



## FS Performance Engineering

### Ford Focus 2016-2018 Rear Diffuser “Wiggle Room” Installation Instructions

#### **Tools Needed:**

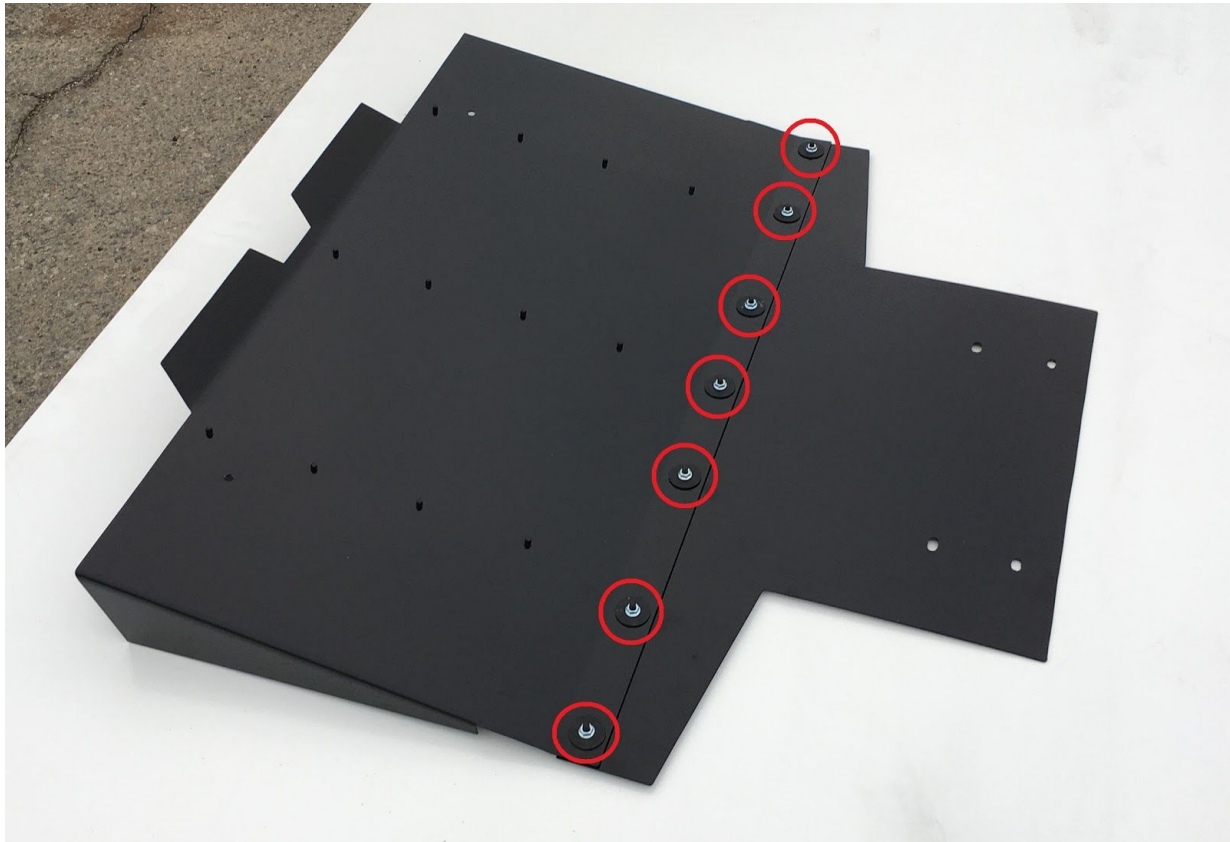
- Two 7/16” open end wrenches
- 5/16” wrench or socket/ratchet
- 10 mm wrench and ratchet + socket

