



# INSTALLATION MANUAL

## 1st GEN BRONCO STEP SLIDER

**MADE IN THE USA**

**BD-SS-300-B1G**



## Step Sliders for the 1st Generation Bronco

## Step 1

### RUBBER TRIM INSTALLATION

Before you install the step slider, you need to install the rubber trim on both sides.

Place the rubber trim at the endcap of your step. Press it to the inner edge of the step slider. The trim may stretch, cut if necessary to fit between both endcaps.



### IMPORTANT

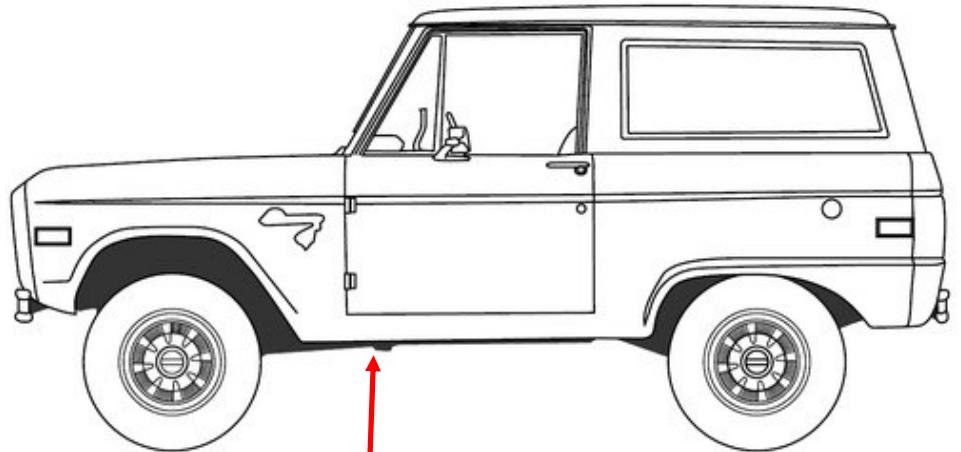
**DO NOT SKIP THIS STEP.**  
The rubber trim protects the side of your vehicle.

## Step 2

### MECHANICAL INSTALLATION OF THE STEP SLIDERS

Starting on the driver side, locate the body bolt on the underside of the vehicle. Loosen and remove the body bolt and washer. Repeat on the passenger side.

Breaker may be required to loosen body bolts.



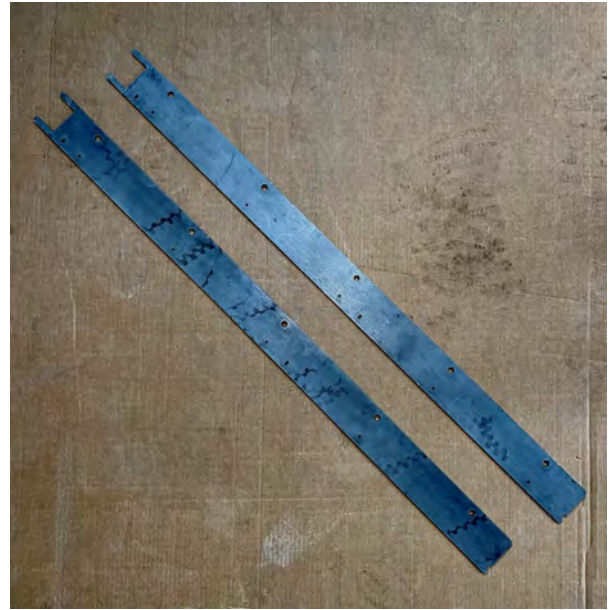
### IMPORTANT

RSE is not responsible for any body bolt damage. Please visit your Ford dealership or regular mechanic for assistance.



### Step 3

Locate the spacer plates. These will act as a template for you to mark the hole locations under the Bronco where you will drill and install Nut Zerts. There will be 5 nut zerts on each side to install.



### Step 4

1. Using the spacer plate, hold it up on the inside of the body.
2. Make sure it is flush with the bottom of the pinch seam, resting it on the pinch seam bottom lip.
3. The 5 LARGE holes should be near the bottom of the pinch seam.
4. Using a punch, mark the 5 SMALL holes on the upper part of the spacer template.



### IMPORTANT

The pinch seam lip should be straight and flat to allow the proper placement of the spacer plate to mark your drill holes. If the pinch seam lip is bent, you will need to straighten it before marking your drill holes.



## Step 5

Drill the 5 holes and install the Nut Zerts.

Repeat process for both sides.



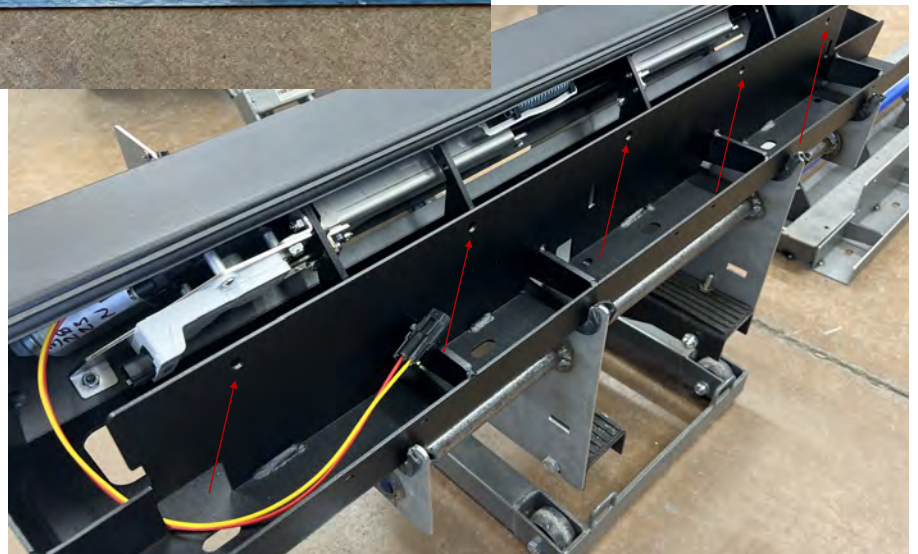
## Step 6

Mount the driver's side Step Slider to the vehicle using provided flange bolts.

