



GrimmSpeed Install Guide Series  
02-07 WRX/STI, 04-08 FXT Intake  
Updated 11/19/18



### **Introduction:**

This install guide will walk you through installing the GrimmSpeed 02-07 WRX/STI, 04-08 FXT Intake. The install is relatively easy and will take the average person around 460 minutes. Take your time and enjoy the process! If you prefer a video walkthrough, one can be found on the GrimmSpeed website or Youtube Channel.

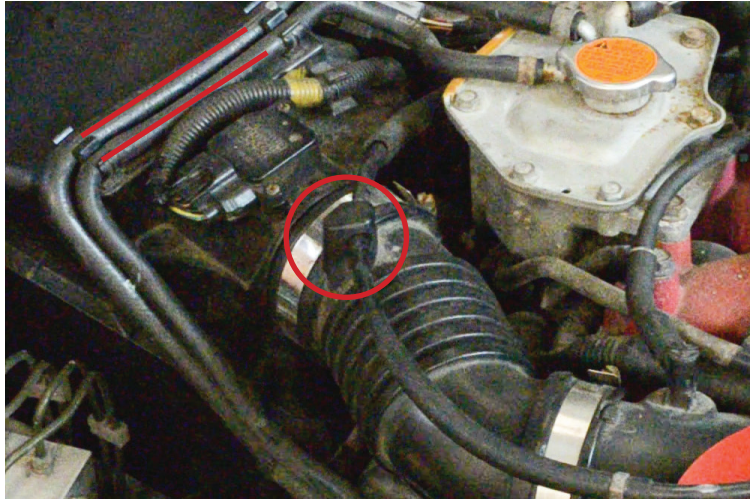
### **Tools:**

The tools listed below are suggested for this task.

- 10mm, 12mm, 13mm Sockets
  - 1 ft of Socket Extensions
- Phillips and Flathead Screwdriver
  - 3mm Allen Wrench
  - 10mm Box Wrench
  - Needle Nose Pliers

## Removing OEM Airbox and Snorkus/Resonator Assembly

1. Start by unclipping the throttle cable and coolant lines and moving them to the side.



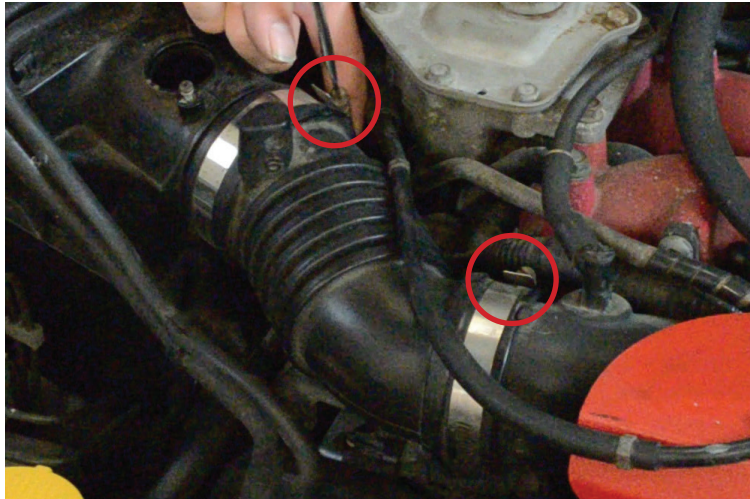
2. Unclip the MAF Sensor connection from the airbox and move it out of the way.



3. Using a phillips head screwdriver, remove the two MAF screws and pull the sensor out.



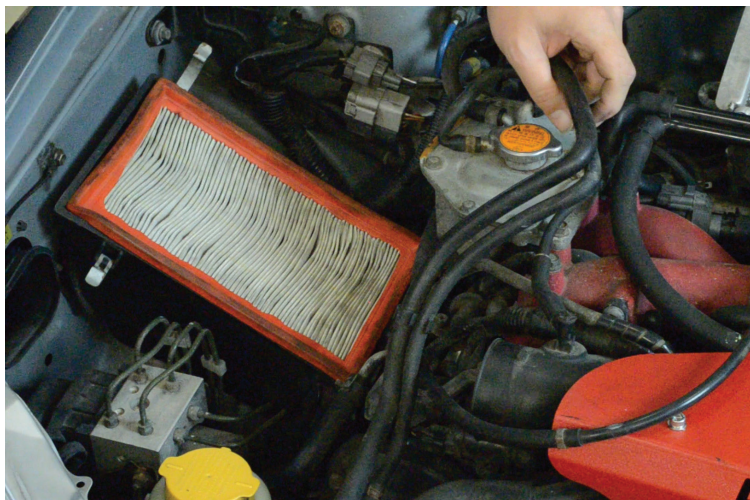
4. Using a flat head screwdriver, loosen the two OEM hose clamps on the stock intake elbow.



