

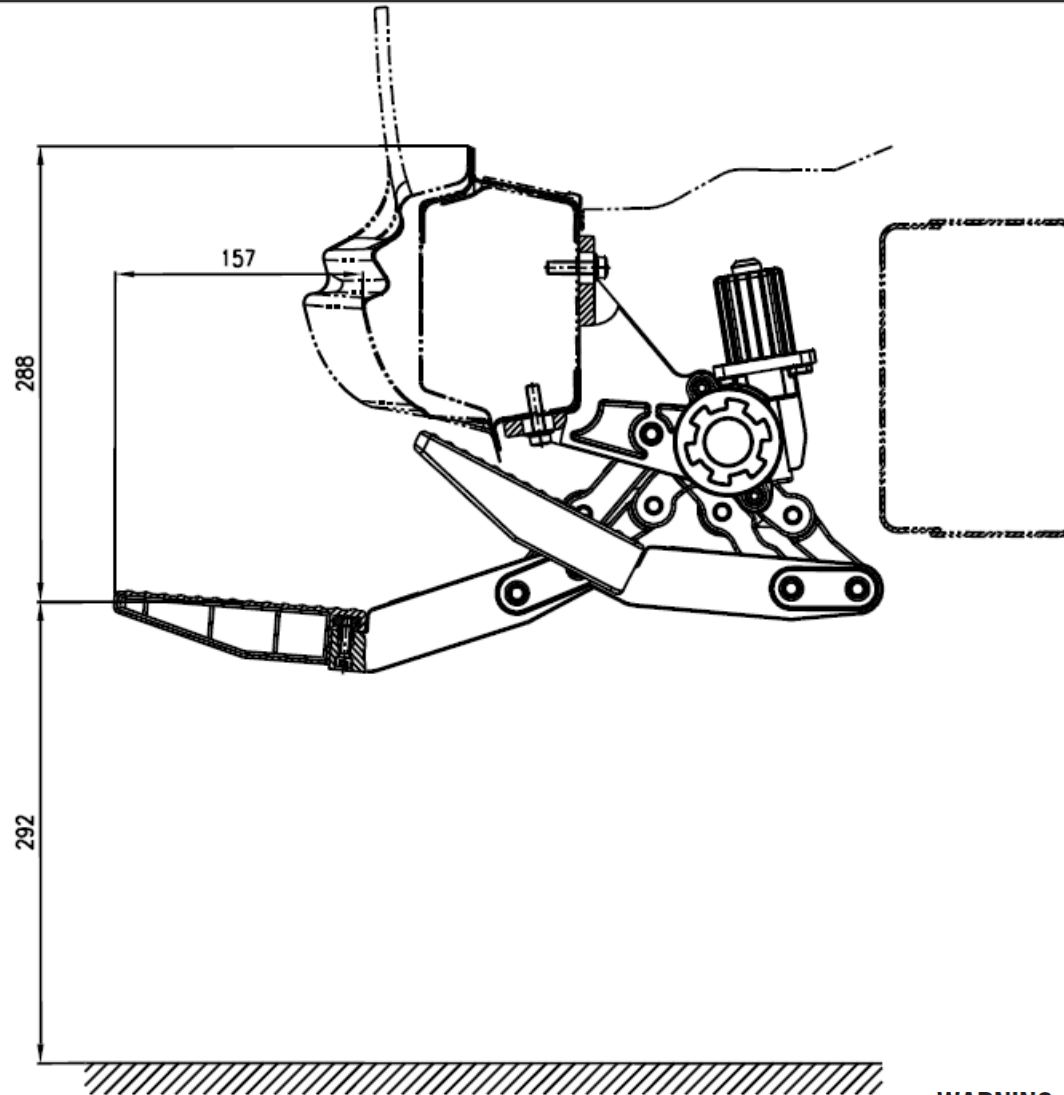


STEALTH POWER™

RUNNING BOARDS

RBP-128-SP 2019 Silverado 1500 Ext/Double Cab
RBP-129-SP 2019 Silverado 1500 Crew Cab

INSTALLATION GUIDE



Product Technical Specification

Rated Voltage: 12V

Specified Load: $\leq 350\text{kg}$

Gross Weight: RBP-128-SP 34.8kg

RBP-129-SP 36kg

Forward extension size: 157mm

(Horizontal distance between the edge of power board and the vehicle door when the board extends)

