

## MTO FRONT BUMPER

2016-2023+ TOYOTA TACOMA (3RD GEN)

FBTT1-07



### TOOLS REQUIRED

- 4mm Allen Tool
- 10mm wrench
- 10,14,18,19,21&22mm Sockets
- Safety Glasses
- Preferred Cutting Tool
- Push Pin Tool

### SKILL LEVEL

- Novice/Intermediate
  - 2 People
- Little skill level required, you can easily install it by yourself however, additional help will be useful.

### TIME REQUIRED

- 4 Hours
- Time to install this should take approximately 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



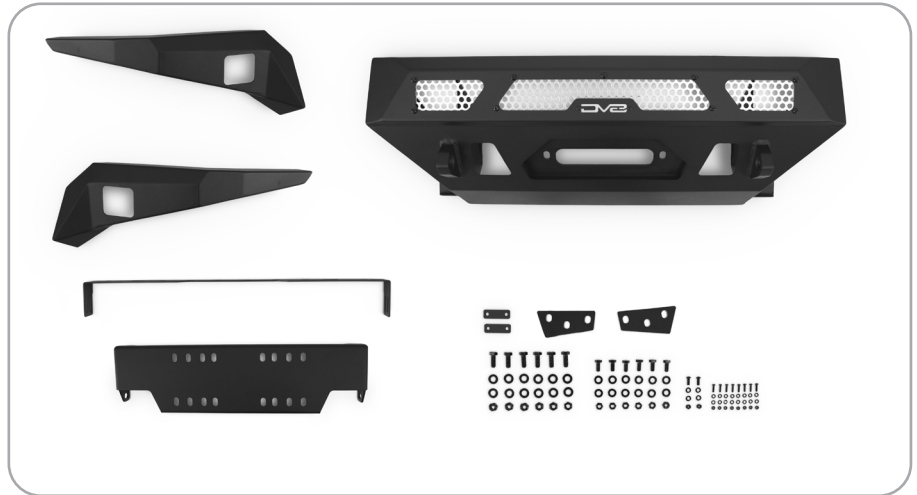
# INSTALLATION MANUAL

## STEP 1

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) M14x35 Bolts      | (2) M8x20 Allen Bolts |
| (6) M14 Lock Nuts     | (2) M8 Lock Nuts      |
| (12) M14 Flat Washers | (4) M8 Flat Washer    |
| (6) M12x25 Bolts      | (8) M6x20 Allen Bolts |
| (12) M12 Flat Washers | (8) M6 Lock Nuts      |
| (6) M12 Lock Nuts     | (16) M6 Flat Washers  |



## STEP 2

With the hood open, using a 10mm socket, remove the two bolts securing grille to the vehicle.



# INSTALLATION MANUAL

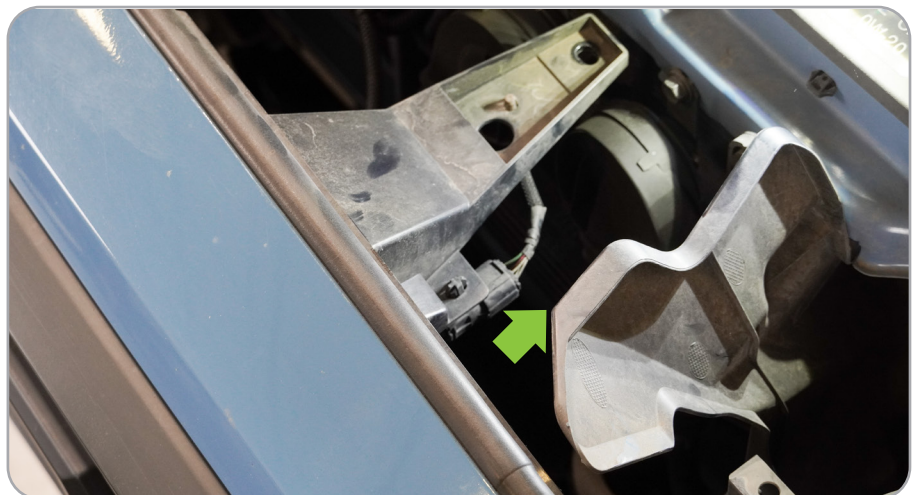
## STEP 3

Use the push pin removal tool to remove the two plastic push pins located on both sides of the grille.



