



FS Performance Engineering

Kia Stinger (2019+) Rear Diffuser Installation Instructions

Installation is quite simple.

Tools Needed:

- Flat head screwdriver or clip remover
- 10mm wrench
- 10mm socket / ratchet wrench
- Extension (possibly)
- Small level

Included in Kit:

- (1) Diffuser
- (2) Outer “stinger” pieces (left and right)
- (1) Diffuser “S” bracket
- (2) Short exhaust stainless steel shield brackets
- (2) Long exhaust stainless steel shield brackets

- (19) M6-1.0 x 20mm hex flange bolts
- (15) M6-1.0 nyloc nuts
- (16) ¼” ID, 1” OD Fender washers
- (15) ¼” small washers
- (4) ¼” lock washers

Steps:

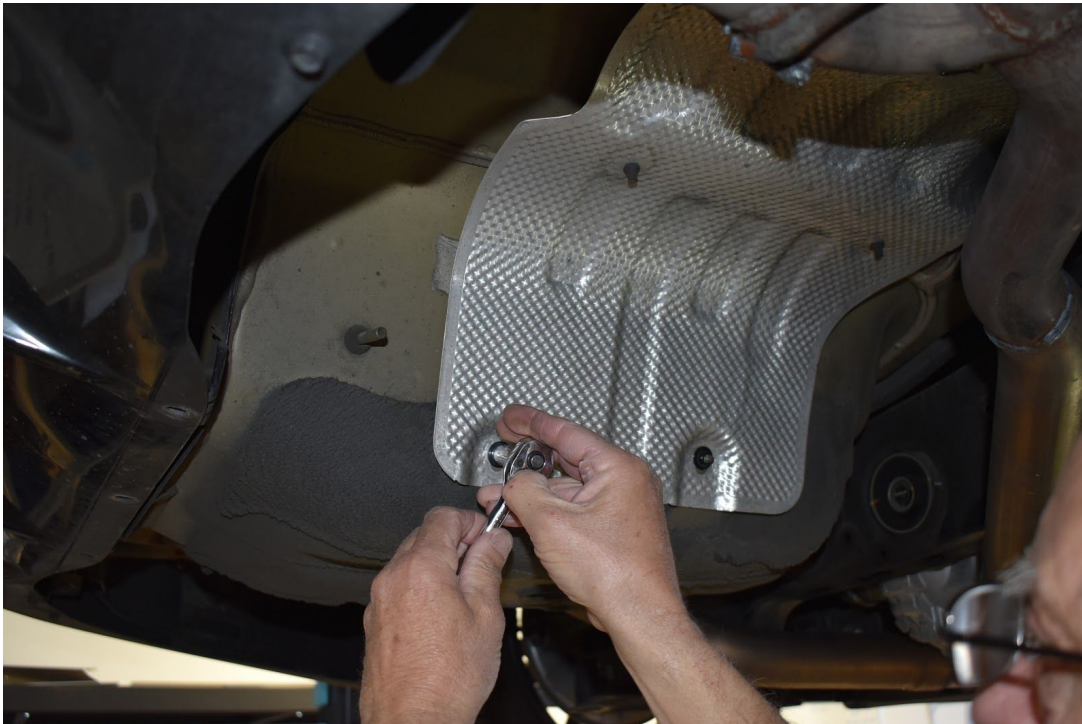
- 1.) Raise the rear of the car and secure with jack stands.
- 2.) Begin by installing the center diffuser. Identify and remove the three clips just under the center of the rear bumper. Use a flat head screwdriver and/or clip remover.