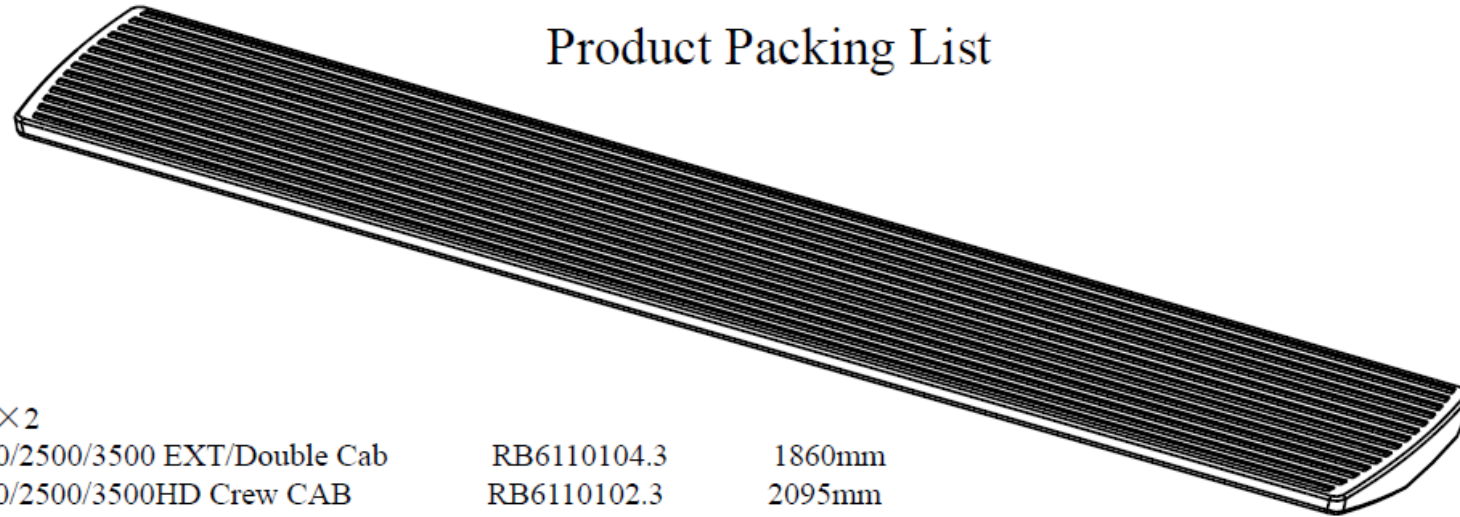
Board falling dimension: 288mm

(Vertical height difference between the edge of power board and the vehicle door while board extending.)

(Both dimensions of forward and falling are theoretical, which may vary due to uncertainties such as installation error, manufacturing errors of vehicle bottom and etc.)

WARNING: Keep a minimum of 10" safe distance while the Stealth Power™ Running Board is operating to avoid any personal injury or damage to the running boards. Stealth Power™ Running Boards are not designed to provide vehicle body protection. Components can be damaged by hard impact or contact with foreign objects.

Product Packing List



① - Board Assembly × 2

Silverado/Sierra 1500/2500/3500 EXT/Double Cab

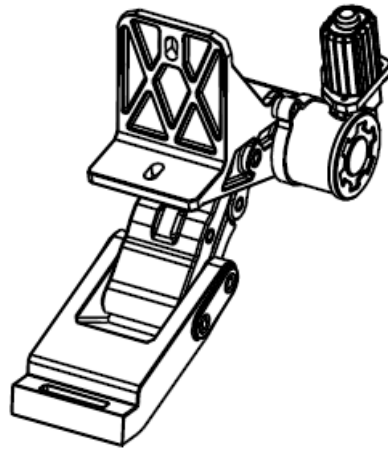
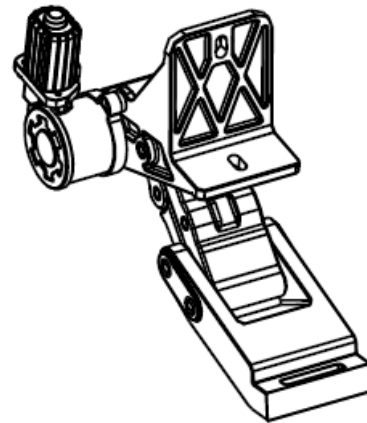
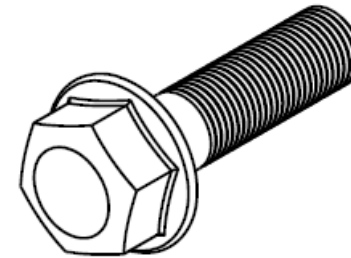
RB6110104.3

1860mm

Silverado/Sierra 1500/2500/3500HD Crew CAB

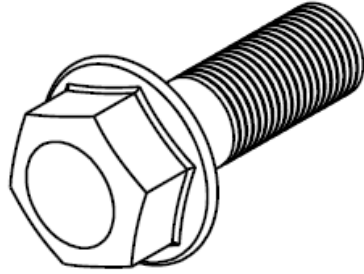
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2095mm

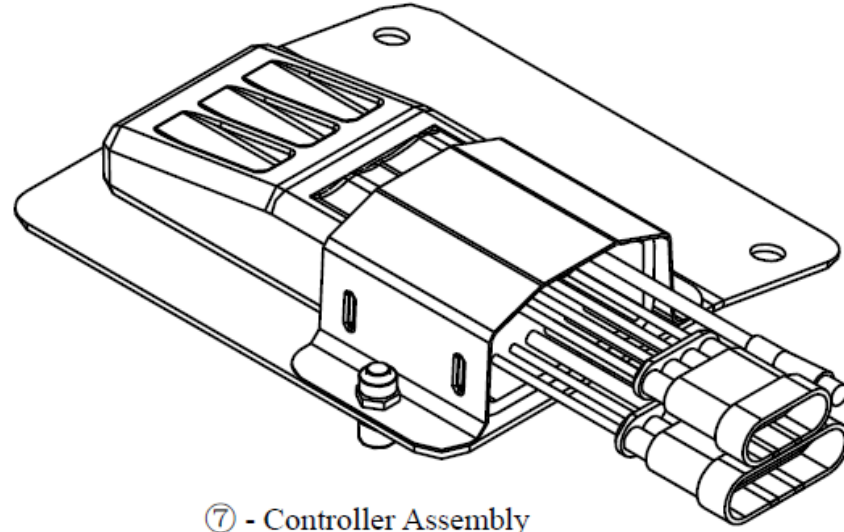

 ② - Front Motor Linkage Left × 1
 Rear Motor Linkage Left × 1
 6114100.1L

 ③ - Front Motor Linkage Right × 1
 Rear Motor Linkage Right × 1
 6114100.1R

 ④ - Hexagon Flange Bolt × 8
 QC/T340-1999 M8 × 30

 ⑤ - Socket Cap Screw × 8
 GB/T70.1-2000 M6 × 25

Silverado/Sierra-2019



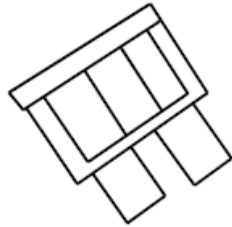
⑥ - Hexagon Flange Bolt ×2
QC/T340-1999 M8×25



