

#TL100145

INSTALLATION MANUAL

# CI100050

APR C8 RS6/RS7 Intake

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Notes:

These instructions were written for a European specification C8 RS6, but other models like the RS7 are similar.

When disassembling the car, be sure to keep all fasteners so they can be reused. It is recommend that you get some kind of compartmented tray to organize the fasteners, such as a fishing tackle box or several large ice cube trays. Fasteners that are not reused for reinstallation are noted in the instructions. All directions used in this manual (right, left, front, etc.) are based on if you were sitting in the drivers seat of the car.

These instructions assume that you have basic mechanical skills and several varieties of basic hand tools in order to install the kit. If you have any questions about the install, feel free to contact your APR representative.



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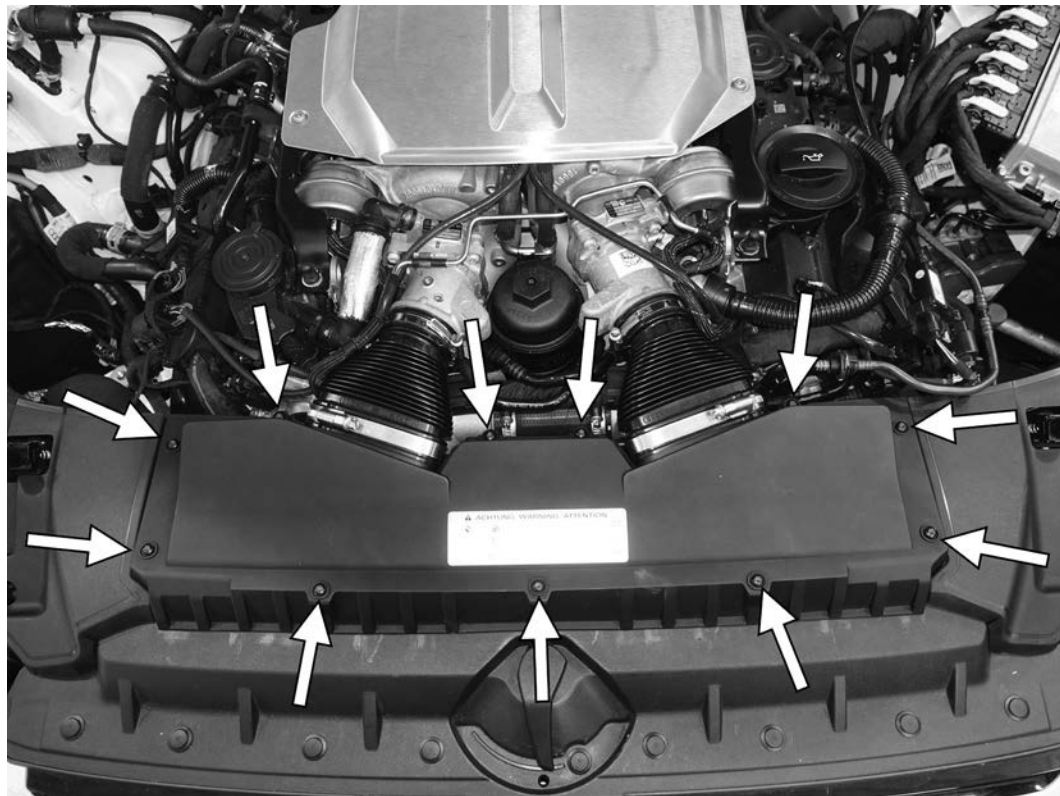
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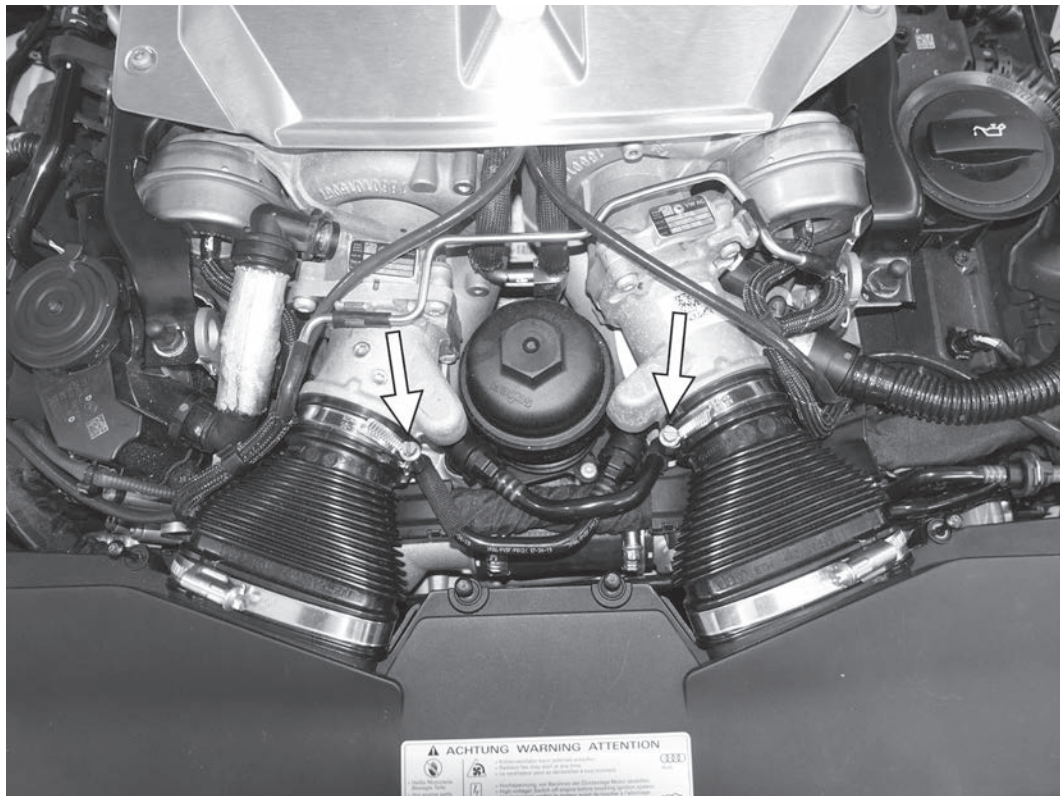
1) Raise the hood and remove the engine cover by lifting up on all four corners of the cover.

