



Fiesta ST BIG MOUTH Ram Air Intake Installation Guide



Kit Contents

Please review this entire document before attempting installation.

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

Please review the table below and make sure you have received the kit contents.

Kit Contents				
Description	Size	Length	Qty	Material
Hex Head bolts	M6	65mm	1	Stainless steel
Locknut	M6	NA	1	Stainless steel
Big Mouth Snorkel	NA	NA	1	ABS





Stock Bumper Removal

Remove the bumper by visiting this link and following the direction. There are also a few youtube videos that illustrate how to remove the bumper.

<http://www.fiestafaction.com/forums/threads/35218-Front-Bumper-Removal-w-pics>

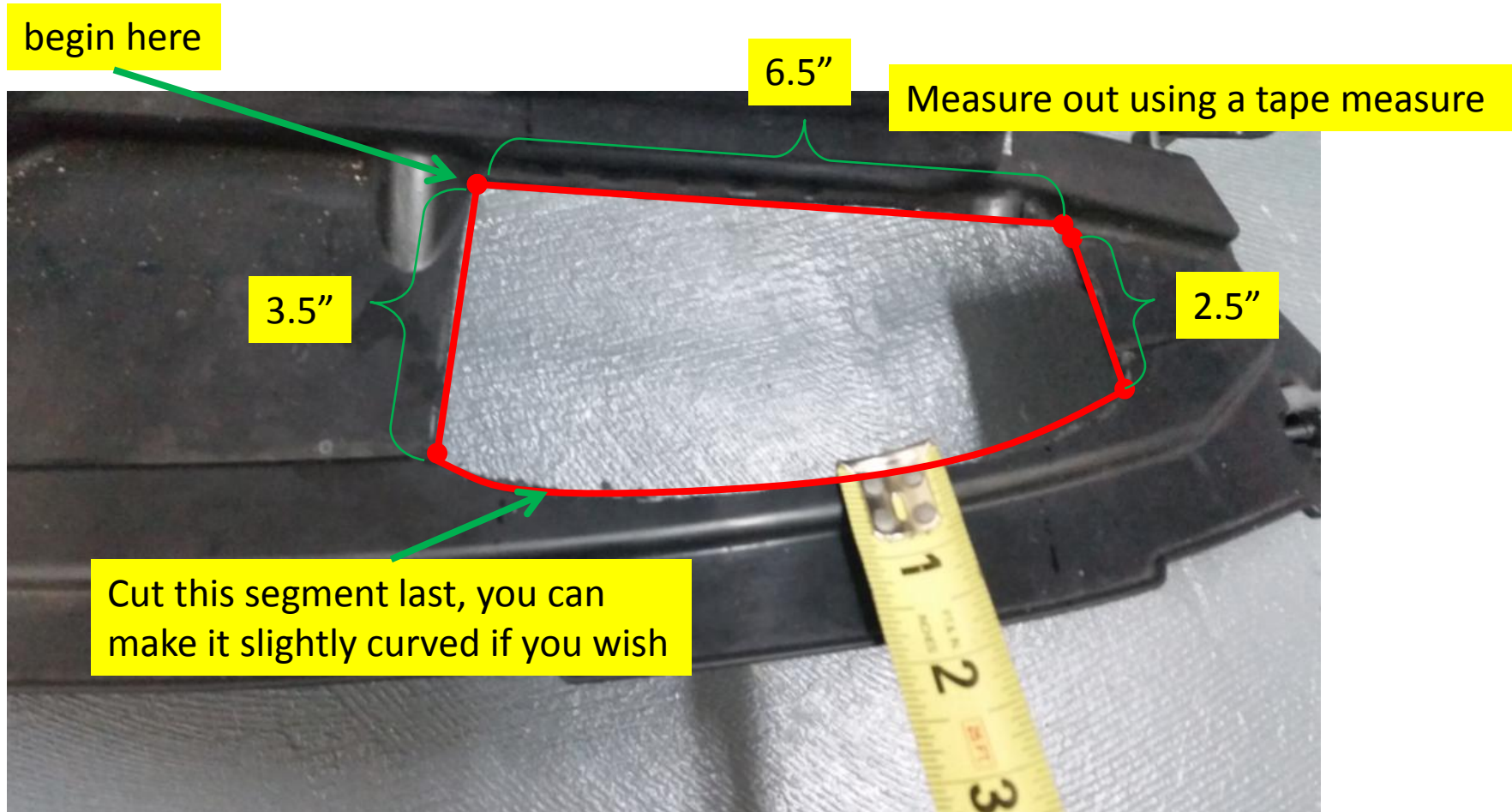
Stock Shroud

Locate the stock shroud and find this bump.



