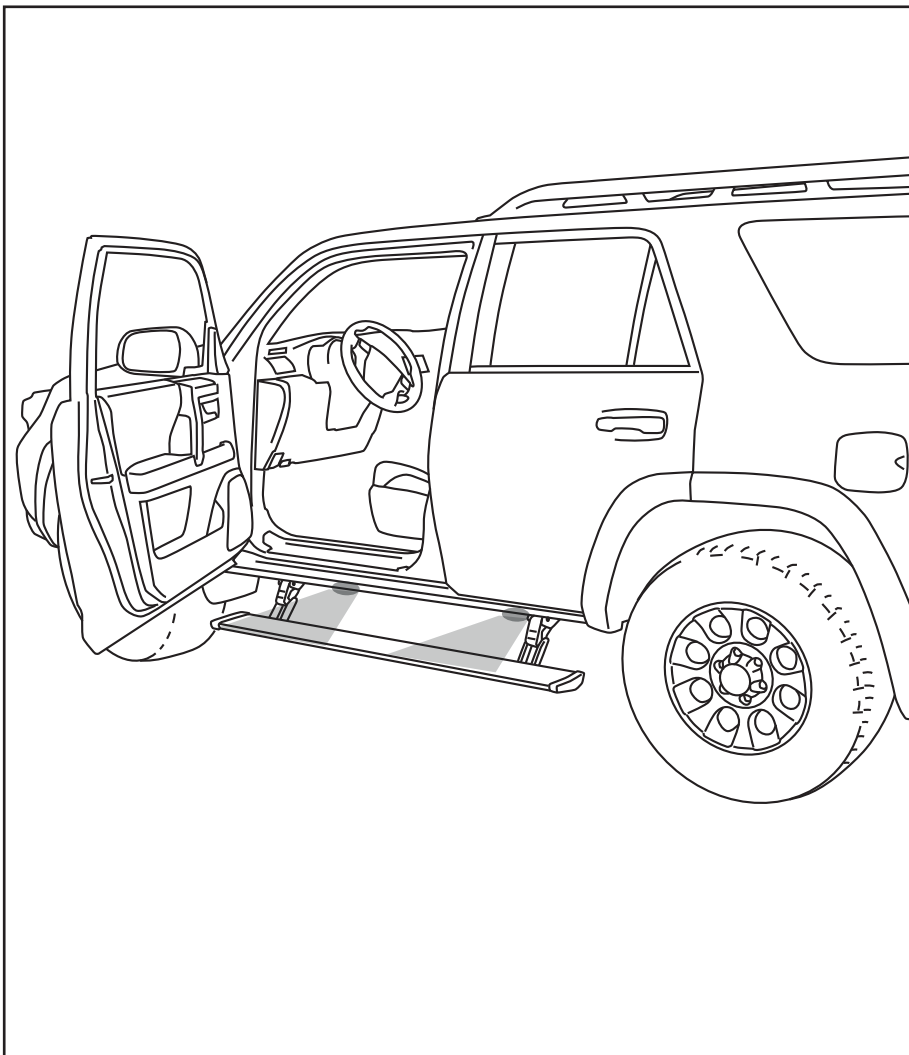
MODEL YR

2010 - 2024

PART #

75155-01A

INSTALLATION GUIDE

**INSTALLATION TIME****3-5 Hours**

Professional installation recommended

SKILL LEVEL

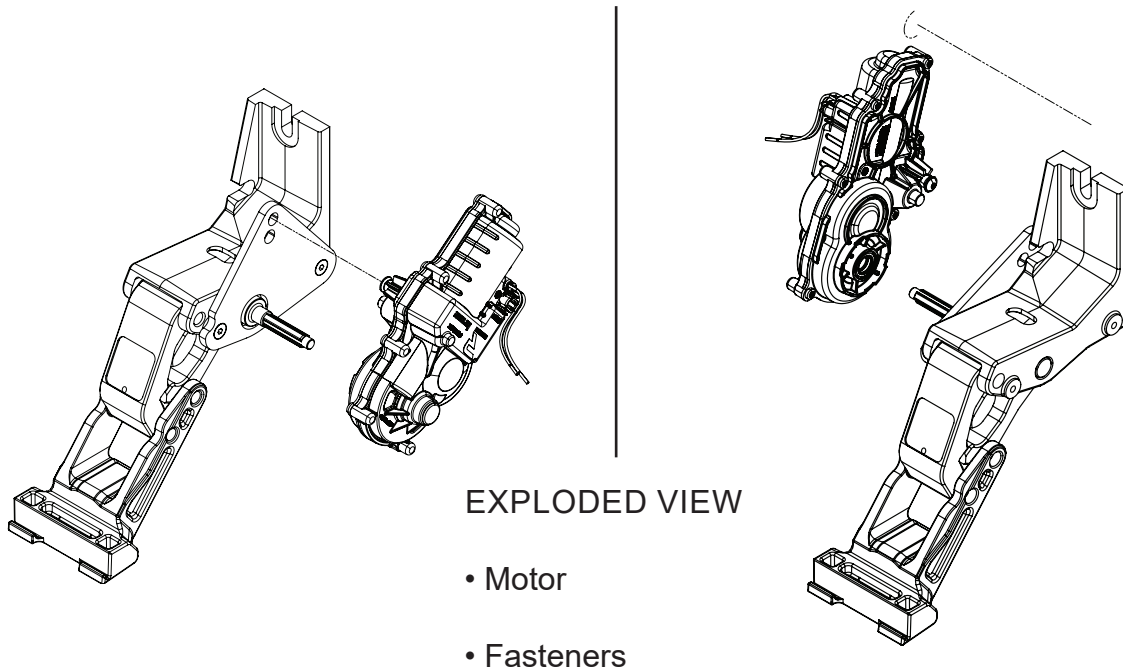
4= Experienced

TOOLS REQUIRED

- ☐ Safety goggles
- ☐ Measuring tape
- ☐ 19 mm socket
- ☐ 10 mm socket
- ☐ 12 mm socket
- ☐ Ratchet wrench and extension
- ☐ Pliers
- ☐ 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)
- ☐ 9/32 drill bit
- ☐ Drill
- ☐ Torx T-25 driver
- ☐ 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.