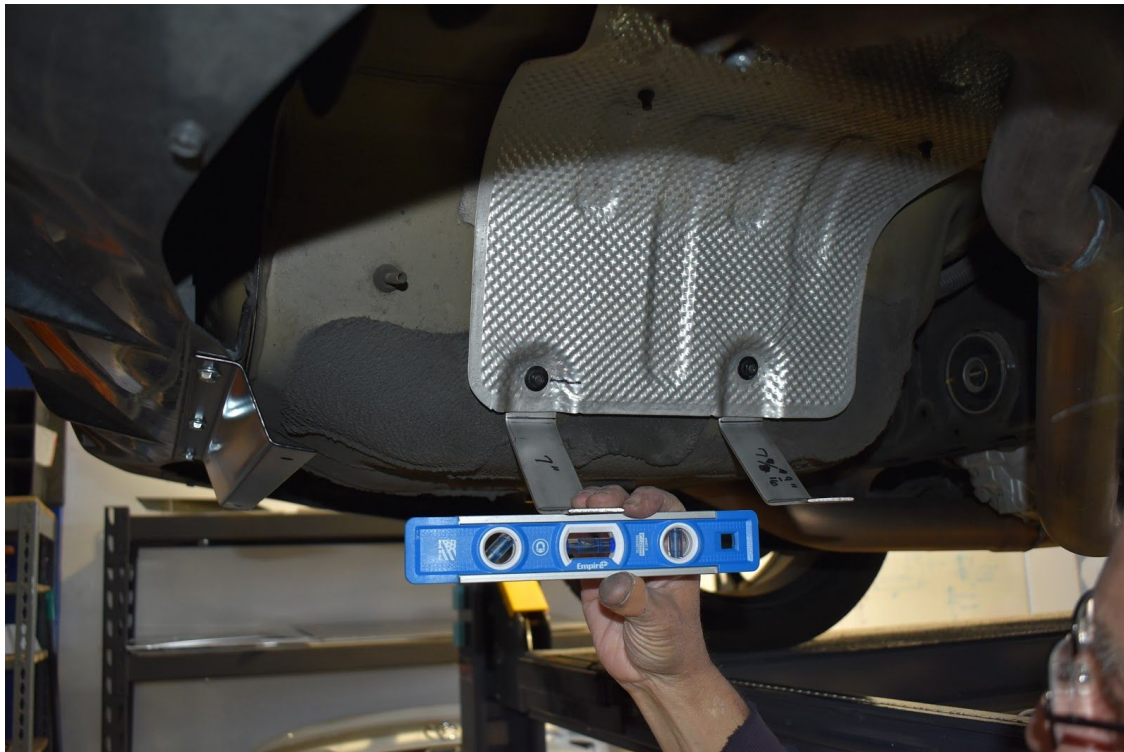
3.) Install our “s” bracket into those three holes as shown. Use M6-1.0 x 20mm bolts pointing upward with ¼” small washers and M6-1.0 nyloc nuts on top. Securely tighten.



4.) Identify and remove the 10mm bolts found on the left and right sides of the trunk bottom.



5.) Install the supplied stainless steel exhaust brackets as shown on both sides of the trunk bottom. They sit behind the shield and use OEM nuts. The shorter bracket goes toward the back, and the longer bracket toward the front. The difference between the two brackets is that one tab is longer than the other. Make sure they are level and securely tightened.