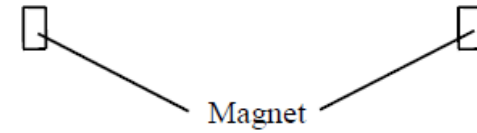
⑦ - Controller Assembly
6114100.4.4ZJ



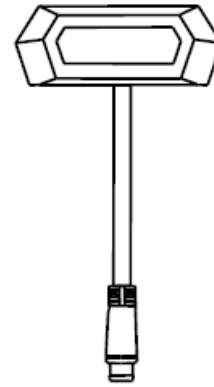
⑧ - Wire Tie ×25
GB/T22344-2008 5×300



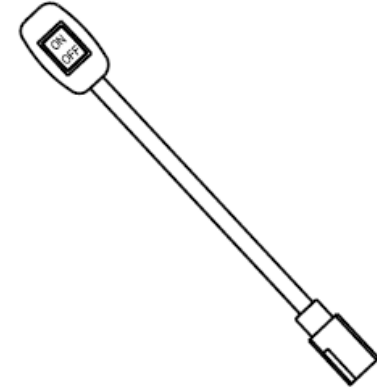
⑨ - Fuse ×2



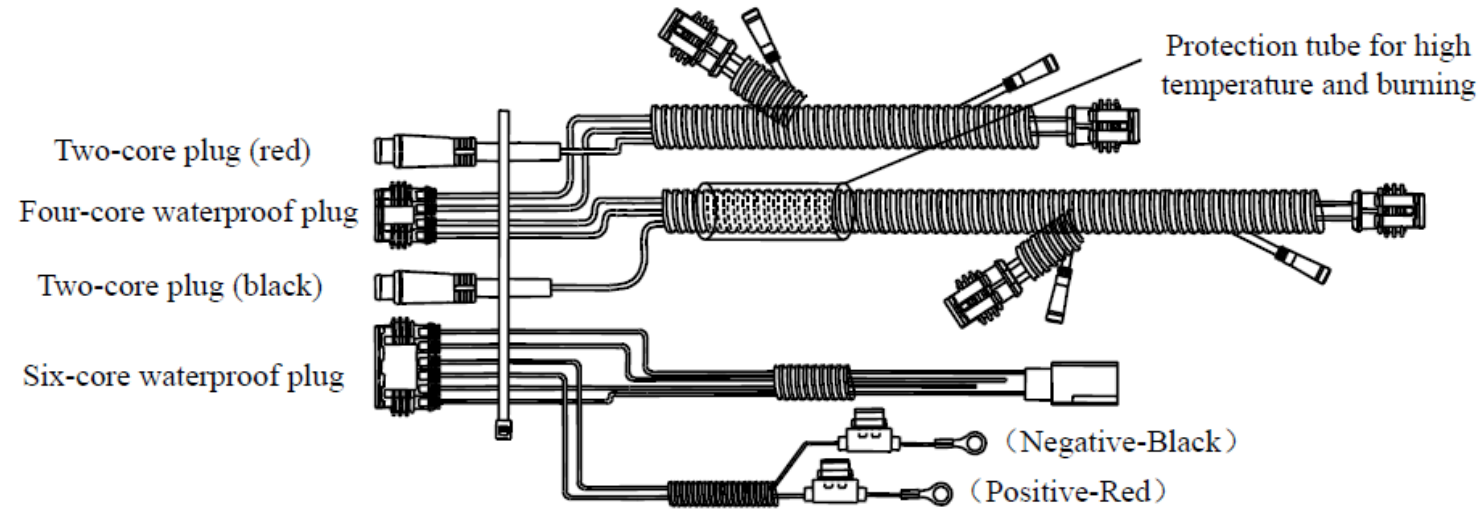
⑩ - Wired Magnetic Induction
Module ×2
- Magnet ×4



⑪ - LED Lamp ×4
6161100.4.8
(Optional)

