



FS Performance Engineering
Dodge Challenger Aluminum Front Splitter Installation Instructions

Tools Needed:

- Friend/helper
- 7mm socket
- 10mm socket & wrench
- Ratchet wrench
- ¼” drill bit
- Drill
- Flat head screwdriver / clip remover
- 5/32” allen head wrench
- 7/16” wrench
- Measuring tape

Included in Kit:

- (1) Top layer splitter
- (2) Bottom layer (2nd layer) pieces
- (2) Flares (a left and right)

- (13) M6 nyloc nuts
- (4) M6-1.0 x 20mm bolts
- (9) M6-1.0 x 30mm bolts
- (2) ¼” ID, 2” OD washers
- (13) 1” OD washers
- (11) ¼” ID small washers

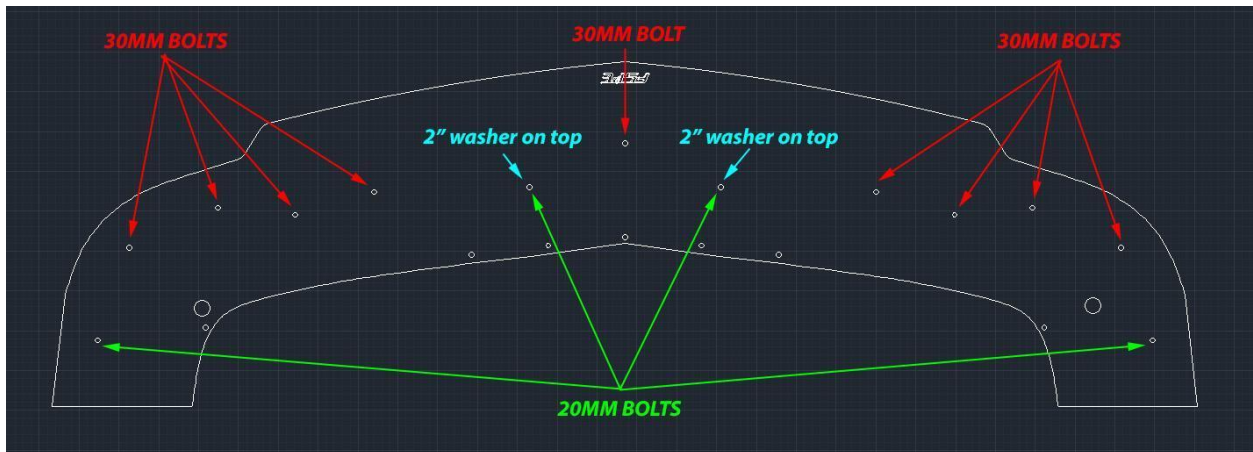
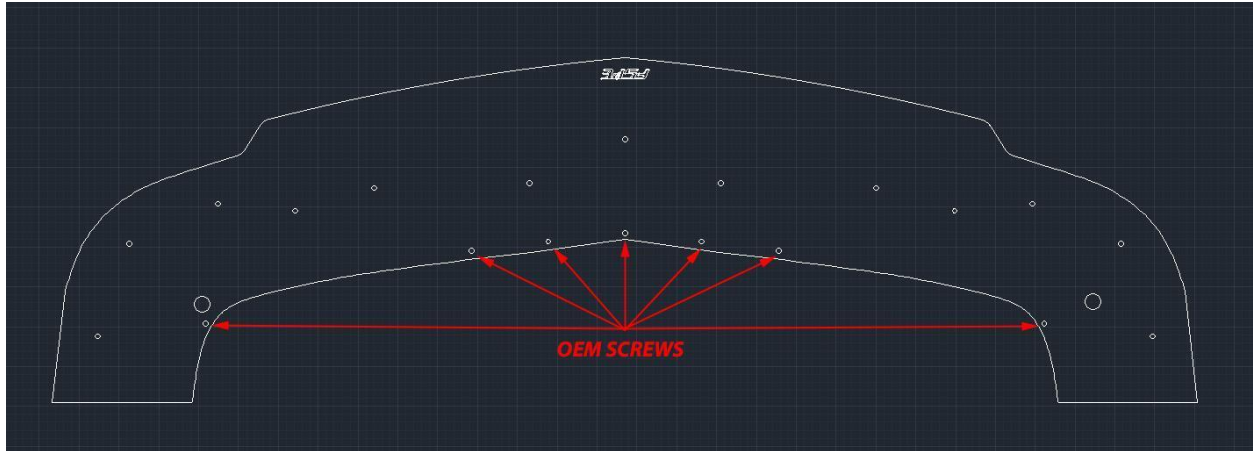
- (4) ¼”-20 x ¾” countersunk SS bolts
- (4) ¼” countersunk washers
- (4) ¼” SS small washers
- (4) ¼”-20 SS nyloc nuts

- (1) Pair of rods w/ hardware (if ordered)

Steps:

1.) To help simplify things, we've included some diagrams indicating where OEM screws, 20mm long bolts, and 30mm long bolts should be used for splitter installation; as well as where 2" washers should be used on top inside of the bumper. Use these as guides for installation.

