

AMS PERFORMANCE 2022+ SUBARU WRX AIR INTAKE

INSTALL INSTRUCTIONS

Subaru WRX 2022+ (VB)

Introduction ///

The goal of AMS Performance is to provide the highest quality, best performing products available. By utilizing research and development, and rigorous testing programs AMS Performance will never compromise the quality or performance of our products. In addition, AMS Performance will only provide the finest customer service offering only parts and advice that are in the best interests of the customer. AMS Performance was built on a foundation of integrity. This is who we are. This is what you can count on.

A vehicle modified by the use of performance parts and tuning may not meet the legal requirements for use on public roads. AMS Performance makes no claims of compliance unless otherwise stated on a per-product basis. Use or installation of performance parts and tuning may adversely affect the drivability and reliability of your vehicle, and may also affect or eliminate your insurance coverage, factory warranty and new OEM part warranty. There is no stated or implied guarantee by AMS of continued OEM vehicle warranty, insurance coverage, or emissions compliance, due to the stress placed on your vehicle by performance parts and our inability to monitor its use, tuning or modification.

These instructions are not intended to be a comprehensive guide for installation as there are many variables that may affect your particular vehicle, including but not limited to model year differences, sub-model/trim/optional equipment differences, the presence of non-OEM parts, or other modifications that may have previously been completed. A basic understanding of automotive parts and systems and novice mechanical skills should be all that is necessary for installation, but certain circumstances may necessitate professional installation.

AMS Performance is committed to providing quality support for our products. If you are in need of technical support, installation help, or a replacement component, our Customer Service Team is available directly via telephone at 847-709-0530, or digitally via the contact form linked here: amsperformance.com/support

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5. AMS Intake Install
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STOCK INTAKE REMOVAL **///**

