



## INSTALLATION INSTRUCTIONS

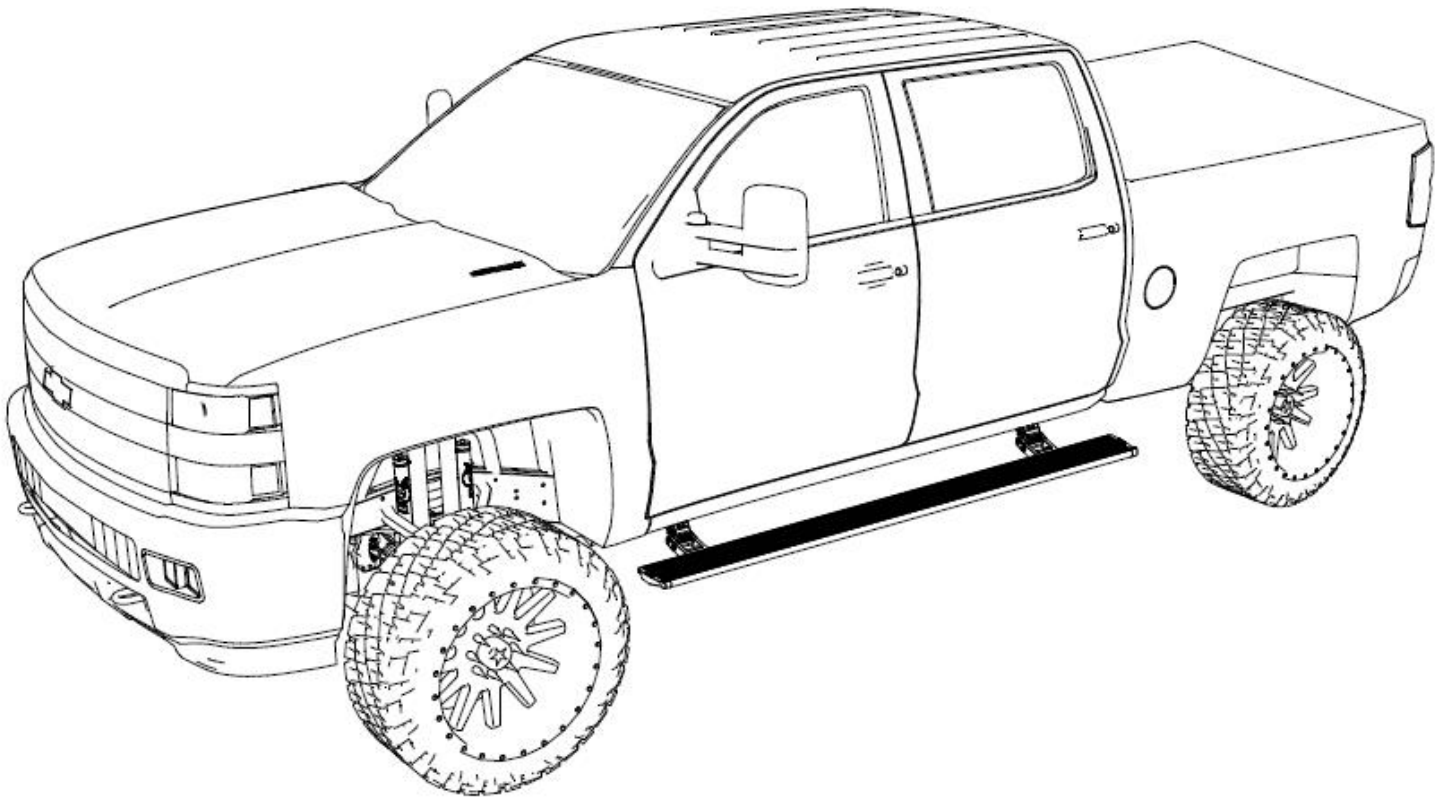
### PRO-E ELECTRIC RUNNING BOARDS

#### APPLICATION:

Silverado/Sierra 1500 Crew Cab 2007 - 2018 (Excl. Classic);  
2500/3500 Crew Cab 2007 - 2019 (Excl. 2007 Classic)

#### PART NUMBER:

29-23725



Estimated Time to Complete Product Installation: 3 - 4 Hours



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## COMPONENT LIST

ITEM	QUANTITY	DESCRIPTION	TOOLS NEEDED
1	2	RUNNING BOARD ASSEMBLY	5MM ALLEN WRENCH
2	1	DRIVER SIDE FRONT MOTOR LINKAGE	
3	1	PASSENGER SIDE FRONT MOTOR LINKAGE	13MM SOCKET
4	1	DRIVER SIDE REAR MOTOR LINKAGE	13MM WRENCH
5	1	PASSENGER SIDE REAR MOTOR LINKAGE	21MM SOCKET
6	1	CONTROL MODULE ASSEMBLY	12MM SOCKET
7	2	FUSE	RATCHET
8	1	POWER BOARD MANUAL SWITCH	TORQUE WRENCH
9	2	MAGNETIC INDUCTION MODULE	RIVETING GUN
10	4	DOOR MAGNET	
11	4	LED LIGHTS	
12	1	WIRING HARNESS	
13	8	M6 HEX SOCKET CAP SCREW	
14	1	M8 HEX FLANGE BOLT, 35MM LENGTH	
15	3	M8 HEX FLANGE BOLT, 30MM LENGTH	
16	5	M8 HEX FLANGE BOLT, 25MM LENGTH	
17	1	M8 HEX FLANGE NUT	
18	3	M8 TENSION BLOCK	
19	4	LEAF SPRING NUT	
20	25	ZIP TIES	

Remove the components from the box, verify if all parts listed are present and free from damage.

Carefully read and understand all instructions before attempting installation.

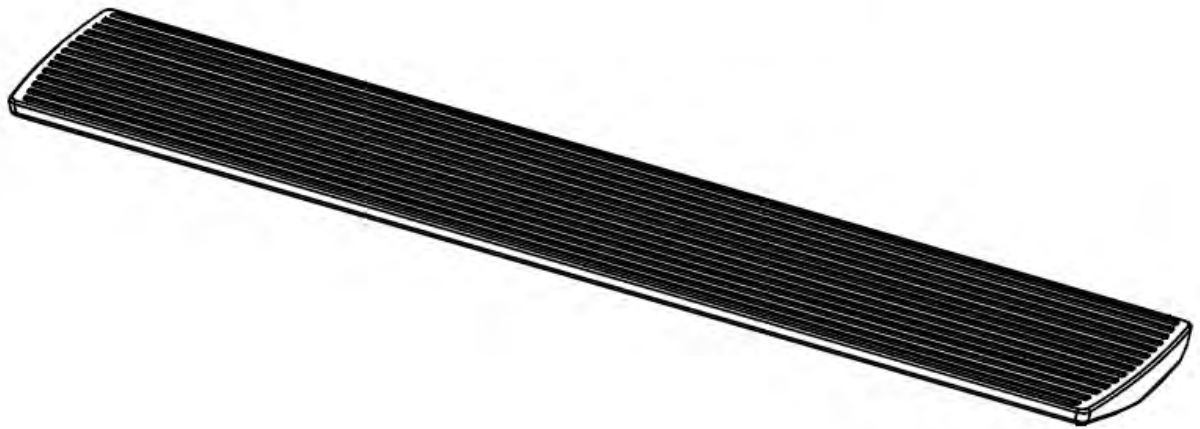
It is recommended that anti-seize lubricant is used on all stainless steel fasteners to prevent thread damage and galling.