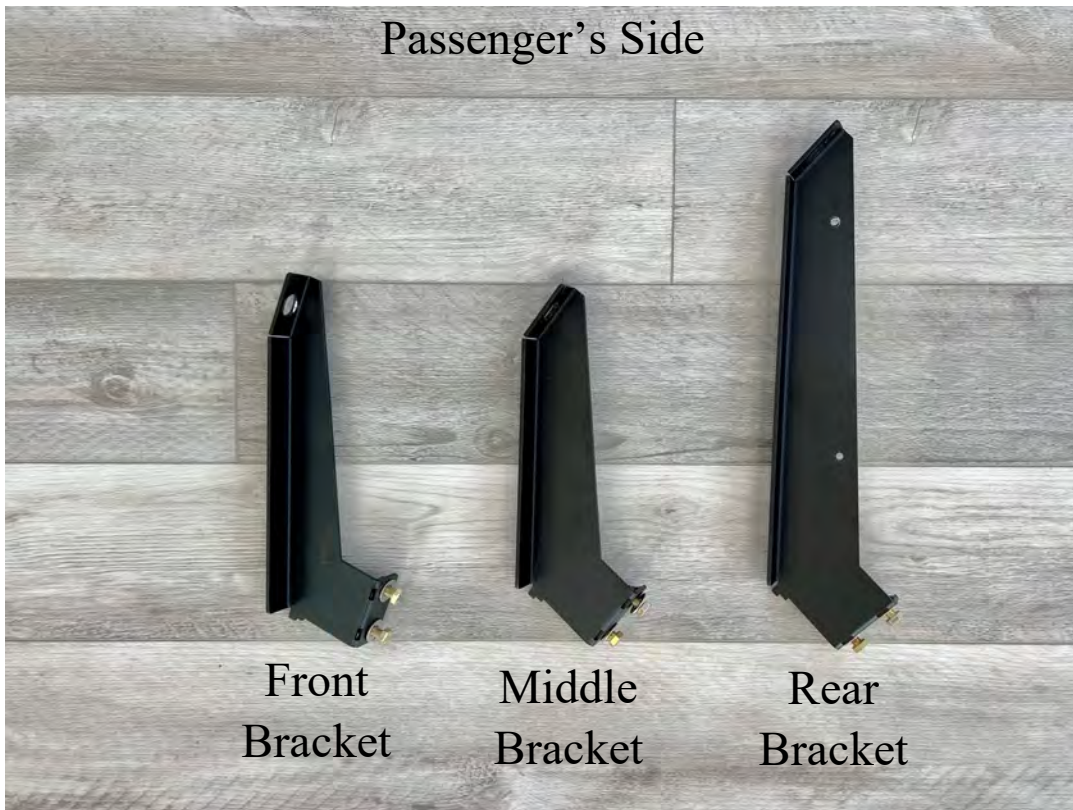
### IMPORTANT

Place the spacer plate (used in Step 4 as a template) between the vehicle body and the Step Slider body to fill the small gap caused by the pinch seam before inserting bolts into nut zerts. You will flip it to line up the large holes to the nut zerts.

Repeat and install Step Slider on passenger side. Note: having an extra person or a floor jack to help prop the Step Slider up to the vehicle will make bolting the step onto the body easier.



Locate and identify the Step Slider support brackets. There are 3 for each side.



## Step 8

The front brackets on each side will attach to the body bolt. Place the washer over the body bolt and then the upper part of the bracket over the bolt and then the nut. Use two washers and bolts provided, mount the bottom of the bracket to the Step Slider. Leave all nuts and bolts loose until the other brackets are in place.



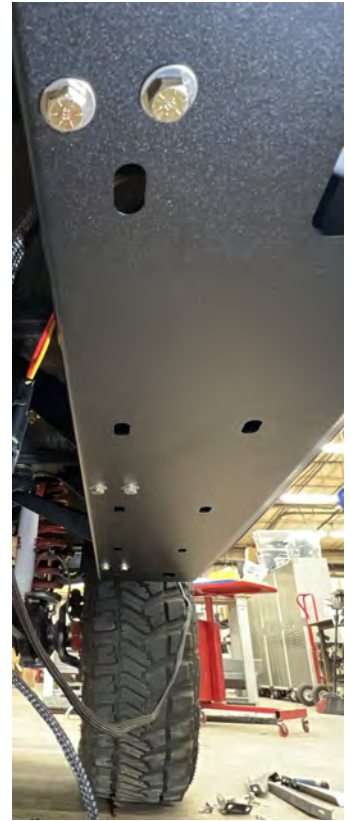
## Step 9

The other brackets will require marking a location to install a nut zert. It is important to make sure your Step Slider is level against the body of the vehicle before marking drill holes. Using a floor jack, you can provide support to the bottom of the Step Slider to ensure it is in a level position as it is hanging off the 5 body bolts previously installed. When level, temporarily mount your middle and rear brackets to the Step Slider using provided flange bolts. Snug the bolts so the bracket is sitting correctly against the Step Slider. Do not fully tighten as you will be removing them. Now locate where the upper part of the bracket hits the frame cross members. Mark a drill hole for the four brackets. Two on each side. Remove the brackets from Step Sliders so they are out of the way. Drill holes and insert the nut zerts.



