



**Ford Edge ST  
BIG MOUTH Ram Air Intake  
Installation Guide**



Please review this document before attempting installation.

You will need basic hand tools and 2-3 hours of installation time.

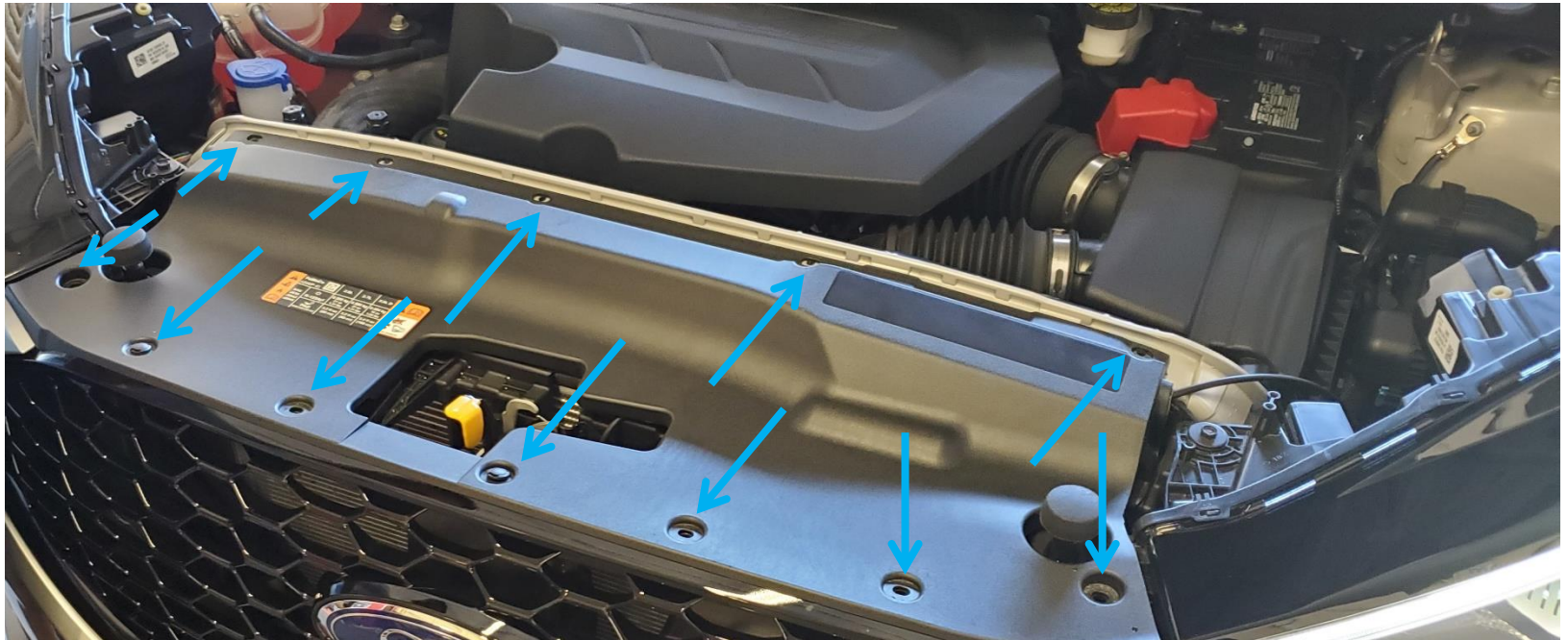
This product uses the following hardware. Ensure your Big Mouth was delivered with the following:

Description	Qty in kit
	#
M6x50 buttonhead cap screw, fully threaded	2
M6 lock nuts	2
6mm washers	2
Plastic push pins	2
16" long nylon zip ties	4
4" zip ties	3
Hood latch casing bracket	1



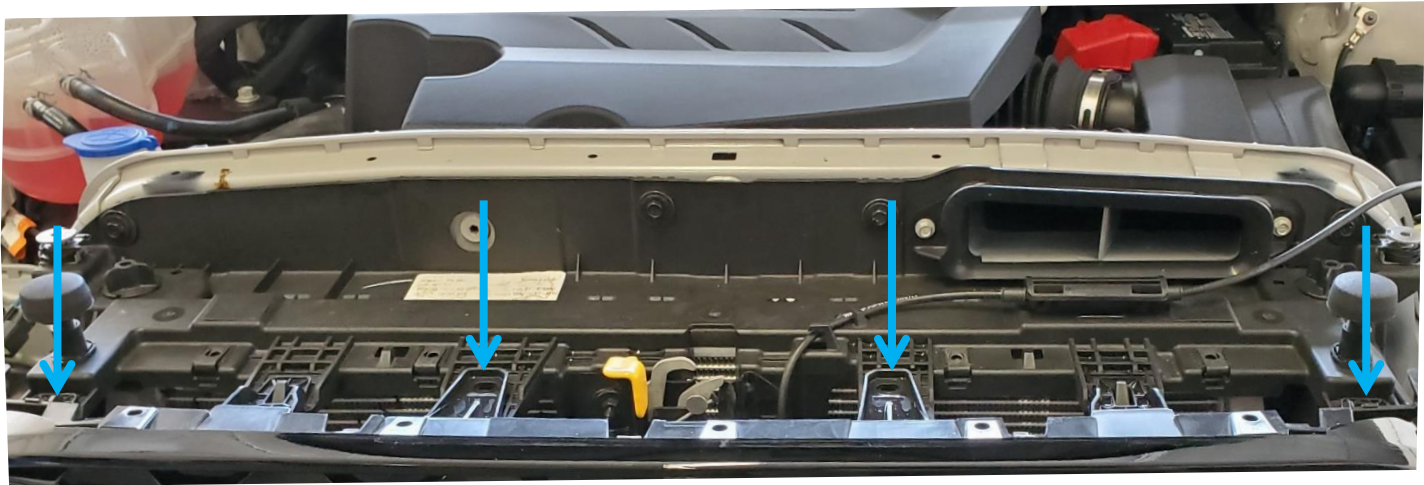
## Bumper Removal

Remove the shroud by pushing down on the center pin of the pop-up clips and extracting them with a pry tool.



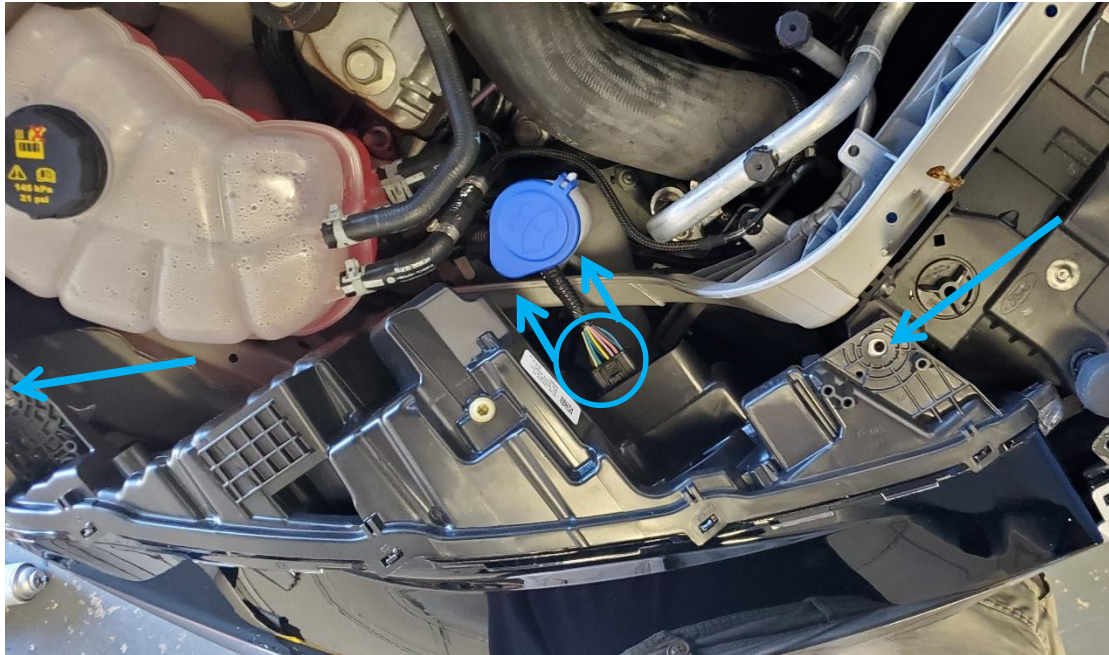
## Bumper Removal

After removing the shroud, remove the top 4 screws (10mm) that attach the bumper to the chassis.



