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Rough Country PSR71529 Installation Instructions

83-Inch Power Running Boards for 2009–2014 Ford F-150 Crew Cab

Part number: PSR71529

trailfortress.com/rough-country-power-running-boards-psr71529

Scan for fitment, price and install help

PRBOX054810

ROUGH COUNTRY
SUSPENSION SYSTEMS

2009-14 Ford F150 Super Crew Cab

Thank you for choosing Rough Country for all your vehicle needs.

Please read instructions before beginning installation. Check the kit hardware against the kit contents shown below. Be sure you have all needed parts and know where they go.
If questions exist, please call us @1-800-222-7023. We will be happy to answer any questions concerning this product.
Check all fasteners for proper torque. Check to ensure for adequate clearance between all components.
Periodically check all hardware for tightness.

KIT CONTENTS:
Front Motor Left x1
Rear Motor Left x1
Rear Motor Right x1
Front Motor Right x1
Power Board Switch x1
Controller Assembly x1
Control Input Wiring Harness x1
Step Boards x2
LED Lights x4

Wired Magnetic Sensors Module x2
Magnet x4

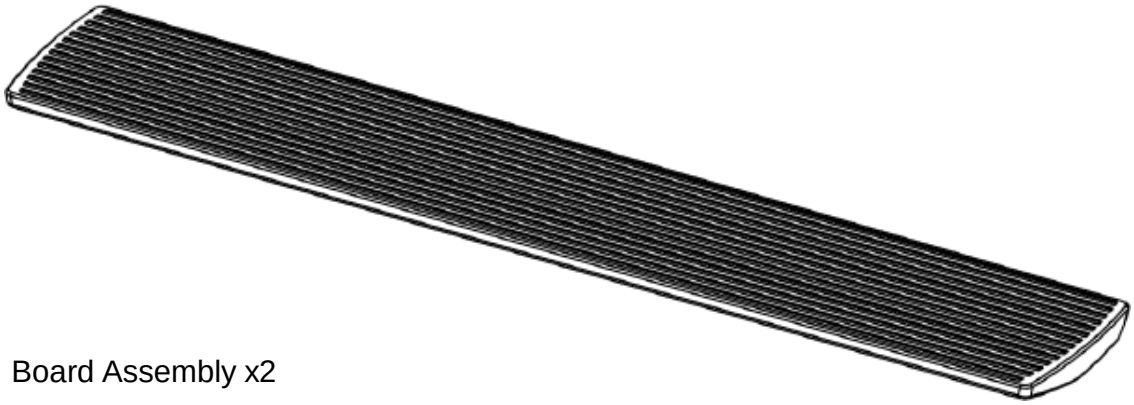
TOOLS NEEDED:
5mm Allen
13mm Socket
Vinyl Tape
Wire Stripper/Cutter
Screw Driver

HARDWARE INCLUDED:
M8x30mm Hex Head Bolt x8
M8x25mm Hex Head Bolt x10
M6 x35 Socket Cap Screw x8
Shim x8
Wire Ties x25