**Note that failure to identify damage before installation could lead to a rejection of any claim.**

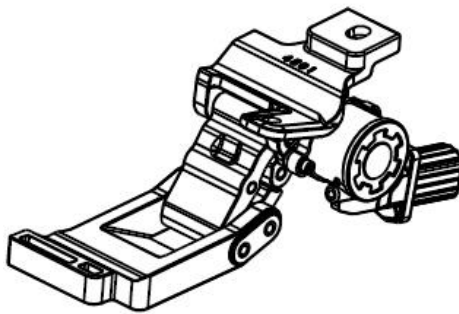
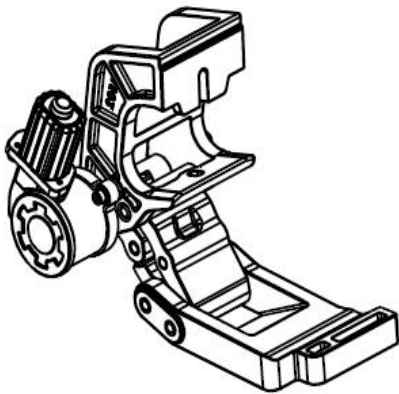


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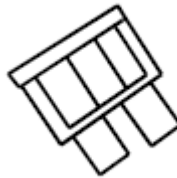
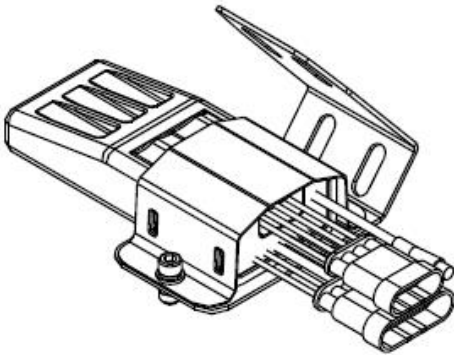
ITEM 1



ITEM 2 & 4

ITEM 3

ITEM 5



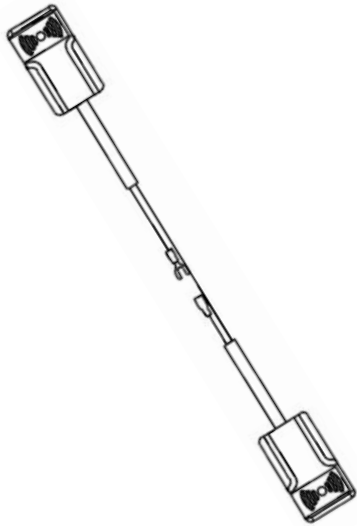
ITEM 6

ITEM 7

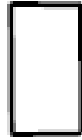
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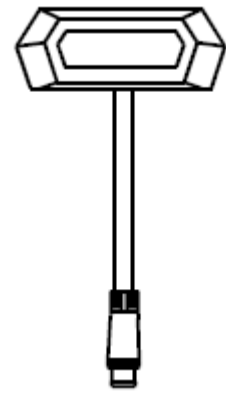
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ITEM 9



ITEM 10



ITEM 11



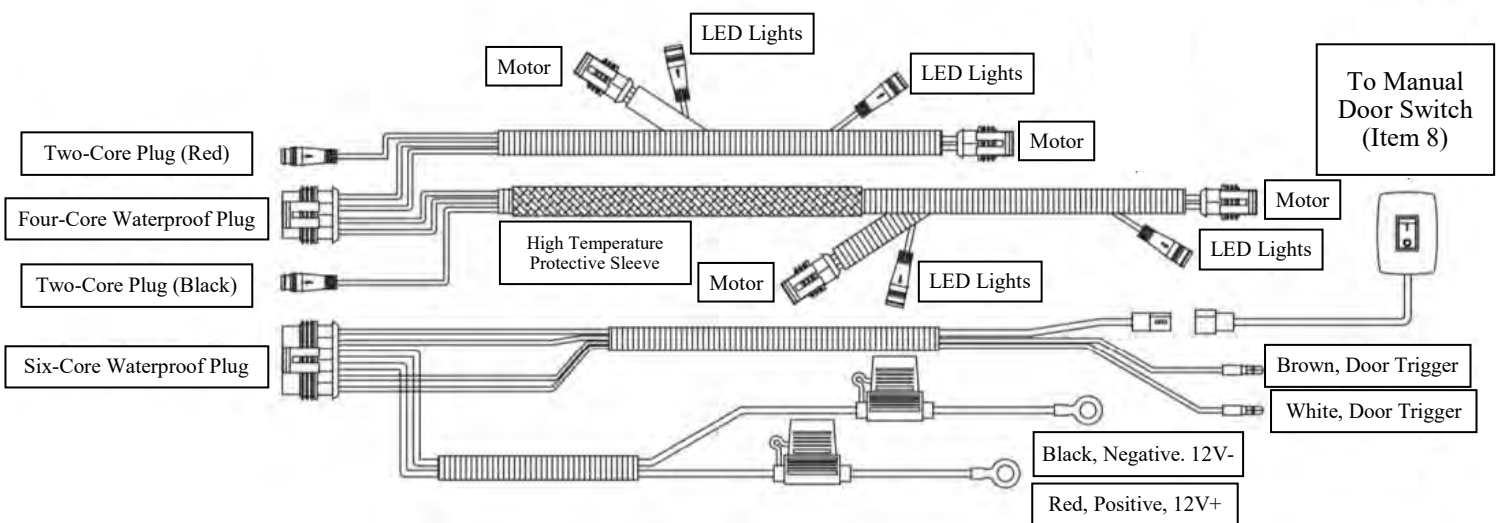
ITEM 12



ITEM 13



ITEM 14



ITEM 12: Wiring Harness Leads



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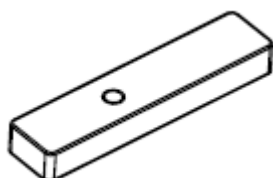
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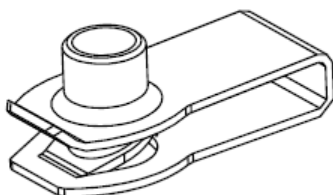
ITEM 16



