

STILLEN

INSTALLATION INSTRUCTIONS



STILLEN HI-FLOW INTAKE KIT:

2018 KIA STINGER GT 3.3L TWIN TURBO

PART#: 402883/ 402883DF



WHAT'S IN THE BOX

2x AIR FILTERS WITH CLAMPS

2x INTAKE TUBES

2x COUPLERS

4x URETHANE HEAT SHIELDS

2x FILTER MOUNTING BRACKETS

MISC. HARDWARE

TOOLS NEEDED:

- ASSORTED SOCKETS AND WRENCHES
- +/- SCREWDRIVER
- ASSORTED PLIERS



WARNING:
IF YOU ARE NOT EXPERIENCED IN THE AREA
OF AUTOMOTIVE MECHANICS WE
STRONGLY URGE THAT YOU REFER THIS
INSTALLATION TO YOUR MECHANIC.

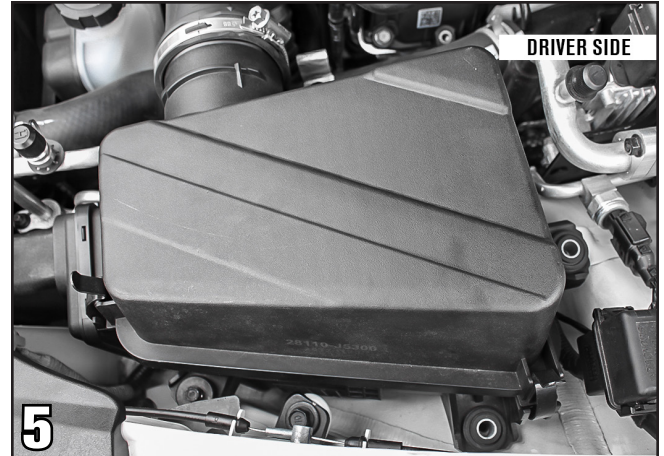
INSTALLATION INSTRUCTIONS

1. VERIFY THAT ALL PACKAGED PARTS INCLUDED ARE CORRECT.

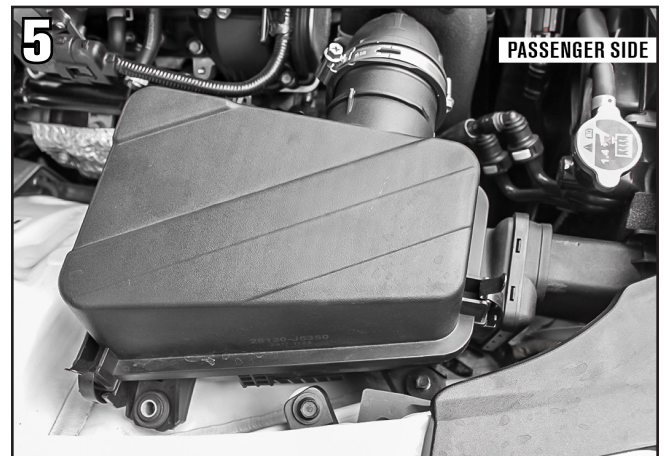


2. Disconnect the negative battery cable.

3. Remove the factory strut tower braces and set them aside carefully as they will be reused.



4. Remove the factory air intake by remove the band clamp from the factory intake boot and the clips holding the airbox lid to the lower air box.



5. Remove the factory fasteners that secure the lower air box to the inner engine bay. There are three fasteners per box.

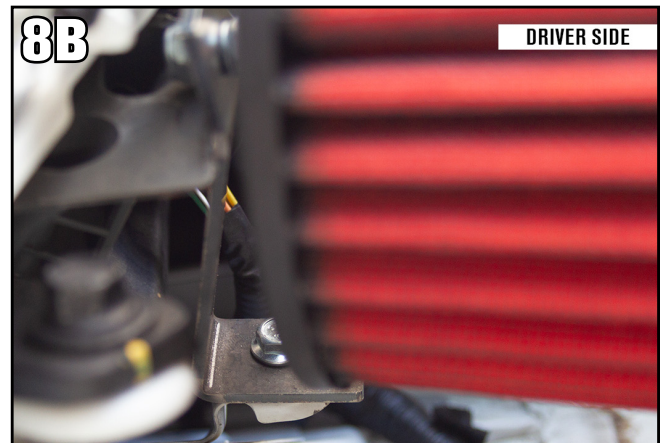
6. Remove the factory air ducts that mount to the front core support. There are two bolts per duct. Keep the fasteners as they will be re-used.



7. By this point you should have your factory air intake completely removed. Install supplied silicone couplers. One coupler has a 45 degree bend and the other has a 90 degree bend. Install the 90 degree bent coupler on the driver side and the 45 degree bent coupler on the passenger side. Leave clamps a little bit loose to allow for adjustment during final installation.



