

# ROUGH COUNTRY

## SUSPENSION SYSTEMS®

### FORD 2021-23 Bronco 4 Door Electric Step

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 question 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:**

- Step Brackets/Actuators x 4
- Electric E Board x 2
- E Board Wiring Harness x1
- E Board Lights x4
- Magnetic Door Triggers x4

**TOOLS NEEDED:**

- Wheel Chocks
- 13mm wrench/socket
- 15mm wrench/socket
- 15mm wrench/socket
- 5mm Allen Wrench
- Side Snips
- Plastic Mold Tools
- 6mm socket
- 10mm wrench/socket



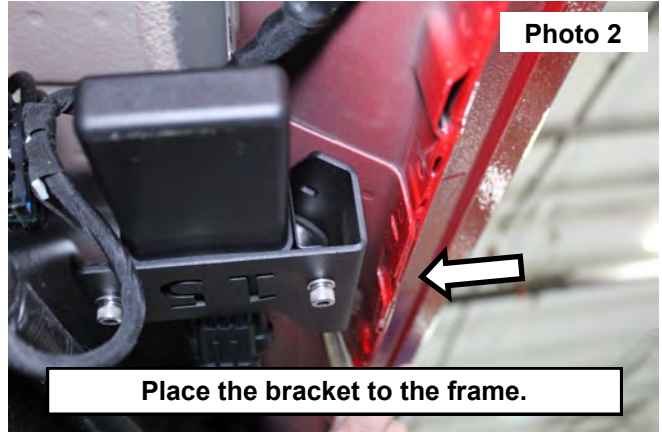
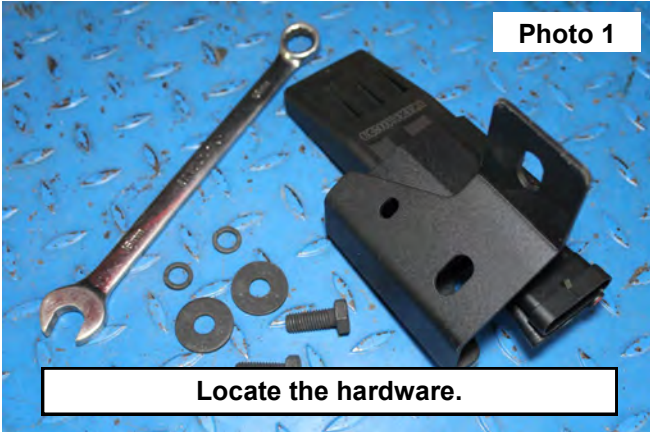
**Torque Specs:**

