

FBGX-02

2003-2009 + LEXUS GX470
FRONT BUMPER



TOOLS REQUIRED

- 10,13,14,21,22mm
- Push Pin Removal Tool
- Grinder or Similar Cutting Tool
- #5 Allen head

SKILL LEVEL

- 3.5 out of 5
 - 2 persons
- Moderate Skill Required.

TIME REQUIRED

- 3 Hours
- Time to install this should only take approximately 3 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.

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

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.

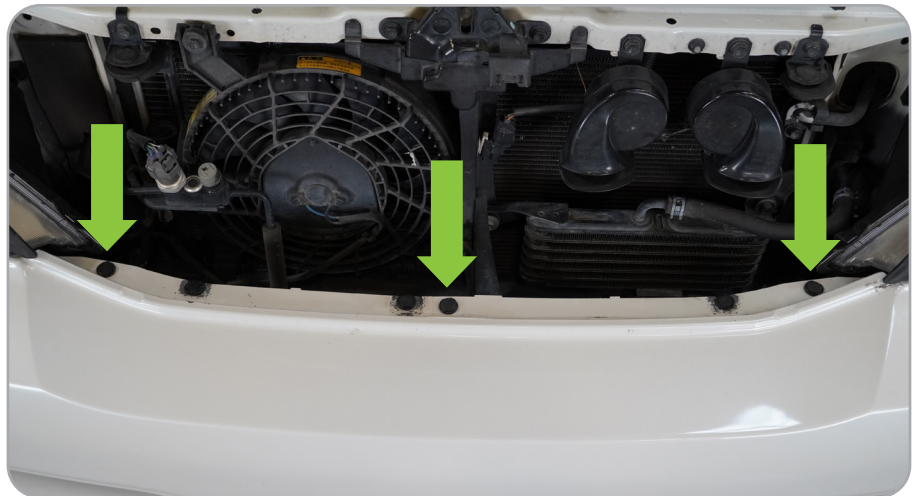
Hardware Included:

- | | |
|-----------------------|----------------------|
| (6) M10x30mm Bolts | (24) M8 Flat Washers |
| (6) M10 Flat Washers | (4) M6x20mm Bolts |
| (12) M8x35 Bolts | (4) M6 Locking Nuts |
| (12) M8 Nuts | (4) M6 Flat Washers |
| (12) M8 Split Washers | |



STEP 2

Begin by removing the front bumper of the GX. Open the hood to access the front push pin clips. Using a push pin removal tool, remove all pins holding the top of the bumper.



STEP 3

Under each front wheel well, remove the two 10mm bolts using a socket.



INSTALLATION MANUAL

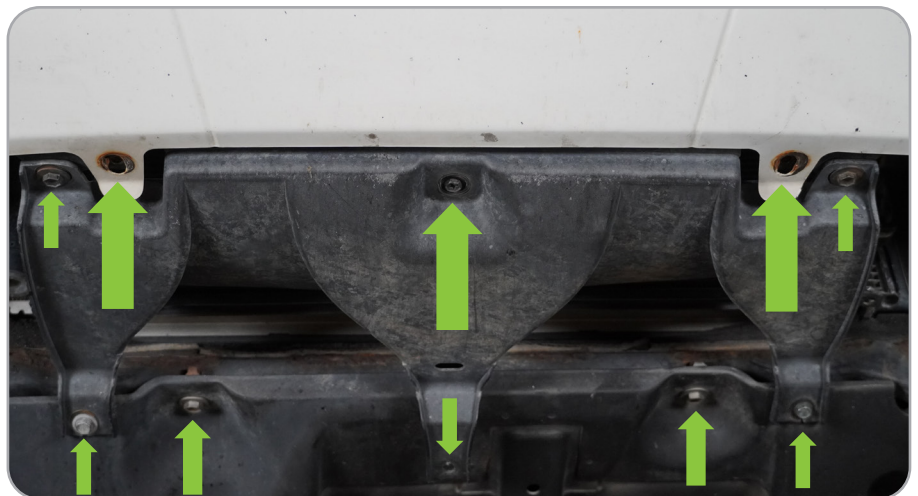
STEP 4

On the bottom corner of the bumper, remove the three 10mm bolts on each side.