# Headlight Removal

Remove the bolts (10mm) holding the headlight to the bumper and disconnect. Repeat on other side.





## Bumper Removal

Remove the bolts (8mm) shown below. Repeat on other side.





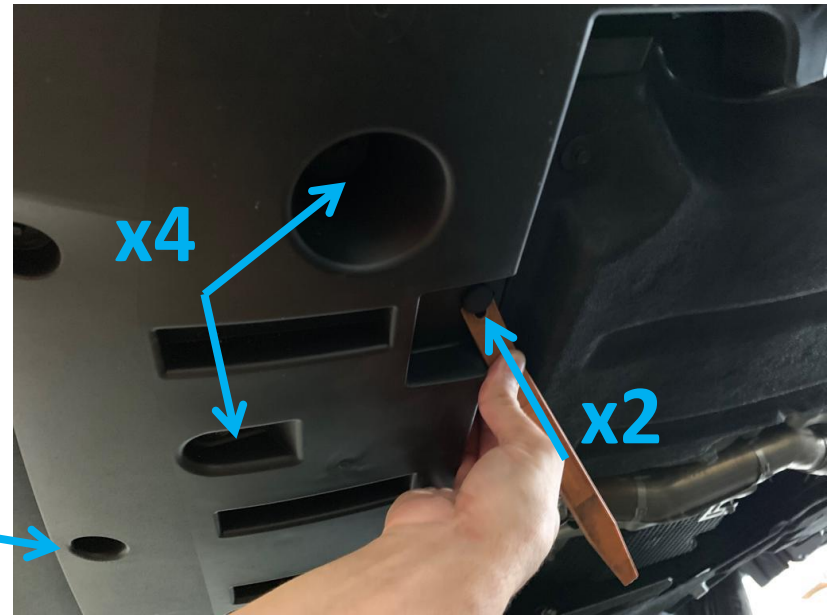
## Bumper Removal

Remove the 2 pop-up clips and 4 screws (5.5mm) that lie in the wheel well. Repeat for other side.



## Bumper Removal

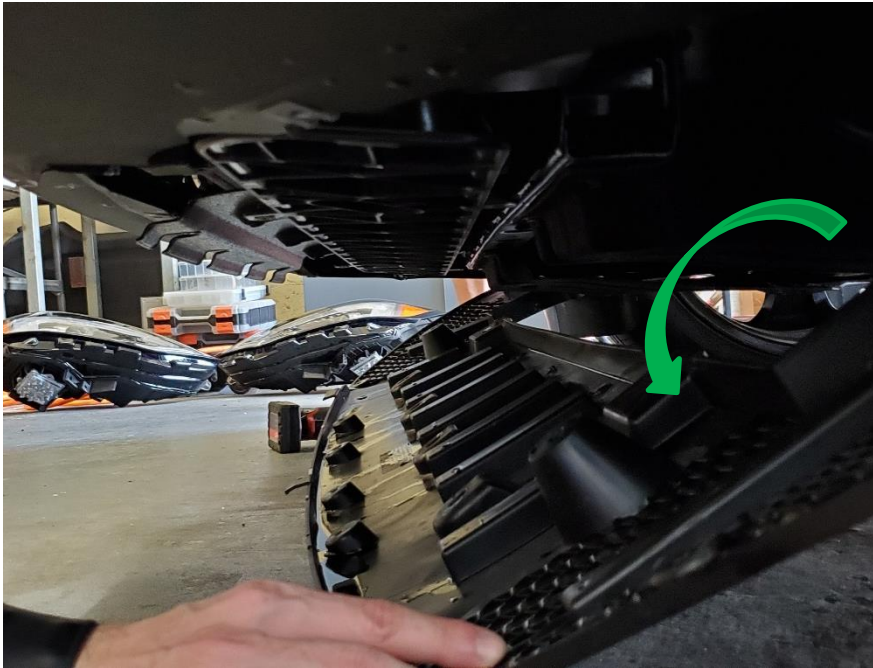
Remove the 10 screws (5.5mm) that trace the edge of the bumper. Also remove the 4 screws in the indicated recesses (7mm). Lastly, remove the two pop-up clips.





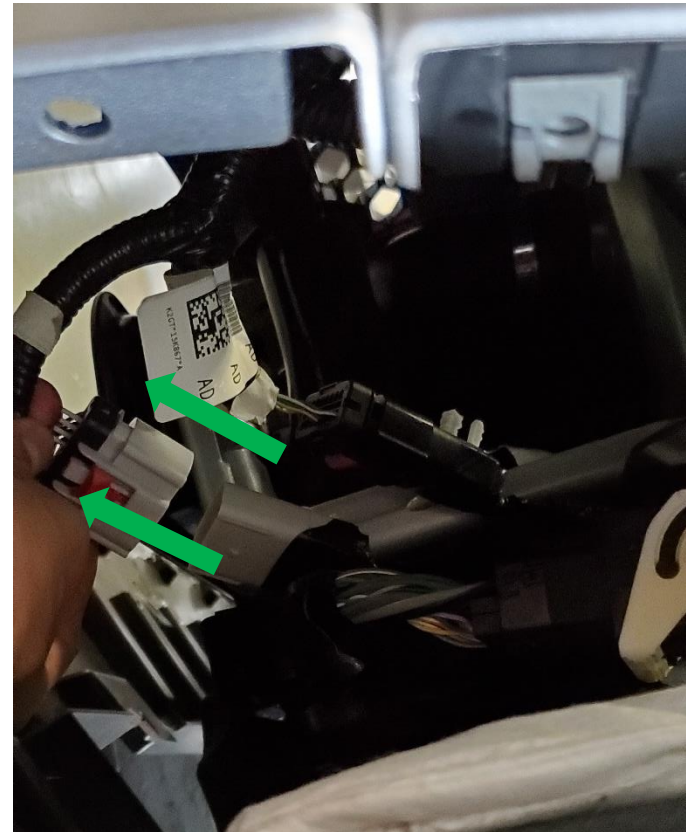
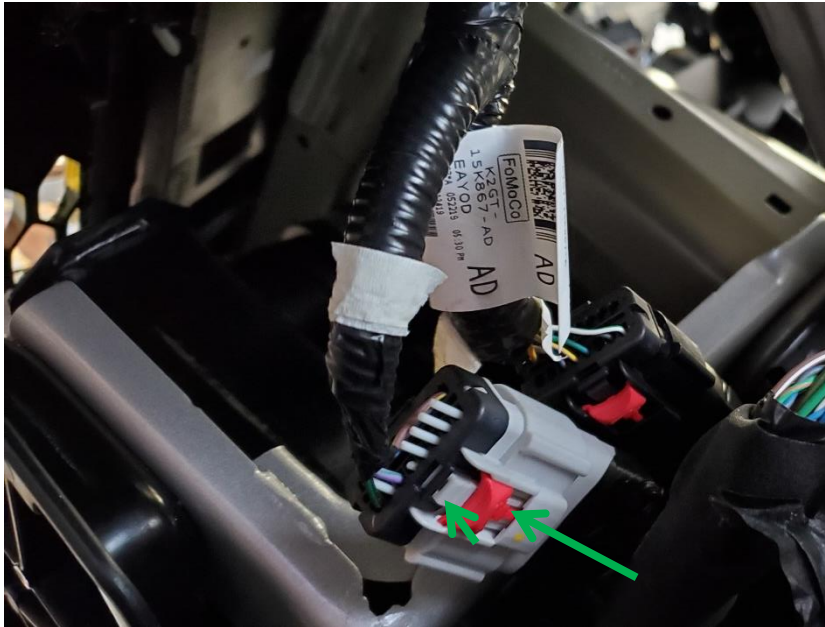
## Bumper Removal

Pivot the splash shield downward in order to access the connectors shown below.