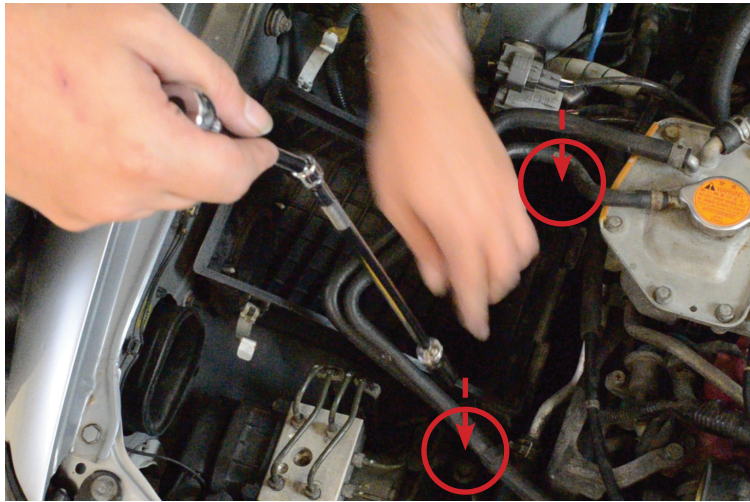
5. With the clamps loose you can pull the elbow off and set it aside.



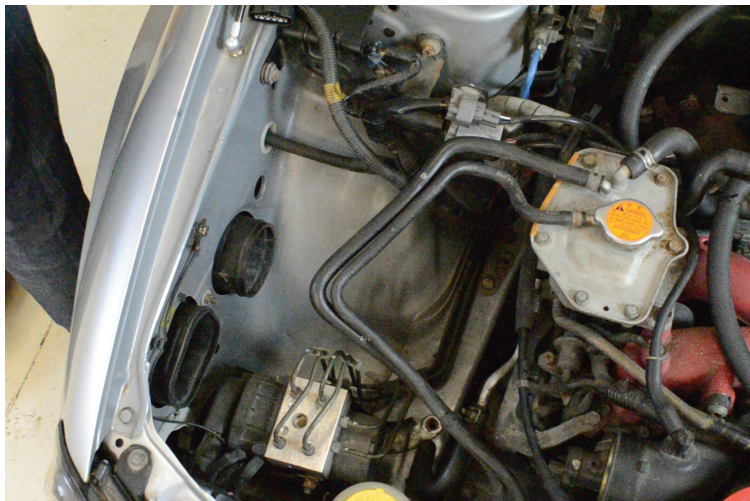
6. Unclip the lid fasteners from the airbox and remove the top so you can see the filter.



7. Remove the old filter and set it aside.
8. Locate the two 12mm bolts that are holding the airbox in the bay.



9. Using a 12mm socket with an extension, remove the two bolts and pull out the airbox.



\*The Next Step - Removing the Snorkus/Resonator assembly is optional. We do recommend removing the unit as it will allow for more airflow after the install of the GrimmSpeed unit.

10. Using a 10mm socket, remove the top bolt that holds the resonator in place.



11. Push the snorkus/resonator assembly into the inside of the fender so you can remove it from under the car.



12. From underneath the car remove the other bolt holding the snorkus to the chassis and pull the unit out.



## Prepping GrimmSpeed HeatShield

13. Grab your new heatshield and bag of rubber gasket. Included in the bag are 3 different lengths of bulb gasket. Use the shortest piece and apply it to the round intake pipe opening.

\*Be sure to press the rubber bulb gasket on firmly making sure it is fully seated.

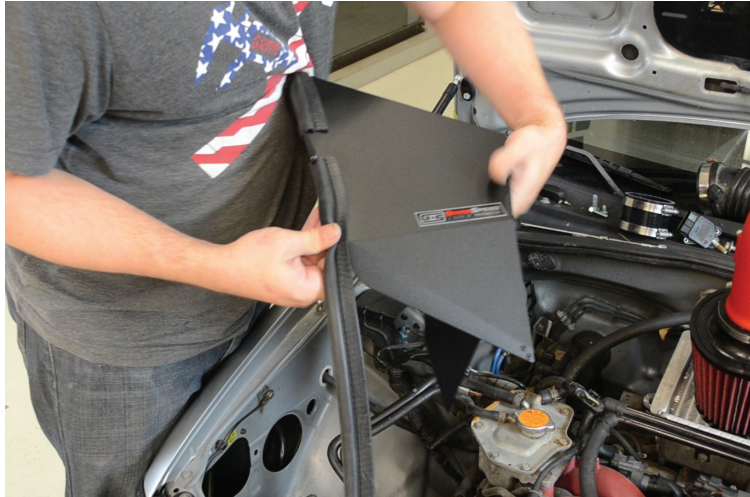


14. Grab the second longest piece of bulb gasket and apply it to the back of the heat shield.

\*The hardest part of installing the bulb gasket can be when you hit the corners. Open the gasket with your fingers, making sure it is pressed all the way in. Then fold around the corner and continue to follow the edge until you reach the end.