INSTALLATION GUIDE**Attaching motor to Linkage assembly**

NOTE: Driver Side - Attach motor after linkages and board are installed

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.
2. Rotate motor by hand while on the shaft to position it to the mounting plate (orientation as shown above).
3. 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:

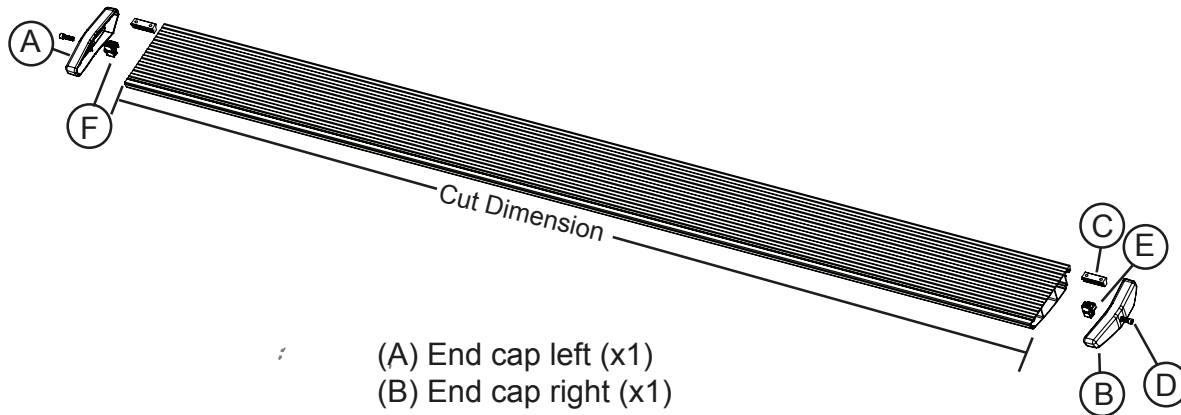
The motor and shaft have only three possible positions. Depending on the current position of the motor, motor/shaft and the orientation of the motor plate, it may be necessary to power it in order to align it correctly with the linkage and shaft during assembly so that the motor can be mounted to the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

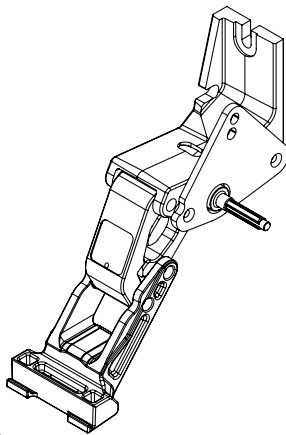
PARTS LIST AND HARDWARE IDENTIFICATION



① x2

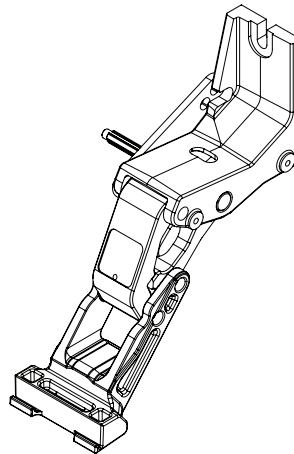
Running board assembly

- (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)



