

TUBE SERIES FRONT BUMPER

22+ BRONCO RAPTOR

FBFR-02



TOOLS REQUIRED

- 13mm, 15mm, 16mm, 18mm, 19mm Socket
- 19mm Deep Socket
- 4mm, 5mm, 8mm Allen Bit Socket
- 13mm Wrench
- T40 Torx Bit/Torx Plus 40
- Trim Clip Tool

SKILL LEVEL

- Novice/Intermediate
- 2 persons

Little skill level required, however, assistance is required for installation and removal of bumpers.

TIME REQUIRED

- 4 Hours

Time to install this should only take about 4 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 guard. Using a screwdriver or push pin remover, remove the (17) pins across the d-ring guard.



Pull the D-ring guard away from the Bronco firmly and set to the side.



STEP 2

Loosen the (6) bumper bolts.

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. Set bumper face down off to the side on a soft surface not to scratch the face.



INSTALLATION MANUAL

STEP 5

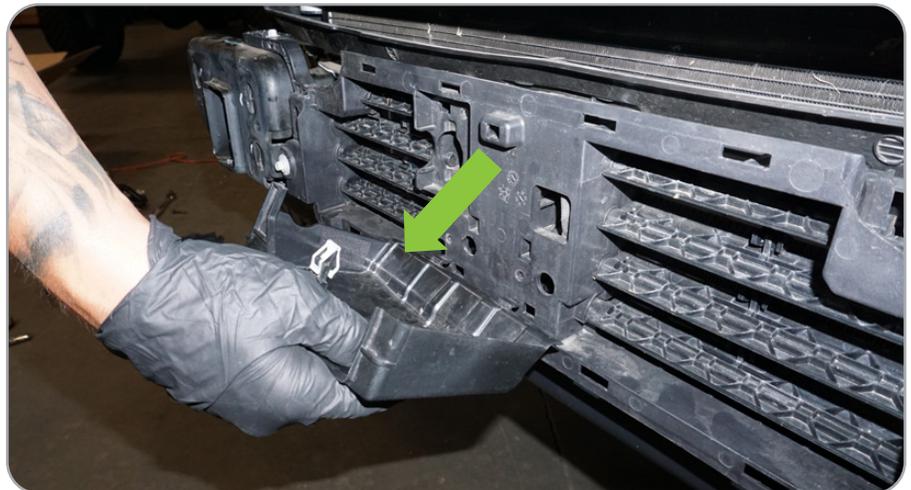
Remove the rubber/plastic shroud under the grill by pulling the tabs on the shroud using a trim tool



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

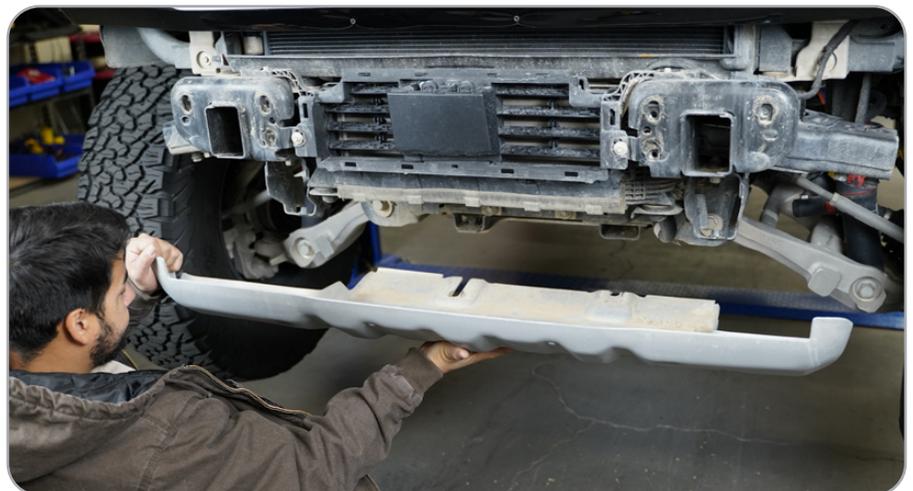
Reach behind each bumper mount on the frame rail and remove the factory nut plate by removing the (2) butterfly nuts in the back.



INSTALLATION MANUAL

STEP 8

Using a 16mm socket, remove the (4) skid plate bolts and factory skid plate.



