



STEALTH POWER™

RUNNING BOARDS

INSTALLATION GUIDE



INSTALLATION COVERS
PART# RBP-510-SP

FOR APPLICATIONS:
2018-2019 JEEP WRANGLER JL UNLIMITED 4 DOOR



Your Complete Satisfaction is Our Number One Goal at Rolling Big Power, your satisfaction is why we're in business. If for any reason your experience with our product was anything less than satisfactory, please reach out to us. We'd love to have the opportunity to provide the product experience and service you deserve.

**For Installation Instruction videos visit our YouTube page at:
<https://www.youtube.com/user/rollingbigpowertv>**



STOP. DO NOT RETURN TO THE STORE. WE CAN HELP. QUESTIONS OR PROBLEMS, OUR TEAM OF PROFESSIONALS ARE HERE TO HELP.



CALL TOLL FREE 1-877-519-9090, MON-FRI: 8:00AM - 5:00PM PST

APPLICATIONS:

2018-2019 JEEP WRANGLER JL UNLIMITED 4 DOOR

TOOLS REQUIRED

- 5 MM ALLEN WRENCH
- 13 MM SOCKET AND WRENCH
- 10 MM COMBINATION WRENCH
- ELECTRIC DRILL
- CENTER PUNCH
- 7/16" DRILL BIT
- 21/64" DRILL BIT
- 10 MM NUT DRIVER TIP
- RAZOR BLADE
- RTV SILICONE
- 50/50 MIX OF ISOPROPYL ALCOHOL
- 1" WIDE MASKING TAPE
- MEASURING TAPE
- TORQUE WRENCH
- TOUCH UP PAINT



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PRODUCT TECHNICAL SPECIFICATIONS

Rated Voltage: 12V

Load Rating: 600 lbs per side

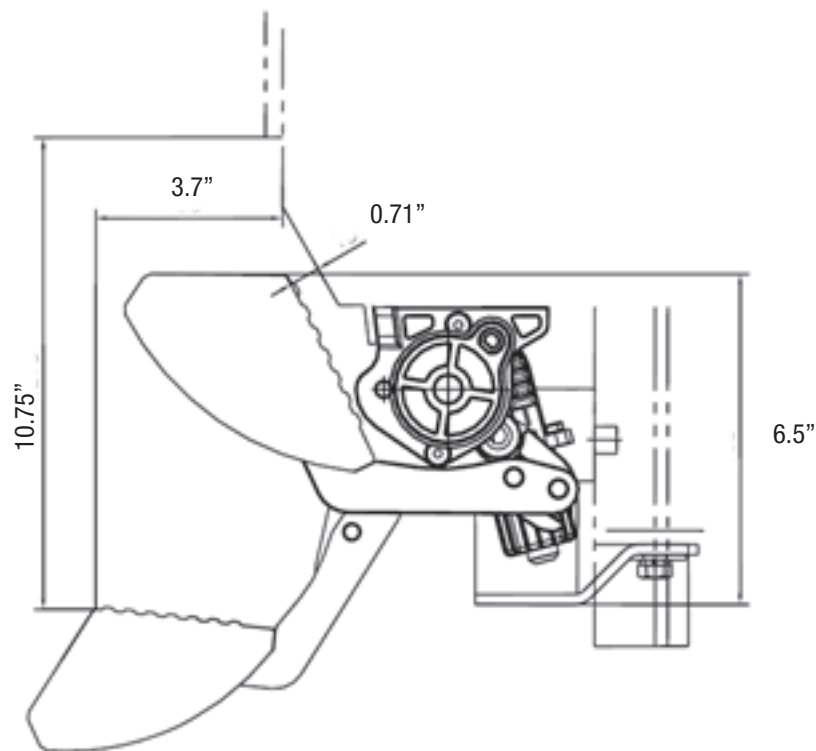
Gross Weight: 65 lbs

Horizontal Extension: 3.7"

