

STEEL FRONT WINCH BUMPER

2019+ DODGE RAM 1500

FBDR1-05



TOOLS REQUIRED

- 8mm, 10mm, 13mm, 18mm, 21mm Sockets
- Ratchet
- T40 Torx Bit
- Trim Clip Tool
- Zipties (Optional)
- Rubber Mallet

SKILL LEVEL

- Novice/Intermediate
- 2 persons

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

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

(2) M14x35 Hex	(2) M8 Flat Washer
(18) M12x35	(2) M8 Split Washer
(4) M12x25	(2) M8 Nuts
(44) M12 Flat Washers	(4) M6x10 Allen
(22) M12 Split Washers	(4) M6 Nut
(18) M12 Nuts	
(2) M8x25	

STEP 1 | Unplug the fog light connector by pressing the release tab and pulling. Use a trim clip tool if necessary.

This is located behind the bumper, in front of the driverside tire.

If you do not have an air dam, skip to step 4.



STEP 2 | Use an 8mm socket to remove the bolts securing the inner fender to the vehicle located in front of the tires on both sides of the vehicle.



INSTALLATION MANUAL

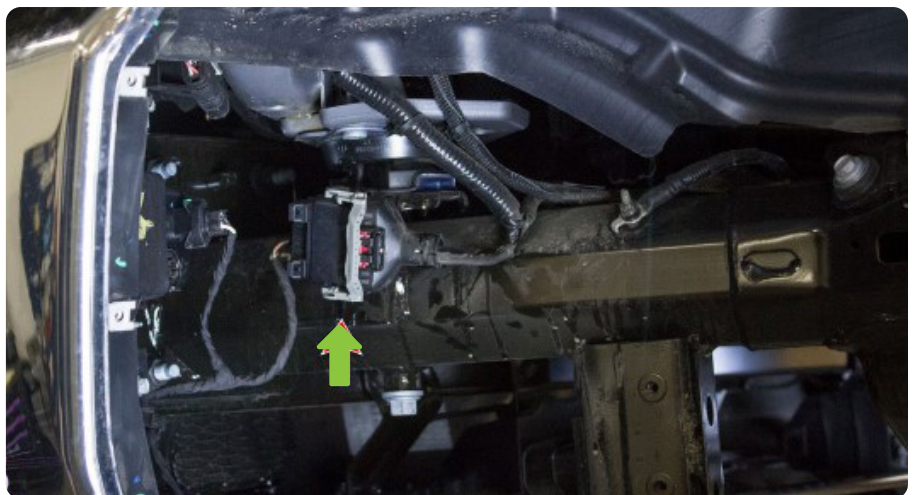
STEP 3 | Use a 13mm socket to remove the (4) bolts securing the air dam and set it off to the side.

These are located in front and above the A-arm, directly behind the air dam.

First picture shows where the air dam is mounted with the bumper off the vehicle for reference.



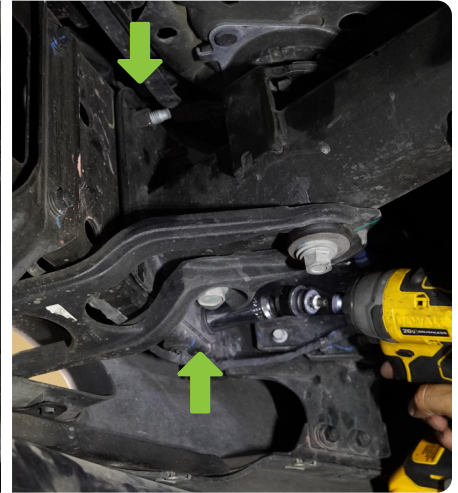
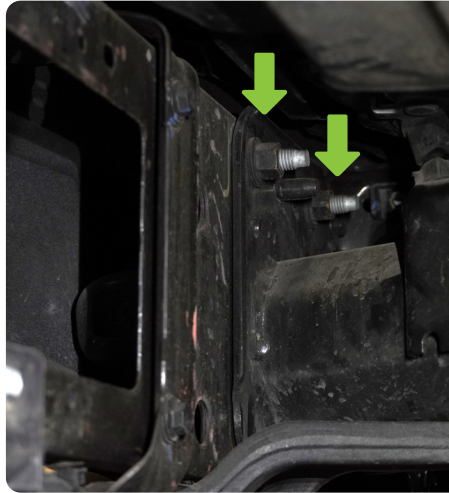
STEP 4 | Disconnect the main bumper harness connector located behind the inner fender on the driver side of the vehicle. Pull the red locking clip back and rotate the gray lock to release, then pull.