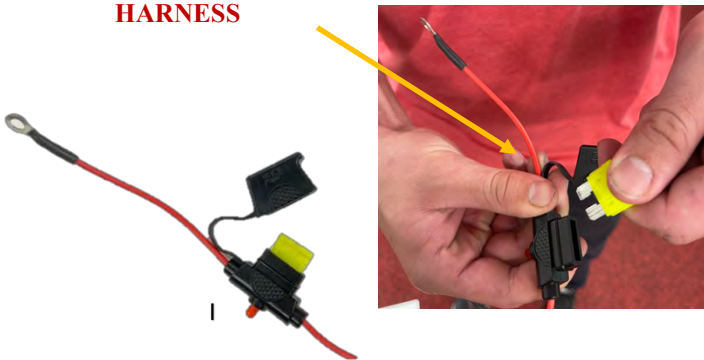
## Step 10

Reattached the brackets using the flange bolts to the Step Slider. Then install the flange bolts into the nut zert on the body cross member. Once all brackets are in position, tighten down the body bolts first followed by the bolts in the Step Slider. Also, tighten up the body bolt nut in the front.



## Step 11

### REMOVE THE FUSE FROM THE HARNESS

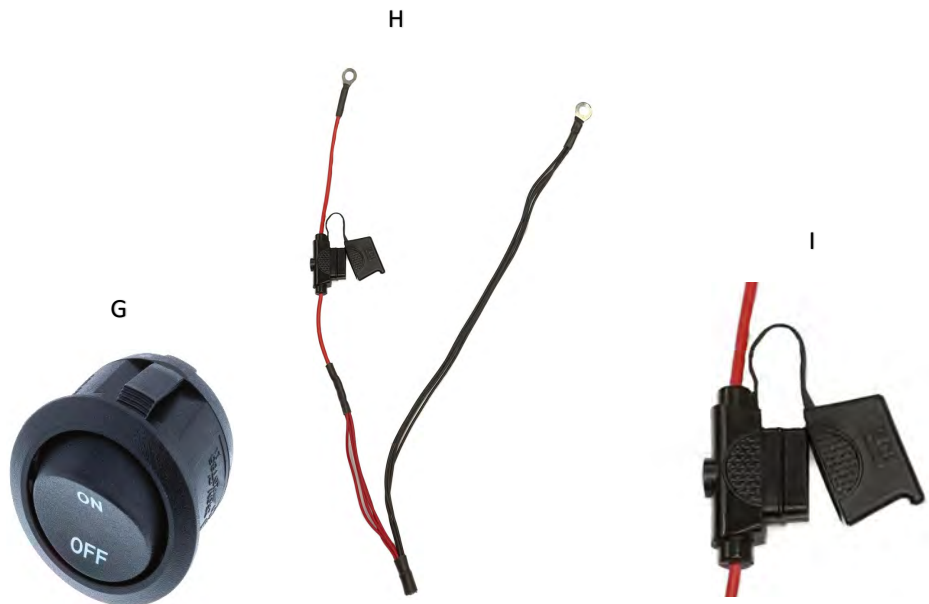
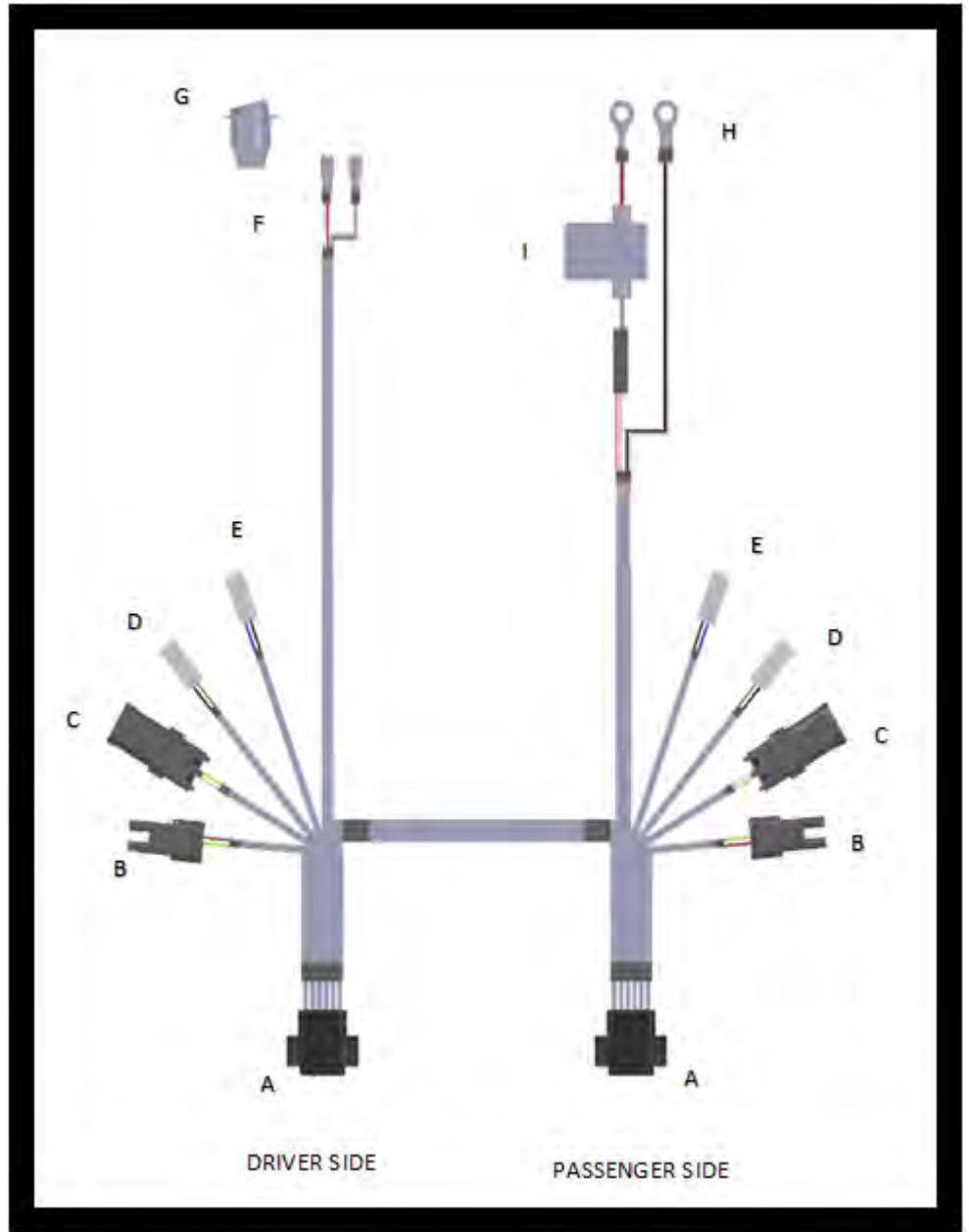


