

iBot® by APS

PART#: PB-A158

READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. REMOVE CONTENTS FROM BOX AND VERIFY ALL PARTS ARE PRESENT. ASSISTANCE IS RECOMMENDED.

*ROCKER PANEL MOUNT
*TRIMMING/ DRILLING MAY BE REQUIRED FOR WIRING

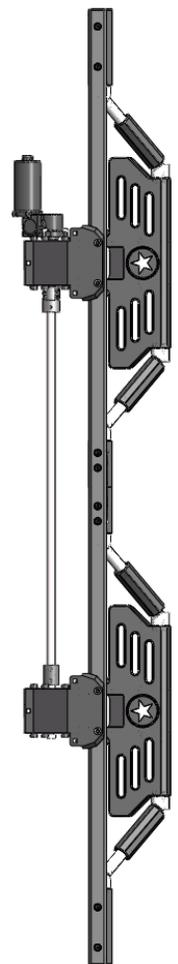
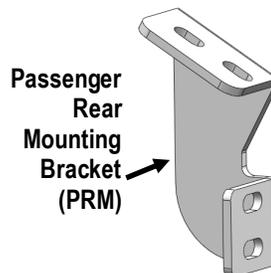
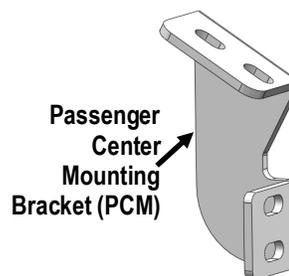
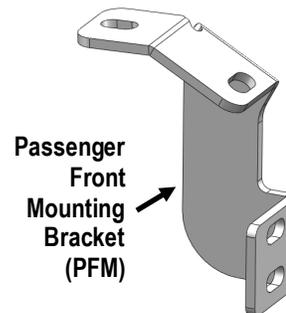
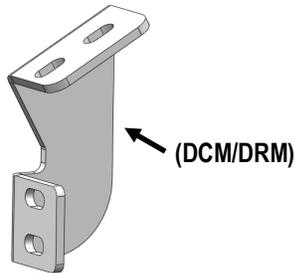
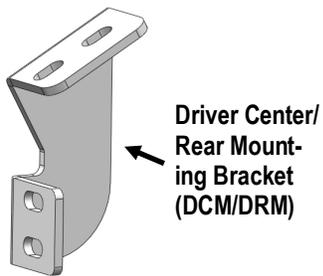
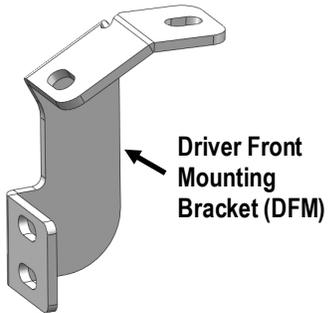
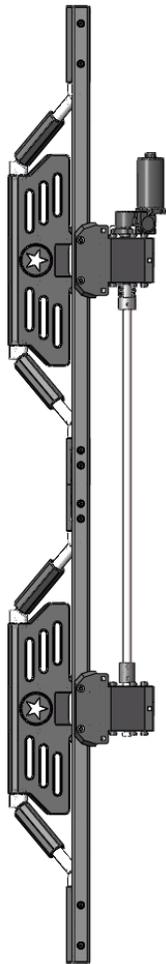
Fastener Size	Tightening Torque (ft-lbs)	Required
6mm	6-7	X
8mm	16-18	√
10mm	31-32	X
12mm	56-58	X
14mm	92-94	X

PART LIST

Driver Side Step Bar

Front

Passenger Side Step Bar



Hardware Package A (For Brackets Installation)					
Item	QTY	Description	Item	QTY	Description
1#	12	M8X1.25-30 Hex Bolts	3#	12	M8 Lock Washers
2#	12	M8 Large Flat Washers			



1#



2#



3#

Hardware Package B (For Step Bars Installation)					
Item	QTY	Description	Item	QTY	Description
1#	12	M8X60 Decorative Bolts	3#	12	M8 Nylon Flange Lock Nuts
2#	12	M8 Large Flat Washers			



1 #



2 #



3 #

Electrical Accessories					
Item	QTY	Description	Item	QTY	Description
1#	1	Main harness with wire taps	2#	1	ECU (Electronic Control Unit)
3#	15	Zip Ties			