INSTALLATION MANUAL

STEP 9

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



STEP 10

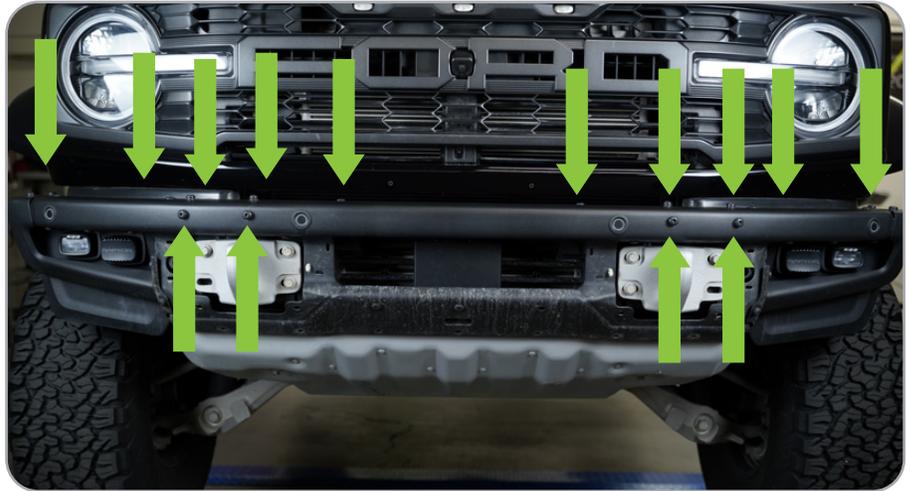
Remove the fog light rear housing. Using a trim tool, remove the (4) push pins on each side.



INSTALLATION MANUAL

STEP 11

Using a T40 Torx Bit (or Torx Plus 40), remove the bumper bolts.



INSTALLATION MANUAL

STEP 12

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



STEP 13

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 14

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

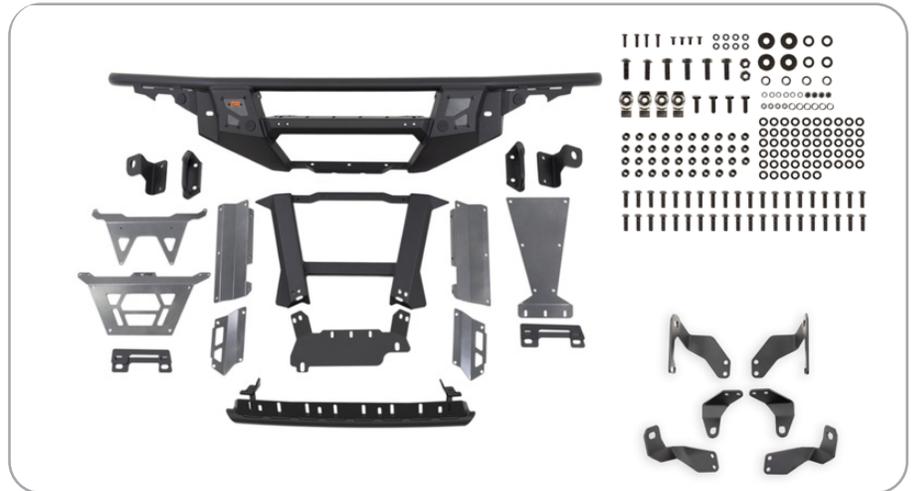
INSTALLATION OF DV8 BUMPER

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

(2) M12x30 Allen Head Bolts
(2) M12 Nylon Lock Nuts
(4) M12 Washers
(4) M10x30 Hex Bolts
(4) M10 Spring Washer
(4) M10 Clip Nuts
(40) M8x25 Allen Head Bolts

(40) M8 Nylon Lock Nuts
(6) M8 Spring Washers
(80) M8 Washers
(5) M8x25 Hex Bolts
(4) M6x20 Allen Head Bolts
(4) M6x14 Hex Bolts
(4) M6 Nylon Lock Nut
(4) M6 Cap Nuts
(12) M6 Washers
(4) M6 Spring Washers



STEP 2

Place the center section and lower frame of the bumper face down on a soft surface to prevent any damage to the coating.



STEP 3

Using the provided M8x25mm allen head bolts, and loosely secure the two pieces together.