## STEP 4

Use the push pin removal tool to unplug the air sensor harness on the backside of the grille.





# INSTALLATION MANUAL

## STEP 5

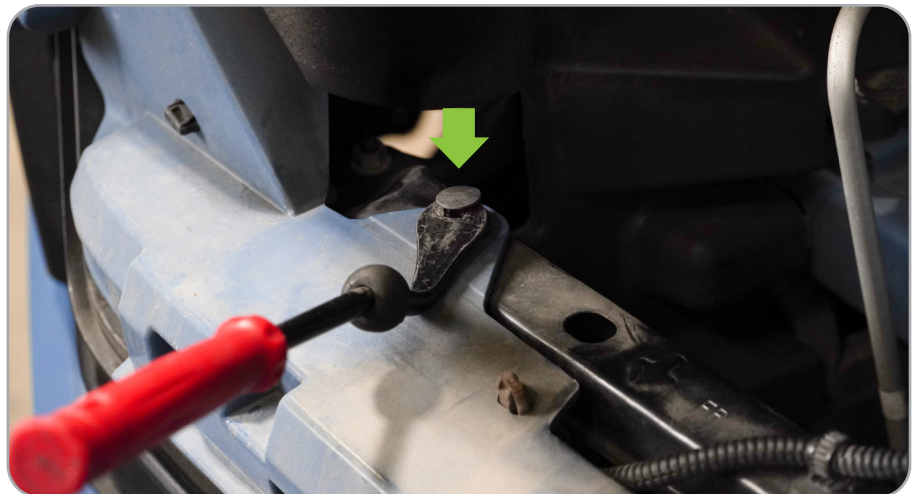
Remove the grille, by pulling straight out towards the front of the vehicle.

*NOTE: Avoid pulling at an angle to prevent damage to grille clips.*



## STEP 6

Using push pin removal tool, remove the four push pins securing the bumper to the vehicle.