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

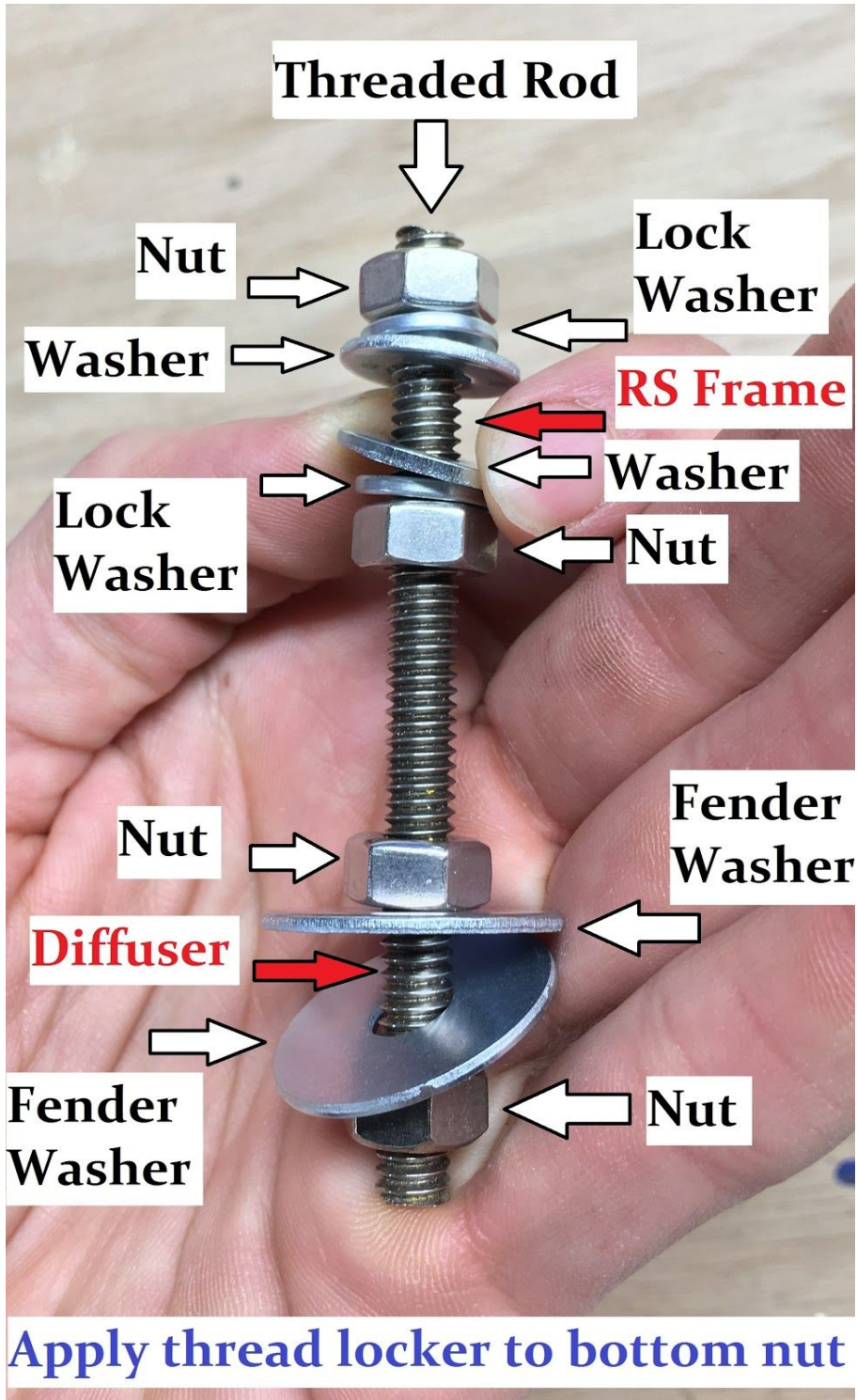
- (1) Center Diffuser
- (1) Diffuser Extension
- (2) ¼” diameter, 3 ¼” long threaded rods (referred to as **short** length)
- (2) ¼” diameter, 3 ⅝” long threaded rods (referred to as **medium** length)
- (2) ¼” diameter, 4” long threaded rods (referred to as **long** length)
- (24) ¼” nuts with 7/16” heads
- (12) 1” diameter fender washers (for ¼” threaded rods)
- (12) ¼” lock washers
- (12) ¼” washers
- (1) Thread Locker
- (7) M6-1.0 x 12mm bolts
- (7) M6-1.0 lock nuts

**Steps:**

1. Raise car and secure with jack stands.
2. Bolt together the center diffuser and diffuser extension using seven M6-1.0 x 12mm bolts and M6-1.0 lock nuts. These bolts/nuts have 10mm heads. Point the bolts upward with the nuts on top. Tighten securely using a small ratchet and wrench. Ignore the nylon washers in the picture - they were present to protect the powdercoat for test fitment.