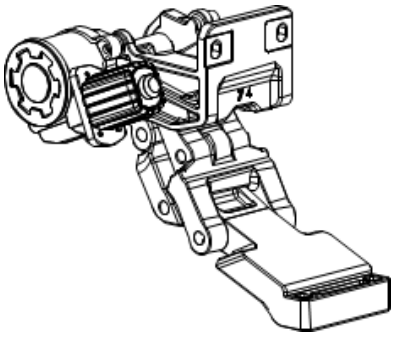




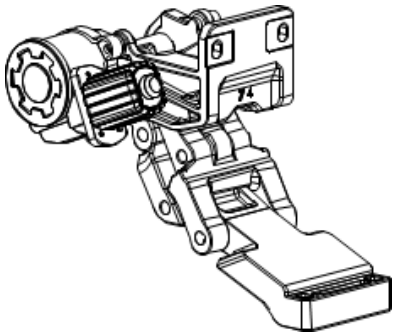
Product Packing List



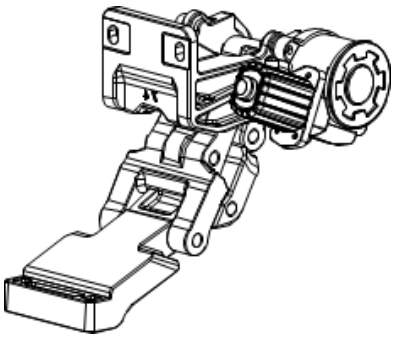
Board Assembly x2



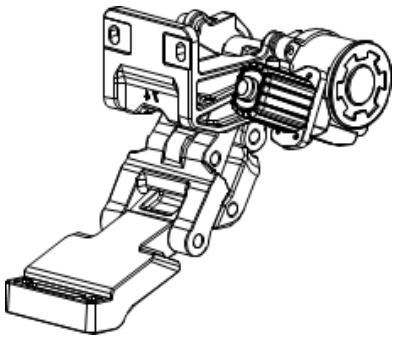
Front Left Motor x1
Driver Side



Rear Left Motor x1
Driver Side



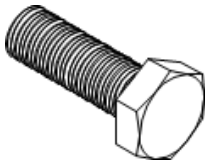
Rear Right Motor x1
Passenger Side



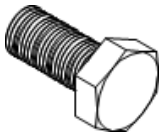
Front Right Motor x1
Passenger Side

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Product Packing List



M8x30mm Hex Head Bolt x8



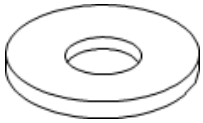
M8x25mm Hex Head Bolt x10



M6x35mm Socket Cap Screw x8



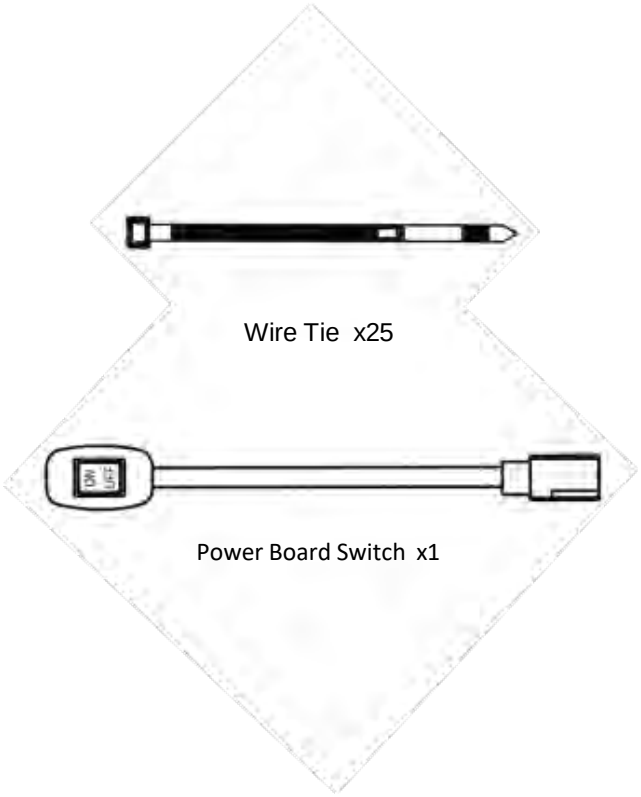
8mm Spring Washer x18



8mm Flat Washer x18

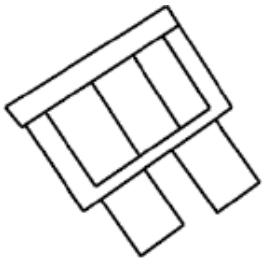


8mm Clip Nut x8

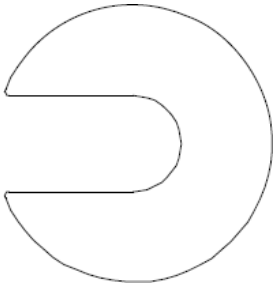


Wire Tie x25

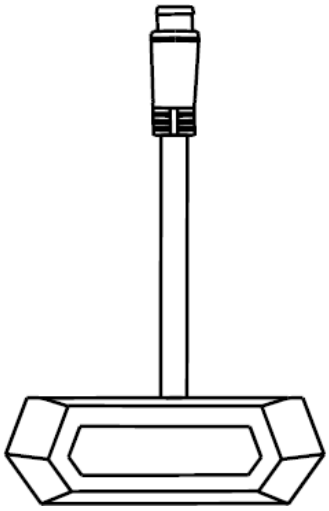
Power Board Switch x1



Fuse x2



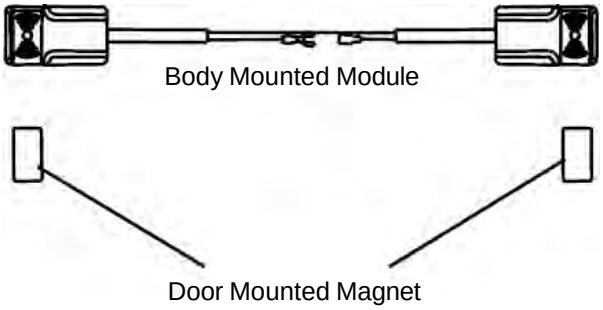
Shim x8



LED Lights x4

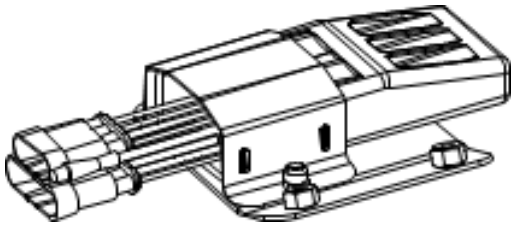
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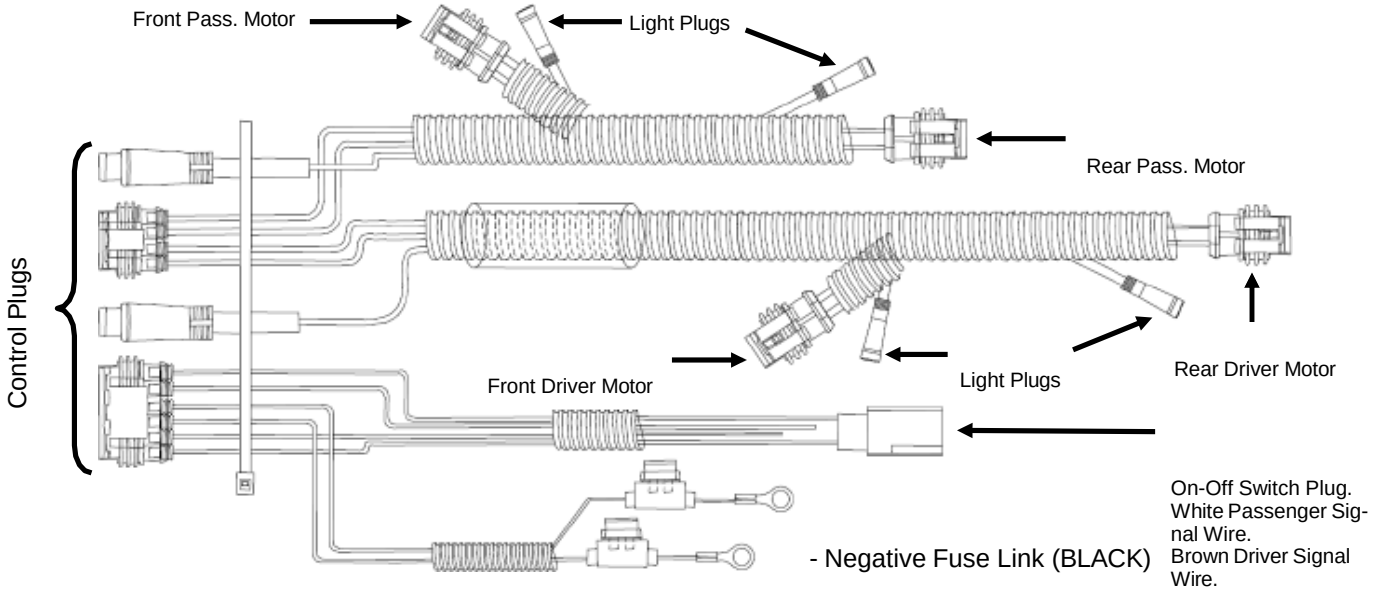
Product Packing List