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2) Remove the eleven T25 screws holding the top of the OEM airbox lid.



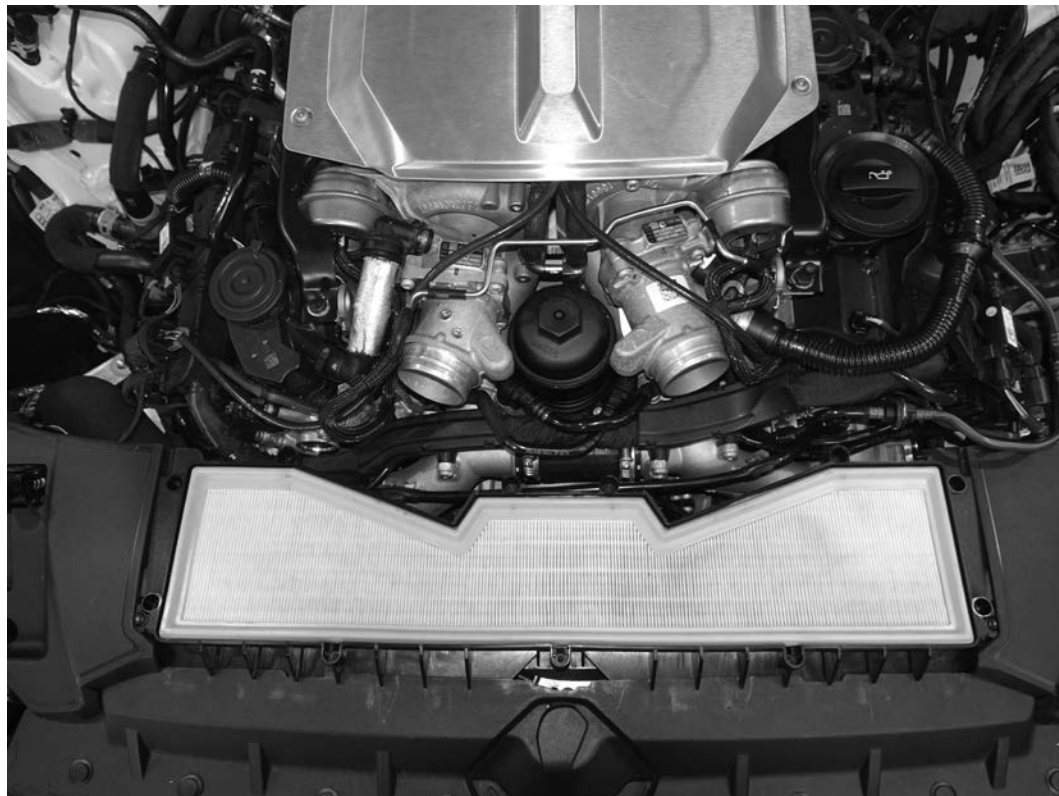
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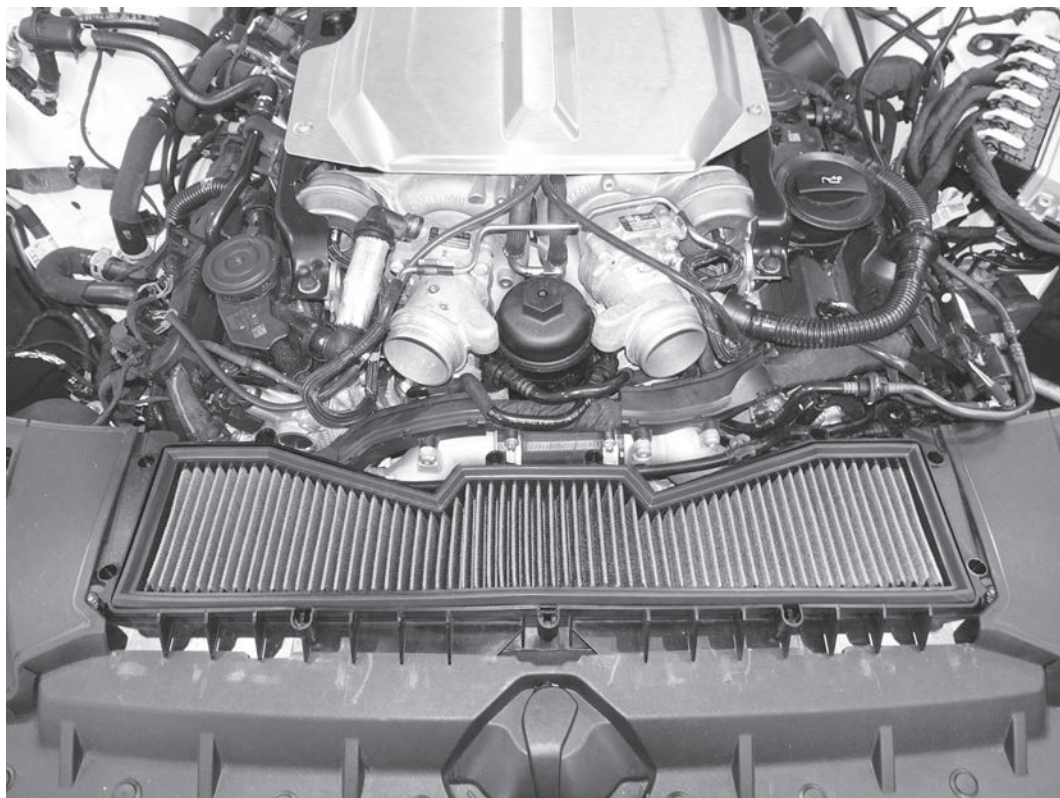
3) Loosen the two 7mm hose clamps holding the accordion hoses to the cast turbo inlets.