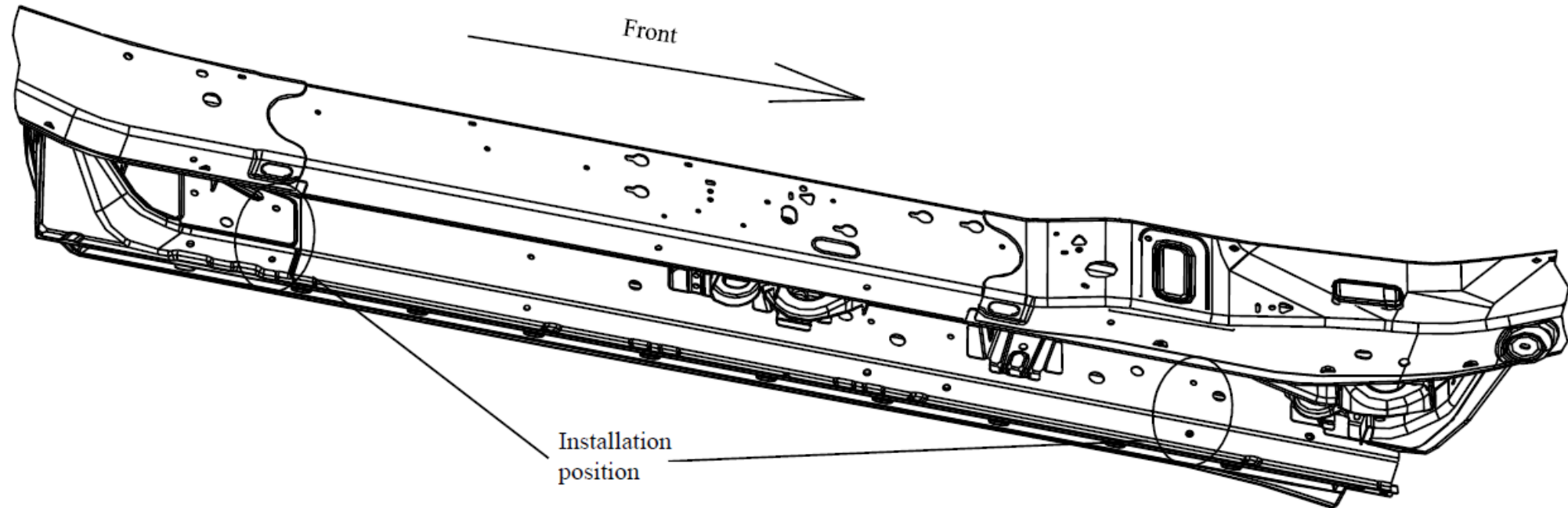


⑫ - Power Board Switch ×1
6124151.4.9

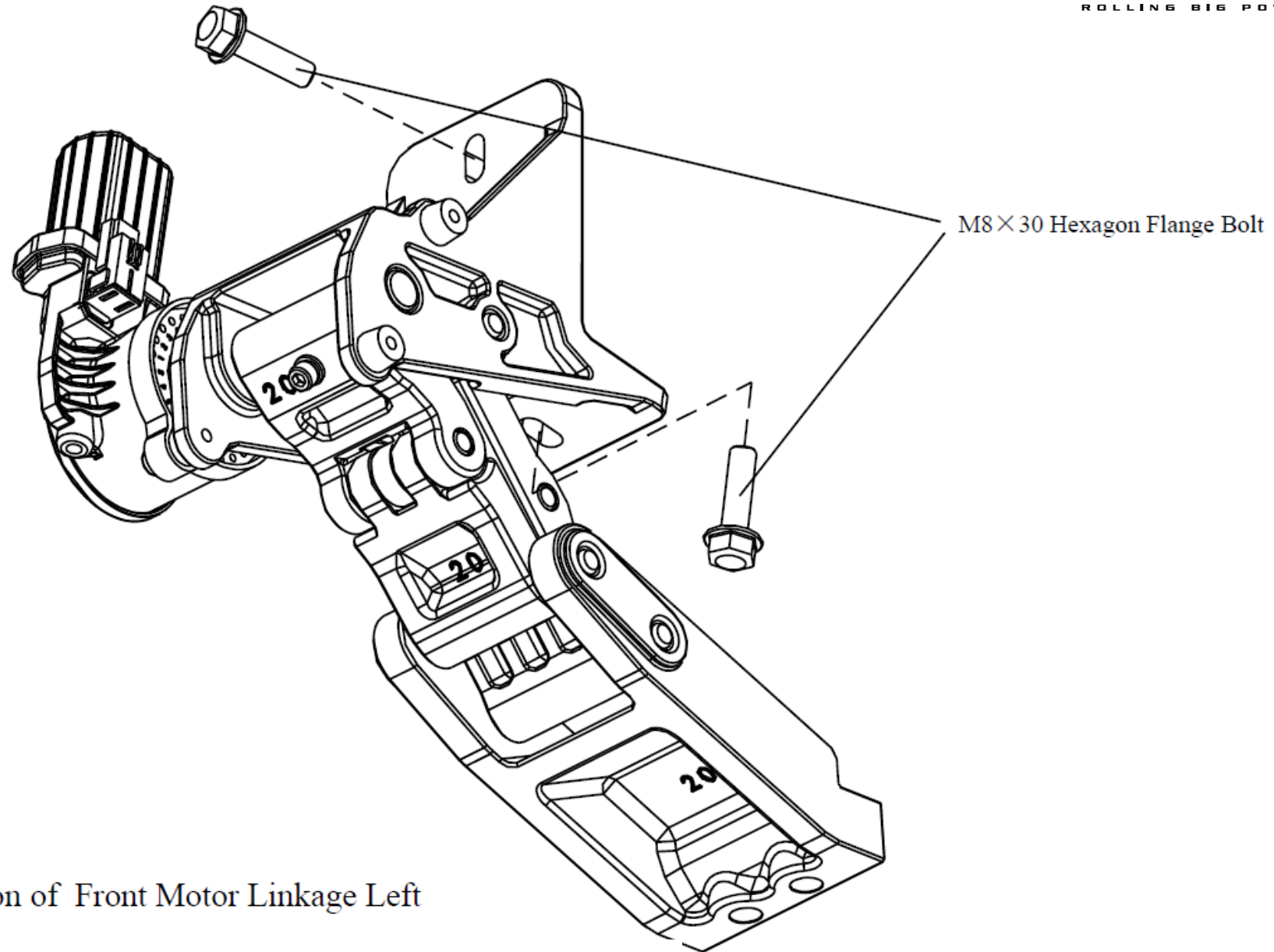


⑬ - Control Input Wire ×1 6114100.4.1

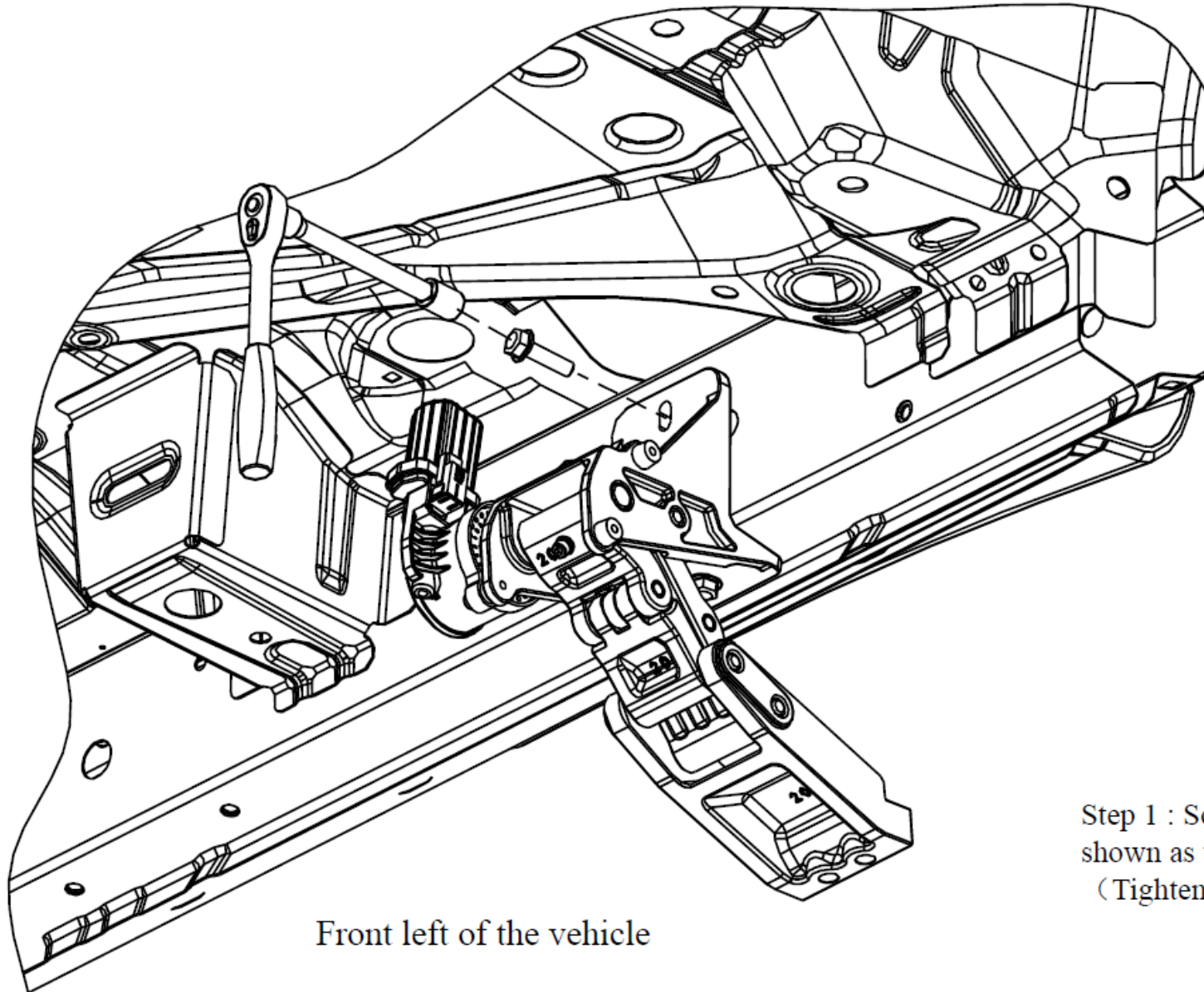
Mechanical Installation



Installation Position On the Left Side

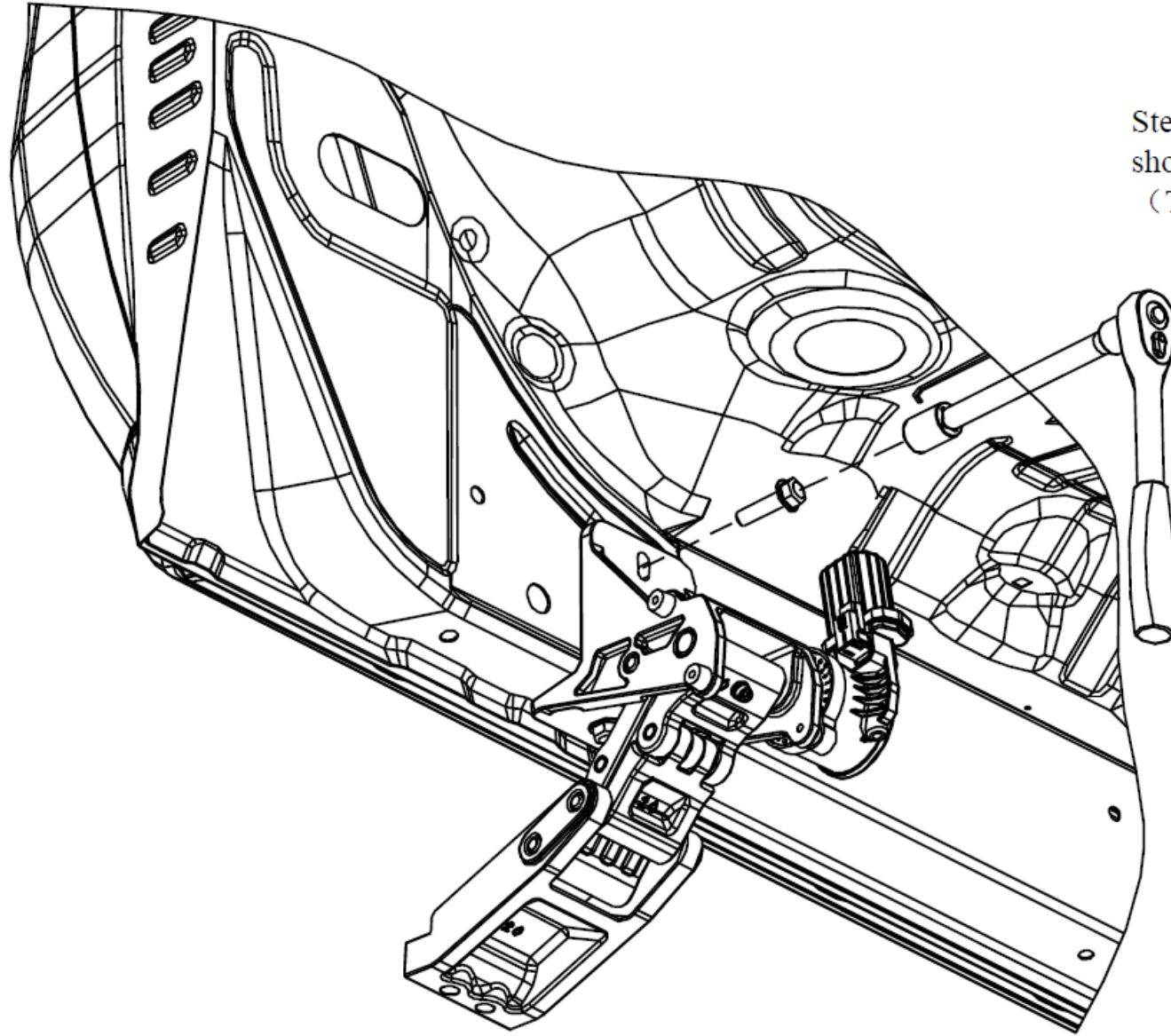