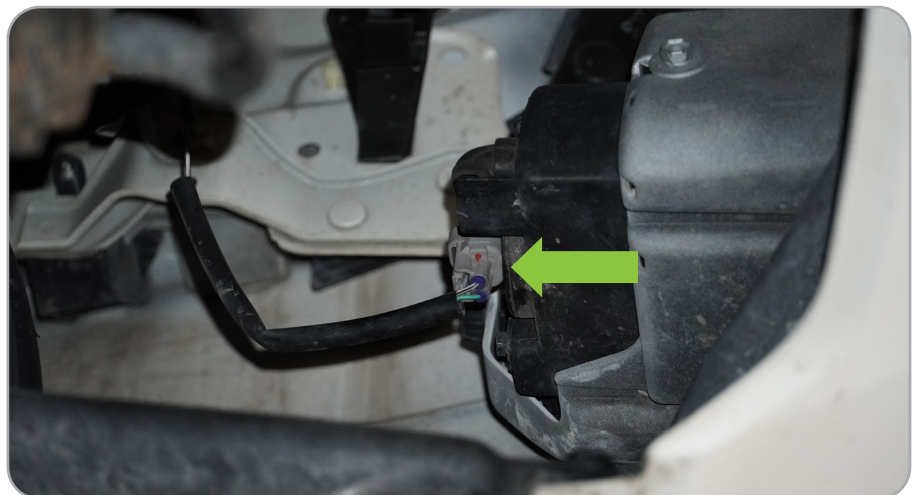
STEP 5

Remove the air damn between the bumper and skid plate and the two center bolts on the bumper using a 10mm.



STEP 6

Unplug the fog lights from the factory wire harness.



INSTALLATION MANUAL

STEP 7

To release the bumper from the vehicle, pull the side of the bumper away from the fender firmly.



INSTALLATION MANUAL

STEP 8

Once released, move down to where the bumper, headlight, and fender connect and pull bumper forward to release front clip.



INSTALLATION MANUAL

STEP 9

Remove the foam piece from the crash bay by simply pulling it off.

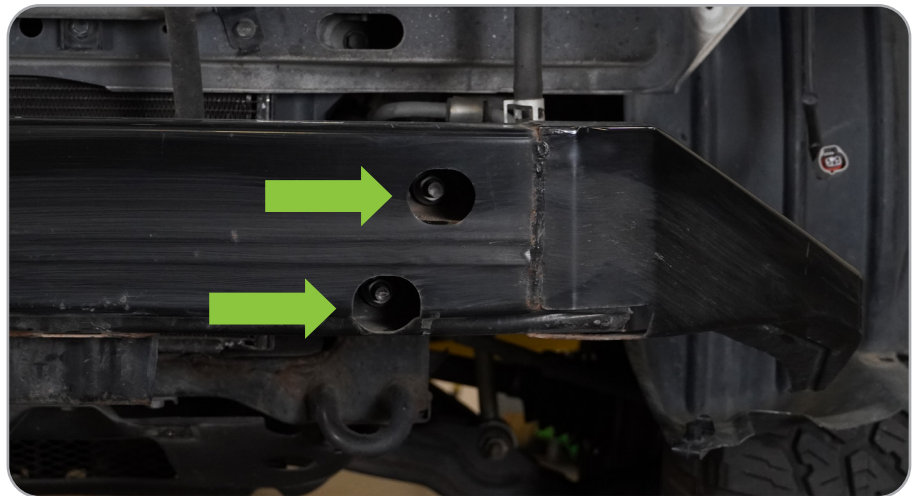
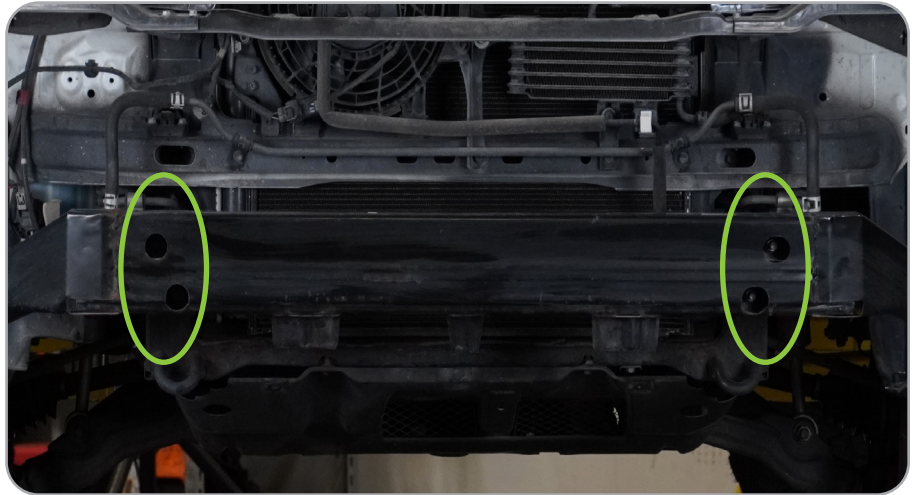


