



## FS Performance Engineering

### 2011-14 Subaru WRX Sedan Rear Diffuser Installation Instructions

#### **Tools Needed:**

- Fastener remover and/or flat head screwdriver
- 12mm, and 10mm wrench and/or socket
- Ratchet wrench
- Extension for ratchet (optional)

#### **Included in Kit:**

- (1) Center diffuser
- (1) Bumper mounting bracket
- (1) Rear sway bar mounting bracket
- (2) Bridges
- (2) Outer pieces
- (9) M6-1.0 x 20 mm hex flange bolts (longer bolts)
- (13) M6-1.0 x 12mm hex flange bolts (shorter bolts)
- (22) M6-1.0 hex flange nuts
- (2) Fender washers
- (2) 5mm Spacers

**Steps:**

1. Raise car and secure with jack stands.
2. Locate and remove the two plastic fasteners holding the bumper brackets as shown in the picture (the fasteners closest to the exposed bracket).



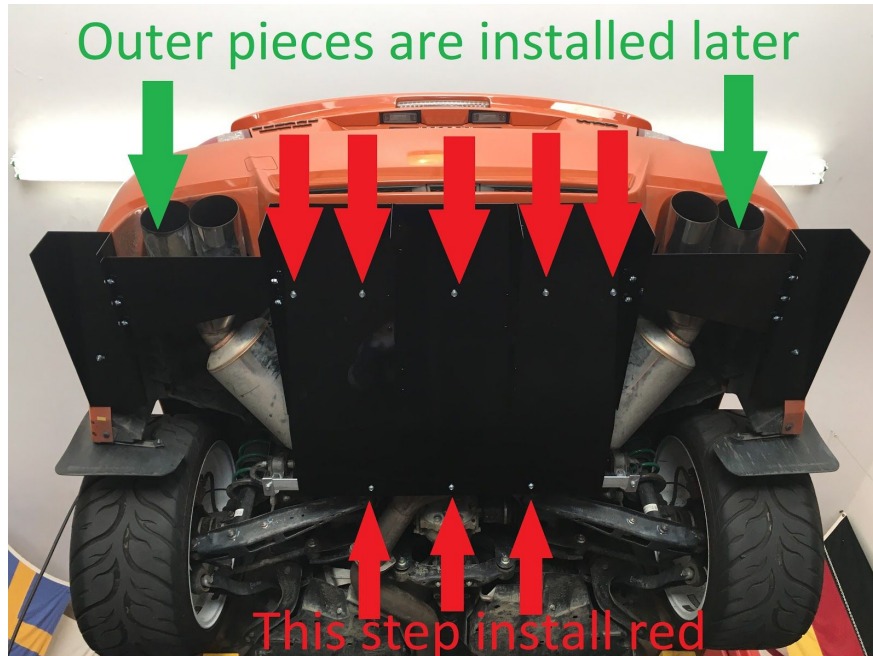
3. Insert two M6-1.0 x 20mm (longer) bolts into the holes from the rear. It might be a tight fit so screw the bolts through if necessary. Install the bumper mounting bracket using the supplied fender washers and nuts as shown in the picture below . Your bracket may have the letters “WRX” in a different position. Center the bracket with the bumper and securely tighten.



4. Locate and remove the two lower sway bar bolts (12mm heads). Install the supplied sway bar mounting bracket (yours may look a bit different) using these bolts and securely tighten. Use the picture below for proper positioning.



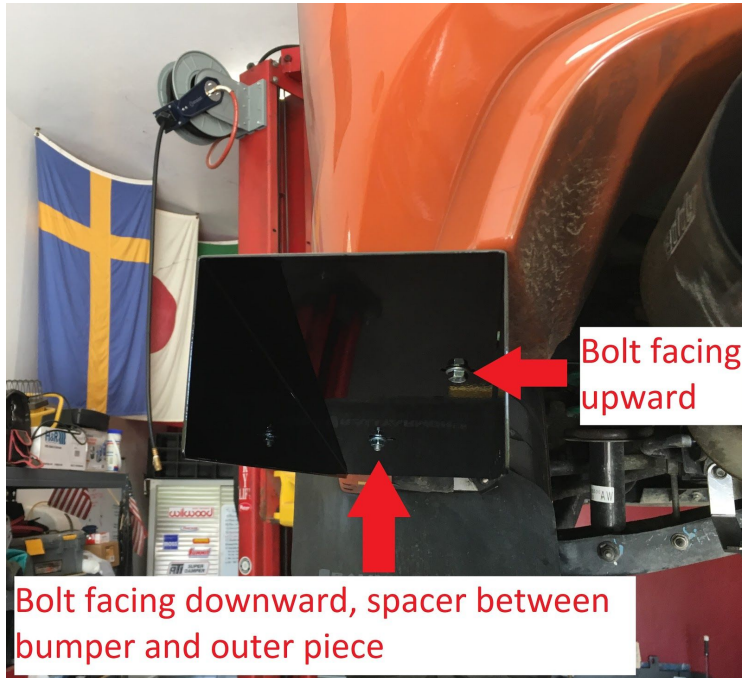
5. Install the center diffuser onto the rear bumper mounting bracket using (5) M6-1.0 x 20mm (longer) bolts and corresponding nuts. Assure the diffuser at the front is under the sway bar mounting bracket. Point the bolts upward and hand tighten. Install the center diffuser onto the sway bar mounting bracket using M6-1.0 x 12mm (shorter) bolts and corresponding nuts with the bolts pointing upward. Adjust the diffuser into the desired position (forward or backward) and securely tighten all (8) bolts and nuts.



6. Remove the clips on either side of the bumper (total of 4) using a flat head screwdriver or fastener remover.



7. Install the outer pieces using (2) M6-1.0 x 20mm (longer) bolts and a spacer on each side (as shown below). Install the rear bolt first facing up hand tight. Drop the second bolt in from the top and place the spacer between the car and outer piece. Hand tighten. Note: Left and right pieces are different. The three holes on the side of each outer piece should face inward.



8. Install the bridges using (5) M6-1.0 x 12mm (shorter) bolts and corresponding nuts on each side. Tighten securely. Go back and securely tighten the outer pieces so they are flush with the ground.









9. Enjoy your new FS Performance Engineering diffuser!!



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