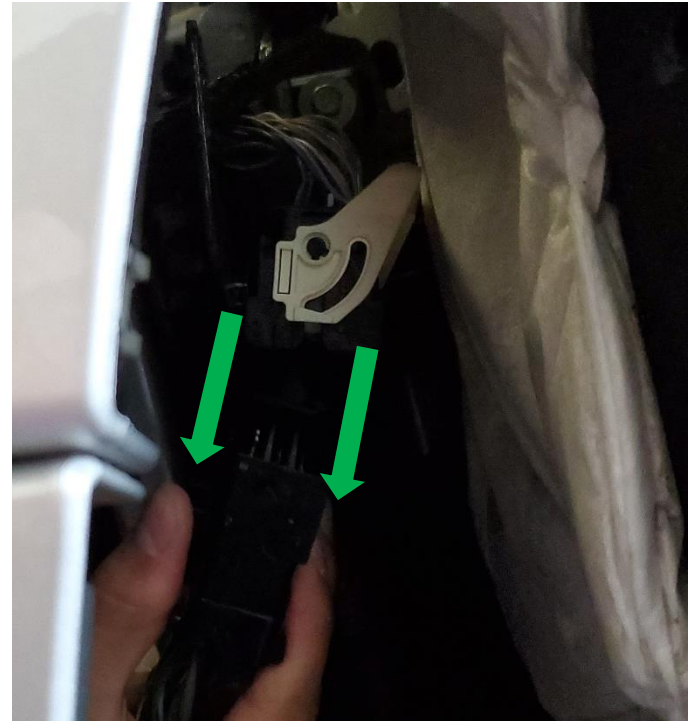
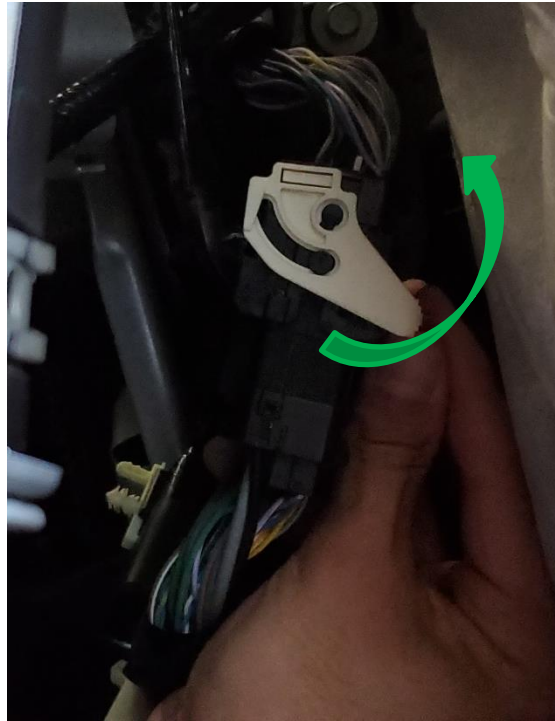
## Bumper Removal

To remove connector, pull the red tab towards you, depress the small grey lever and tug while rocking the connector side to side. Repeat for the black connector.



## Bumper Removal

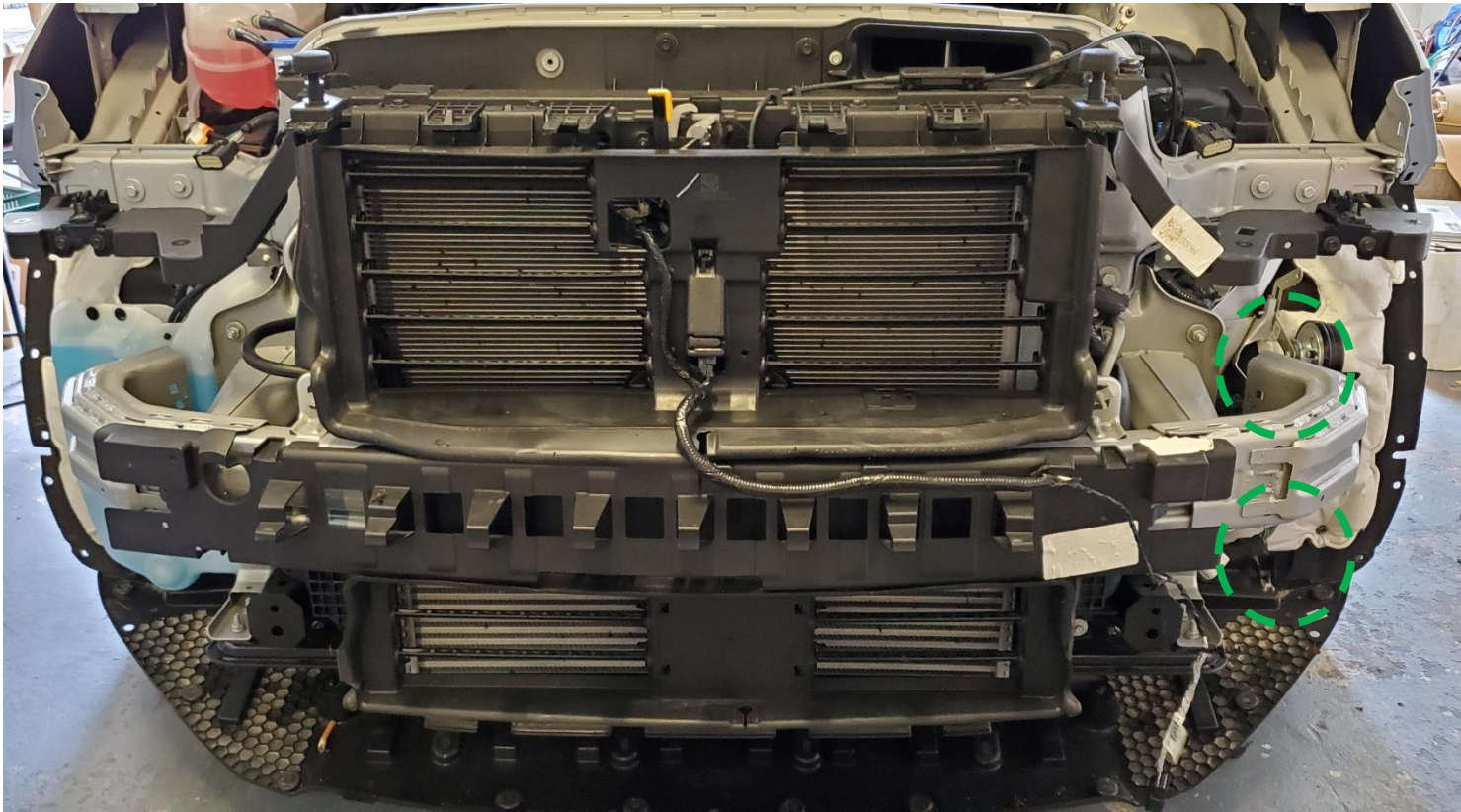
Next, disconnect the wiring harness shown below. Swivel the white handle counterclockwise and tug lightly.





## Bumper Removal

As you pull the bumper away from the car, make sure to remove the horn connector and the AGS connector along with any pull pins that are attached to the bumper.