INSTALLATION MANUAL

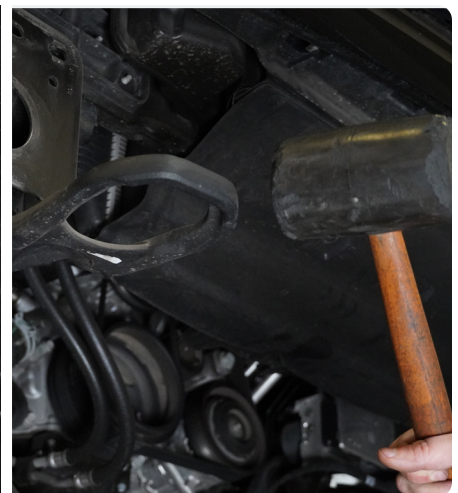
STEP 5 | Use an 18mm socket to remove the (6) nuts securing the bumper to vehicle.

Note: Bumper will become loose when removing these bolts and may fall. Assistance is recommended to prevent injury or damage to the product and vehicle.



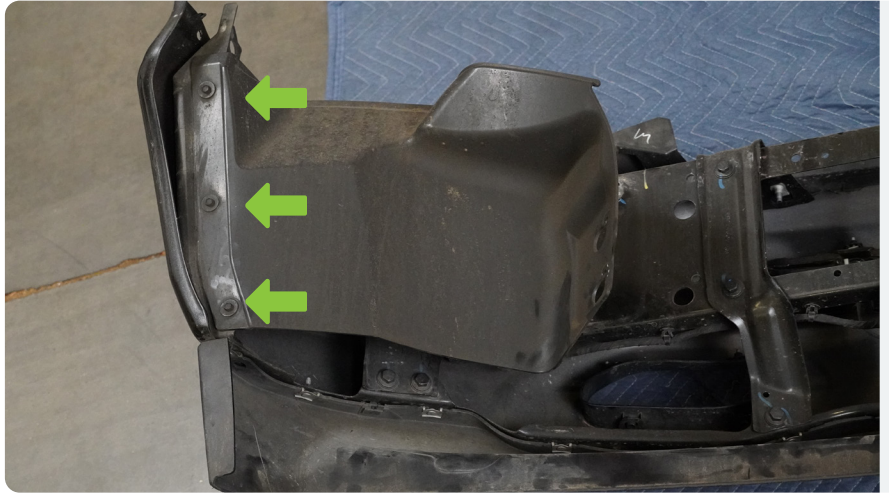
STEP 6 | Use an 18mm and 21mm socket to remove the (4) bolts securing the tow hooks and set them off the side.

Note: It may be necessary to use a rubber mallet to break the hook loose. Be careful when removing this hardware, as the hook is very heavy and may fall when removing hardware.



INSTALLATION MANUAL

STEP 7 | Use an 8mm socket to remove the bolts securing the inner fenders to the bumper and set them off to the side.



STEP 8 | Unclip connectors for the fog lights by pressing the release tabs and pulling.

These are located on the backside of both fog lights.

Use a trim clip tool if necessary.