ITEM 17



ITEM 18



ITEM 19



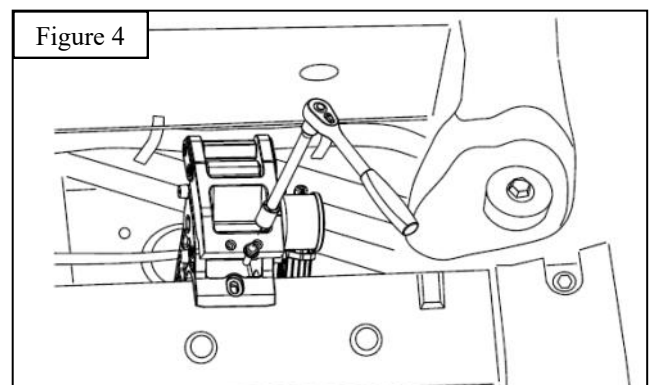
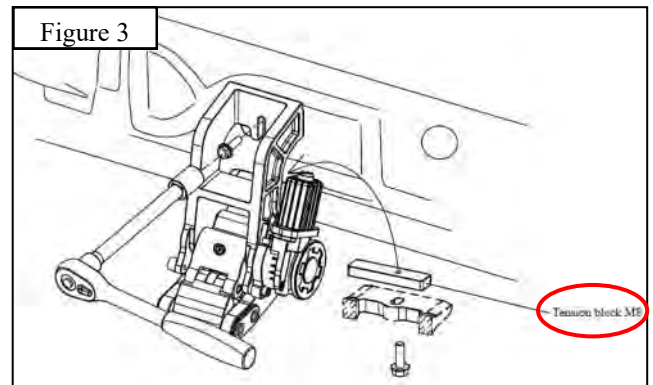
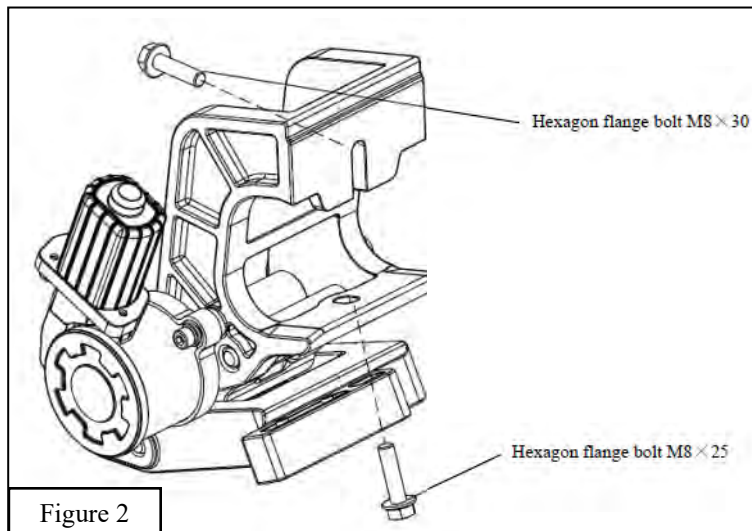
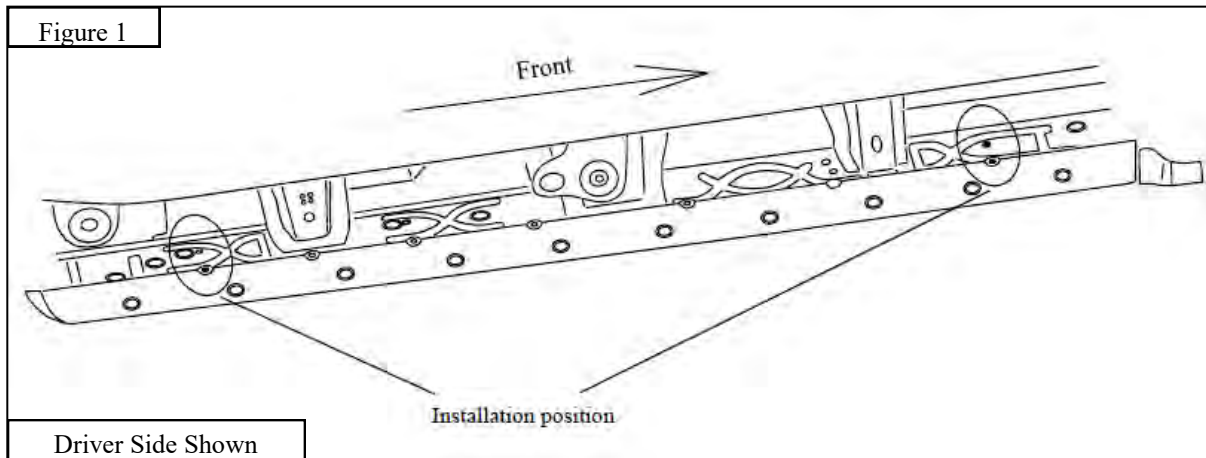
ITEM 20



# MECHANICAL COMPONENT INSTALLATION PROCEDURE

1. Starting on the driver side of the vehicle, locate the mounting locations on the rocker panel of the vehicle (**Figure 1**).
2. On the driver side of the vehicle, loosely install the Front Motor Linkage (Item 2) to the front rocker panel mounting location using the M8 hardware shown in **Figure 2**. Place the tension block on the inside of the rocker panel at the lower mounting location as shown in **Figures 3 & 4**. Torque the bolts to 25 ft-lb (35 Nm).

**Note:** The motor linkages are labeled, and call out the corresponding mounting location to help aid with linkage placement.

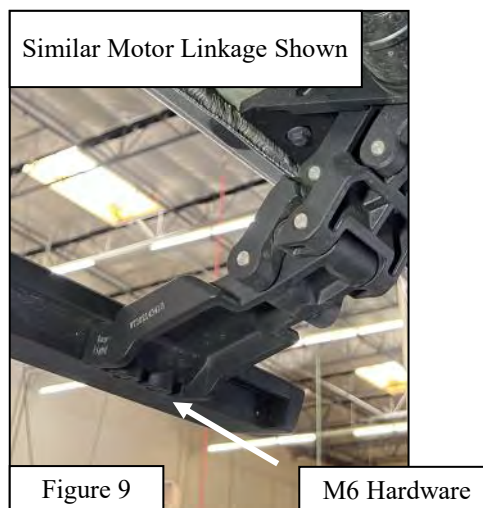
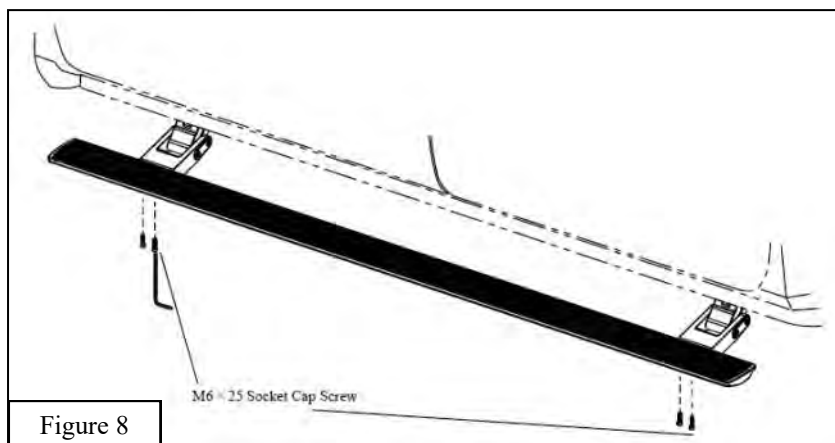
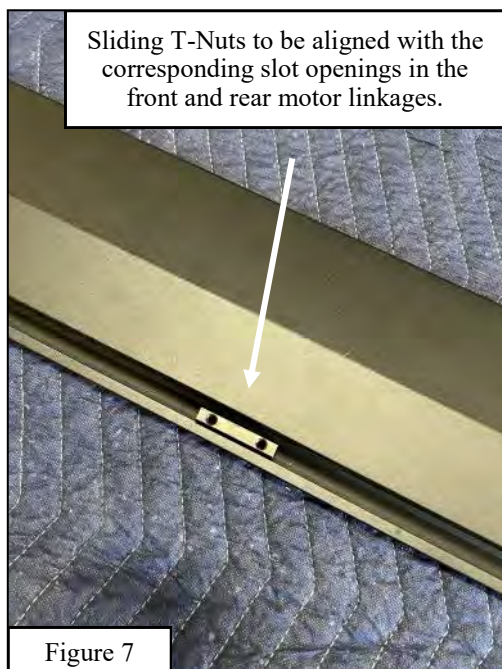
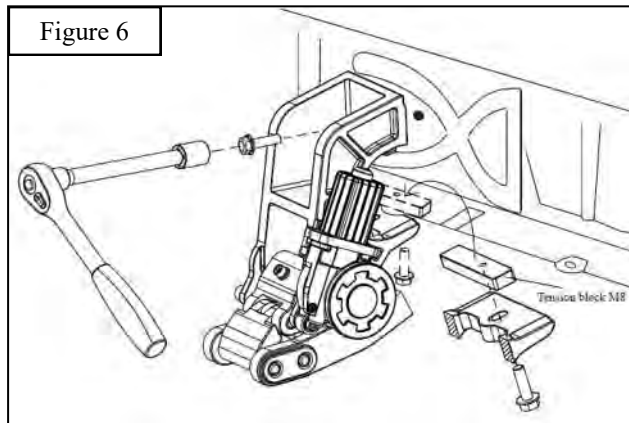
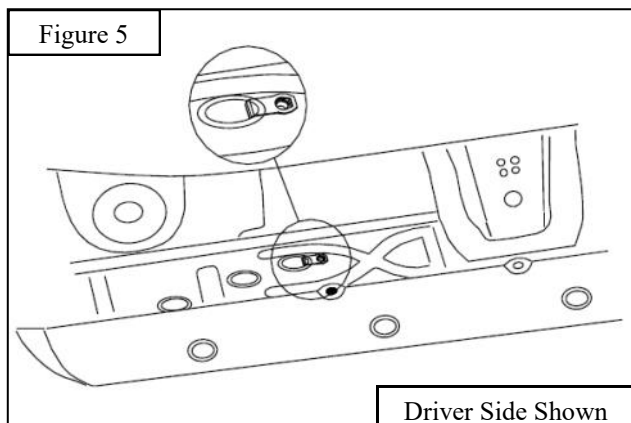