Body Mounted Module x2
Door Mounted Magnet x4

Controller Assembly x1



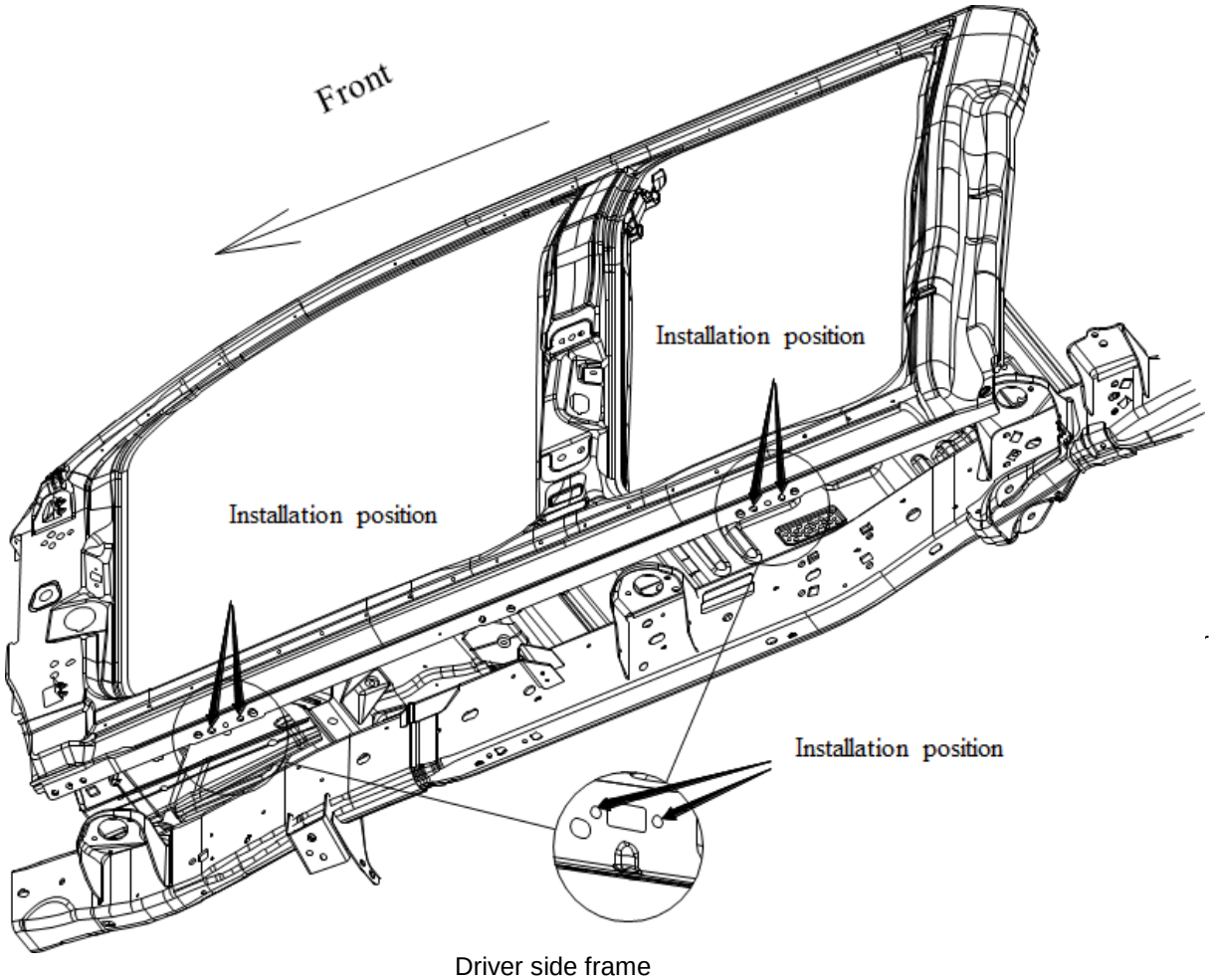


Wiring Harness x1

(4)

Mechanical Installation

Installation on the driver side

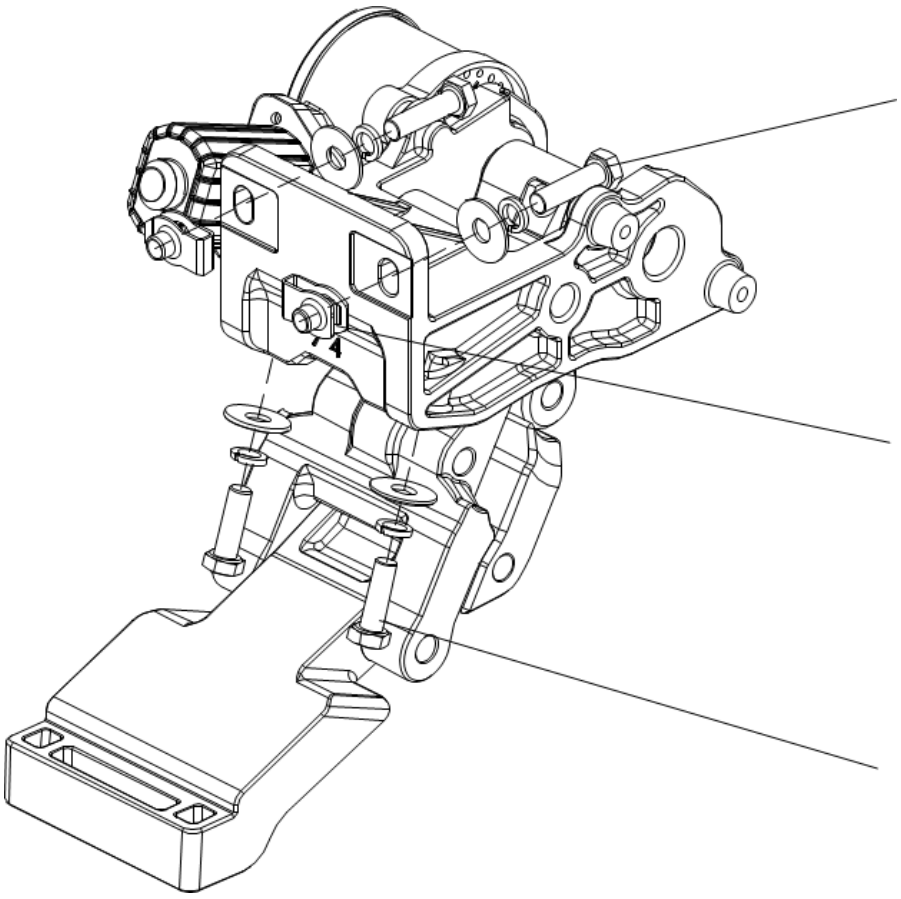


Driver side frame

Note: the left and right sides are installed symmetrically, taking the installation on the left (driver) side as an example.

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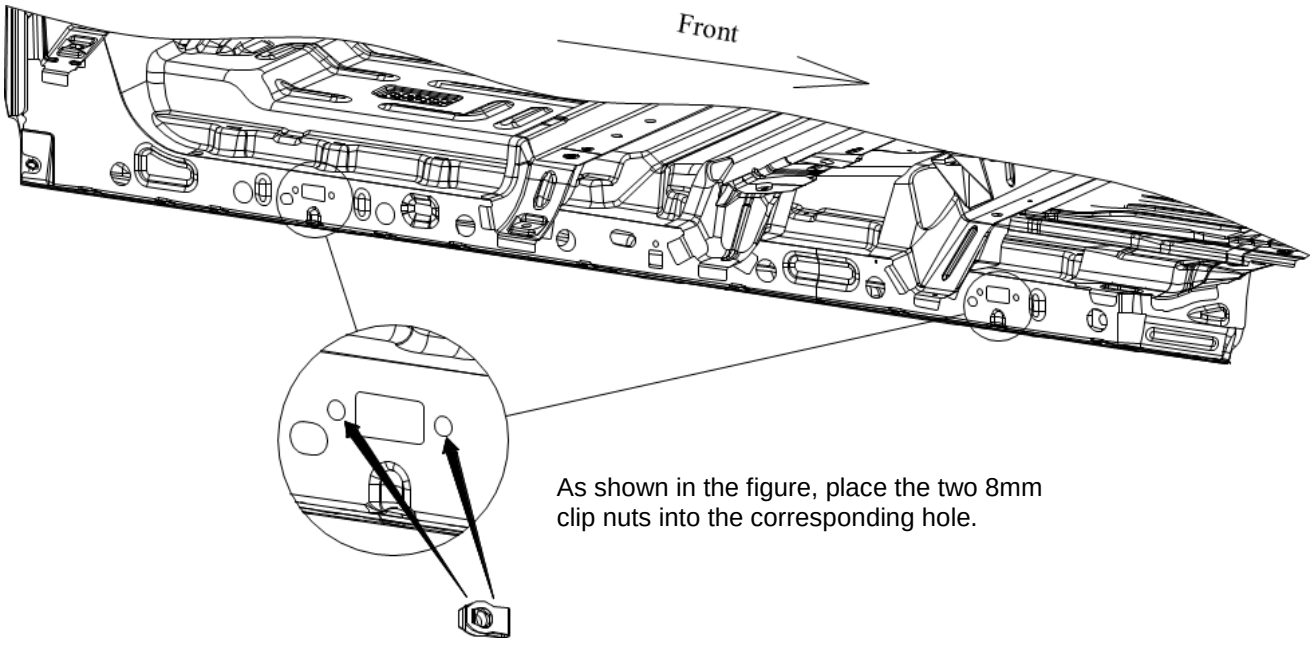
Motor Linkage Left Installation



