



AMS GOLF-R

CHARGE PIPE

The AMS charge pipe's one piece design with large radius bends, an 85% larger inlet, and almost 10% larger outlet removes the bottleneck in the charge air system. Our charge pipe is a complete bolt on kit that fits as good as the stock piece which means no cutting or trimming. The AMS charge pipe mates up perfectly to the AMS Golf R FMIC and future AMS turbo upgrade.

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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 may not meet the legal requirements for use on public roads. Federal and state laws prohibit the removal, modification, or rendering inoperative of any part or element of design affecting emissions or safety on motor vehicles used for transporting persons or property on public streets or highways. Use or installation of performance parts may adversely affect the drivability and reliability of your vehicle, and may also affect or eliminate your insurance coverage, factory warranty, and/or new OEM part warranty. Performance parts are sold as-is without any warranty of any type. There is no warranty stated or implied due to the stresses placed on your vehicle by performance parts and our inability to monitor their use, tuning, or modification.

These instructions are provided as a guide only as there are many variables that cannot be accounted for concerning your particular vehicle, including but not limited to model year differences, model differences, the presence of non-OEM parts, and modifications that may already be or were previously installed. A basic knowledge of automotive parts and systems is helpful but a better understanding of the parts and systems on your particular vehicle may be required.

If you have any questions or issues at any time during the installation of your AMS Performance product(s) please call us for technical assistance. The AMS Performance tech line can be reached during business hours at 847-709-0530 for AMS Performance products only.



Dissassembly

01. Start by removing the intake from the vehicle. The steps for removing the factory intake are below.

- a. Loosen the 7mm hose clamp on the turbo inlet and disconnect it.
- b. Disconnect the small vent hose on the side of the air box from the intake manifold.
- c. Use a little bit of silicone spray on the visible grommets holding the air box in place. This will aid in removal.
- d. Pull the air box upwards while wiggling it back and forth to get the grommets to unseat. This can be difficult on older vehicles. Use more silicone spray as necessary.
- e. Remove the two T25 Torx screws holding the front scoop in place to the core support. Remove the air scoop.



02. Loosen the 7mm hose clamp on the turbo outlet.



03. Remove the bolt holding the charge pipe to the engine.



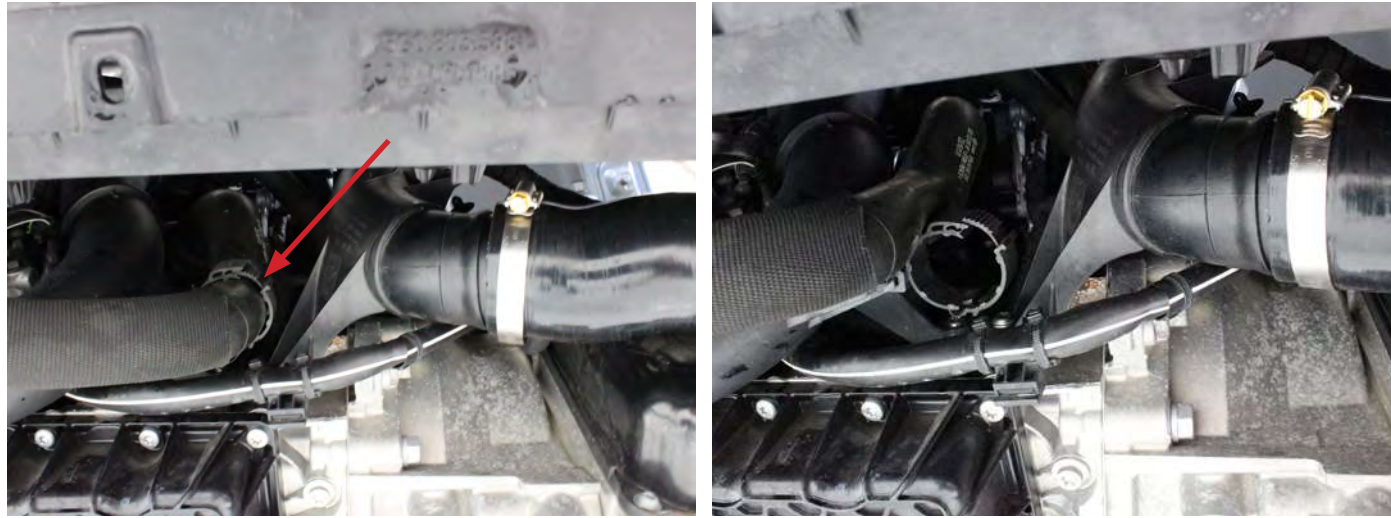
04. Remove the two clips attached to the charge pipe towards the lower section of the pipe.