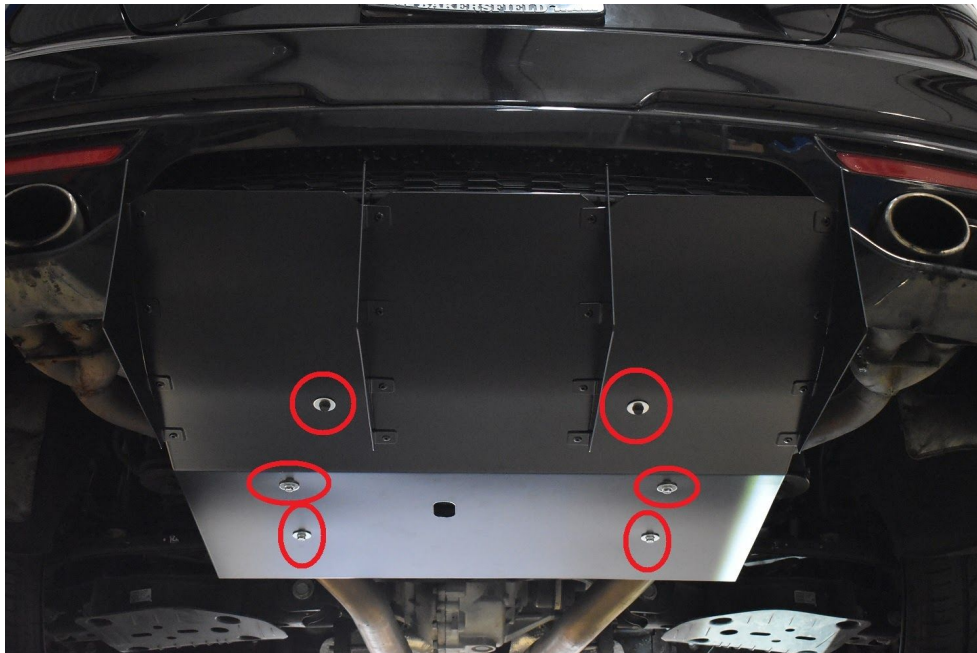


The brackets should look like this:

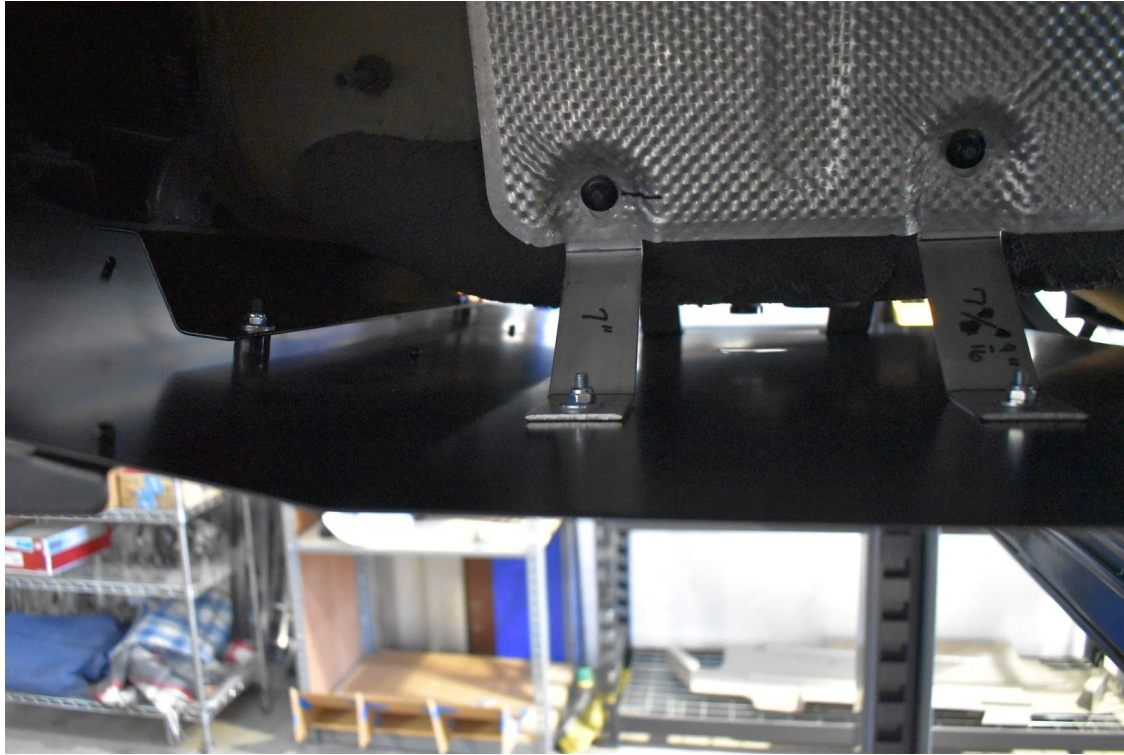


6.) Install your diffuser! Install it onto the rear “s” bracket first with M6-1.0 x 20mm bolts pointing upward with 1” OD fender washers under the heads, and ¼” small washers + nyloc nuts on top. Securely tighten.