Hex head bolt M8x35
8mm Spring Washer
8mm Flat Washer

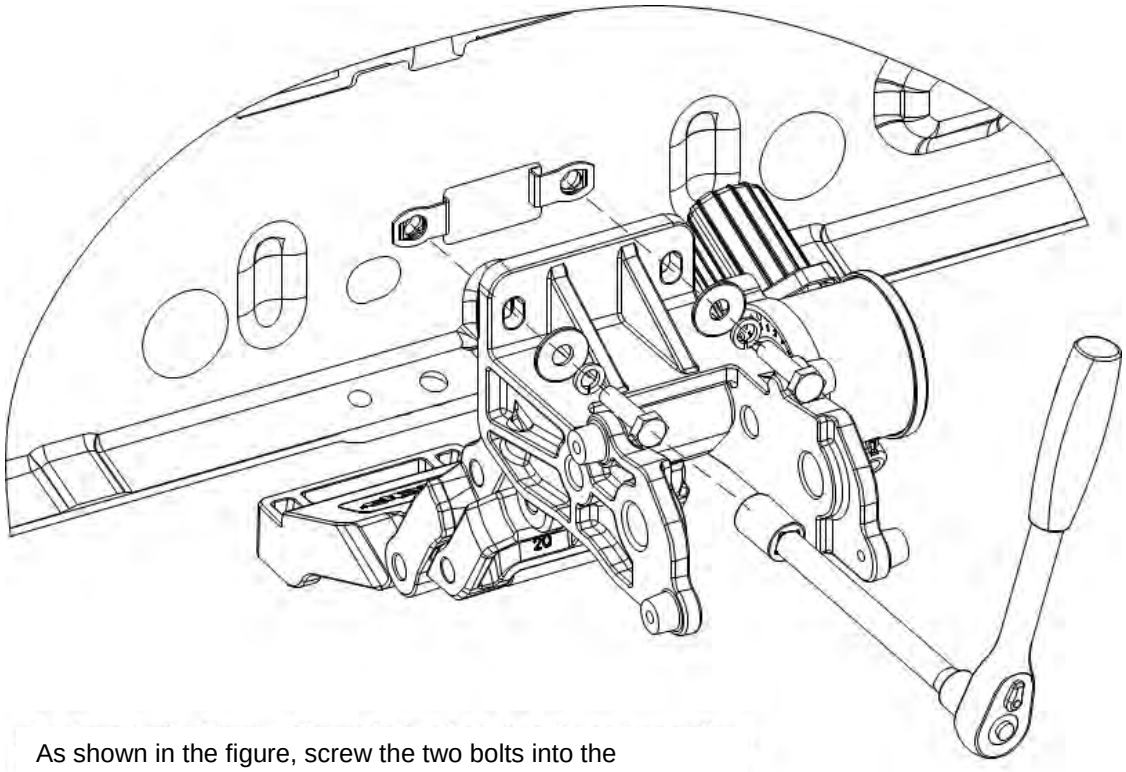
B-type clip nut

Hexagon bolt M8x30
8mm Spring Washer
8mm Flat Washer

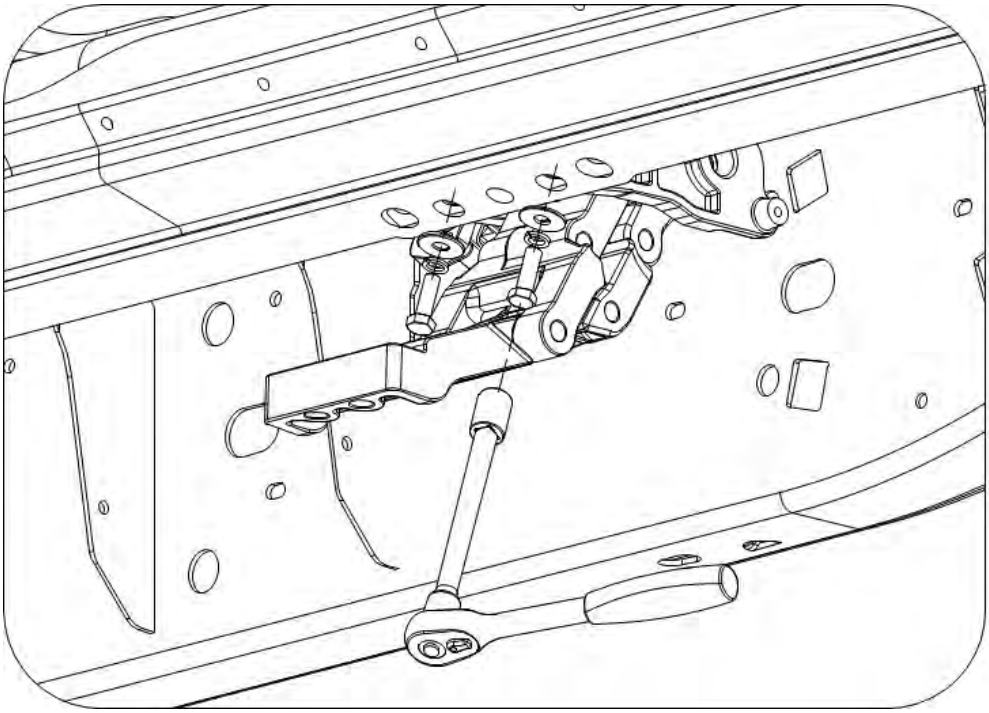


As shown in the figure, place the two 8mm clip nuts into the corresponding hole.

