#TL100158

INSTALLATION MANUAL

CI100052

APR Mk8 Airbox

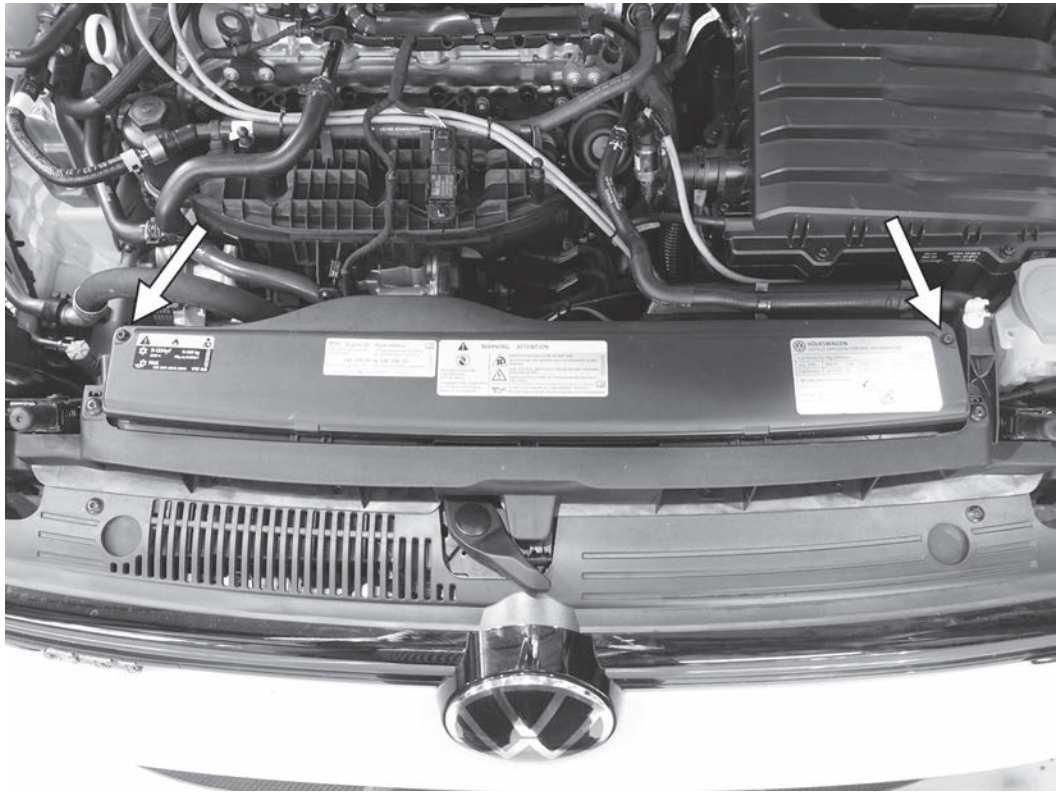
APR

Notes:

These instructions were written for a North American specification VW Mk8 GTI, but other models are similar.

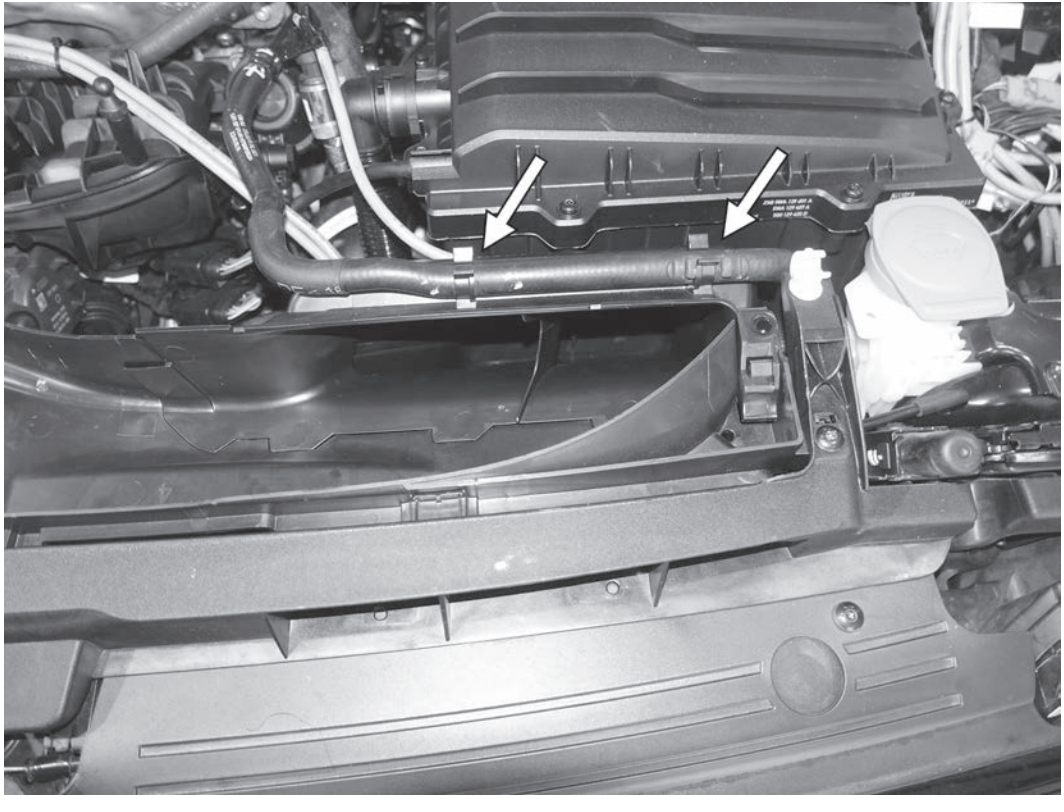
When disassembling the car, be sure to keep all fasteners so they can be reused. It is recommended that you get some kind of compartmented tray to organize the fasteners, such as a fishing tackle box or several large ice cube trays. Fasteners that are not reused for reinstallation are noted in the instructions. 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.



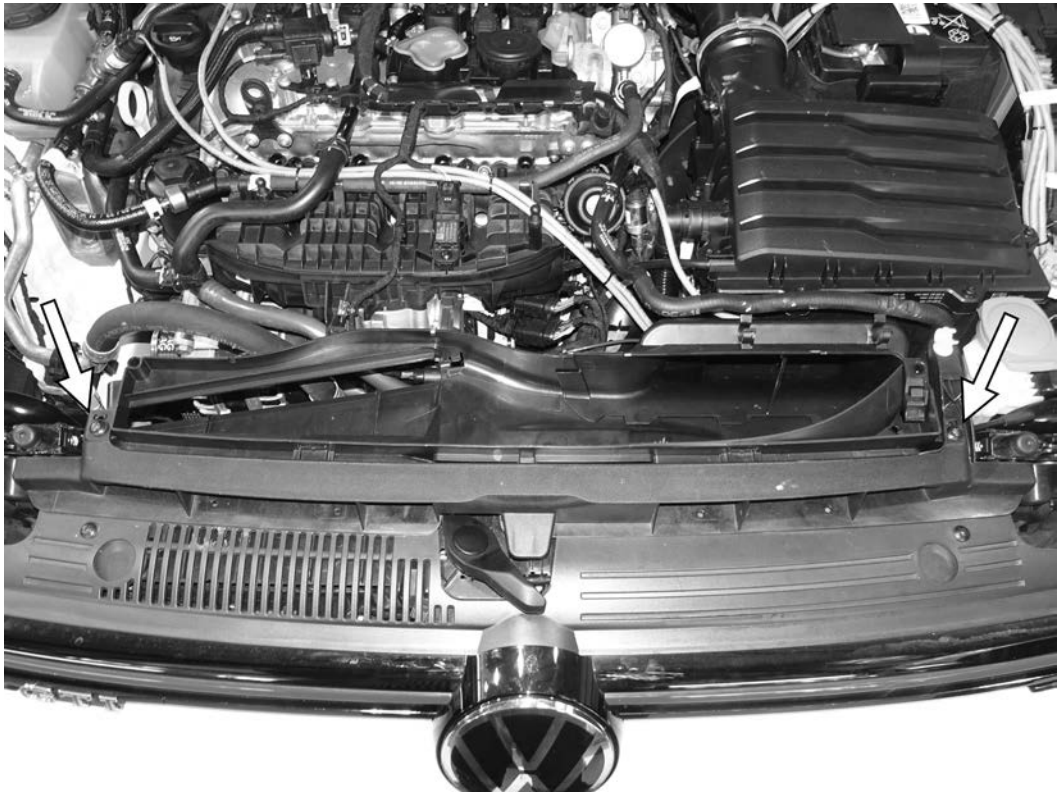
1) Raise the hood and remove the two T25 screws holding the airbox inlet cover.