Then install your diffuser onto the brackets from the previous step. Use the same bolt/washer/nut combo as described above. Securely tighten.



View from above: (Ignore the spacers we used in this picture)

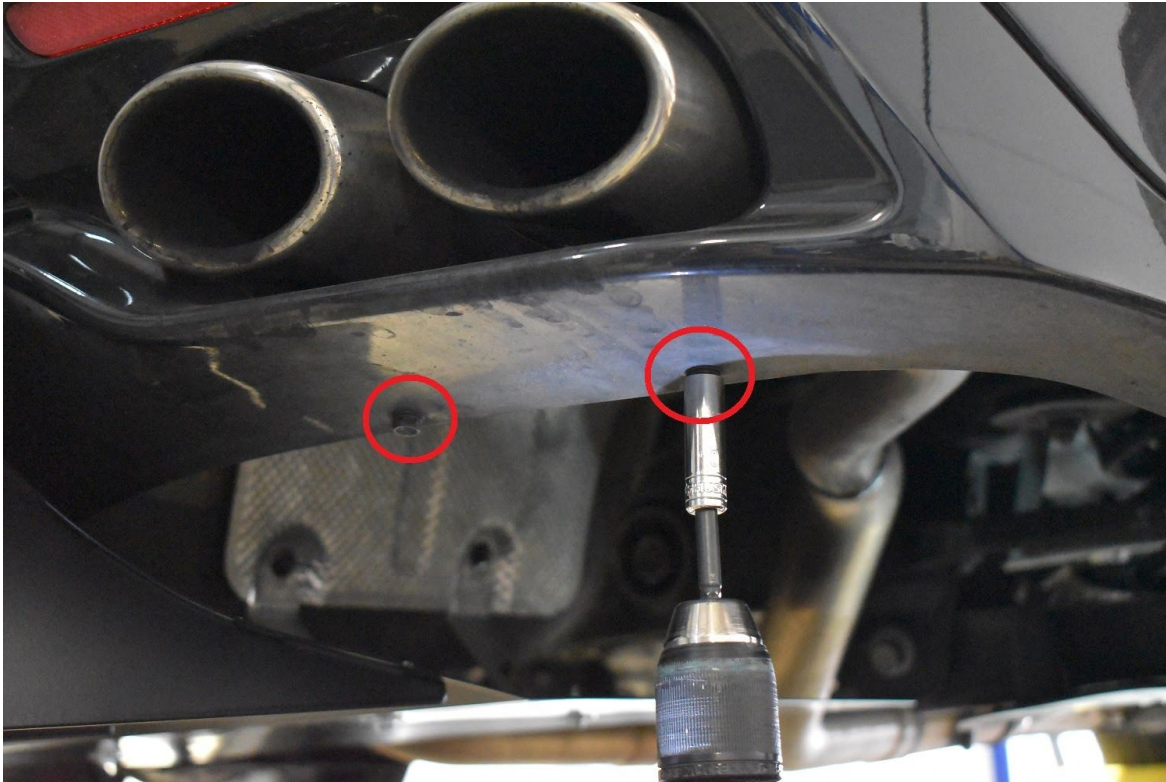


7.)Your center diffuser has been installed.