1. Remove stock intake duct. (2) phillip head clips secure the duct (Figure 1).

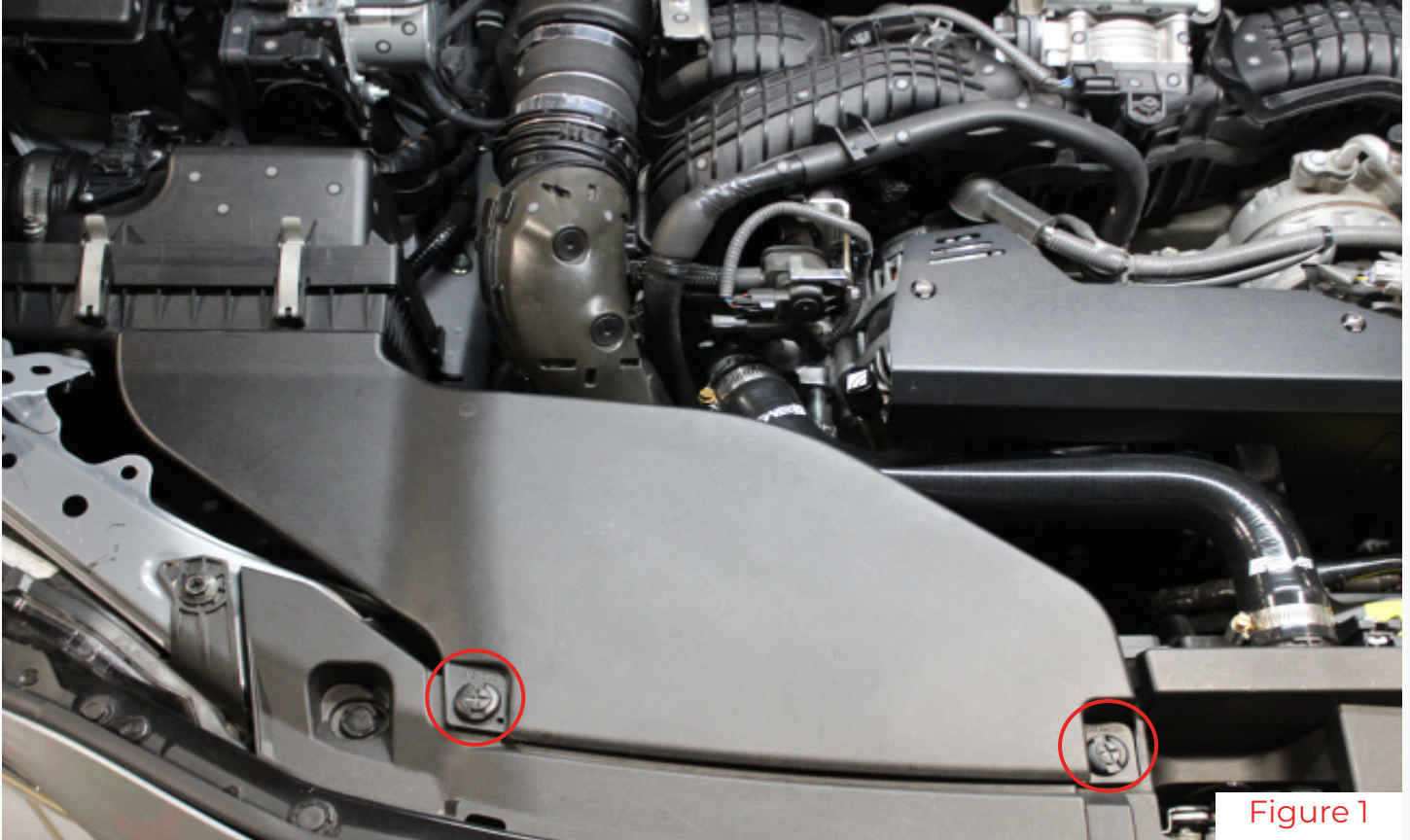


Figure 1

2. Unplug the MAF sensor and unclip it from the factory airbox (Figure 2).



Figure 2

3. Remove the (2) 10mm bolts on the engine side of the factory intake box (Figure 3).

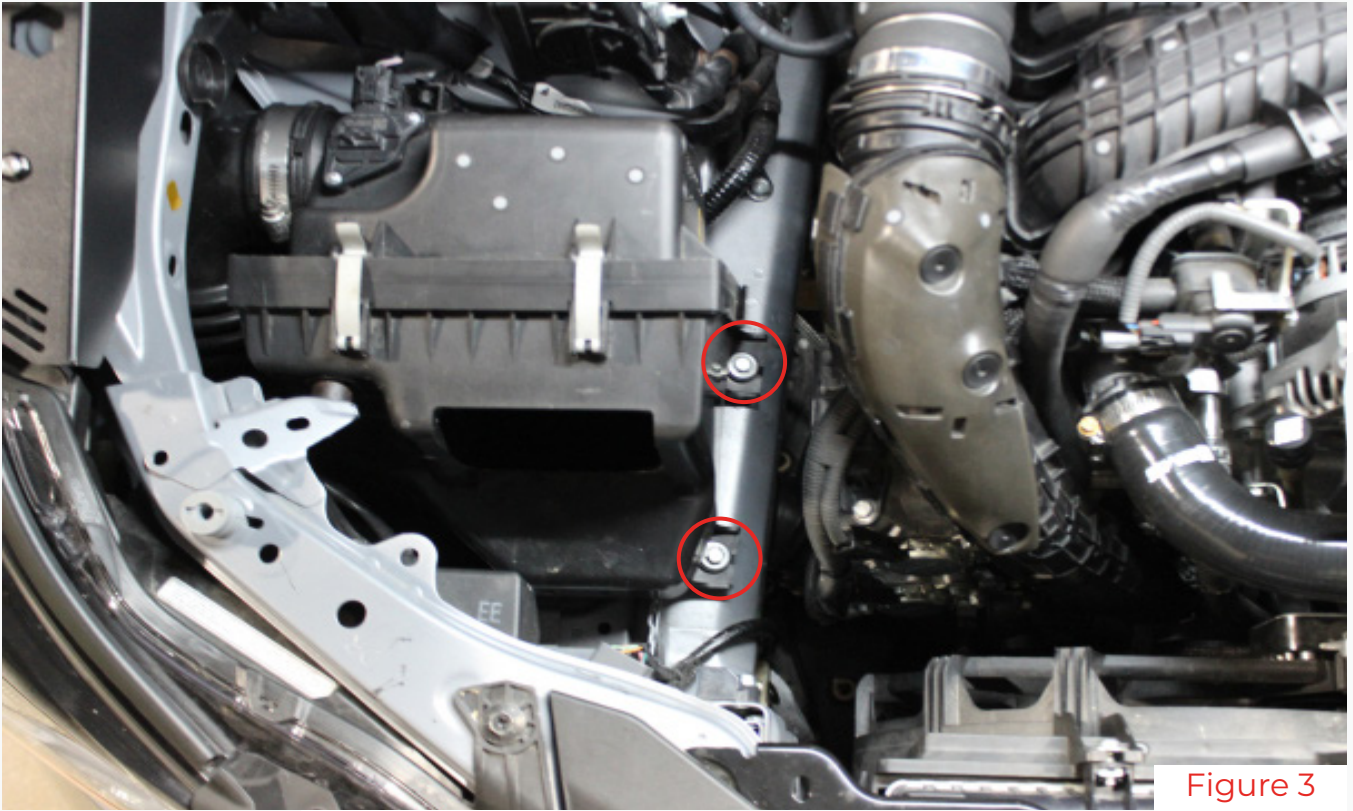


Figure 3

4. Remove the 10mm nut at the front of the factory air box (Figure 4).

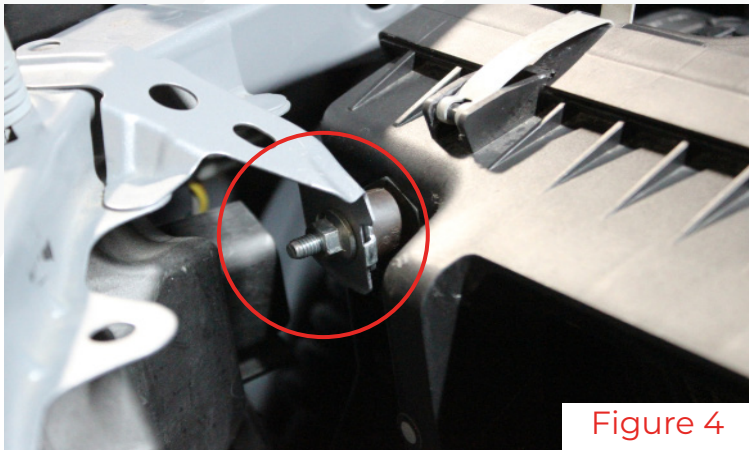


Figure 4

5. Loosen the worm clamp attaching the factory airbox to the intake tube. Remove the air box (Figure 5).

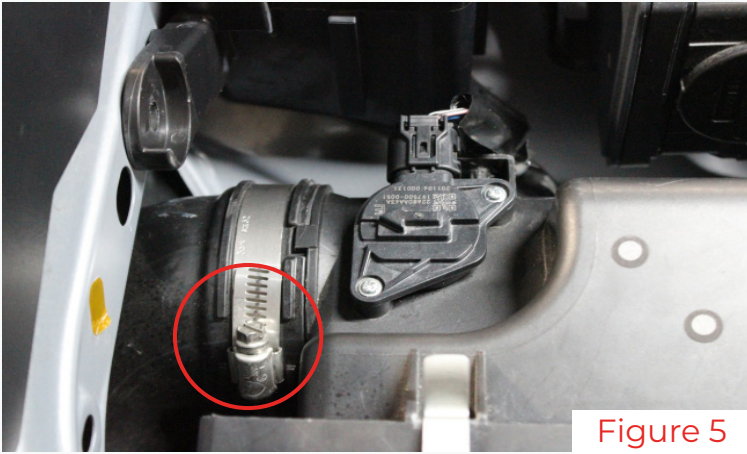


Figure 5

6. Remove the 10mm nut attaching the intake tube to the chassis bracket (Figure 6 & 7).