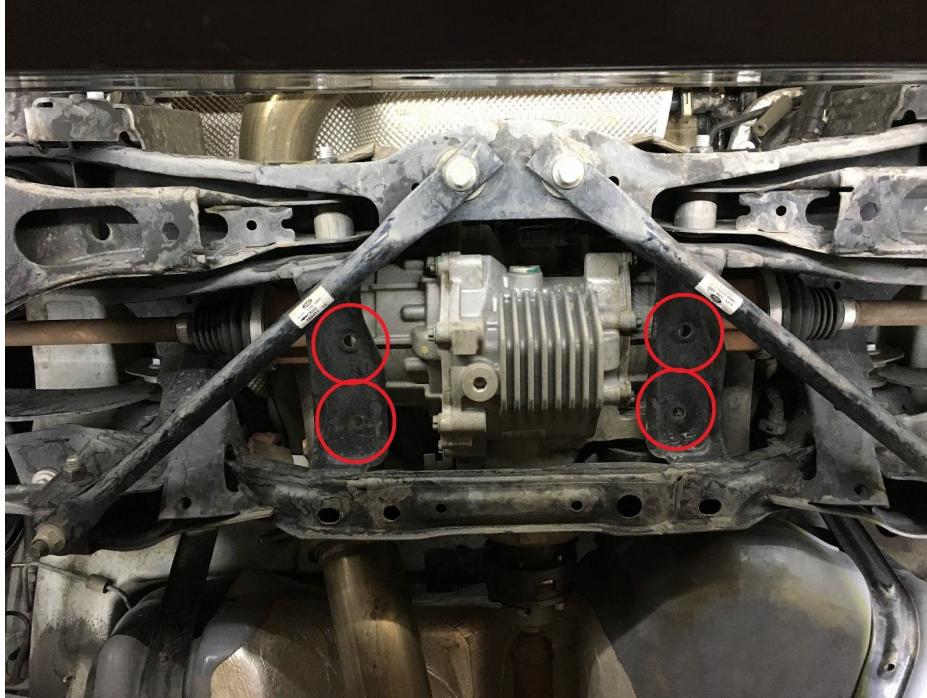


3. Identify the threaded rods supplied in the kit. There are different lengths (those will be explained later). Reference the picture below when bolting these up to the car.

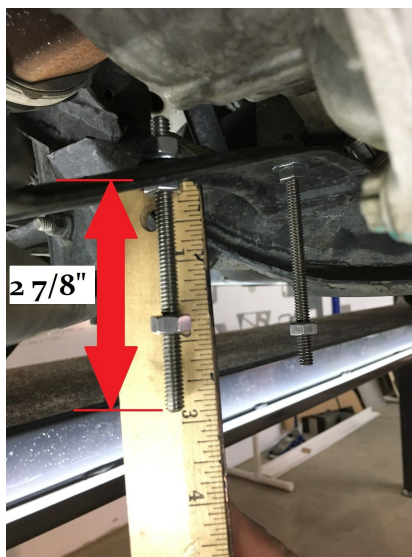




4. Identify the 4 holes found in the car's rear frame that surround the rear differential. We call this the "RS Frame" in the picture found in step 3.



5. Starting at the two holes closest to the front of the car, insert the longer (4") threaded rods into the holes. Thread them so about  $3 \frac{3}{8}$ " of thread is left from the underside of the RS frame to the bottom of the threaded bolt (left pic). Insert the medium length ( $3 \frac{5}{8}$ " ) threaded rods into the two holes in the RS frame toward the back of the car. Thread them so about  $2 \frac{7}{8}$ " of thread is left (right pic). Tighten securely holding one nut and turning the other. See illustrations. Note, yours will have lock washers as shown in step 3.



