

## FS-15 Series Front Bumper

2021 FORD BRONCO

FBBR-02



### TOOLS REQUIRED

- #3 Allen
- Zip Ties
- 18mm & 21mm Socket
- 21mm Wrench

### SKILL LEVEL

- Novice/Intermediate
  - 2 to 3 people
- Intermediate skill level required.  
Additional help will be needed  
when removing factory bumper.

### TIME REQUIRED

- Approximately 2.5 Hours
- Time to install this should  
take about 2.5 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

## STEP 1

### REMOVAL OF FACTORY STEEL BUMPER

Begin by removing the front plastic d-ring guards. Using a screwdriver or push pin remover, remove the (2) pins on the bottom and (2) near the top of the d-ring mount.



Pull the top half away from the Bronco and set to the side. Repeat for the other side.



## STEP 2

Using a 15mm socket, loosen the (3) bolts on each side.

*Note: When you do this, the bumper can become free from the vehicle and can fall. Ensure you have another person holding it, or the bumper secure to prevent falling and injury.*



# INSTALLATION MANUAL

## STEP 3

Once all bolts are loose, remove the plug for the fog lights and front sensors if equipped. This is located at the back end of the grill on the driver side.



## STEP 4

Once unplugged, remove all (6) bumper bolts and d-rings mounts. Set bumper face down off to the side.

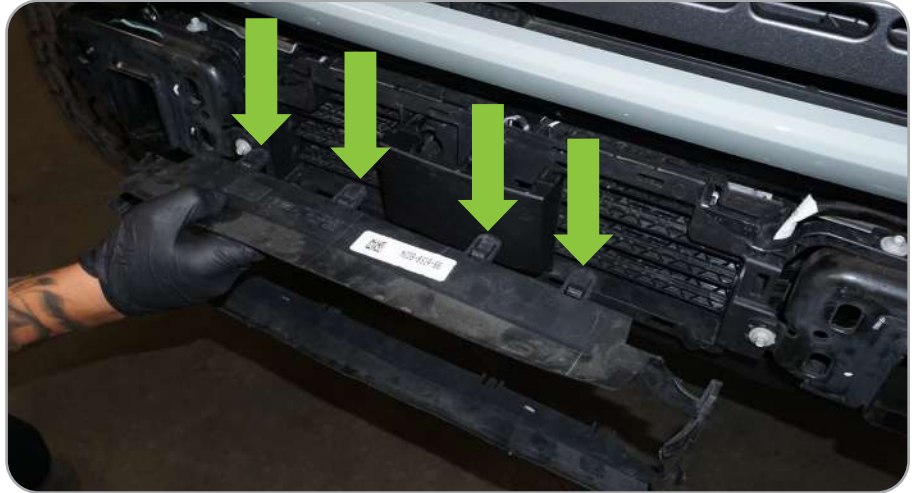




# INSTALLATION MANUAL

## STEP 5

Remove the rubber/plastic shroud under the grill by pulling the tabs on the shroud away (up/down) from vehicle while pulling the shroud from the vehicle.



## STEP 6

If you do not have adaptive cruise control, remove the plastic cover by pushing the clip on the top down while pulling away from Bronco, and set off to the side.

*Note: If you have adaptive cruise control, you will need to relocate the module using our ABBR-01 to retain the functionality (Adaptive Cruise Control Relocation Bracket).*



## STEP 7

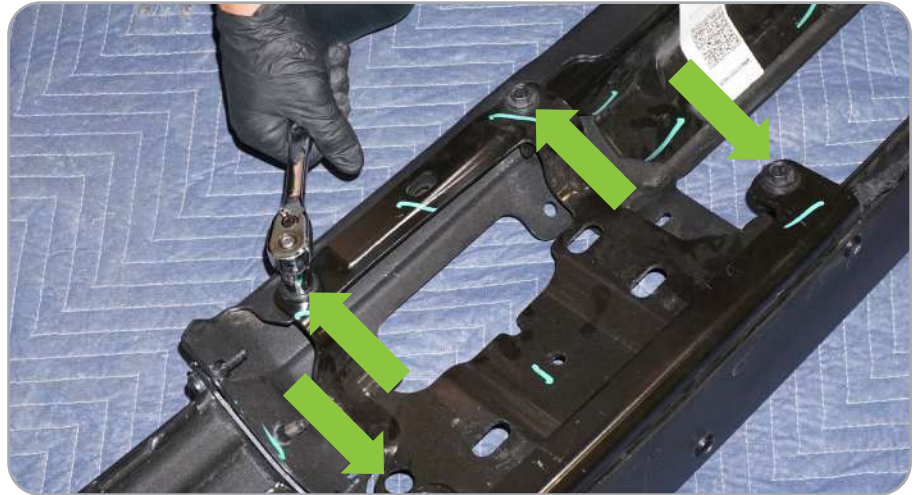
Reach behind each bumper mount on the frame rail and remove the factory nut plate.