INSTALLATION MANUAL

STEP 10

Using a 14mm socket, loosen the four bolts on the front of the crash bar.

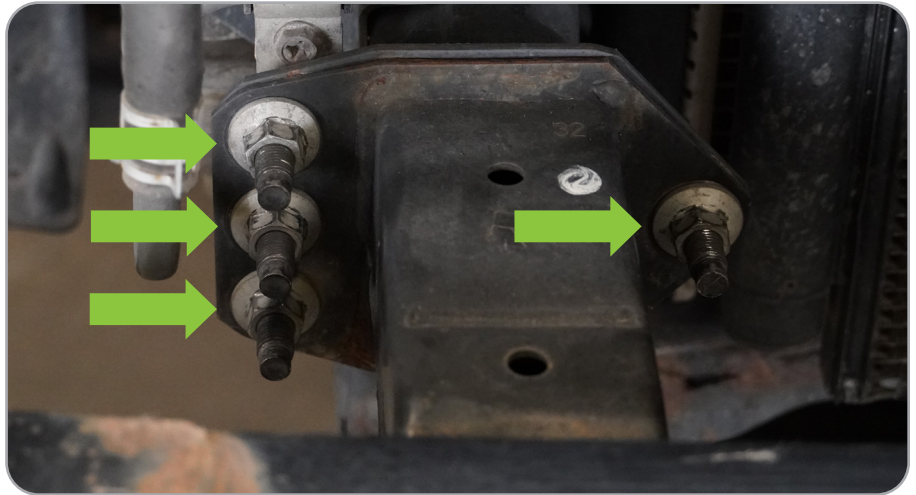
Note: This must be done before removing the crash bar to prevent damaged to the crash bar studs.



INSTALLATION MANUAL

STEP 11

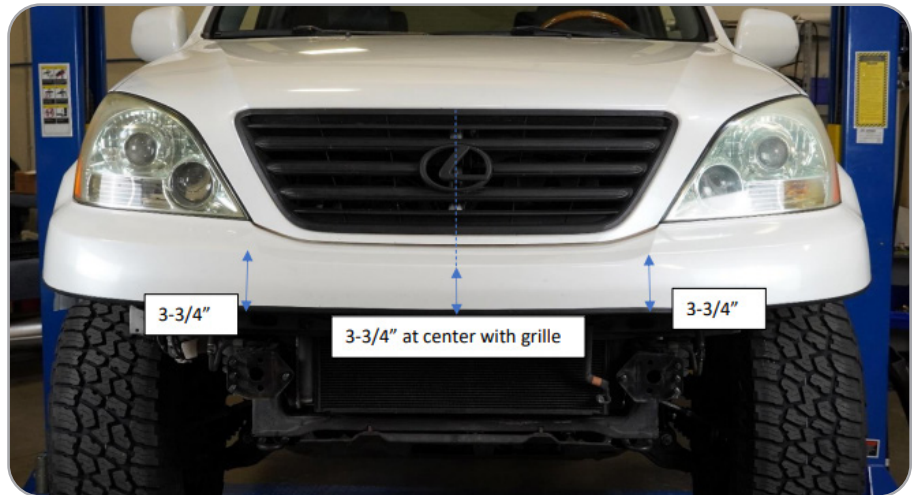
Remove the four nuts on each side of the crash bar using your 14mm socket. Remove the crash bar and set off to the side since this will not be reused.



