



**2022+ Cadillac CT5-V Blackwing BIG MOUTH  
Ram Air Intake Installation Guide**



## Kit Contents (FULL LIT KIT)

Please review this document before attempting installation.

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

Kit Contents	Qty
#8 x 1/2" Screw	6
Assembled BIG MOUTH	2



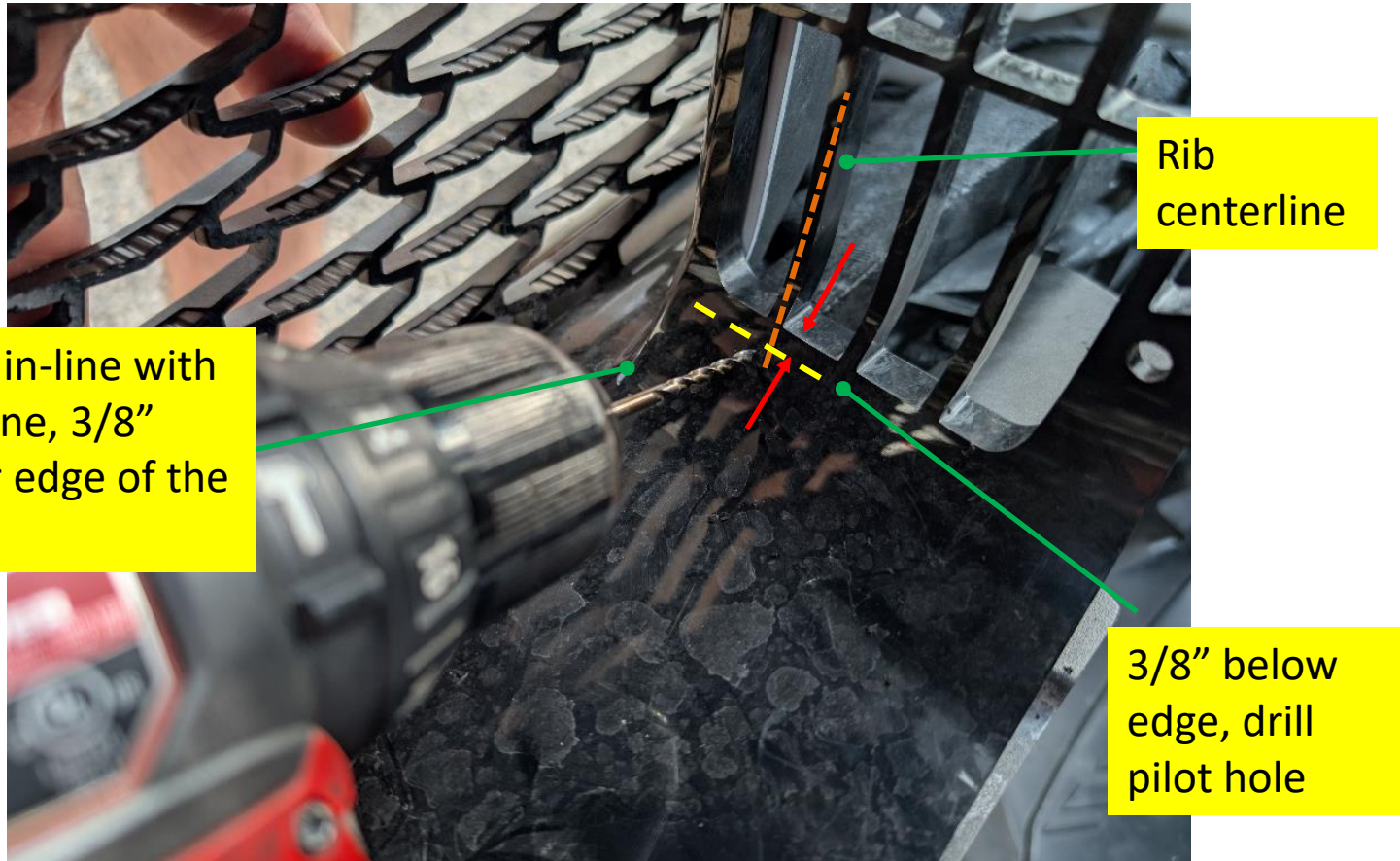


## **Stock Components Removal**

Use the resources available online to research how to remove the bumper for your specific trim level. There is no need to undo the wiring harness. Propping the bumper up with a non-abrasive support while maintaining slack in the wiring harness will suffice for this install.