Installation of Front Motor Linkage Left



Front left of the vehicle

Step 1 : Screw the bolts in the holes shown as the picture ,then tighten them (Tighten torque is 35 Nm) .



Step 2: Screw the bolts in the holes shown as the picture ,then tighten them (Tighten torque is 35 Nm) .

Rear left of the vehicle

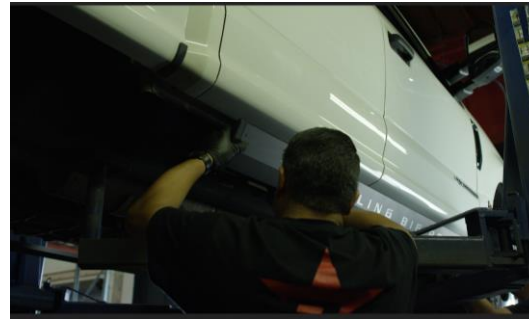
Step 3. Install the Driver Side running board.

3a. Begin by propping up the running board on the front and rear motor assembly bases.

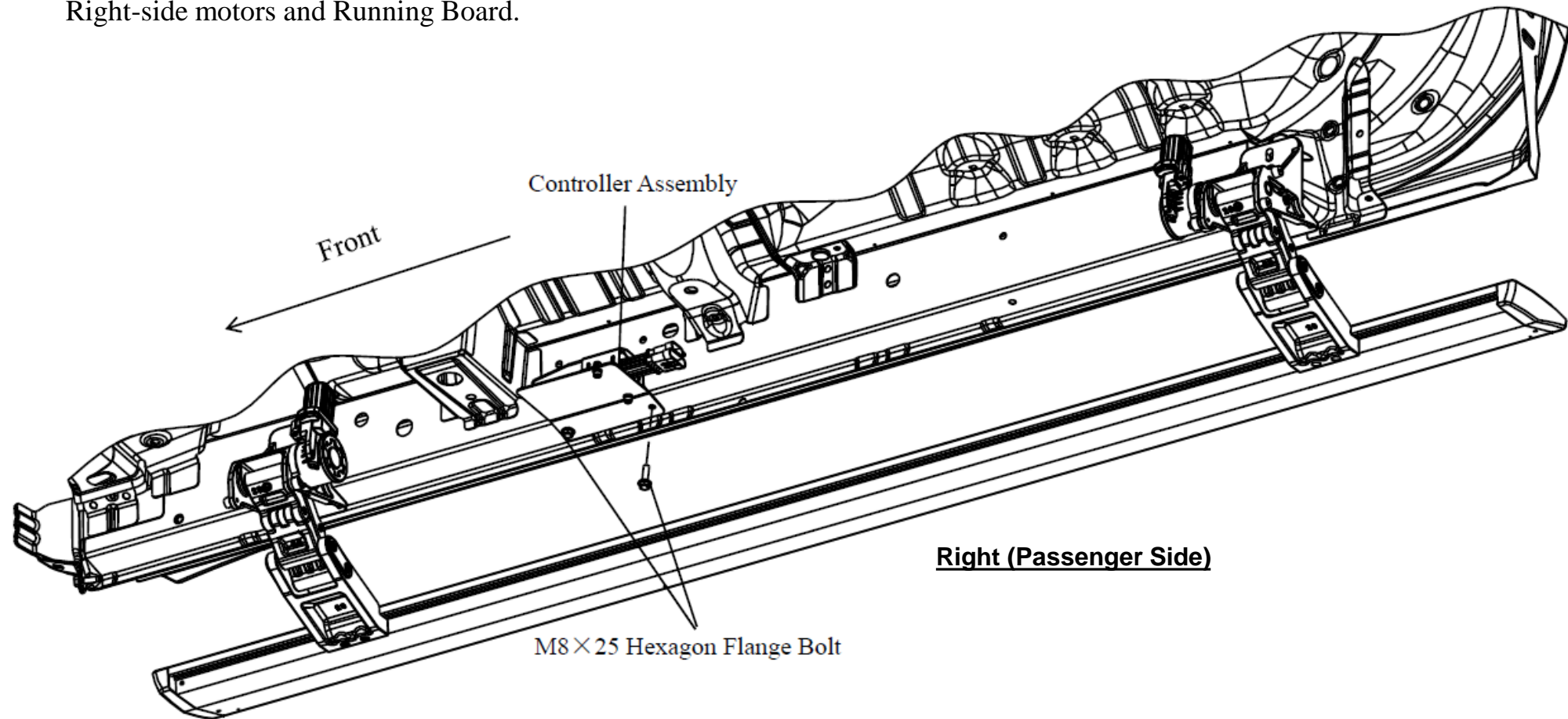
3b. Next align the sliding T-Nut assemblies on the running board with the slots on the front and rear motor bases.