INSTALLATION MANUAL

STEP 12

You can either reinstall the front bumper or you can leave it off during the cutting phase. Using a cutoff wheel or another similar tool to cut the bumper. Note: We recommend cutting leaving 1/2"-3/4" more bumper than our measurements and trimming as needed since every vehicle is slightly different.



INSTALLATION MANUAL

STEP 13

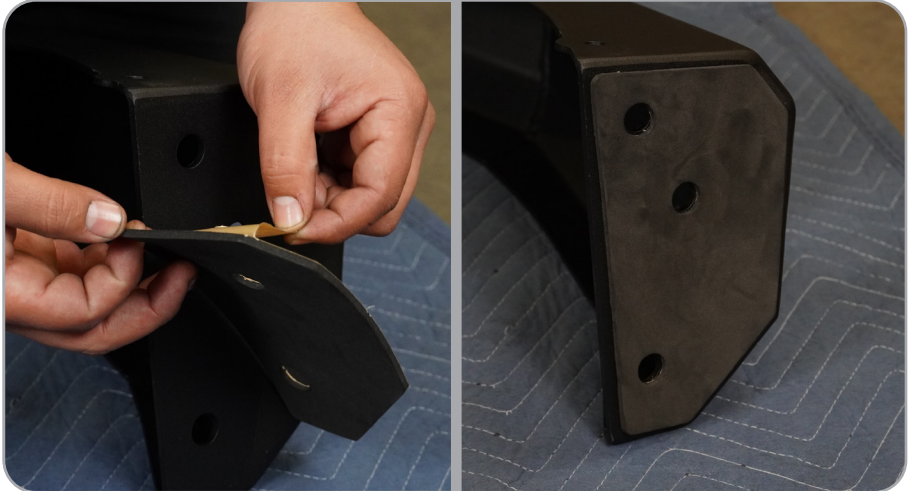
With the bumper trimmed, ensure the edge is clean and without burrs to prevent damage to the bumper.

Note: We added a ¼" edge trimming available at most local auto parts stores.



STEP 14

Begin with assembly of the DV8 bumper. Install the provided foam onto the wings.



INSTALLATION MANUAL

STEP 15

Using the M14 hardware, loosely attached the wings to the center section of the bumper. Make sure the hole on the very top face of the wing, goes over the corresponding hole on the center section. Repeat for the other side.