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3. Insert the leaf spring nut into the hole as shown below in **Figure 5**.

4. Loosely install the Rear Motor Linkage (Item 4) to the rear rocker panel mounting location using the supplied M8 Hex Flange Bolts. Use the 30MM length bolt for the top mounting and the 25MM length on the bottom with the tension block on the inside of the rocker panel. Torque the bolts to 25 ft-lb (35 Nm). Please refer to **Figure 6** for bracket orientation and locations.

5. Refer to **Figures 7 & 8** for the installation of the running board (Item 1). **Figure 9** shows the location of where the M6 Hex Socket Cap Screws fastens the running board to the motor linkages.



6. For the passenger side of the vehicle refer to **Figure 10** to locate the mounting holes on the rocker panel.
7. Starting towards the front of the vehicle, remove the two OEM bolts as shown below in **Figure 11** using a 12MM for the upper bolt and 21MM for the body mounting bolt.
8. Use a M8 Hex Flange Bolt, 30MM length, for the upper mounting location for mounting the passenger side front motor linkage (Item 3) **Figure 12**. Use the OEM bolt that attaches the vehicle's cab to the frame for the lower mounting location of the motor linkage **Figure 13**.
9. Repeat steps 3 & 4 and refer to **Figures 5 & 6** for the installation of the passenger side rear motor linkage (Item 5).
10. Repeat step 5 for how to install the running board onto the passenger side of the vehicle.