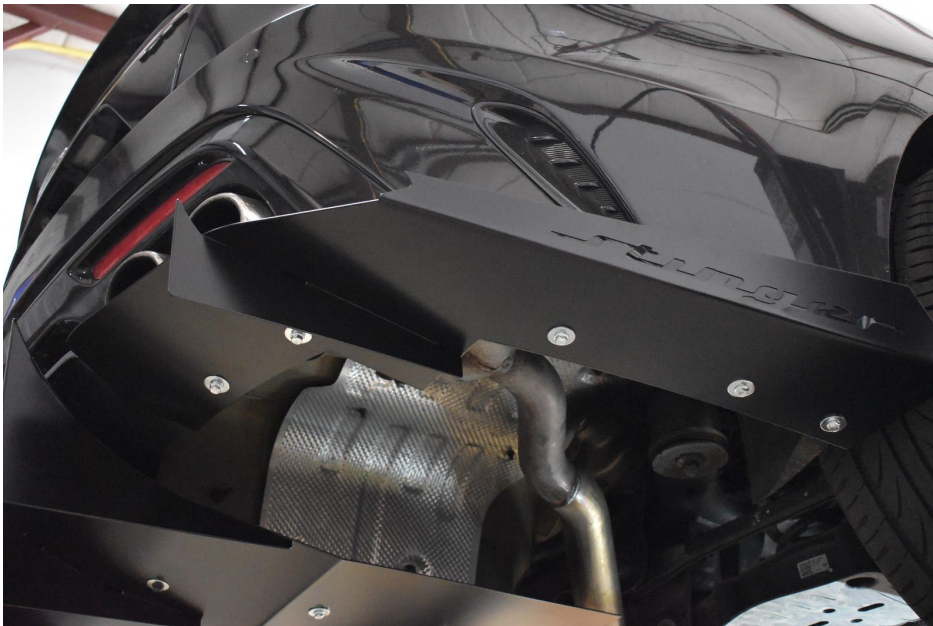
8.) Installing your outer diffuser pieces is extremely simple. No drilling necessary. Remove the 3 clips from both sides of the car as shown.



9.) Remove the two 10mm bolts found on either side of the bumper.

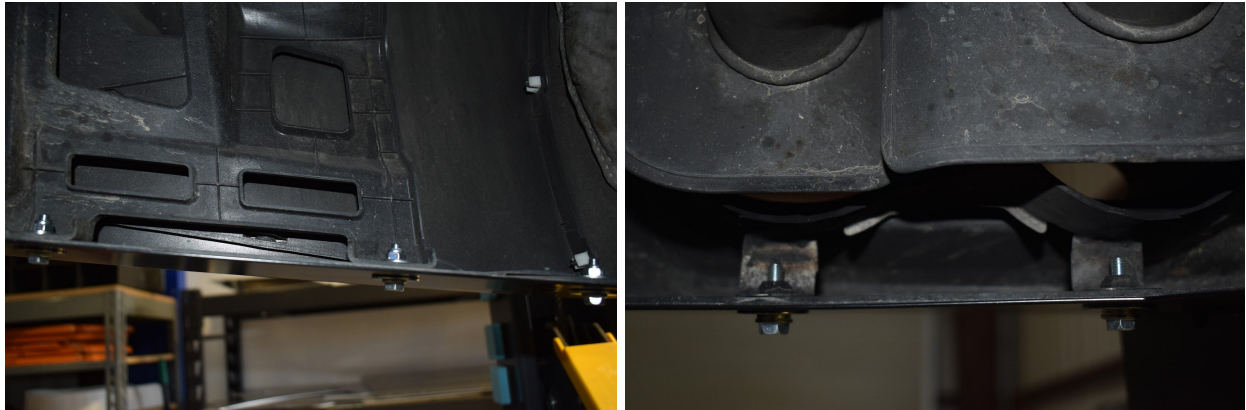


10.) Install your outer pieces into those holes just exposed from steps 8 and 9. The clips are replaced with M6-1.0 x 20mm bolts with 1" OD fender washers under the heads, and 1/4" small washers + nyloc nuts on top. The 10mm bolts that were removed from step 9 are replaced with M6-1.0 x 20mm bolts with 1/4" lock washers and 1" OD fender washers under the heads. Securely tighten.





Top view of bolts inside of bumper:



11.) You are done!!! Enjoy your new FS Performance Engineering aero! Be sure to use #FSPerformanceEngineering in the online world.



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Or call/text us at (661) 809-0954