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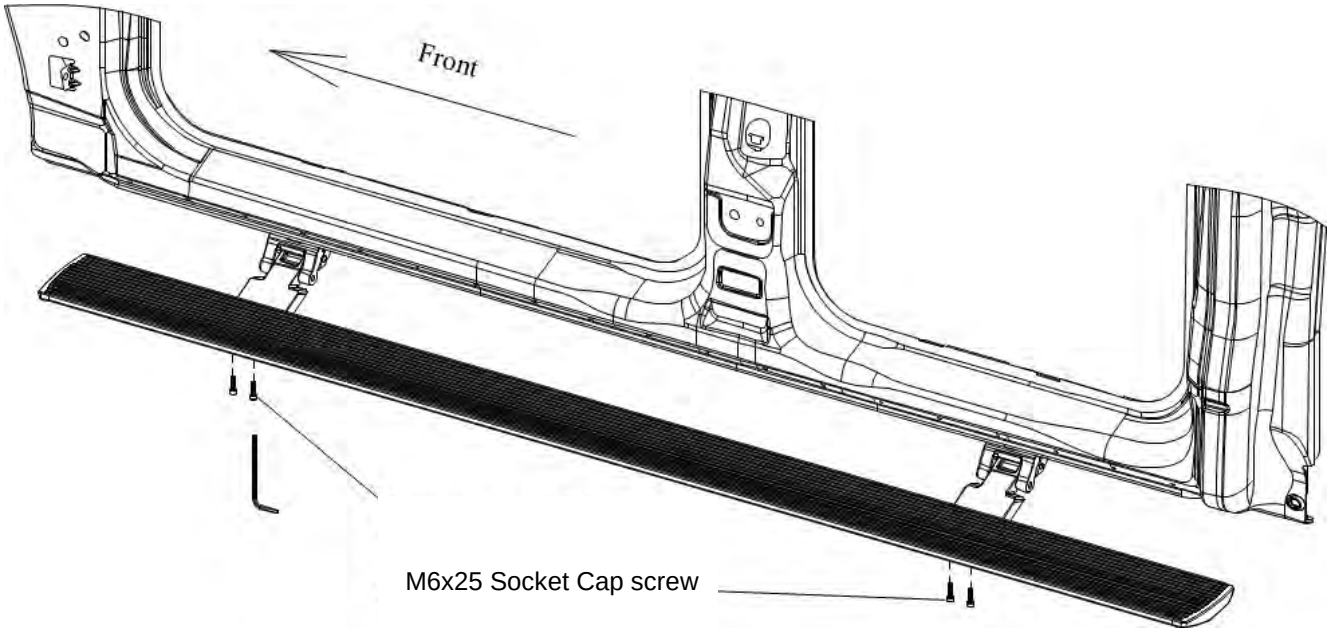


As shown in the figure, screw the two bolts into the corresponding holes. Do not fully tighten at this time.



As shown in the figure , Screw the two bolts into the corresponding hole, don't tighten the two bolts in the figure for the time being. Just ensure that the active mechanism will not shake.

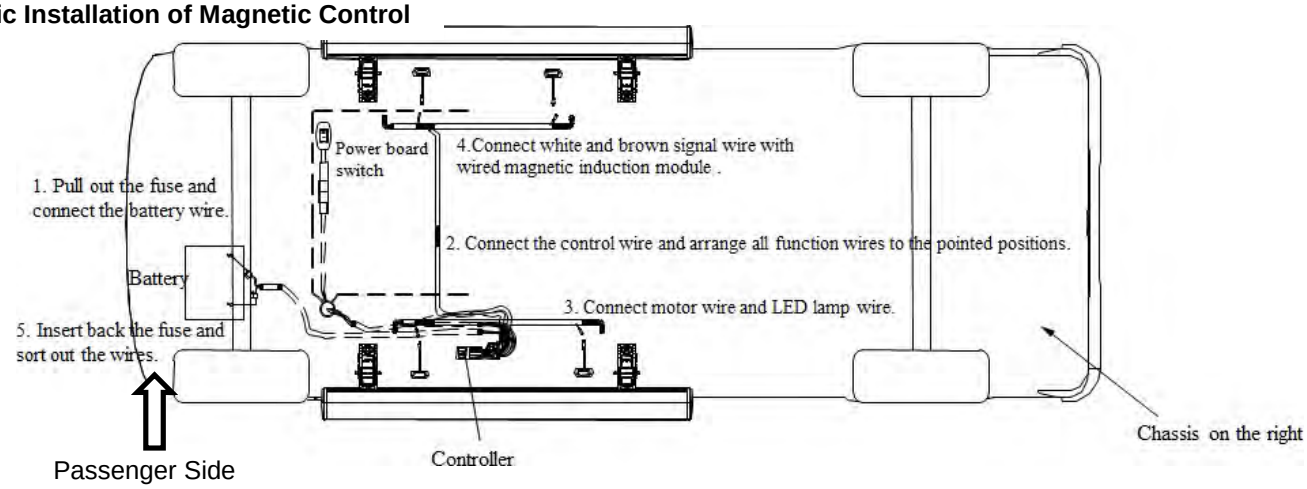
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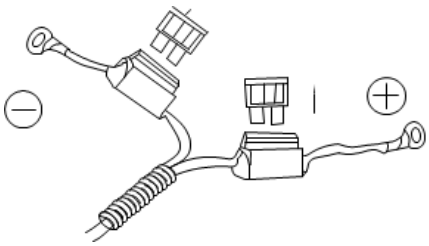


Install the step board onto the driver front and rear motor brackets. Secure the board using (2) M6 x 25 Socket Cap Screw bolts into each motor bracket. Center the step to the cab of the vehicle. Do not tighten at this time, snug only using a 5mm Allen. Adjust the board to desired position. When desired position is achieved, torque the M6 bolts to 10 lb-ft and the M8 bolts to 22 lb-ft.

Repeat installation for the passenger side.

Electric Installation of Magnetic Control





Step 1: Find the fused end links of the wiring harness and remove the two fuses. Connect the positive and negative ends of the wiring harness to the respective vehicle battery terminals.
NOTE: The battery wire should not be modified.

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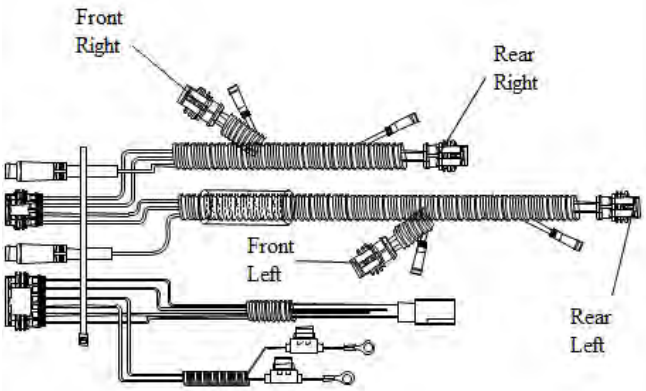


