



## FS Performance Engineering

### BMW 128i Front Splitter Installation Instructions

#### **Tools Needed:**

- 10mm wrench
- 10mm socket
- Ratchet wrench
- Drill
- 1/4" drill bit
- 5/16" drill bit
- 8mm socket
- Phillip's head screwdriver
- 4mm or 5/32" allen wrench
- 3/16" allen wrench
- Helper/friend

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

- (3) Piece Splitter - a center & outer pieces
- (6) M6-1.0 x 20mm bolts
- (6) 1" OD, 1/4" ID washers
- (7) 1" long body screws
- (8) M6 nyloc nuts
- (8) 1/4" small washers
- (2) 5/32" (4mm) allen countersunk (1/2" long) stainless steel bolts
- (2) M6 black countersunk washers
- (3) Wiznuts (TO HELP EASE INSTALLATION)
  
- (2) Splitter support rods (8.5-10.25")
- (4) 3/16" allen button head (3/4" long) stainless steel bolts
- (2) 1.25" OD, 5/16" ID stainless steel washers
- (1) Threadlocker

### Steps:

- 1.) Raise front of car and secure with jack stands.
- 2.) Remove the splash tray under the engine using your 8mm socket + ratchet wrench. There will be several along the bottom and outer edges of the tray. (1 PIC)



- 3.) ROD PLACEMENT IS UP TO YOU ON THE CAR. WE WILL SHOW YOU WHERE WE PLACED OURS BUT THEIR LOCATION IS UP TO YOU. We drilled 5/16" diameter holes into the bumper 1" from the front edge where the bumper forms a "point". It was a B\*TCH to push the bolts down from the top and hold onto them. So, put yours in a wise location on the bumper :) Location on the splitter is obvious and needed. (2 PICS)

UPON FINAL INSTALLATION OF YOUR RODS, USE BLUE LOCTITE ON THE BOLT THREADS (not the heim joints) AND MAKE SURE THE HEIM JOINT THREADS ARE EVEN ON TOP AND BOTTOM.





4.) Temporarily install the center portion of your splitter into the three holes found under the center of the front bumper. Use three M6-1.0x20mm bolts & three wiznuts. Keep loose & slip your 5/32" (4mm) countersunk allen bolts & M6 countersunk washers through the outside rear holes in the center splitter. (3 PICS)





**Use the countersunk bolts/washers on yours :)**

5.) Install the outer splitter pieces onto the center piece using two 5/16" (3/4" long) rod bolts in the front holes (MIGHT BE TIGHT FIT, THREAD IN) and 1/4" small washers + nyloc nuts on the back bolts. Tighten down on the back nuts using a 10mm wrench and 4mm (5/32") allen wrench. Use 2 OEM locations on each side with 1" body screws to install the outer pieces to the car. (2 PICS) Be sure to push the splitter as far forward as possible before tightening the body screws and that the back edge is lined up with the fender. (2 PICS)



6.) Using your drill and ¼” drill bit, drill through the holes in the splitter into the bumper. There will be a hole already present in the bumper in one of the holes, it is not being used in this application. Remove the bolts and washers from the center splitter piece. Then install the M6-1.0x20mm bolts pointing upward into the holes just drilled. Use a 1” OD washer on the bottom, and ¼” washer + nyloc nut on top. Tighten securely. (1 PIC)



7.) Install your rods if you haven't already onto the 5/16” allen head bolt in the splitter, and in your location on the bumper.

8.) Reinstall your splash tray and use supplied 1” long body screws to secure the splitter onto the bumper and splash tray.





9.) Enjoy your new FS Performance Engineering Splitter!!! Send us pictures please :)



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