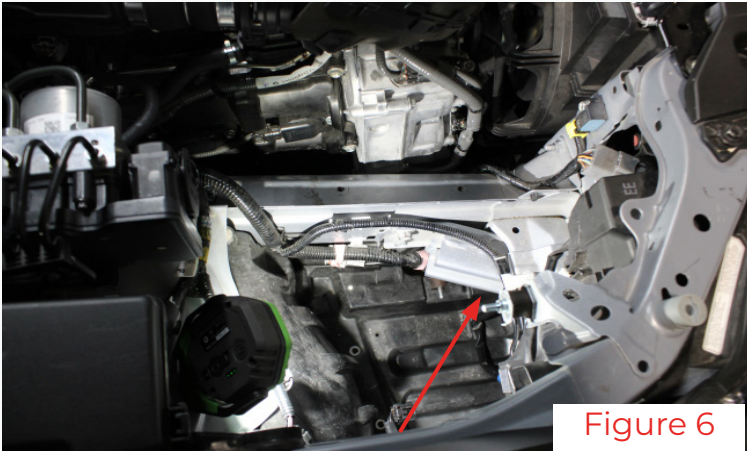


Figure 6



Figure 7

7. Loosen the worm clamp attaching the tube to the turbo inlet. Remove the intake tube (Figure 8).



Figure 8

AMS INTAKE INSTALL **///**

8. Prepare the AMS intake for install by removing the factory MAF sensor from the factory intake box. (2) phillips head screws secure the sensor to the box (Figure 9).

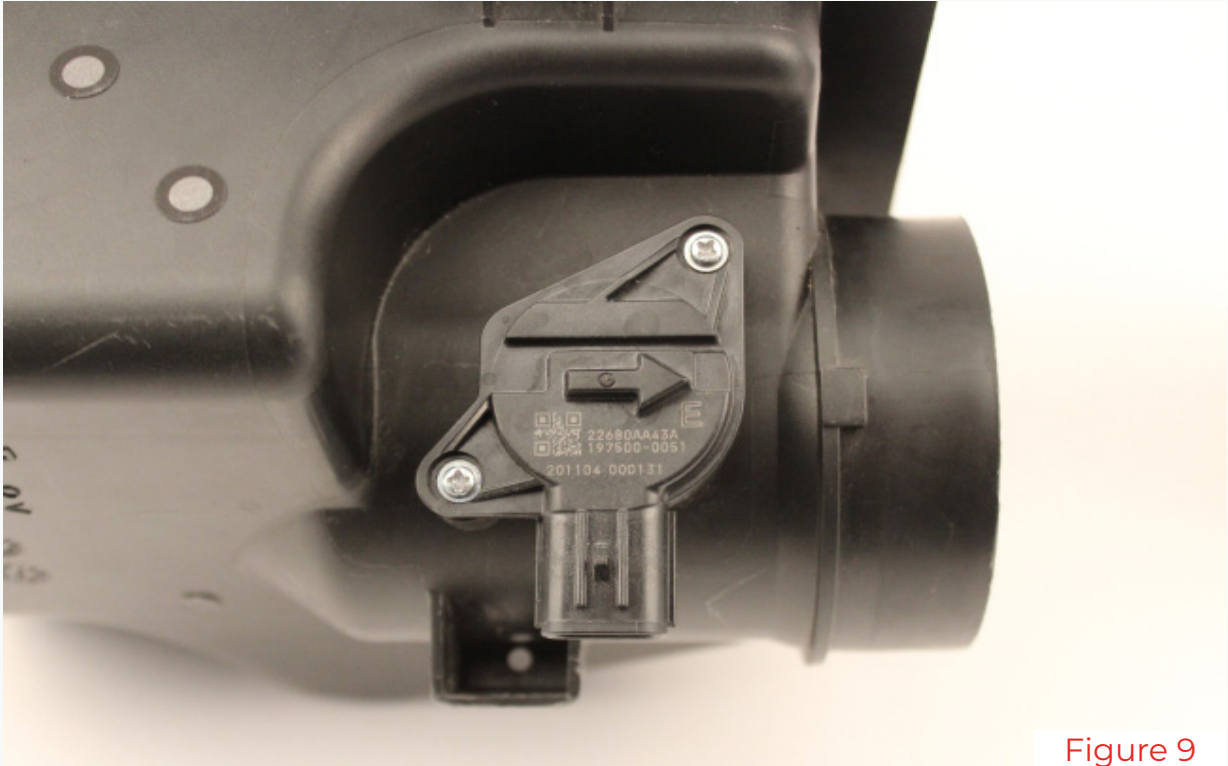


Figure 9

9. Install the sensor into the AMS MAF adapter using the provided screws. **DO NOT ATTEMPT TO REUSE THE FACTORY SCREWS AS THIS WILL DAMAGE THE AMS MAF ADAPTER** (Figure 10).



Figure 10

10. Attach the AMS MAF adapter to the mounting bracket using the provided bolts (Figure 11). See (Figure 12) for correct orientation.