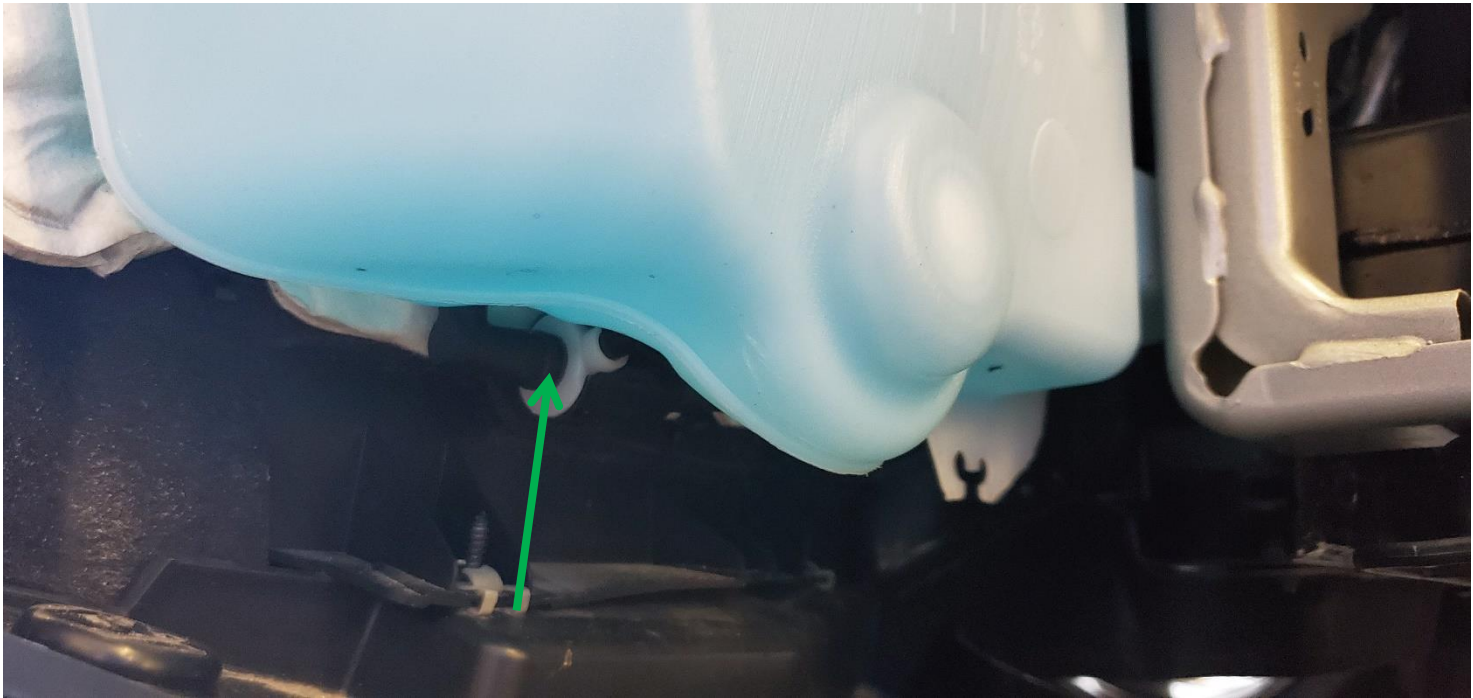






## Windshield Wiper Line

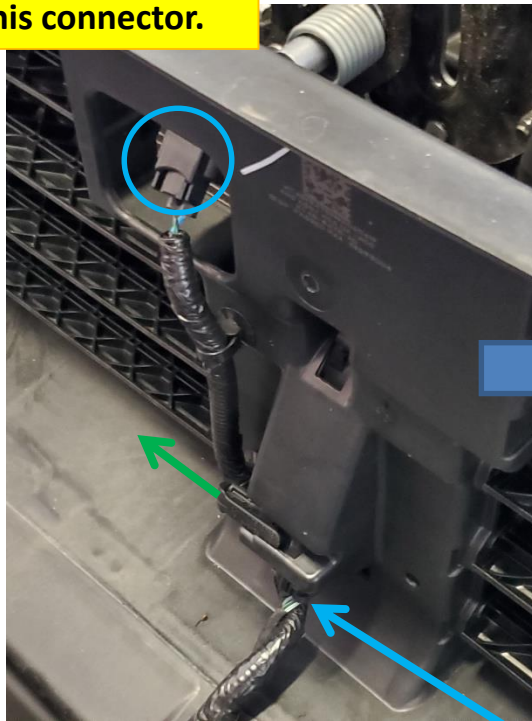
If your windshield cleaner line runs across your bumper, you will have to pinch the line at the reservoir in order to pull your bumper off. Pinch the line using the supplied 4" zip ties.



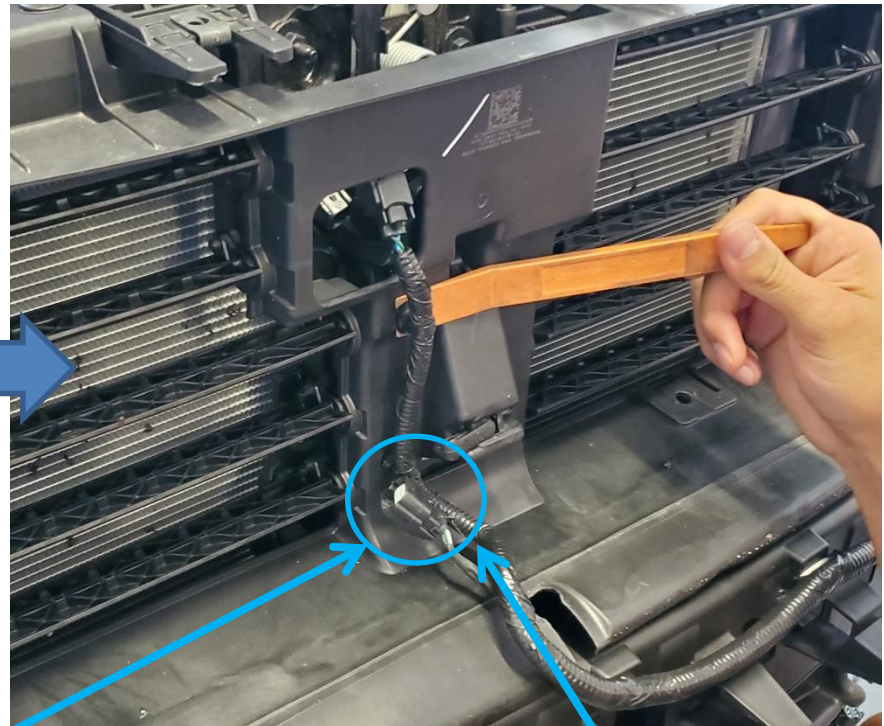
## AGS Removal

Remove the following connectors from the AGS. To remove the bottom connector, pull the sliding pin left but do not fully remove the pin. Use pry tool for wire loom clips.

Unplug this connector.



Connector located under here, unplug it.

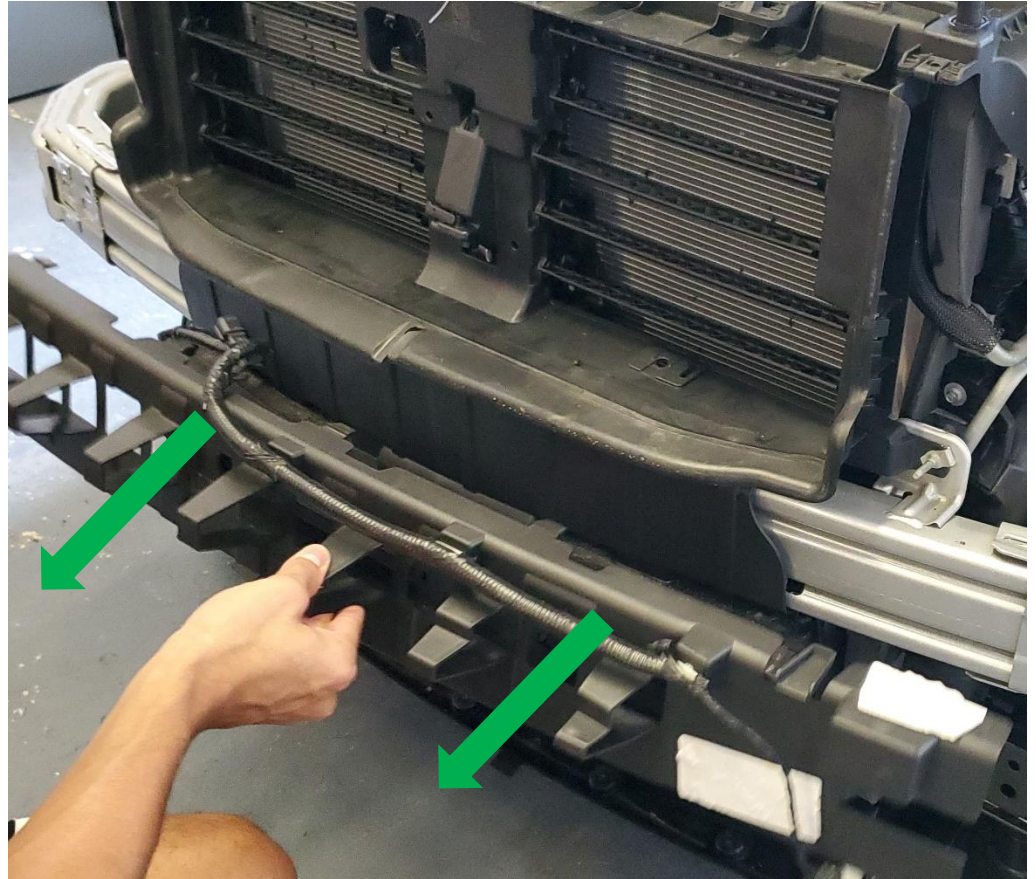
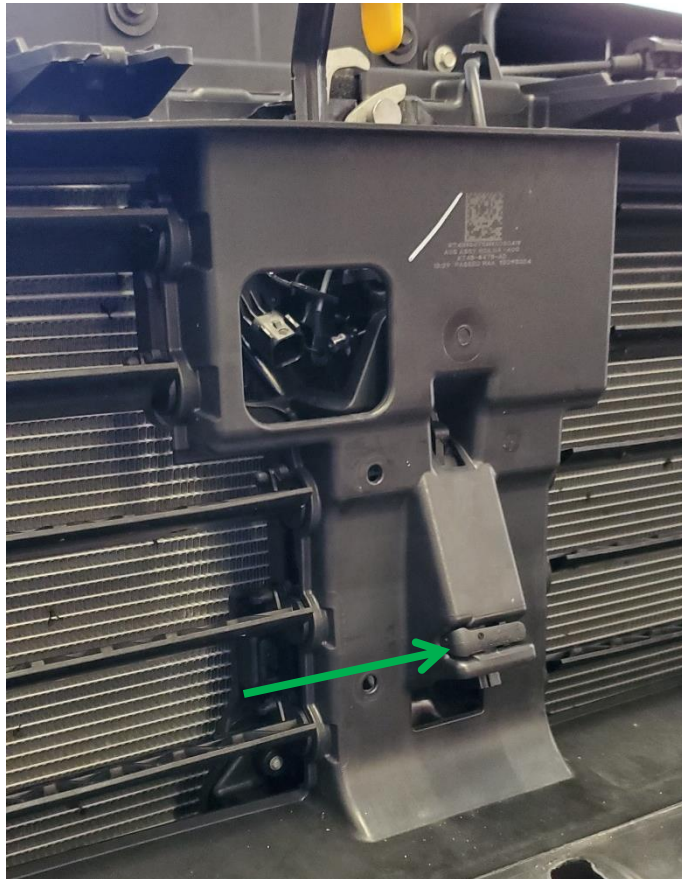