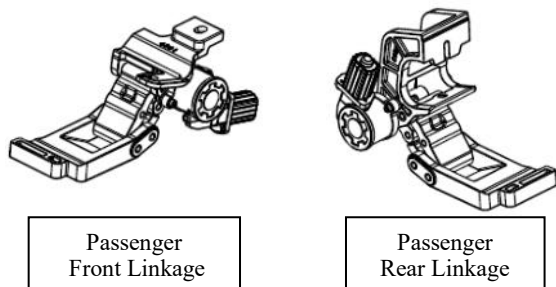


Figure 10

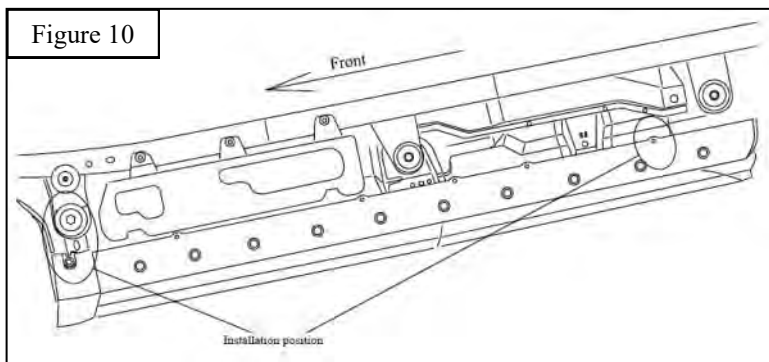


Figure 12

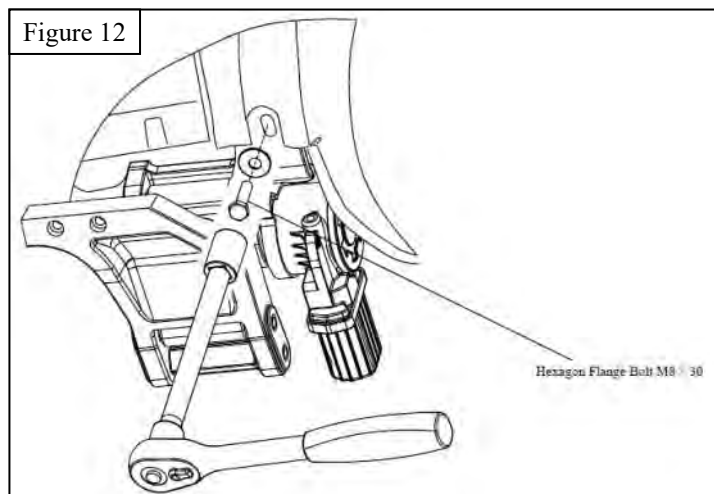


Figure 13

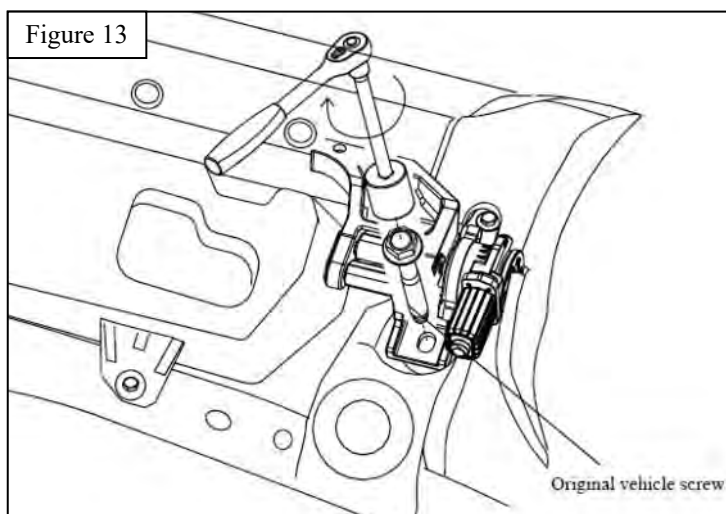
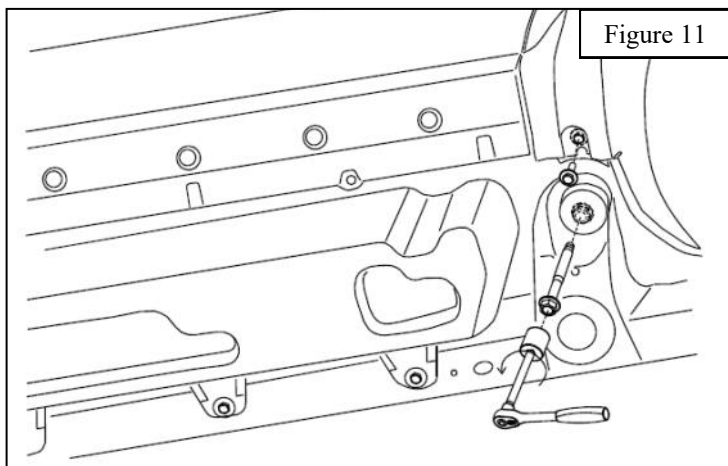


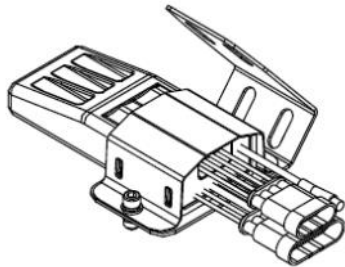
Figure 11





11. For the installing the control module on the passenger side rocker panel, refer to **Figure 14**. Use two (2) M8 Hex Flange Bolts, the M8 Hex Flange Nut, and a M8 Rivet Nut of 18MM length. Torque the bolts to 25 ft-lb (35 Nm).

12. Connect the wiring harness (Item 12) to the four linkages on the vehicle. The connectors on the harness are labeled for each linkage and for the control module.



Control Module

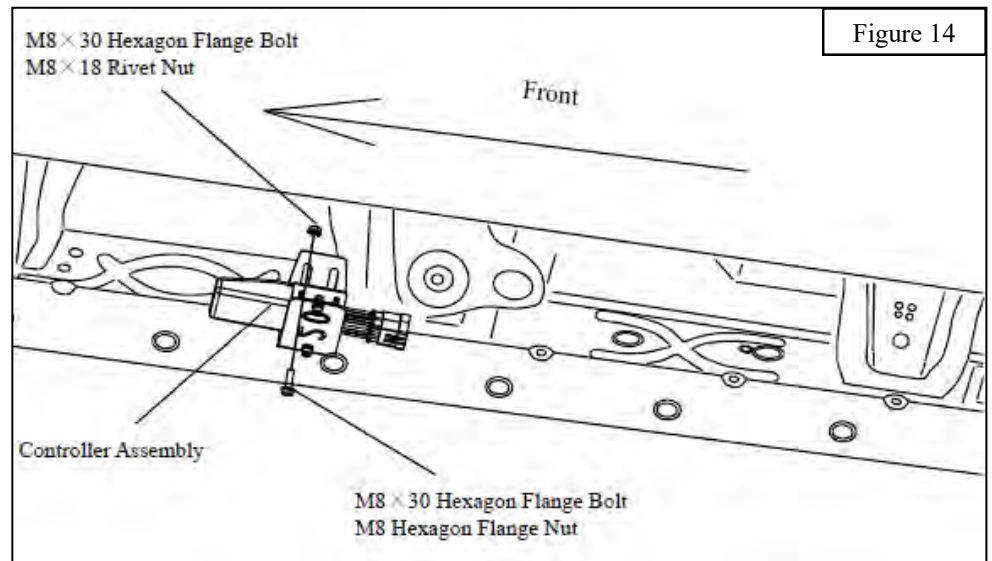


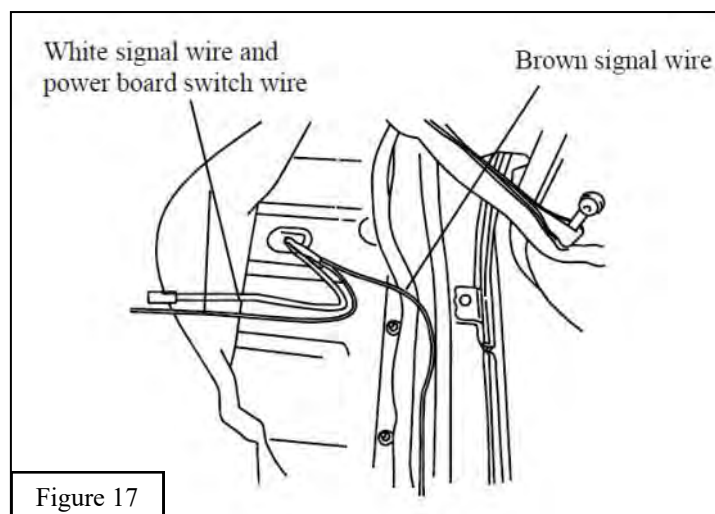
Figure 14

# ELECTRICAL COMPONENT INSTALLATION PROCEDURE

13. Begin by disconnecting the battery from the vehicle. Start with the negative battery terminal, then the positive battery terminal.

14. On both the driver and passenger side of the vehicle, remove the front and rear door sill trim panels by carefully pulling on the panels enough to release them from the plastic retaining clips. Remove the B-pillar trim panel by first removing the trim covers at the locations shown, removing the fasteners, and carefully pulling back on the B-pillar trim panel to remove it. See **Figures 15 & 16** for reference.

15. With the panels removed, pull the front driver side carpet back. Route the switch wire, white, and brown wires through the floor panel **Figure 17**. Route the longer wire (brown wire) underneath the carpet and towards the passenger side door sill.



16. With the B-Pillar panels removed, locate the seat belt assembly on the passenger's side and loosen the bolt shown below in **Figure 18**. Locate the Magnetic Induction Module (Item 9) and mount the ground wire fork under the seat belt assembly bolt. This provides a ground connection for Magnetic Induction Module. Once grounded, connect the snap-in bullet connector on the module to the brown wire previously routed to the passenger side B-Pillar **Figures 19 –21**.

17. The following page shows details of where to place the Magnetic Induction Modules and Door Magnets (Item 10) on each door **Figures 22-25**.