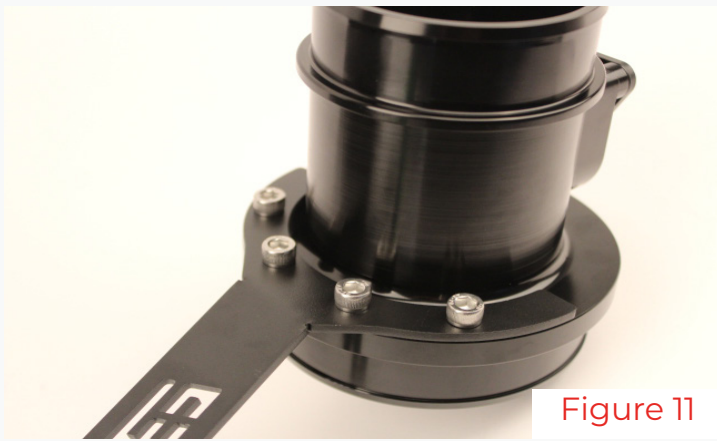


Figure 11



Figure 12

11. Install the turbo inlet silicone onto the turbo inlet. Line up the notch on the silicone with the notch on the turbo. Tighten the band clamp on the inlet side (Figure 13).

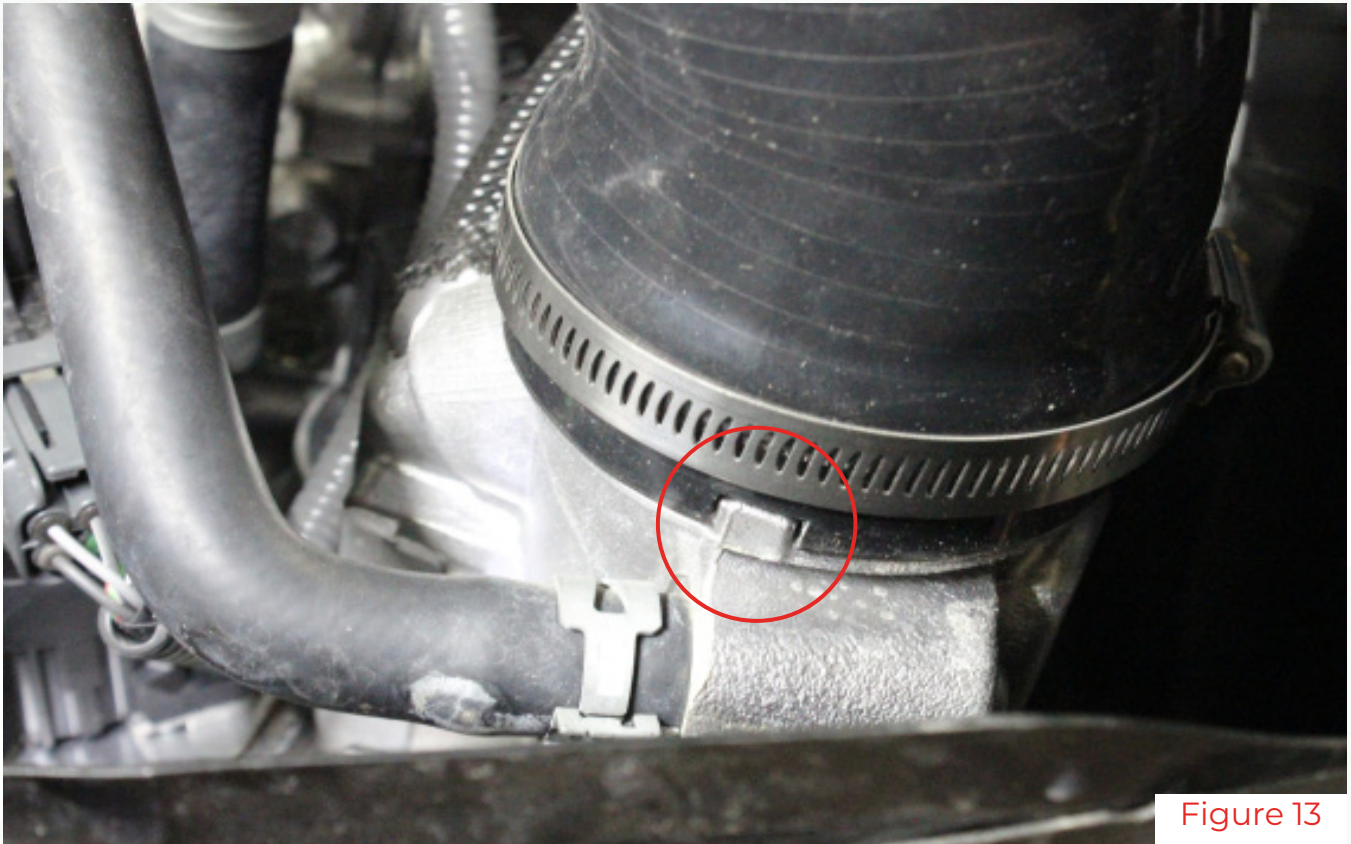


Figure 13

12. Install the AMS intake tube onto the silicone, position the bracket in the same place as the factory intake tube. Reuse the factory nut to secure it in place (Figure 14).



Figure 14

13. Install the intake tube to MAF adapter silicone (Figure 15) be sure to push in all the way onto tube until it bottoms out on the internal step (Red arrow Figure 16). This silicone can be installed either way, leave the clamps loose for now to allow for easy adjustment (Figure 17).



Figure 15

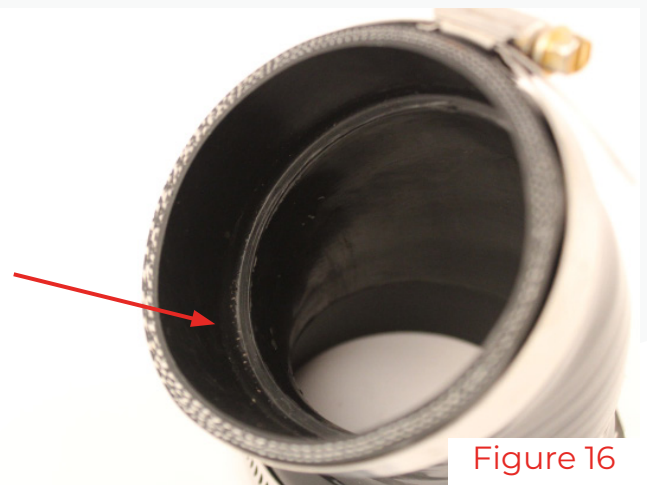


Figure 16



Figure 17

14. Install the filter onto the MAF adapter and install the MAF assembly onto the intake tube silicone again making sure to bottom it out on the internal step (Figure 18).