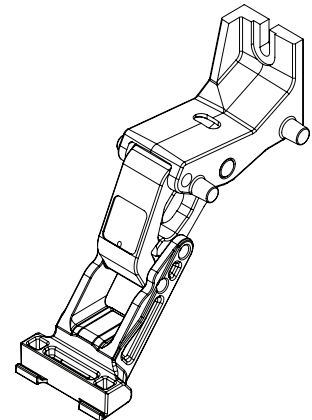
②

Driver Motor
Linkage Assembly



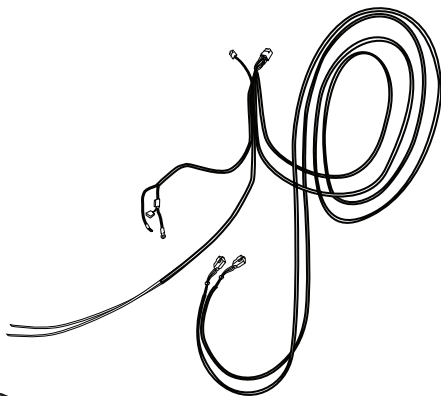
③

Passenger Motor
Linkage Assembly



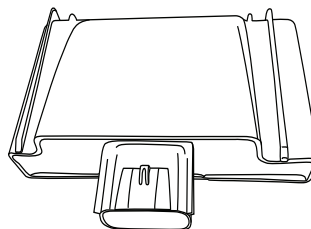
④ x2

Idler Linkage
Assembly



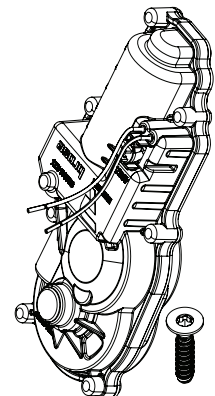
⑤

Wire Harness



⑥

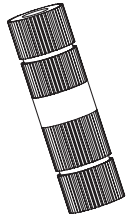
Controller SSA



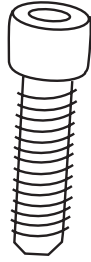
⑦ x2

Motor Assembly kit

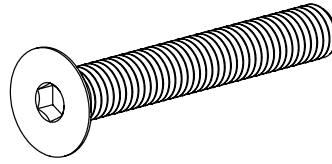
PARTS LIST AND HARDWARE IDENTIFICATION



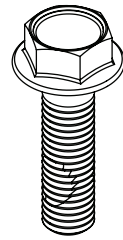
8 x4
Posi-Tap™ (Red/Grey)



9 x8
Socket Cap Screw



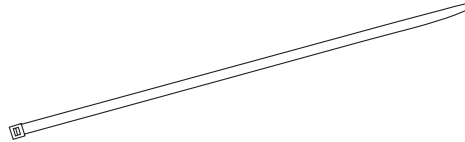
10 x8
Flat Head Cap Screw



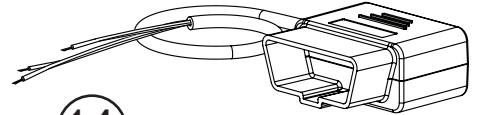
11 x8
Flange Head Bolt



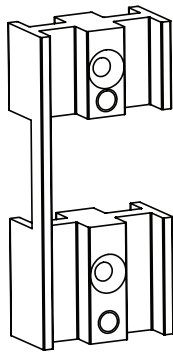
12 x25
Cable Tie 7"



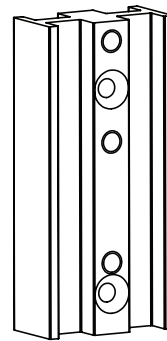
13 x2
Cable Tie 11"



14
OBD II Plug
(Smart Series)



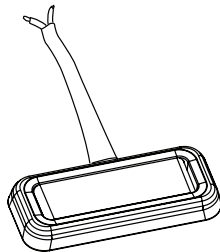
15 x2
Frame Mount Extrusion (Rear)



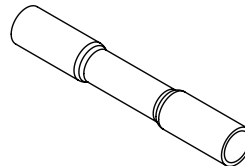
16 x2
Frame Mount Extrusion (Front)



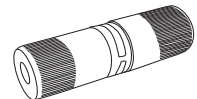
17 x4
Grommet



18 x4
LED Lamp



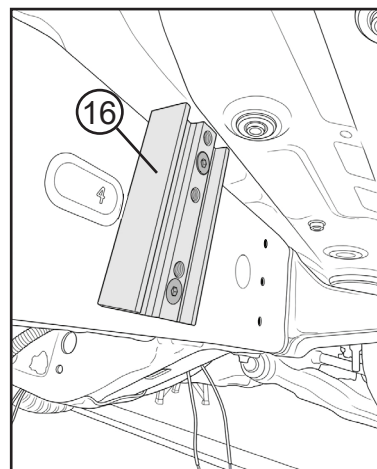
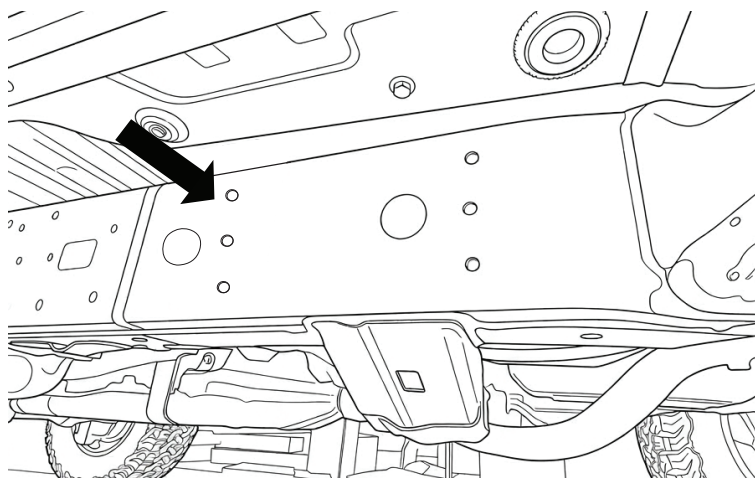
19 x8
Butt Connector



20 x4
Posi-Tite®

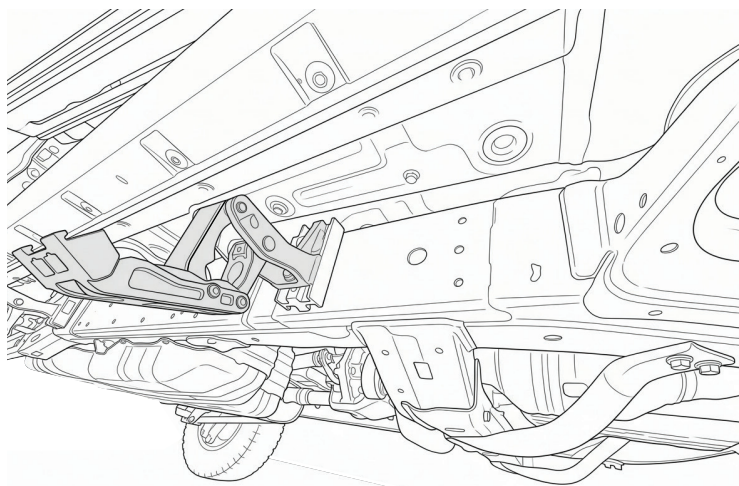
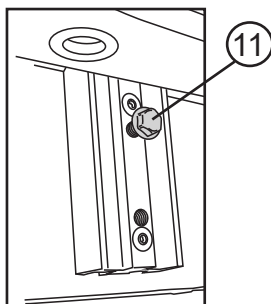
Front Passenger Side. Locate second most forward set of threaded holes on the frame (see image on left).