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

Step Height: 10.75"

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

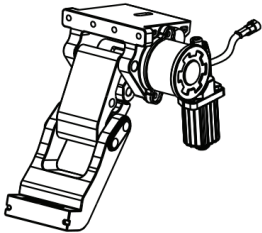
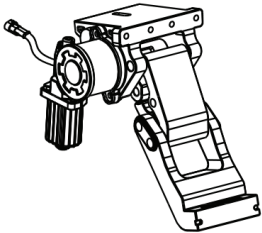
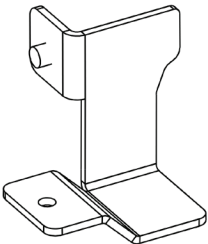
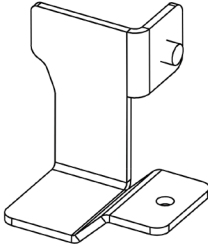

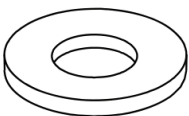


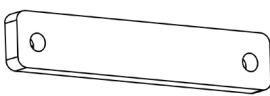
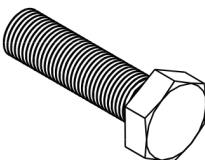
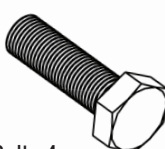
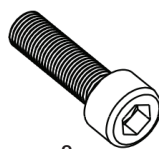
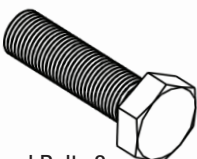
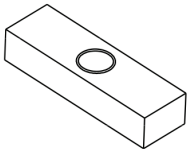
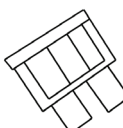
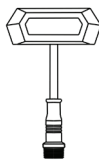

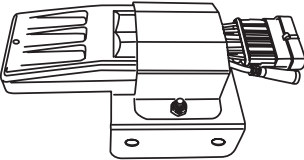
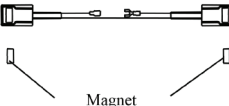


WARNING: Keep a minimum of 10" safe distance while the Stealth Power™ Running Board is operating to avoid any personal injury or damage to the running boards. Stealth Power Running Boards are not designed to provide vehicle body protection. Components can be damaged by hard impact or contact with foreign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

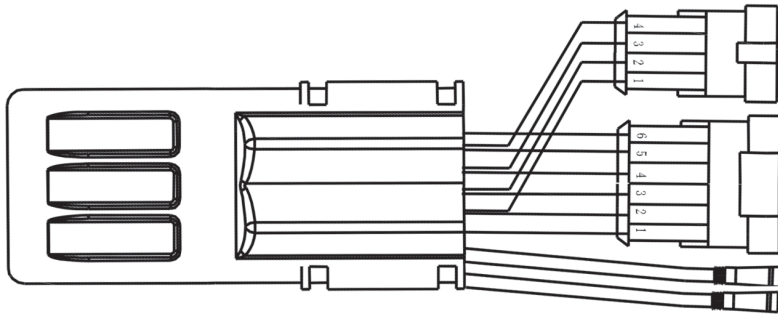


Stealth Power™ Running Board Parts List

Please verify that all listed components were included in your package. If not, please call our team at 877-519-9090 for assistance.

