



CA tuned Off-Road 2022+ Nissan Frontier Front Bumper



Install Instructions

INCLUDED HARDWARE

1	CA tuned Off-Road Bumper
2	Bumper Spacer (x2)
3	Front Sensor Relocation Bracket
4	Relocation Bracket Hardware

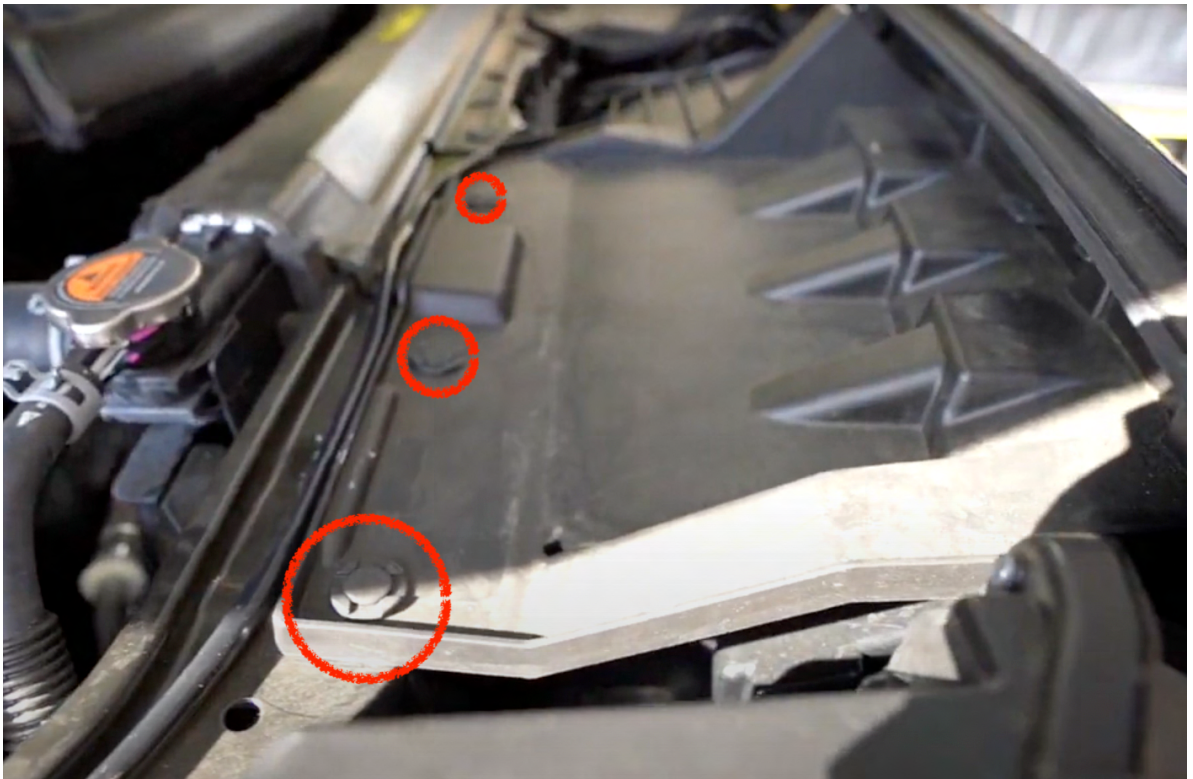
REQUIRED TOOLS

1	Philips Screwdriver
2	T20 Torx Screwdriver
3	10mm Socket
4	15mm Socket
5	17mm Socket
6	Cutting Tool (Rotary Disc, Sawzall, Dremel etc.)
7	Trim Removal Tool (Optional)

STEP 1: PREPPING THE BUMPER

1	Ensure that the engine is off and pop open the hood. Make sure to remove the negative from your battery.
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Use a prying tool or a similar implement to remove the **6 plastic clips** from the liner at the front of the engine bay.