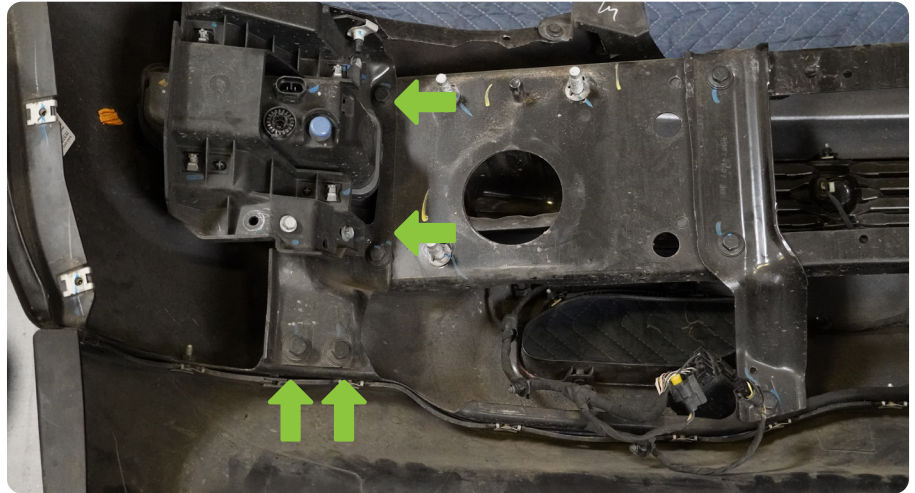
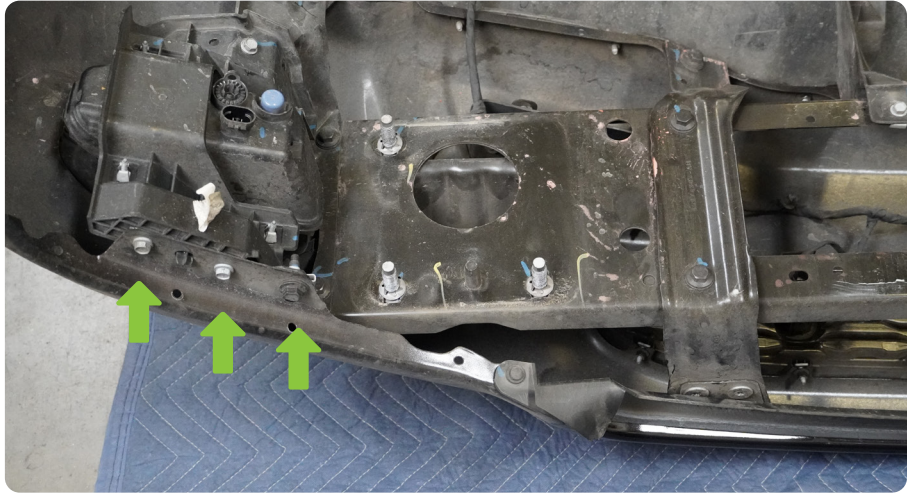
STEP 9 | Use a trim clip tool to remove the clips securing the wiring harness to the bumper brace.

Note: Wiring harness will not be removed until after the bumper brace is removed. (Step 9)



INSTALLATION MANUAL

STEP 10 | Use a 10mm and 13mm sockets with a T40 torx bit to remove the bolts securing the bumper brace to the bumper.



INSTALLATION MANUAL

STEP 11 | Remove the metal bumper from the trim piece while being careful to avoid pulling on any wiring.

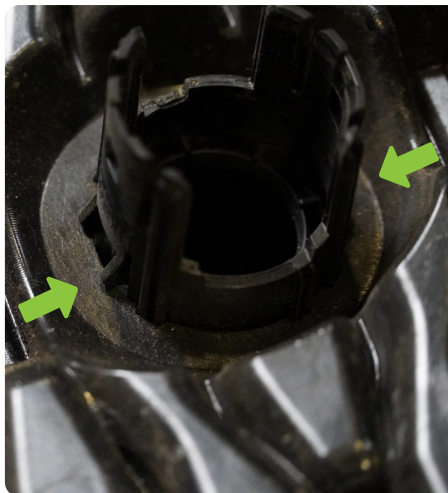


STEP 12 | Remove the sensors from their bezels by gently spreading the tabs that are securing it, and remove.