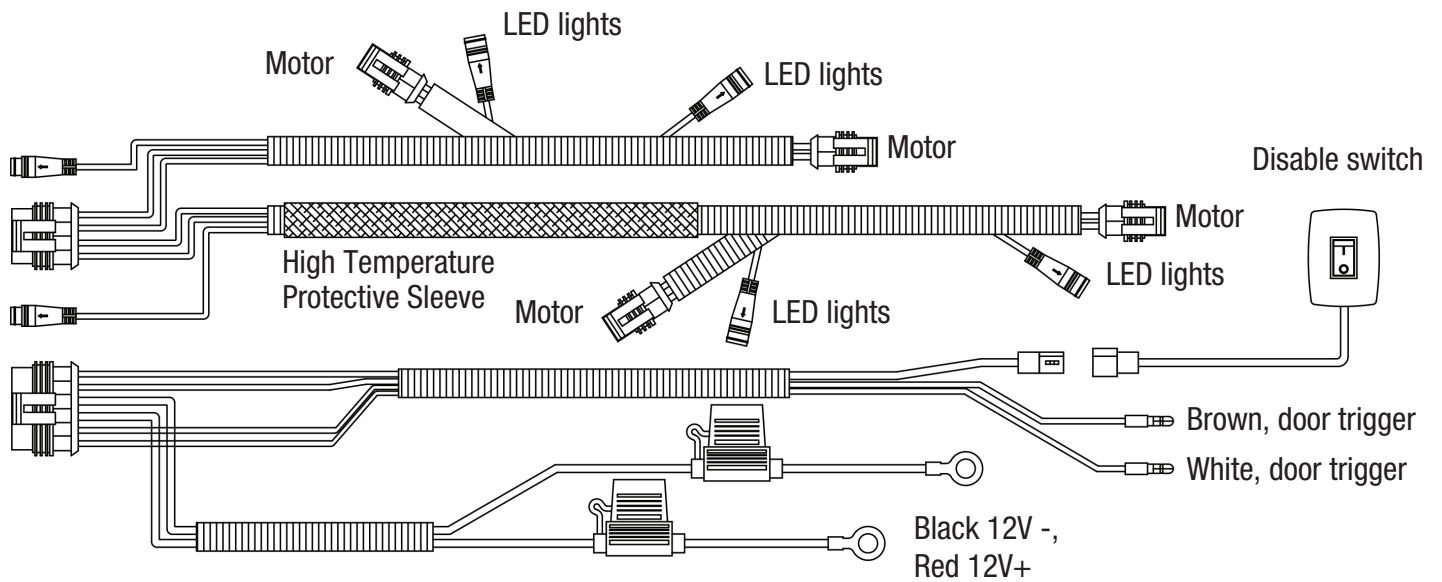
 <p>Left Front Motor Linkage Left Rear Motor Linkage</p>	 <p>Right Front Motor Linkage Right Rear Motor Linkage</p>	 <p>Motor Protective Plate Left JP-L×1</p>	 <p>Motor Protective Plate Right JP-R×1</p>	
 <p>Larger Washer Grade A×2</p>	 <p>Larger t Washer Grade A×12</p>	 <p>Spring Washer×2</p>	 <p>Spring Washer×12</p>	 <p>Mounting Plate JP4×2</p>
 <p>Hexagon Head Bolt×2</p>	 <p>Hexagon Head Bolt×4</p>	 <p>Socket Cap Screw ×8</p>	 <p>Hexagon Head Bolt×8</p>	
 <p>M12 Tension Block×2</p>	 <p>20A Fuse×2</p>	 <p>LED Lamp Module×4</p>	 <p>Iron Tie×3</p>	 <p>Controller mounting bracket</p>
		 <p>Wired Magnetic Induction Module ×2 Magnet ×4</p>		

PRODUCT PACKING LIST



Notice: As shown in the picture, there is a four-conductor plug, a six-conductor plug, a black two-conductor plug, and a red two-conductor plug.

Controller Assembly



INSTALLATION INSTRUCTIONS

Step 1: Disconnect the battery. Begin with the negative battery terminal, followed by the positive terminal.

Step 2: Install the rear passenger side motor using M8 hex bolts, flat washers, split lock washers on the two pinch seam mounting holes. Install the spacer between the pinch seam and the motor assembly. Leave all of the hardware snug and hand tight.