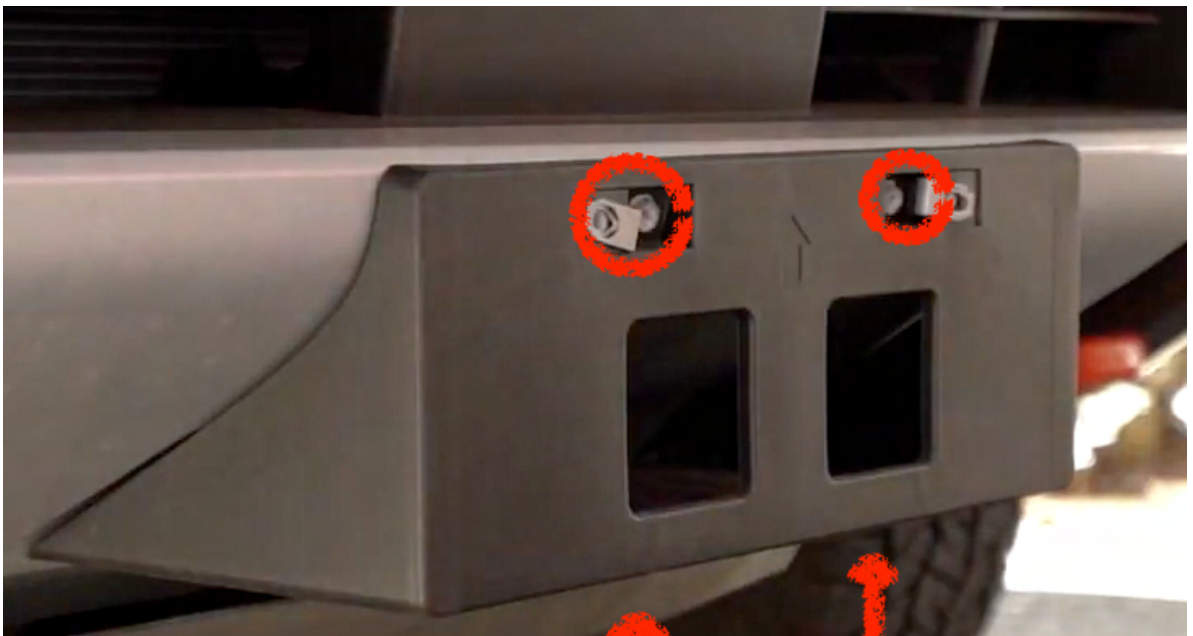
2

Then, remove the screws holding the liner to the grill using a **T20 Torx Screwdriver**. The liner may now be pulled off of the vehicle.



If you have the factory license plate holder then remove them at this point using a **Philips Screwdriver**.