1 #



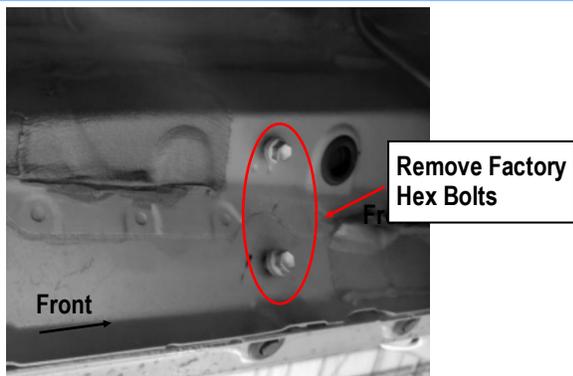
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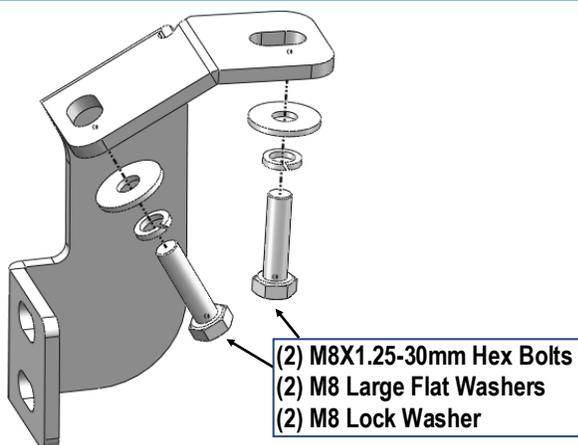
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STEP 1

Start from the driver side front of the vehicle, remove the existing (2) factory bolts, (Fig 1). This will be the mounting location for the Driver Front Mounting Bracket. Select the Driver Front Mounting Bracket (DFM) attach the Bracket to the vehicle using (2) M8X1.25-30mm Hex Bolts, (2) M8 Lock Washers and (2) M8 Large Flat Washers, (Fig 2). Do not fully tighten hardware at this time.



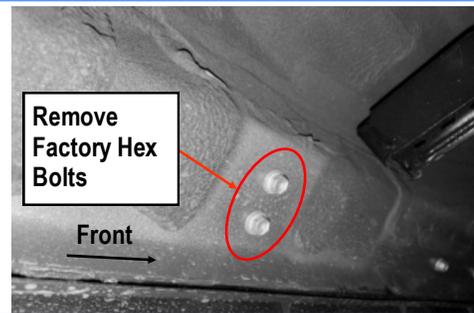
(Fig 1) Driver Side Front Mounting Location



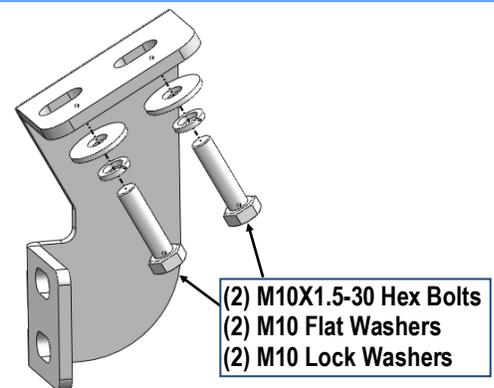
(Fig 2) Driver Front Mounting Bracket Installation

STEP 2

Move along the side panel to the Driver Side Center Mounting Location, (Fig 3). Repeat **Step 2** to install the Driver Center/Rear Mounting Brackets, (Fig 4). **Note: Driver Center and Rear Mounting Brackets are Universal.**



(Fig 3) Driver Side Center & Rear Mounting Location

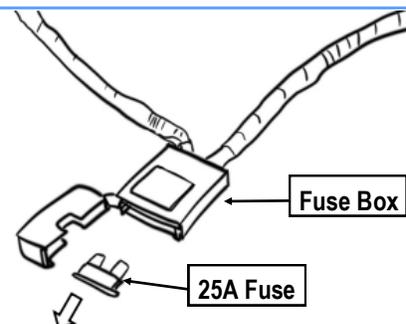


(Fig 4) Driver Center/Rear Mounting Bracket Installation

STEP 3

Start from the engine compartment by opening the front hood of the vehicle. Locate the Battery and its terminals (positive/negative). Remove the 25A fuse from the fuse box that comes with the main harness. (Fig 5).

