



FS Performance Engineering

BMW 335i (2006-2012) Rear Diffuser Installation Instructions

Tools Needed:

- 8mm socket / ratchet
- 10mm open ended wrench
- 10mm socket / ratchet
- Short socket / ratchet extension (optional)
- Phillip's head screwdriver
- A friend (up to you)

Included in Kit for Center Diffuser:

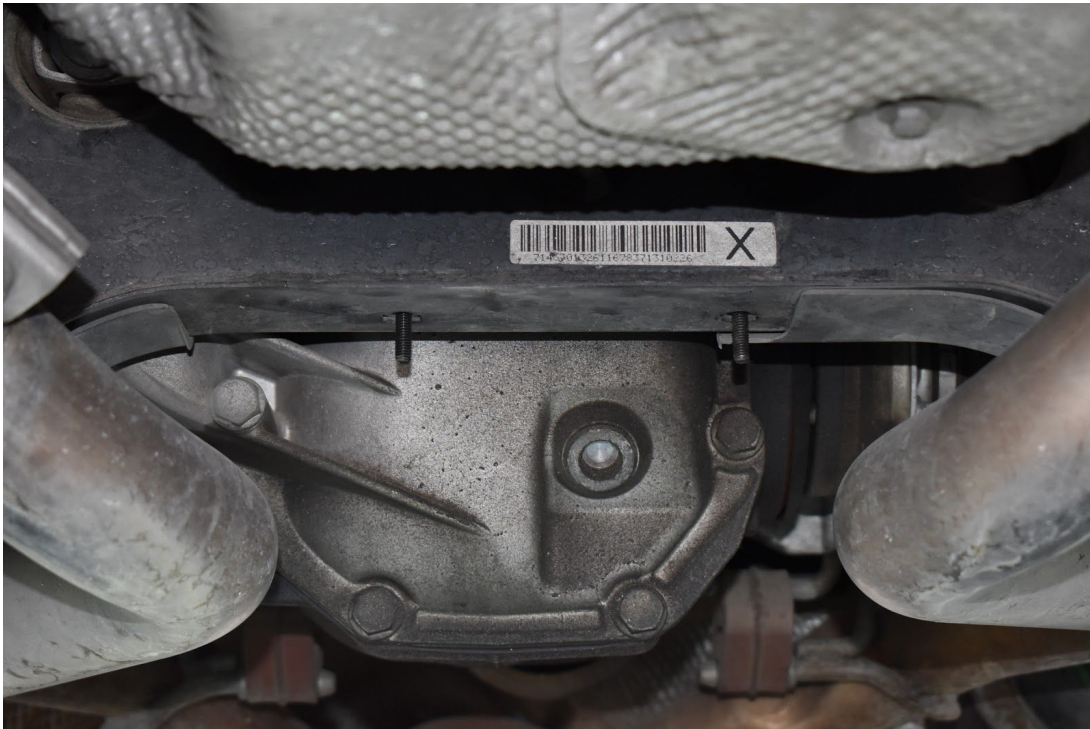
- (1) Center Diffuser
- (1) Squared Bracket
- (2) Hanger Brackets
- (8) M6-1.0 x 20mm hex head flange bolts
- (2) M6-1.0 x 40mm hex head flange bolts
- (10) M6-1.0 nyloc nuts
- (14) Small washers
- (4) M6 1" OD fender washers
- (2) 15mm spacers

Included in Kit for Outer Pieces:

- (12) 1" long body screws
- (12) Small washers
- (2) M6-1.0 x 20mm bolts (JUST IN CASE)
- (4) Additional small washers (JUST IN CASE)
- (2) M6 nyloc nuts (JUST IN CASE)

Steps:

1. Raise car and secure with jack stands. If you purchased only the outer pieces, skip to step 9.
2. Identify the two holes found in the frame just behind the differential. Drop two M6-1.0 x 20mm bolts + M6 small washers down into the two holes from above.