Figure 1

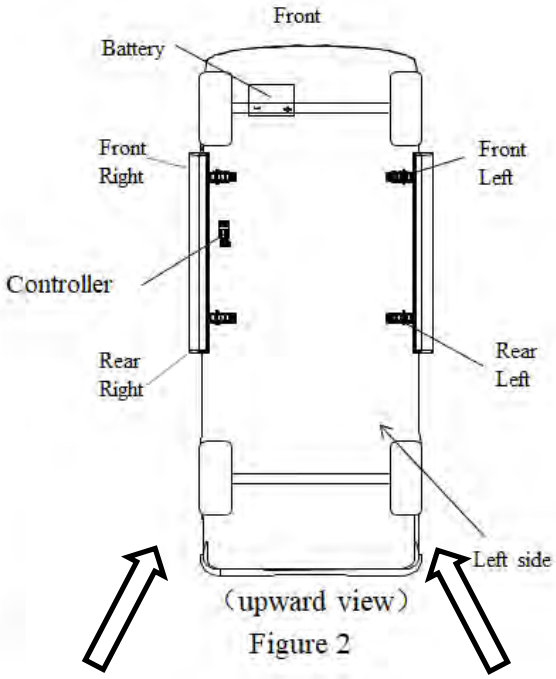
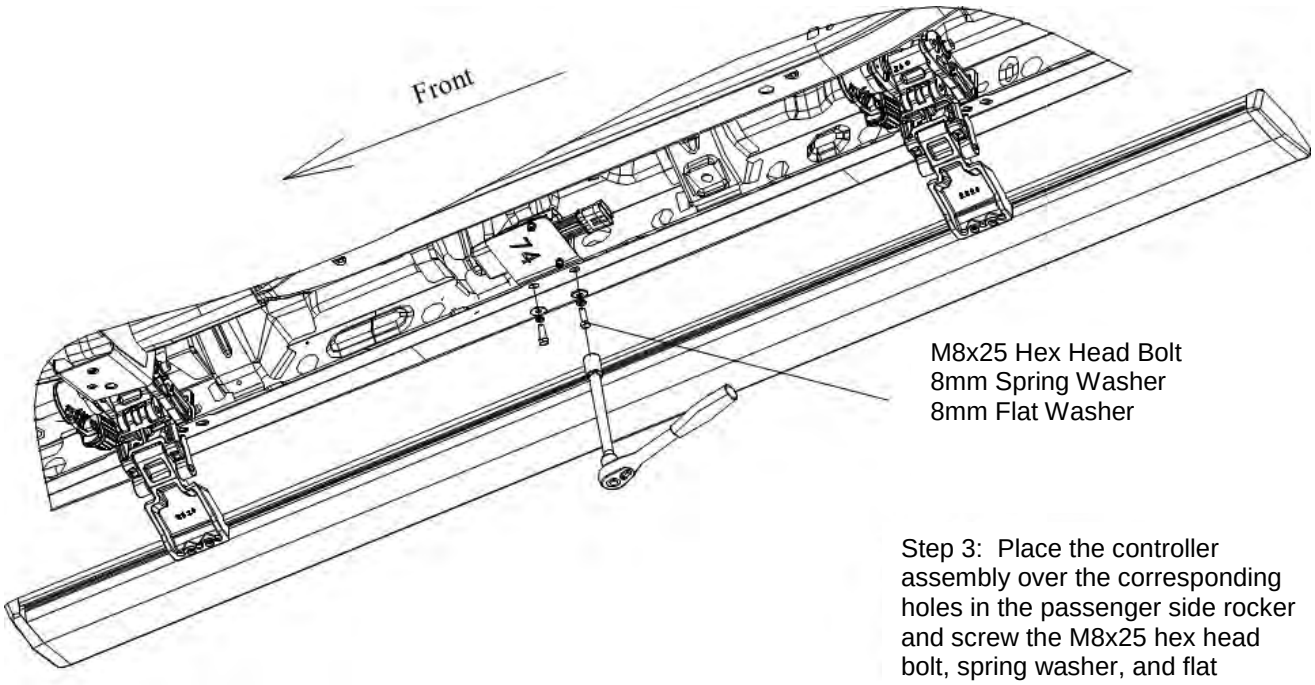


Figure 2

Passenger Side

Driver Side

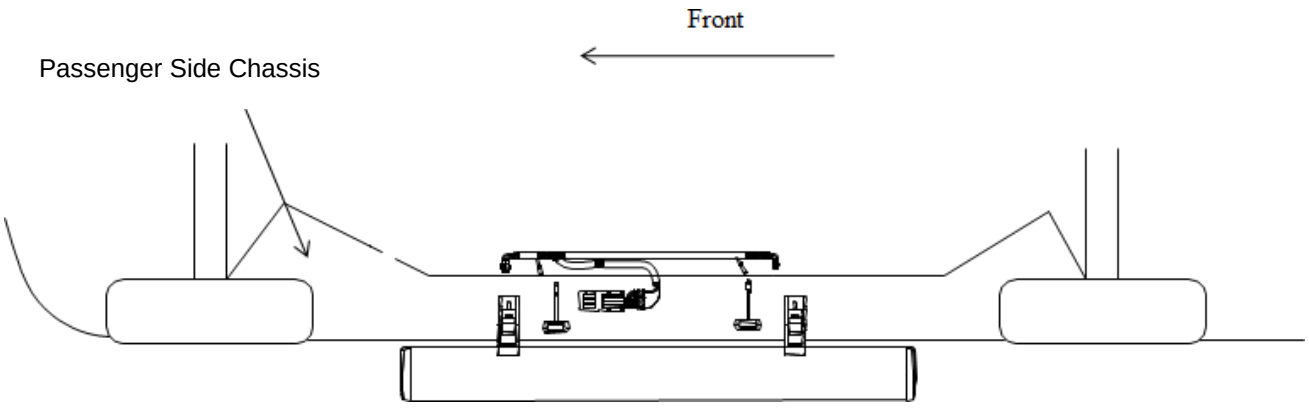
Step 2: Figure 1 is of the wiring harness and Figure 2 is the installation diagram of the vehicle when viewed from below. When installing the wiring harness, make sure the four connectors go to the corresponding motor linkage (ex. Front Right).



M8x25 Hex Head Bolt
8mm Spring Washer
8mm Flat Washer

Step 3: Place the controller assembly over the corresponding holes in the passenger side rocker and screw the M8x25 hex head bolt, spring washer, and flat washer into the threaded holes. Torque to 26 lb-ft.

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Step 4: Run the wiring harness along the frame of the passenger side of the vehicle. Secure the harness with wire ties. Make sure to avoid rubbing and pinch points along the path.