Stock Shroud

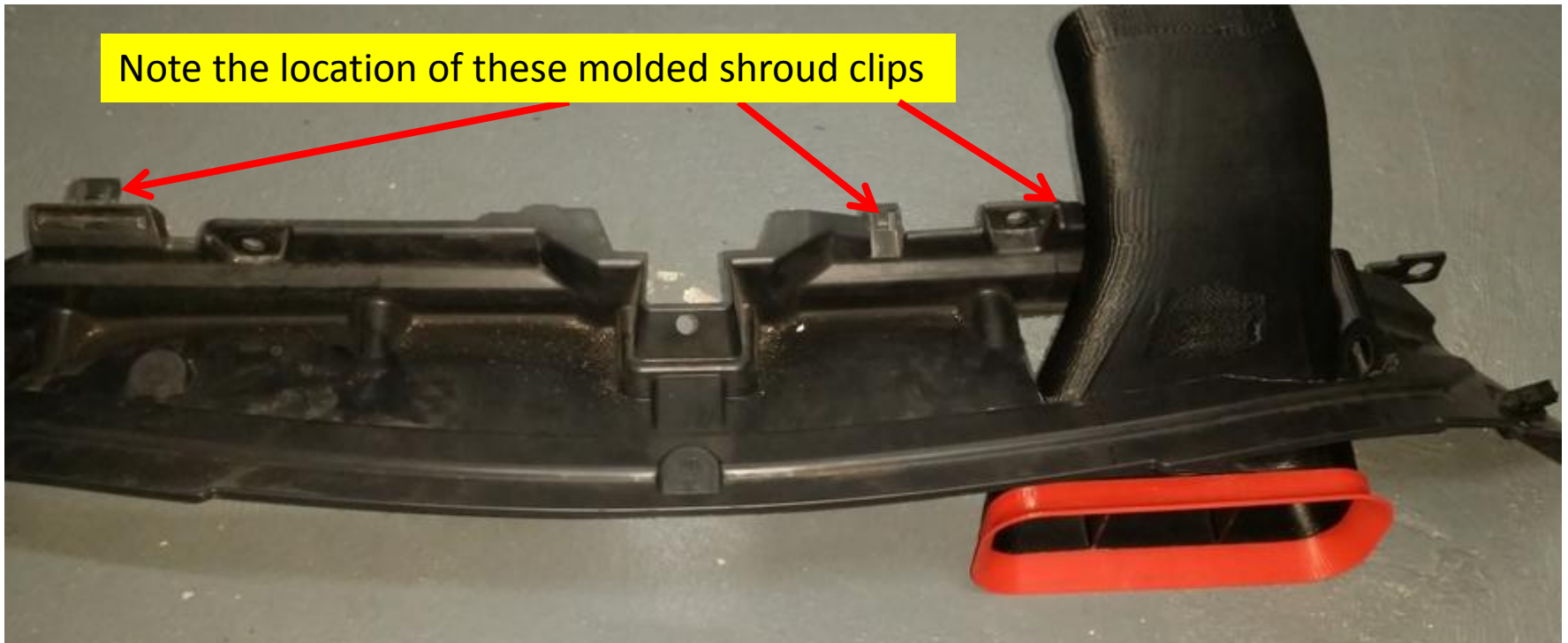
It is best to cut a hole in the stock radiator shroud.
Use the following dimensions for your cut.





BIG MOUTH Installation Procedure

Begin by placing the big mouth through the shroud first, this makes it easy to line everything up.



Note the location of these molded shroud clips

Place the shroud and intake back on the car as a unit, do not put the push-clips back in yet. You will need the shroud to be a little loose so you can work. (You may want to clip it in using the tabs that are molded on the back of the shroud)



