

TUBE REAR BUMPER

2021+ FORD BRONCO

RBBR-08



TOOLS REQUIRED

- 10, 13 & 18mm sockets
- #4 & #8 Allen tool
- Phillips Head Screwdriver
- Wire Crimper's
- Wire Splicers/Cutters
- Zip Ties
- Flush cutters
- Trim Tool
- Safety Glasses

SKILL LEVEL

- Novice/Intermediate
 - 1 (you) to 2 persons
- Little skill level required, you can easily install it by yourself however, additional help will be useful

TIME REQUIRED

- 3 Hours
- Time to install this should only take about three hours.

WARNINGS/CAUTIONS BEFORE STARTING INSTALLATION

Before you install this kit — Read and understand all instructions, warnings, cautions, and notes contained in this installation instruction guide. Consult your vehicle owner's manual for proper disconnection of electrical and lifting of vehicle if required for installation of this product.

This install may require some technical skills and knowledge of basic mechanical work. If you do not feel that you are capable of performing this install please take this product to a trained professional.

After reading this guide please contact us with any questions or concerns before installing product.
Customer Service: 855-680-9595

DV8 Offroad is not responsible for any bodily injury or harm to you or your vehicle as a result of an improper install.

Proper installation of this kit required knowledge of the factory recommended procedures for removal and installation of original equipment components. We recommend that the factory shop manual and any special tools needed to service your vehicle be on hand during the installation. Installation of this kit without proper knowledge of the factory recommended procedures may affect the performance of these components and the safety of the vehicle

- Always wear eye protection when operating power tools

Inspect all contents of this package to make sure product is not damaged and all installation hardware has been included. If parts are missing from kit, please be prepared to provide the following information

1. Name of purchase location
2. Bar Code on side of box
3. Date above bar code
4. Date inside box cover

INSTALLATION MANUAL

Begin by unpacking all items and inspecting for missing pieces or damage. If you have any concerns, please contact the company the product was purchased from. Extra hardware may be included with the product.

HARDWARE INCLUDED

- | | |
|-------------------------------|-----------------------------|
| (6) M12x35 Allen Head Bolts | (2) M4 Nuts |
| (6) M12 Clip Nuts | (4) M6x14 Allen Head Bolts |
| (6) M112 Split Washers | (8) M6 Flat Washers |
| (6) M12 Flat Washers | (4) M6 Nylon Lock Nuts |
| (2) M4x15 Phillips Head Bolts | (1) License Plate Light |
| (2) M4 Large Flat Washers | (4) Wiring Connectors |
| (2) M4 Split Washers | (1) 18 Gauge Length of Wire |



STEP 1 | Unplug the factory bumper from the Bronco. Locate the small plug just to the rear of the rear wheel wells on each side of the bumper.



STEP 2 | Using a 13mm socket, unbolt the side bumper supports on each side of the bumper, just outside of the frame rails.



INSTALLATION MANUAL

STEP 3 | Remove the lower four bumper bolts using a 18mm socket.

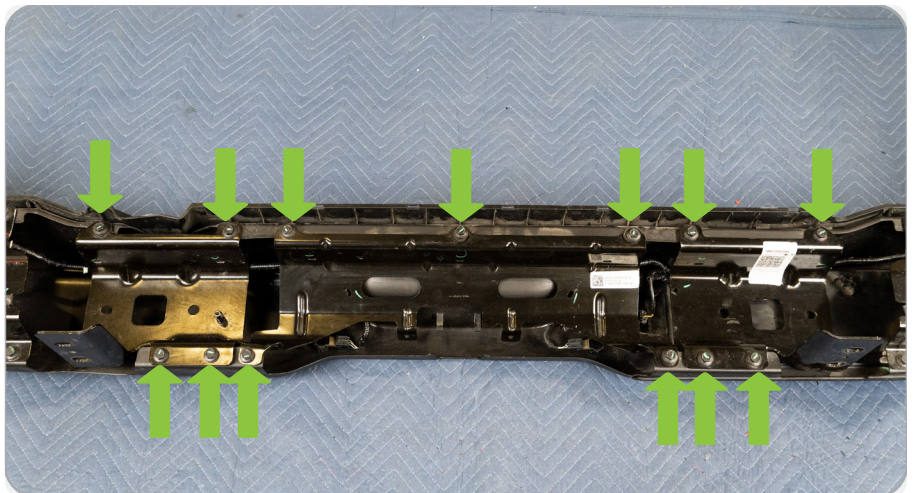
Note: When completing this step, the bumper can become free from the vehicle and can fall. Ensure you have another person holding the bumper secure to prevent injury.