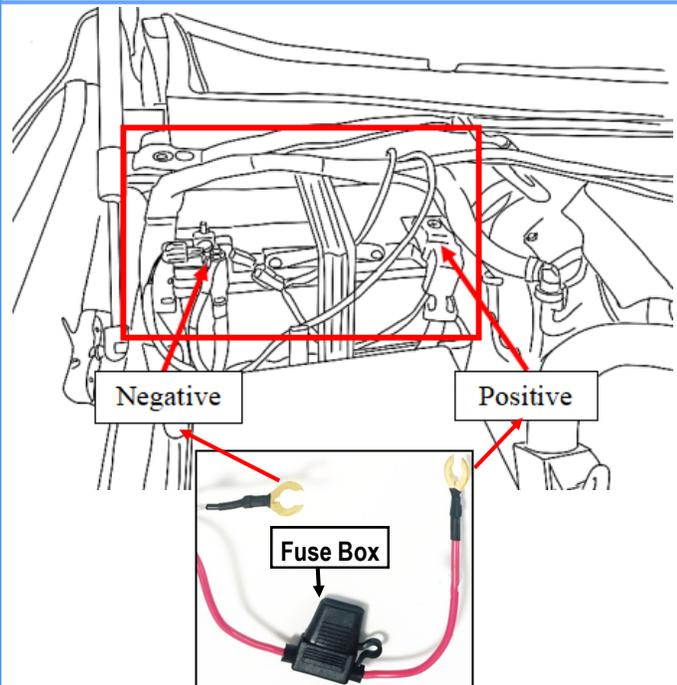
***WARNING:** Keeping the fuse connected to the fuse box may result in electrical sparks and risk of shorting when working with the battery.



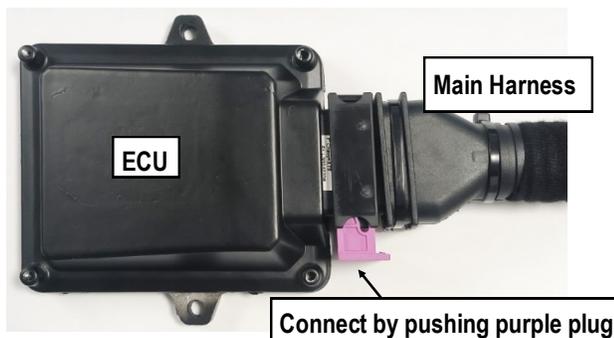
(Fig 5) 25A Fuse and Fuse Box

STEP 4

Connect the positive power lead on main harness to the positive battery terminal. Connect the negative lead to the negative battery terminal. **(Fig 6)**. Make sure both power leads are fully secured. **Connect the ECU to the main harness. (Fig 7)**



(Fig 6) Positive and Negative Battery Terminals



(Fig 7) ECU AND Main harness Connection

If the vehicle is a non-Hybrid model, follow Step 5A. If the vehicle is a Hybrid model, follow Step 5B instead.

STEP 5A

Route the main harness around the battery, up along the rear of the engine compartment. The longer Driver-side branch of the main harness must route down the backside, against the fire wall, and down past the steering column towards the vehicle frame. Be sure to avoid contact with the steering column. **(Fig 8)**

Route the Passenger-side leg of the harness down the Passenger-side wheel well. Be sure to avoid contact with any moving or hot engine components. Attach and secure the main harness with supplied Zip ties.

Be sure the harness avoids contact with the suspension and steering column.