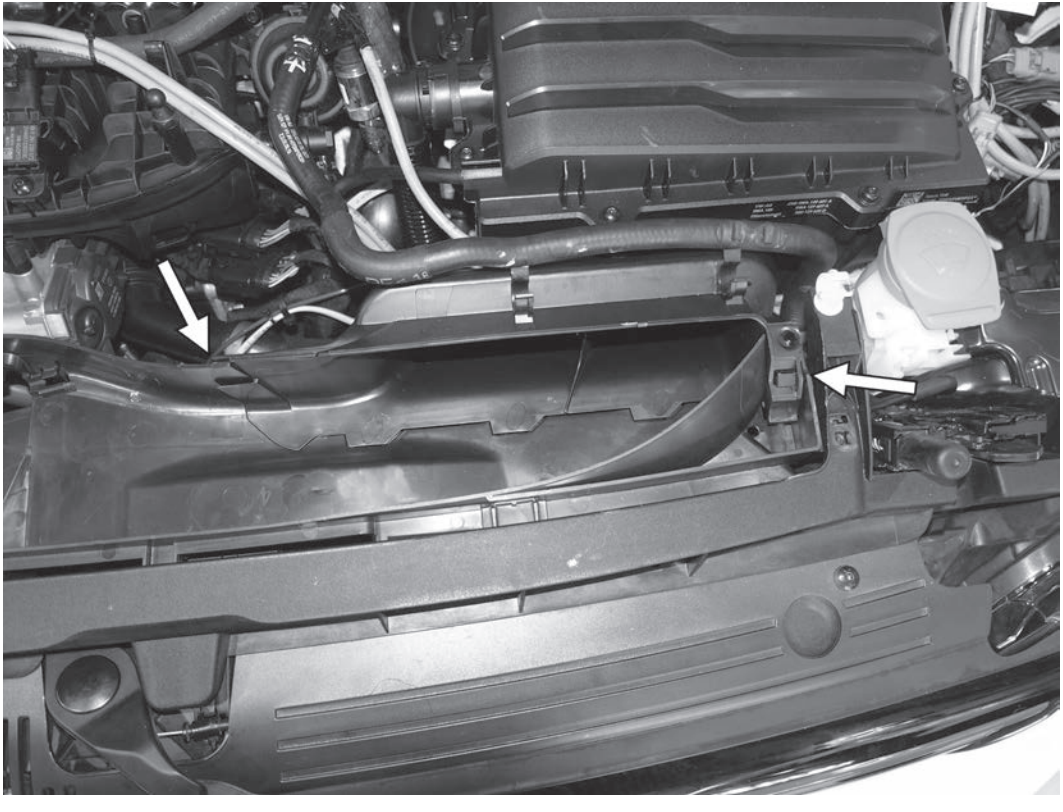
2) On the back of the airbox inlet cover, flip up the tab on the back side of the cover, and then remove the cover from the car.



3) Remove the coolant line that runs over the airbox inlet scoop but lifting the coolant line out of the two retaining clips on the scoop.

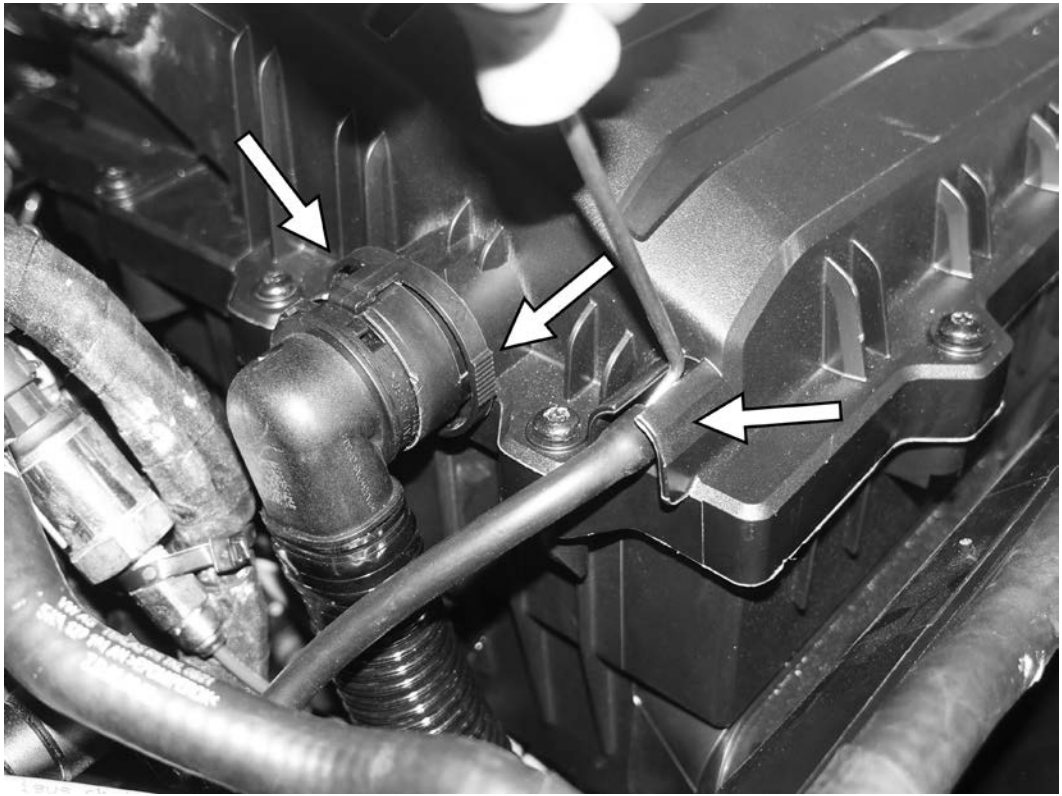
4) Remove the two T25 screws holding the airbox inlet base.