3c. Once the T-nuts are aligned, rotate the running board so that the T-nuts drop into the slots on the base of the arms.

3d. Secure the running board to the arms using the M6 x 25 socket head cap screws. Using a torque wrench, tighten to 9 ft-lbs.



Step 4. Follow steps 1-3 to install the Right-side motors and Running Board.



Step 5. Install the controller bracket on the Right Side as shown.
(Torque to 30Nm)

Step 6. Locate the electrical pigtail with the female socket connector on the passenger side front and rear motors. Route the electrical harness from the controller along the frame rail of the truck. Connect the male plug connector on the wire harness into the female socket on the motor. The harness is labeled Front Right for the front Passenger motor and Rear Right for the rear Passenger motor.



Step 7. Align the arrows on the small round connectors and plug the Passenger side front and Passenger side rear LED lights. Prepare the surface by cleaning with a 50/50 mix of isopropyl alcohol and water or equivalent. Once the surface is completely dry, peel the backing from the double-sided tape and stick the LEDs to the bottom side of the rocker panel. Stick the LED lights at the center of the front and rear passenger side doors.



Step 8. Route the motor and LED wire harness from the controller on the Passenger side of the vehicle to the Driver side frame rail of the vehicle. When routing the harness keep clear from any moving parts and avoid direct contact with the exhaust system.

Step 9. Locate the electrical pigtail with the female socket connector on the passenger side front and rear motors. Connect the male plug connector on the wire harness into the female socket on the motor. The harness is labeled Front Left for the front Driver side motor and Rear Left for the rear Driver side motor.



Step 10. Align the arrows on the small round connectors and plug the Driver side front and Driver side rear LED lights. Prepare the surface by cleaning with a 50/50 mix of isopropyl alcohol and water or equivalent. Once the surface is completely dry, peel the backing from the double-sided tape and stick the LEDs to the bottom side of the rocker panel. Stick the LED lights at the center of the front and rear driver side doors.



Step 11. On the passenger side, remove the front kick panel, front door sill trim panel, and b-pillar trim panel. Pull the front passenger carpet back and drill a 7/16" hole on the plastic grommet as shown



Step 12. Feed the door trigger signal wires (white and brown) and the disable switch wires (two black wires) into the cab. Seal around the wires using RTV silicone adhesive to prevent water intrusion.



Step 13. Route the passenger side door trigger wire (brown) towards the passenger side b-pillar. Route the driver side door trigger wire (white) and the black disable switch wires under the center console to the left side of the vehicle. The white wire needs to go to the driver side b-pillar, the black wires will go to the center console.



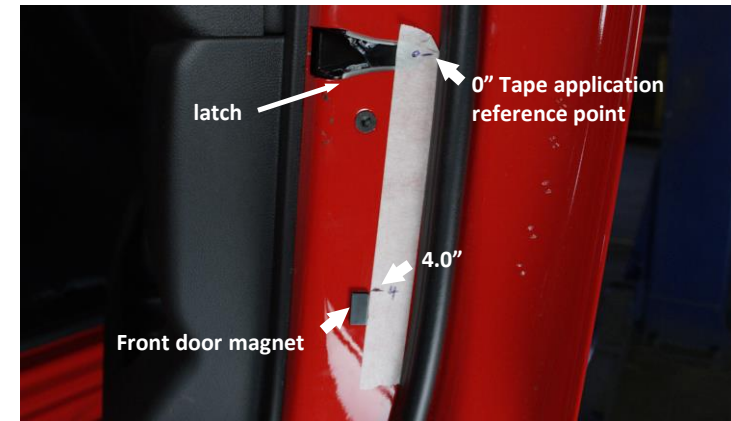
Step 14. The door trigger sensor harness will need a ground connection to the vehicle. Locate the seat belt assembly at the passenger side b-pillar and install the ground wire under the top bolt of the seat belt assembly.



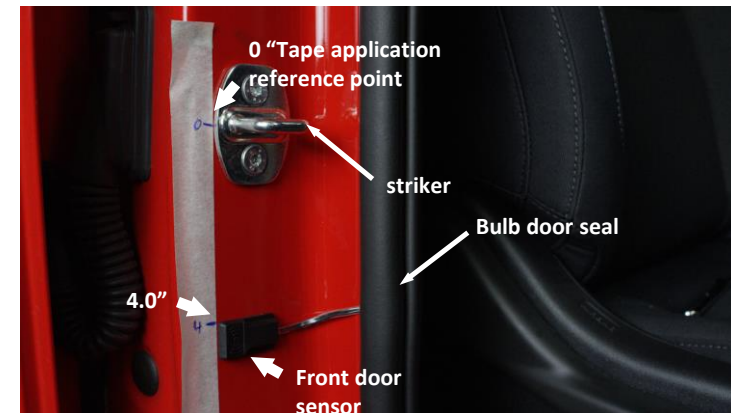
Step 15. Connect the snap in bullet connector to the brown wire on the passenger side.