Using provided flat head cap screws (10) attach frame mount extrusion (16) to front set of threaded holes. Orient the block as shown on image on right and torque to 16ft-lbs.



1

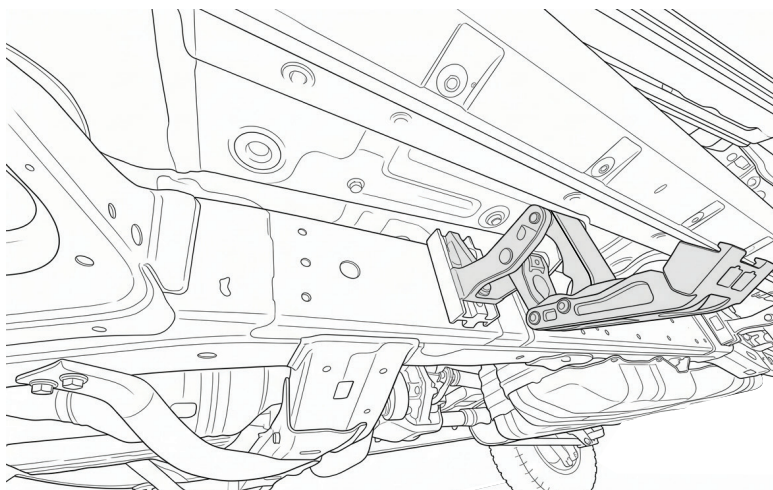
Pre thread upper M10 flange head bolt (10) onto frame mount. Slide linkage (4) into position and thread in lower flange head bolt. Snug bolts to allow for adjustment at a later step.



2

Front Driver Side.

Repeat steps on passenger side.

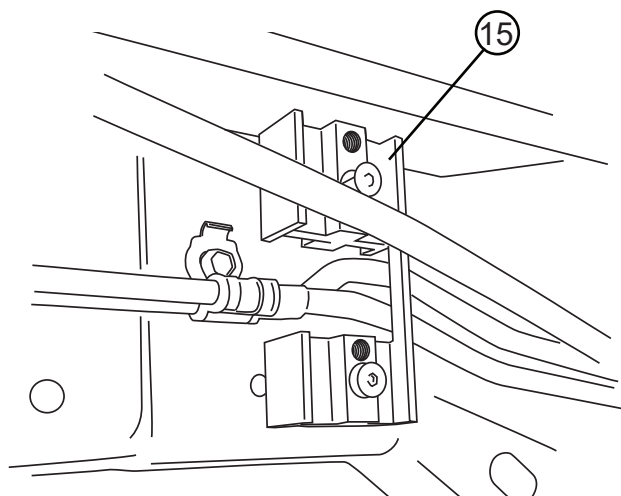


3

Rear Driver Side.

Locate rear most set of threaded holes on the frame just forward of rear suspension.
(Vehicle shown has Vehicle Stability Control lines)

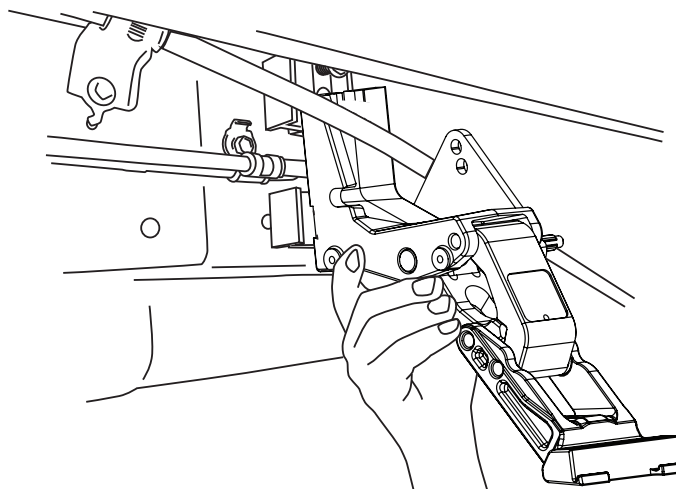
Tighten screws to 16 ft-lbs.



4

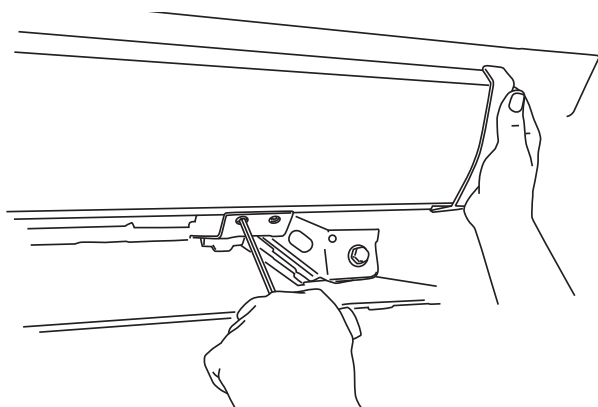
Pre thread upper M10 flange head bolt (11) onto frame mount. Slide linkage (2) into position and thread in lower flange head bolt. Snug bolts. Do not tighten.