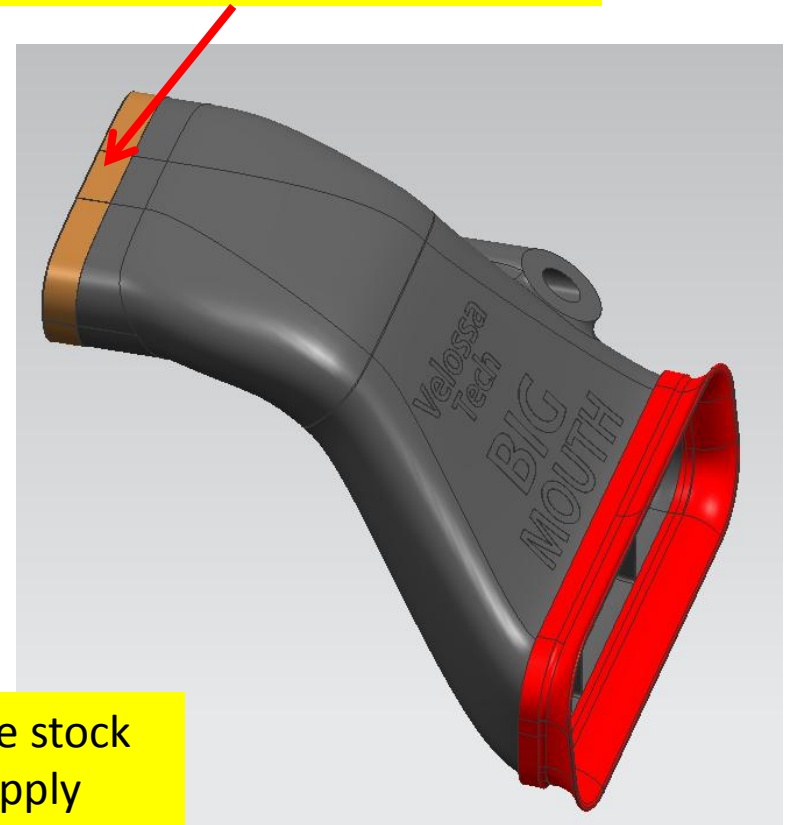
BIG MOUTH Installation Procedure

Raise or cut off these vampire teeth.



Keep everything loose, slide the intake into the stock port after it has been lubricated. You may to apply light pressure to slide it into the stock gasket.

Apply a small film of grease or dish soap to the last inch of duct



BIG MOUTH Installation Procedure

Once back on the car, this next part will require some patience. Place the nut in your hand and hold it between two fingers. Position it behind the hole, see the next slide.

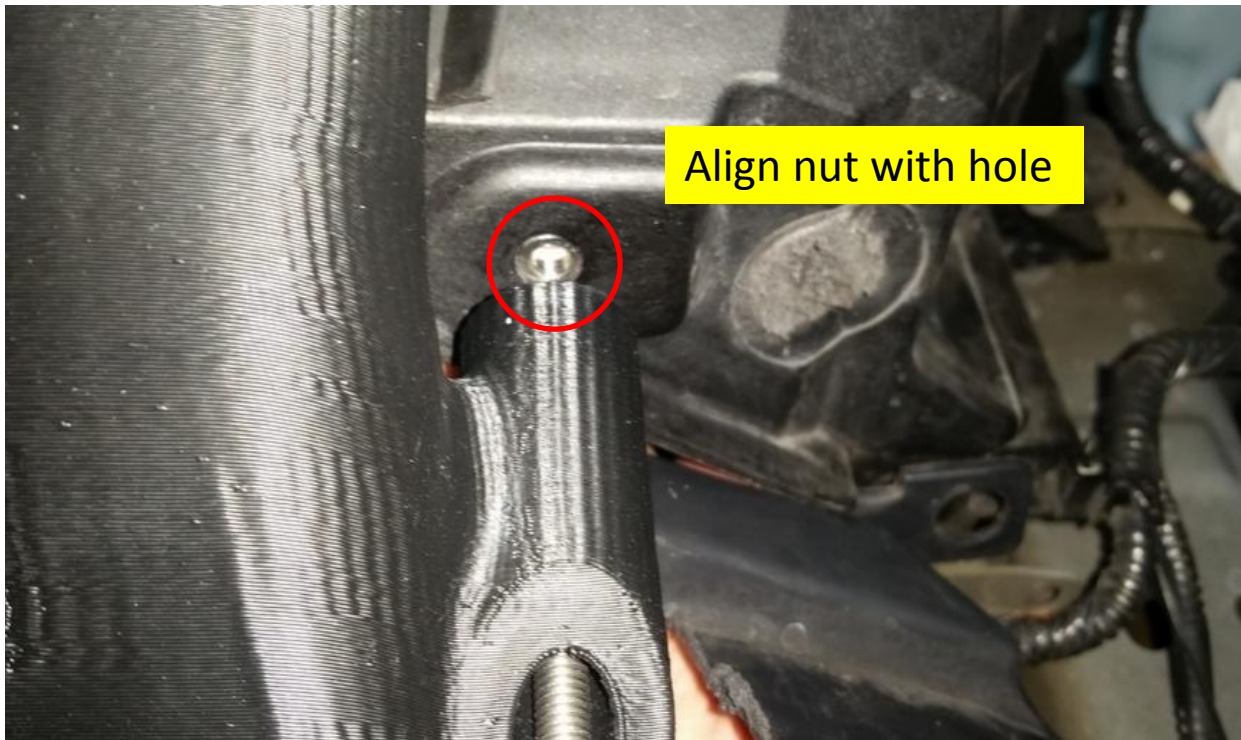


You may want to place the 65mm bolt in the fastening boss to prepare for alignment.