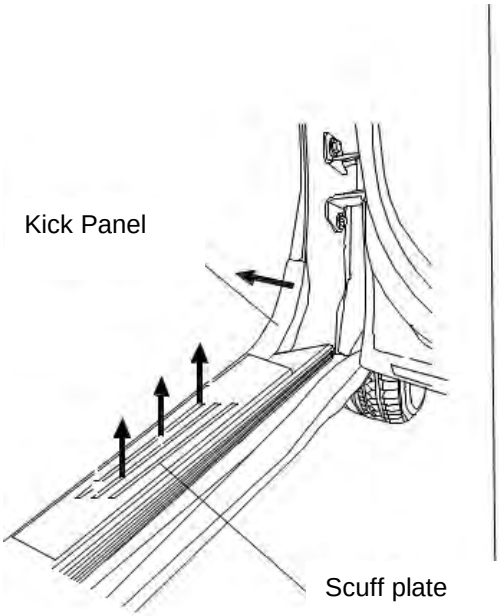


Figure 1

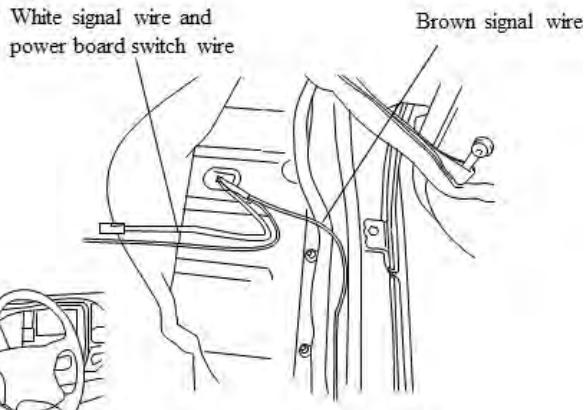


Figure 2

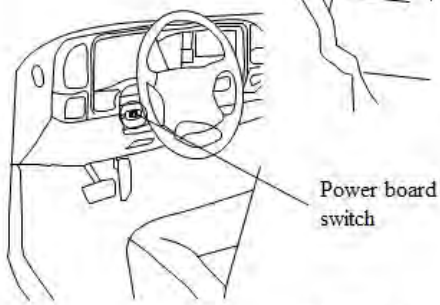
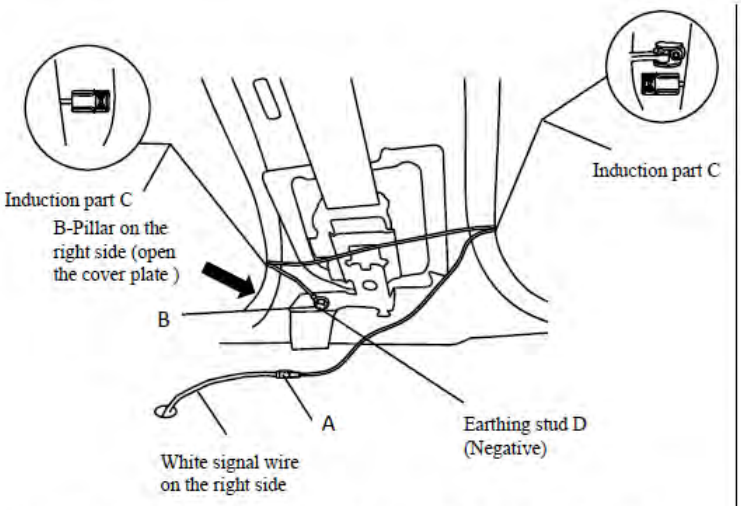
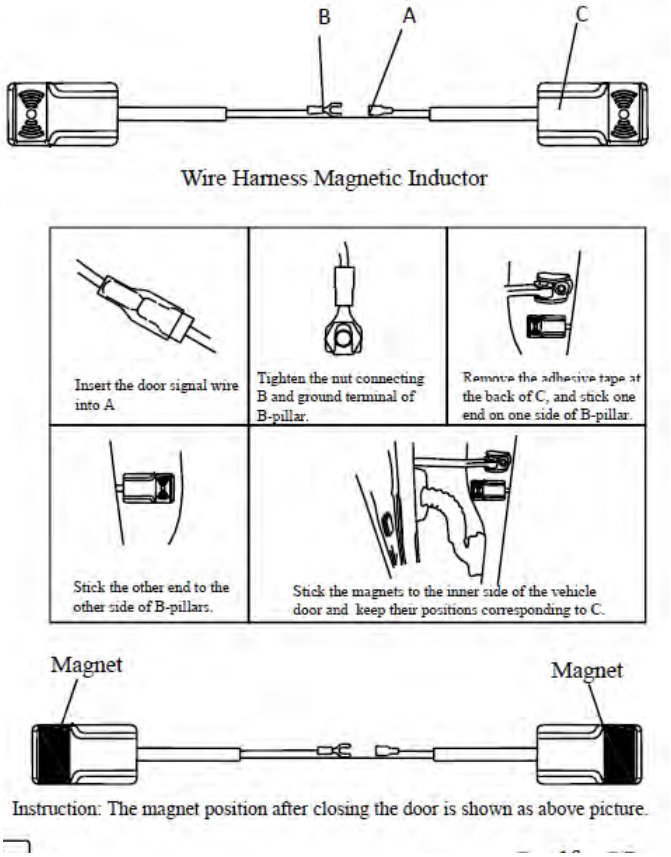


Figure 3

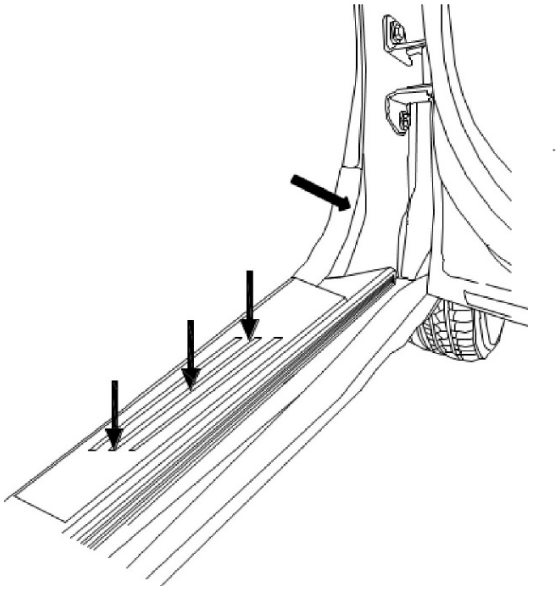
Step 5: Pry the scuff plate and kick panel in Figure 1. Pull the brown signal wire into the vehicle through the rubber grommet of the chassis on the passenger side in Figure 2. The white signal wire extends to the driver side of the vehicle under the carpet. Stick the power board switch to the left side under the steering wheel in Figure 3.

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Step 6: Open the cover plate of the B-pillar on the passenger side of the vehicle. Expose the part as shown above. Connect the brown signal wire to terminal A of the magnetic inductor. Loosen the ground stud D and connect the fork terminal B to the ground stud and tighten. Stick the induction part C to both sides of the B-pillar and stick the magnet on the vehicle on the inside of the door so it lines up with the induction part C. The installation with the white signal wire is the same as installation with the brown signal wire.

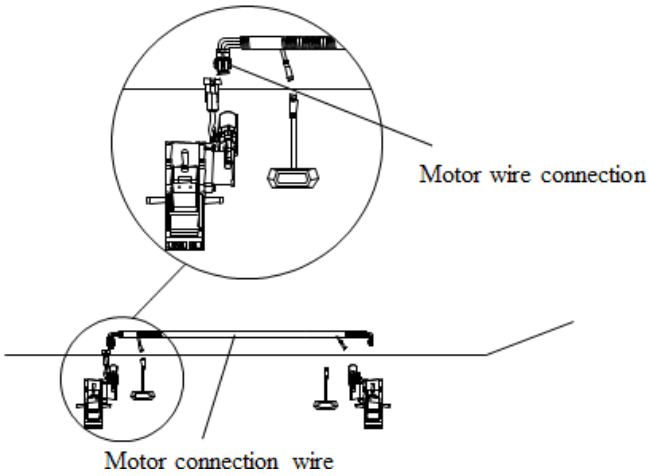


Step 7: Sort out the wiring harness and close the panels. The installation of the white signal wire on the driver side is the same as the passenger side.