Repeat steps on passenger side rear linkage (3).



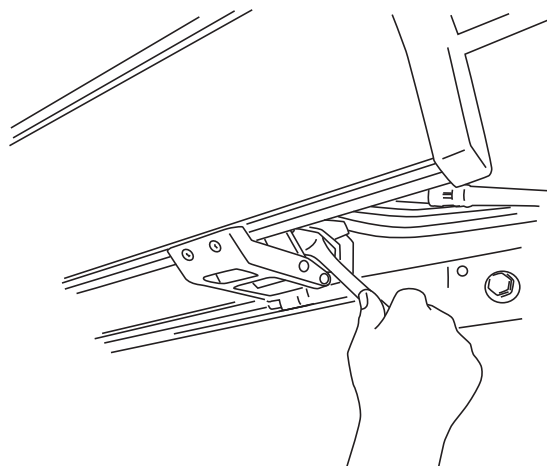
5

Slide mounting T-nut into position. Slide the board back so that the front of the board is aligned with the front edge of the front door. Torque to 10 ft-lbs.



6

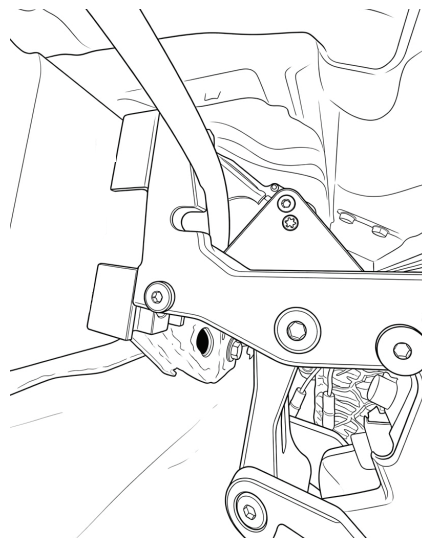
Once running board is attached to lower mount tighten linkages at front and rear. Torque to 30 ft-lbs. Hand cycle running board to ensure no bind is present in running board assembly.



7

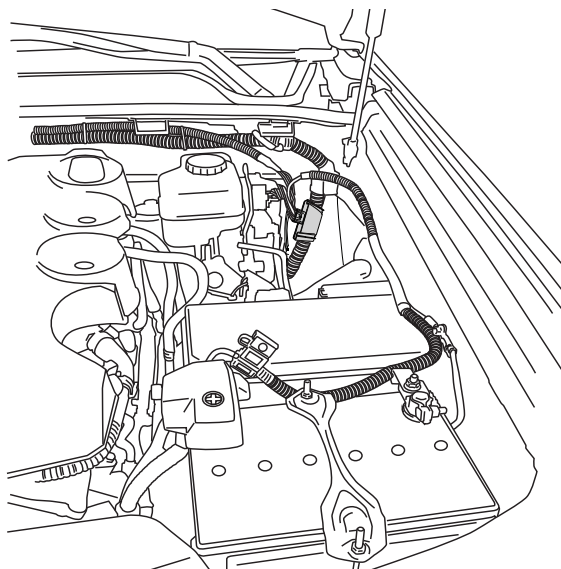
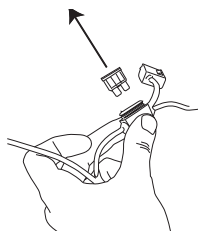
Attach the motor to the linkage on both Driver and Passenger side.

Tighten using T-25 torx to 5 ftlbs.
Do not overtorque.



8

Remove fuse. Secure controller to factory wire loom using supplied 11" wire ties. Connect Red fused wire to stud on battery positive terminal. Connect Black wire to ground on inner fender panel.



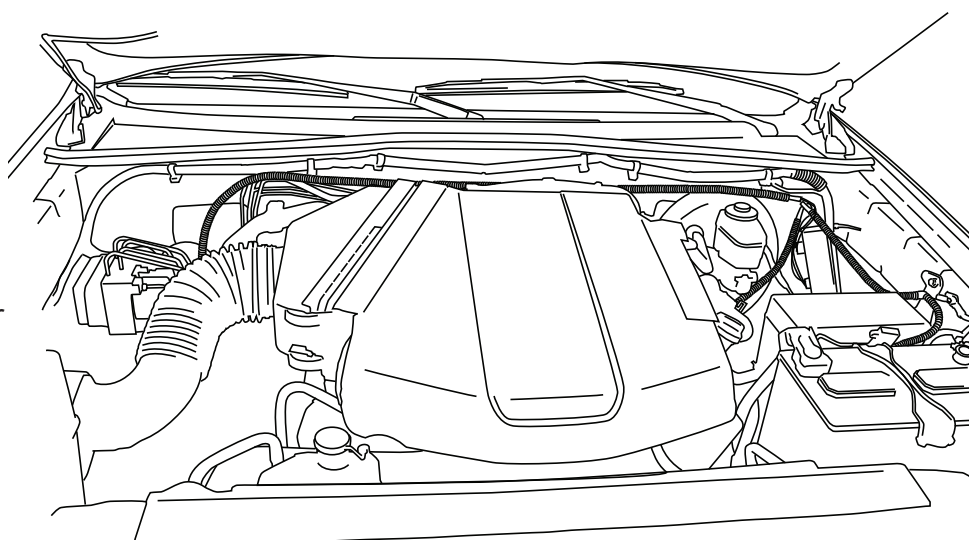
9

Run wire harness as shown outside the frame rails on both sides.