Step 16. Apply a vertically oriented strip of masking tape on the front passenger side door using the deepest part of the latch as a reference point. Make a mark 4.0" below the center line of the latch. Prepare the surface by cleaning with a 50/50 mix of isopropyl alcohol and water or equivalent. Once the surface is completely dry, peel the backing from the double-sided tape and stick the magnet to the door. Align the top of the magnet with the 4.0" mark as shown.



Step 17. Apply a vertically oriented strip of masking tape on the door jamb using the outer edge of the front passenger side door striker as a reference point. Make a mark 4.0" below the center line of the striker. Lift the bulb door seal to route the sensor wire underneath it. Prepare the surface by cleaning with a 50/50 mix of isopropyl alcohol and water or equivalent. Once the surface is completely dry, peel the backing from the double-sided tape and stick the sensor to the b-pillar. Align the top of the sensor with the 4.0" mark as shown.



Step 18. Apply a vertically oriented strip of masking tape on the rear passenger side door jamb using the outside edge of the door detent mounting bracket as a reference point. Make a mark 2.0" below the center line of the door detent. Prepare the surface by cleaning with a 50/50 mix of isopropyl alcohol and water or equivalent. Lift the bulb door seal to route the sensor wire underneath it. Once the surface is completely dry, peel the backing from the double-sided tape and stick the rear door sensor to the door jamb. Align the top of the sensor with the 2.0" mark as shown.

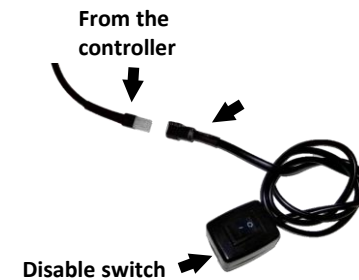


Step 19. Lay a vertically oriented strip of masking tape on the rear passenger side door using the inner edge of the door detent as a reference point. Make a mark 2.0" below the center line of the rear door detent. Prepare the surface by cleaning with a 50/50 mix of isopropyl alcohol and water or equivalent. Once the surface is completely dry, peel the backing from the double sided-tape and stick the magnet to the b-pillar. Align the top edge of the magnet with the 2.0" mark as shown.

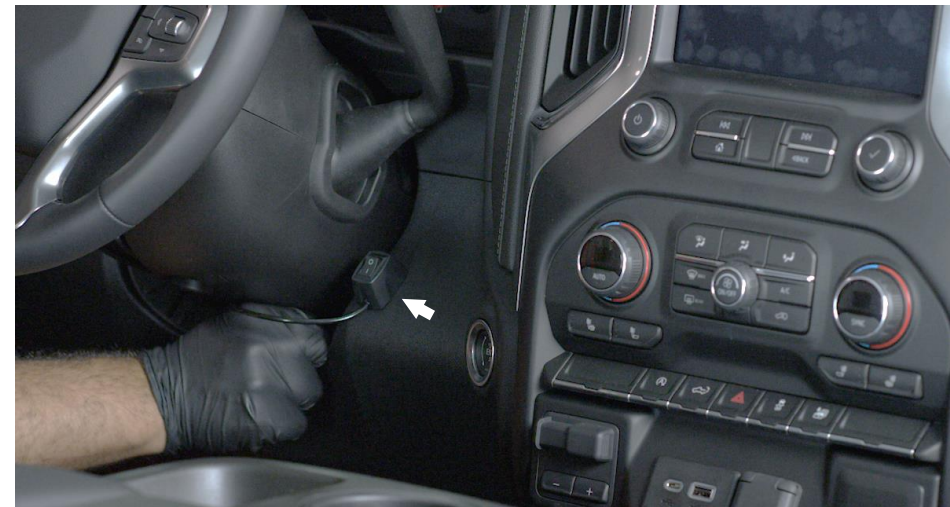


Step 20. Repeat steps 16-19 to install the driver side door trigger sensors and magnets. The driver side door trigger harness is connected to the white wire that was routed under the carpet to the driver side b-pillar in step 13.

Step 21. Route the disable switch wire harness behind the lower dash panel just right of the steering column. Plug the disable switch connector into the black wire socket on the harness from the controller that was routed under the carpet to the center console in step 13.



Step 22. Prepare the surface by cleaning with a 50/50 mix of isopropyl alcohol and water or equivalent. Once the surface is completely dry, peel the backing from the double-sided tape and stick the disable switch on the lower dash panel.



Step 23. Remove the 20 Amp fuses from the main positive and negative 12V power leads on the main harness. Route the power wires over the wheel well and into the engine compartment. Connect the ring terminals to the battery positive and negative posts.



Step 24. Connect the battery. Begin with the positive terminal, followed by the negative terminal.

Step 25. Install the 20 Amp fuses back on the main negative and positive 12V power leads of the main power harness.



Step 26. Open and close all four doors to test the operation of your new Stealth Power Running boards. Please note that there is a 4 second delay for the running boards to retract after the doors are closed.

Step 27. Open the driver side door and keep the door open. Flip the disable switch to the “O” or Off position. This will signal the running boards to retract to the stowed position and it will disable any further operation until the switch is flipped to the “I” or On position.



Thank you for choosing RBP! We hope you enjoy your new Stealth Power Running Boards.



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