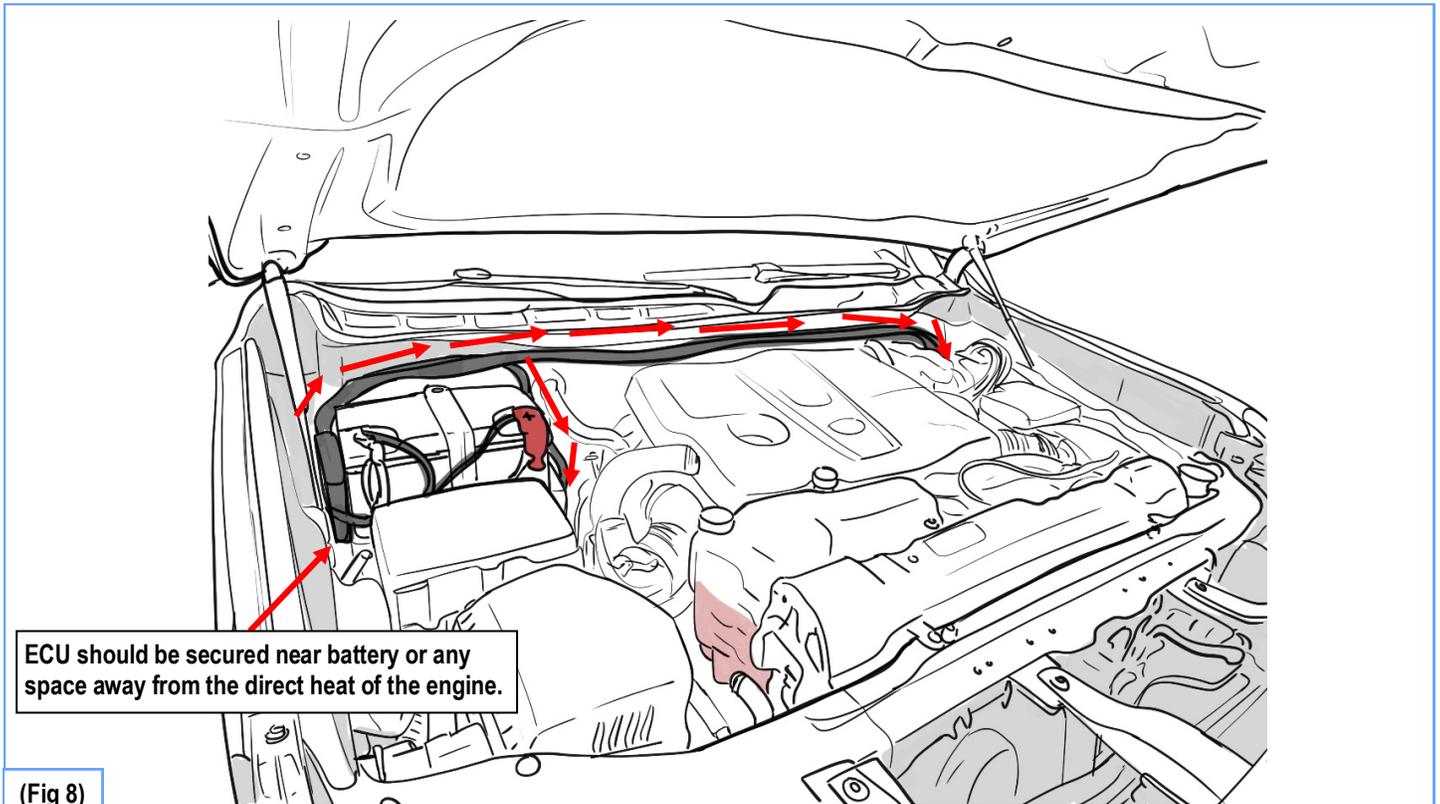
ECU should be secured near battery or any space away from the direct heat of the engine.

STEP 5B

Be sure the harness avoids contact with the suspension and steering column.

On Hybrid models, the battery is not located in the traditional location in the engine bay. Instead, locate the battery under the Driver Side Rear Seat. Lift the rear seat to unveil the enclosed battery space and find the positive and negative battery terminals. Connect the power leads on the Main Harness to the battery terminals. **(Fig 9)**