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4) Left and remove the OEM airbox lid with the accordion hoses attached to expose the OEM air filter.



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5) Remove the OEM air filter and replace with the APR air filter.

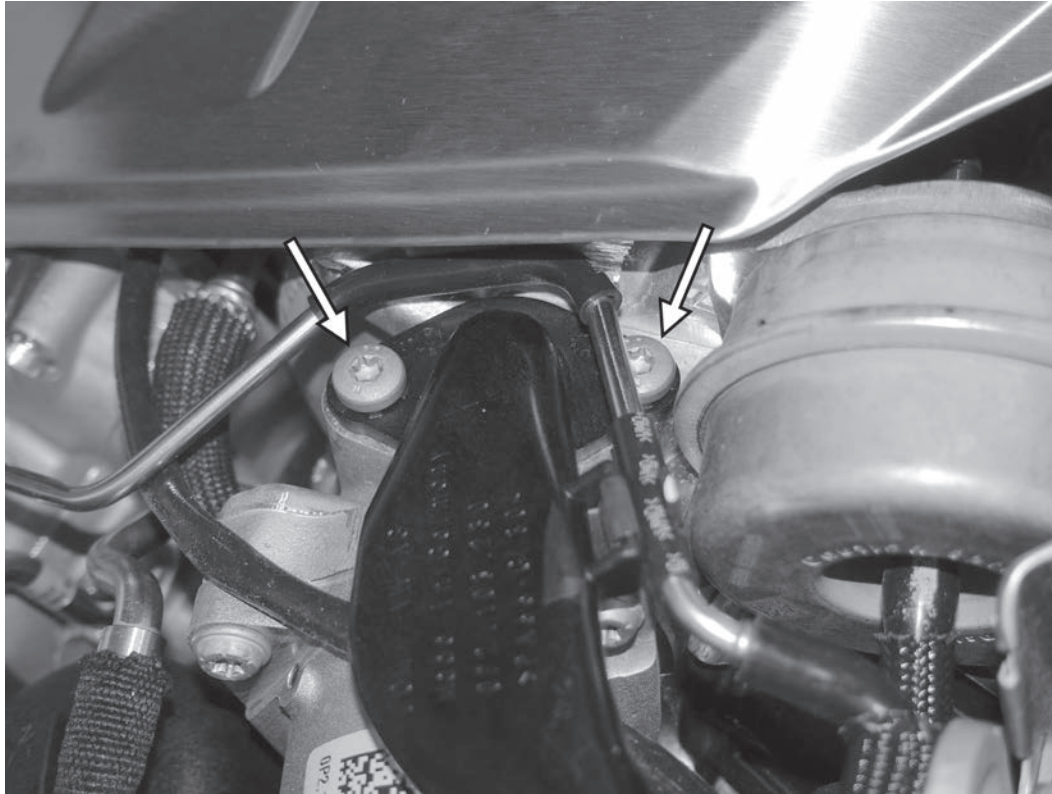
If installing just the APR air filter, reinstall the OEM airbox lid with accordion hoses. Tighten the 7mm hose clamps on the cast turbo inlets to 3.4Nm (30in-lbs), and the reinstall the eleven T25 screws, tightening them to 3.5Nm (31in-lbs). Reinstall the engine cover.

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6) Use a 90° pick to loosen the PCV hose that is connected to the left cast turbo inlet. Work the pick around the diameter of the connection while gently pulling the hose away from the connection. On some vehicles, the PCV is a different setup, go to the next step.



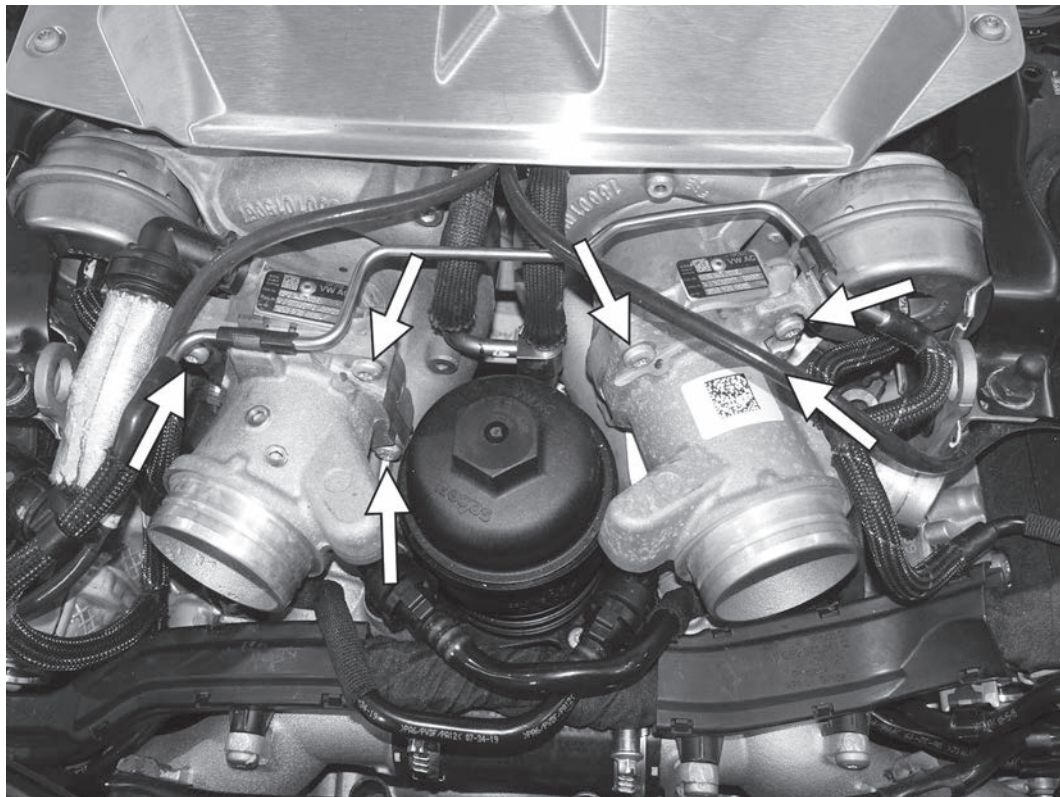


7) On the cars with the other style PCV hose, loosen and remove the two T30 screws from the inlet of the turbocharger, and then carefully move the hose out of the way.