### INSTALLING THE PASANGER SIDE OF THE HARNESS

Once the fuse is removed: feed the side of the harness with the fuse case, red wire (+) and black wire (-) up from underneath the vehicle so it comes out in the engine bay by the battery. Attach positive and negative lead to battery. Zip tie the harness off so it is secure and away from heat or friction sources.

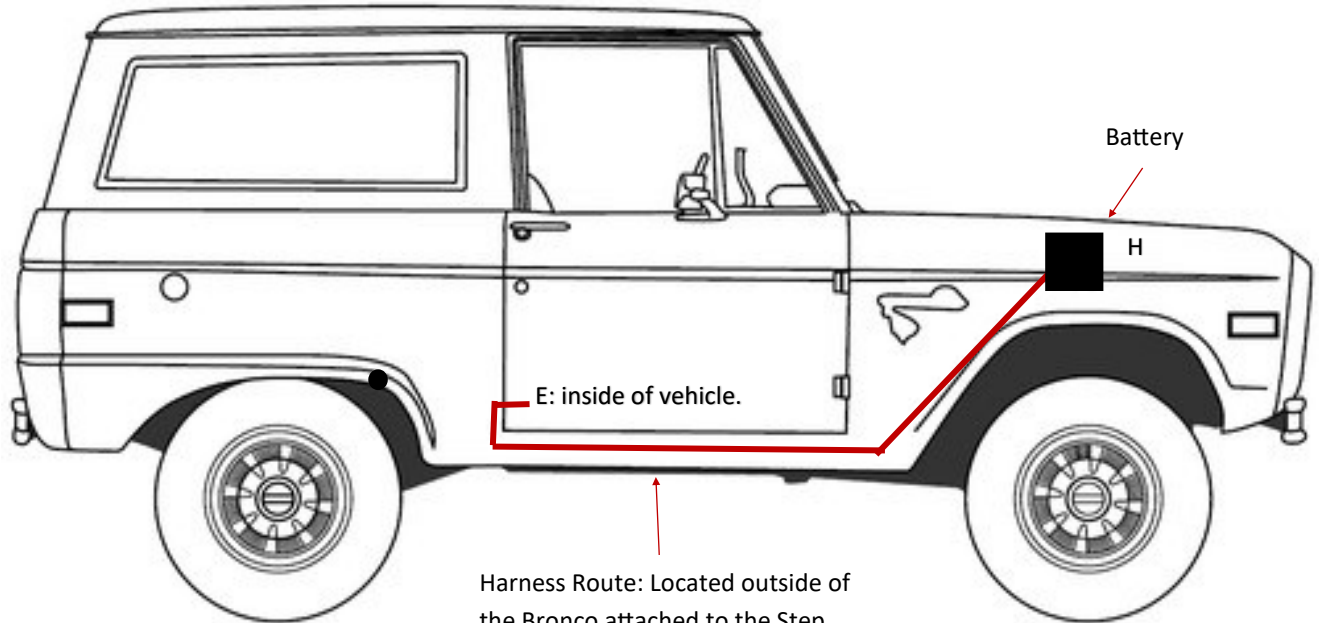
# Harness Diagram - 1

- A. CIRCUIT BOARD CONNECTOR
- B. MOTOR CONNECTOR
- C. LIGHT CONNECTOR
- D. REAR DOOR SENSOR (NOT USED)
- E. FRONT DOOR SENSOR CONNECTOR
- F. ROCKER SWITCH CONNECTORS
- G. ROCKER SWITCH
- H. BATTERY TERMINALS
- I. FUSE HOLDER