3. Secure the squared bracket at this location using two small washers and two nyloc nuts. Point it forward, or backward, up or down (it is symmetrical). You will need to hold the top of the bolt while tightening the nuts - might be a pain but this is the hardest part of the installation. Tighten securely.



4. Identify the holes found in the left and right brackets on the frame of the car (not sure what to call these things but they have L (left) and R (right) indications). Insert a M6-1.0 through each hole and attach the supplied hanger brackets (as shown, 4 pics) on the appropriate sides using small washers and nyloc nuts. DON'T tighten all of the way. Allow for some minor rotation.



LEFT:



RIGHT:



BOTH:



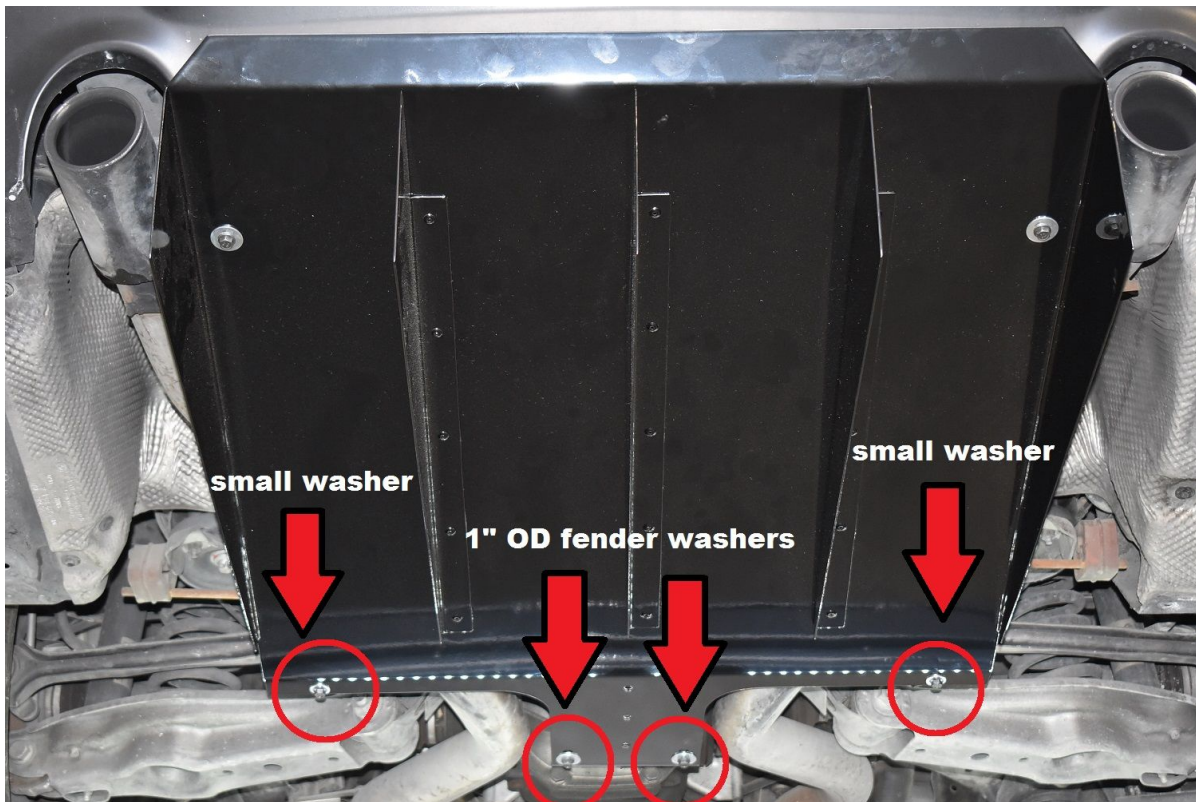
5. Identify the two bolts holding the bumper to the metal rods. Remove them with your 8mm wrench. Then remove the two speed nuts. (2 pics)