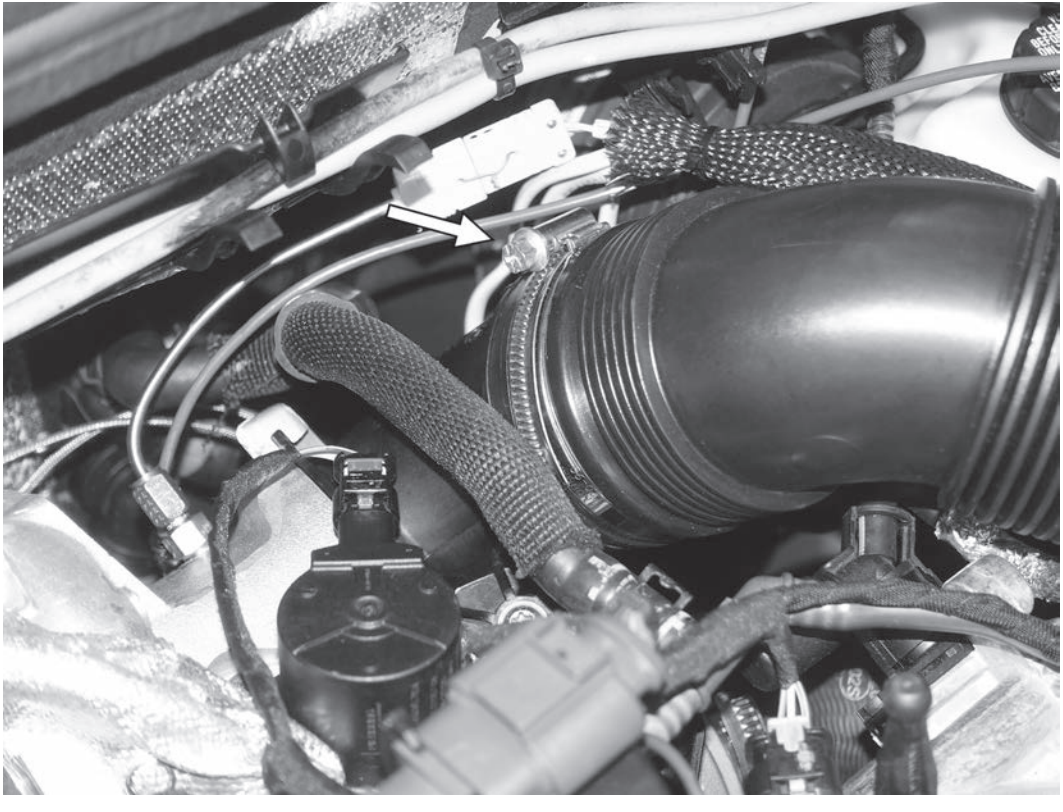




5) Push in the tab on the left side of the airbox intake scoop, and lift off the airbox inlet base. Separate the right side of the airbox intake scoop from the airbox inlet base and remove the scoop from the car. Then, remove the airbox inlet base by pressing in the tab on the right side of the base.

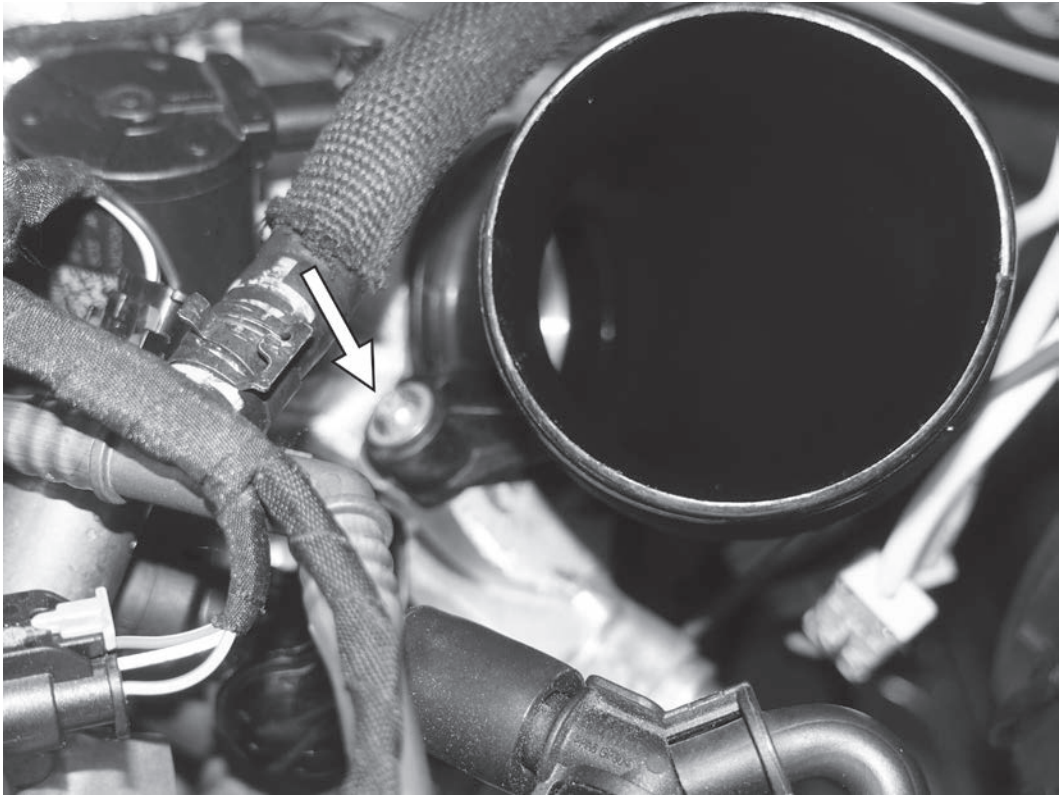
6) Use a pick to help push the vacuum line off the side of the factory airbox. If equipped, remove the secondary air connection by pressing in on both sides of the connector at the airbox, and then pulling the connection off the airbox.





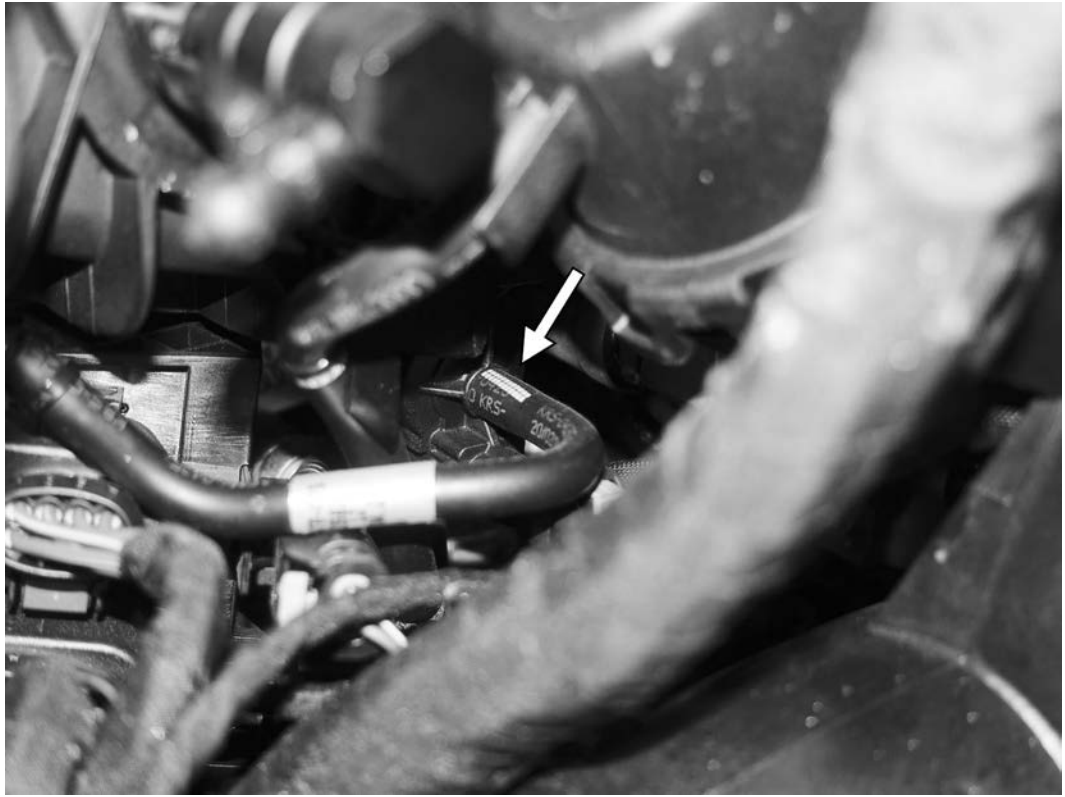
7) Loosen the 7mm screw on the clamp that connects the airbox inlet pipe to the turbocharger. Once loose, firmly pull the inlet pipe off the turbo inlet.