Zip tie (4" zip tie) this pigtail to the rest of the wire loom.



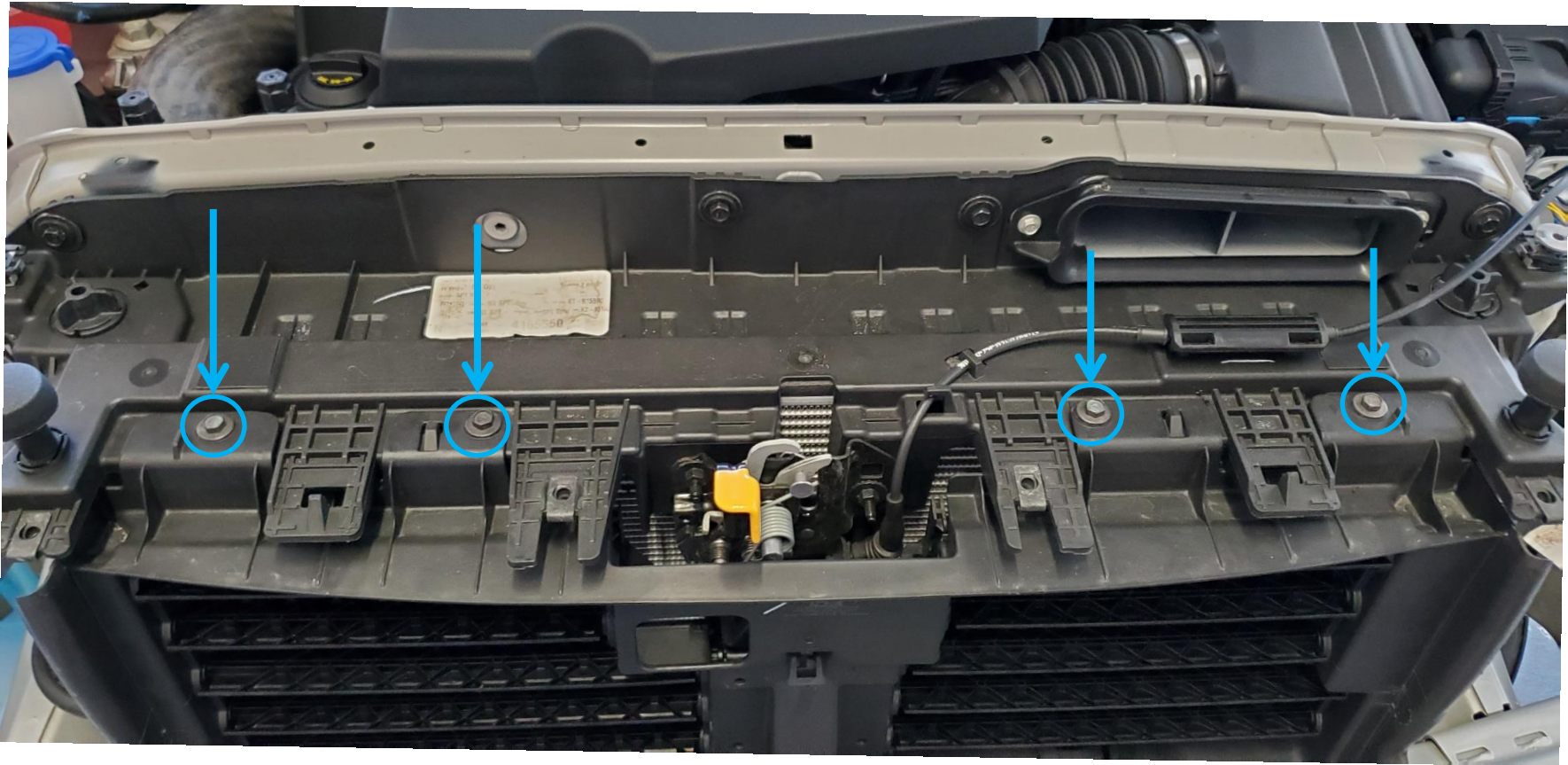
## AGS Removal

Put the pin back in place, ensuring that it goes through its designated slot. The indicated piece can now be pulled off and put aside; it will be reinstalled later.



## AGS Removal

Remove the top 4 screws (10mm) that attach the AGS to the chassis.







