

BMW G8X M2/M3/M4 INTAKE

INSTALL INSTRUCTIONS

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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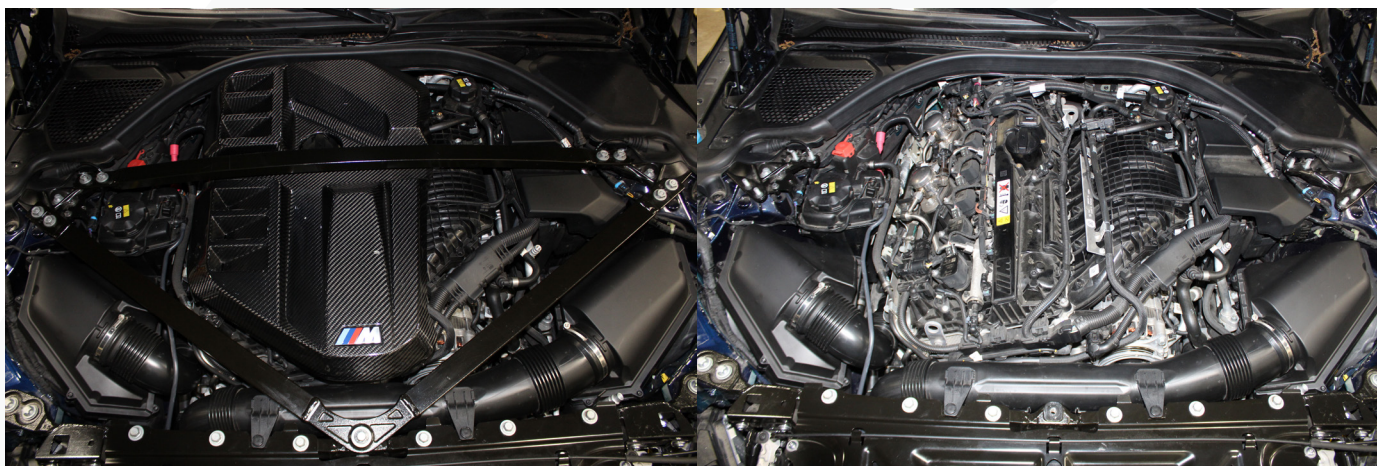
09 | Installation

DISASSEMBLY:

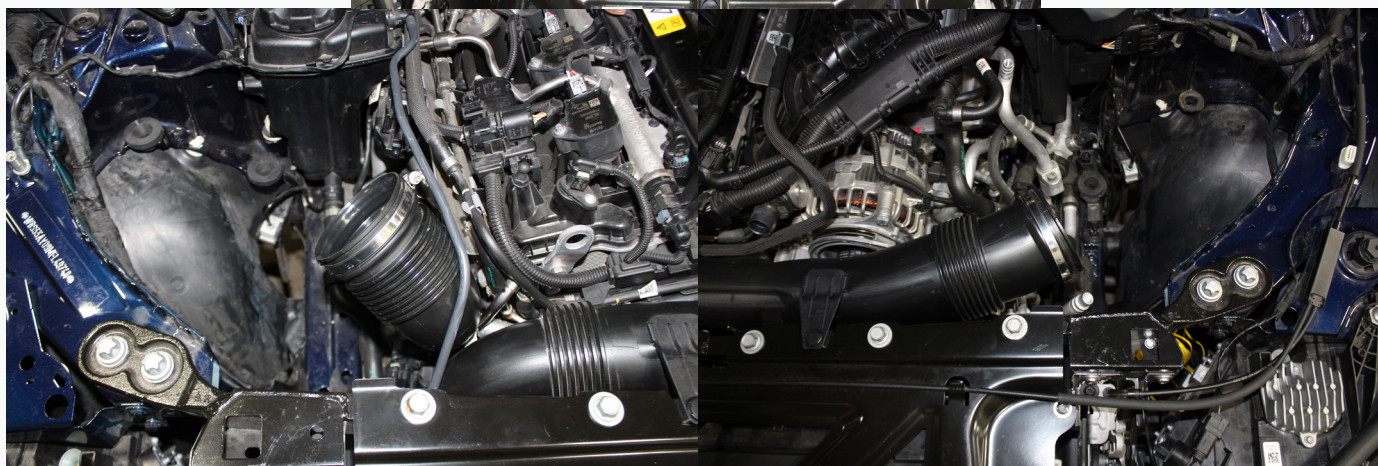
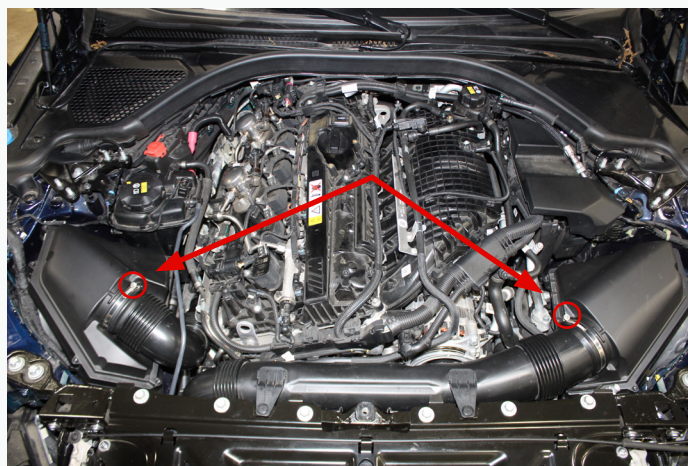
1. Remove the strut tower braces. There are (8) 15mm nuts and (1) 13mm bolt.