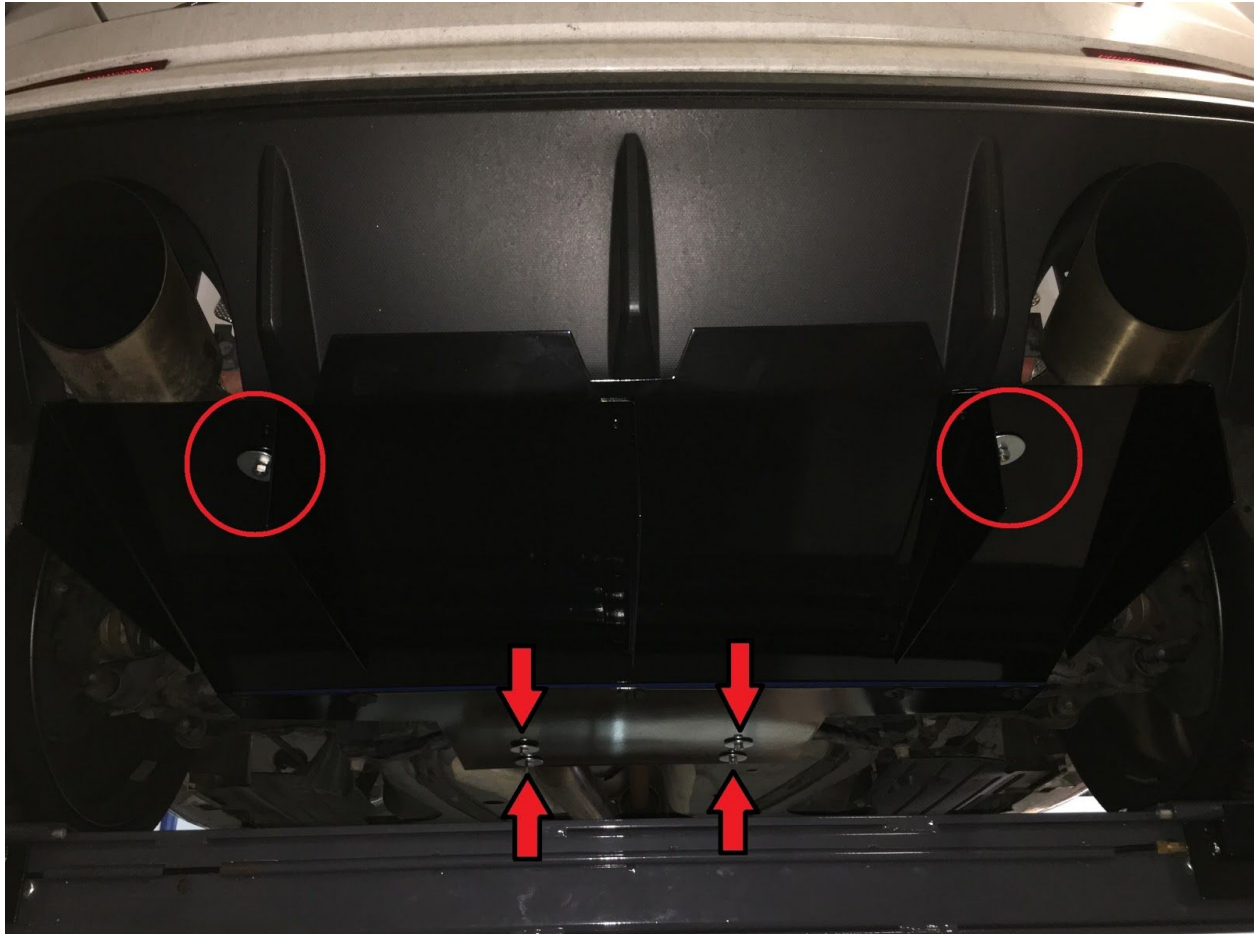
6. Remove the 5/16" bolts at the rear bumper. They are located just to the inside of the rear exhaust tips. Also remove the speed nuts that are on the top.



7. Insert the remaining short length (3 1/4") threaded rods into the holes according to the picture in step 3. In this case the "RS Frame" from the picture in step will be the plastic, metal, and metal clip. Note: yours will have the lock washers (picture does not). Also note there is no specific length determined for this threaded rod - you need to adjust it so the diffuser fits under the exhaust. Hand tighten for now.



8. Now for the diffuser install! With help from a friend (or not, but we like friends) go ahead and install the diffuser according to the threaded rod illustration from step 3. The diffuser will be slid onto all 6 of the threaded rods and sandwiched between a nut and fender washer on both sides. Tighten and loosen the nuts as need-be until you get the diffuser positioned where you like it, then tighten the nuts and use threaded locker when tightening down the bottom nut. Remember to tighten the nuts from step 7.







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



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