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

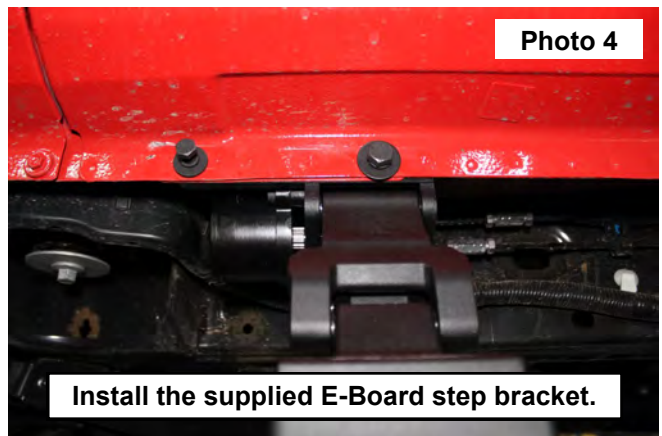


## INSTALLATION INSTRUCTONS

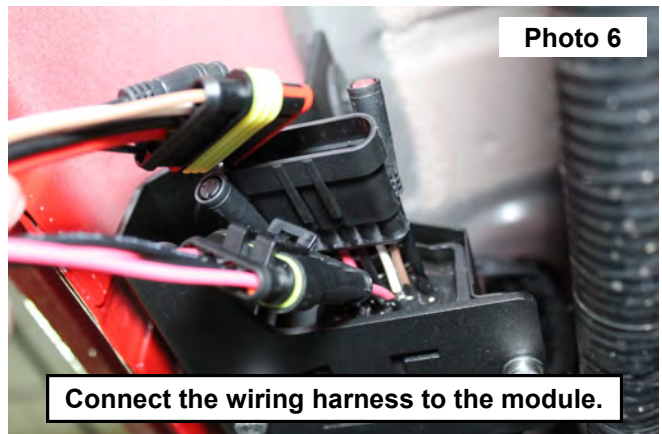
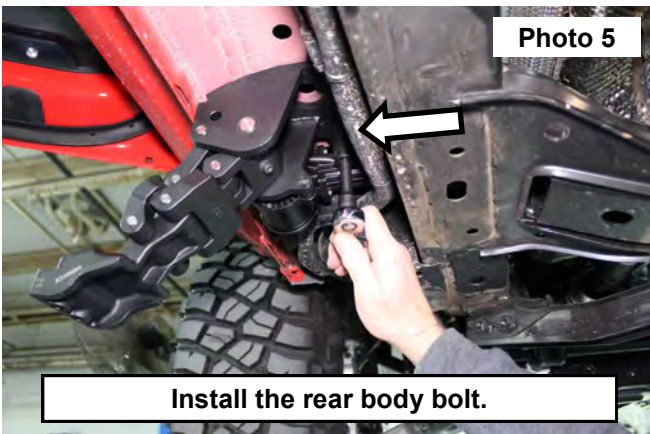
1. Park your vehicle on a clean flat surface, engage the parking brake and block the rear tires.
2. **Save all hardware removed from the vehicle unless otherwise noted.**
3. Open the hood and disconnect the negative terminal on the battery.
4. If vehicle is currently equipped with steps, remove from the vehicle. Ensure that any wiring that may be connected to the factory step is unhooked before trying to remove.
5. Locate the module and controller bracket, install the bracket to the driver side of the body mount using (1) bolt and washer on the threaded insert in the frame and (1) bolt and nut on the pinch weld of the body. Tighten using a 16mm wrench. **See Photo 1 and 2.**



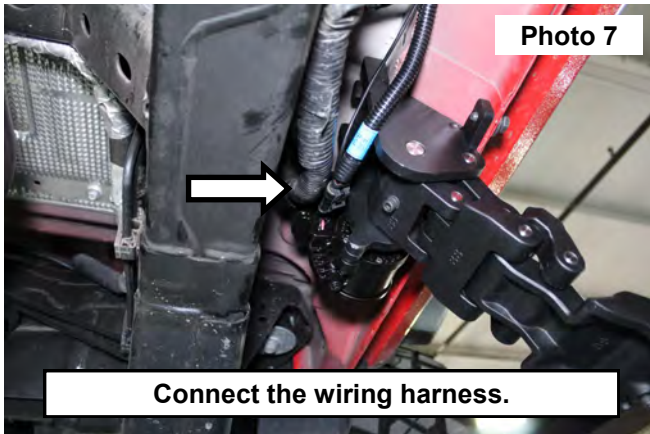
6. Step motor vehicle location placement is stamped onto the side of the step mount. Shown is the (Right Rear). **See Photos 3 and 4.**
7. Install the supplied E-Board step bracket/actuators in the forward most and rear most positions of the body using the supplied 13mm flat washers, lock washers, and nuts. Do not fully tighten at this time. **See Photo 4.**



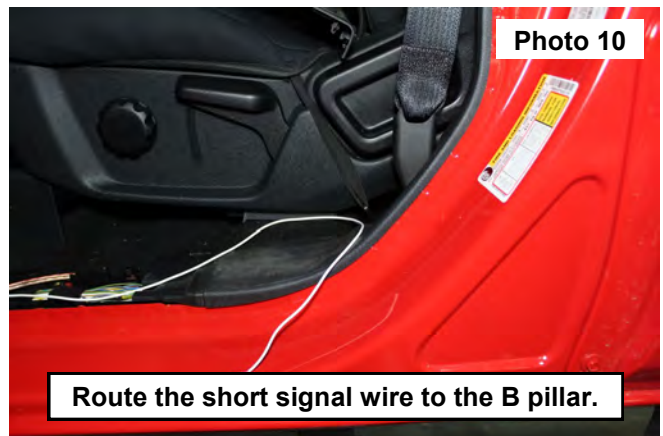
8. Install the bolt into the body to secure the rear of the mount. **See Photo 5.**
9. Connect the wiring harness to the module mounted to the driver side body mount. **See Photo 6.**