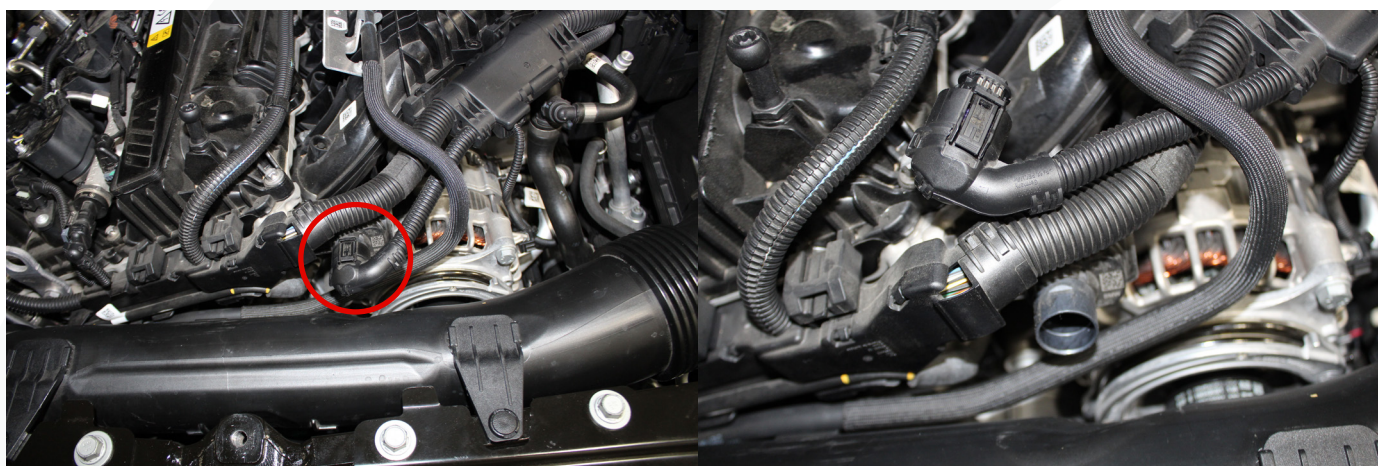
2. Remove the engine cover.



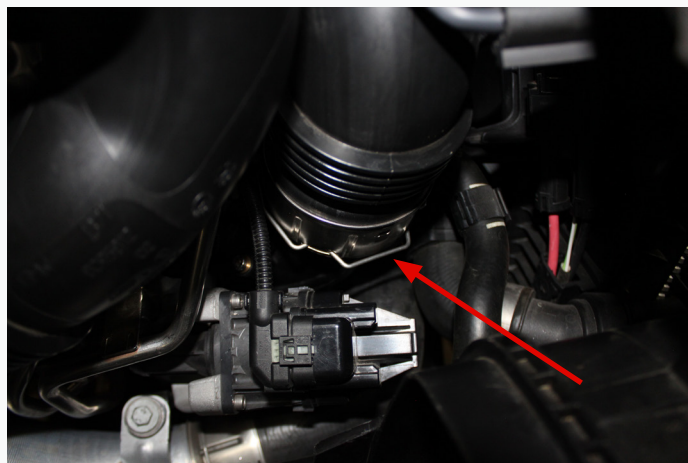
3. Loosen the 6mm clamp on both Air filter boxes and remove both air boxes by gently but firmly pulling the box from the grommets.



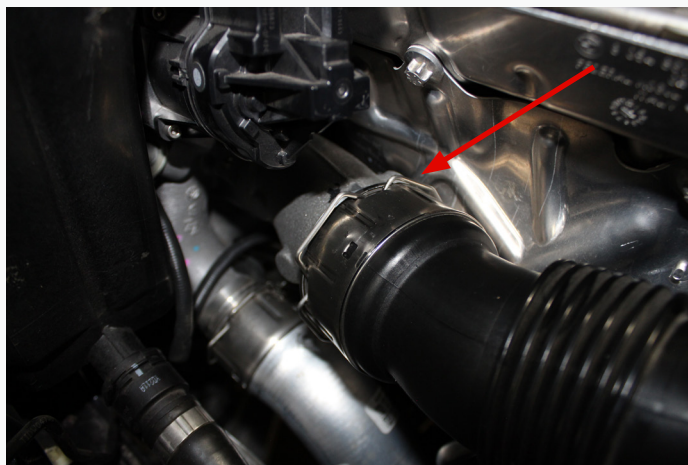
4. Disconnect the sensor plug on the front of the engine. It is a squeeze-style with one tab on top and one on the bottom. Move the plug up and out of the way.