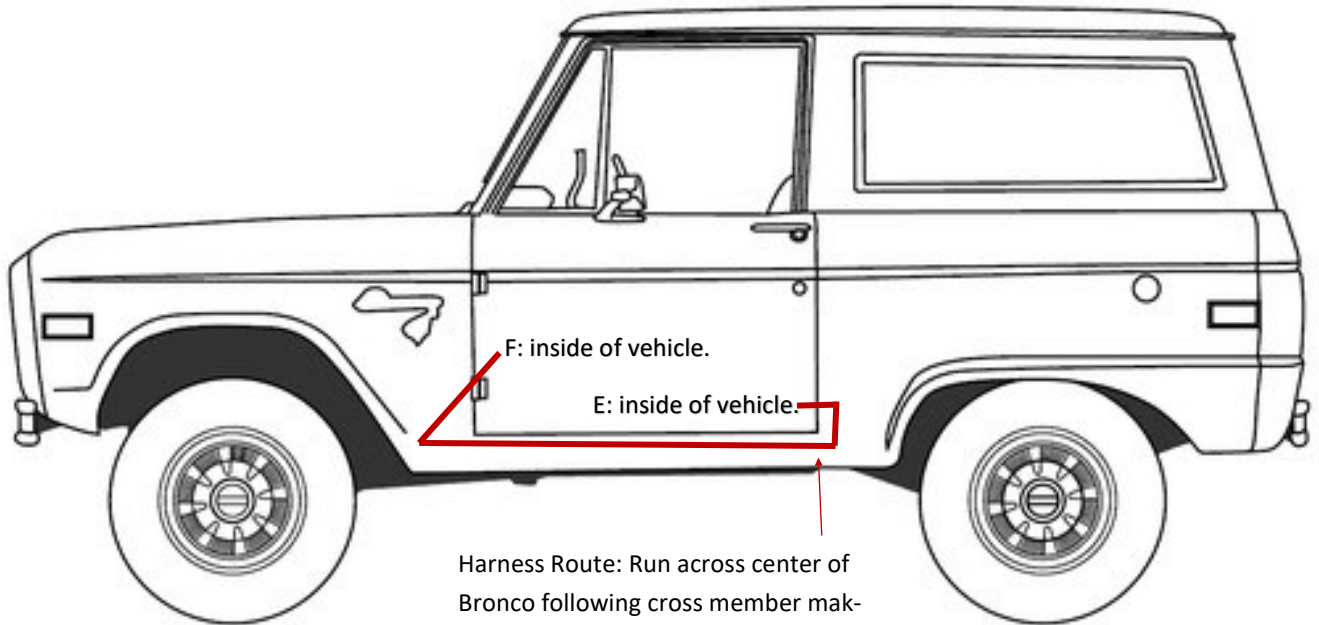


Harness Route: Passenger Side



Harness Route: Located outside of the Bronco attached to the Step Slider upper brackets.

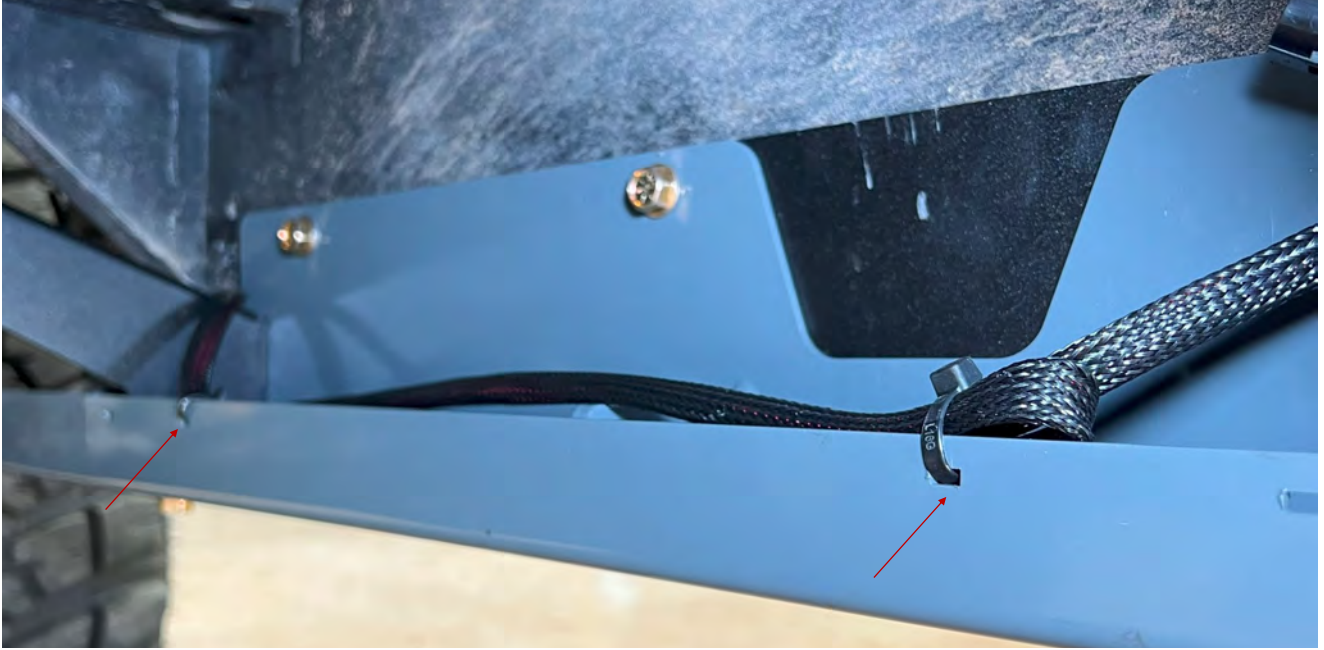
Harness Route: Driver Side



Harness Route: Run across center of Bronco following cross member making sure to stay clear of brake lines, drive lines and exhaust.