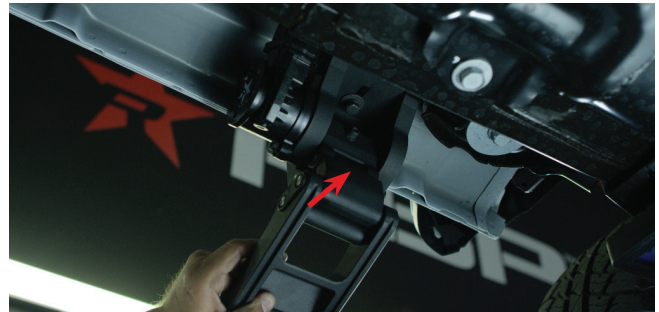


Step 2A



Step 2B

Step 3: Install an M8 hex bolt, flat washer, and split lock washer to secure the back side of the rear passenger side motor to the rocker panel. Leave the hardware snug and hand tight.



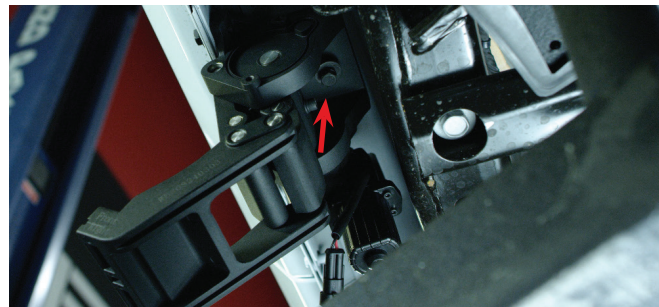
Step 3

Step 4: Install the rear driver side motor using M8 hex bolts, flat washer, and split lock washer on the two pinch seam mounts. Use a hex bolt and split lock washer to attach the motor to the mounting bracket installed in Step 2. Leave all of the hardware snug and hand tight.



Step 4

Step 5: Install an M8 hex bolt, flat washer, and split lock washer to secure the back side of the front passenger side motor to the rocker panel. Leave the hardware snug and hand tight.



Step 5

INSTALLATION INSTRUCTIONS

Step 6: Slide the M12 threaded insert into the slot on the side of the frame rail. Align treaded hole with the slot on the bottom of the frame rail.

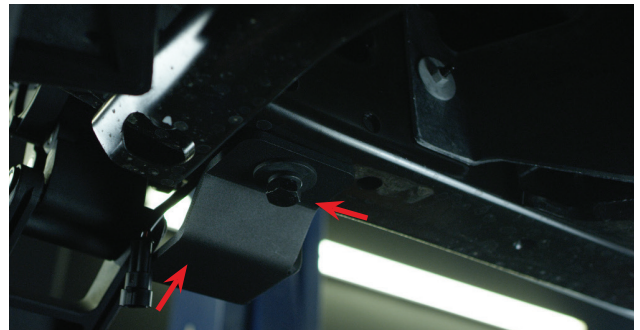


Step 6A



Step 6B

Step 7: . Install the passenger side front motor protective bracket. Secure the protective bracket using an M12 hex bolt, flat washer, and split lock washer. Torque to 25 ft-lbs.



Step 7

Step 8: Install the driver side running board.

8a. Begin by propping up the running board on the front and rear motor assembly bases.

8b. Next align the sliding T-Nut assemblies on the running board with the slots on the front and rear motor bases.

8c. 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.

8d. Secure the running board to the arms using the M6 x 25 socket head cap screws. Using a torque wrench, tighten to 9 ft-lbsc



Step 8A



Step 8B



Step 8C



Step 8D

Step 9: Now that the running board is installed, go back and tighten the hardware on the passenger side front and rear motor assemblies. Using a torque wrench, tighten the mounting hardware to 18 ft-lbs.

Step 9: Repeat steps 2-9 to install the motor linkage assemblies and running board on the driver side.

INSTALLATION INSTRUCTIONS

Step 11: Locate two holes on the pinch seam below the passenger side front door. Using two M8 hex head bolts, flat washers and split lock washers, install the controller mounting bracket. Using a torque wrench, tighten to 18 ft-lb.