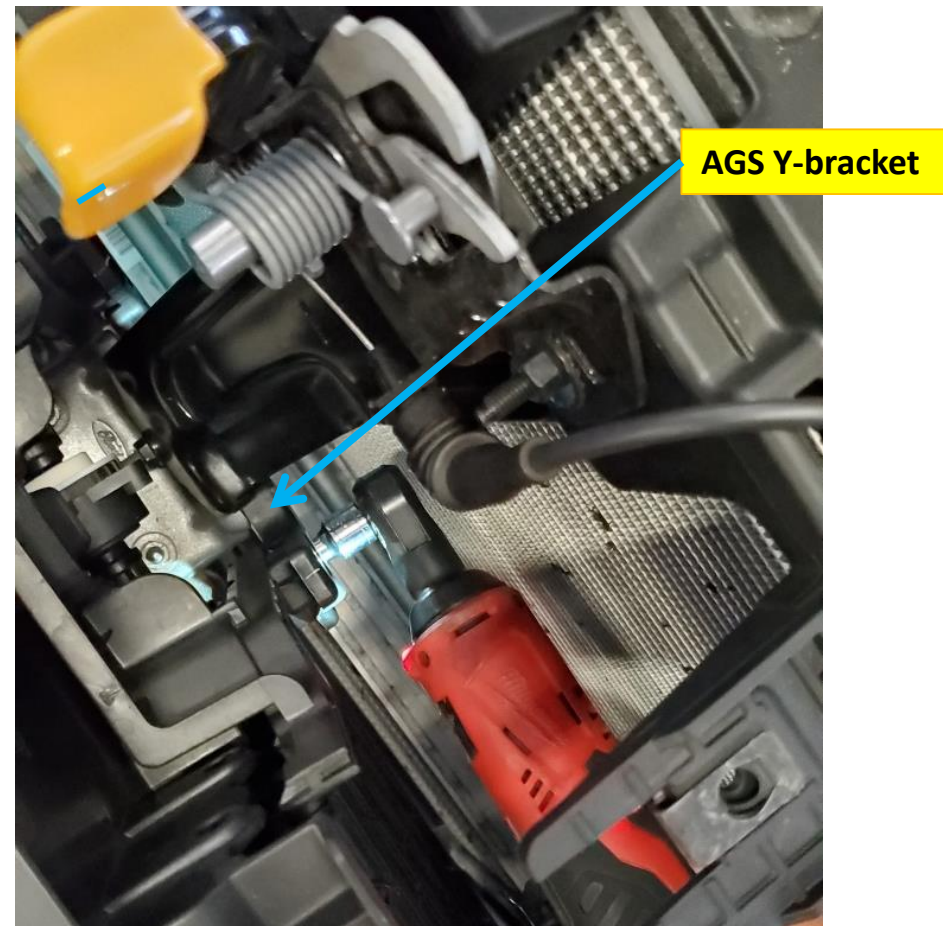
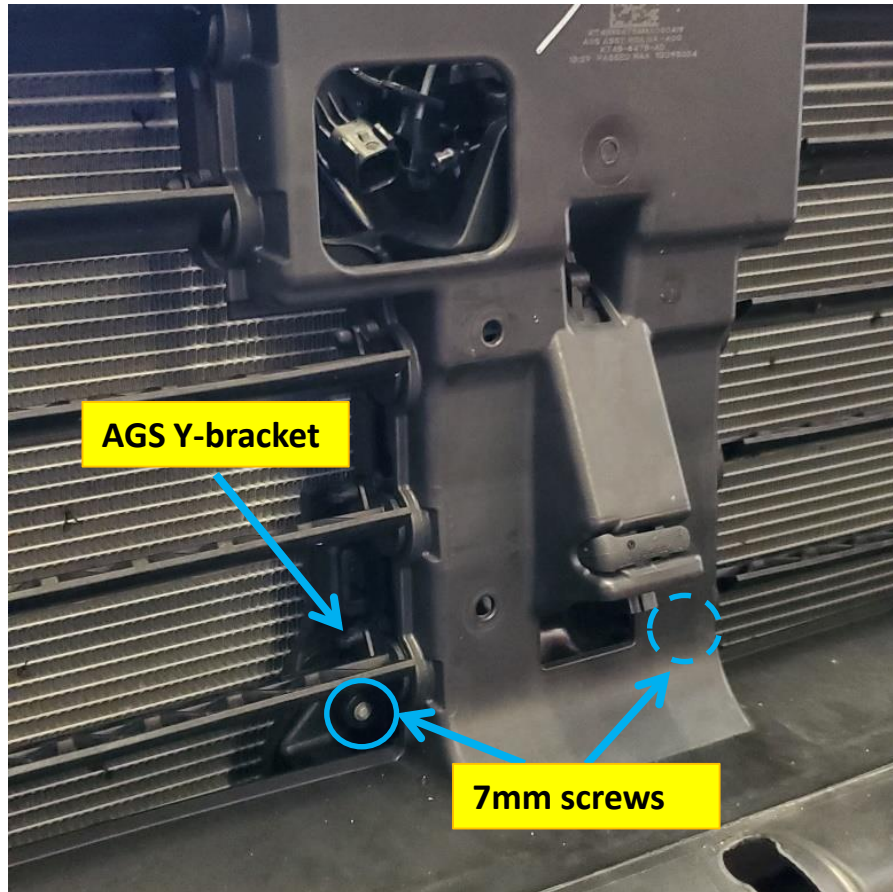
## AGS Removal

Remove the grey screws that lie off to the sides of the AGS using a socket wrench. Do this to both sides.



## AGS Removal

There is a plastic segment that attaches the AGS to the chassis (Y-bracket behind the AGS assembly). In order to loosen this segment from the AGS, there are 2 screws (7mm) and 2 clips to target from the backside.



## AGS Removal

In front of the car, looking from the top down, behind the AGS, locate the following. Push inward with a pry tool in order to undo the indicated clips.

Apply force in this direction for this clip



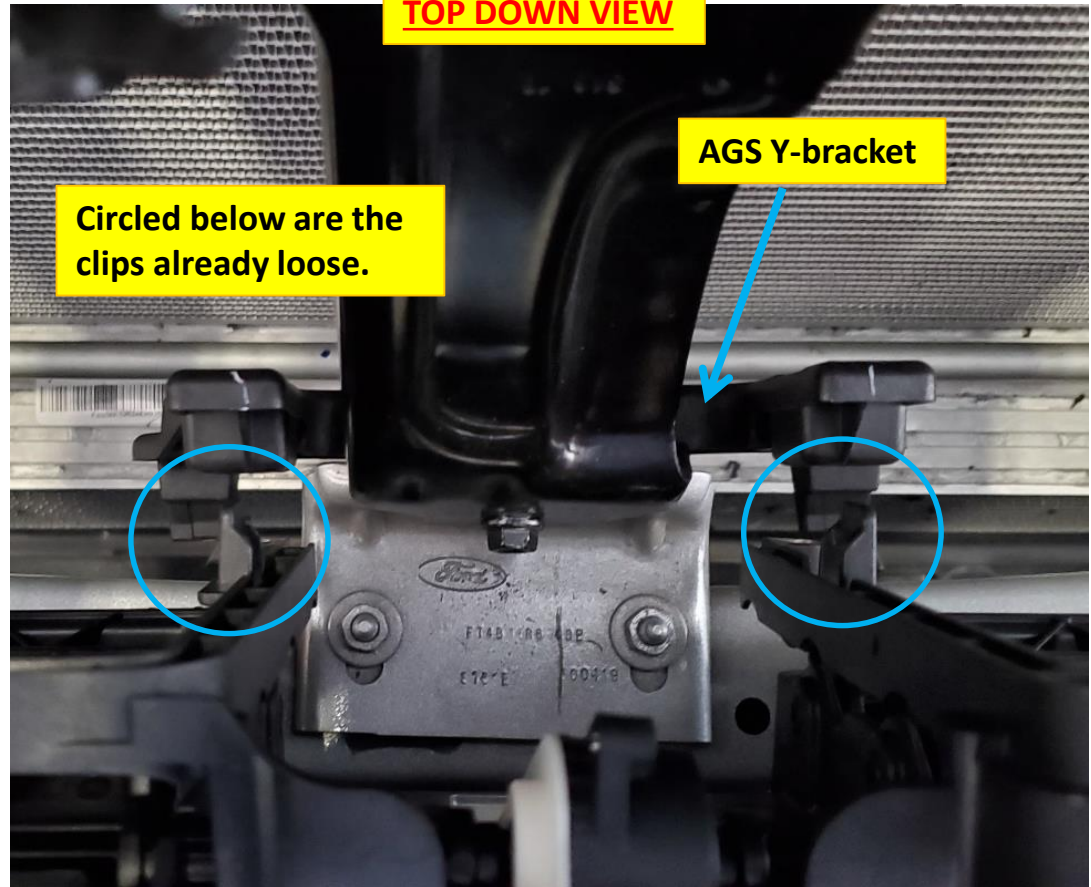
Shown above is one clip intact, there are 2.

**NOTE: THE Y-BRACKET DOES NOT NEED TO BE FULLY REMOVED, just the top two screws and clips as outlined in the previous 2 slides.**

**TOP DOWN VIEW**

Circled below are the clips already loose.