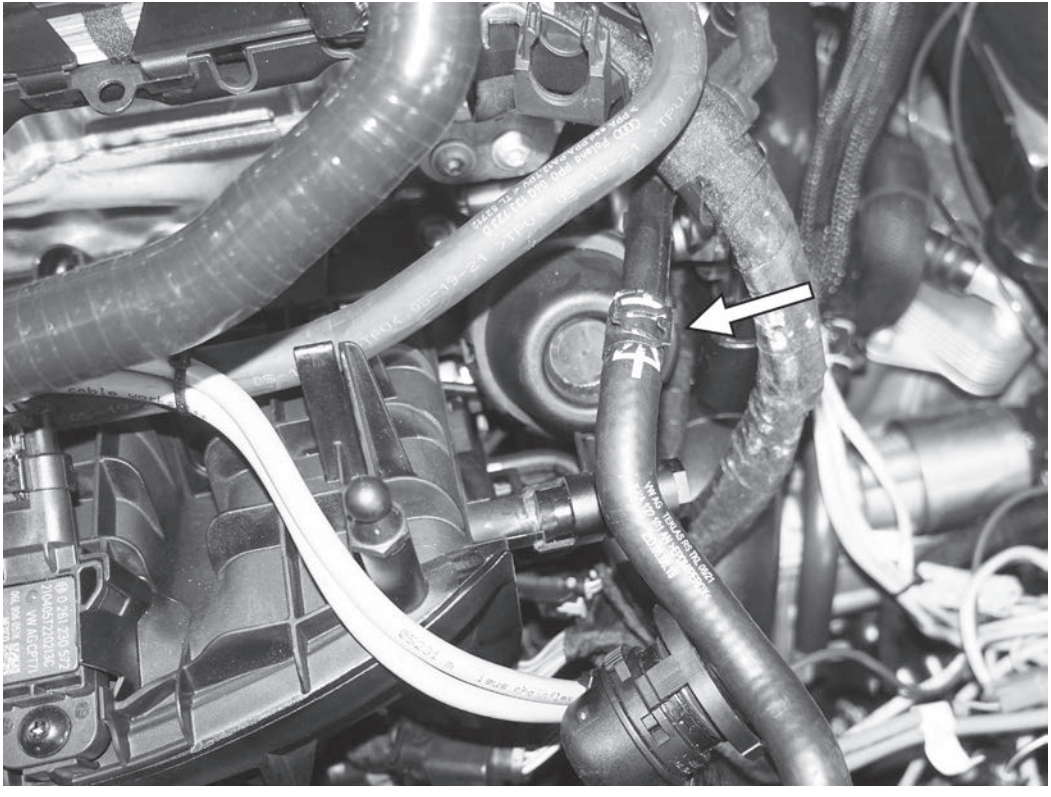
8) Placing both hands under either side of the airbox. Lift straight up on the airbox assembly, pulling it off the rubber mounting grommets underneath. Remove the airbox with the airbox inlet pipe attached from the car.



9) On the turbo inlet pipe, remove the T30 screw holding the inlet in place. Once removed, rotate the turbo inlet pipe clockwise, approximately 20°, to release it from the turbocharger.

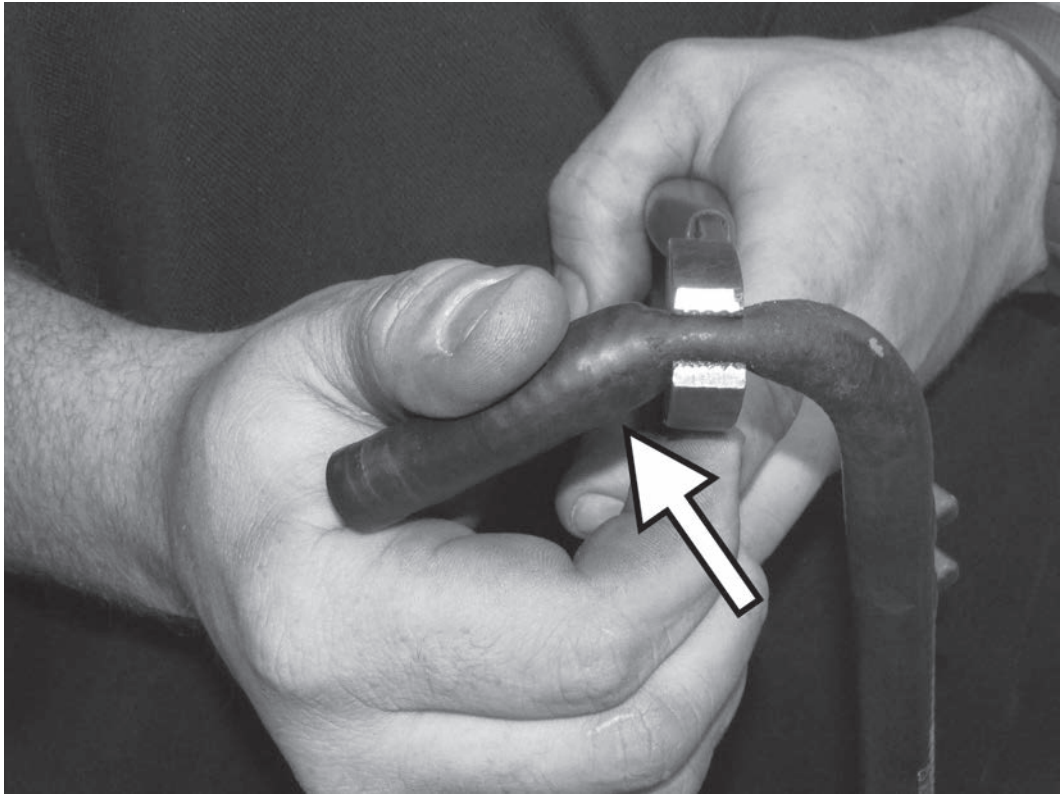
10) Follow the vacuum line that was previously attached to the airbox. Disconnect the line from the solenoid underneath the intake manifold. Install the supplied vacuum line to the solenoid.