8) Unclip the hard vacuum lines from the top of the OEM cast turbo inlets.



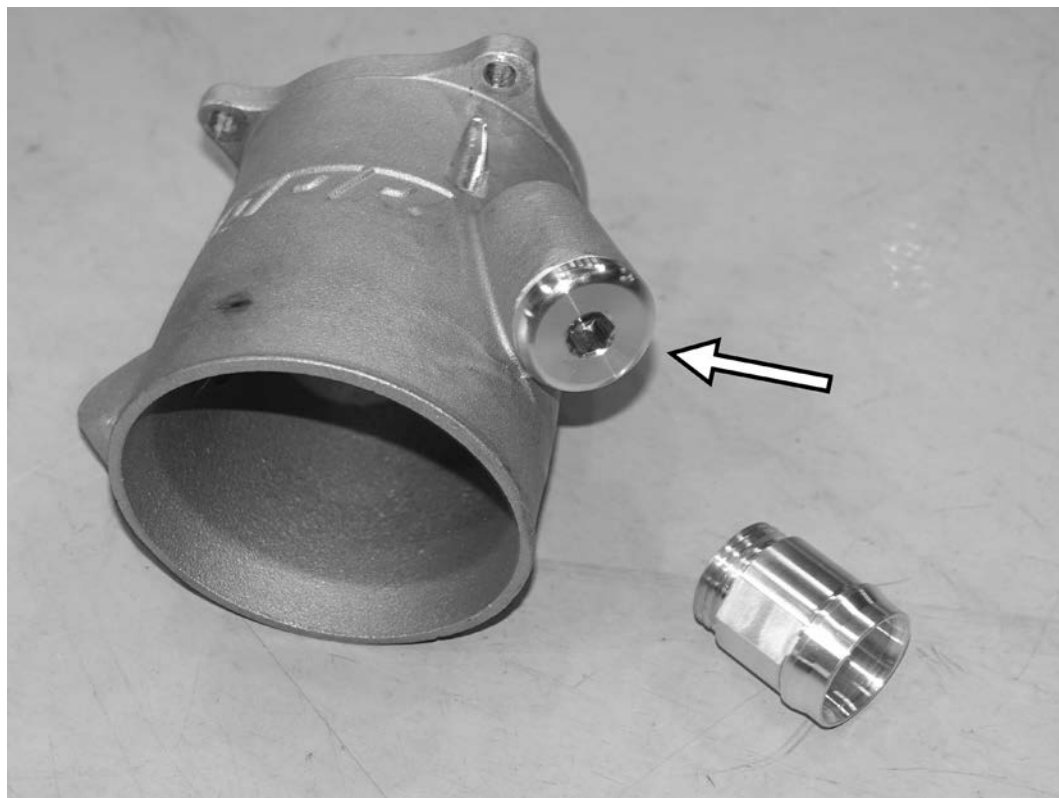
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9) Remove the six T30 screws holding the OEM cast turbo inlets to the front of the turbos. Be careful not to drop the screws while removing them. Remove the cast turbo inlets from the car.

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10) Depending on the stock PCV setup, install either the plug or the barbed fitting into the left APR cast turbo inlet pipe. Use thread sealant on the threaded portion before installing. If using the plug, tighten the plug with an 8mm allen to 7Nm (62 in-lbs). If using the barb, tighten with a 25mm wrench to 7Nm (62 in-lbs).