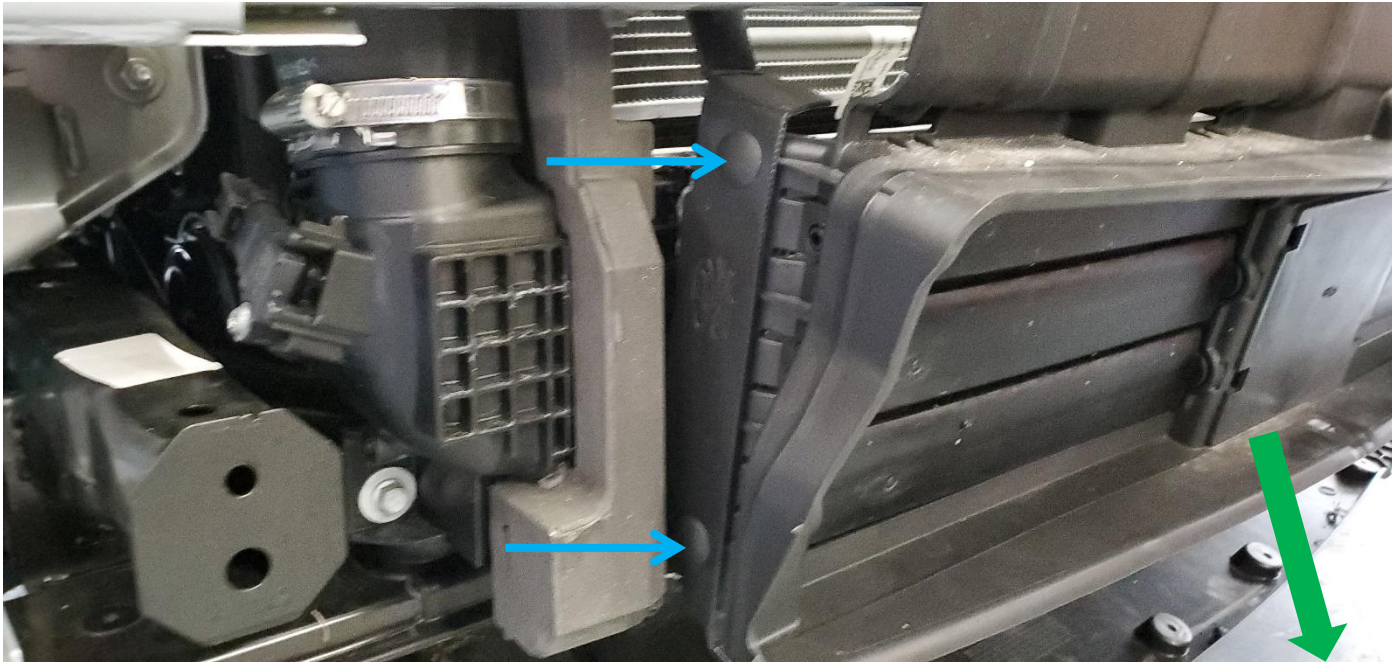
AGS Y-bracket





## AGS Removal

Undo these clips with a pry tool. The AGS should now be free enough to pull downward and get it off the crash bar.



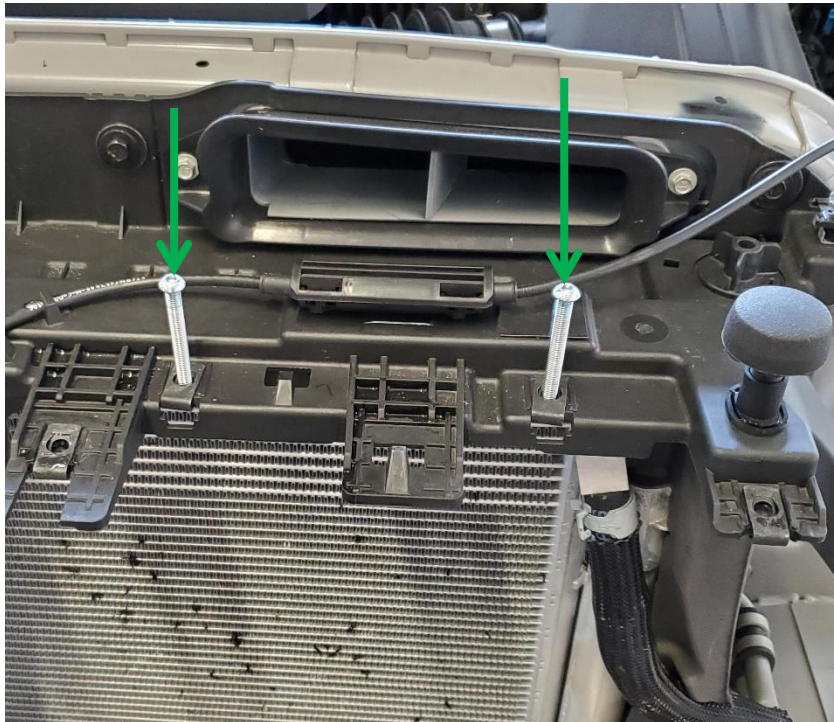
Once the Y-bracket top clips are un-done (see previous slide) you will be able to slide the entire AGS assembly downward by flexing the Y-bracket gently.



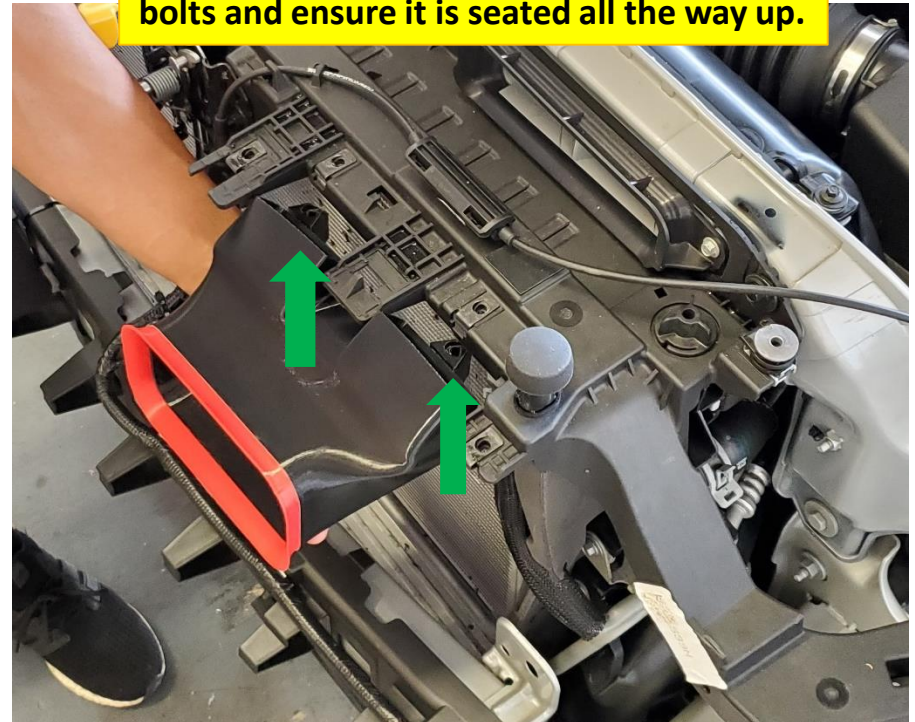


## Big Mouth Install

Insert the M6x50 screws all the way through the threaded clips directly in front of the cowl, preferably with a driver or ratcheting tool.



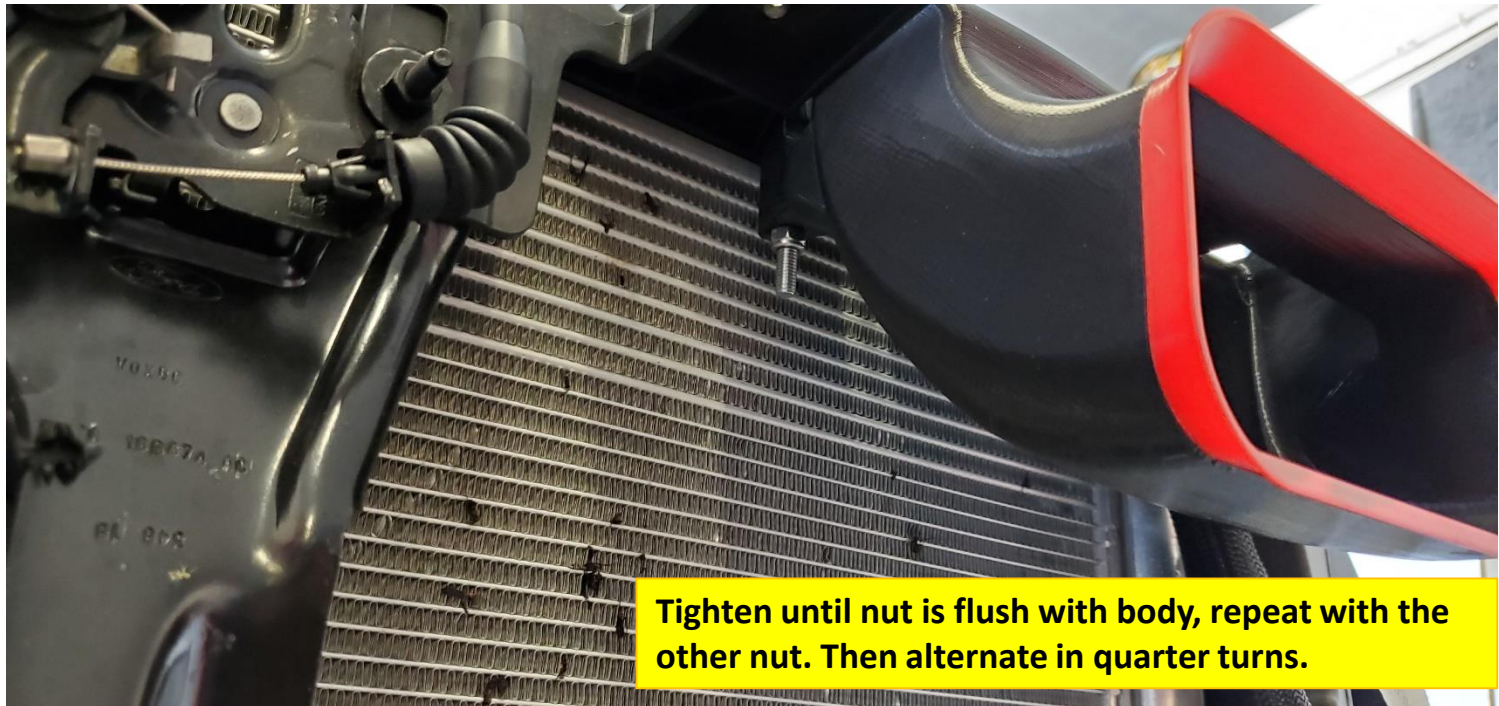
**Slide BIG MOUTH vertically through the bolts and ensure it is seated all the way up.**