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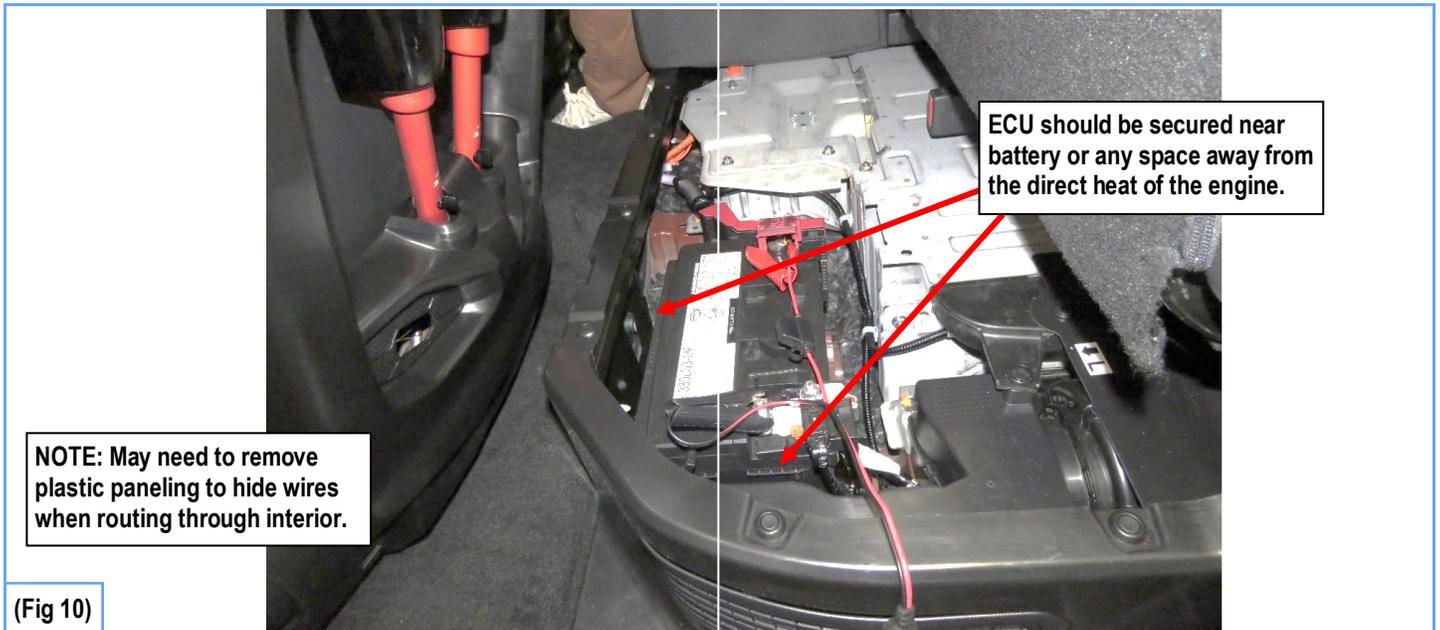


(Fig 8)



(Fig 9)

Route the main harness around the battery and along the inside of the cabin. Find a good spot to hide the ECU. The Driver-side branch of the main harness must route down to the outside of the cabin to the Driver-side motor, on the underside. Be sure to avoid contact with the steering column and hot exhaust pipes. Route the branch marked "Passenger-side" of the harness to the Passenger Side underside. Be sure to avoid contact with any moving or hot engine components. Attach and secure the main harness with supplied Zip ties. (Fig 10)



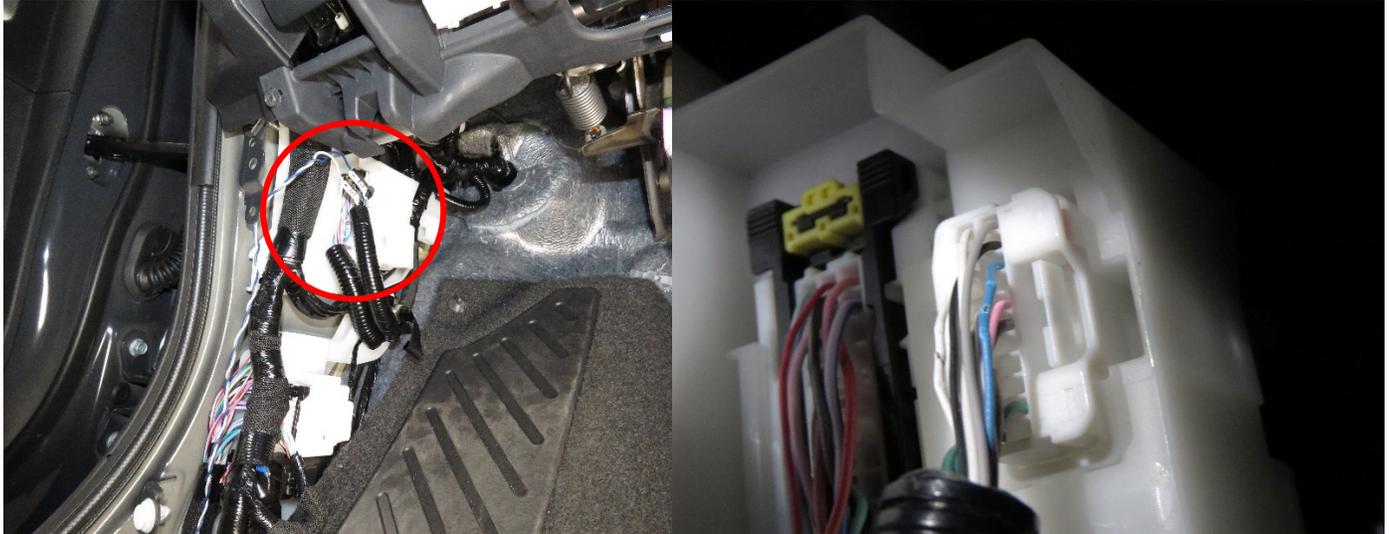
STEP 6

Inside the vehicle cabin, remove the bottom door sill plate and then the driver-side kick panel. Peel back the carpet to access the hole where a floor grommet can be removed. Feed the wires through.