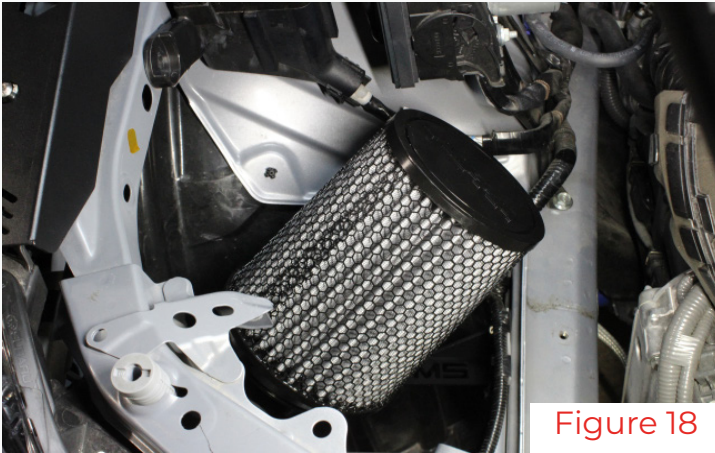


Figure 18

15. Line up the MAF adapter bracket with the two holes on the chassis (Figure 19 & zoomed in view figure 20). Use the provided bolts to secure the bracket (Figure 21).

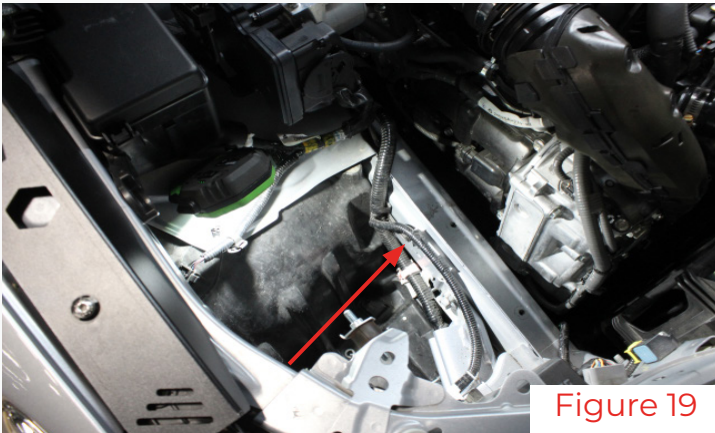


Figure 19

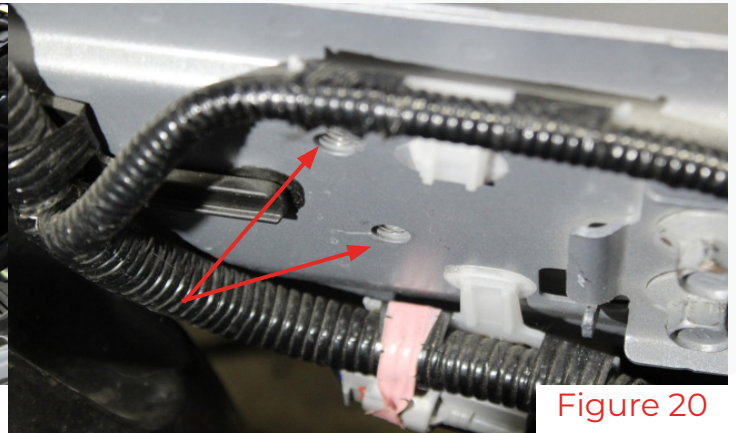


Figure 20



Figure 21

16. Install the MAF extension harness, make sure the connectors are fully seated (Figure 22 & 23).



Figure 22



Figure 23

17. Using the provided edge clip cable tie, attach the harness extension (Red arrow in Figure 24) to the circled area (Figure 24). (Figure 25) shows a zoomed in image of where to attach the cable tie.

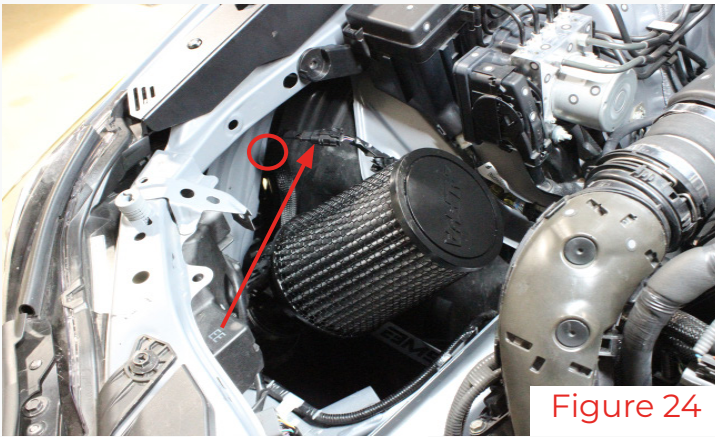


Figure 24



Figure 25

18. Tighten all clamps and bolts (Figure 26). This completes the install. Please enjoy your new AMS Performance WRX Intake System.