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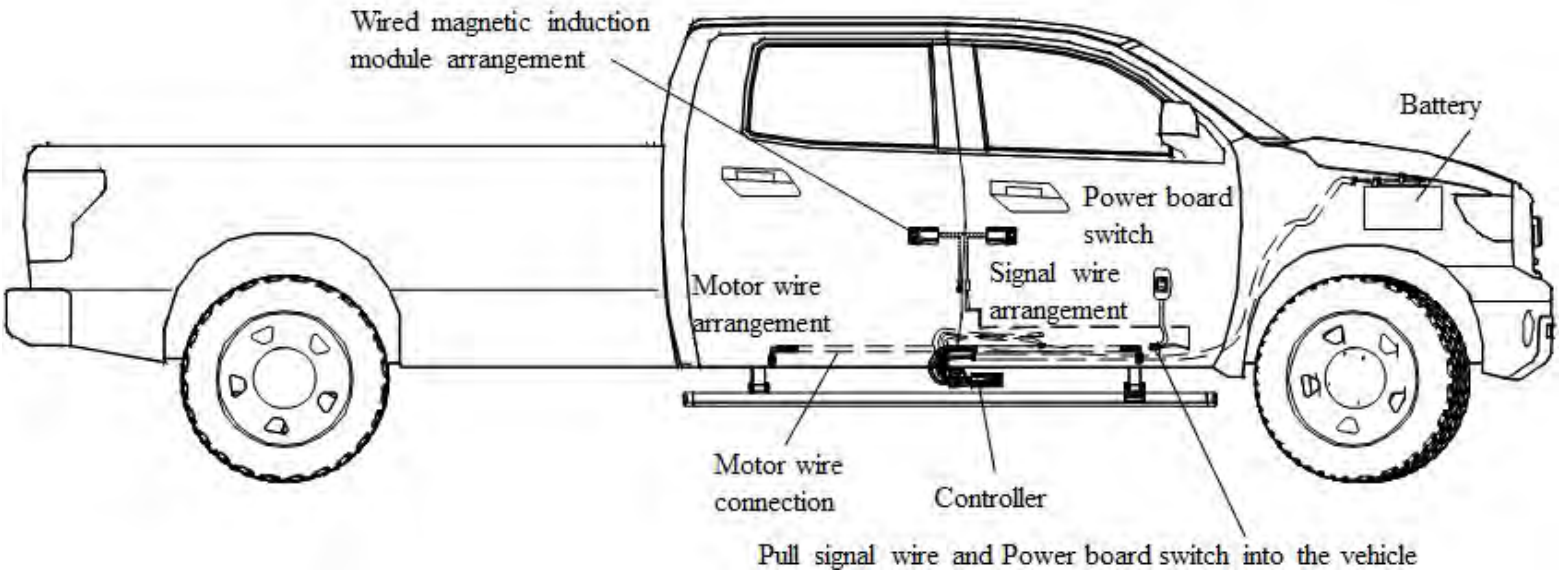
Step 8: Clean the surface where the LED lights will go with a rag and cleaner. Remove the double-sided adhesive sticker behind the LED light and stick it to the side of the car skirt in desired location.



Step 9: Insert the fuses back into the fused links and tidy the wiring harness to avoid pinch points and rubbing. Test to make sure the power board is working normal.

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Summary of Electric Part

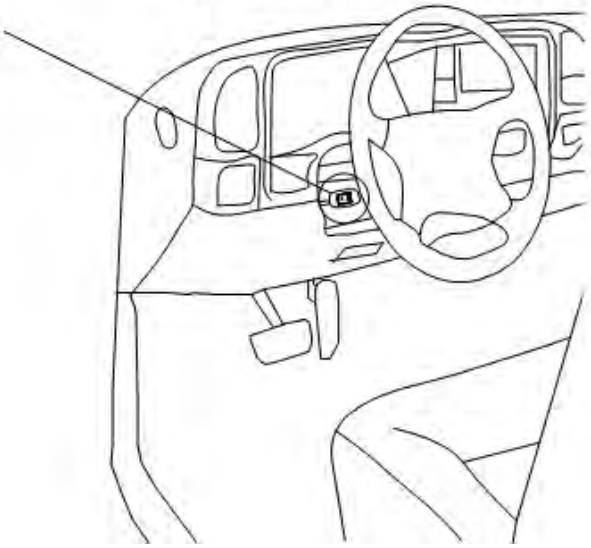


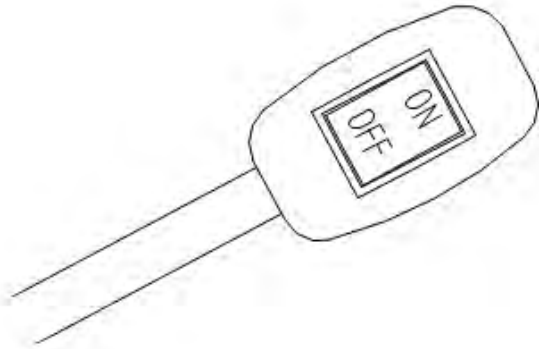
Check out the Power board switch of controller to make sure it is off. Insert back the fuse , arrange the wire harness in order. Check if all the wires are connected well and test if the power board can work normally . If it can work normally ,the board installation is completed. (If it can not work normally , please check the completeness of installation of each part.)

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Instructions of Power Board Switch

Stick the power board switch with 3M tape under the left side of steering wheel.





I. Function of power board switch

Turn off the switch when no need of power board or inconvenience of power board , then the power board will automatically get back and stop working to avoid any impact when use the vehicle .

II. Power board switch using method:

1. Press power board switch button to set "ON". And at the same time, the steps will automatically go back and stop working.
2. Press the power board switch button to set "OFF". And at the same time, the power board will return to its normal working status.

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Torque Specs:

Size	Grade 5	Grade 8	Size	Class 8.8	Class 10.9
5/16"	15 ft/lbs	20ft/lbs	6MM	5ft/lbs	9ft/lbs
3/8"	30 ft/lbs	35ft/lbs	8MM	18ft/lbs	23ft/lbs
7/16"	45 ft/lbs	60ft/lbs	10MM	32ft/lbs	45ft/lbs
1/2"	65 ft/lbs	90ft/lbs	12MM	55ft/lbs	75ft/lbs
9/16"	95 ft/lbs	130ft/lbs	14MM	85ft/lbs	120ft/lbs
5/8"	135ft/lbs	175ft/lbs	16MM	130ft/lbs	165ft/lbs
3/4"	185ft/lbs	280ft/lbs	18MM	170ft/lbs	240ft/lbs

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