3



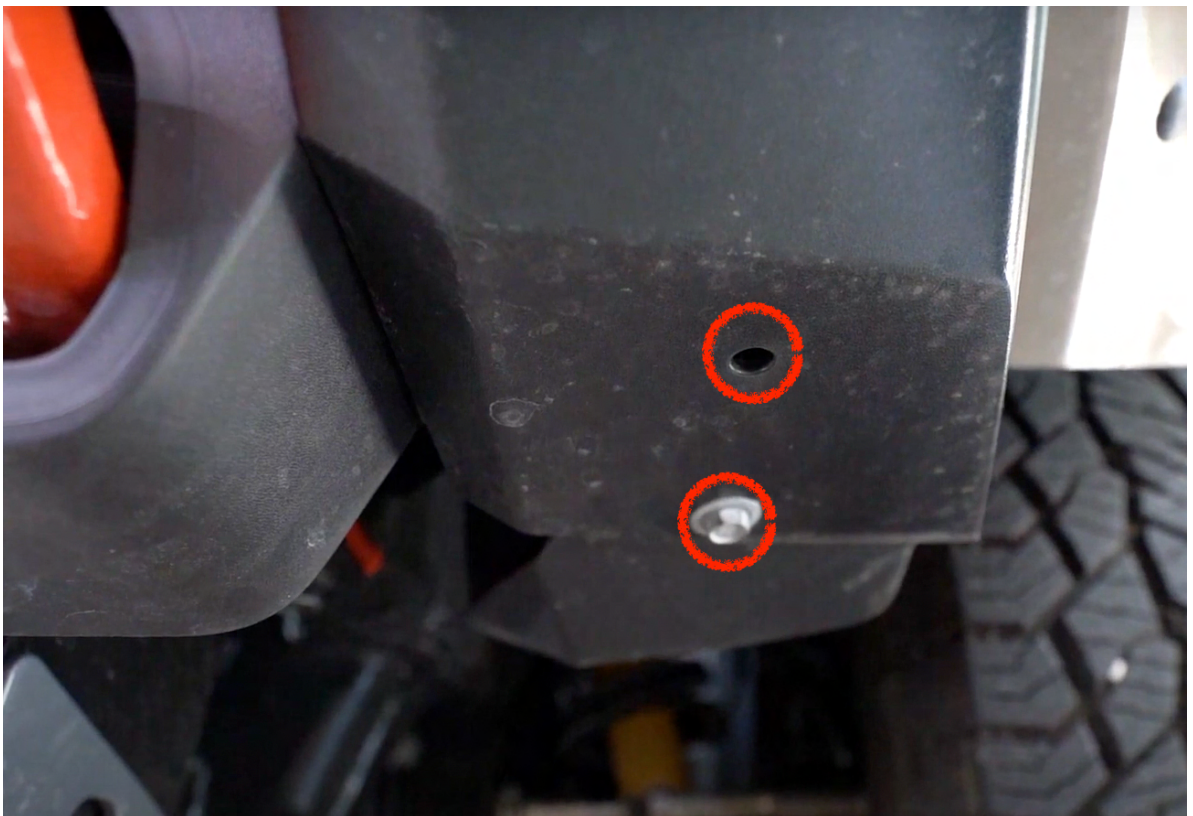


STEP 2: REMOVING FACTORY BUMPER

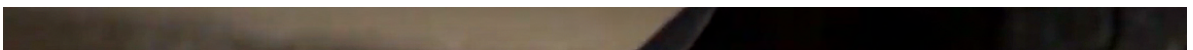
1 ** For this installation you don't need to take off the entire front bumper**

Start by removing the (2x) 10mm bolts next to the factory tow hooks underneath the truck near the front of the wheels. There are two bolts on each sides.

2



Next remove the 10mm bolts that are hidden behind the plastic lining right behind the factory tow hooks. You'll have to pry the plastic open to get to this bolt. There's two on each side. These 10mm bolts holds the bumper you'll need to remove to the rest of the front bumper.



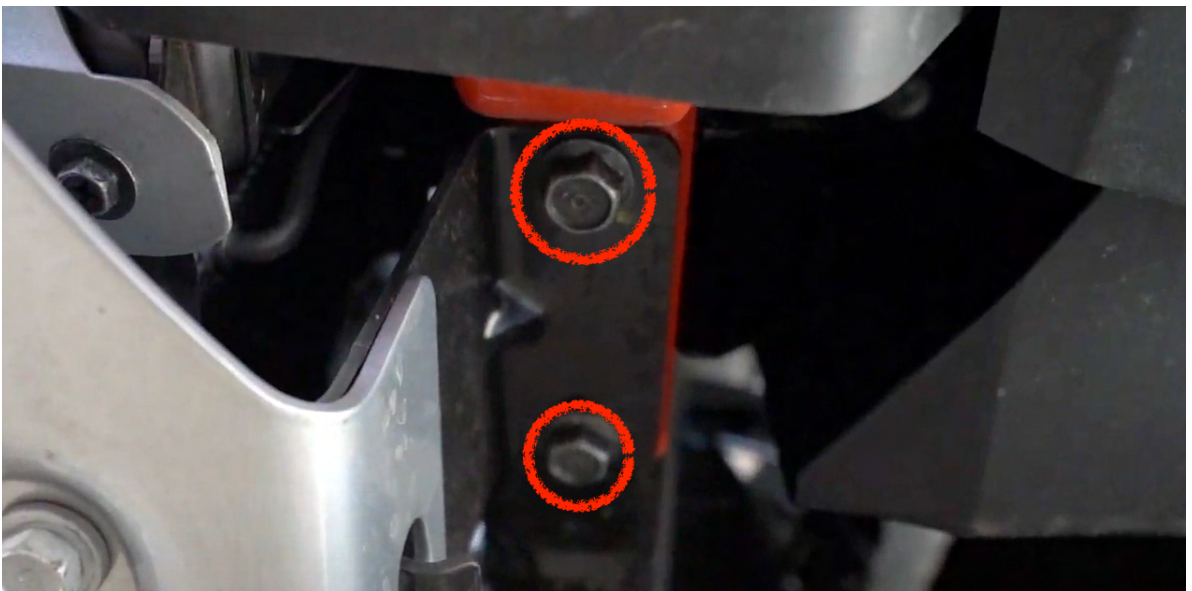
3



Using a **15mm Socket**, remove the factory skid plates that is attached to the factory tow hooks. There are (2x) on each side. The factory skid plate will fall right off after removing these screws.