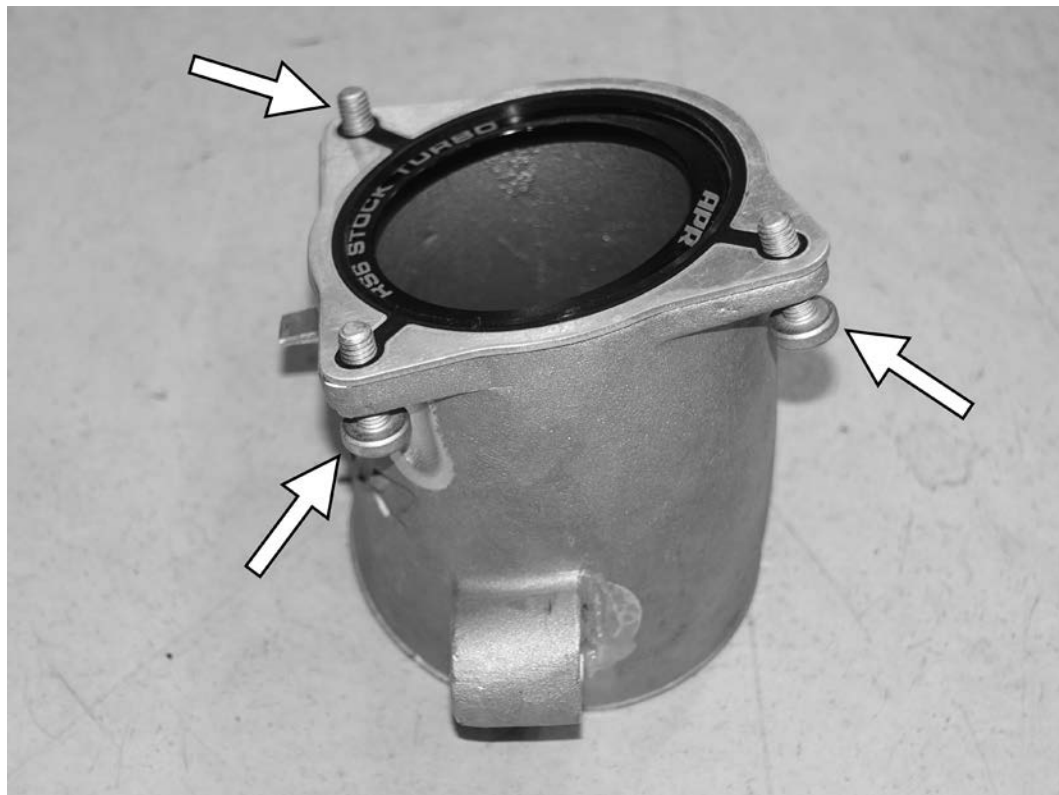


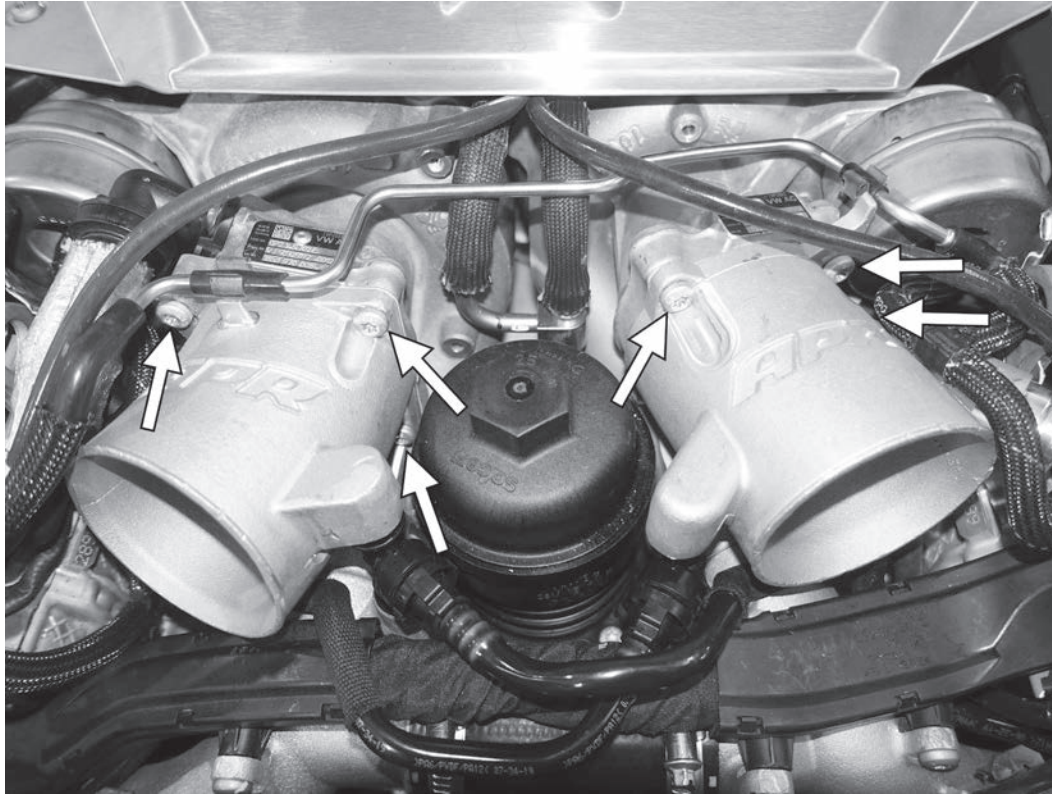
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11) The turbo inlet adapters for the stock turbos are supplied with the intake kit. If using different turbos, contact APR for the correct adapters. Install the thin, supplied o-rings into the groove around the outside of the turbo inlet adapter rings. Then, place the rings into the cast turbo inlet pipes as shown.

12) The inlet adapter ring for the stock turbos comes installed in the APR cast turbo inlet pipes. If using different turbos, uninstall the stock adapter rings and install the adapter ring for the turbos you are using. Place the supplied gasket on the inlet pipe flange, and loosely preinstall the six T30 screws through the casting and into the gasket. The gasket should retain the screws.





