



FS Performance Engineering

Subaru STI Hatchback 2008-14 Rear Diffuser Installation Instructions

Tools Needed:

- 10mm socket and wrench
- Ratchet wrench
- Long extension (11" recommended)
- Flat head screwdriver or plastic fastener remover

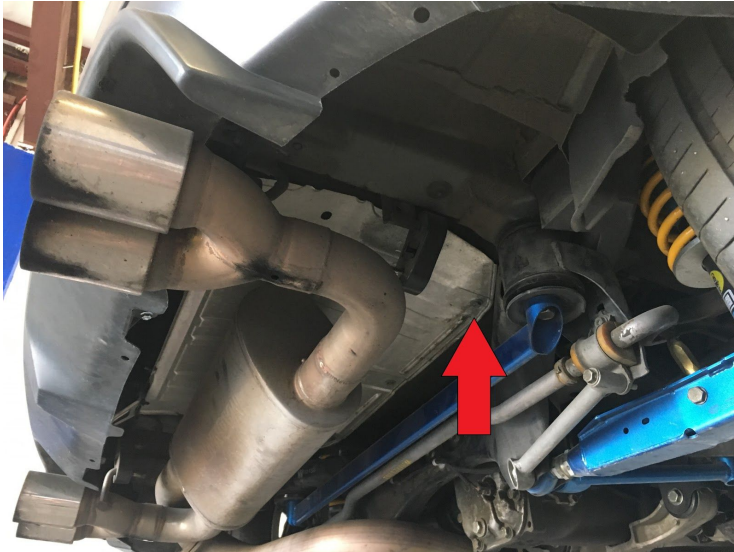
Included in Kit:

- (1) Diffuser
- (1) Heat sheet upper bracket
- (2) Bumper brackets
- (9) M6-1.0 x 20mm hex flange bolts (longer bolts)
- (9) M6-1.0 hex flange nuts
- (4) Bolt retaining clips
- (1) Loctite

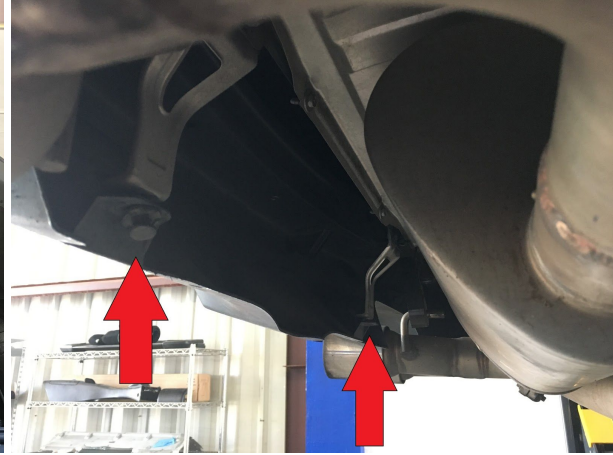
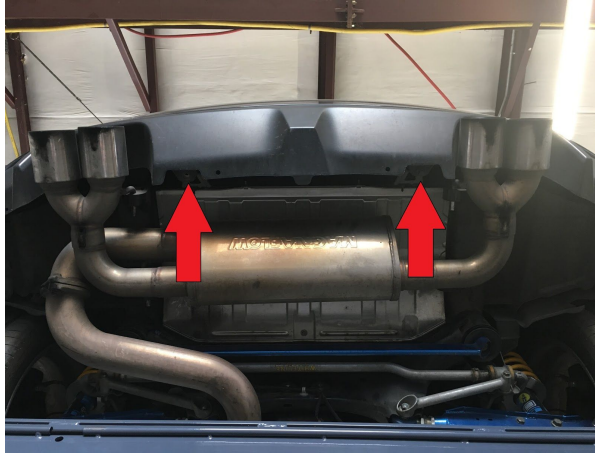
Steps:

Note before starting: Loctite is supplied in this kit for the bolts as a safety measure if you plan on leaving the diffuser on the car for an extended length of time (or plan on tracking the car).

1. Raise car and secure with jack stands.
2. Locate and remove the bolt on the passenger side of the heat shield using your ratchet wrench, 10 mm socket, and extension. Install the supplied heat shield bracket (longer bracket) **hand** tight using the bolt just removed.



3. Identify and remove the plastic fasteners at the rear of the bumper. Using the supplied bolts, install the two bumper brackets with the bolts facing upward and nuts on top. Straighten the bumper brackets as best and possible and **securely** tighten. The bolt should be sent through the bracket, plastic, and metal retaining piece.