## Marking 1<sup>st</sup> Hole Location: Passenger Side

There are 6 holes that need to be drilled into the shroud (3 on each side) to fasten the BIG MOUTH intakes. Starting with the inlet on the passenger side, use the indicated vertical rib (closest to grille) as a reference for where the first hole must be. Follow the rib's centerline down to a 3/8" below the rib's termination point. Drill a pilot hole with a 1/8" bit and then size up to a 1/4" hole.



The hole will be in-line with the rib's centerline, 3/8" below the lower edge of the opening

Rib centerline

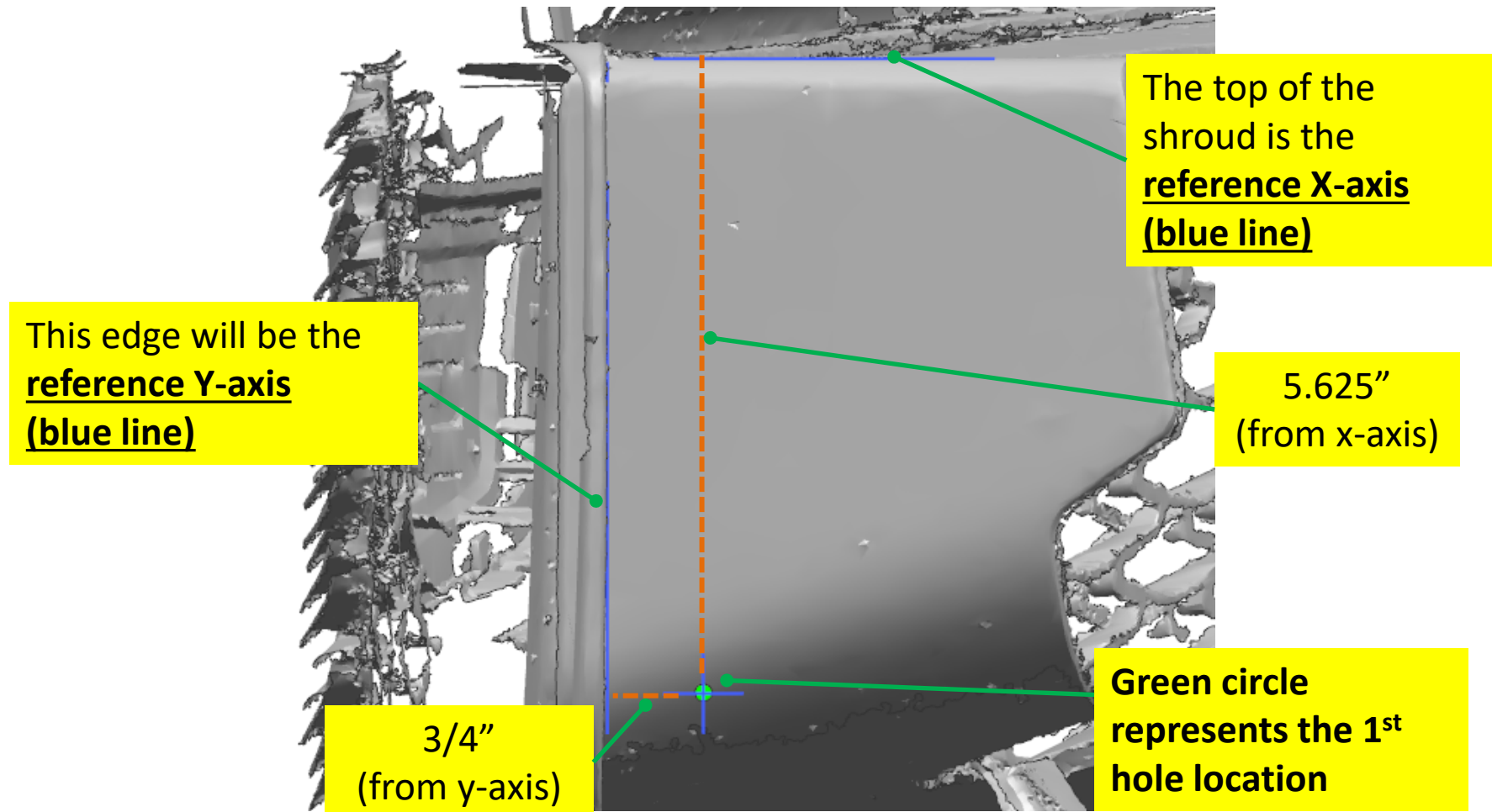
3/8" below edge, drill pilot hole



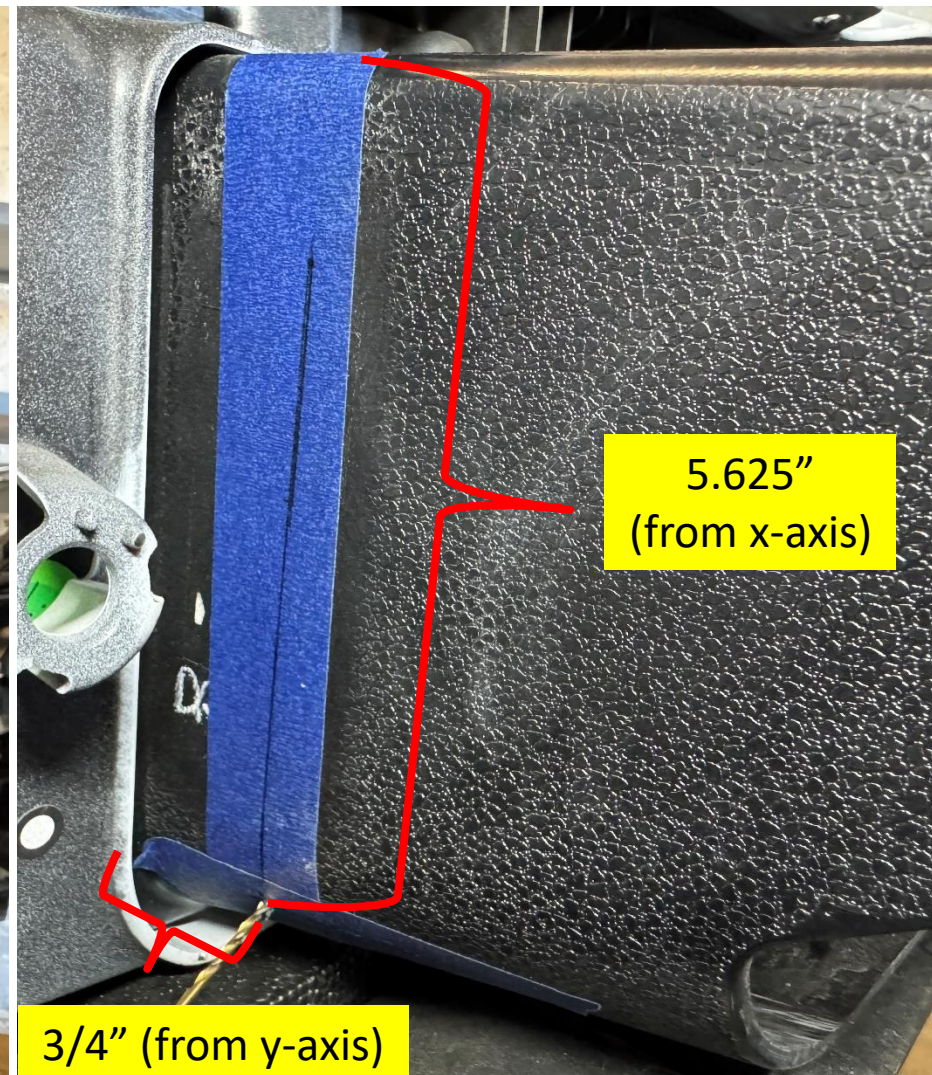
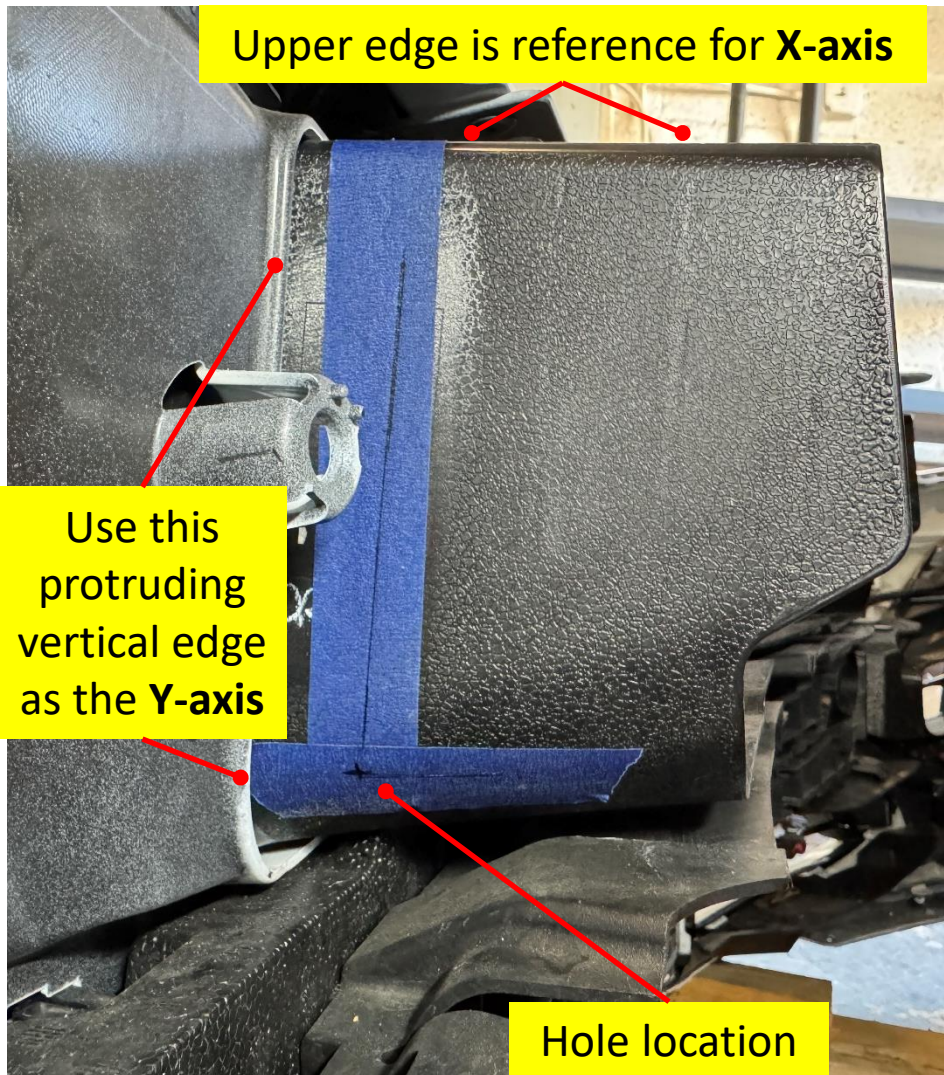
# VELOSSA TECH