## Big Mouth Install

Add a washer to each screw and drive the lock nuts into the M6 screws using a 10mm socket. Tighten gradually in an alternating sequence. **DO NOT OVERTIGHTEN.**



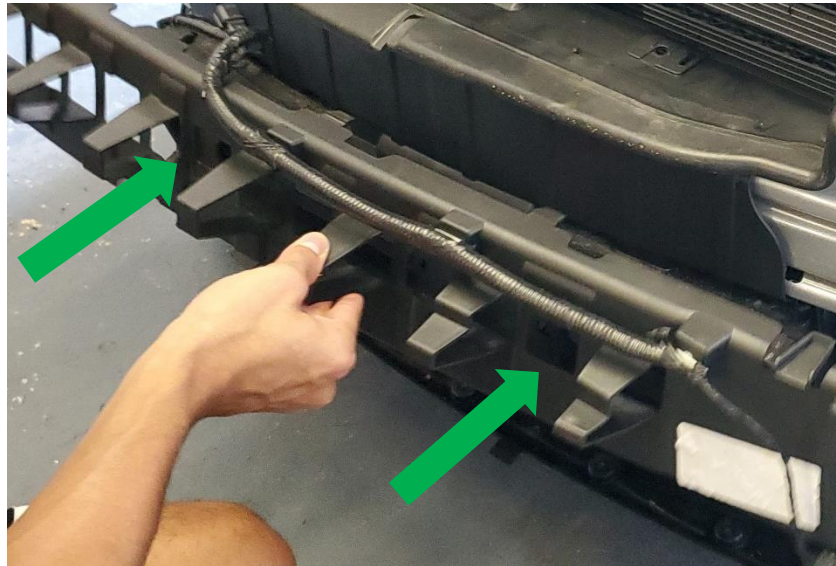
Tighten until nut is flush with body, repeat with the other nut. Then alternate in quarter turns.

**DO NOT OVER-TORQUE. HAND TIGHT IS ADEQUATE.**

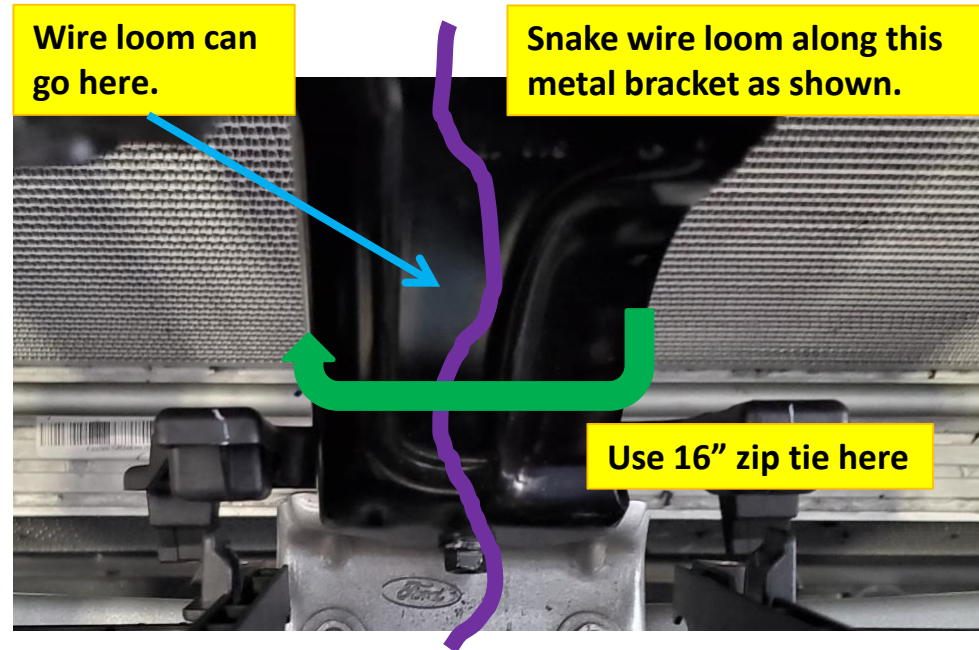


## AGS Removal

Place the plastic trim back onto the crash bar and zip tie the loose wire loom around the sheet metal bracket.



Use the 16" zip ties to fasten the horizontal wire loom to crash bar (not shown).



Wire loom can go here.

Snake wire loom along this metal bracket as shown.

Use 16" zip tie here

**TOP DOWN VIEW**

# Hood Cable Bracket

Use a pry tool to undo the clips underneath the indicated casing.

This bracket was designed to help with airflow to the intake by relocating this obstruction.



After prying off, flip the cable housing upside down as shown.

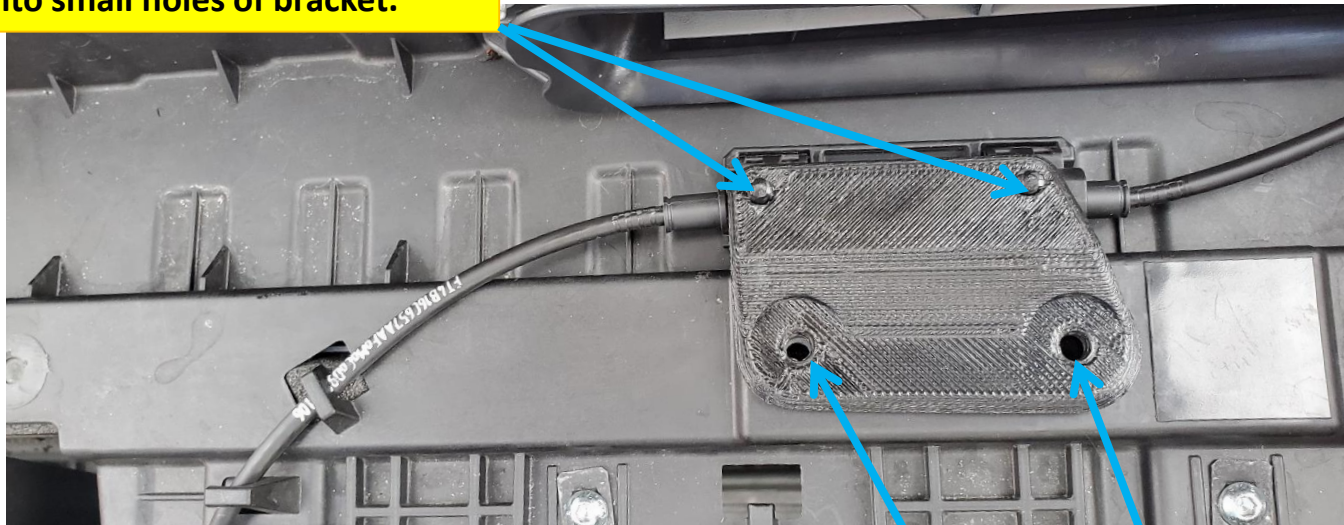




# Hood Cable Bracket

Position the hood latch bracket as shown and fasten using the supplied push pins.

Cable housing shown, upside down and inserted into small holes of bracket.



Insert these clips here.



## Reinstall Bumper

Reinstall the bumper without the AGS the same way it was removed.