INSTALLATION MANUAL

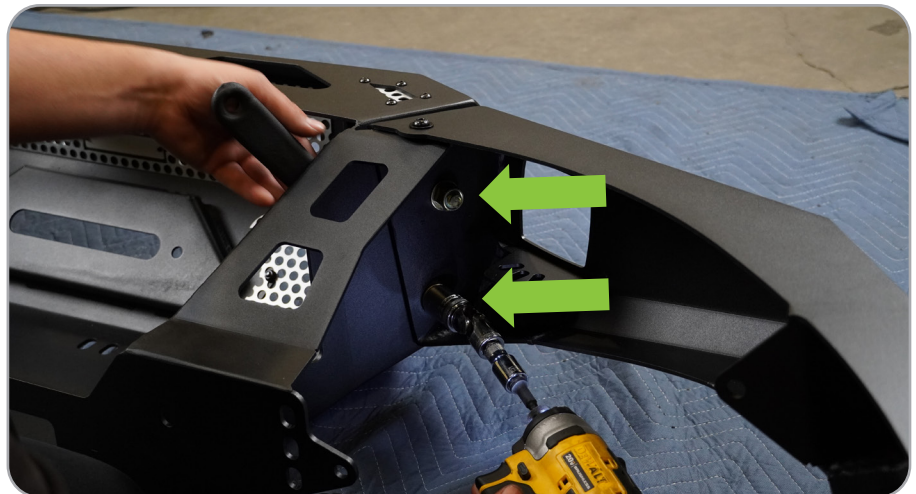
STEP 16

Use the M8 allen head bolts and loosely attached the top of the wing and center section.



STEP 17

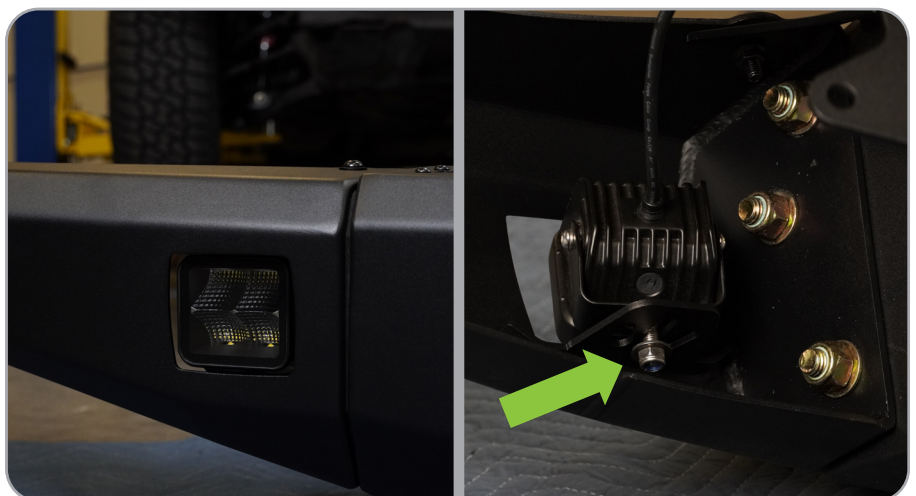
Align the wings with the center section of the bumper and secure the wings using a 22mm socket and 21mm wrench.



STEP 18

Install lights into the wings using the hardware provided with the lights. (Lights not included)

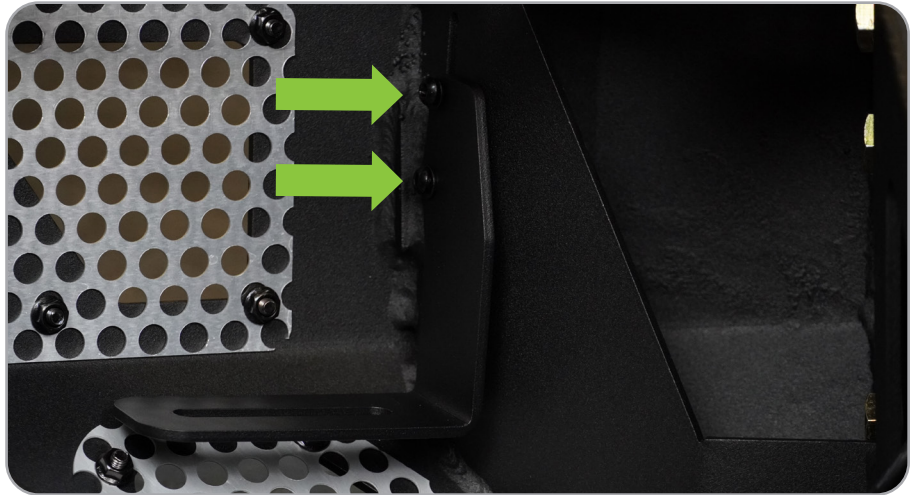
Note: We are using two 3" DV8elite pod lights.