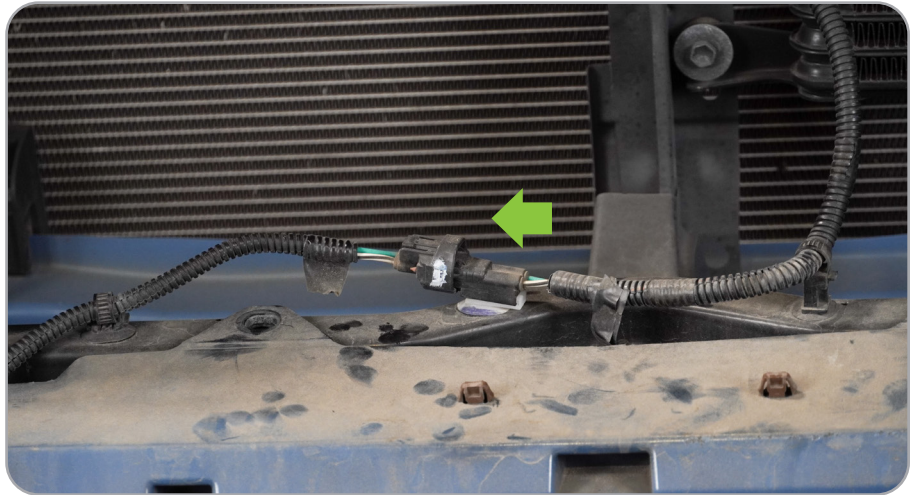




# INSTALLATION MANUAL

## STEP 7

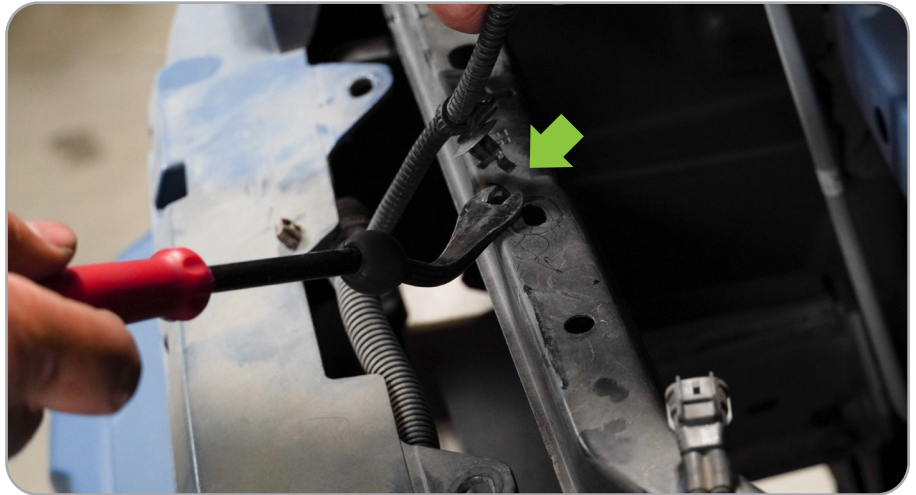
Unclip the fog light harness located on top of the bumper in front of radiator.



# INSTALLATION MANUAL

## STEP 8

Using the push pin removal tool, remove the push pin holding the fog light harness from the bumper support cross-member.





# INSTALLATION MANUAL

## STEP 9

In each fender, remove the first two bolts closest to the front of the vehicle using an 10mm. There are two clips securing the front section of the fender to the bumper. To remove these clips, reach inside the wheel well and squeeze the pushdown tabs and push clips out.

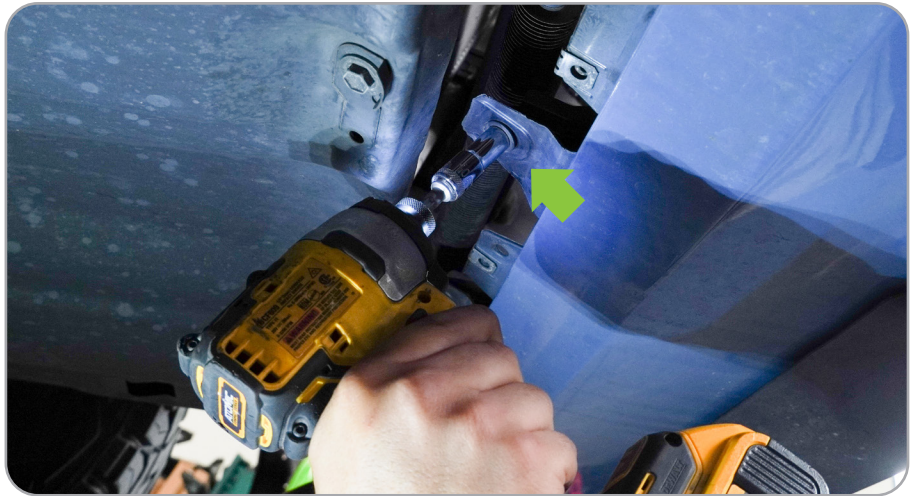
*NOTE: Fender should only be partially removed.*



# INSTALLATION MANUAL

## STEP 10

Using a 10mm remove the nine factory bolts on the bottom of the bumper.





# INSTALLATION MANUAL

## STEP 11

Remove bumper pulling it forward from the vehicle.

*NOTE: Pull under each headlight straight out to release hidden clips holding the bumper to the vehicle.*



## STEP 12

Disconnect the wheel well orange clips crash bar support.



# INSTALLATION MANUAL

## STEP 13

Remove the black plastic insert from the aluminum crash bar by squeezing the backside of the clips and pulling away from the vehicle.