## Marking 1<sup>st</sup> Hole Location: Driver Side

The driver side BIG MOUTH will fasten to the wall opposite the inlet. This wall does not have any ribs, so it's best to use a ruler/tape measure and the measurements outlined below. Use the 1/8" drill bit for a pilot hole and size up to a 1/4" hole. Images on next slide.



## Marking 1<sup>st</sup> Hole Location: Driver Side Cont'd



## Drilling Top 2<sup>nd</sup> Hole Location (both sides)

Center your 1/8" drill bit with the center of the indicated hole on the bumper. Once you are confident the drill bit is in line with the center of the hole, drill the pilot hole.

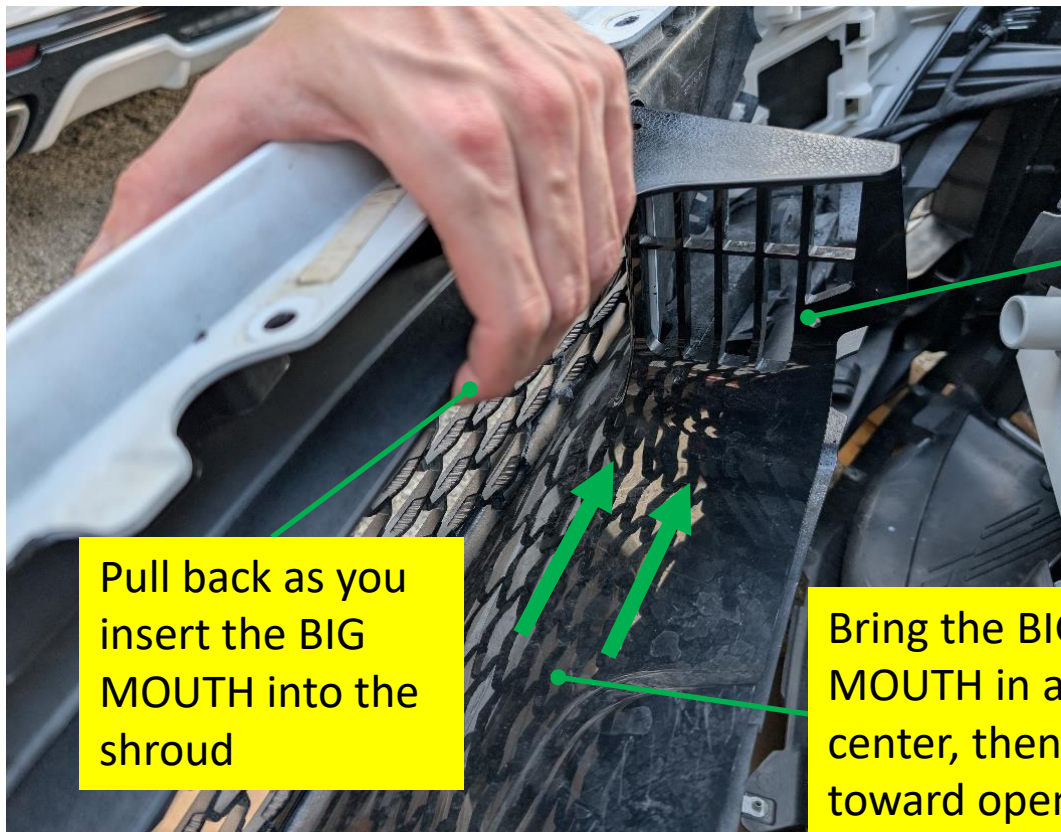
**The BIG MOUTH should not be placed over the opening during this step.** Drill out the 1/8" hole to a 1/4" hole for extra clearance . Repeat for the driver side.



Use the center of this hole as your guide for the top pilot hole.

## Positioning BIG MOUTH for 3<sup>rd</sup> Hole Location

Bring the BIG MOUTH intakes into the shroud behind the grille while pulling up on the upper wall. Start at the center and slide each BIG MOUTH over to their respective side where each will be fastened. Line up the bottom fastening point with the holes that were made in the previous step.



For better airflow, you may trim out the plastic ribs before installation.

Pull back as you insert the BIG MOUTH into the shroud

Bring the BIG MOUTH in at the center, then slide toward opening



## Identifying 3<sup>rd</sup> Hole Location and Drilling

For the last hole, use the BIG MOUTH itself as the reference. Starting with the passenger side BIG MOUTH, line up the intake with the previously drilled holes and the edges of the inlet. Once you are confident everything is lined up, take very small drill bit and mark the shroud. Ensure you make a visible impression that accurately represents the hole position. Move the BIG MOUTH out of the way and drill the pilot hole with the 1/8" drill bit. Double check the hole location and size up to a 1/4" hole. Repeat for the driver side.





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## Hole Locations Finalized





# VELOSSA TECH

## Fastening the BIG MOUTH Intakes

Use the provided round-head #8 screws to fasten the BIG MOUTH intakes to the shroud. The screws are self-tapping and will create threads in the plastic. The ¼" hole is oversized to allow for some adjustability. **BE CAREFUL NOT TO OVERTIGHTEN; THE SCREWS SHOULD ONLY BE HAND-TIGHT.**





## Finalize

Reinstall the bumper the same way it was removed and enjoy!