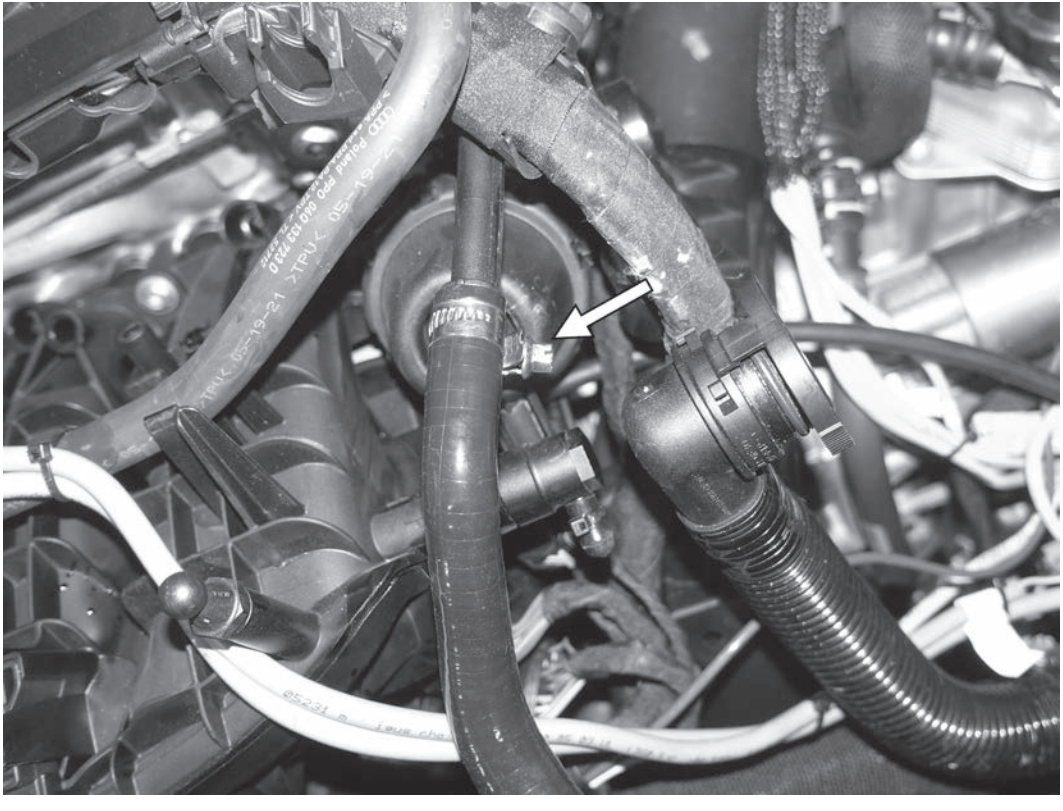
11) If not installing the APR coolant hose, tuck the factory coolant line under the APR airbox once installed, and skip to step 15. On the coolant line that ran over the airbox inlet scoop, remove the spring clamp that connects the hose to the metal pipe by the intake manifold. Remove the line from the pipe using a pick to loosen it. Use the supplied rubber cap over the metal pipe to keep the car from losing too much coolant.

12) On the other end of the coolant line, use a rotary cut off wheel to cut the metal crimp sleeve off the coolant coupling on the left side of the radiator. Remove the coolant line, using the supplied rubber cap to keep too much coolant from running out.



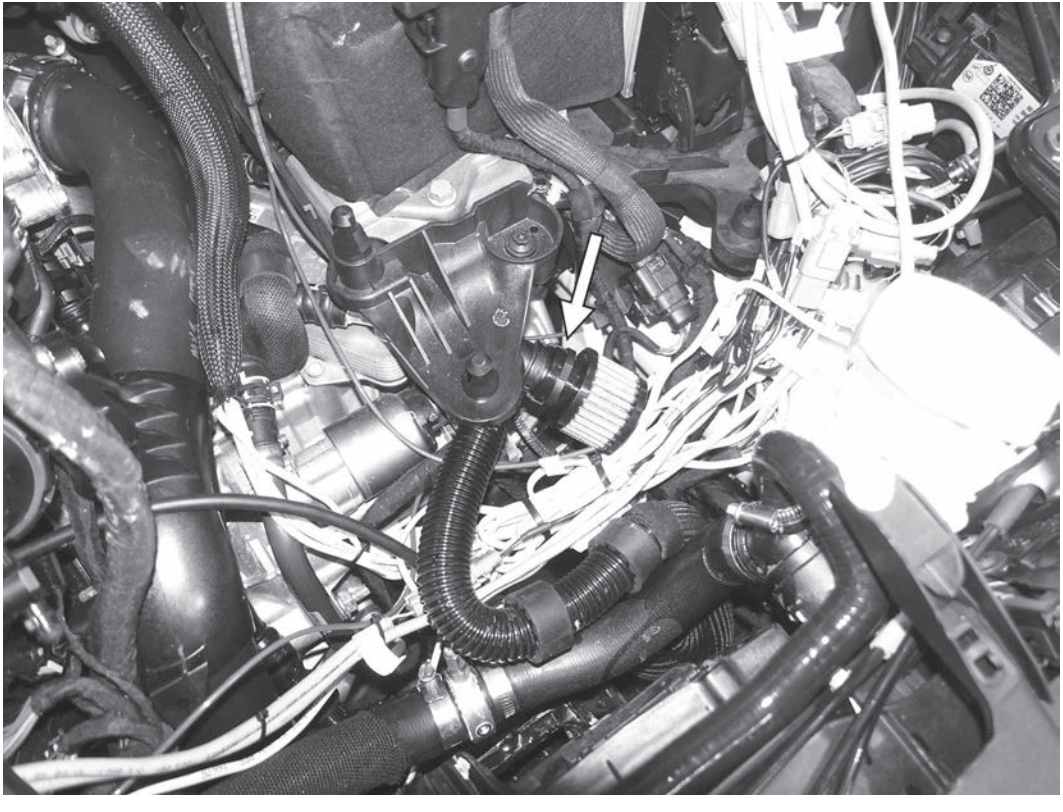
13) Inside the factory coolant hose is a one way check valve. Locate the check valve by squeezing on the line to find the ~1” long section of hose that has the hard plastic valve inside it. Using a pair of pliers, carefully squeeze the hose behind the check valve, and wiggle the line back and forth to work the check valve out of the hose. Note the orientation of the check valve as it comes out of the coolant line.

14) Install the one way check valve in the end of the APR hose that goes to the engine. Be sure to install the check valve in the same orientation as it was in the stock coolant hose.



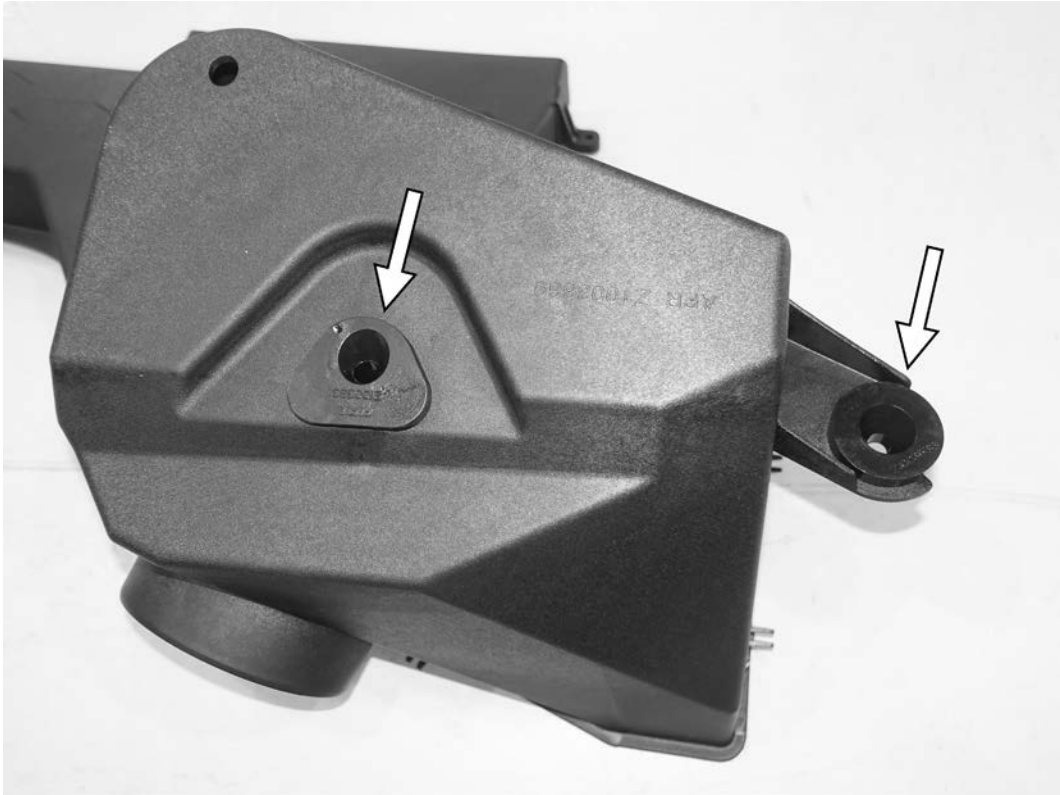
15) Remove the supplied cap from the metal pipe, and then install the APR coolant hose onto the coolant pipe by the intake manifold. Secure the hose with the supplied screw clamp.