Step 11A



Step 11B



Step 12: 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 Jeep. 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 side motor.



Step 12A

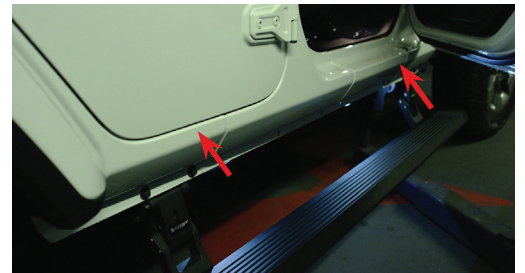


Step 12B

Step 13: 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 driver side doors.



Step 13A



Step 13B

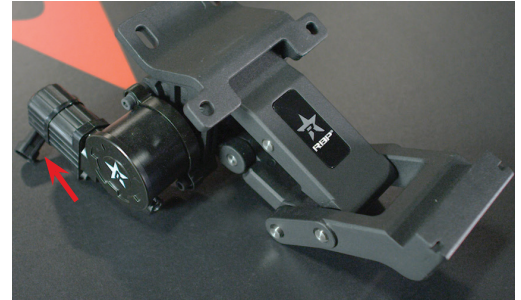
Step 14: Route the motor and LED wire harness from the controller on the passenger side of the vehicle to the driver side frame rail of the Jeep. When routing the harness keep clear from any moving parts and avoid direct contact with the exhaust system.

INSTALLATION INSTRUCTIONS

Step 15: Locate the electrical pigtail with the female socket connector on the driver side front and rear motors. Route the electrical harness from the controller along the frame rail of the Jeep. 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 motor and Rear Left for the rear driver side motor.



Step 15A

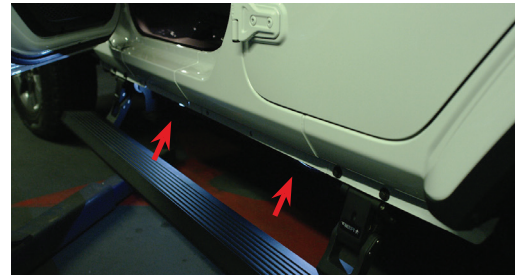


Step 15B

Step 16: 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 16A



Step 16B

Step 17: On the passenger side, remove the front kick panel, front door sill trim panel and b-pillar trim panel. Go under the passenger seat and locate the split in the carpet. Pull the rear half of the carpet back to expose the oval rubber drain plug. Pull the drain plug and drill a 7/16" hole as shown.

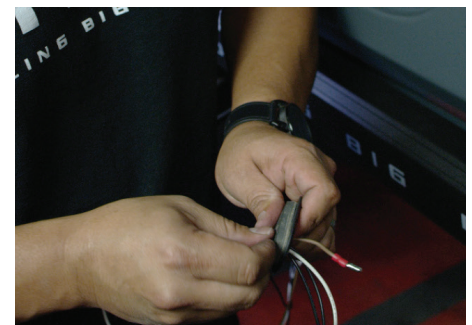


Step 17

Step 18: Go under the vehicle and feed the door trigger signal wires (white and brown) and the disable switch wires (two black wires) into the cab. Feed the wires thru the hole in the rubber drain plug. Pop the drain plug back into the slot. Seal around the wires using RTV silicone adhesive to prevent water intrusion.



Step 18



INSTALLATION INSTRUCTIONS

Step 19: Route the passenger side door trigger wire (brown) towards the driver side b-pillar. Route the passenger side door trigger wire (white) under the center console and over to the passenger side b-pillar. Route the black disable switch wires to the center console.