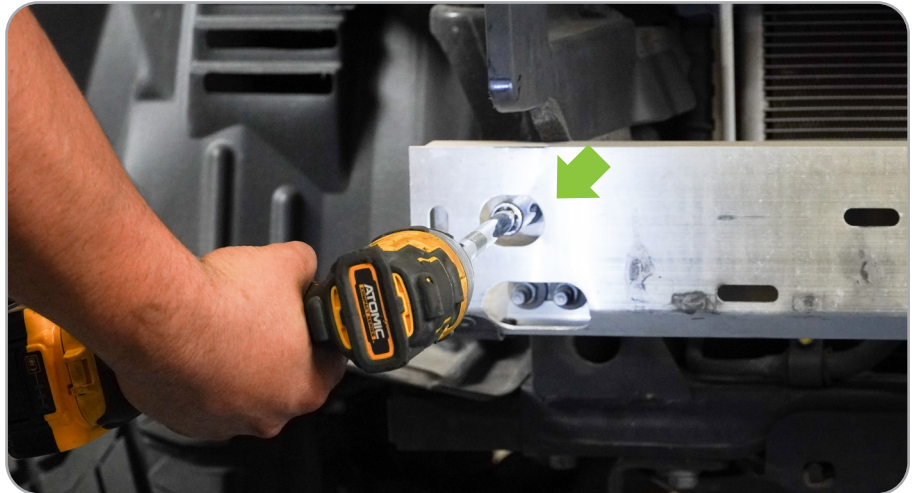


# INSTALLATION MANUAL

## STEP 14

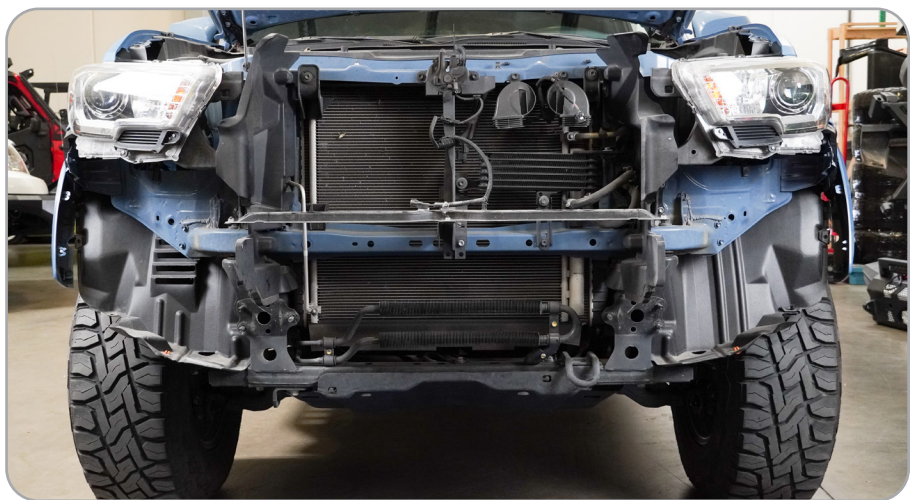
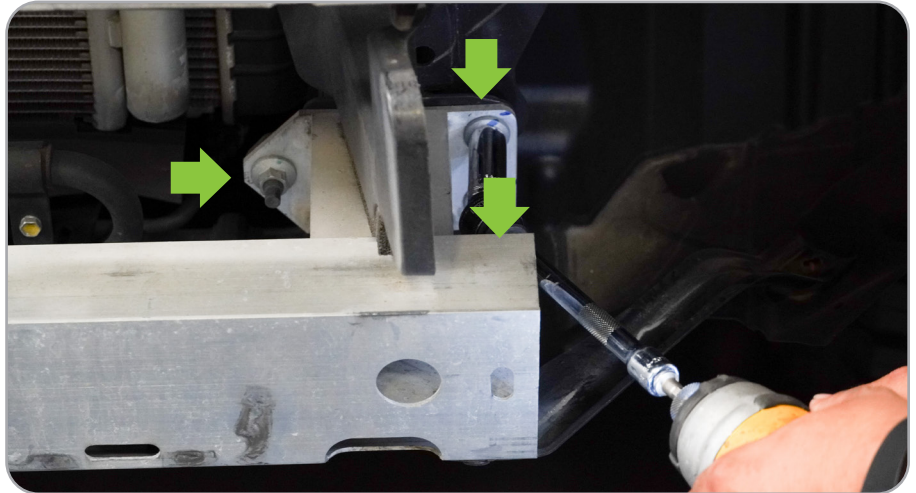
Using a 14mm deep well socket, loosen three of the nuts to release tension on the crash bar mount.