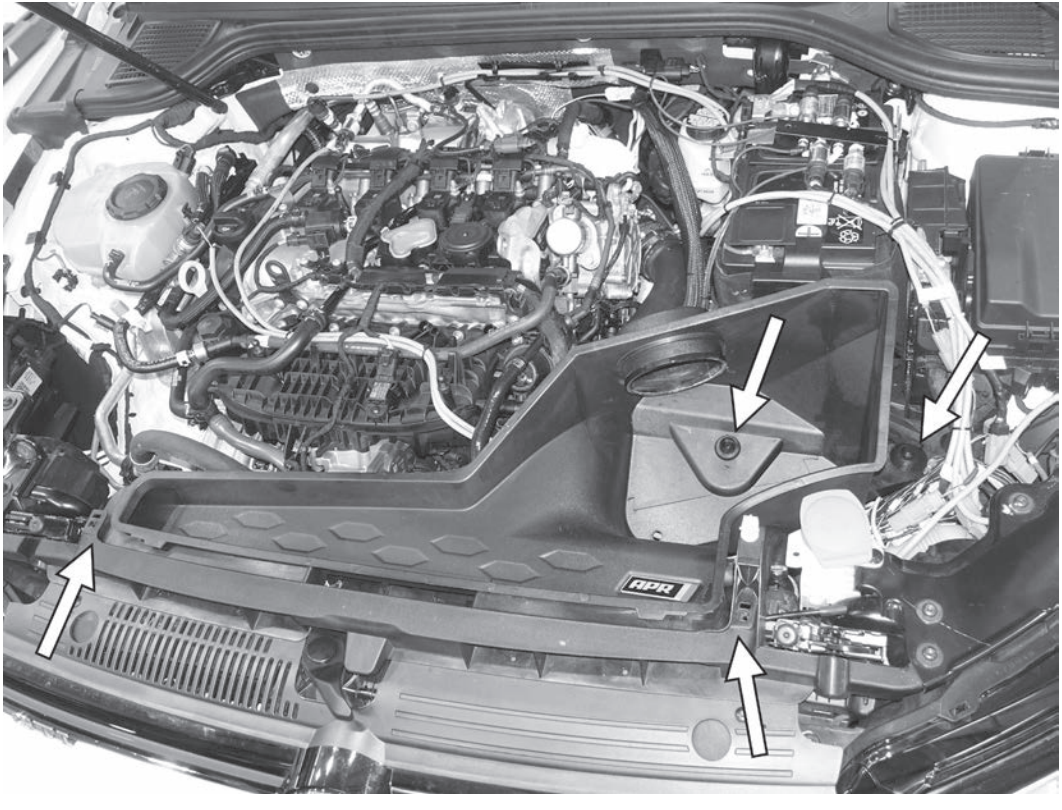
16) Remove the rubber cap from the coolant coupling, and install the APR coolant hose to the coupling, securing it with the bigger, supplied screw clamp.



17) If equipped, clip the APR secondary air filter into the end of the factory secondard air connection, and then tuck the filter and pipe under the airbox mount. Secure the pipe with the supplied cable tie.

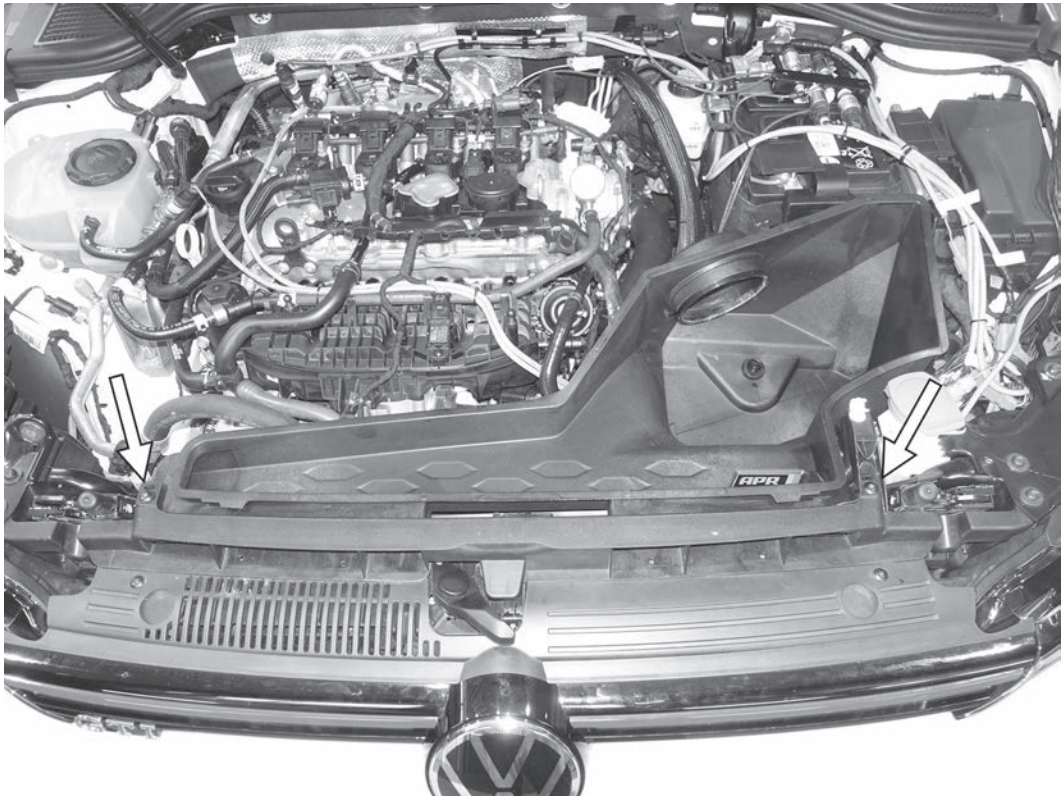
18) Install the two supplied grommets into the APR airbox base. The triangular grommet is directional, and needs to fit into the airbox as shown.





19) Place the APR airbox base in the car, pushing the installed grommets onto the factory airbox mounting posts. Make sure the sides of the APR airbox base aligns with the mounting tabs the factory airbox inlet base connected to the radiator core support. Ensure the APR airbox base is fully seated on the factory airbox mounting posts.

20) Some vehicles have a different air conditioning hose that may contact the back of the APR airbox. If your APR airbox does contact the hose, cut or grind off the airbox lid latching tab on the back of the APR airbox. If installing an APR airbox lid, also remove the corresponding latch from the airbox lid.



21) Install the two original T25 screws to secure the APR airbox base to the radiator core support. Tighten the screws to 2Nm (18in-lbs).