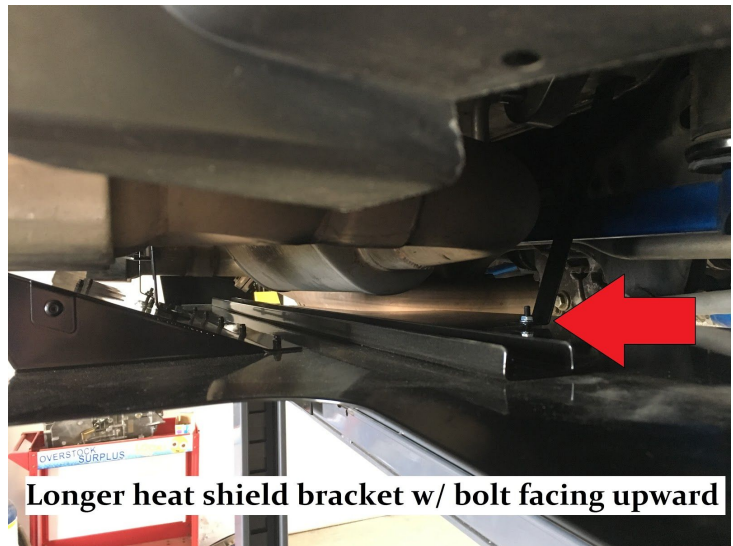
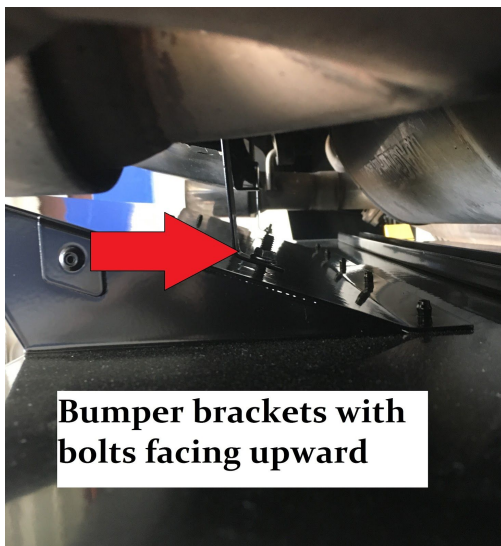
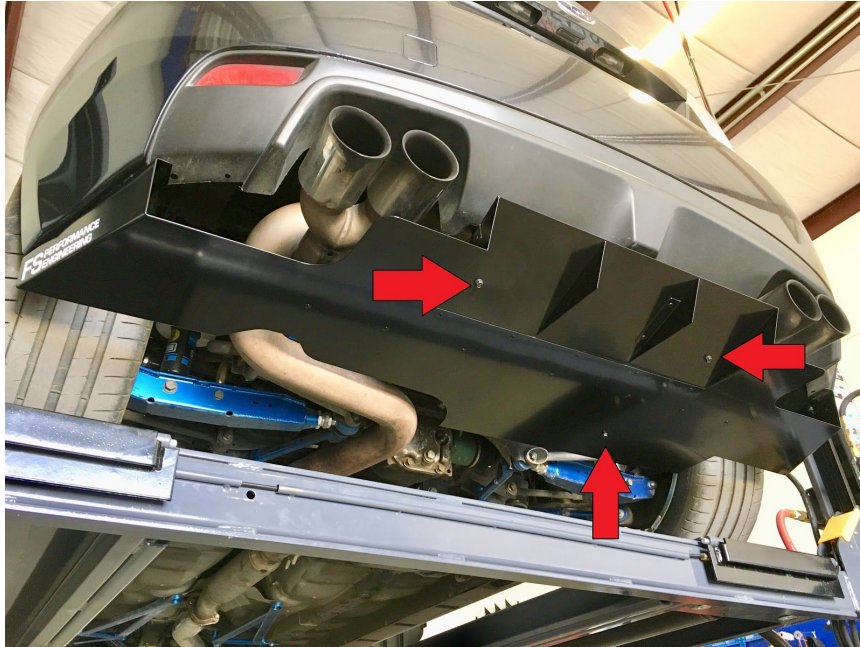


Send bolt up and secure with nut on top

4. Remove the two fasteners at each end of the bumper (first picture). Remove the two fasteners on the inside of the bumper (second picture). Drop in two bolts from the top of the bumper support, sandwich a bolt retaining clip on the bolt between the bumper support and bumper (third picture), and send the bolts through the bumper (fourth picture). Put the fasteners back into the bumper support (spots shown in second picture). *Note: if you are really having trouble there is a 5th fastener in the wheel well that can be removed, put it back if removed (5th picture).*



5. Install the diffuser starting with the long heat shield bracket toward the front of the car, then moving to the bumper brackets. Point the bolts upward and **hand** tighten. *Note: be careful not to push the 2 bolts on either side of the bumper back into the bumper (hence why we use retaining clips!)*



6. Adjust the diffuser so the 2 bolts on either side of the bumper slide into the 2 holes on either side of the diffuser. Place a nut on each of the bolts and **securely** tighten.





7. **Securely** tighten all of the remaining bolts that need tightening. Those should include:

- Upper heat shield bracket bolt
- Lower heat shield bracket bolt
- Left and right lower bolts in the bumper brackets

8. Enjoy your new FS Performance Engineering diffuser! Remember to send us pictures once it is installed.



For questions email costas@fspeinc.com or jim@fspeinc.com

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