*NOTE: Only one side must be loosened to relieve tension on the assembly. If you do not do this, you will damage the threads on the frame mounting location.*



## STEP 15

Using the 14mm socket or wrench, remove the three nuts located on both sides of the crash bar. Remove crash bar and set off to the side since this will not be reused.



# INSTALLATION MANUAL

## STEP 16

Using a 17mm socket, remove the two bolts securing the “L” brackets located on both ends of the underside of the front frame cross-member.



## INSTALLATION MANUAL

### STEP 17

Using the 17mm socket, remove the two remaining bolts on the underside of the front frame cross-member to remove the frame extensions.





# INSTALLATION MANUAL

## STEP 18

On the DV8 bumper, begin by attaching the provided foam on to the bumper wing mounting points on each side of the bumpers center section.





# INSTALLATION MANUAL

## STEP 19

Install the bumper wings on to the bumpers center section using the provided M12 hardware, an 18mm socket/wrench and a 19mm wrench.

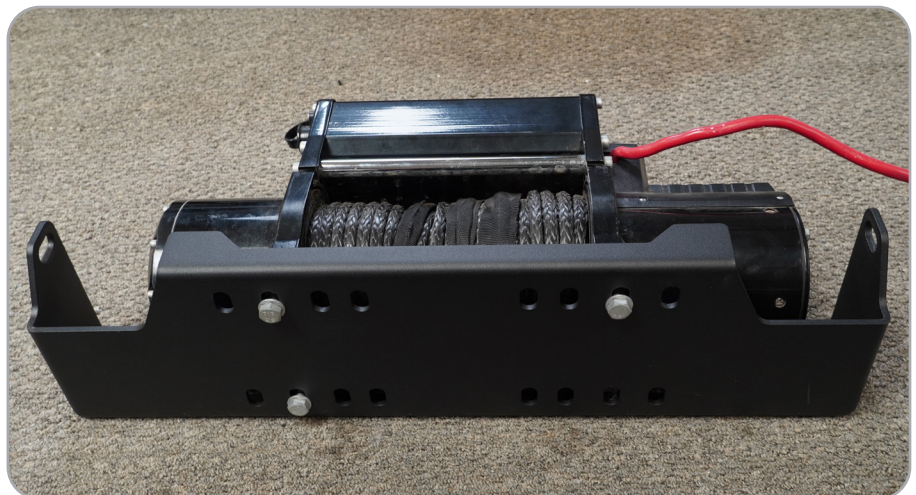


## STEP 20

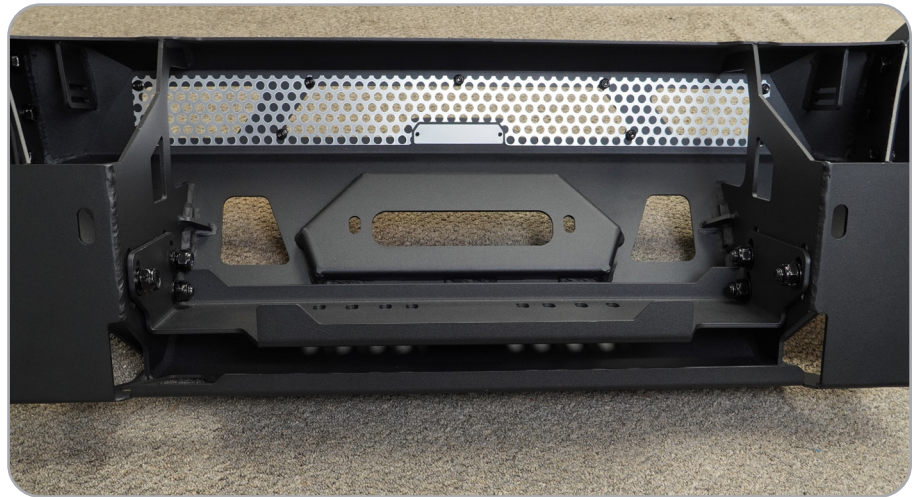
If running a winch, install the winch on to the winch plate prior to installing the winch plate onto the bumper. Use the hardware provided with the winch to mount the winch.