05. Properly secure the car on jack stands and uninstall the front underbody panel by removing the 8 torx screws.



06. Loosen the clip that is attached to the coolant hose and then remove the hose from the clip.



07. Remove the clip that is attaching the wires to the bottom of the charge pipe. Slide the clip down to remove.



08. Remove the bolt that is attaching the bottom of the charge pipe to the engine.



09. Loosen the hose clamp that is attached to the outlet of the charge pipe.



10. Once the steps above are completed you can reattach the clip that holds the coolant hose in place.



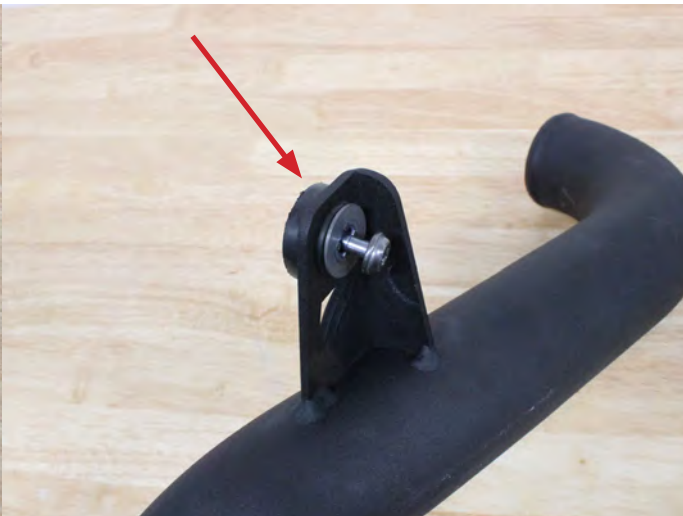
11. By working from the top of the engine you can now remove the stock charge pipe.



12. Remove the rubber grommet and bolt from the stock charge pipe, these will be reused.



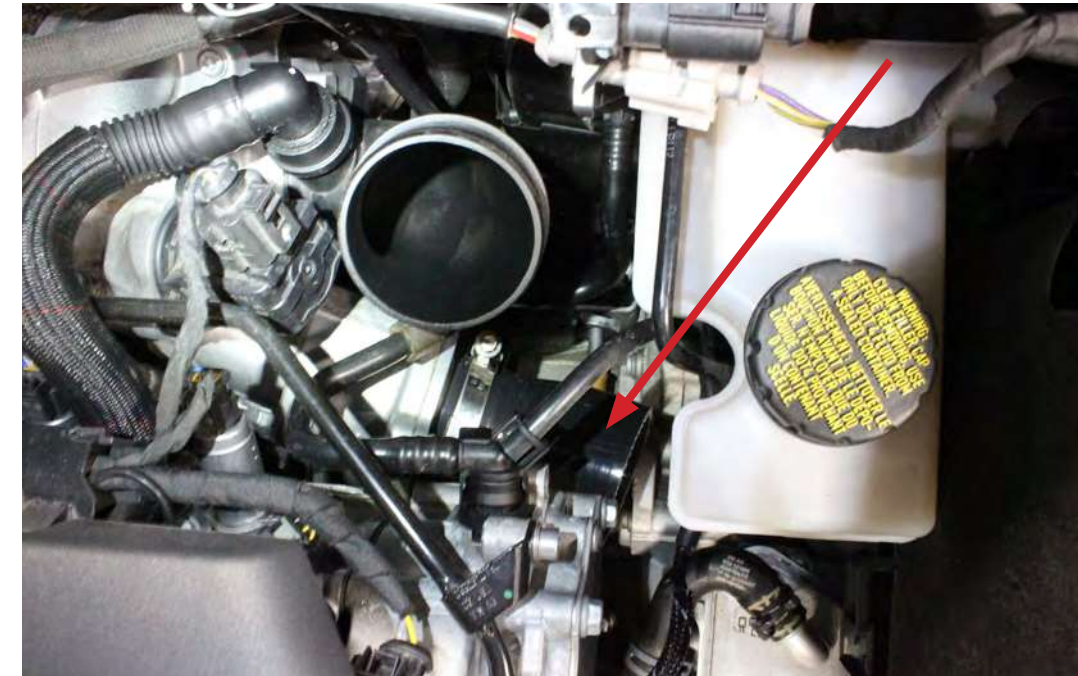
13. Install the rubber grommet and bolt into the AMS charge pipe as shown below.