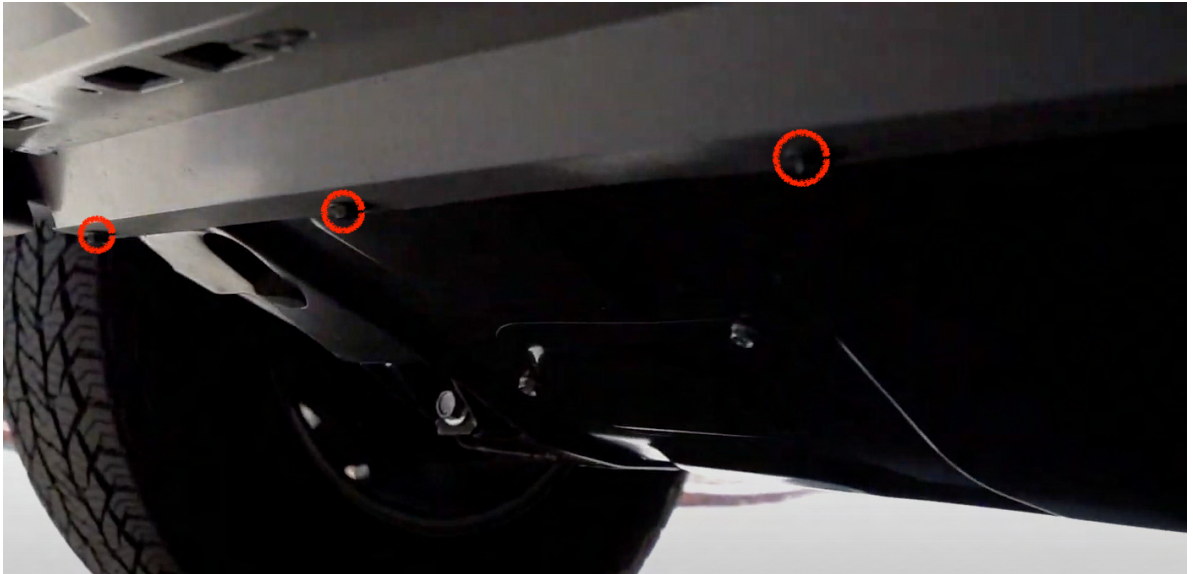
****Hold on to these screws, you'll need them to install the bumper****

4





Next using a **10mm Socket** remove the 10mm bolts holding the secondary skid plate to the bumper.



5

Now it's time to remove that bumper! Begin by prying apart each side section of the bumper. Then pry apart the center section of the bumper. A flat-edged tool will assist in applying the necessary leverage to release the tabs.