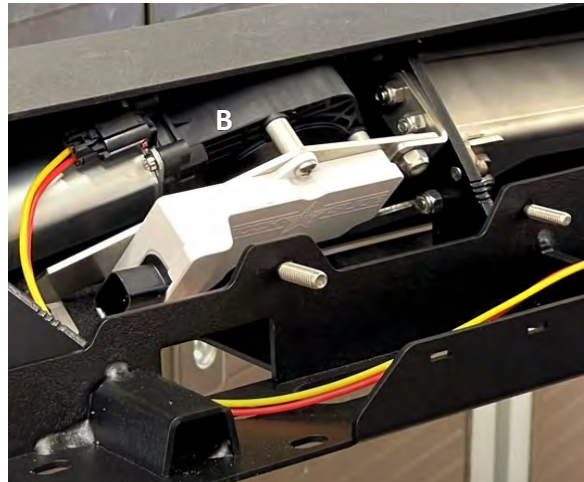
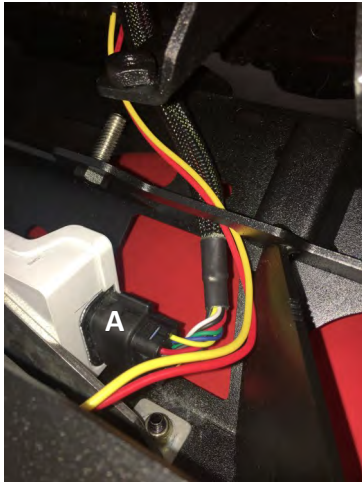
## Step 12

Run the wire harness along the passenger side of the Step Slider near the support brackets so it rests inside the bottom of the Step Slider. Zip tie the harness to the Step Slider using the provided square holes.



## Step 13

Plug the circuit board (A) and motor connector (B) into their ports. The additional wire on the harness is for the optional light kit connector (C). Tuck away inside of the step slider for later installation.



### IMPORTANT

Make sure your wires are not being pinched between the brackets, Step Slider or body of the Bronco.

## Step 14

Run the driver's side of the wire harness across the underside of the vehicle following the cross member and staying clear of any obstructions that could pinch the wires. Use the two rear support brackets of the Step Sliders to zip tie the harness to on both sides.



### IMPORTANT

Make sure your passenger side wires D & E for the door sensors are left hanging on the passenger side for install later.



## Step 15

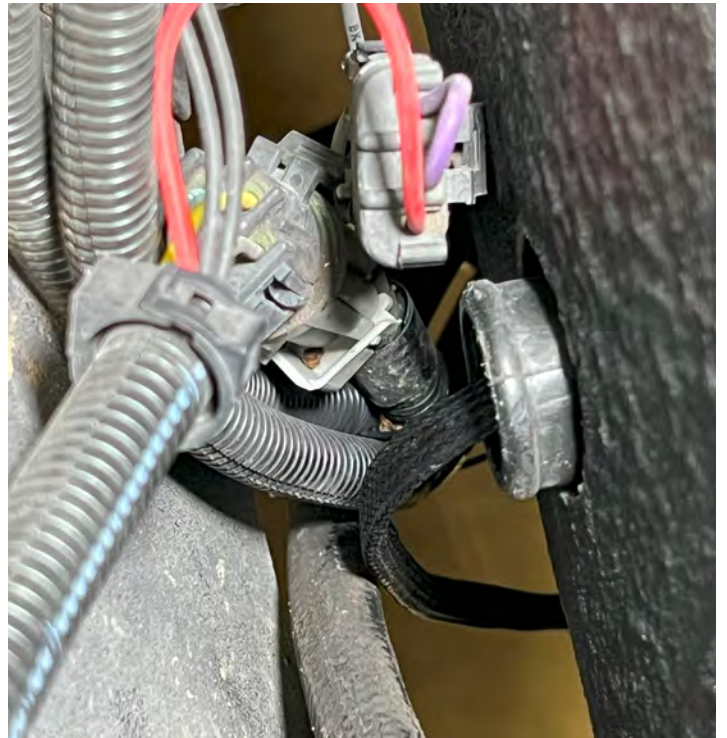
Continue the wire harness along the driver side, using the provided square holes to zip tie the harness to the Step Slider. Plug the circuit board (A) and motor connector (B) into their ports. The additional wire on the harness is for the optional light kit connector (C). Tuck away inside of the step slider for later installation. You will also have wires D & E for the door sensors and wires F for the power switch loose on this side.

### INSTALLING THE ROCKER SWITCH

Continue running the wire harness along the drivers side that contains F rocker switch connectors. Bring the harness up to the firewall and pass thru the firewall grommet and bring harness inside under the dash. Secure the harness along the Step Slider and up to the fire wall with zip ties.

Mount the switch bracket on the kick panel next to the parking brake pedal. Pull the wires through the bracket.