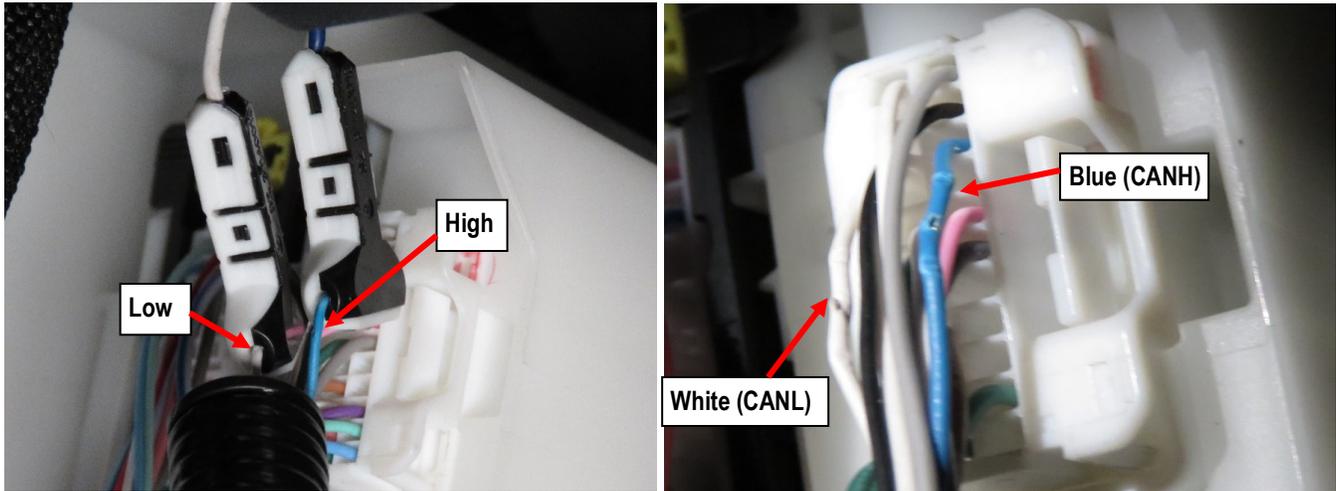


STEP 7

Locate the white OEM CAN Junction connector under the steering wheel, behind the kick panel. Be sure vehicle is not powered on. Slide the connector out of the holding junction by pushing the locking tab in the center and pulling downwards for easier access to wires.

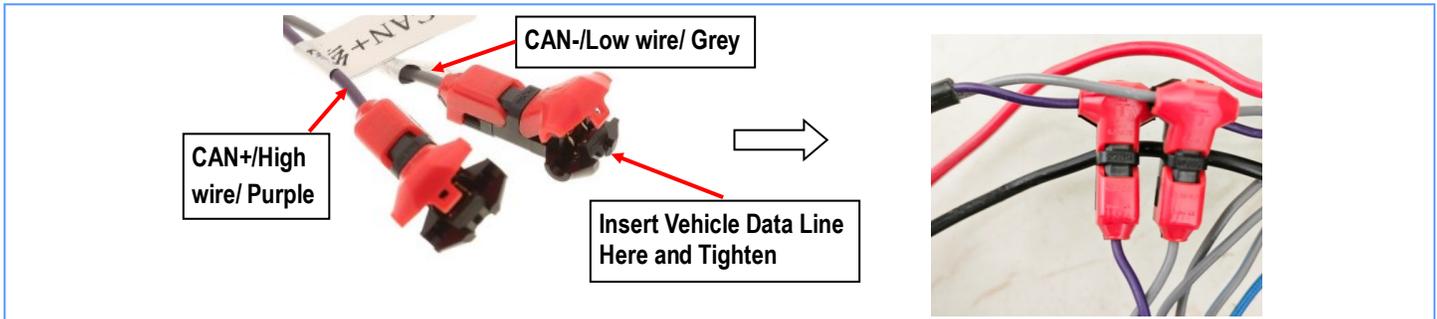


On the white connector, identify the Blue and White wires. Connect the High and Low wires from the main harness using the supplied wire taps. After successfully connecting the wires, return the connector back into its place and check that it is secure.