****If the clips break, it's not the end of the world. You'll have a better bumper in its place.****

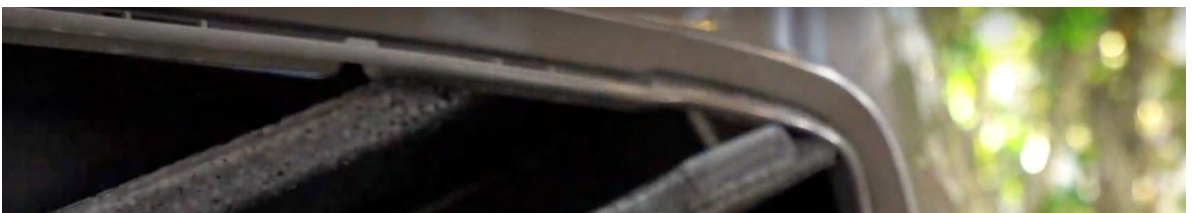


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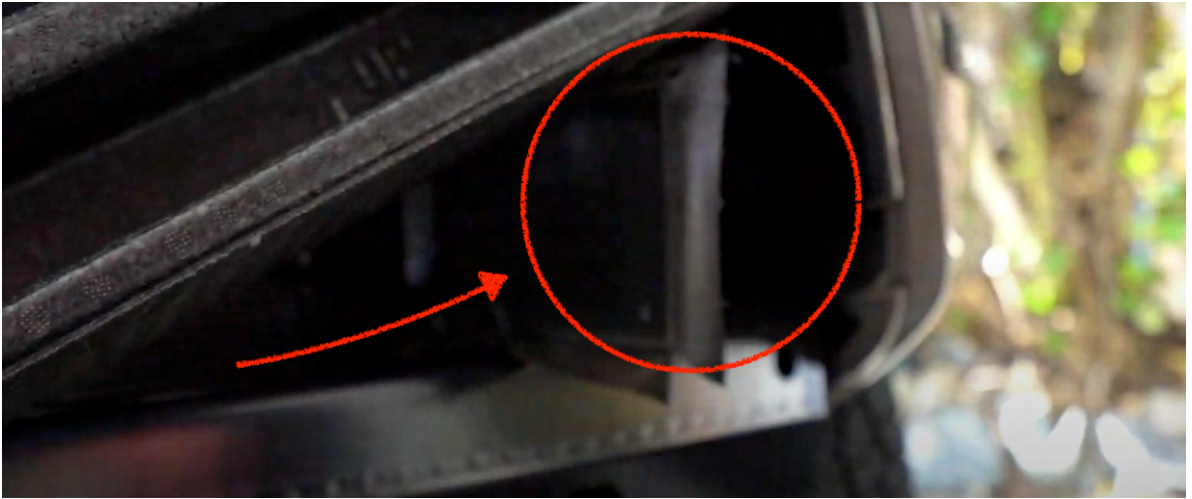


Remove the Styrofoam piece from behind the middle section of the grille. It should just come right off.

Then remove the upper foam piece by pushing the two plastic shrouds beneath the styrofoam pieces to the sides in order for the foam to drop down.



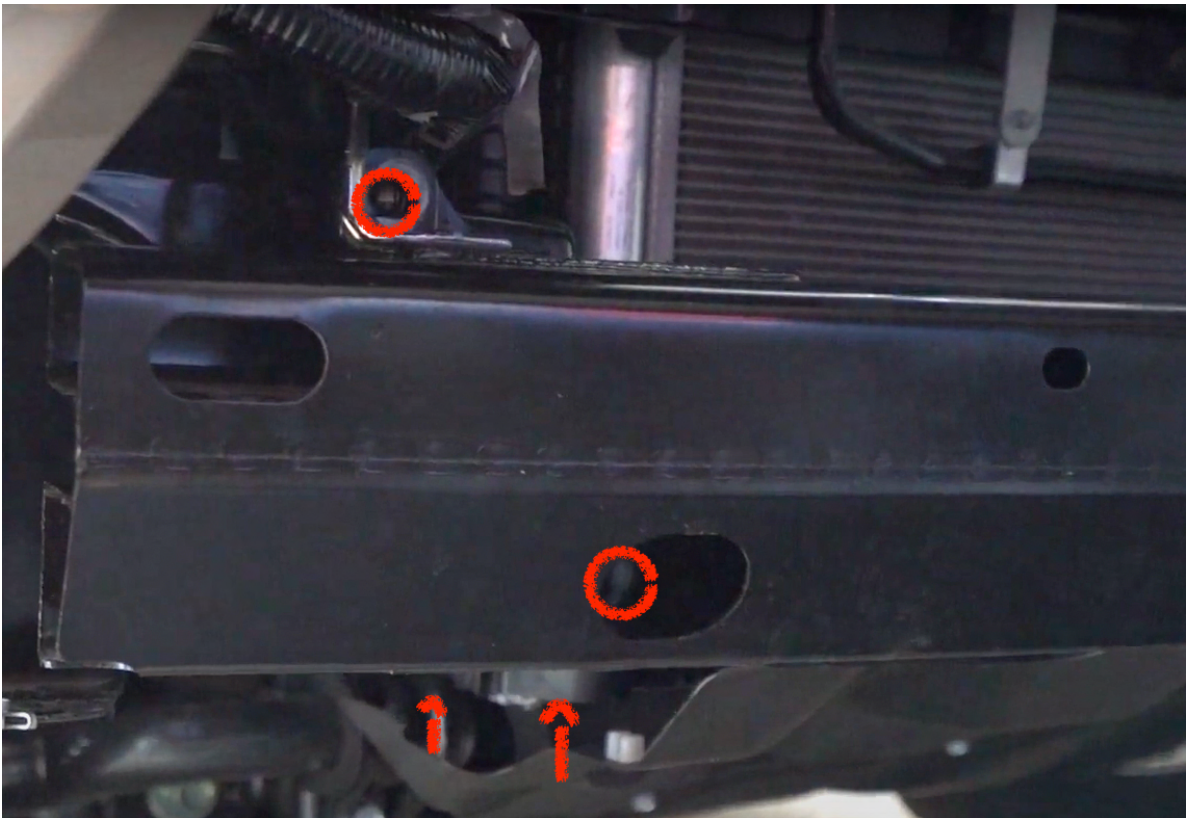
7



Using a **17mm Socket** you will need to remove the 4 bolts on each side holding it to the frame of the truck.