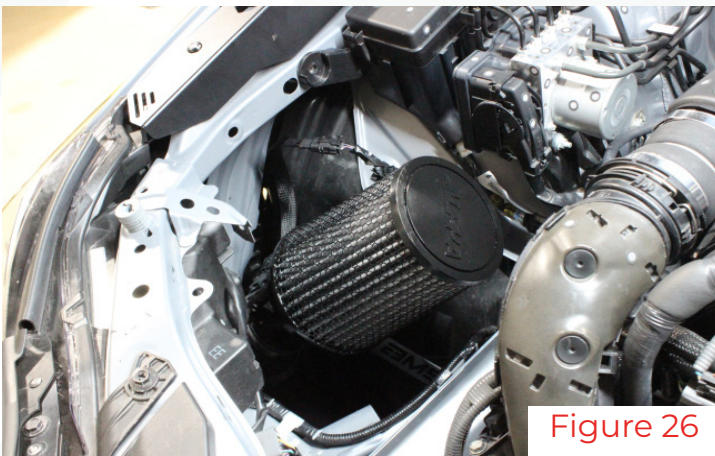


Figure 26

AMS INTAKE DUCT AND SHROUD INSTALL **///**

1. To start, you will need a few components from the stock airbox (Figure 27). Remove the (2) rubber grommets at the base and also the rubber isolator (Figure 28) .



Figure 27



Figure 28

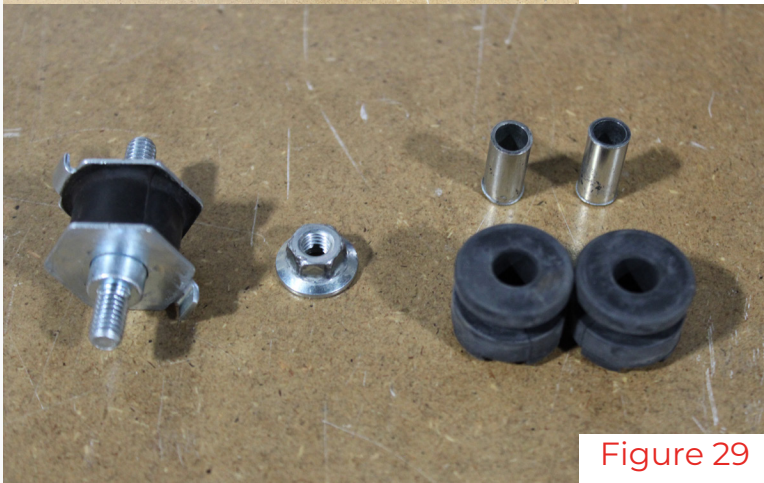


Figure 29

2. Install the rubber grommets into the AMS Intake Shroud (Figure 30 & 31).

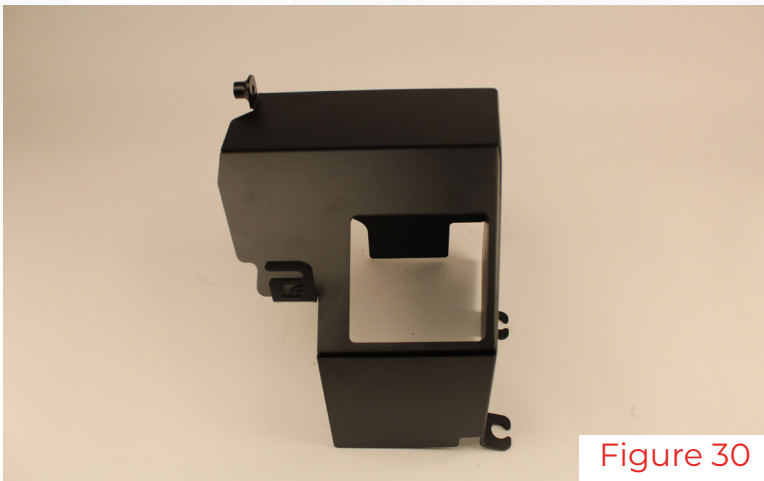


Figure 30



Figure 31

3. Reusing the small M6 nut to mount the isolator (Figure 32) back on the vehicle bracket where it came out of but on the reverse side (Figure 33 & 34).