Factory CAN Wire	Main harness wire color
Blue (High)	Purple (High)
White (Low)	Grey (Low)

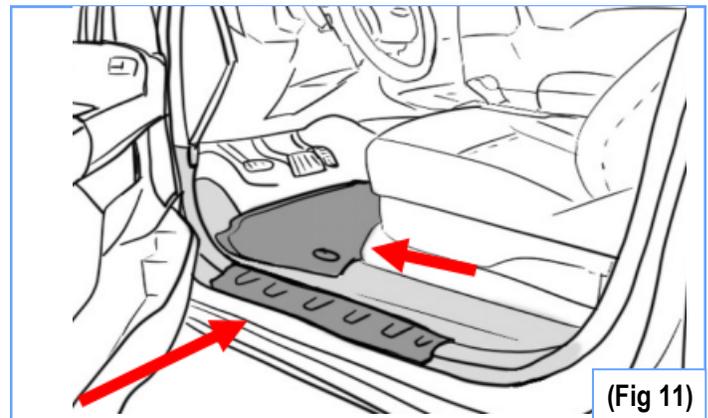
NOTE: On some vehicle trims, the colors of the wires may be different. In these cases, white wires away from the locking tab, are "CAN Low".



STEP 8

Seal the grommet with RTV Silicone Sealant.

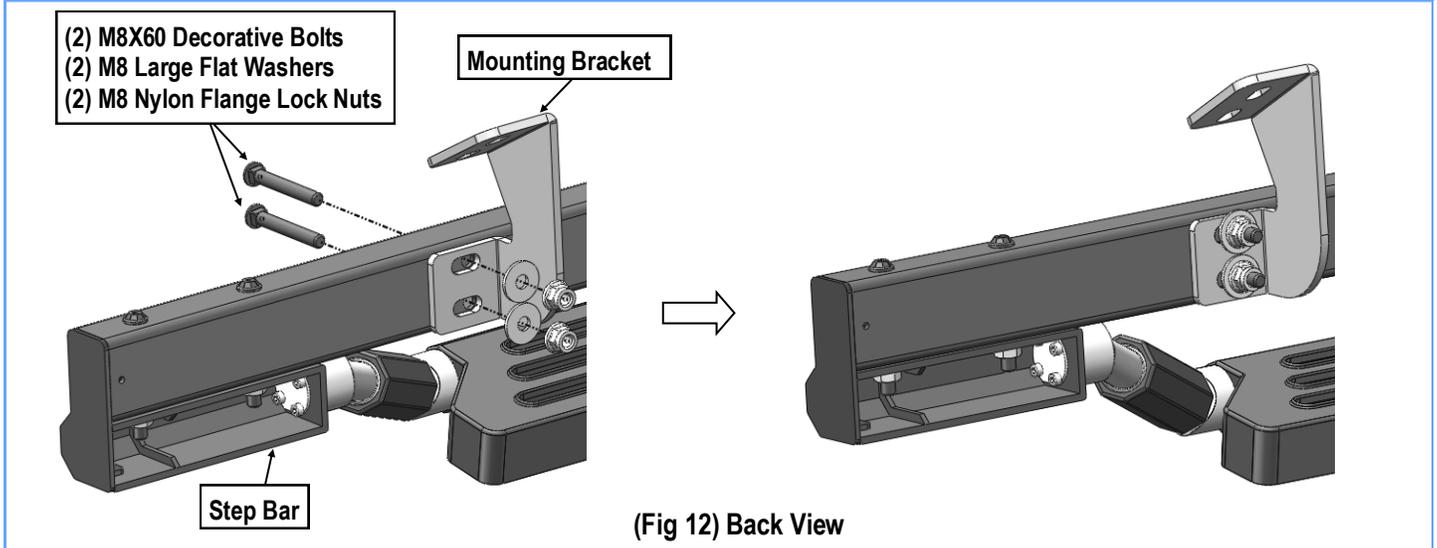
Hide wires and reattach the kick panel with the carpet fully unfurled in its original position. Reattach the door sill panel and check to make sure there are no obstructions or potential snag points around the brake pedal area. **(Fig 11)**