Avoid hot, sharp or moving parts!

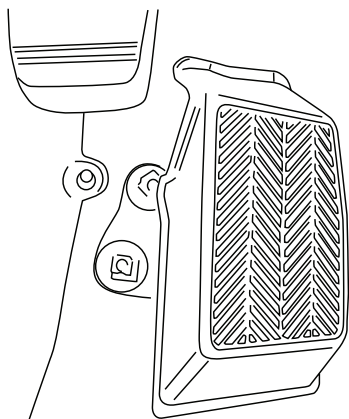
Secure with 7" wire ties.

Note: Run loom with Green/Yellow and Pink/Black Trigger wires down drivers side of vehicle.



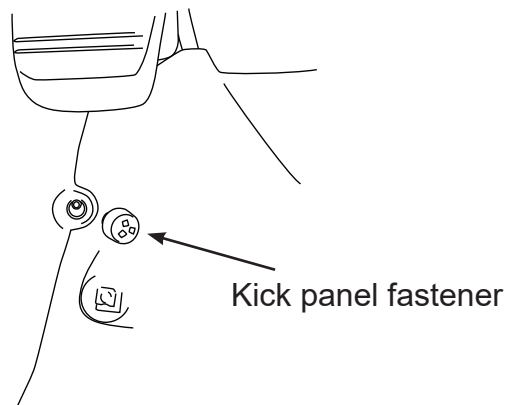
10

Pry left foot rest loose at driver side kick panel.



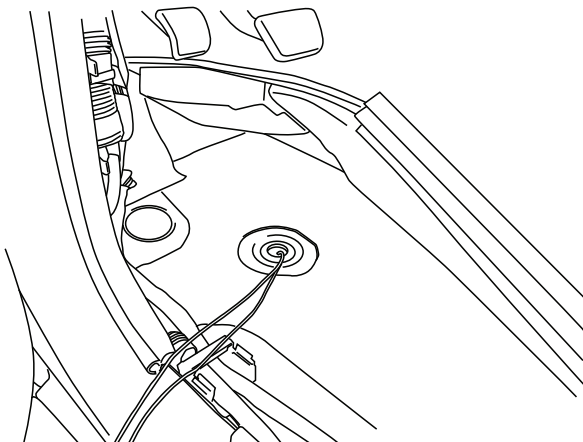
11

Pry up front door sill plates and remove kick panel fasteners and panels on driver and passenger side.

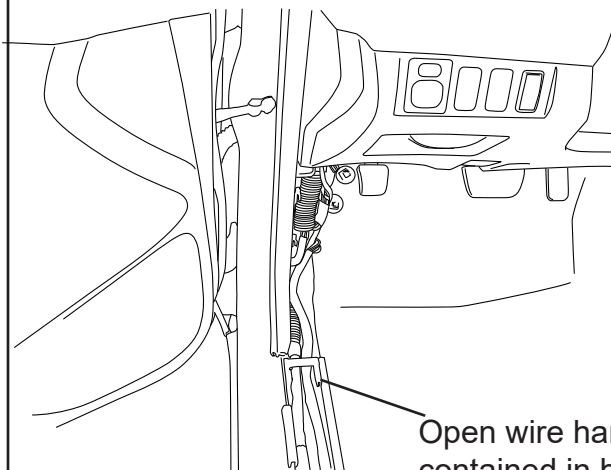


12

Pull up carpet and locate rubber grommet. Slice the grommet and pass trigger wires from under the vehicle and into the cab.



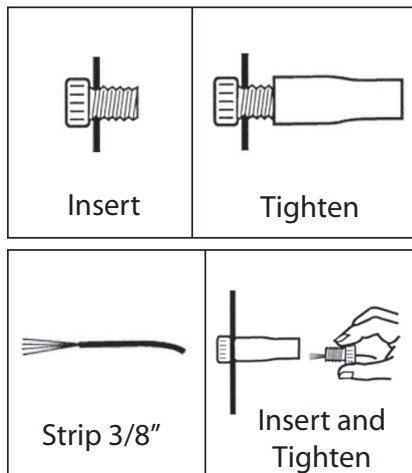
13



Open wire harness contained in black plastic split loom

14

See Posi-Tap Instructions below for following step



15

Drivers Side Front: Connect Red Trigger Wire to Red factory Door Ajar signal wire (12 volt negative with door open) using supplied Posi-Tap. Note: On 2023 models, locate Green door signal wire.

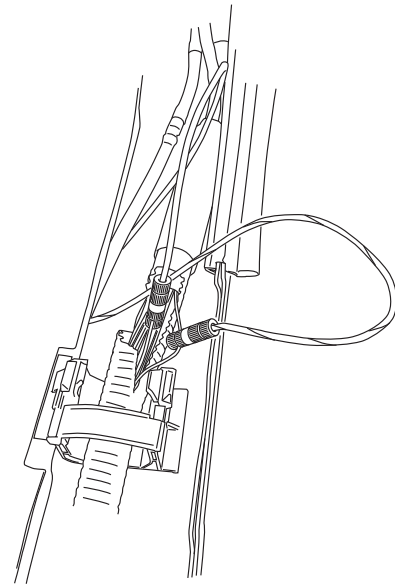
Drivers Side Rear: Connect Purple Trigger Wire to Purple factory Door Ajar signal wire using supplied Posi-Tap. Note: On 2023 models, locate Red door signal wire.