Install the winch plate using the provided M14 hardware, a 21mm socket and 22mm wrench. Use 2 washers per bolt, one on the bolt and one for the locking nut.

For this install we are not running a winch.



# INSTALLATION MANUAL



## STEP 21

If you plan on running a light bar, install the light bar bracket at this time.

Install the light bar bracket through the bumper supports.



## STEP 23

Place the light bar bracket so that the mounting tabs are inside the bumper mounting tabs.

Use the provided M6 hardware, a #4 Allen tool and 10mm wrench to secure the light bar bracket in place.





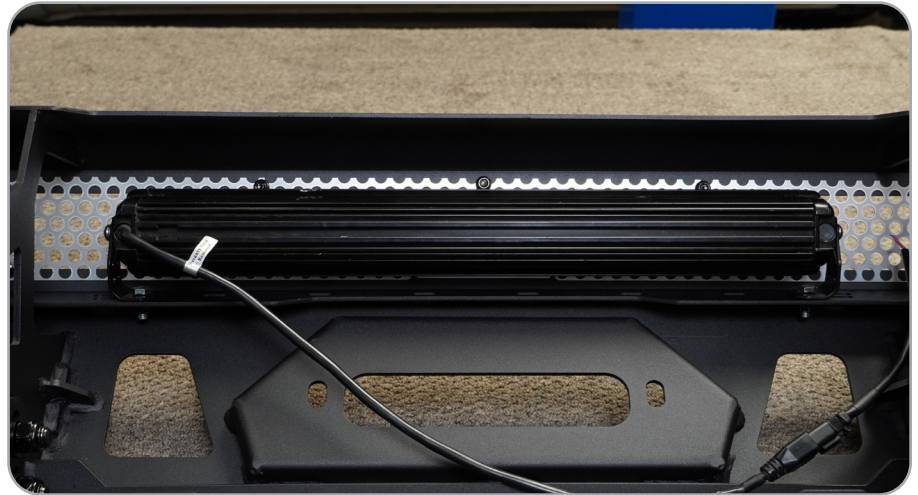
# INSTALLATION MANUAL

## STEP 24

The “U” shaped light bar bracket will accept up to a 30” light bar.

Install your light bar on to the light bar bracket using the hardware and brackets provided with the light bar.

*NOTE: For this install we ran an DV8 20” Elite Series LED Light Bar Dual Row light bar.*



## STEP 25

If running 3” pods on the wings, install them using the hardware provided with the lights.

*NOTE: We are running two 3” DV8 elite pod lights*



# INSTALLATION MANUAL

## STEP 26

Reinstall grille in the same manner it was removed. Using the guide pins as reference, use a 10mm socket and two the factory bolts and push pins from step 1, to secure the grille.

Reconnect electrical wiring harness previously disconnected in step 4.

*NOTE: For measurement to cut bumper jump to step 29.*



## STEP 27

Place your bumper onto the vehicles crash bar studs. Using the factory nuts removed on step 14 and a 14mm socket or wrench, loosely secure the bumper.

*NOTE: An extra pair of hands is highly recommend.*



## STEP 28

Center the bumper on the vehicle, ensure the ends of the wings are at equal distances and heights from the headlights are equal. Use a 14mm socket to secure the bumper in place.

Reconnect electrical wiring harness previously disconnected in step 7.







## STEP 29

Measure space between headlights and bumper prior to cutting. See template for approximate measurements.

When cutting bumper, leave brace that attaches both side panels together on the underside of the grille.

*NOTE: For our install, we left 1" extra and trimmed as necessary as we fit the side panels into place to get the best cut possible.*





# INSTALLATION MANUAL

## STEP 30

Once panels are trimmed, install the panels onto the vehicle, secure the panels using factory clips.

Trim fenders (if equipped) to match bumper wings.



## STEP 31

Using scissors or a razor blade, trim the inner fenders, keeping the most mounting points you can while clearing the bumper.



# INSTALLATION MANUAL

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## STEP 32

Double check all hardware is secure.

If running optional pod lights/light bars, wire lights as desired.

Congratulations, installation of the DV8 MTO Front Bumper is not complete!!