The secondary ski-plate underneath the crash bar will need to be removed as well. It is being held up by two 10mm bolts on each sides.

8



**If the vehicle is equipped with a front radar sensor, unplug and remove it from the

factory bracket using a **10mm Socket**. Also remove the factory bracket and set it aside to keep it from getting damaged. **

Before reinstalling the front radar sensor you will need to cut off the right top mounting arm because it will stick out past the new sensor cover. You don't have to do this but it does give it a much nicer look.



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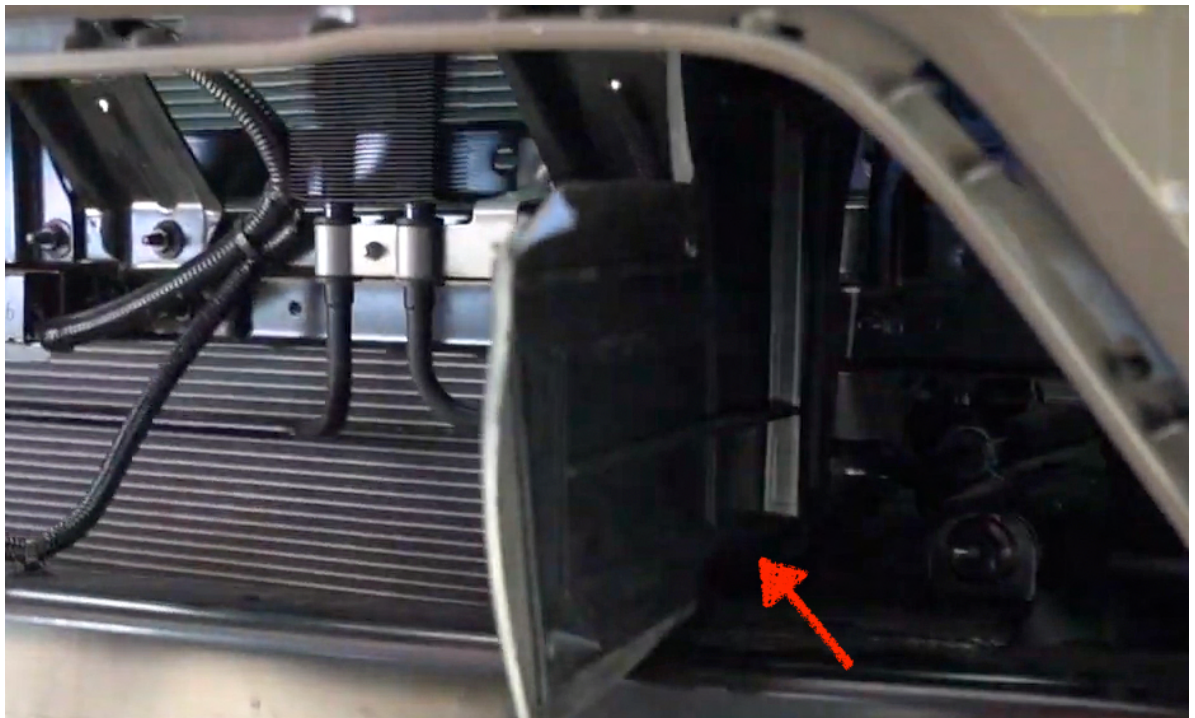




You can now remove the two plastic panel that runs parallel behind the grill. They are being held to the grill with two tabs.