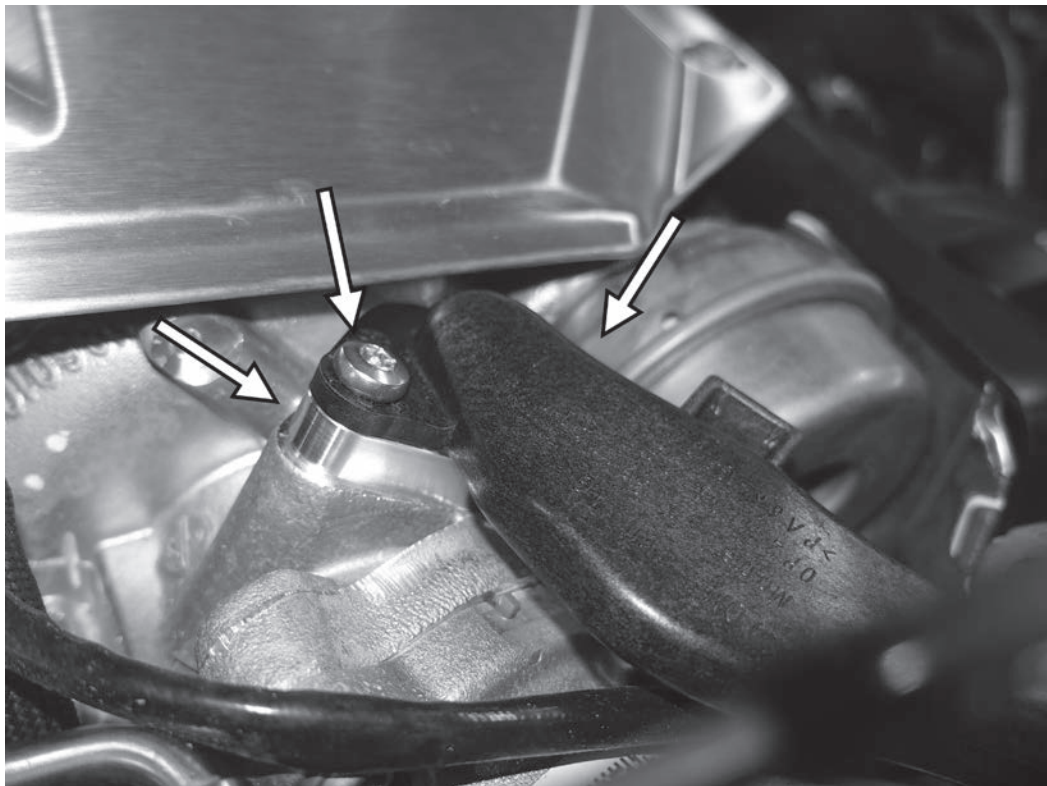
13) Install the APR cast turbo inlet pipes onto the front of the turbochargers with the six T30 screws. Start all six fasteners by hand, and then tighten and torque them to 9Nm (80in-lbs).

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14) If the car has the later style PCV setup, place the supplied o-ring on top of the PCV one way valve inside on the left turbocharger. Ensure the o-ring is centered in the opening, and the one way valve is centered as well.



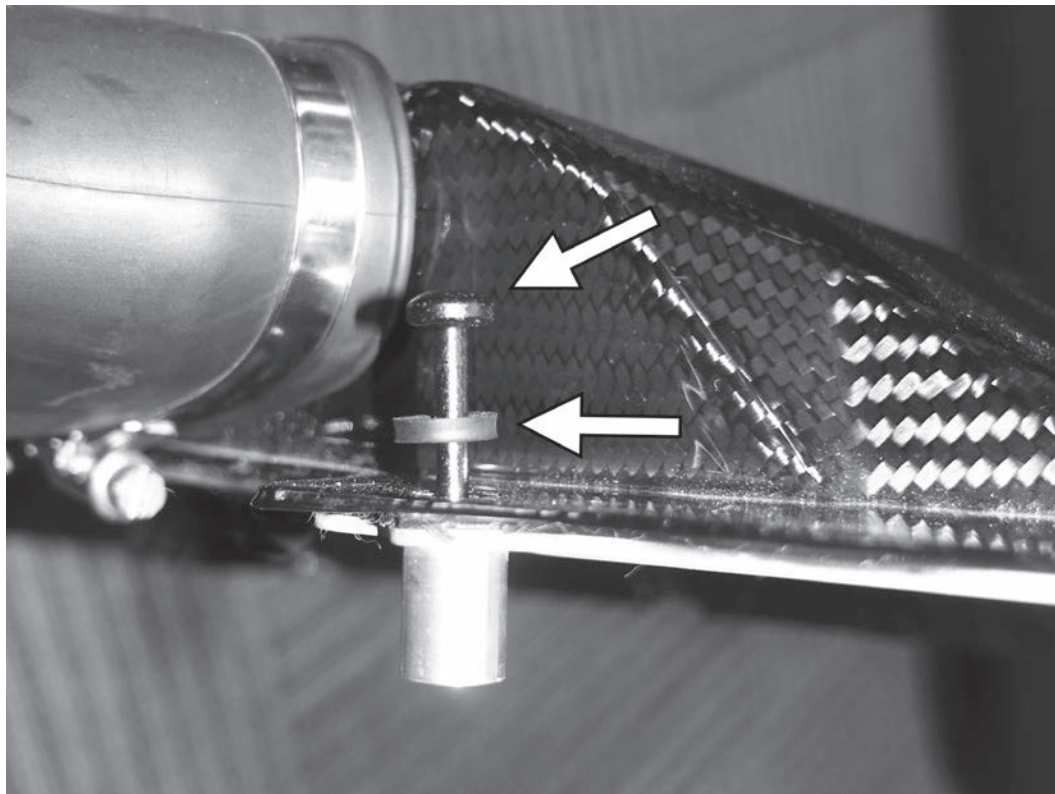


15) On the cars with the later PCV setup, install the supplied spacer on top of the left turbocharger. Ensure the o-ring on top of the one way valve is centered on the bottom of the spacer. Place the PCV hose into the top of the spacer, and then secure with the two supplied, longer T30 screws to 8Nm (71 in-lbs).

16) Install the ovalized APR inlet hoses onto the back side of the APR carbon fiber airbox cover. The flat side of the inlet hoses goes towards the bottom of the cover, and the raised hump side goes towards the top of the cover. It is best to install the supplied clamps with the 7mm screws on the bottom side, so they will not be visible once installed. Make sure the 7mm screws face the outside of the car so they can be tightened later. Do not tighten the clamps yet, so the hose can be manipulated once the airbox lid is installed.