INSTALLATION MANUAL

STEP 19

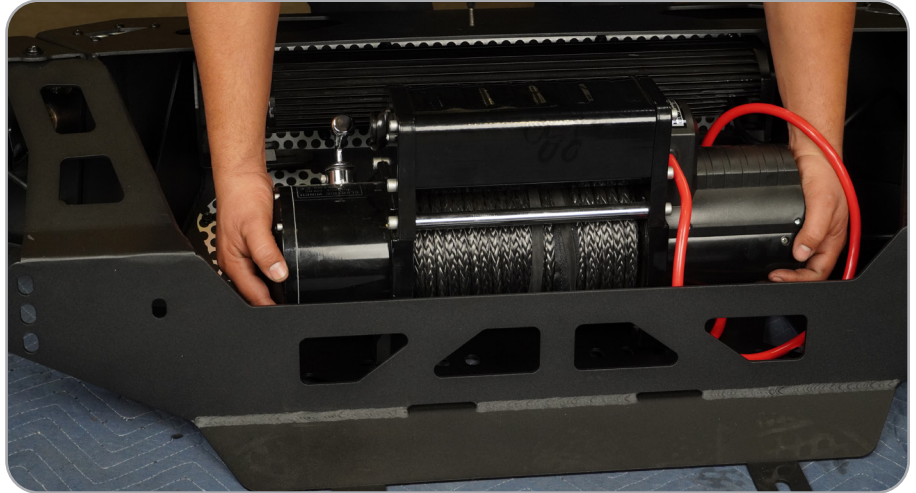
If running a light bar behind the screen, use the two provided “L” brackets and hardware and secure to the bumper. Mount light with brackets onto “L” brackets and secure.



INSTALLATION MANUAL

STEP 20

If running a winch, place winch into the bumper and secure utilizing hardware provided with the winch.



STEP 21

Using assistance, lift bumper and loosely install onto the factory crash bar mounts. Thread the factory nuts on loosely to allow for adjustment.



INSTALLATION MANUAL

STEP 22

If you need to gain more adjustment upwards, bend the tabs on the skid plate down slightly using a wrench and a rag to prevent damage to the coating.



STEP 23

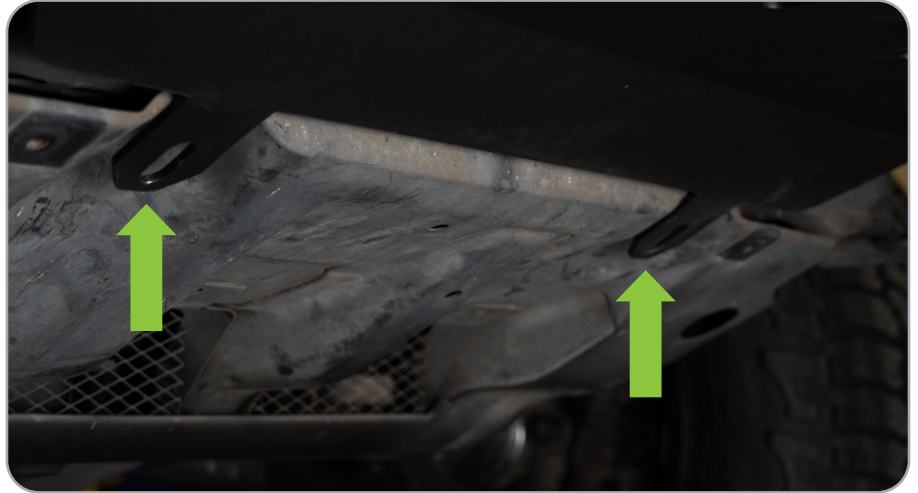
Once bumper is adjusted, secure factory bumper nuts to 60ft lbs.



INSTALLATION MANUAL

STEP 24

Using factory hardware, install the two 10mm bolts on the bottom of the skid plates.



INSTALLATION MANUAL

STEP 25

Using the remaining M8 hardware, install the wing support brackets between the center section and each wing of the bumper.



STEP 26

Double check that all hardware is secure and wire the winch and lights to your preference.