INSTALLATION MANUAL

STEP 4

With the two center portions attached, secure them together using a 13mm wrench and a 5mm allen head.

Ensure to align the front edge of the center sections.



INSTALLATION MANUAL

STEP 5

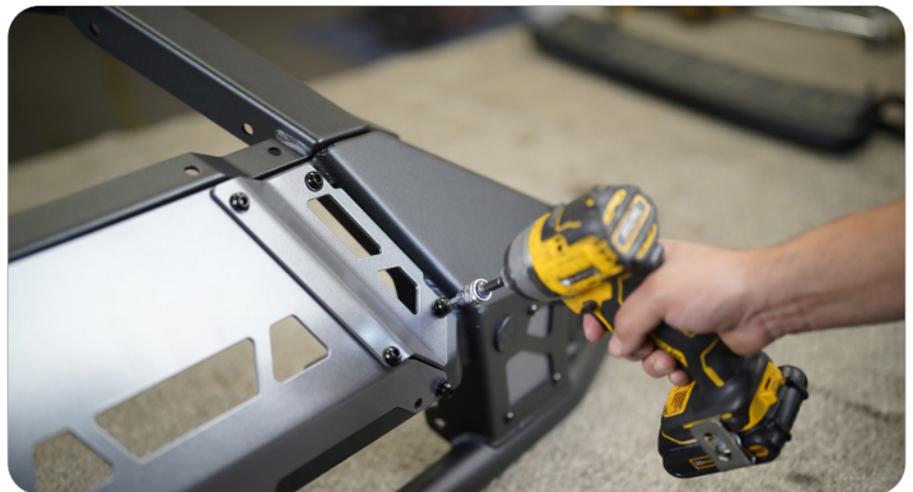
Place top middle skid plate (gray) section on the bumper. Secure loosely in place with (2) M8 bolts and flat washers to the two holes on each side. These holes have a welded nut on the backside and do not require nuts (green arrow)

Place the side pieces as shown over the center portion. Secure using M8 bolts. On the bolts with no welded nuts, secure using a flat washer and a M8 nylon lock nut on the backside.



STEP 6

Using a 5mm allen head and a 13mm socket, secure the plates to the bumper. Ensure they are aligned and straight.



INSTALLATION MANUAL

STEP 7

Place the lower center skid plate on the bumper without any bolts.



STEP 8

Place the two lower side skirts over the center portion. Align the holes and loosely secure using the provided M8x25mm bolts. Do not tighten with tools just yet.



INSTALLATION MANUAL

STEP 9

Install the lower skid mount to the center skid as shown using M8 provided hardware. Ensure the skid plate sits over top of the lower mount.



STEP 10

Once again, using the provided (7 sets) M8 hardware, attach the lower skid mount to the bumper and skid plates.

Secure all M8 bolts that have been mounted to the bumper at this point.



INSTALLATION MANUAL

STEP 11

Flip the bumper over to access the inside of the bumper. Using the provided M8 hex head bolts, secure the lower outside skid plates to the bumper as shown. Secure using two 13mm wrenches. (Or 13mm wrench and a 13mm socket wrench)



STEP 12

Once all M8 skid plate bolts are secure, slip in the (4) M10 nut clips to the bumper as shown. The (4) inner mounting holes will use the nut clips and the two outer bolts will be through bolted (green arrow)



INSTALLATION MANUAL

STEP 13

If running the provided bull bar, begin by removing the top inner M6 bolt holding on the gray accent plate using a 4mm allen and 10mm wrench.