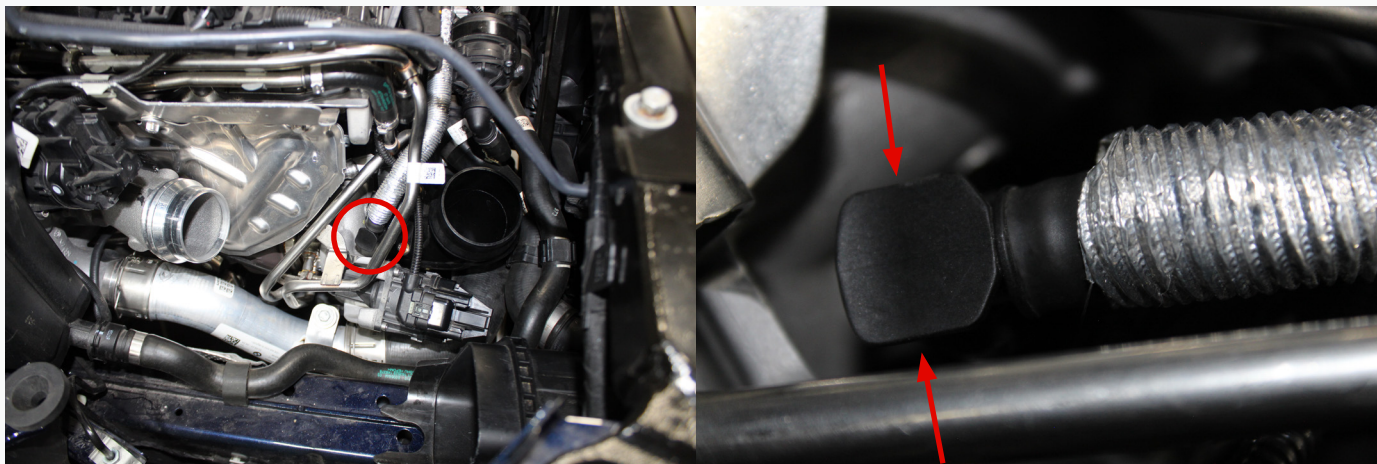
5. Using a tool or hands, unlock the clamp on the intake cross tube to turbo inlet and remove it from the vehicle.



6. Repeat step 5 on the passenger side intake tube.



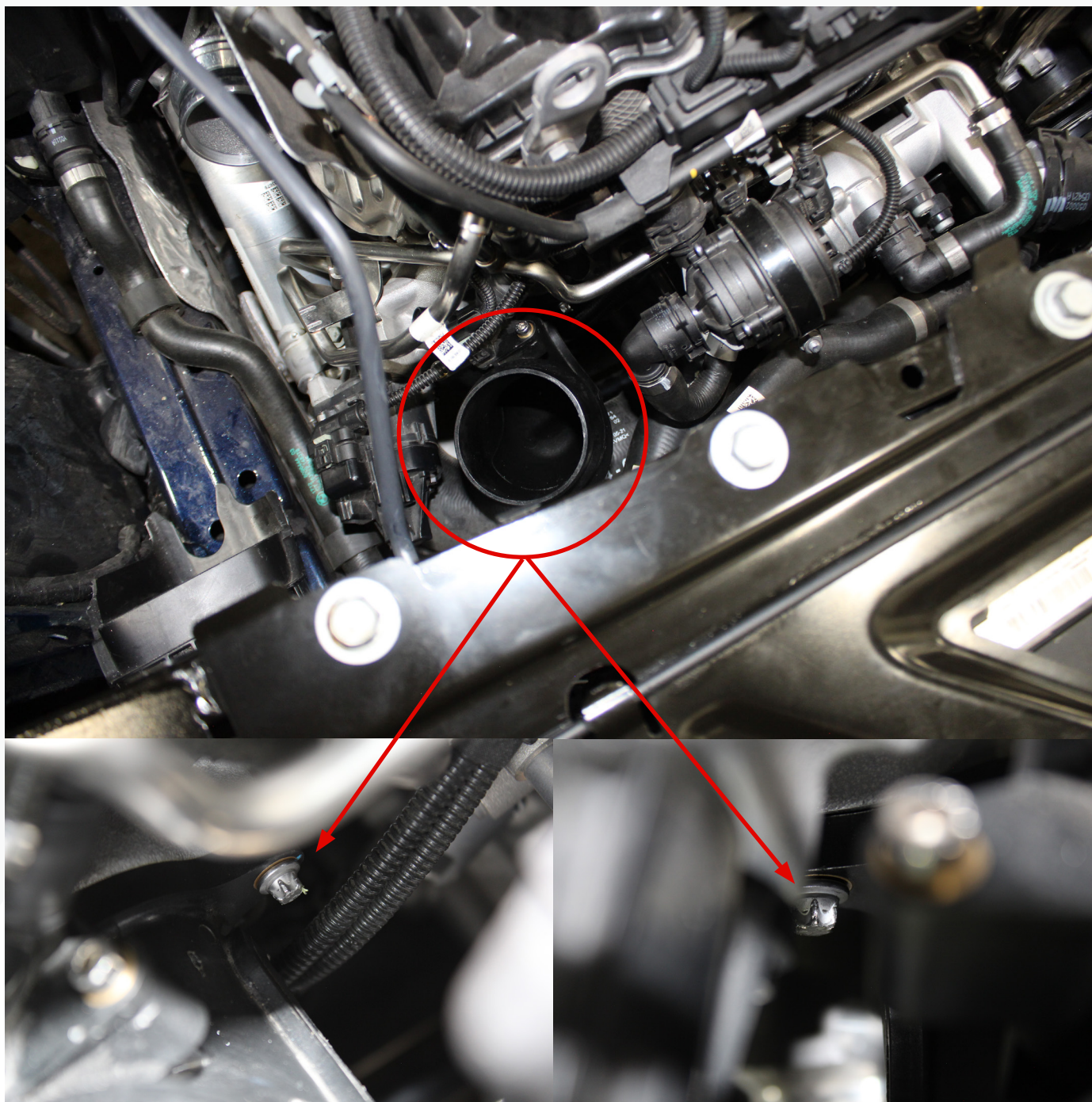
7. Locate the PCV hose. This is another squeeze style connection. Squeeze and remove it from the fitting and then move it up and out of the way.