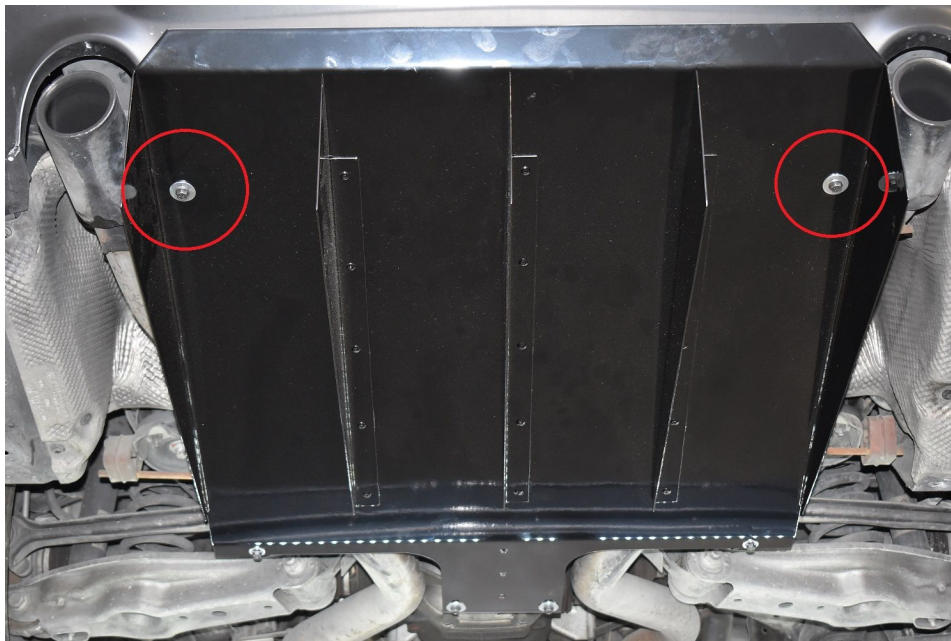
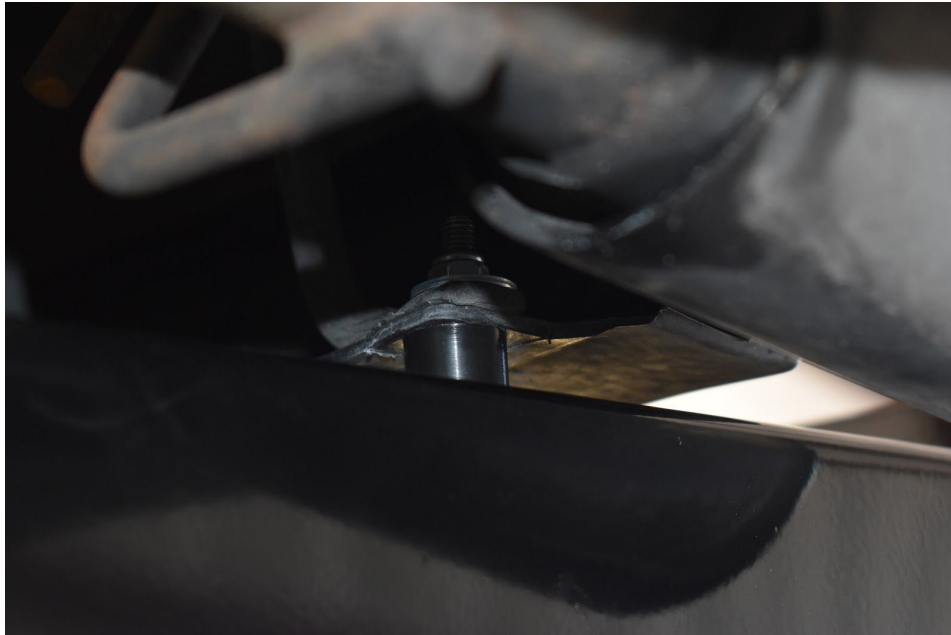