STEP 14

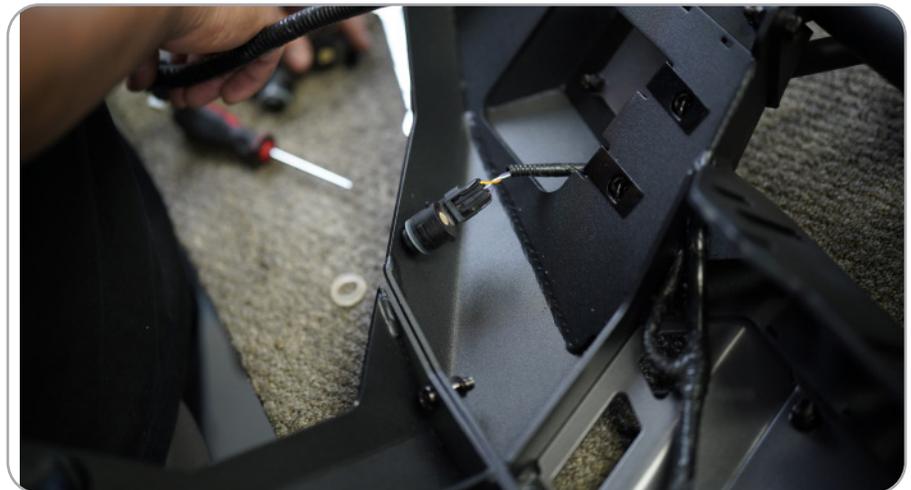
With bolt removed, align push bar to bumper and re-secure using the M6 bolt and two remaining M8x25mm bolts as shown.



INSTALLATION MANUAL

STEP 15

To install your factory sensors (if equipped), begin by routing your harness through the bumper so that the sensors align to the sensor holes.



STEP 16

Secure the harness to the bumper using zip ties to the built in zip tie tabs.



INSTALLATION MANUAL

STEP 17

The sensor bezels on the capable bumper are slightly different and may require trimming.

Reference the bezel for correct placement if you are unsure of where to install them. These are keyed for installation.

Determine if the sensor bezels need to be trimmed for installation on the DV8 bumper by placing the bezels up to the corresponding mounting hole for a fitment check. We had to trim these tabs down slightly to fit the bumper.

Trim conservatively and double check fitment after each cut to ensure you do not cut excessive material.

Example: "FOR" means "Front Outer Right"

If not equipped with sensors, use provided sensor plugs.

Tip: Apply silicone if necessary to the lip of the bezel during installation if necessary. We do offer replacement bezels (MCFSNSR-01)

STEP 18

Press the sensors into their bezels while holding the bezel from the front until they are secure. They should "clip" into place.

If you do not have sensors, skip to the next step.



INSTALLATION MANUAL

STEP 19

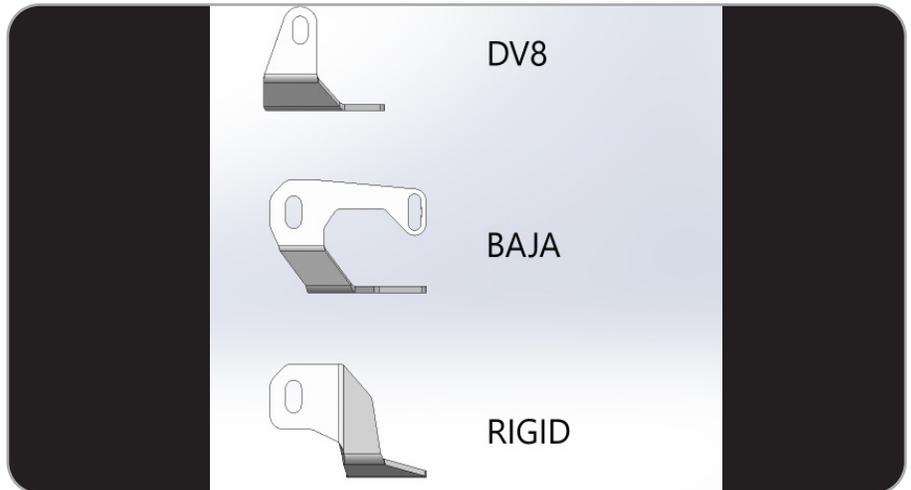
With the sensors in place and the harness secured, using hardware provided with the lights, mount (2) 3" lights on each wing (optional).



STEP 20

There are 3 sets of light bar brackets provided for the 20" dual row mount.

For this install, we used the DV8 20" Dual Row Elite bar. This will take the smallest brackets. Using the hardware provided with the light, attach the brackets to the light bar.



INSTALLATION MANUAL

STEP 21

Install the bar onto the bumper using the provided M6 hex head bolts and (2) 10mm wrenches.



STEP 22

Moving to the vehicle, remove the factory skid plate/recovery mounts. The look will vary based on the type of factory front bumper equipped on the Bronco. Using a 15mm socket, remove and set off to the side.