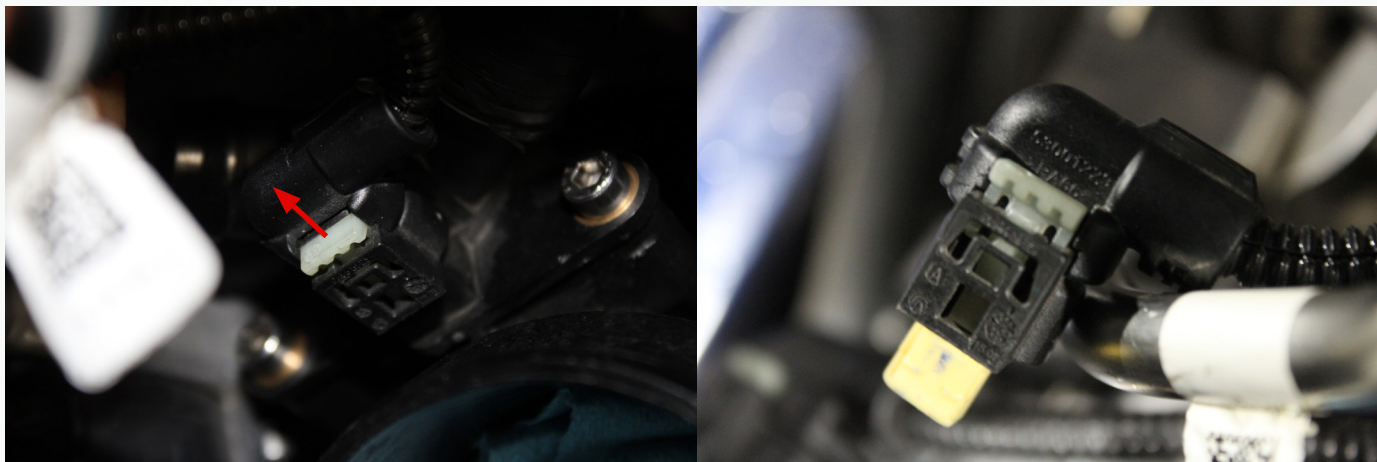
8. Using E8 socket, remove the torx bolt securing the PCV tube onto the engine.



9. Using E8 socket, remove the (2) torx bolts securing the turbo inlet on each turbo. The forward most turbo has the torx caps on either side of the inlet.