Plug red and black wires into the two prong switch. The wires can be plugged in on either side. Push the button back into the bracket until it snaps into place.



## Step 17

### CALIBRATION OF STEP SLIDERS

Before mounting the door sensors and magnets you will need to calibrate the Step Sliders for first use. On each side of the vehicle you will have two door sensor connectors D & E. The rear door sensor D will not be used. You can remove the connector, seal the wires and zip tie the excess to the wire harness so it is out of the way.

Install the fuse into our wire harness located at the battery. Turn on the switch you installed under the dash.

Start the calibration with the Driver's Door. Locate the blue sensor wire (E) and grab a sensor wire setup.

**Make sure the step is clear of all obstructions prior to calibration.**

Plug the door sensor into the wire harness. The step will fully deploy. Unplug the sensor from the wire harness and the step will fully retract. The calibration is complete on the driver's side step. Repeat this process on the passenger side step to calibrate it.



## Step 18

### SENSOR & MAGNET INSTALLATION

After calibration is complete, remove the fuse while you splice wires for the front door sensors.

Drill a small hole approximately 1" from the bottom of the door frame toward the rear fender.

Cut the white connector off the door sensor and pass the two wires thru the hole and pull all excess from the inside rear fender.

Mount sensor in door frame bottom corner with the adhesive backing and seal hole with silicon.



## Step 19

### SENSOR & MAGNET INSTALLATION CONTINUED

Remove the white connector for E on the harness side.

Splice the two harness wires to the two sensor wire using a water proof connector.

Secure wires and harness out of the way.

Repeat sensor install on passenger side.



## Step 20

Install the fuse into our wire harness located at the battery. Turn on the switch you installed under the dash. Both the driver's and passenger side step should deploy and remain in the down position.

Prep the backside of the magnet and the lower corner of the driver's door with an alcohol wipe. Remove clear plastic liner from the VHB and apply to the magnet.

Do a test fit to make sure the magnet is properly aligned with the door sensor BEFORE securing the mount onto the Bronco with the VHB.

Remove the yellow backing from the thin black VHB tape and adhere it to the lower corner of the door.

Close the door. If the magnet is in alignment with the sensor, the step will retract. Repeat on passenger side.





**You are done!**

**Scan this code to leave us a review!**

See our FAQ on the next page for any troubleshooting or give us a call!





# FREQUENTLY ASKED QUESTIONS:

<p><b>I just installed my steps and they are not coming down when I open the door.</b></p>	<p>Double check the connections. Check the fuse to make sure it is plugged in. Is the on / off switch getting power? Is the circuit board plugged in? Are the door sensors plugged in?</p>
<p><b>My rocker switch is getting power, but the light stays on in both positions.</b></p>	<p>The light is only supposed to be on when the system is turned on. If it is lit in both positions simply switch the red wires on the back. Will this kill my battery with the light constantly lit? This will not kill your battery unless you leave it lit for a month with no use.</p>
<p><b>Everything is plugged in and the switch is turning on and off, but the steps still won't deploy.</b></p>	<p>Check the motor first. Simply unplug it from the wiring harness and apply external 12V power to the leads. One position will make them deploy. Switch the leads again to make them retract. If this works, plug the motor back into the harness. We test each and every motor that leaves our factory by hand along with assembling your step slider by hand. These may fail, but it is extremely rare after we send them after having tested them. If you test the motor and all you hear is a clicking sound but nothing happens, there is likely internal damage.</p>
<p><b>I tested the motor, and it works. I checked the sensors individually, and the system still won't work. The steps don't deploy unless I do it manually with 12V power.</b></p>	<p>In rare circumstances, the circuit board that runs the system may be faulty.  Send us an email at <a href="mailto:Warranty@rockslideengineering.com">Warranty@rockslideengineering.com</a> to request a new circuit board.</p>
<p><b>I opened my door a bunch of times and the system just shut off. What happened?</b></p>	<p>Our systems have built-in protection against quick cycling like this to prevent damage. Simply remove your 20 volt fuse and re-install. This will reset the system and allow it to work normally again.</p>
<p><b>Everything is working now. But I want to take my doors off and have the steps still work.</b></p>	<p>We sell a door delete kit you can replace those sensors with. Part# SL-DD-100 comes with everything you need for two doors. If you want to install a delete kit on the rear doors as well, you will need to purchase two kits.</p>
<p><b>The steps deployed and won't retract. What is going on?</b></p>	<p>Chances are your magnets are misaligned. To diagnose which door needs to be adjusted, unplug the rear sensors with the front doors closed. If your steps come up, then it was the rear doors that need to be aligned with your magnet. If the step stays down, the front door needs to be aligned. Open your door, shift the magnet in a direction, and shut it again. Repeat until the step comes up when the door is shut. Mark the magnet placement on the front door. Plug the rear door sensor in, shut the rear door and front door, and see if it comes up. If not, the rear door is misaligned (Since we just aligned the front door we know it's the rear door now). Repeat the previous process of opening your door, shifting your magnet, and shutting your door until the step comes up. It may take a few tries.</p> <p>OPTION 2</p> <p>Check the sensors. Unplug both of them from the wiring harness on the side that is not working, and plug one back in. Manually test your sensors by putting a magnet really close (but not touching) to the sensor. Does it make the step retract? When the magnet is away, the step should deploy. If the steps deploy right after installation, more than likely your magnets just need to be aligned. Do this one by one with each sensor by the method above. Install one sensor, test, align the magnet on the door, test, and then mark the position of the magnet so if for some reason they do move out of place you can easily realign them.</p>
<p><b>I was off-roading, left my system on, someone left the door ajar and I ripped my step off on a rock. What now?</b></p>	<p>We can replace these parts for you at cost. You will have to remove the step off your vehicle to replace the innards. Call us and we'll figure out what you need exactly! If you prefer us to do the repair we will do that for you! You will have to cover shipping to us and the cost of the parts, but we will ship it back to you (from our warehouse to your house) on our account.</p>