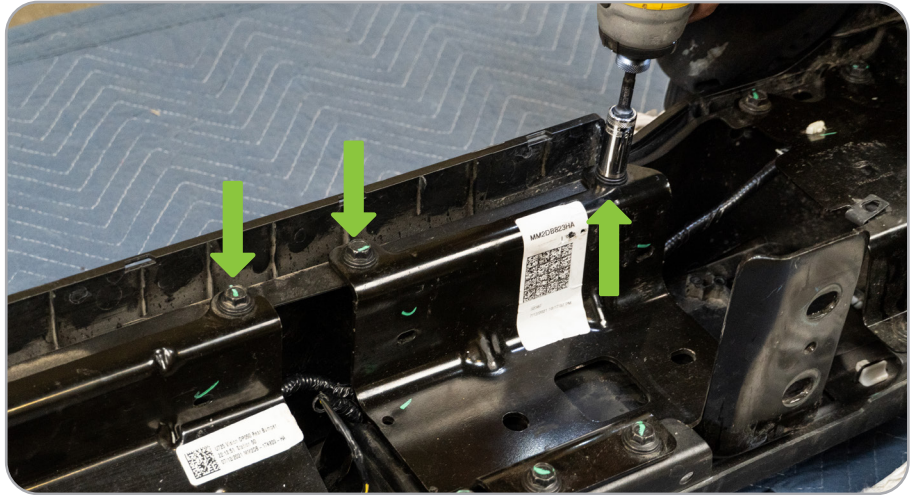


STEP 4 | Once the bumper is removed, let the factory bumper on a covered work bench face down. Unclip the license plate light by squeezing the plug and pulling it away from the bumper.



STEP 5 | Using a 13mm socket, remove the (13) bolts that secure the three center brackets.





STEP 6 | Using a push pin removal tool remove the clip that secure the wiring harness to the bumper or bracket.

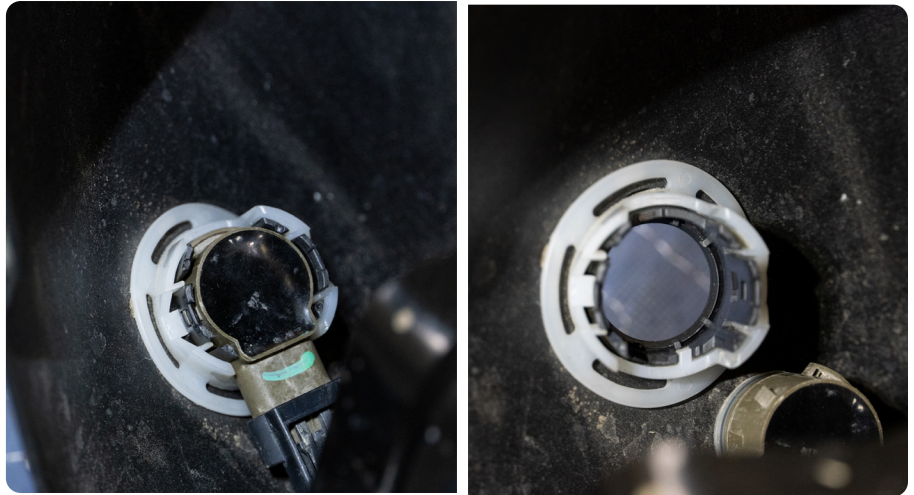


STEP 7 | Remove the two center sensors from the sensor bezels by spreading the two tabs on the bezels and pull the sensor up.