10





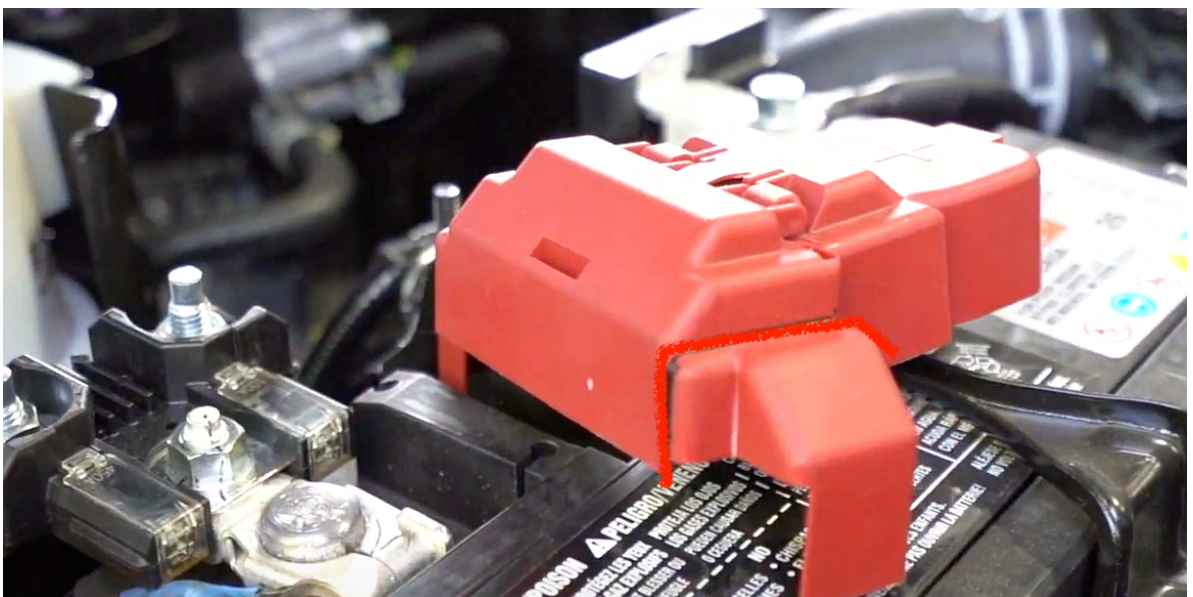
Skip to the next section if you are not installing a winch.

****If you plan to install a winch, then you will need to removed this metal bracket that connects from the inside front grill to the radiator area****



Additionally to fit the positive cable to the battery for the winch you will need to trim off some of the plastic piece on the positive battery cover.

11





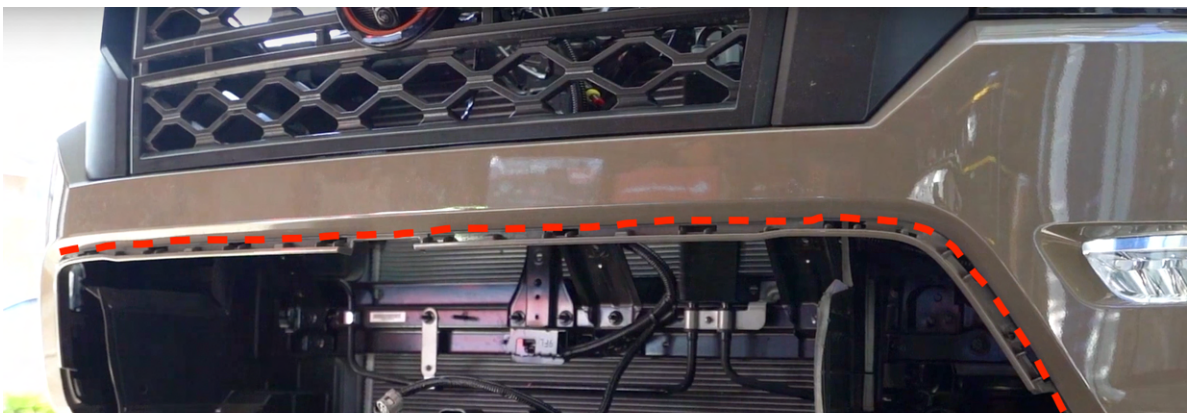
STEP 3: BUMPER CUTTING AND INSTALLATION

Before cutting, mask off the area around the bumper where the cut will take place.



!! When cutting the bumper please take your time and don't rush the process. Make sure you leave a good 8th of an inch of material and go in with a sander to get a nice clean finish !!

1





After the cut you can use a **Trim Removal Tool (Optional)** to run along the edges to get a nice clean finish.

****If you want added protection you can also get a Truck/SUV edge trim and wrap it around the entire area that has been cut.****

- | | |
|---|--|
| 2 | Before installing the bumper. With a jack or a friend, lift the bumper into its relative position. |
| 3 | Slide the bumper spacers in between the bumper and the vehicle frame. |
| 4 | Loosely thread the (8) factory bolts in place. When the bumper has been properly positioned, tighten down the bolts. |
| 5 | Snap the factory front radar sensor into the CA tuned relocation bracket and screw into place. |

STEP 4: COMPLETION!

Congratulations you did it!





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