→ All other holes with a 20mm or 30mm bolt use a 1" OD washer on bottom, and 1/4" ID small washer on top with a nyloc nut.



3.) First determine where you would like to locate your splitter rods on the car if you purchased them. We went ahead and mounted ours to the existing holes in the grill. Splitter rod instructions are provided separately - this task is a bit open ended because rods can be mounted in so many locations. Be sure to tighten them on the car before putting the under tray back on!!!!!!!

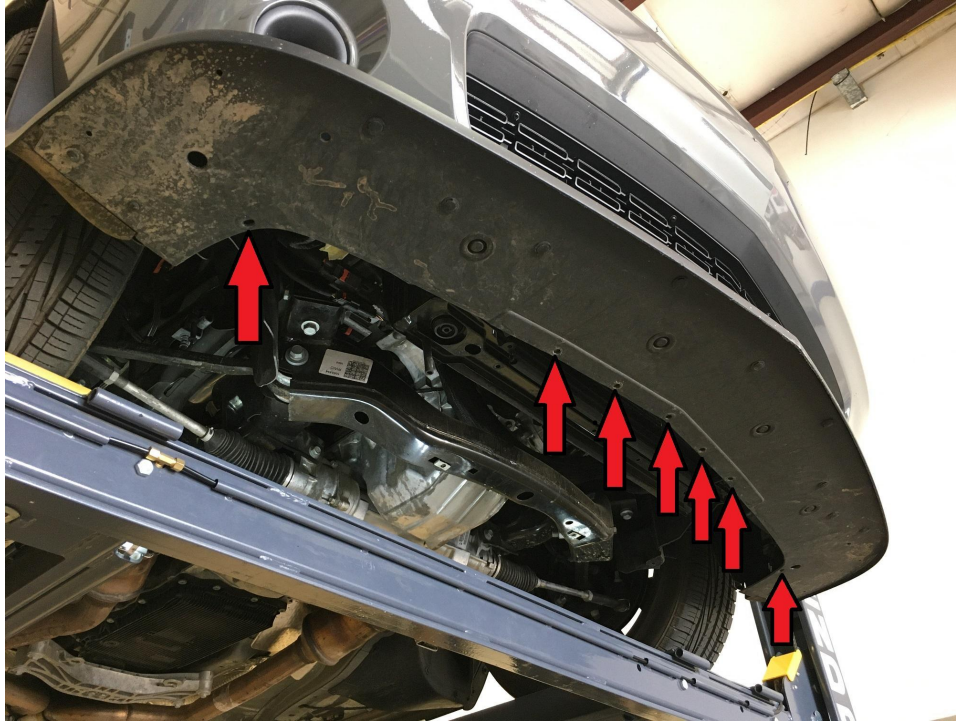
4.) Under the front bumper remove the center clip with your flat head screwdriver, and 2 grommets just left/right of center with your fingers.



5.) Next remove the 3 clips shown on each side of the front bumper.



6.) Remove the 7 OEM screws found under the bumper using your 7mm socket and ratchet wrench. Then install your top layer splitter (the larger piece) into these holes.



7.) There will be 2 holes on either side of the bumper that need to be drilled. Drill through the holes in the splitter directly into the bumper. Then remove the splitter. Outer locations shown - ignore the fully installed splitter in the picture.



8.) Remove your under trays using a clip remover. Our clip remover has an end shaped like a “U” to pull the clips out. The trays have 10 clips & four 10mm bolts holding them on, as well as 7 screws you already removed. If you need help finding the clips, double check behind the fenders. It’s straightforward :)

9.) Install your splitter temporarily omitting the 7 oem screws. The hardest to reach one will be the center. Follow the guides in step 1 and take your time. Help from a friend is necessary. Securely tighten.

Then reinstall the undertrays and tighten down the 7 oem screws very securely - they now go through the splitter and bumper into the under tray.

IMPORTANT: The second (bottom) layers need to be installed at this time. The holes line up with common holes in the top layer. The bottom layers are NOT symmetrical - you will see this as you line them up with the underside of the top layer.





10.) Install your fins using the supplied countersunk bolts and washers, and nyloc nuts. Securely tighten.



11.) If you haven't already done so install your splitter rods on the splitter. Use measuring tape to get things just right, and follow the supplied recommendations.

12.) You are done!!! Enjoy your new FS Performance Engineering aero! Be sure to use #FSPerformanceEngineering in the online world.



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