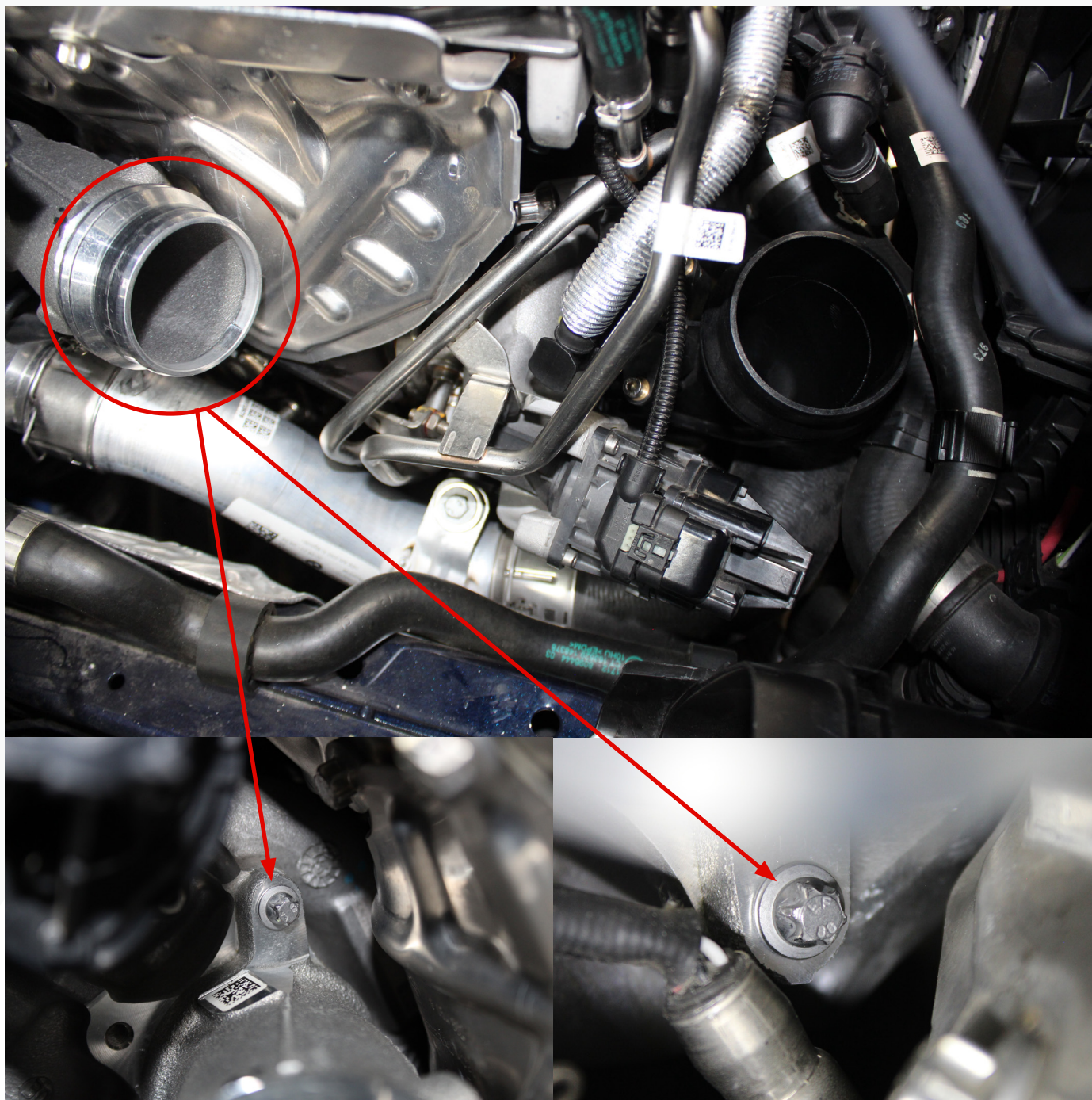
10. On the forward turbo inlet, be sure to disconnect the sensor on the PCV block. To do so, slide the white lockout tab up and then squeeze the tab to release it.



11. Using a T25 bit, remove the (2) bolts from the PCV adapter tube and remove oil baffle disc. Save the PCV adapter tube and baffle disc for a later step.



12. Using E8 socket, remove the (2) torx bolts holding the rear turbo inlet hard pipe. The torx bolt locations are above and below the hard pipe.