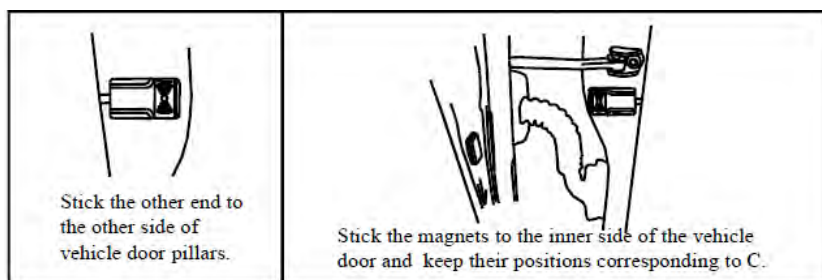
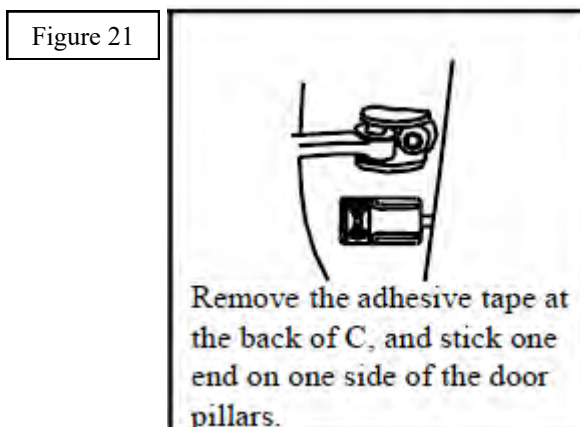
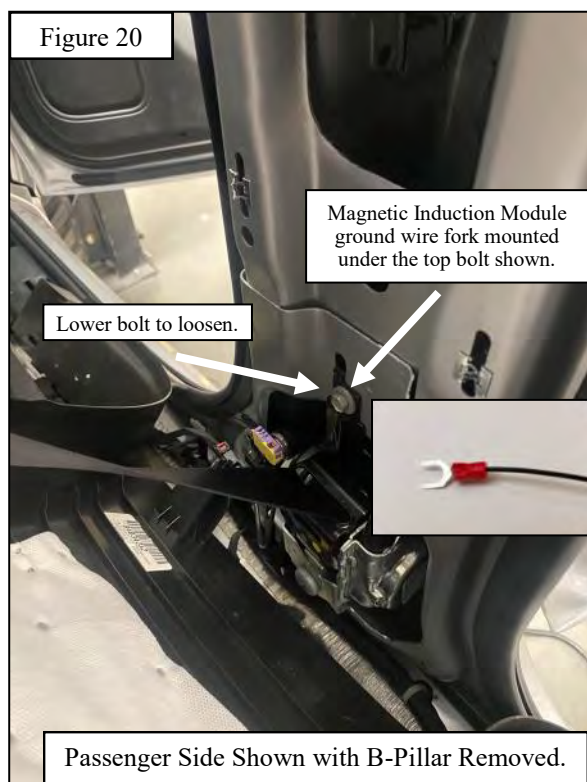
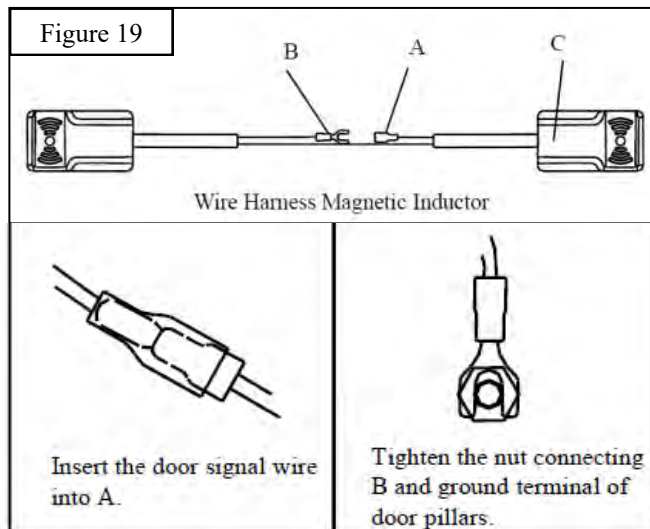
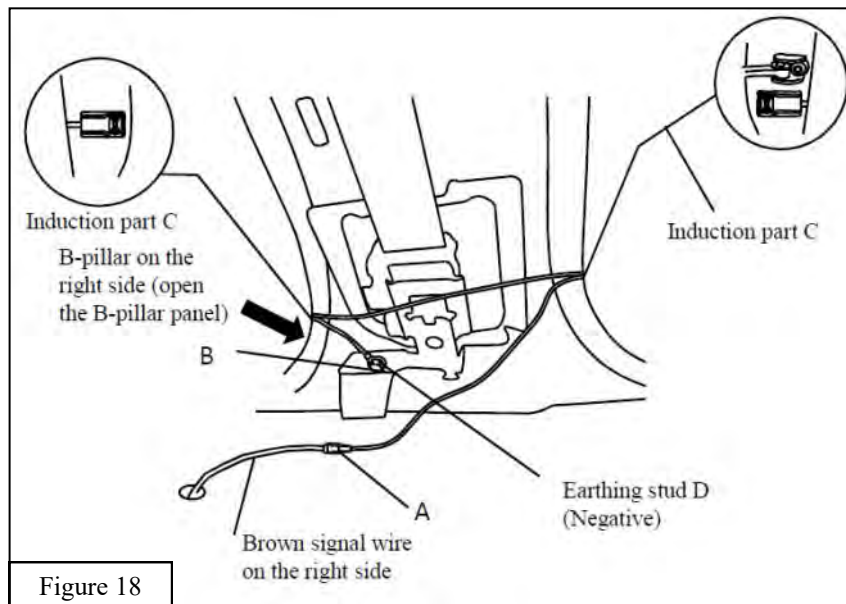