BIG MOUTH Installation Procedure

Once you align the nut and the hole, use your other hand to begin to engage the threads in the nut, everything can remain loose.



Use caution not to drop the nut, it is best to place a towel or buffer object below your hand. A second nut is included in the kit just incase you lose it.

BIG MOUTH Installation Procedure

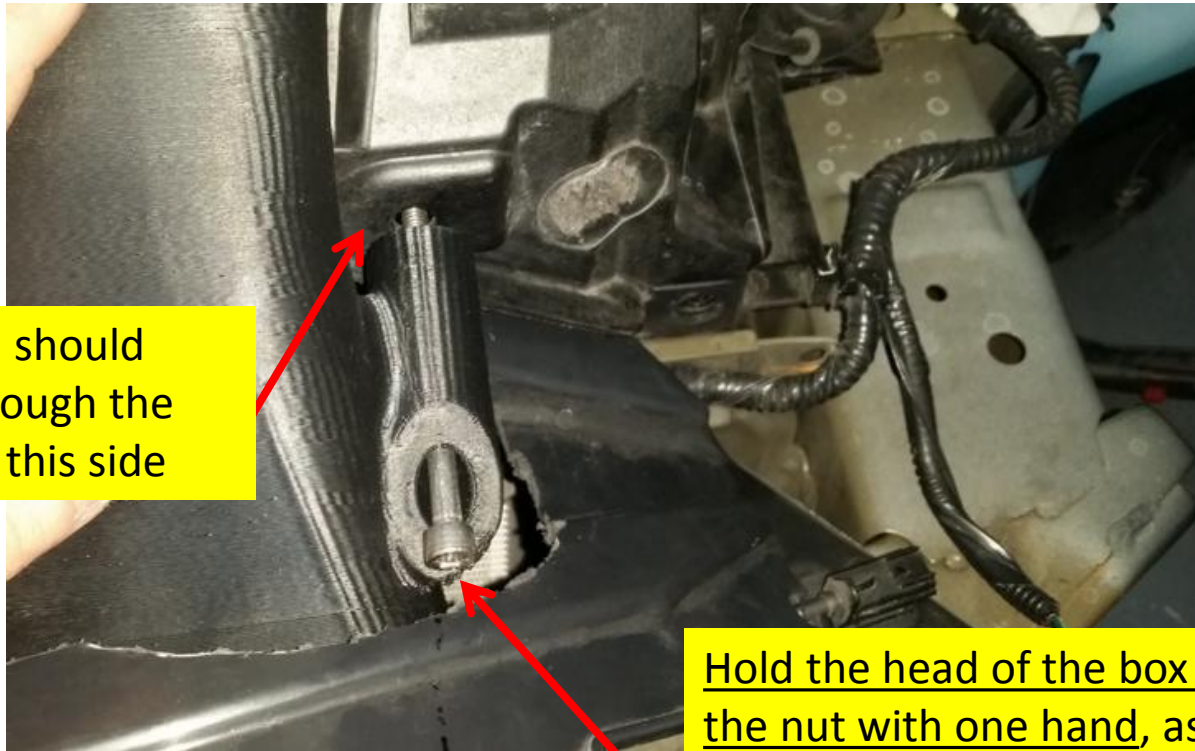
Nut is supported by one hand, other hand should begin to thread the bolt. Nothing should be tight yet.



Push the bolt in and begin threading by hand as you support the nut on the backside.

BIG MOUTH Installation Procedure

Once you get a few threads engaged, use a 9mm box wrench or 9mm ratchet to secure the nut as you tighten the bolt with a 5 mm allen wrench.



Box wrench should come in through the bottom, on this side

Hand tight is acceptable (snug), do not overtorque.

Hold the head of the box wrench over the nut with one hand, as you tighten the allen wrench with your other hand.



Finalize

Re-assemble the shroud, push pins, screws, bumper and headlights in reverse order.



Enjoy your BIG MOUTH!!