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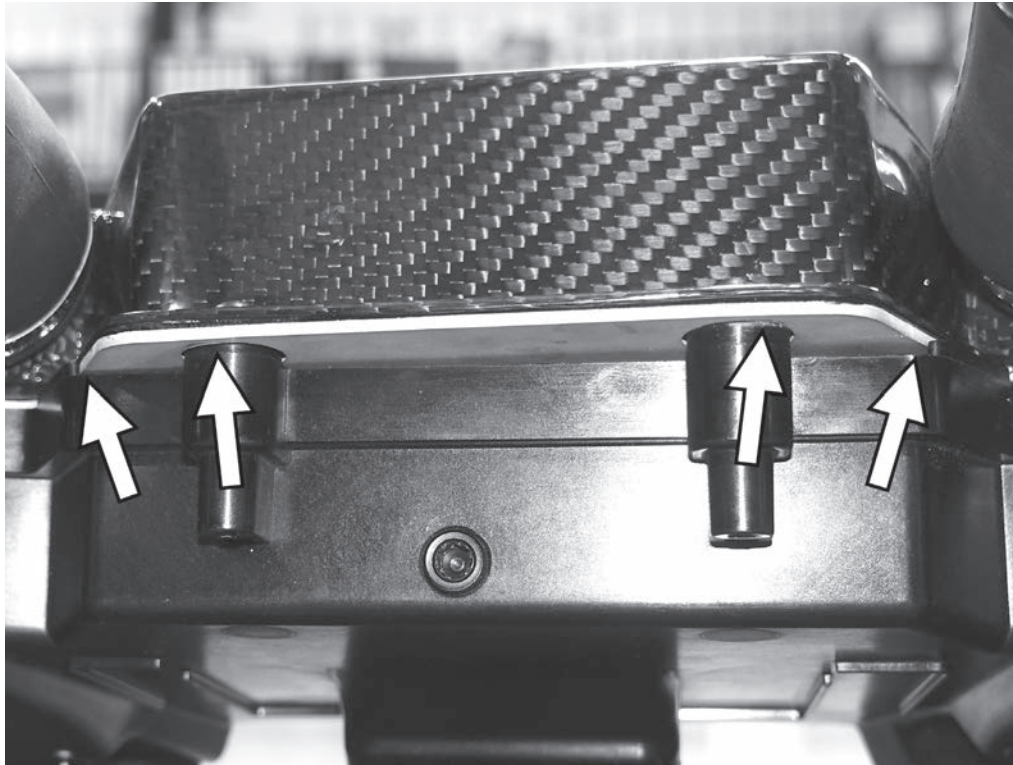
17) Completely unscrew the eleven T25 screws from the OEM airbox lid. Using the plastic washers, install the eleven screws onto the APR carbon fiber airbox lid.

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18) Place the APR airbox lid assembly onto the car, aligning the APR inlet hoses onto the APR cast turbo inlet pipes.



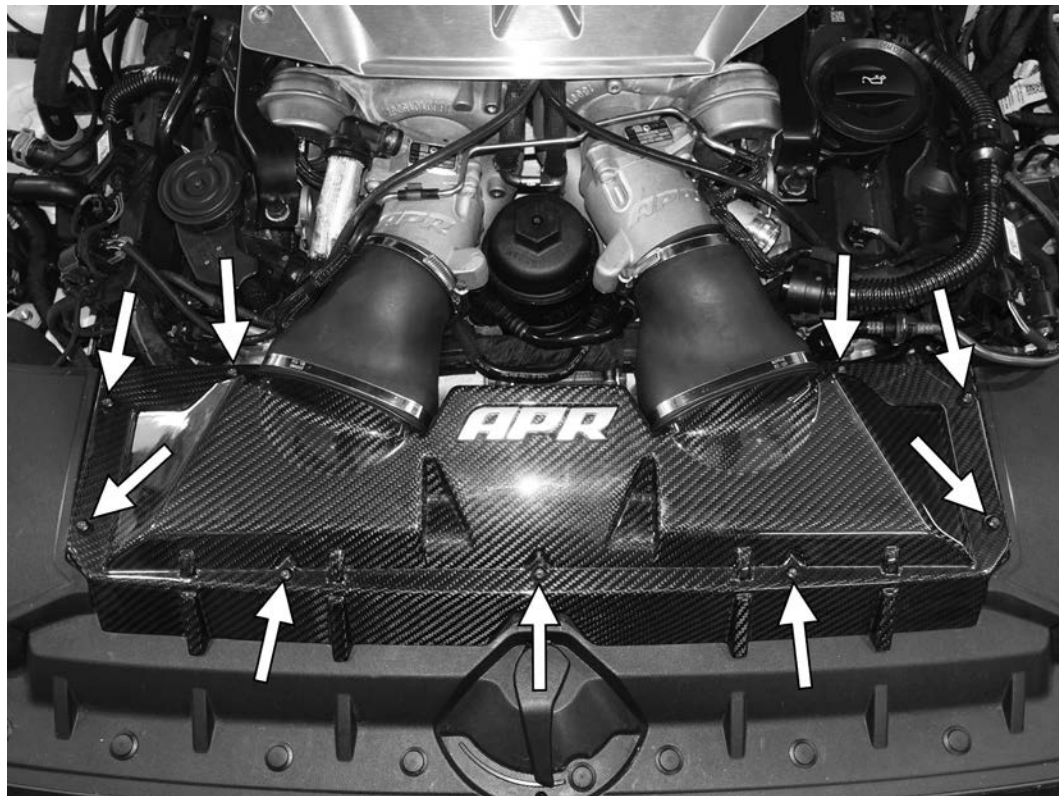
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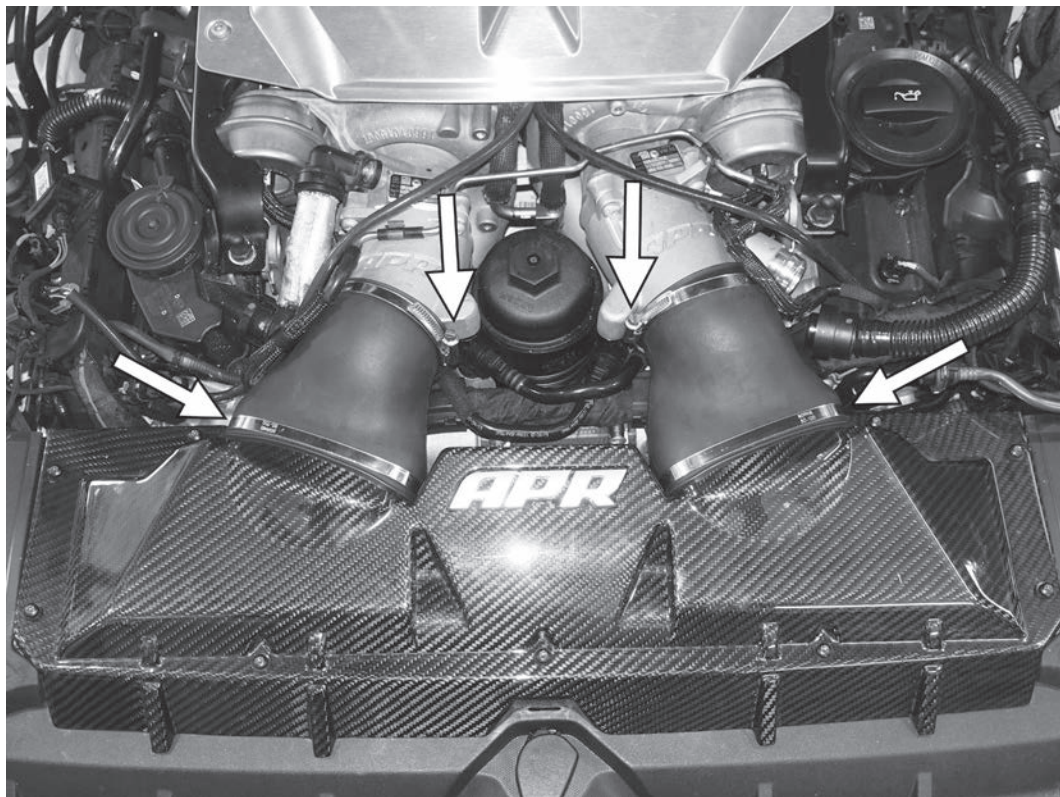