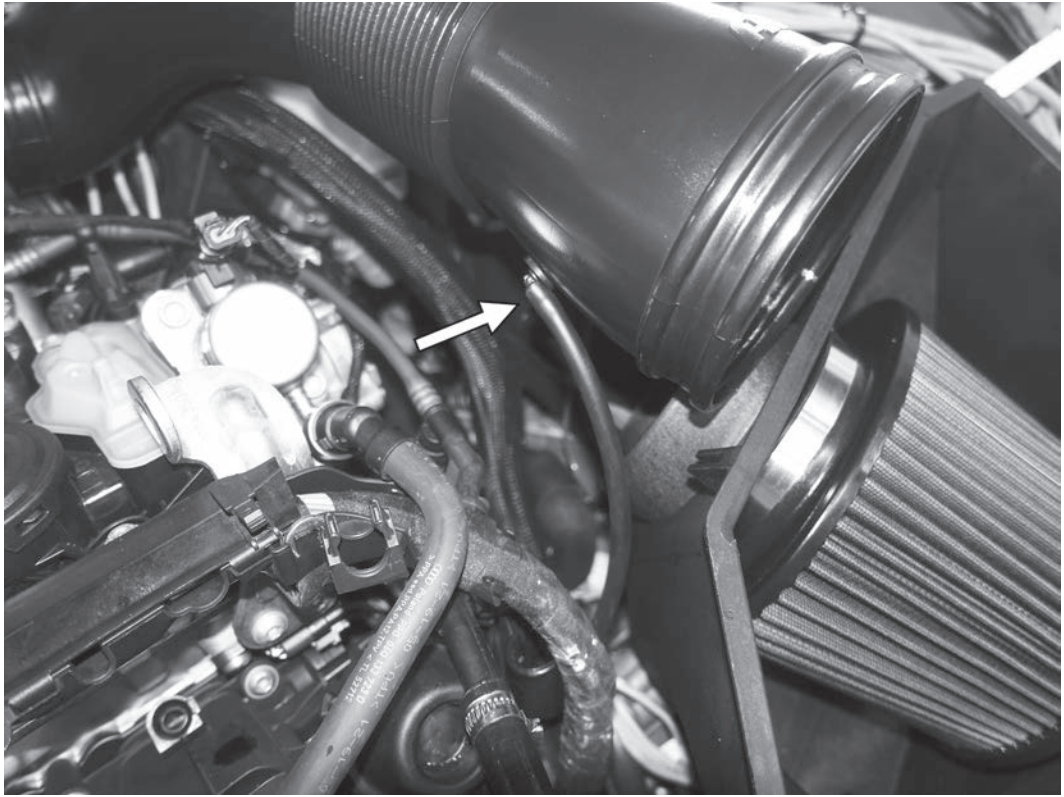
22) Lubricate and then install the supplied o-ring on the APR turbo inlet adapter. Push the inlet adapter into the turbo, ensuring the tab on the adapter seats into the slot on the turbo. The inlet adapter will be about 20° off clockwise from where it will finally sit.

23) Once the tab on the APR inlet adapter is seated correctly, rotate the inlet adapter approximately 20° counter-clockwise until the mounting screw tab is aligned with the mounting screw hole on the turbo. Install the original T30 screw, and torque the screw to 9Nm (80in-lbs).

24) Install the APR filter with the supplied clamp onto the inside of the APR airbox. Make sure the filter is fully seated on the flange, and then tighten the clamp to 6Nm (53in-lbs).

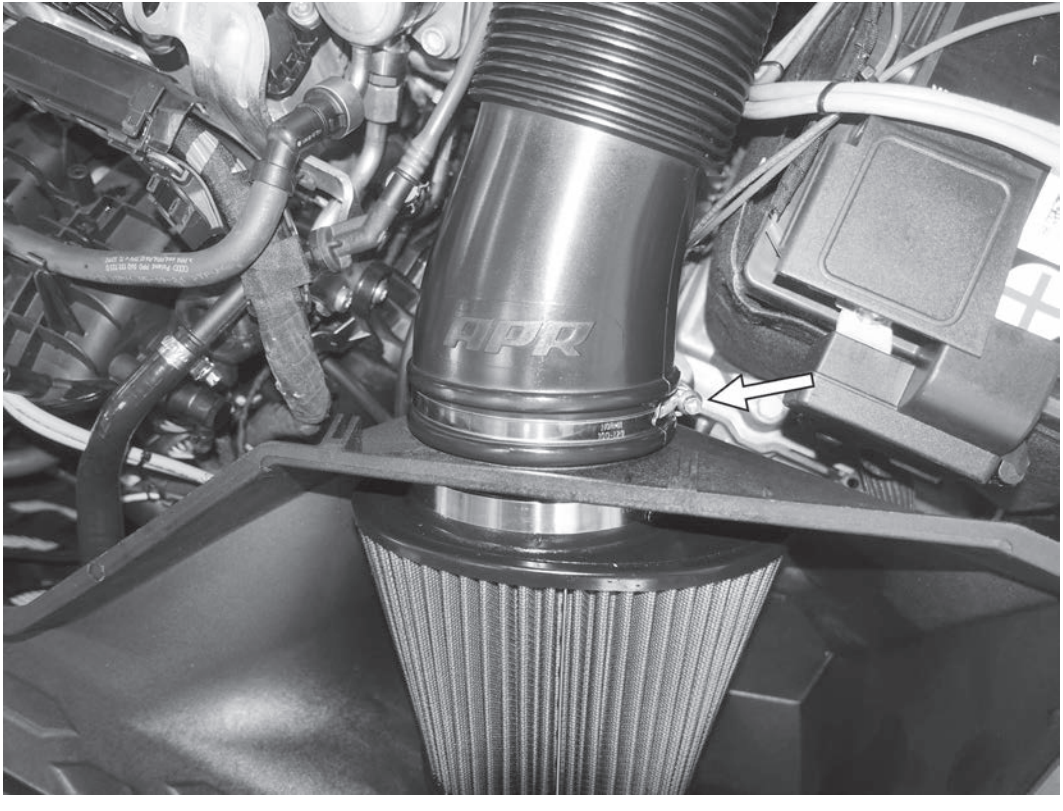
25) Install the supplied rubber grommet into the APR inlet pipe.

26) Install the supplied 90° barbed fitting into the rubber grommet in the APR inlet pipe.



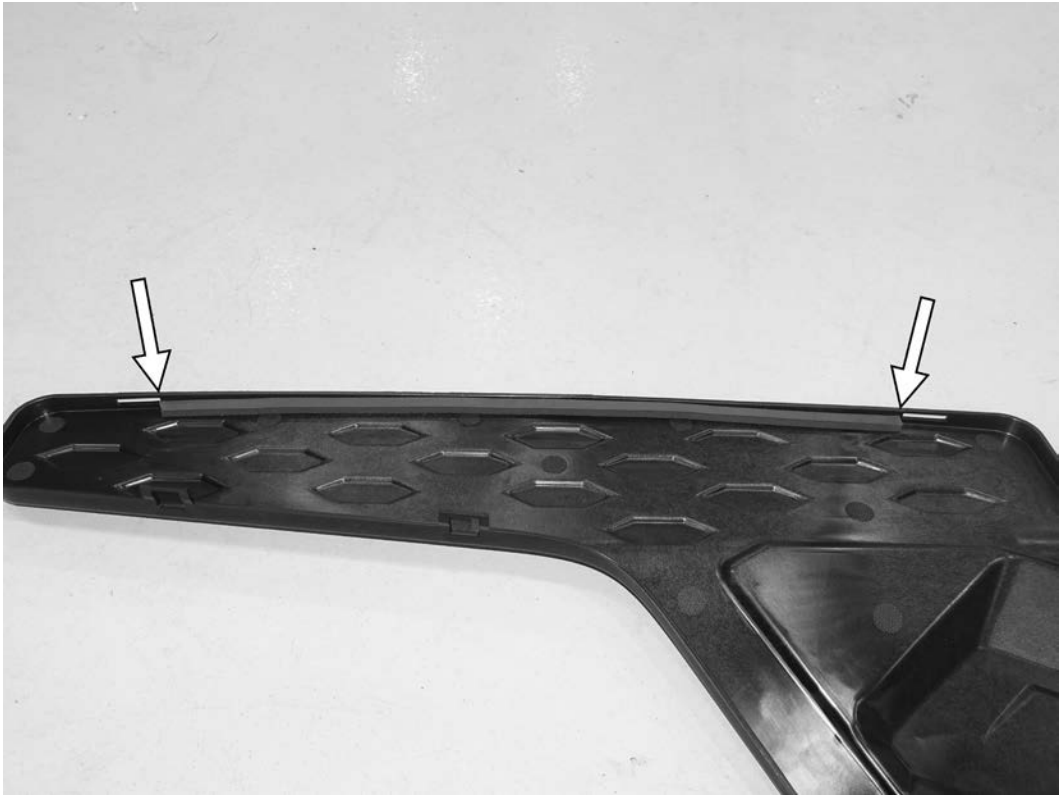
27) Install the previously attached rubber vacuum line onto the 90° barbed fitting on the side of the APR inlet pipe.