# WARRANTY POLICY

## LIMITED TWELVE (12) MONTH WARRANTY FOR FINISH AND ELECTRICAL COMPONENTS

Rock-Slide Engineering, LLC (“RSE”) warrants to the original purchaser that (a) the structural and mechanical components of the Step Sliders will be free of defects in material and workmanship for the lifetime of the Step Sliders (the “product”), and (b) the finish (powder coat) and the electrical components (including the motor) will be free of defects in material and workmanship for a period of twelve (12) months from the original date of purchase. This warranty applies only to the original retail purchaser. Warranty is void if product was not purchased directly from R- SE or from an authorized RSE retailer or reseller. This warranty applies only with regard to the product as originally installed to the original vehicle. This warranty does not cover removal or reinstallation of the product.

To exercise this warranty and receive any warranty service, the original purchaser must provide RSE with proof of purchase and date of purchase that is acceptable to RSE, such as a copy of the original purchaser’s purchase receipt. The original purchaser must return the defective product to RSE along with a description of the problem, a copy of the original purchase receipt, the original bill of sale and all contact information (name, address, telephone number and email address). To begin the warranty process, the original purchaser must email RSE’s warranty department. During this warranty term, and upon the original purchaser’s valid exercise of this warranty, RSE shall, at its option, repair or furnish the replacement product in the event the original product is deemed by RSE to be defective. RSE’s sole liability shall be for repairing or replacing the product, but RSE may refund the purchase price at its sole discretion and option. The original purchaser is responsible for prepayment of all shipping and/or transportation charges with respect to the exercise of this warranty. The product may change without notice. In the event of a product change, RSE has no obligation to upgrade or modify any older generation product.

THE WARRANTY SET FORTH HEREIN IS THE ONLY WARRANTY COVERING THE PRODUCT. NO OTHER WARRANTY EXISTS, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE. No retailer, reseller, dealer, agent, or employee is authorized to make any modifications, extensions, amendments, or additions to this warranty.

This warranty shall be void in its entirety if RSE determines that the product installation was modified, changed, altered, customized or in any way used other than as instructed. Installation of the product without strictly adhering to the installation instructions shall void this warranty. Installation must be on the proper vehicle or warranty is void.

RSE SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, UNDER ANY LEGAL THEORY AND/OR UNDER ANY CIRCUMSTANCE WHATSOEVER. IN ANY EVENT, ANY DAMAGES IN ANY SITUATION SHALL BE LIQUIDATED DAMAGES AND MAY NOT EXCEED THE RETAIL PRICE OF THE PRODUCT. RSE SHALL NOT BE LIABLE FOR ANY LOSS, DAMAGE OR INJURY DIRECTLY OR INDIRECTLY ARISING FROM THE USE OF OR INABILITY TO DETERMINE THE USE OF THE PRODUCT. THE ORIGINAL PURCHASER IS RESPONSIBLE TO DETERMINE THE SUITABILITY OF THE PRODUCT FOR ITS INTENDED USE, PRIOR TO USING THE PRODUCT, AND THE ORIGINAL PURCHASER ASSUMES ALL RESPONSIBILITY AND RISK IN CONNECTION THEREWITH.

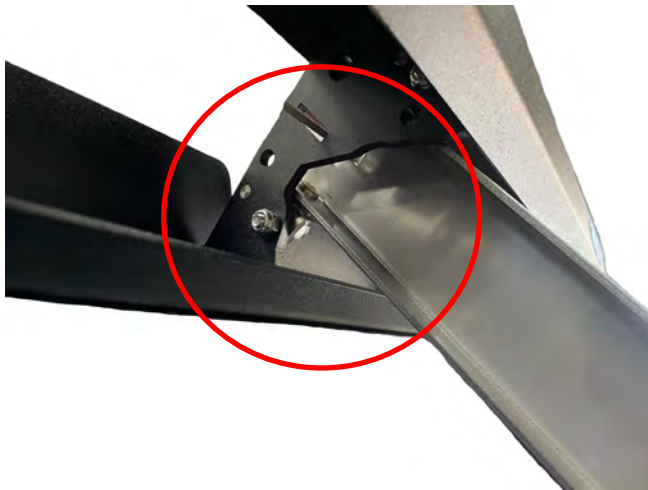
For questions or concerns: please contact our office at 435-752-4580 and ask for the warranty department or email us at [warranty@rockslideengineering.com](mailto:warranty@rockslideengineering.com).



**MADE IN THE USA**

# GENERAL MAINTENANCE MANUAL

To ensure your Step Sliders function properly, some maintenance is required! Properly clean and lubricate your Step Sliders after any off-road adventure and frequently during winter months.



Deploy the steps to pressure wash the body of the Step Slider and the internals. Apply a multipurpose lubricant in each of the pivot joints, and a dry Teflon lubricant spray on the spring when clean.



**Here are some lubrication options you can find in your local stores!**