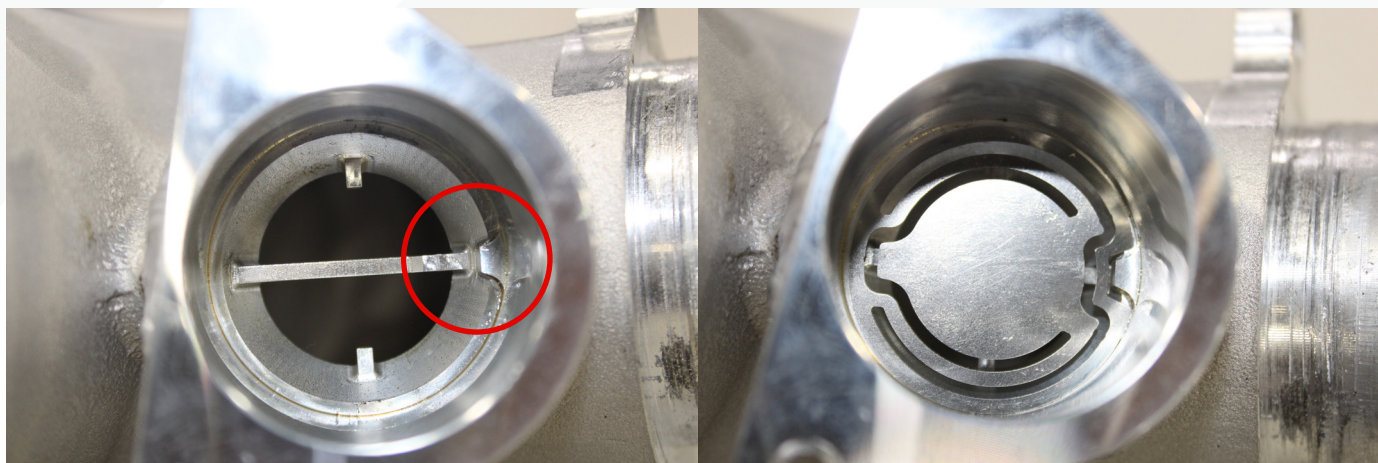


13. Locate the cast welded turbo inlet, oil baffle disc, PCV adapter tube and provided hardware.



INSTALLATION:

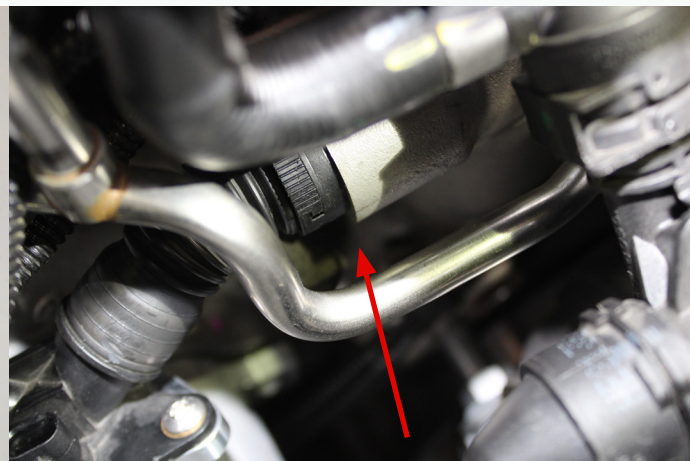
14. Take the oil baffle disc and place it into the welded inlet tube. Align the tab indent on the oil baffle and the notch on the cast adapter flange as shown below



15. Install the PCV adapter tube onto the welded assembly using the provided button head bolts. Keep the cast pipe upright while installing the PCV adapter tube so that the PCV baffle doesn't fall out of position.



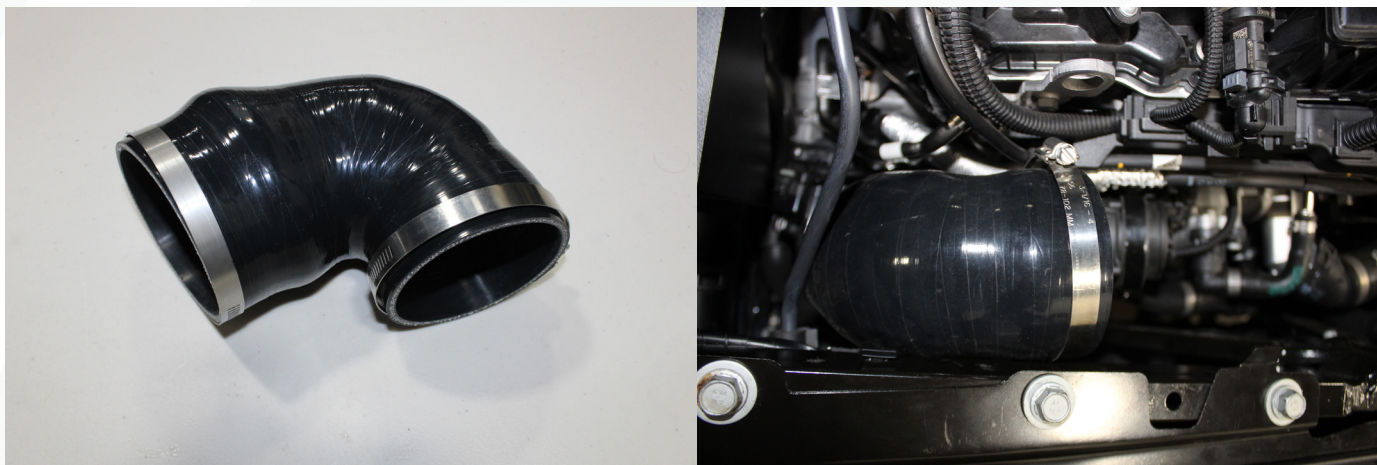
16. Install the assembled inlet on to the forward turbo. Be careful when inserting the plastic tube into the engine. The sharp edges can lead to cutting of the hose. Once in place, install the supplied (3) 10mm hex head bolts and reconnect the PCV hose and electrical connector.



17. Take the other cast inlet and install it onto the rear turbo. Make sure the ears on the inlet are at the 12' and 6' position and install with provided (2) 10mm hex head bolts.