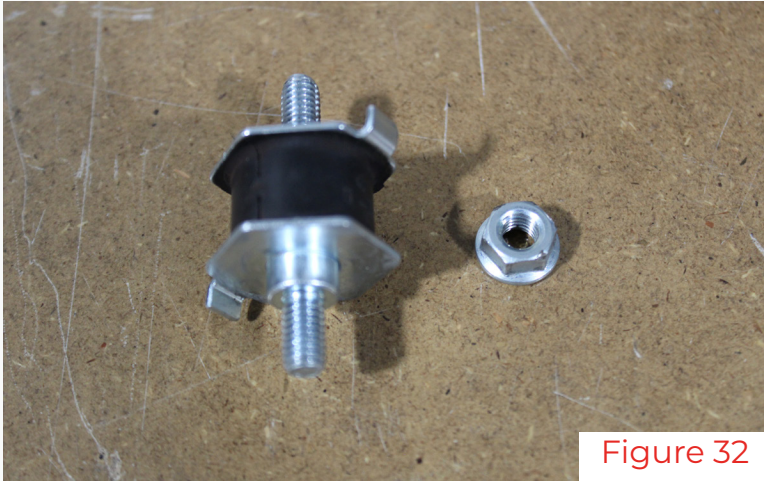


Figure 32

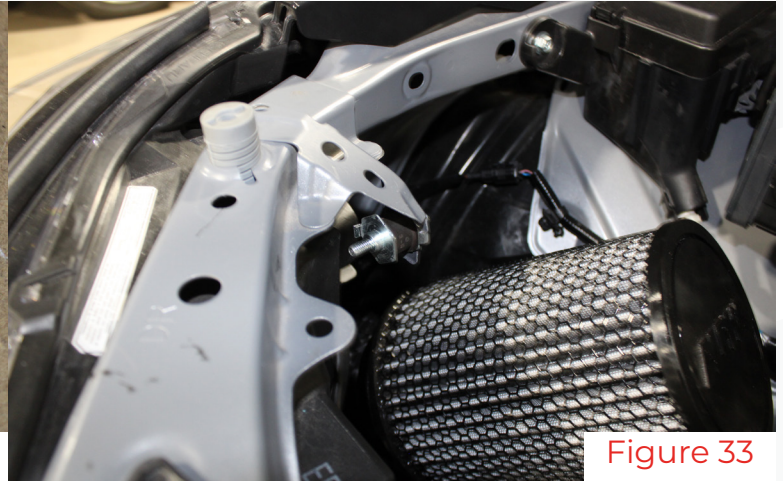


Figure 33

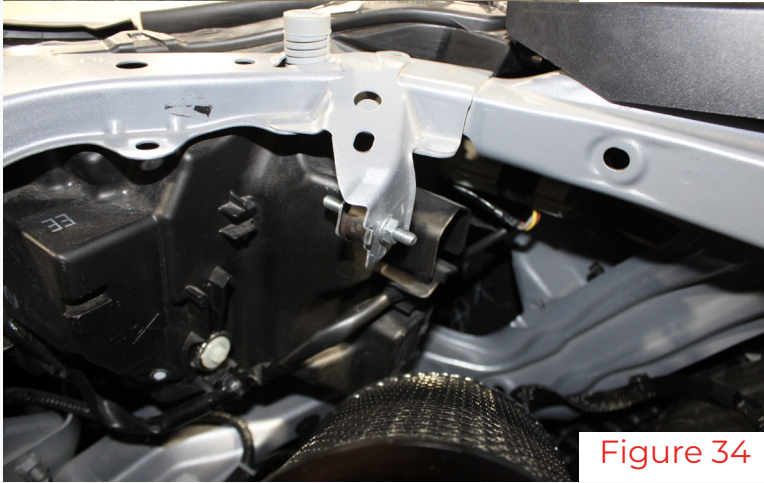


Figure 34

4. Remove the M6 bolt from the fuse box tab (Figure 35 & 36). This will not be reused.

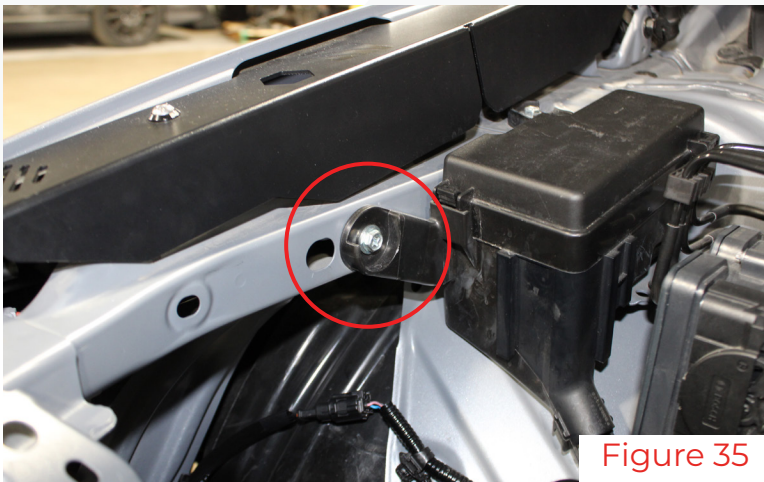


Figure 35

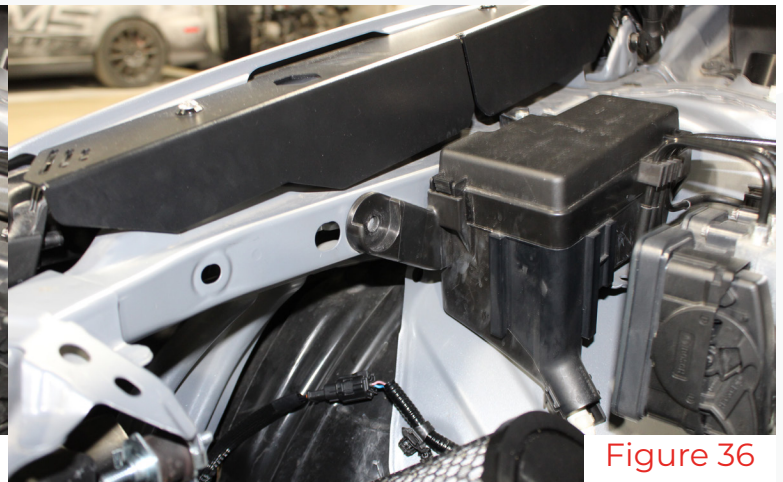


Figure 36

5. Place the shroud into position making sure the wire harness on the backside routes through the cutout in the back of the box (Figure 37 & 38).