16

Passenger Side Front: Connect Black Trigger Wire to Black or Dark Grey factory Door Ajar signal wire (12 volt negative with door open) using supplied Posi-Tap.

Passenger Side Rear: Connect Red Trigger Wire to Red factory Door Ajar signal wire using supplied Posi-Tap.



17

Install Positite on to motor wires to wire harness.
Driver side, white to orange, orange to white
Passenger side white to white, orange to orange.

Posi-Tite ® Instructions

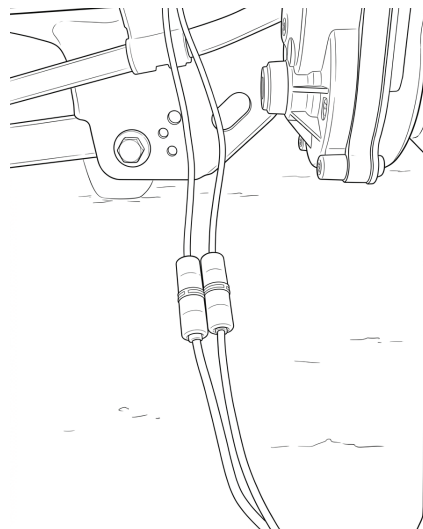
1. Strip 3/8"



2. Push

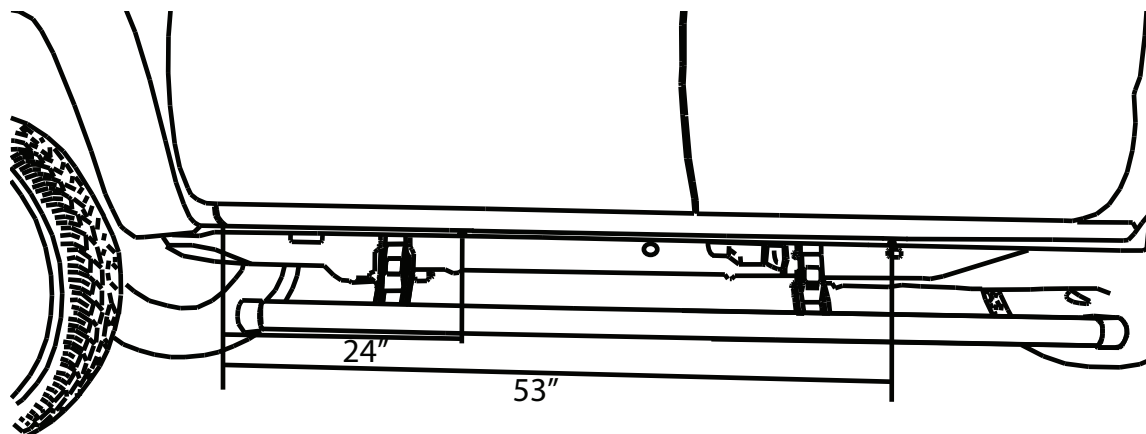


3. Tighten



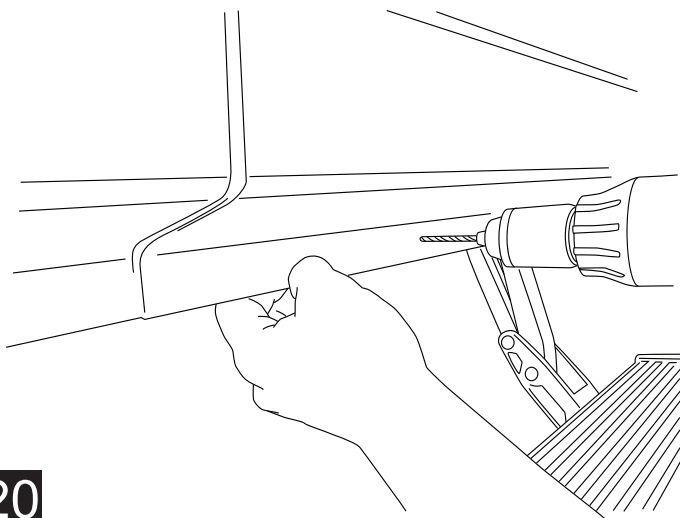
18

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 24" for front LED Light and 53" for rear LED Light.