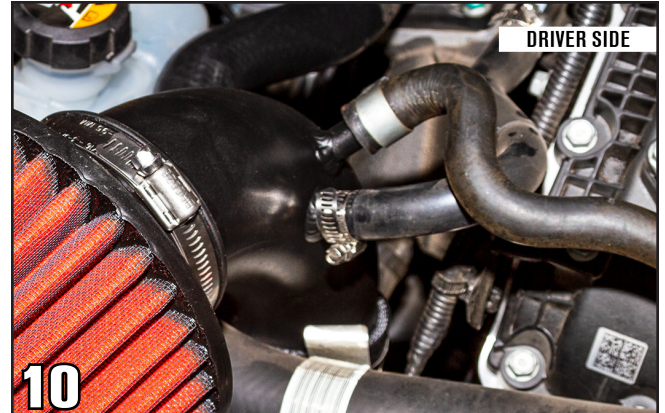
8. Next you will see two intake elbows. Follow through these next instructions without installing on the vehicle. Select the tube with three external ports exiting the tube. This is your drivers side intake tube. Proceed with mounting your intake filter on the end of this tube. The side that accepts the filter will be marked "filter." Again, loosely clamp the filter to the tube. Once you have attached the filter to the tube select the mounting bracket labeled "driver." Refer to image 8A for proper bracket orientation. Leave the bracket loose so that you can align it during installation. Now that you have the assembly together proceed with sliding the intake assembly into the previously installed silicone coupler. Using the OEM hardware attach the filter bracket to the appropriate mount as seen in image 8B.



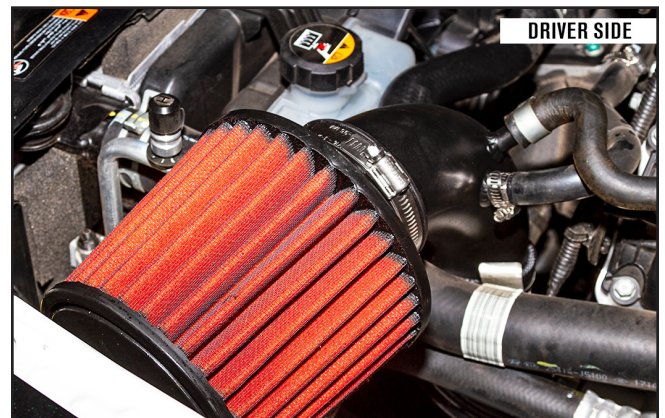
9. Re-connect the large hose coming from the by-pass valve.



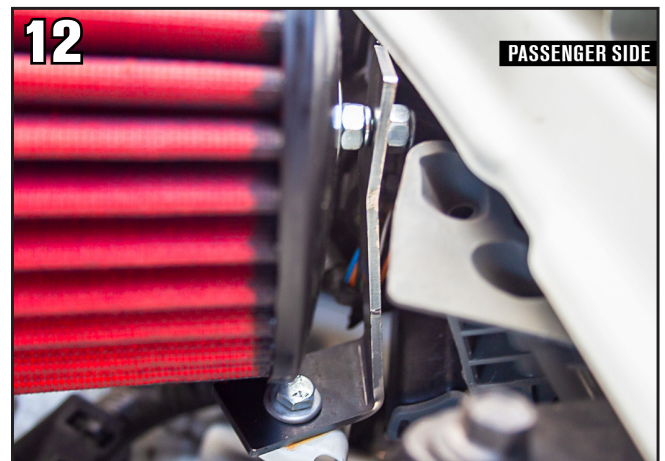
10. There are two smaller hoses that connect to the intake elbow. One hose that leads to the front of the engine block and another that leads to the rear. The hose that leads to the front of the engine block needs to be swapped around in order to complete the installation. This means that the hose that normally attaches to the factory intake tube will now attach to the factory metal tube and the side that normally attaches to the factory metal tube will attach to the STILLEN intake. The rubber hose that leads to the back of the engine installs in its factory position. Reference image 10 for how this should look upon completion.



11. Once you have the filter and tube in their correct location proceed with tightening the filter bracket into place. Make sure you have sufficient clearance of the intake tube around the radiator hose. This is a tight fit but these two parts should not come into contact.



12. Turning your attention to the passenger side of the vehicle you will grab the remaining intake tube and install the filter and bracket. Follow image 12 for proper positioning. Using the OEM hardware attach the filter support bracket first and slide the intake tube into the silicone coupler. Once in place connect the factory by-pass valve hose. Once you have everything in place tighten down the filter support bracket



13. Before moving on make sure the tube is sufficiently inserted into the filters and the couplers. There should be no less than $\frac{3}{4}$ " insertion on both the filter and the silicone couplers. Failure to properly insert the intake tube could cause the tubes to slip out of their respective positions.

14. With the intake tubes in place install the heat shields. The shields are not marked driver or passenger but the reliefs for the factory strut tower brace indicate which cover goes where. Using the OEM hardware install the intake covers on the vehicle using the factory mounting points in image 14. On the passenger side there are two screws very close to each other, make sure to select the one that allows for the best fitment of the covers.

15. Once the upper shields are in place use the supplied self-tapping screws to attach the lower shields to the upper shields.

16. Now that the intakes have been installed go back and double check all fasteners and make sure there is sufficient clearance on all surrounding tubes and hoses.

17. You are now finished with the installation, and can now enjoy the benefits of the STILLEN Hi-Flow intake system.