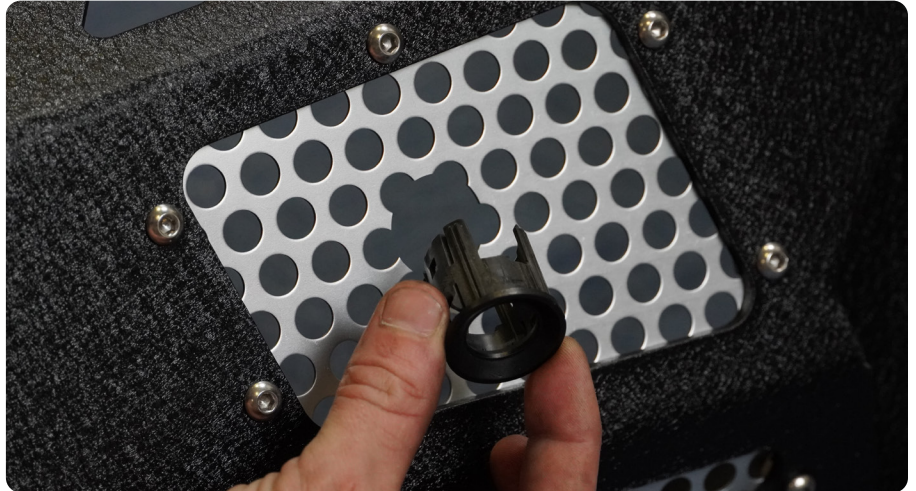
STEP 13 | Remove the sensor bezels from the bumper by pressing the small triangular tabs keeping the bezels in place, while gently pushing "out" towards the face of the bumper.

Note: Take notice the location/position of the sensor bezels during removal, for easier installation..



INSTALLATION MANUAL

STEP 14 | Install the sensor bezels on the DV8 bumper and wings in the orientation/position they were removed.



STEP 15 | Install the (2) center sensors into their bezels by gently pressing them, until they “clip” into place and are secure.

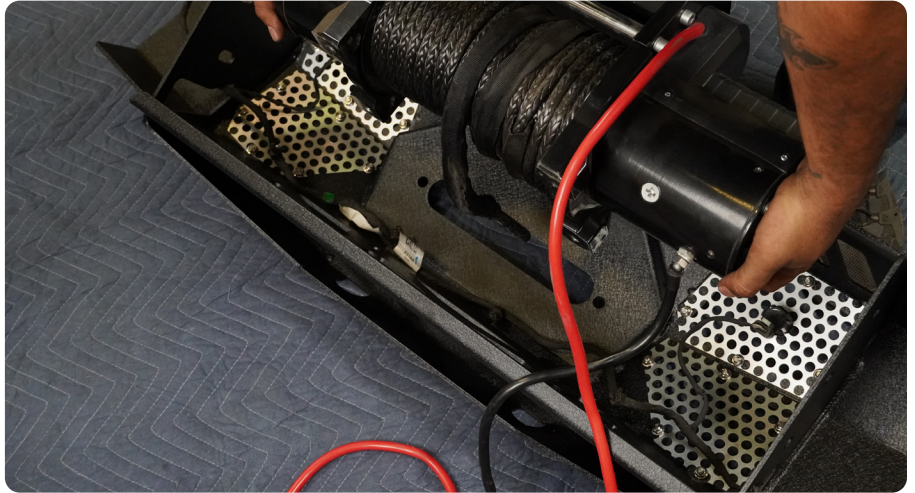


STEP 16 | Slide the outer sensors through the cutouts at the lower section of the bumper, to prepare for installation of the bumper on the vehicle.



INSTALLATION MANUAL

STEP 17 | If you are installing a winch, do so at this time using the hardware provided with the winch.

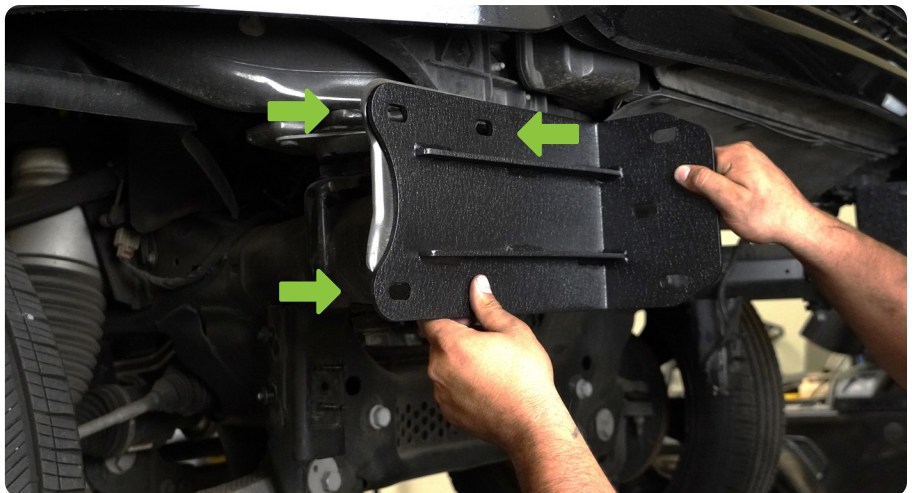


STEP 18 | If you are installing a fairlead, do so at this time using the hardware provided with the fairlead.