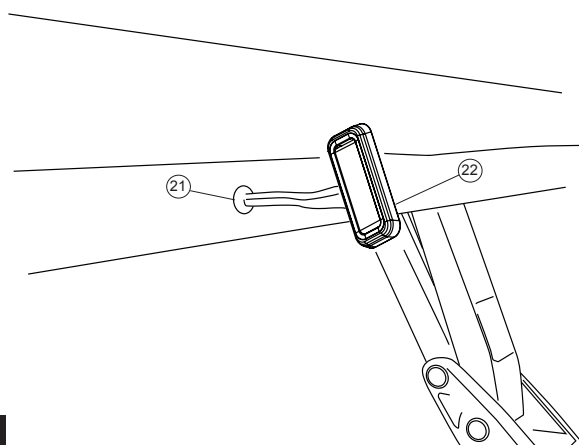
19

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



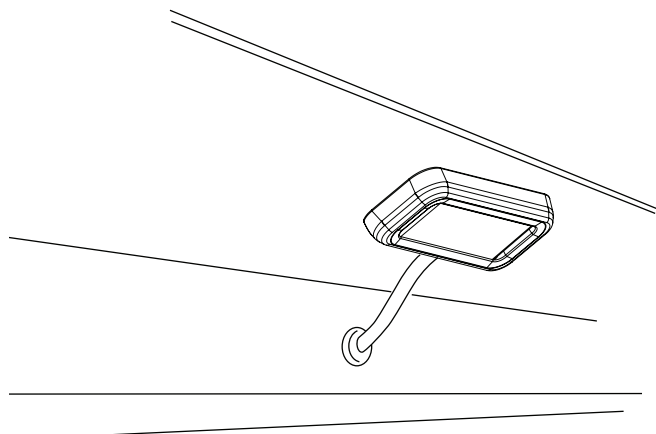
20

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



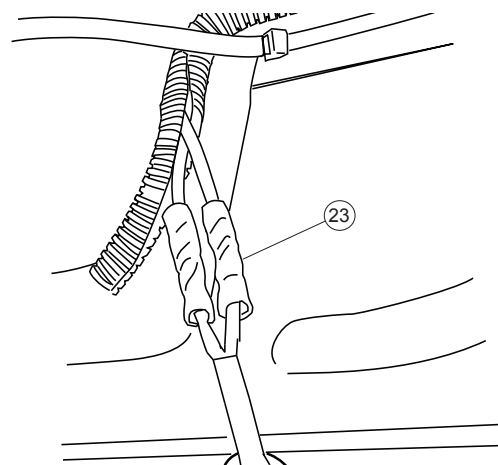
21

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



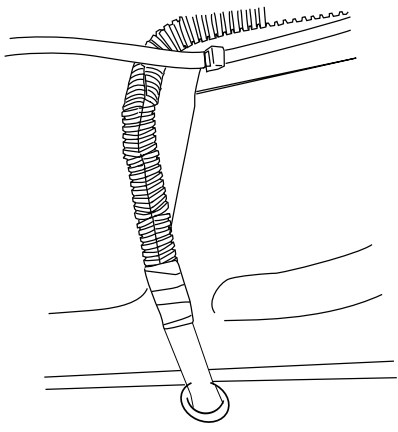
22

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



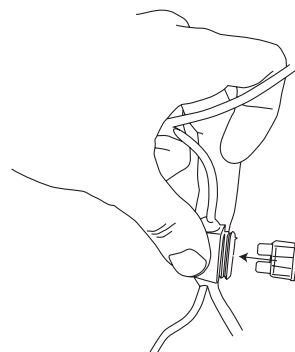
23

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.



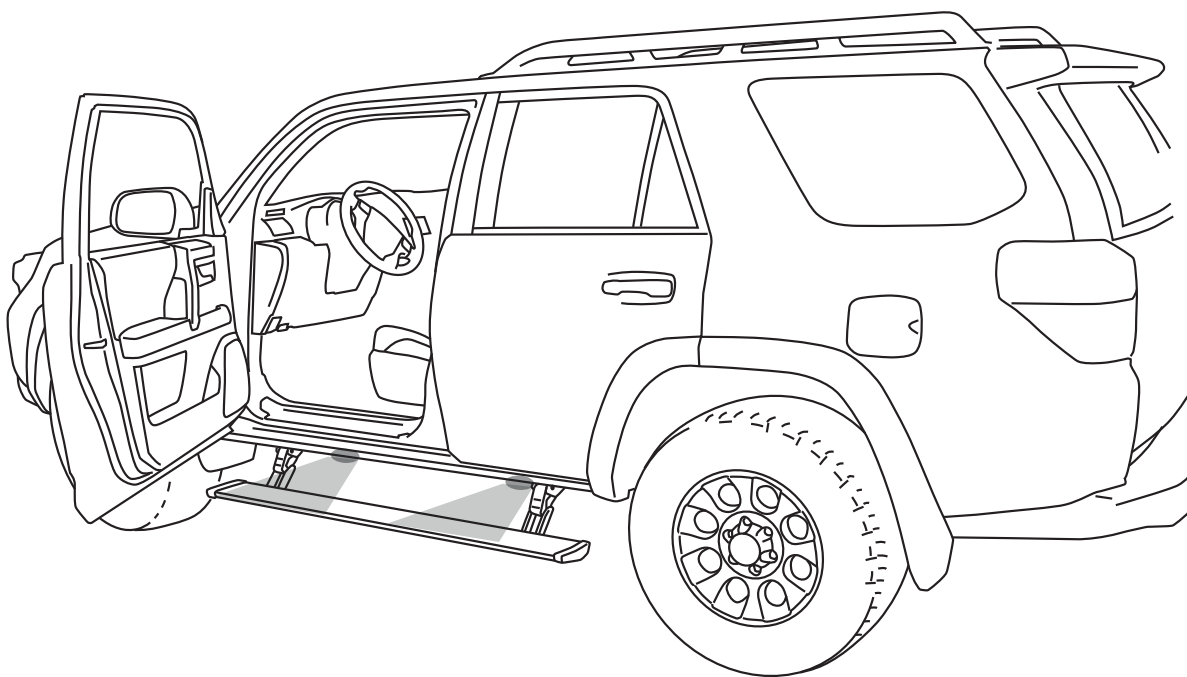
24

Reinstall the fuse.



25

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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- Registration helps us keep you up to date on product information and offers.

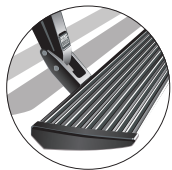
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Please visit: www.realtruck.com

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.

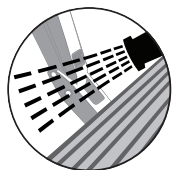
Automatic stop:

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.