INSTALLATION MANUAL

STEP 8 | To remove the outer sensors, spread the tabs on the inner gray sensor bezel to release the sensor.



STEP 9 | Carefully, pull the wire harness away to be used on your new DV8 bumper.

You are now done with the removal of your Bronco rear bumper.



STEP 10 | Lay the DV8 bumper face down on a covered work bench.

Feed the parking sensor wiring harness through the openings in the bumpers so that all sensors lay near their respective openings.

Secure the harness to the bumper using zip ties on the welded-in zip tie tabs.



INSTALLATION MANUAL

STEP 11 | If you are planning to run pod lights, mount the lights now using the hardware provided with the light.



STEP 12 | If your vehicle is equipped with parking sensors, remove the bumper plugs at this time by pushing them out towards the front of the bumper.



INSTALLATION MANUAL

STEP 13 | Install the DV8 MOTORCRAFT sensor bezels, part #MCFSNSR-01 through the face of the DV8 tube bumper.



STEP 14 | Feed the parking sensor wiring harness through the openings in the bumpers so that all sensors lay near their respective openings.

Install the parking sensors into the DV8 MOTORCRAFT parking sensor bezels.

Secure the harness to the bumper using zip ties on the welded-in zip tie tabs.



INSTALLATION MANUAL

STEP 15 | Install the provided M12 nuts clips on to the provided frame rail brackets as shown.



STEP 16 | Using the factory hardware and an 18mm socket, secure the provided frame rail brackets onto the vehicle frame rails.



INSTALLATION MANUAL

STEP 17 | Using a #8 allen tool and the provided M12 allen head bolts, loosely secure the bumper to the provided frame rail mounts.

Use (1) M12 split washer and (1) M12 flat washer per M12 allen head bolt.



INSTALLATION MANUAL

STEP 18 | Reconnect the bumper harness on both sides of the vehicle.



STEP 19 | To wire up the license plate light you will need to cut off the factory connector and wire it to our new LED light, or you can opt to wire in a new plug for easy on and off connection.



STEP 20 | Install your license plate onto the relocation bracket using the provided M6 hardware with a #4 allen tool and 10mm wrench.



INSTALLATION MANUAL

STEP 21 | Drop the provided M6 serrated nut into the rubber bumper and install onto the license plate bracket using the provided M6x20 hardware and a 4mm allen bit.



STEP 22 | Peel the paper off the provided foam and install onto the license plate light by sliding the wires through the foam.



STEP 23 | Install the license plate light onto the bracket with the light facing the license plate. Use the provided M4x15 hardware with a Phillips head screwdriver.



INSTALLATION MANUAL

STEP 24 | Using the provided wire butt connectors, connect the license plate light to the provided wiring harness.



STEP 25 | Moving to the Bronco, remove the lug nuts from the spare tire carrier using a lug nut tool and remove the spare tire.

Note: Assistance is recommended for removing the spare tire to prevent injury or damage.