10. Connect the wiring harness to the step motors on each side of the vehicle. **See Photo 7.**
11. Insert the wiring harness through the access hole in the floor on each side of the vehicle. **See Photos 8-9.**



12. Route the shortest signal wire to the driver side B pillar. Route the switch to a location of your choice. This allows you access to turn the steps on or off if needed. **See Photo 10.**
13. Route the longer wire to the side opposite of the controller wire under the carpet to the passengers side B pillar of the vehicle.



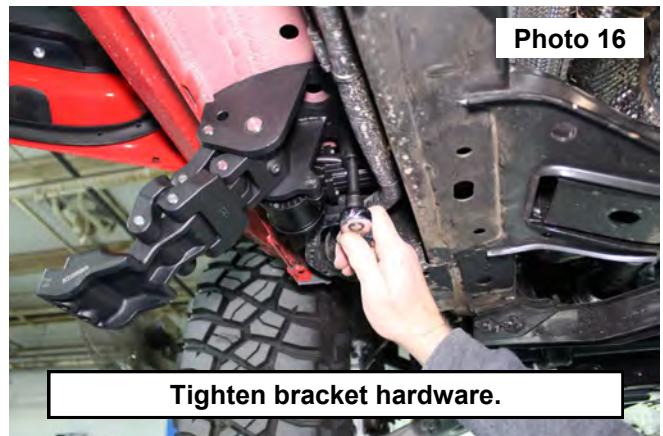
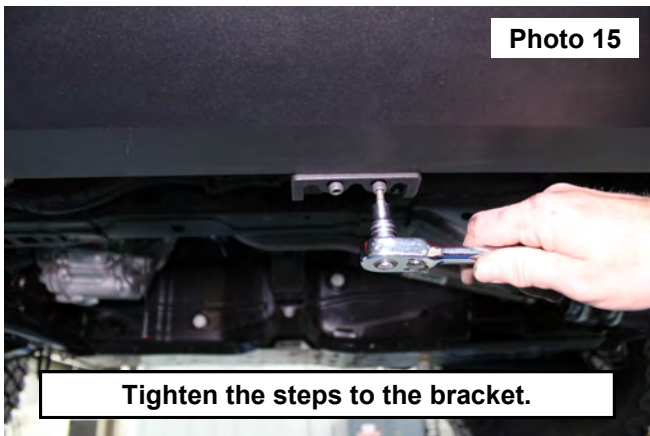
14. Once you have the signal wires routed to the B pillars on both sides of the vehicle, connect one side of the magnetic sensor using the provided butt connectors. Repeat for both sides of the vehicle. **See Photo 11.**
15. Locate a good grounding bolt in the B pillar for the other end of the sensors. Repeat for both sides of the vehicle.
16. Pass one of the sensors behind the rubber edge molding to the front door jamb. Peel off the double sided tape and stick to the door jamb as shown. Replace the rubber edge molding making sure to not cut the wires. Repeat the process for the passenger side.
17. For 4 door vehicles: Route the rear sensors behind the rubber edge molding as you did for the front sensor and place trigger as shown. Repeat for both sides of the vehicle.
18. The magnets provided can be fastened to the door at this time. These will need to be installed in such a way that the magnet will hover over the trigger pad when the door is opened. Using a measuring tape measure down from where you installed the sensors and place the magnet on the door in the same approximate location. Do not peel the tape back all the way at this time as you may need to play with the magnet location to get just right in the next steps. **See Photo 12.**