# INSTALLATION MANUAL

## STEP 8

If equipped with sensors, remove the main bumper brackets from the backside of the bumper using a 13mm socket, remove the (4) hex head bolts.



## STEP 9

Next, using a T40 torx bit, remove the (6) bolts securing the mount in place. Once removed, gently separate mount from bumper, and set off to the side.





# INSTALLATION MANUAL

## STEP 10

To remove the wire harness, using a flat head screwdriver or pin puller, remove all the retaining clips securing the harness to the bumper.



## STEP 11

To remove the sensors, spread the two tabs on the sensor bezel and gently pull up on the sensor. Make sure that the rubber ring around the sensor head remains on the sensor.



## STEP 12

Lastly, gently squeeze the same two tabs on the sensor bezel and push the backside of the sensor to remove the bezel. Continue the same steps on the remaining sensors.



# INSTALLATION MANUAL

## STEP 1

### INSTALLATION OF DV8 BUMPER

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.

#### Hardware Included:

- |                       |                     |
|-----------------------|---------------------|
| (6) M12x50mm Bolts    | (4) M6x20mm Bolts   |
| (6) M12 Split Washers | (4) M6 Lock Nuts    |
| (12) M12 Flat Washers | (8) M6 Flat Washers |



## STEP 2

Place the bumper face down on a soft surface to prevent any damage to the coating.



## STEP 3

If vehicle is equipped with factory sensors, lay out the harness over the bumper and begin to feed the harness into the bumper cavities so that the sensors lay near their corresponding holes.

*Note: The large plug on the harness needs to be on the driver side of the bumper.*

*Note: If your vehicle is not equipped with sensors, use provided sensor plugs and skip to step 6.*





# INSTALLATION MANUAL

## STEP 4

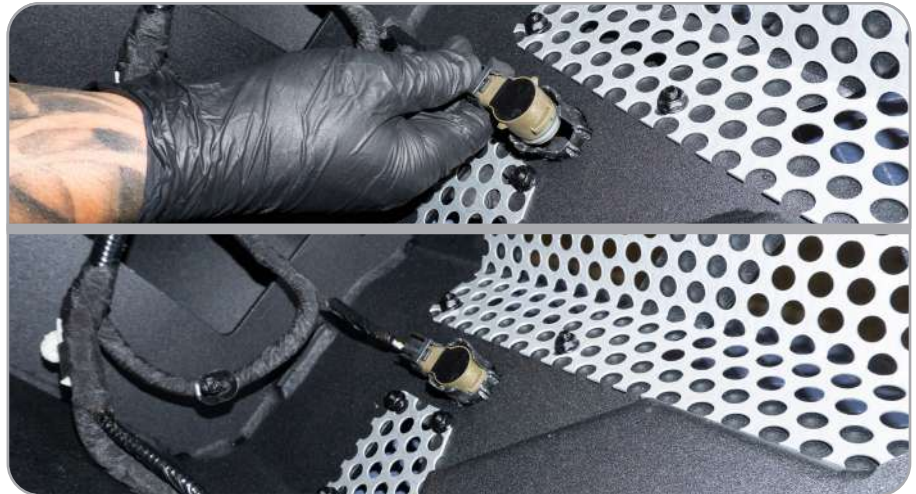
Lean the bumper back and fit the sensor bezels into place.

*Note: Our bumpers are designed to accept both factory metal bumper and plastic bumper sensor bezels. All cutouts are cut differently to ensure each bezel is placed into the correct hole. They should easily pop into place.*



## STEP 5

While holding the front of the sensor bezel, push the sensor into the bezel, until the sensor clicks into place. Repeat steps for all sensors.



## STEP 6

Using the welded in zip tie tabs, secure the wiring harness to the bumper.