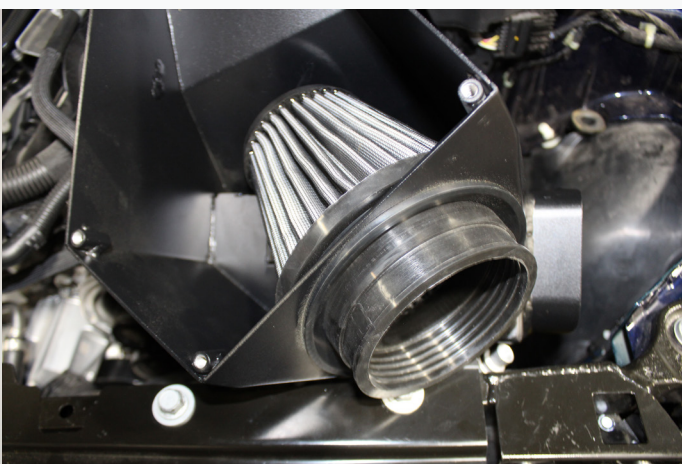
18. Locate the 90 degree silicone, #60 Clamp and #56 Clamp. This silicone gets placed on the welded inlet tube with the larger oblong opening on the inlet with #60 clamp.



19. Locate the straight silicone, #56 clamp, #48 clamp and jumper tube. Install the smaller opening of the straight silicone on the cast inlet tube with the #48 clamp. Install the jumper tube into the larger opening of the straight silicone with the #56 clamp.



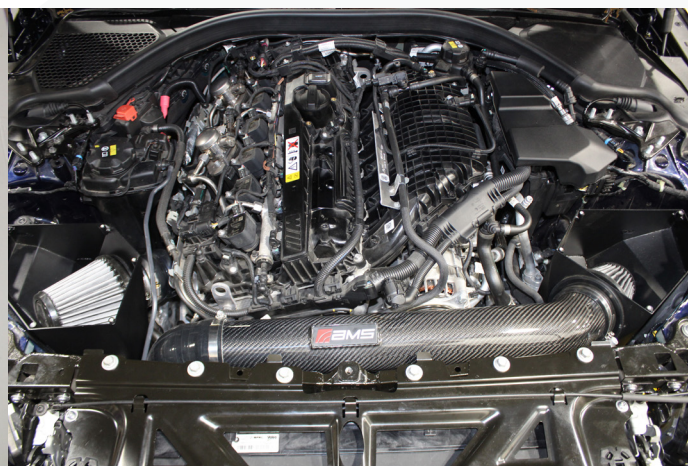
20. Grab the air intake boxes. Starting with the passenger side air box, pre install the filter into the box. While placing the air box into the grommets we need to simultaneously install the air filter onto the jumper tube and secure the filter clamp.



21. Pre install the filter into the driver side airbox like in step 20, and place the airbox onto the grommets.



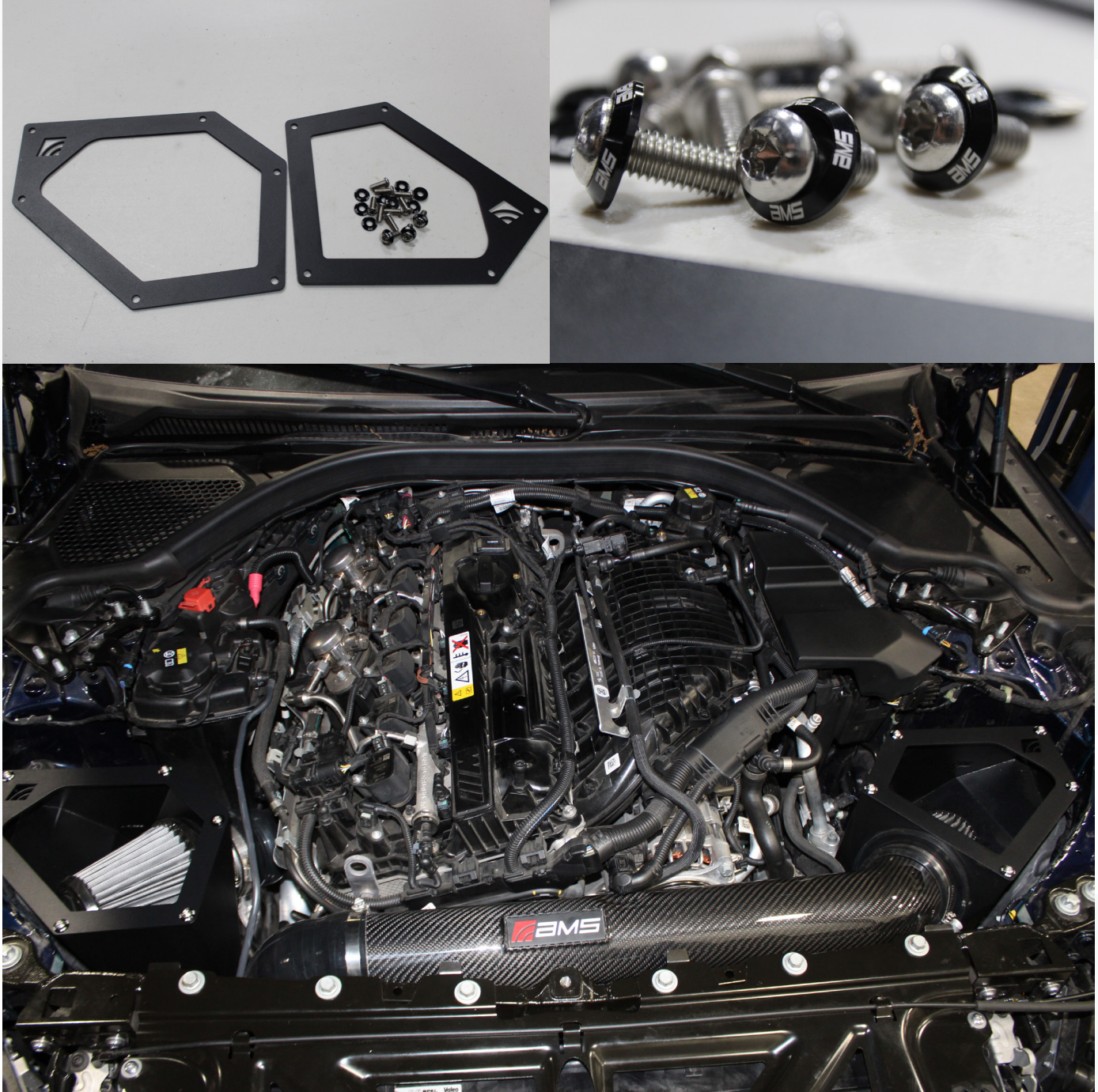
22. Take the carbon fiber intake tube and place it into the 90 degree silicone on the front welded inlet tube. Position it into the driver side air filter. Tighten the 90 degree silicone clamp and the air filter clamp. Make sure to check tube to alternator clearance.