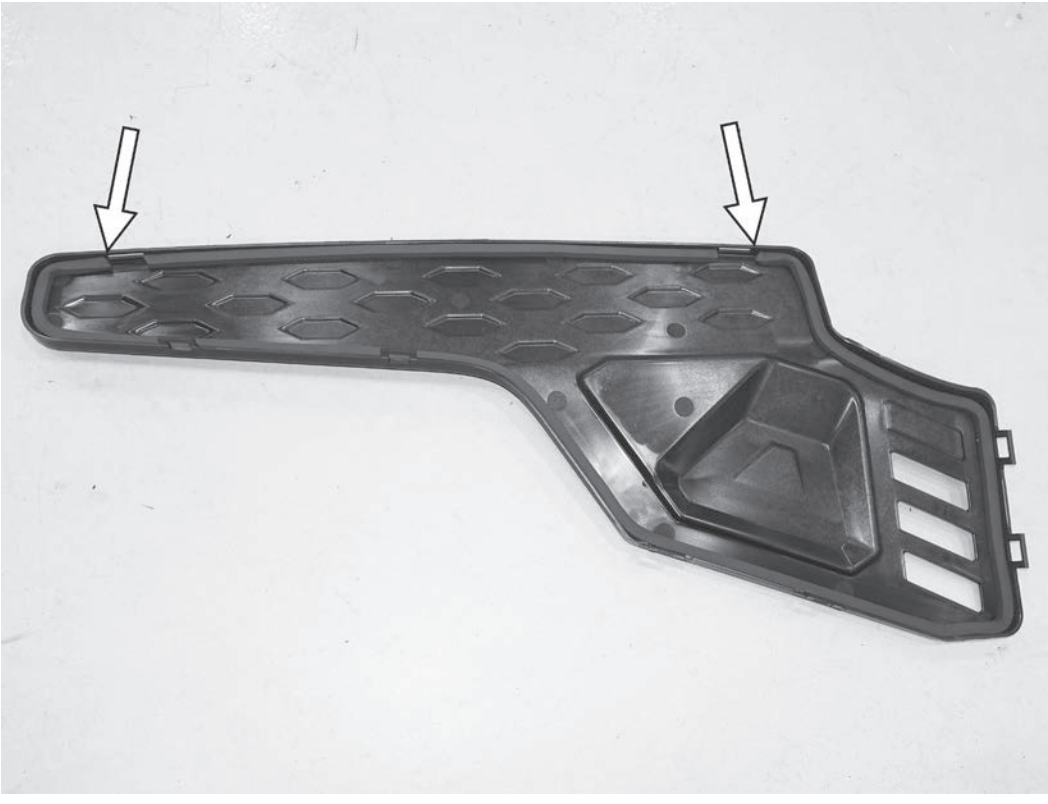
28) Loosely install the supplied hose clamps on both ends the APR inlet pipe. Install the APR inlet pipe on the APR turbo inlet adapter. The raised tab on the inlet pipe will align with the raised tab on the inlet adapter when correctly positioned.



29) Place the other end of the APR inlet pipe on the flange on the back of the APR airbox. Secure both clamps on the APR airbox to 6Nm (53in-lbs).

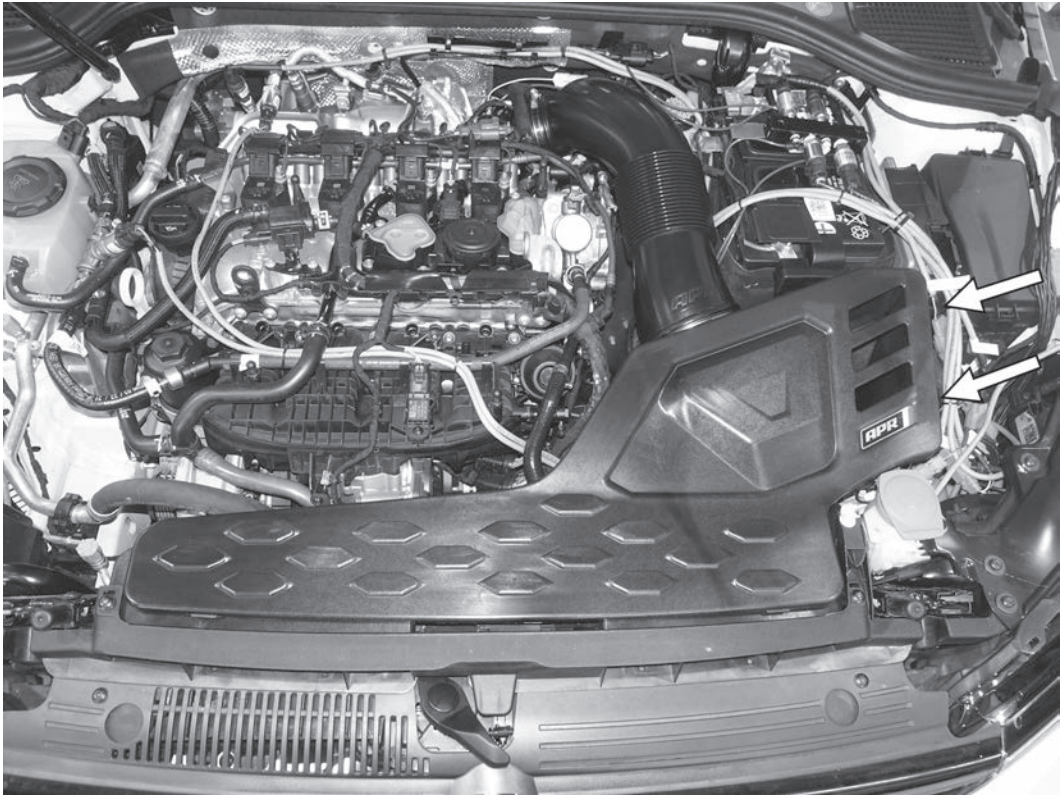
30) If installing the APR airbox lid, install the supplied foam tape on the bottom side of the airbox lid, between the two tab slots that are in the front of the lid.





31) Install the remainder of the supplied foam tape around the rest of the bottom side of the APR airbox lid, leaving the area behind the two tab slots open.

32) Install the airbox lid on the APR airbox by putting the front side of the cover on first. Ensure the two tabs on the front of the airbox go into the slots on the front of the airbox lid. Then, rotate the back of the airbox lid down. The lid will snap onto the tab on the right side of the APR airbox.



33) Push the APR airbox lid down on the APR airbox. Make sure all tabs snap into place, including the two on the left side of the airbox lid.

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