15. Take the last piece of bulb gasket and install it on the top facing edge using the same technique as you did for the other pieces.



### Prepping the Intake Pipe and Filter

16. Grab your new Intake Pipe and Oiled Filter. Loosen the worm clamp on the filter enough to slide the intake pipe into the hole. Make sure the filter only covers the first weld on the intake pipe. You do not need to go farther than the first weld.

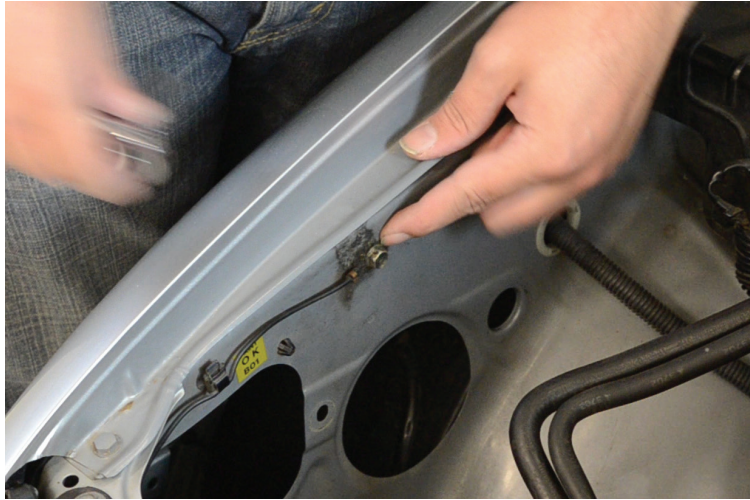


17. Take your heatshield and insert the intake pipe into the hole.



18. Using a 10mm socket, remove the grounding bolt and washer. Set them aside.

\*Some chassis' may not have this grounding wire, but the hole should be there.



19. Take the whole intake assembly and carefully put it into place. Make sure all the mounting holes are aligned and the heatshield is seated correctly.



20. Your kit comes with two new 13mm bolts. Thread these with your fingers to hold everything in place. When re-installing the ground wire and bolt make sure to do it in the correct order...  
Chassis > Washer > Groundwire > Heatshield > Bolt.