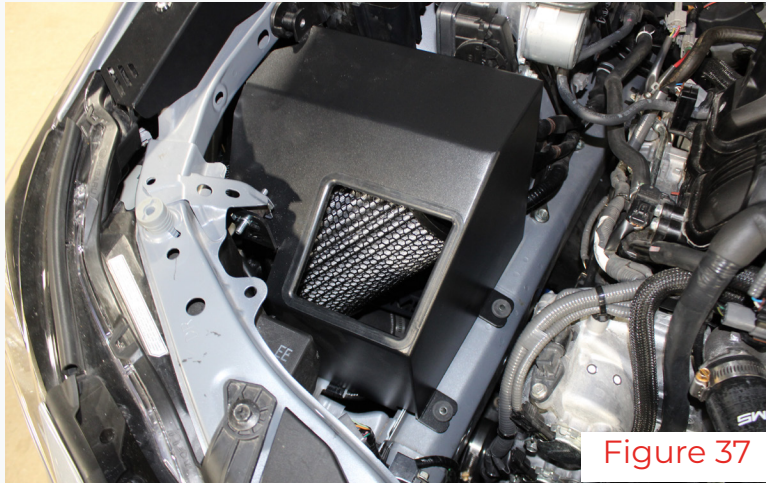


Figure 37

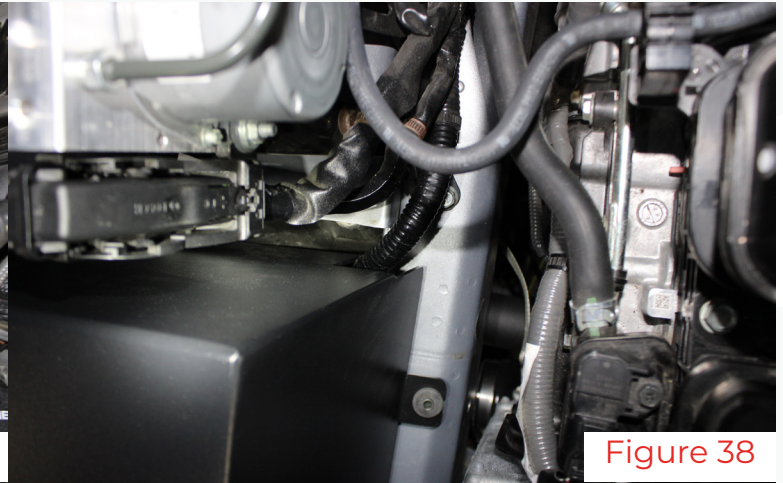


Figure 38

6. Secure the shroud through the fuse box tab with the provided M6 x 35mm bolt. Reuse the factory air box bolts to secure the shroud to the body (Figure 39).

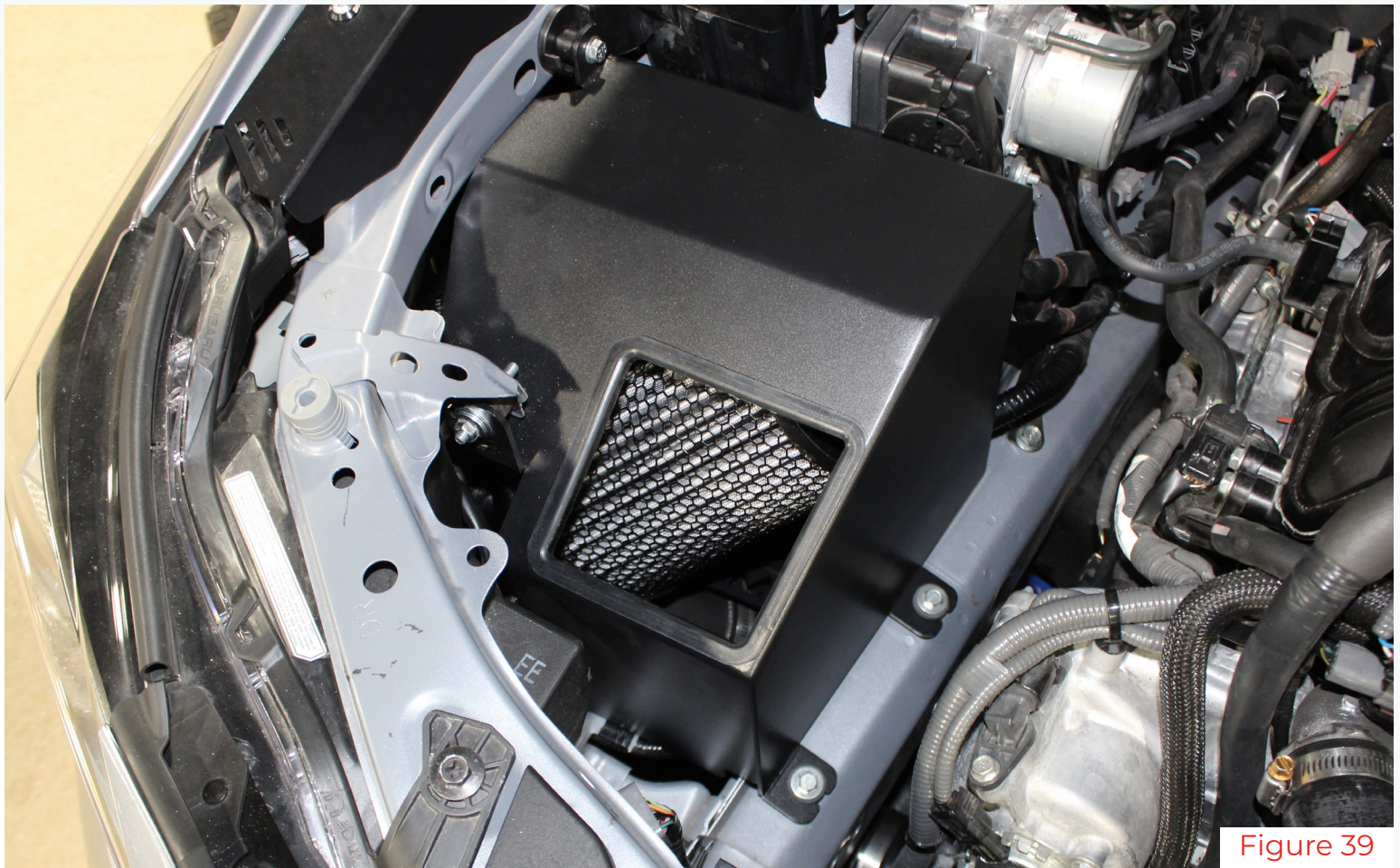


Figure 39

7. Using the provided washer, place the washer onto the rubber isolator (Figure 40) and secure it with the remaining large factory flange nut (Figure 41).



8. Install the AMS Duct into the Shroud and secure with the factory clips (Figure 42-44).