6. DIFFUSER TIME. With help from a friend install your diffuser onto the 3 installed brackets toward the front of the car. Use two M6-1.0 x 20mm bolts, two 1" OD fender washers (on the bottom), two small washers (on the top), and two nyloc nuts to install the diffuser onto the squared bracket. Use the same bolt/nut/washer set up for the hanger brackets EXCEPT INSTEAD use small washers on the bottom instead of the 1" fender washers. Point bolts upward and tighten securely. (3 pics)



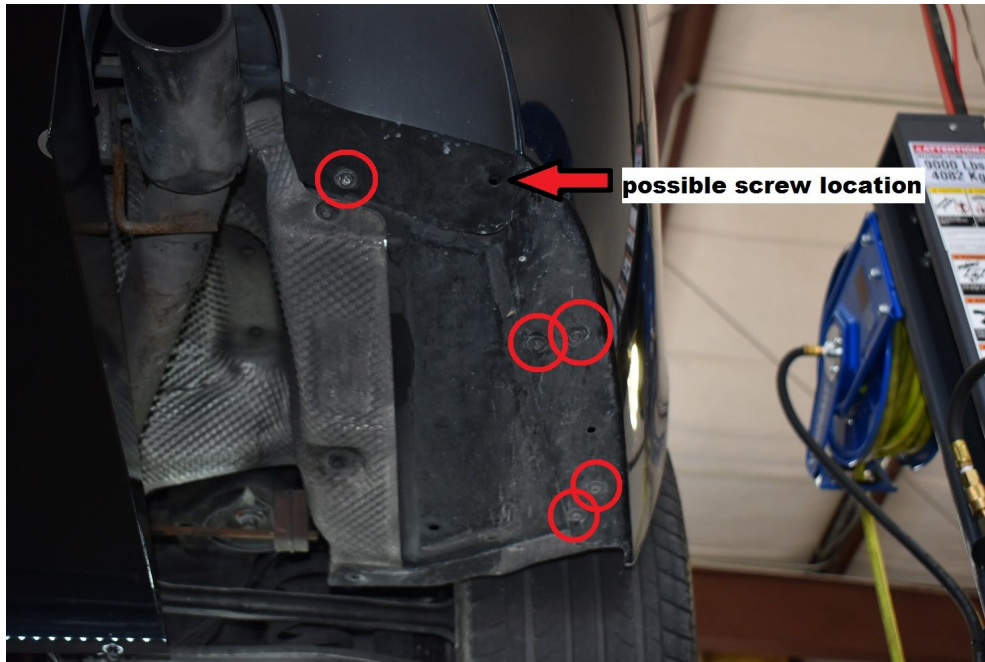


7. Install the two M6-1.0 x 40mm bolts + 1"OD fender washers through the diffuser and into the bumper mounts from step 5. Use the provided 15mm spacers between the diffuser and bumper, and place small washers + nyloc nuts on top. Tighten securely.



8. Go back to the bolts/nuts installed from step 4 and tighten them securely. You are done with the center diffuser! If you also bought the outer pieces, go to the next step.

9. Starting on the passenger side, identify and remove the 5 (or 6) screws holding the bumper up in the picture with your 8mm wrench.



10. Install the passenger side outer piece at these locations using 1" long body screws + small washers and your phillip's head screwdriver. If you are missing a screw in the location identified in the previous step, or if you want to double-assure the outer piece cannot come off during driving, you will want to install a supplied M6-1.0 x 20mm bolt into the hole with a small washer and nut on top. We used our small hands to fit between the exhaust tip and bumper to hold the nut on top while tightening. Tighten securely.





11. Repeat installation on the driver's side for the other outer piece.

12. Enjoy your new FS Performance Engineering rear diffuser! Don't forget to send us pictures it's installed.



For questions email costas@fspeinc.com or jim@fspeinc.com
Or call/text us at (661) 809-0954