STEP 23

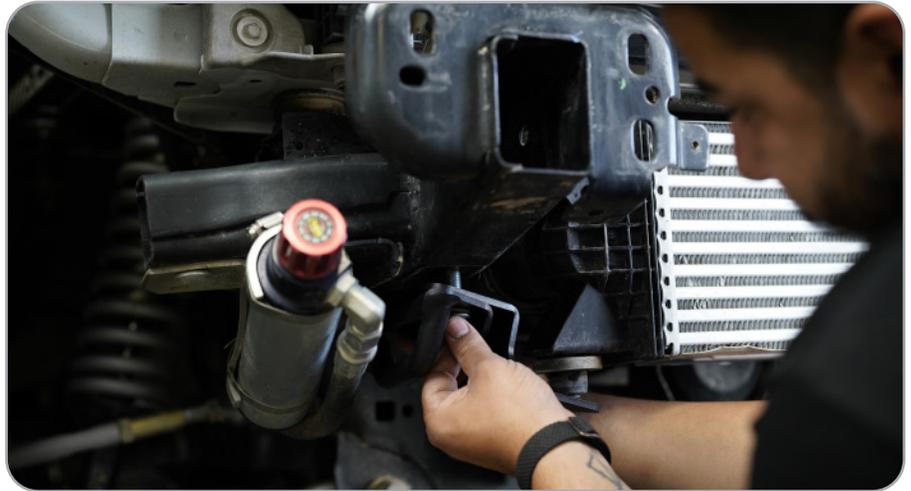
Remove the mount along with the intercooler support bracket. Install the new DV8 recovery mount along with the new intercooler support mount.



INSTALLATION MANUAL

STEP 24

Using the factory hardware and 15mm socket, secure the recovery points and the support brackets ensuring the intercooler is seated fully on the bracket.



STEP 25

With assistance, lift the bumper into place. Its easiest to do the (2) M12 allen head through bolts first to hold up the bumper.





STEP 26

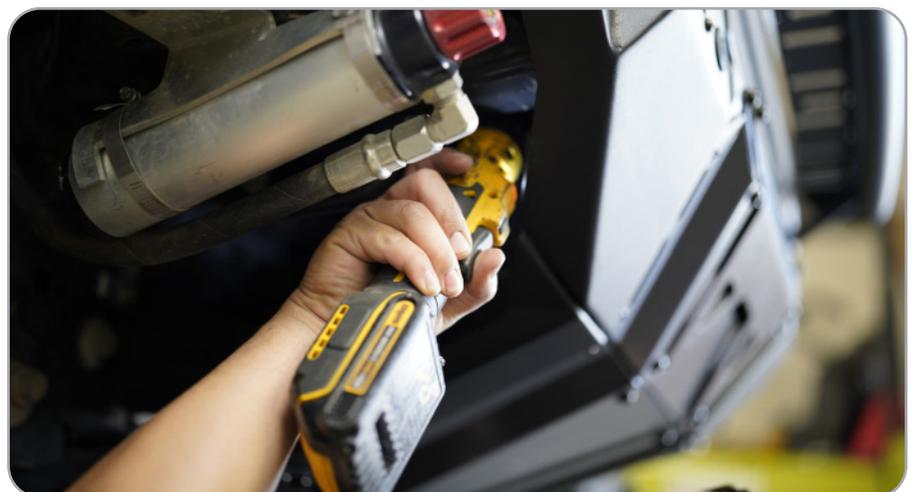
Prior to installing the upper two mounting bolts, there are included shim plates. These can be used up to 2 per side to help adjust any angle the wings may have.

If the DV8 logo on the wings is pointed slightly downward towards the rear, use the shims to correct this.



STEP 27

Using a 16mm, and the provided M10 hex head bolts, secure the bumper to the frame mounts. Do not tighten fully to allow for up and down adjustment.



INSTALLATION MANUAL

STEP 28

Once the bumper is adjusted up and down to a good height, using the factory hardware and a 16mm socket, secure the lower skid plate mount to the OE skid plate mounting locations.



STEP 29

Tighten up the M12 allen head through bolt on the front of the bumper from Step 25 using a 19mm socket and a 8mm allen head.



STEP 30

Plug in the wire harness on the driver side and double check all hardware is secure.

Congratulations, you are done with the install of the DV8 Bronco Raptor Tube Front Bumper.