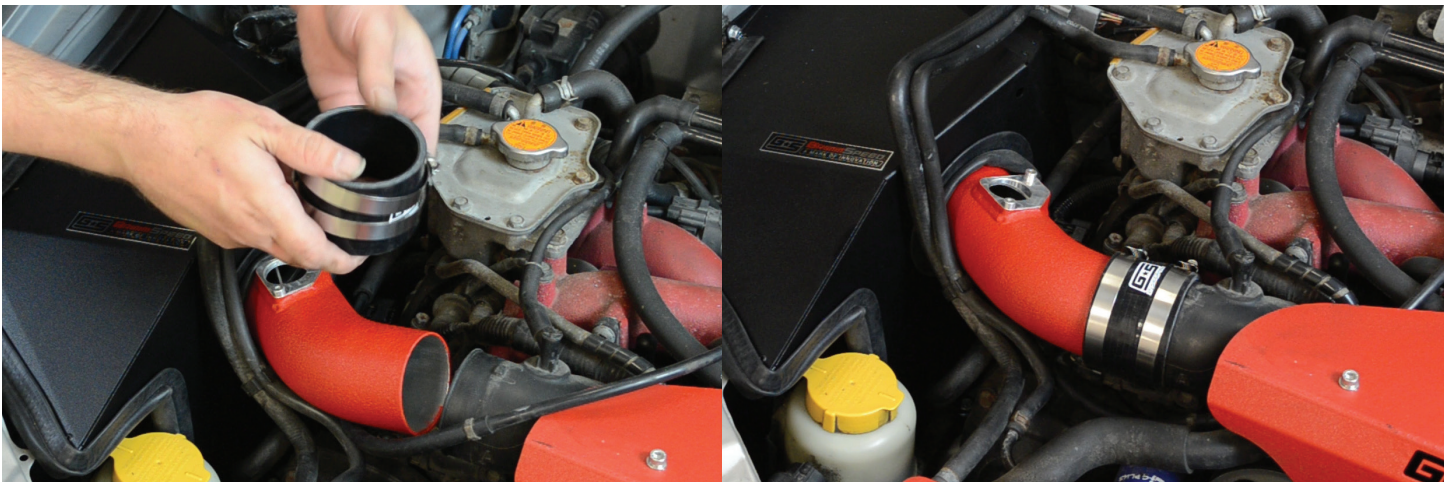


21. With everything in place, go back and securely tighten the 3 bolts.

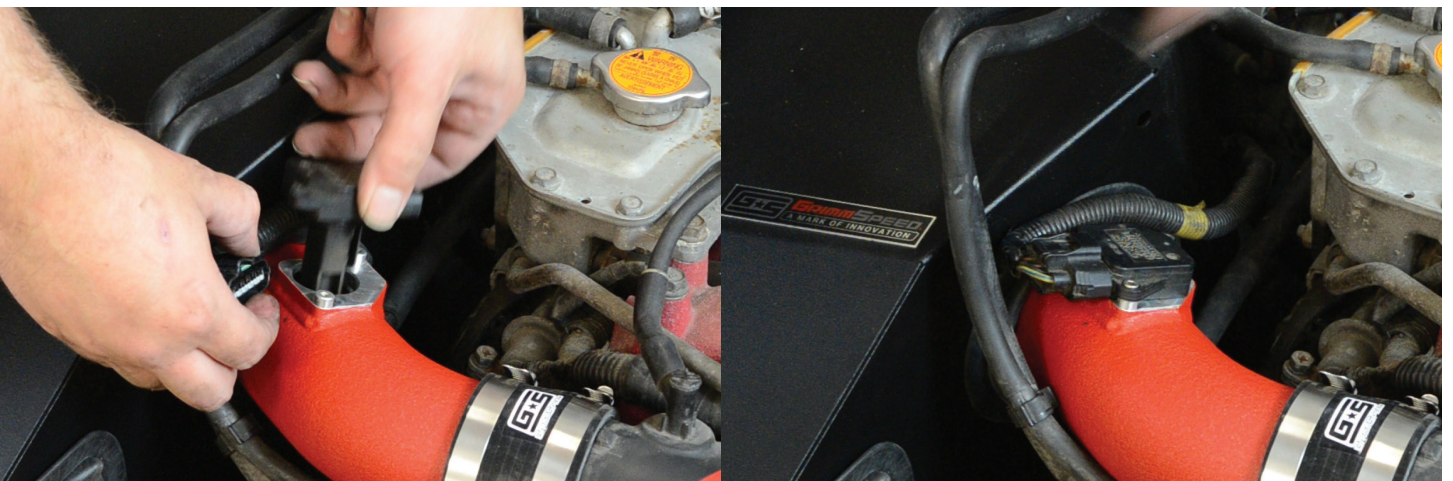
\*Make sure the MAF harness isn't pinched between the chassis and the heatshield



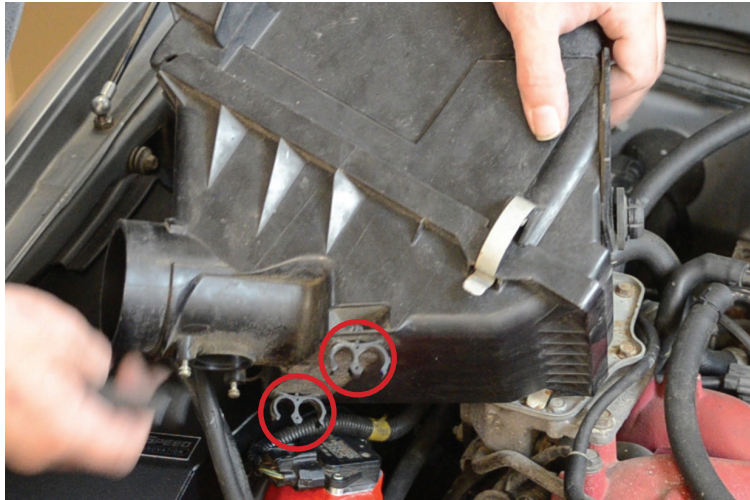
22. Grab the included silicone coupler in your kit and install it onto the intake pipe, then attach the other side to the turbo inlet and tighten the clamps.



23. Insert your MAF sensor into the bracket and push in until it's seated. Use the two 3mm allen head bolts included in your kit to secure it place, then plug the MAF sensor harness into the MAF.



24. The OEM Airbox has two removable coolant hose clips. Use a needle nose pliers to remove the clips and set them aside.



25. Take the clips and press them into the two holes on the side of the GrimmSpeed Heatshield.



26. Press the coolant hoses into the clips and organize them neatly.

\*Optional: Trim the excess coolant hose shorter to make the install a little cleaner.



After installation of a GrimmSpeed Intake we always recommend having your car protuned. Although we have kept the MAF diameter the same as stock and included features like the air straightener, which helps to increase the accuracy of the airflow reading, the fact is that the lower restriction from the intake will increase boost levels. Therefore a tune is strongly recommended.

-Chase Trogen

Lead GrimmSpeed Engineer

If you have any further questions, don't hesitate to email or give us a call.

[support@grimmspeed.com](mailto:support@grimmspeed.com)

612.379.0000