STEP 19 | Loosely install the new frame brackets using the provided M12x35 hardware and an 18mm socket and wrench.

Note: These will be secured after the bumper is mounted.



INSTALLATION MANUAL

STEP 20 | Lift the bumper to the frame brackets and loosely install using provided M12x35 hardware and 18mm socket and wrench.

Once the bumper is loosely secured, finish securing the brackets from step 19.

Note: Assistance is recommended to prevent injury or damage to the product or vehicle.



STEP 21 | If you are installing pod lights, do so at this time using the hardware provided with the lights. Adjust as desired and secure.

Note: We are using our 3" LED Cube Light for this install.

Part number: B3CE16W4W



STEP 22 | Install wings by sliding them into place from the side, onto the bumper and loosely secure using the provided M12x35 hardware and 18mm socket and wrench.



INSTALLATION MANUAL

STEP 23 | Install the wing support bracket using the provided M12x35 and an 18mm socket.

Note: Support brackets are specific to each side of the vehicle. Shown here is the passenger side bracket.

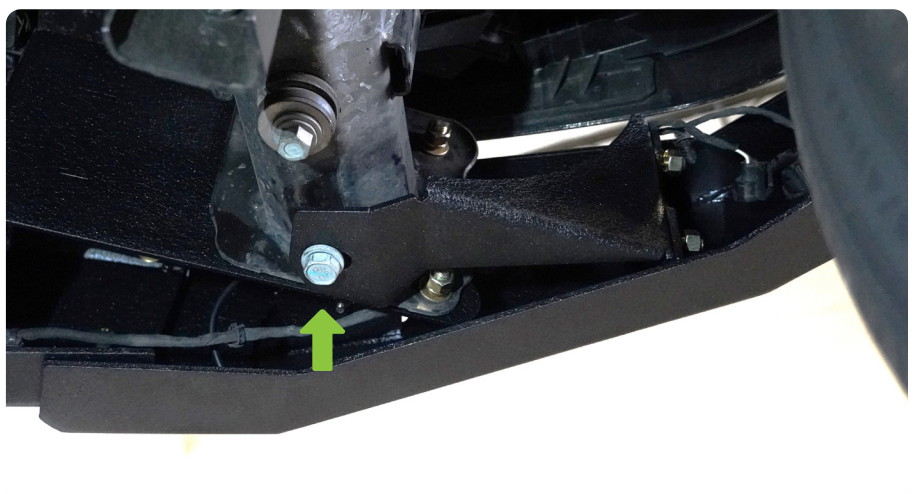
Factory hardware can be re-used to secure support bracket to the frame rail.



STEP 24 | Lift the bumper up to secure the support bracket to the bottom of the frame rail using a 21mm socket.

Check the fitment/gap between the top of the bumper and grille.

Adjust up/down if necessary and then finish securing the hardware from step 20.



INSTALLATION MANUAL

STEP 25 | Double check fitment and alignment of the wings against the bumper/body.

If everything fits well, finish securing the hardware from steps 22, 23, and 24 in that order.

If adjustment is needed, make necessary adjustments before securing hardware. It may be necessary to loosen up the hardware securing the wings to the bumper, and wing support brackets more before making adjustments.

You may also try removing the wing support bracket and installing it after the wings are aligned and secured. Some trial and error may be necessary for perfection.

STEP 26 | Reconnect the main bumper harness by pressing it into place, then rotating the gray lock to secure it.

Then push the red locking clip back into place.

Install the remaining sensors into their bezels by pressing them until they “clip” into place.

STEP 27 | Stand back away from the vehicle and note how it sits on the vehicle. Check one more time to make sure you are satisfied with the fitment.



INSTALLATION MANUAL

STEP 28 | Zip tie the remaining fog light connectors up and out of the way after wiring lights to factory harness.



STEP 29 | Double check all hardware is secure.

Congrats! You are finished with the install of the 2019+ Dodge Ram 1500 Steel Front Winch Bumper.