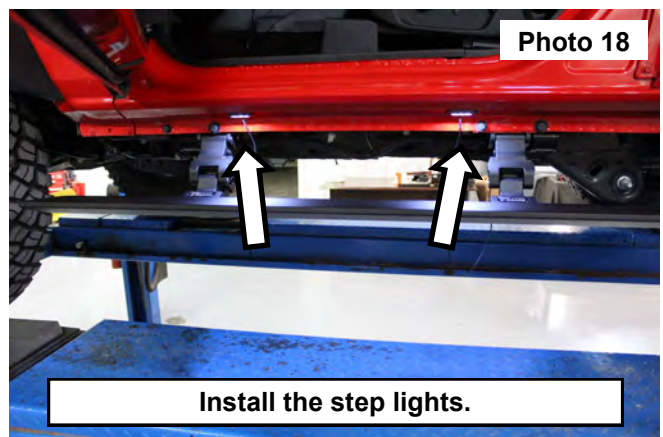
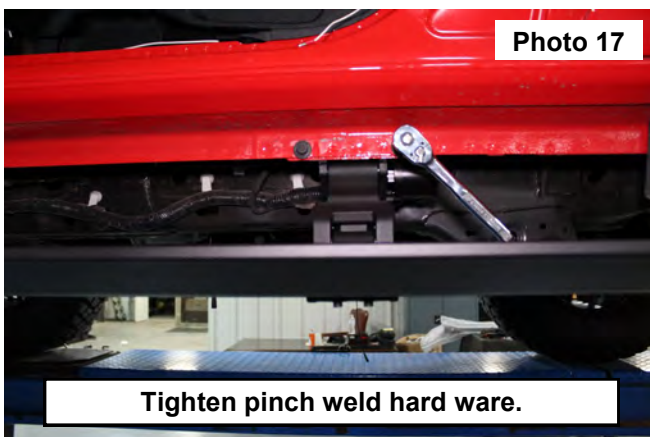
19. Reinstall all of the step, kicker and B pillar panels. You can use a pry tool to pull the rubber molding back over the top of the panels as you go. **See Photo 13.**
20. Install the E-Board onto the bracket actuator using the supplied 5mm socket head bolts. The aluminum sliders on the E-Board can be positioned into the block hasp of the bracket and the bolts installed. Leave the bolts loose so the board can be slid into the desired position. Stand back from the vehicle and make sure the step is in the best position front to back so that when it is retracted it will not hit the front fender. Once in position, tighten the bolts down using a 5mm hex wrench. Repeat for opposite side of the vehicle. **See Photo 14 / 15**



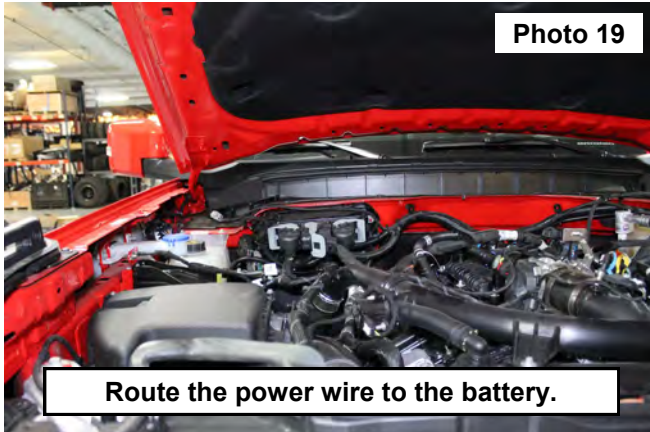
21. Once the step boards are installed, tighten the actuator hardware. **See Photo 16 and 17.**



22. The step kick includes entry lights. These are installed close to the area where you will be stepping down onto the board. Once this location is found, clean the surface of the body and stick the lights in place by peeling the backing off the double sided tape and pressing firmly onto the body. Connect the lights to their harnesses. **See Photo 17/18.**



23. Under the vehicle, route the positive and negative side of the harness up the passenger frame rail and into the engine bay. Use the provided zip ties to tuck all of the harness up and out of the way. **See Photos 19 and 20.**
24. Connect the positive and negative wires of the harness to respective positions on the battery. With all of the doors closed and the switch in the on position, open one door at a time to see if the steps are activating. If the step does not drop down or go into the parked position, you will need to adjust the magnet at that door until the step activates. You may need to mess with this multiple times to get the steps working just right. At the time that you do get everything working properly, mark the location of the magnet and remove. Peel the double sided tape protective cover off completely and reinstall to the marked location. Do this for all magnets.



25. Mount the valet switch into the desired location. **See Photo 21.**



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