23. Re-connect the sensor plug on the front of the engine.



24. If you have the “Simple Intake Kit” grab the powdercoated garnish plates with (11) torx bolts and (11) Beauty washers. Install both the plates on their respective air boxes. If you have the “S58 Intakes (Incl. Carbon Lids)” Skip to step 26.



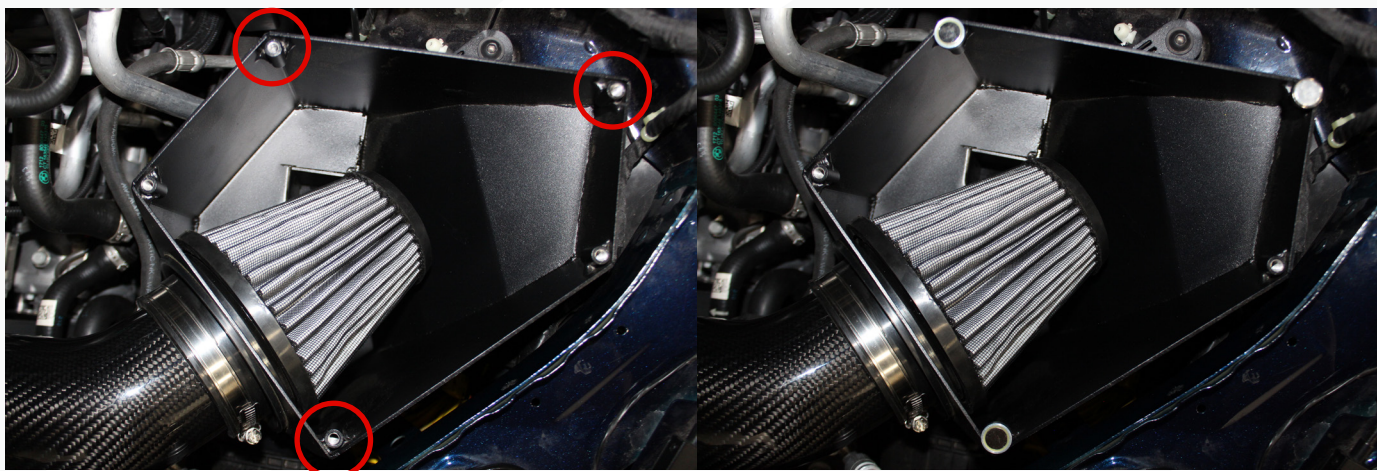
25. Re-install the engine cover and strut tower braces with the oem hardware. You are done! Enjoy better performance and turbo sounds with your new AMS Performance Simple Intake Kit.



26. "S58 Intakes (Incl. Carbon Lids)" continued - Grab the driver side carbon fiber lid and (3) magnets



27. Take the (3) magnets and fasten them into the locations outlined below.



28. Place lid onto the air box making sure the magnets are placed into the right spots



29. Repeat steps 26-28 on the Passenger side.



30. Re-install the engine cover and strut tower braces. You are done! Enjoy the performance gain and turbo sounds with your new AMS Performance G80 Intake kit.