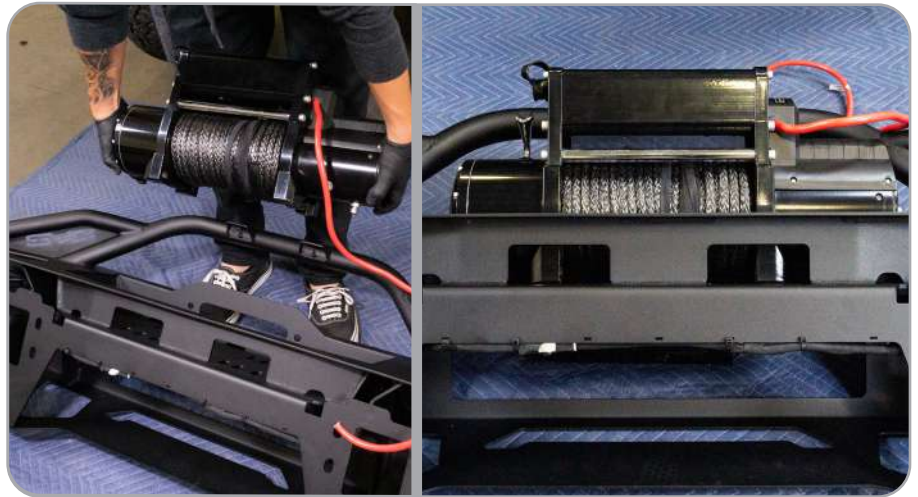




# INSTALLATION MANUAL

## STEP 7

If you will be installing a winch, you will want to install that now. Using the hardware provided with your winch, secure the winch into place according to the winch manufacturers specifications. Secure the wiring up and away from the back of the bumper. Do not run the wiring yet as it will make installing the bumper more difficult.



## STEP 8

Our FBBR-02 light mount is designed to hold (1) 20" dual row light, or (6) 3" pod lights.



## STEP 9

Install the mount using the provided (4) M6 allen head bolts and nuts.

*Note: Our mount has an offset. Depending on the light being used, you can either have the lights offset forward or slightly backward. Check prior to installation (for reference we offset ours forward for our 20" dual row).*



# INSTALLATION MANUAL

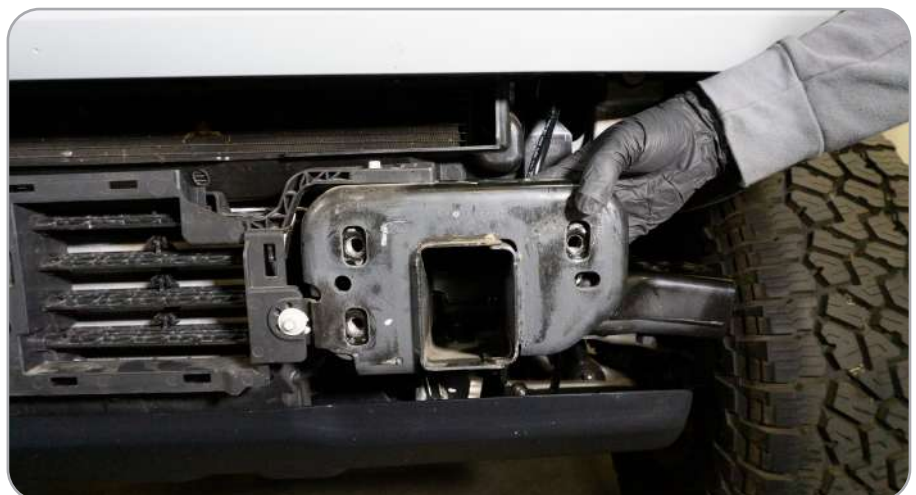
## STEP 10

Install light onto mount using hardware provided with light and secure wiring using zip tie tabs onto the bumper.



## STEP 11

Reinstall the factory nut plates on the backside of the frame mounting plates.





# INSTALLATION MANUAL

## STEP 12

With assistance, hold the bumper up to the frame plates and install using the provided M12 hardware using a 18mm socket.



## STEP 13

As you tighten the hardware, level the bumper to your preference and secure the bolts to 70ft lbs.



## STEP 14

If running a winch, run the wiring through the rear access holes of the bumper. Plug in the factory wiring harness into the driver side plug.



# INSTALLATION MANUAL

## STEP 15

If you are going to be adding the FBBR-02W full width wings to the bumper, then lay them out on a soft surface to install the foam padding.



## STEP 16

Using the supplied M12 hardware, install the wings onto the bumper. Align with the bumper and the grill, and secure.



## STEP 17

Double check all hardware and connect lights and winch to power supplies.

***You are now done with the install of your new DV8 FS-15 Series Front Bumper.***