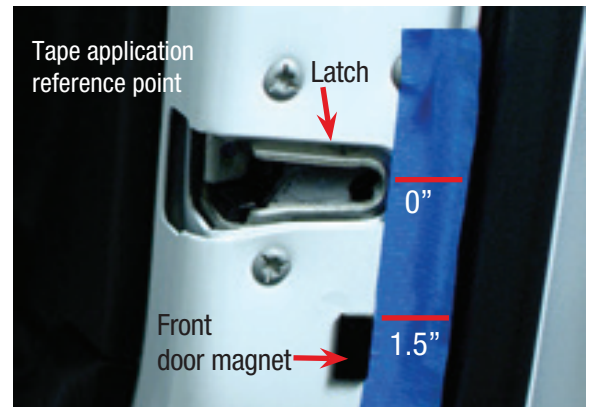
Step 20: The door trigger sensor harness will need a ground connection to the vehicle. Locate the vehicle ground stud near the base of the rear seat and install the ground wire as shown.

Step 21: . Connect the snap in bullet connector to the brown wire on the passenger side.



Step 20

Step 22: 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 1.5" 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 1.5" mark as shown.



Step 22

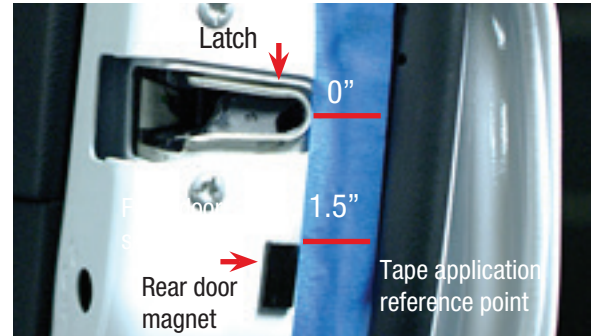
Step 23: Apply a vertically oriented strip of masking tape on the door jamb using the outer edge of the front passenger side door striker as a reference point. Make a mark 1.5" below the center line of the striker. Lift the bulb door seal to route the sensor wire underneath it. Prepare the surface by 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 door jamb. Align the top of the sensor with the 1.5" mark as shown.



Step 23

INSTALLATION INSTRUCTIONS

Step 24: Apply a vertically oriented strip of masking tape on the rear Passenger side door using the deepest part of the latch as a reference point. Make a mark 1.5" 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 1.5" mark as shown.



Step 24

Step 25: . Apply a vertically oriented strip of masking tape on the door jamb using the outer edge of the rear passenger side door striker as a reference point. Make a mark 1.5" 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 door jamb. Align the top of the sensor with the 1.5" mark as shown.



Step 25

Step 26: Repeat steps 20-25 to install the passenger 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 19.



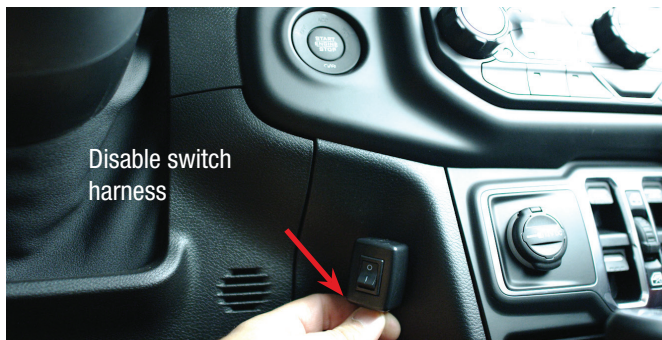
Step 26

Step 27: Route the Disable switch harness behind the driver side of the center console. Plug the disable switch connector into the black wire harness that was routed under the carpet to the center console.

Step 28: 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 to the driver side of the center console.



Step 27



Step 28

INSTALLATION INSTRUCTIONS

Step 29: Remove the 20 Amp fuses from the main positive and negative 12V power leads on the main harness. Route the power wires over the passenger side wheel well and into the engine compartment. Connect the ring terminals to the battery positive and negative posts.