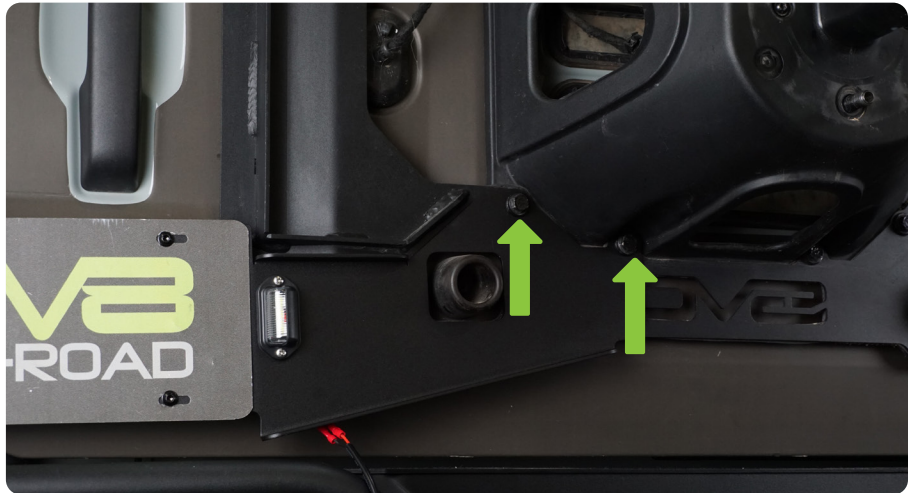
STEP 26 | Remove the two factory bolt on the bottom driver corners of the spare tire carrier using a 13mm socket.

Note: This is shown with our TCBR-01 backing plate. This bracket is compatible with and without the TCBR-01 carrier installed.



INSTALLATION MANUAL

STEP 27 | Loosely install the license plate bracket onto the vehicle utilizing the factory hardware and 13mm socket. Ensure the wiring will not be pinched between the bracket and vehicle.



STEP 28 | To run the wire behind the spare tire carrier and through the vent in the tailgate it may be necessary to loosen one or two additional bolts of the tire carrier to create clearance for the wire.



STEP 29 | Open the tailgate and remove the trim piece on the interior of the tailgate using a trim piece removal tool.

Unclip the fasteners on the bottom of the long trim and slide it down to remove.

Unclip the fasteners on the passenger side of the wide trim and slide to the passenger side to remove.





STEP 30 | Feed the wire through the vent in the tailgate while reaching inside the tailgate and feeding out of either of the “accessory ready” holes. You may choose to secure the wire to the existing wiring loom with zip ties for a cleaner feel.

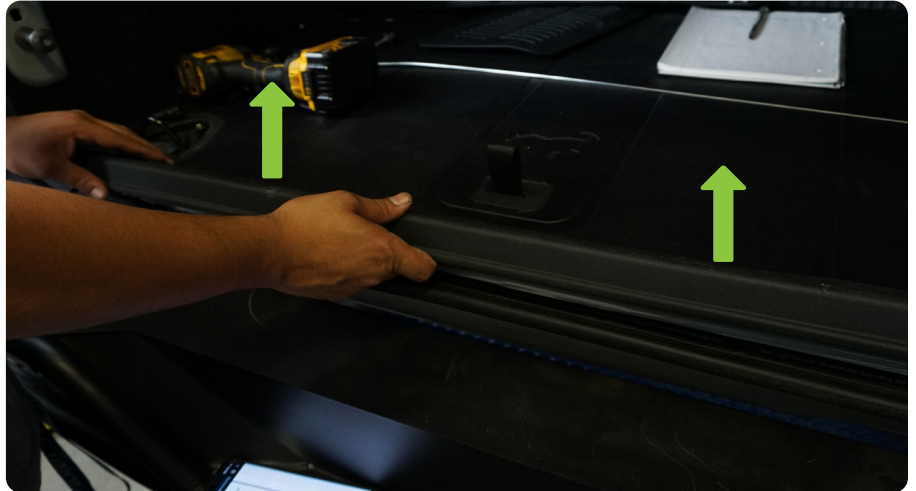


STEP 31 | Partially remove the trim piece to the passenger wall of the trunk, closest to the tailgate by pulling up on the bottom and out on the sides. Use a trim piece removal tool if necessary.



INSTALLATION MANUAL

STEP 32 | Remove the trim piece behind the compartment for the factory jack by pulling up on it. Use a trim piece removal tool if necessary. Run the wire down the sidewall and along the bottom of the interior.



STEP 33 | Partially remove a section of the weather-stripping along the bottom of the trunk, near to the driver side of the vehicle and feed the wire through.