14. Attach the 2 provided hose clamps to the included silicone coupler. Orient the hose clamps as shown below.



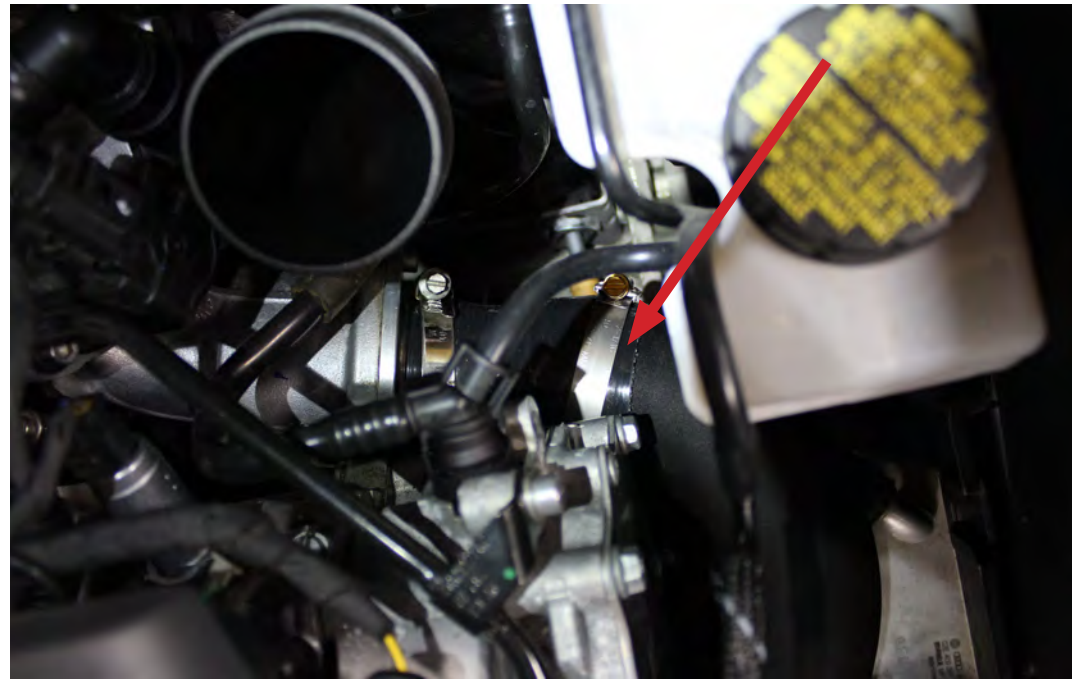
15. Place the silicone onto the outlet of the turbocharger. Do not tighten the hose clamp yet. The silicone should be oriented so that the larger outlet portion is angled upward as shown below



16. Install the AMS charge pipe as shown below. You may have to move some of the hoses out of the way to allow the lower section to seat all the way down into the correct position



17. Attach the inlet of the charge pipe onto the silicone coupler



18. Tighten the bolt that attaches the charge pipe to the engine. Once this is complete, you can tighten the two hose clamps on the silicone coupler that is attached to the turbocharger



19. From the underside of the vehicle, attach the charge pipe outlet to the silicone coupler and tighten.



20. Replace the underbody panel that was removed in step 5.

21. Replace the intake system that was removed in step 1.