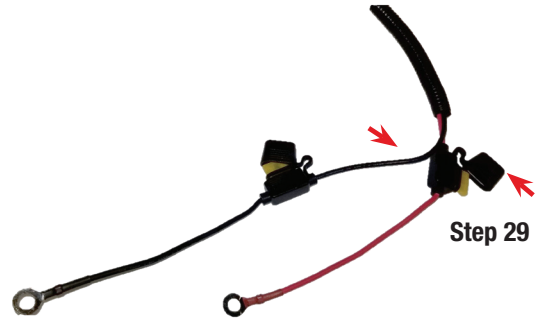
Step 30: Install the 20 Amp fuses back on the main negative and positive 12V power leads of the main power harness.

Step 31: Connect the battery. Begin with the positive terminal, followed by the negative terminal.

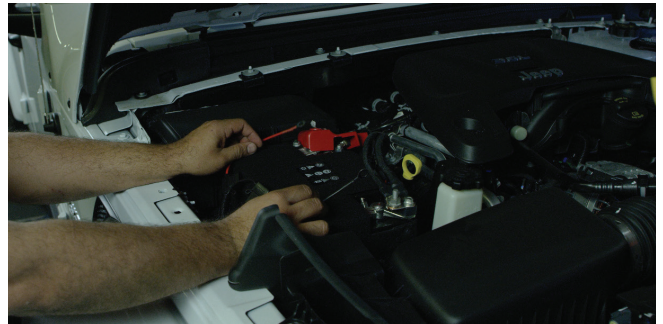
Step 32: Open and close all four doors to test the operation of your new Stealth Power Running boards. Please note that there is a 4 second delay for the running boards to retract after the doors are closed.

Step 33: Open the driver side door and keep the door open. Flip the disable switch to the “0” 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 “1” or On position

Thank you for choosing RBP! We hope you enjoy your new Stealth Power Running Boards. We would love to hear about your experience and see your vehicle decked out with our products. To share simply tag us using #Rollingbigpower, #RBP or #RBPStealthPower or DM us on Facebook and Instagram and visit us on YouTube!



Step 29



Step 31



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RBP STEALTH POWER WARRANTY

Rolling Big Power believes in true customer satisfaction. We strive to provide you, our customer, with a delightful experience with our products. In the event that your experience is not delightful - please contact us and allow one of our professional customer service agents take care of you. Our primary goal is for you to become a customer for life - we're willing to earn it.

Rolling Big Power warrants that any RBP product purchased from an RBP Authorized Resellers will be free from any defects in manufacturing, materials and workmanship for five years from original date of purchase, for the original purchaser for the product installed on the purchaser's original vehicle. Please validate your warranty by REGISTERING YOUR RBP PRODUCT.

NOTE: If you purchased an RBP product from an unauthorized reseller, the unauthorized reseller your warranty may or may not be honored. It is strongly recommended that you purchase RBP products from an RBP Authorized Resellers. To view dealers currently authorized to sell Rolling Big Power products, visit our website to see a complete list.

During the 5-year warranty period, RBP provides free replacement for any manufacturer's defects. RBP reserves the right to replace any individual component of the system, or the entire system at its sole discretion. RBP provides a limited lifetime warranty against rust on the running board assemblies for the original purchaser. Proof of purchase is required when submitting a request for warranty replacement. Within the limit of law, the interpretation of warranty policy solely belongs to RBP.

RBP STEALTH POWER WARRANTY

Exclusions to the RBP Stealth Power Warranty:

- Any product improperly installed, altered, lack of or improper maintenance or improper use of our products.
- No proof of purchase or RBP warranty registration as noted above
- Purchased from an unauthorized reseller
- Failure due to misuse, abuse, neglect or impact/collision
- Any cosmetic scratches or discoloration or any other cosmetic condition that does not affect mechanical operations
- Failure caused by force majeure
- Improper maintenance or care
- Any and all costs of removal, installation, freight, incidental or consequential damages are excluded from this warranty.



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