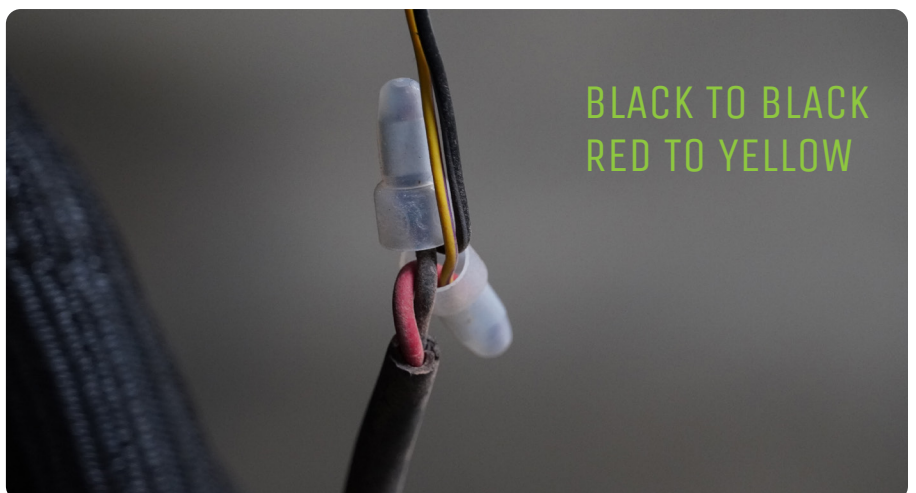
Replace the weatherstripping and all interior trim panels when finished. Finish running the wire behind the bumper to where the factory license plate light wiring is located.



STEP 34 | Disconnect the battery to prepare for splicing wires.

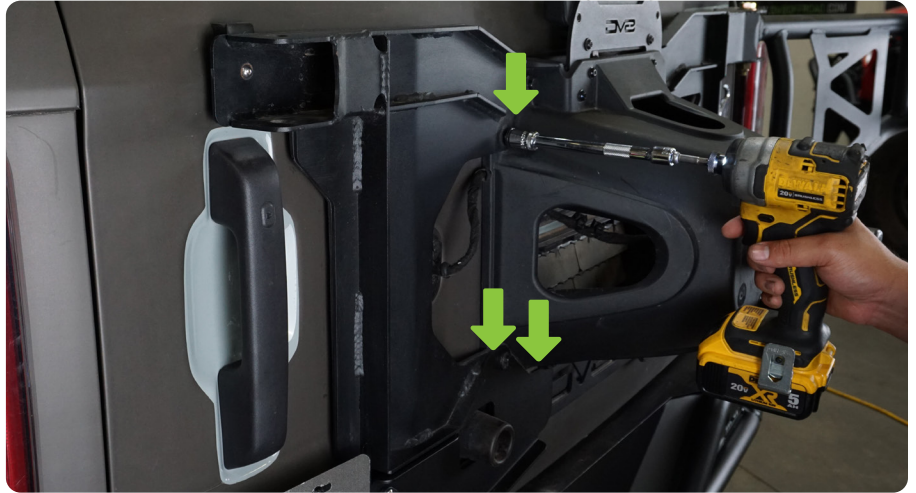
If you have a lot of excessive wire, trim it to an appropriate length. Snip the factory license plate wiring to splice the new license plate wiring. If you wish to keep the quick disconnect wiring solution, be sure to cut the wires after this connection, so that it will remain on the vehicle. This will allow for easy connection and disconnection.

Reconnect battery when finished.



INSTALLATION MANUAL

STEP 35 | Finish securing spare tire carrier bolts securing the license plate relocation bracket using a 13mm socket. If you loosened bolts to create clearance for the wire, re-tighten these also with a 13mm socket.



STEP 36 | Double check that all hardware is secure.

Congratulations, installation of the DV8 tube rear bumper is now complete.