Figure 22



Figure 23

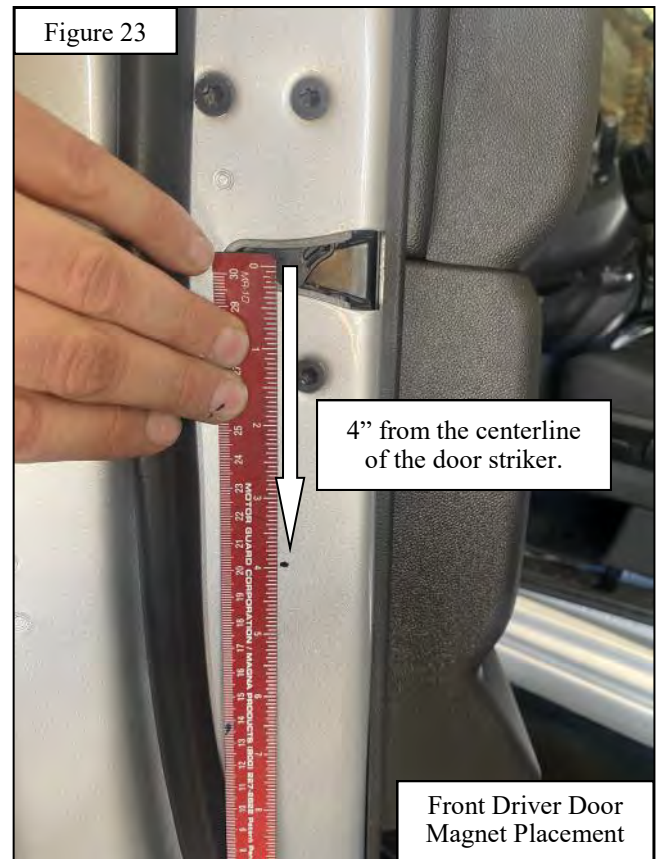


Figure 24

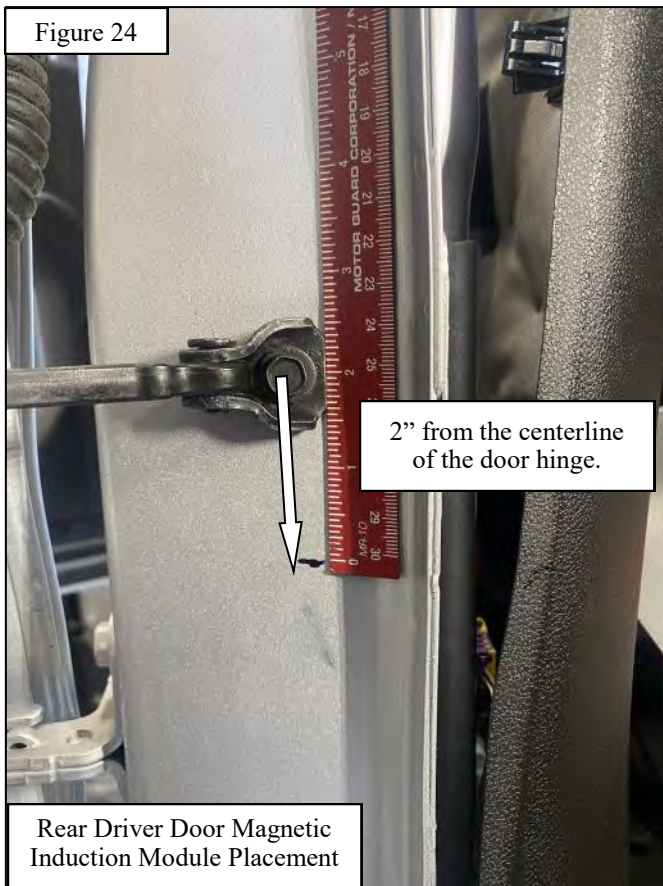


Figure 25

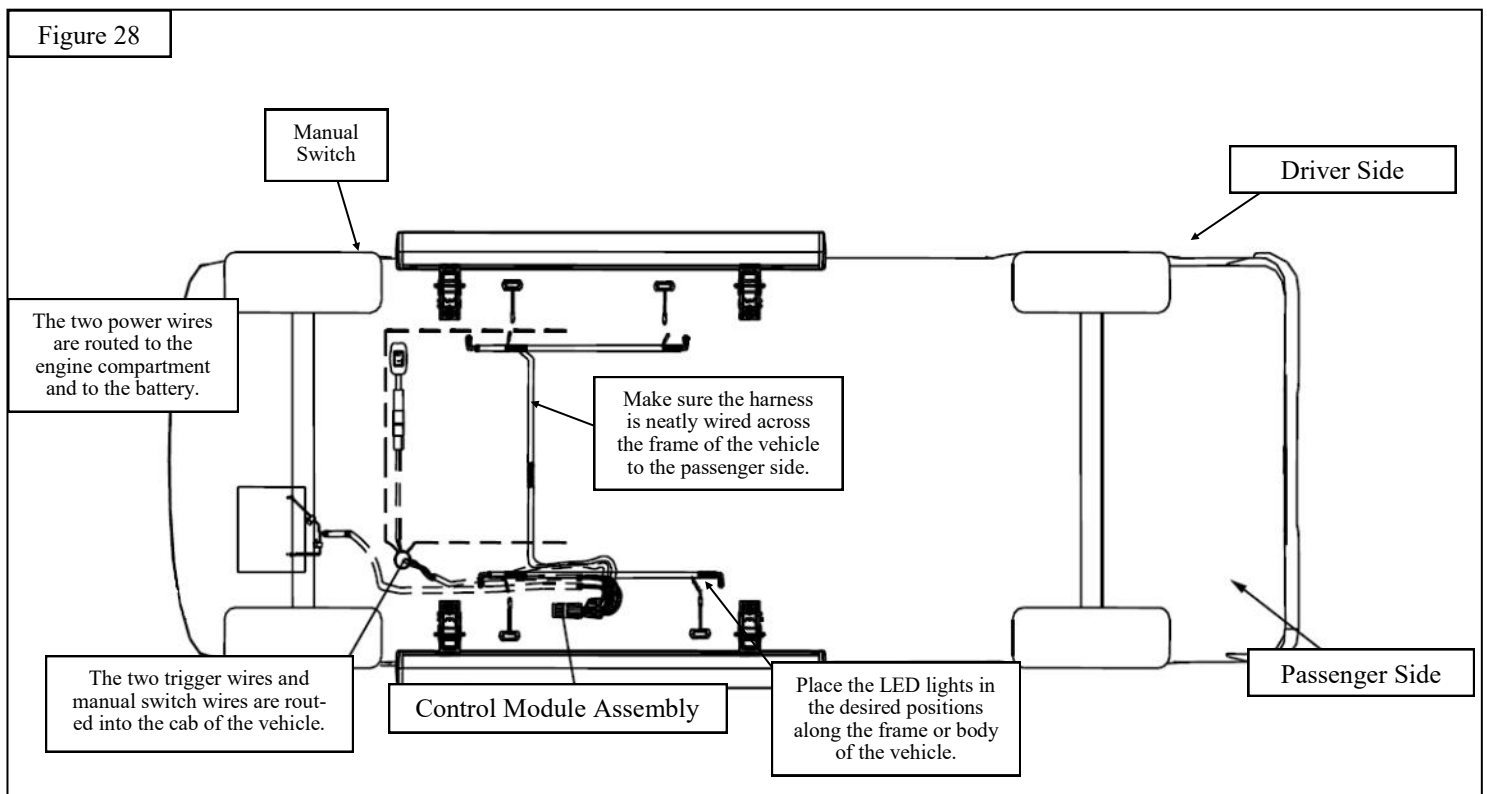
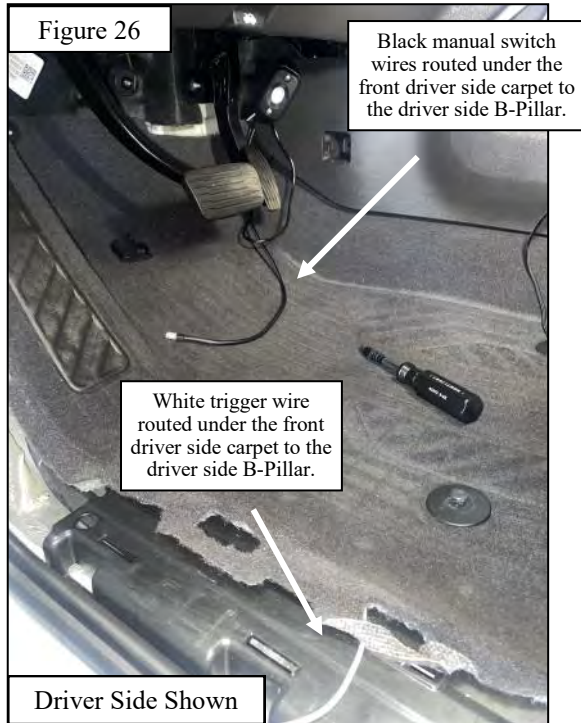