19) Tighten the two back screws between the APR inlet hoses first. Ensure the two plastic posts from the airbox base sit inside the metal plate of the APR airbox lid. As shown here, the post on the left side is seated inside the metal plate, the post on the right side is not. The posts have to be seated inside the holes on the metal plate, or the airbox will not sit down fully on the airbox base. Tighten the two T25 screws here to 1Nm (9in-lbs).

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20) Secure the APR airbox lid by installing the remaining nine T25 screws and torquing them to 1Nm (9in-lbs).





21) Adjust and tighten the clamps on the APR inlet hoses to the APR cast turbo inlet pipes, ensuring everything is seated unstressed. Torque all four 7mm screw clamps on both ends of the inlet hoses to 7Nm(62in-lbs).

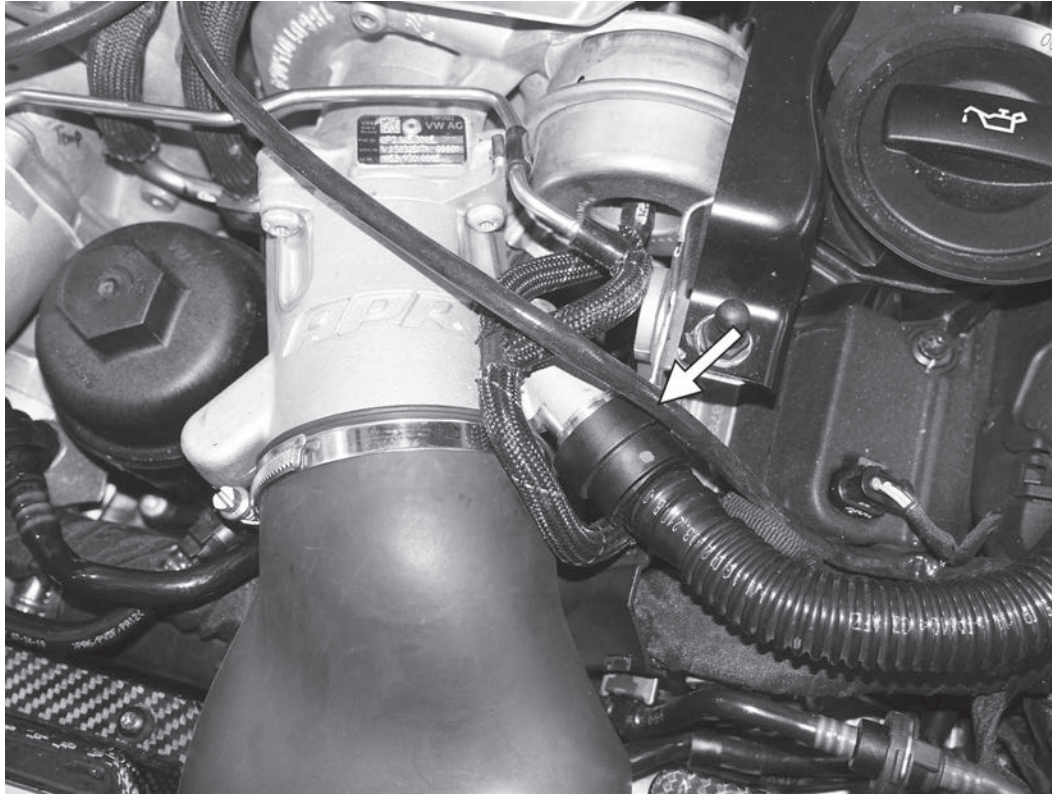
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22) Once the airbox lid is secured to the airbox base, and the APR inlet hoses and clamps are fully adjusted and tightened, ensure the mounting feet of the factory airbox base is fully seated in the rubber grommets, which are mounted to the core support.



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23) Of the car has the older style PCV, reconnect the PCV valve to the right APR cast turbo inlet pipe by pressing it in place.

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24) Reinstall the engine cover by pressing all four corners onto the four mounting posts.



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