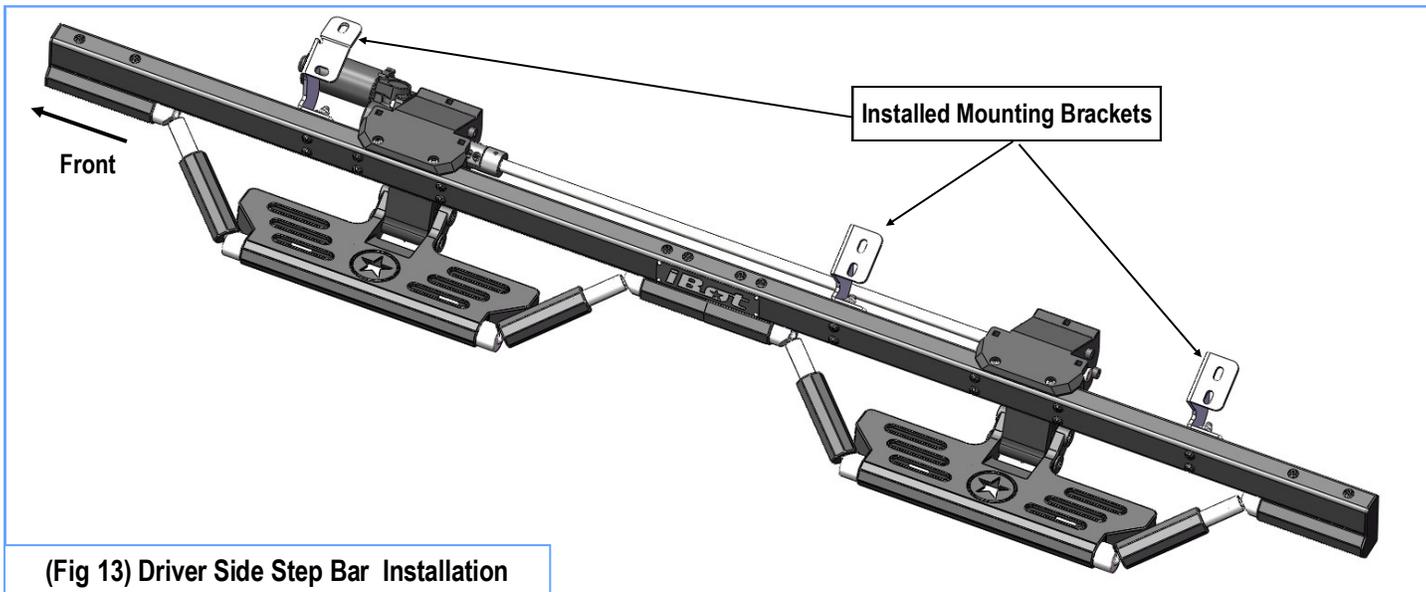


STEP 9

Move to the installation of Step Bars. select and attach the Driver Side Power Step Board onto the Mounting Brackets with (6) M8 Large Flat Washers, (6) M8 Nylon Flange Lock Nuts and (6) M8 Decorative Bolts, **(Figs 12&13)**. Properly level and adjust the Step Bar and fully tighten all hardware.

Repeat for the other side Power Step Installation.





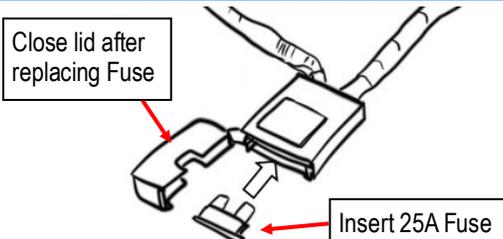
STEP 10

Connect the harnesses on the Driver Power Step Board and Passenger Power Step Board to the main harness.



STEP 11

Re-place Fuse into Fuse Box.



STEP 12

Once the Step Bars are Installed, perform a function check by opening and closing doors several times, make sure the pedals deploy and retract normally. After cycling the step, tighten all hardware on the board and brackets.

Installation complete.

Note: If pedal does not move, try to flip the CAN Signal High and Low wires.

Attention

- Do periodic inspections to the installation to make sure that all hardware is secure and tight.
- In order to protect your bars/boards, please use mild soap/non-abrasive products for cleaning only.
- During severe winter conditions, the electric running board may become frozen and unable to function properly. In such situations, or under other unfavorable conditions that may affect its normal operation, it is recommended to remove the fuse to disconnect the power supply, temporarily disabling the electric running board to prevent potential damage.