17. Place the door sills and B-Pillar covers back on the driver and passenger sides of the vehicle.

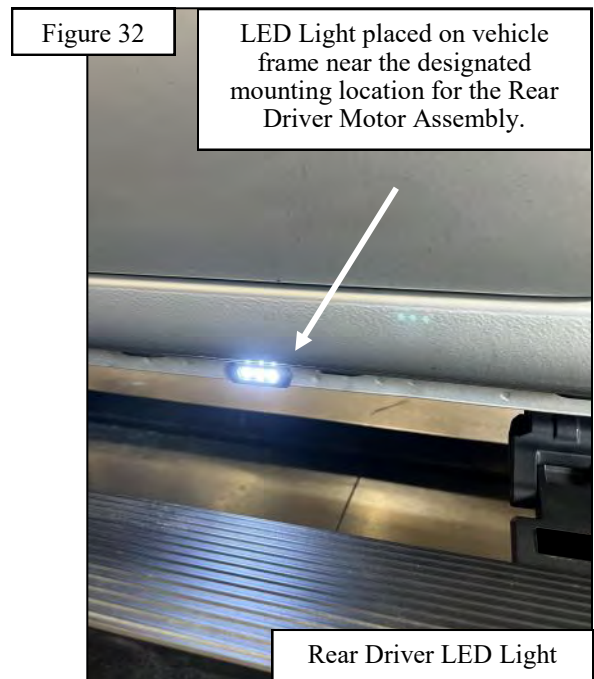
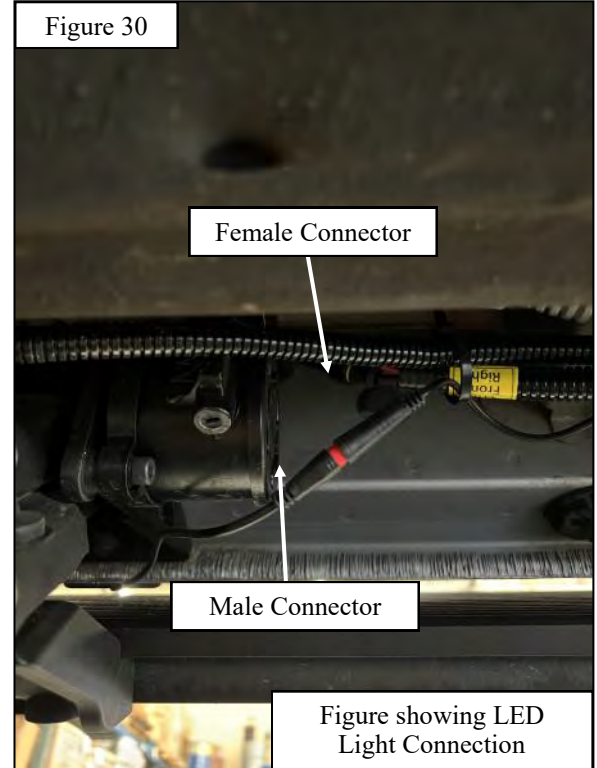
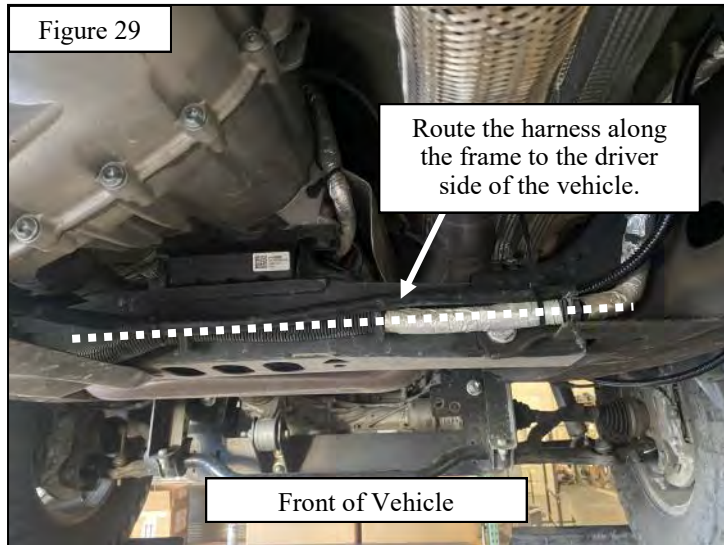
18. Refer to the image below for where to attach the power board switch to the dashboard **Figure 26 - 27**.

19. **Figure 28** below shows an overview of the entire wiring harness installation.



19. The following images show how and where to install the LED Lights (Item 11) onto the frame of the vehicle to light the stepping area on the running boards **Figure 29-32**. Make sure to clean the frame so the adhesive on the LED lights is able to stick properly.

20. Reconnect the battery and pull out the fuses (Item 7) from the positive and negative ends of the wiring harness. Make sure the power board switch is off. Now connect the wiring harness to the battery and place the fuses back into the positive and negative wires.





21. With all of the wiring connectors securely plugged in, open the driver side door and ensure that the manual switch is in the off position. This signals the control module to retract and it will disable the operation of the running boards until it is switched to the on position.

22. Open and close all of the vehicle's doors one by one to ensure that the running boards operate appropriately. If the running boards operate properly, the installation is complete. If they do not, check all the wiring connections and make sure that the magnets on the door striker align with their corresponding control module. ***Note: Any misalignment between the magnets on the door strikers and their corresponding Magnetic Control Module can prevent the running boards from opening and closing properly.***

23. With the running boards operating properly, neatly tuck away all of the wiring using the provided zip ties (Item 16).

## INSTALLATION COMPLETE



Similar Vehicle Shown

### CARE INSTRUCTIONS

- REGULAR WAXING IS RECOMMENDED. DO NOT USE ANY TYPE OF POLISH OR WAX THAT MAY CONTAIN ABRASIVES.
- STAINLESS STEEL PRODUCTS CAN BE CLEANED WITH MILD SOAP AND WATER. STAINLESS STEEL POLISH SHOULD BE USED TO POLISH SMALL SCRATCHES.
- GLOSS BLACK FINISHES SHOULD BE CLEANED WITH MILD SOAP AND WATER.



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## WARNING



Failure to follow these instructions could lead to death, personal injury, and / or property damage.

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### **FASTENERS:**

All Westin supplied fasteners must be utilized and installed in accordance with the installation instructions and apply torque to the specifications as defined. **DOUBLE CHECK ALL FASTENERS BEFORE INITIAL USE, AND PERIODICALLY IN THE FUTURE TO ENSURE PROPER FUNCTION AND SAFETY.**

### **DRILLING:**

Most Westin products do not require drilling for installation. If drilling is defined as required, use caution when drilling a vehicle. **FAILURE TO REVIEW AN AREA TO BE DRILLED MAY RESULT IN PERSONAL INJURY AND/OR INJURY TO OTHERS AS WELL AS VEHICLE DAMAGE.**

### **EYE PROTECTION:**

**ALWAYS WEAR SAFETY GLASSES OR GOGGLES DURING THE INSTALLATION PROCESS TO AVOID PERSONAL INJURY.**

### **MAXIMUM TOWING/CARRYING CAPACITY:** (if applicable)

The Westin Receiver Hitches will have a visible tow rating label affixed directly on the product. User should never exceed the vehicle manufacturers maximum tow and weight rating regardless of the capacity of the hitch. **FAILURE TO FOLLOW THESE GUIDELINES WILL VOID THE WESTIN WARRANTY AND MAY RESULT IN PERSONAL INJURY AND/OR INJURY TO OTHERS AS WELL AS VEHICLE DAMAGE.**

### **FOR CALIFORNIA RESIDENTS ONLY-PROP 65 WARNING:**

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