



FS Performance Engineering

Dodge Charger 2015+ Splitter Installation Instructions

Tools Needed:

- Phillip's head screwdriver
- Flat head screwdriver OR pop clip remover
- 7mm socket or wrench
- 10mm socket AND wrench
- Ratchet wrench
- Drill
- 1/4" drill bit
- Masking tape
- Pencil or small diameter pen

If you ordered rods:

- 7/16" wrench
- 1/2" wrench
- 3/4" wrench
- 3/16" allen wrench
- 5/16" drill bit

Included in Kit:

- (1) Top layer splitter
- (3) Bottom 2nd layer pieces
- (2) Flares... a left and right
- (8) 1-1/8" body screws
- (12) M6-1.0 x 20mm hex flange bolts
- (2) M6-1.0 x 12mm hex flange bolts
- (14) M6-1.0 nyloc nuts
- (14) 1/4" small washers
- (14) 1/4" ID, 1" OD fender washers
- (4) M6-1.0 x 16mm countersunk bolts
- (4) M6 black countersunk washers

If you ordered rod brackets:

- (2) Rod brackets
- (2) 20mm spacers
- (2) M6-1.0 x 80mm bolts
- (2) M6-1.0 nyloc nuts



- (4) 1/4" small washers
- (2) double sided tape strips

If you ordered rods:

- (1) Pair of rods 8.5-10.25"
- (2) Hex head 5/16"-18 x 0.75" Stainless bolts
- (2) Allen head 5/16"-18 x 0.75" Stainless bolts
- (2) 5/16" ID, 1.25" OD stainless steel washers
- (1) Blue loctite
- (1) Rod installation guide

Steps:

- 1.) Raise the front of the car and secure it with jack stands.
- 2.) If you have the colored protective (usually yellow, or pink) bumper thingies you can choose to remove or keep them. Either way, you'll be using the 4 holes where they're mounted. Remove the pop clips in those locations. There 2 on each side. Use your flat head screwdriver or clip remover.



- 3.) Remove the 8 screws around the perimeter of the bumper & store them away, they are no longer needed. These screws hold the undertray onto the front bumper. Use your 7mm wrench.





4.) Install the top layer splitter (not the smaller bottom layer pieces) into those holes just exposed from step 3. Don't use the OEM screws. Use the supplied 1- $\frac{1}{8}$ " long body screws supplied in the kit.



5.) Use your drill and 1/4" drill bit to drill through the other holes in the splitter up into the car. 4 of the holes should line up with the holes exposed from step 2, so no need to drill through those. Ignore the random bolts we have in the picture :)



6.) Remove the splitter. Then remove the undertrays all together. The front undertray has those 8 bolts around the front that we already removed previously, and 10 additional pop clips in various locations. The rear tray has four 10mm bolts. Please remember how everything goes back on. HERE IS HOW WE REMOVE THE CLIPS:



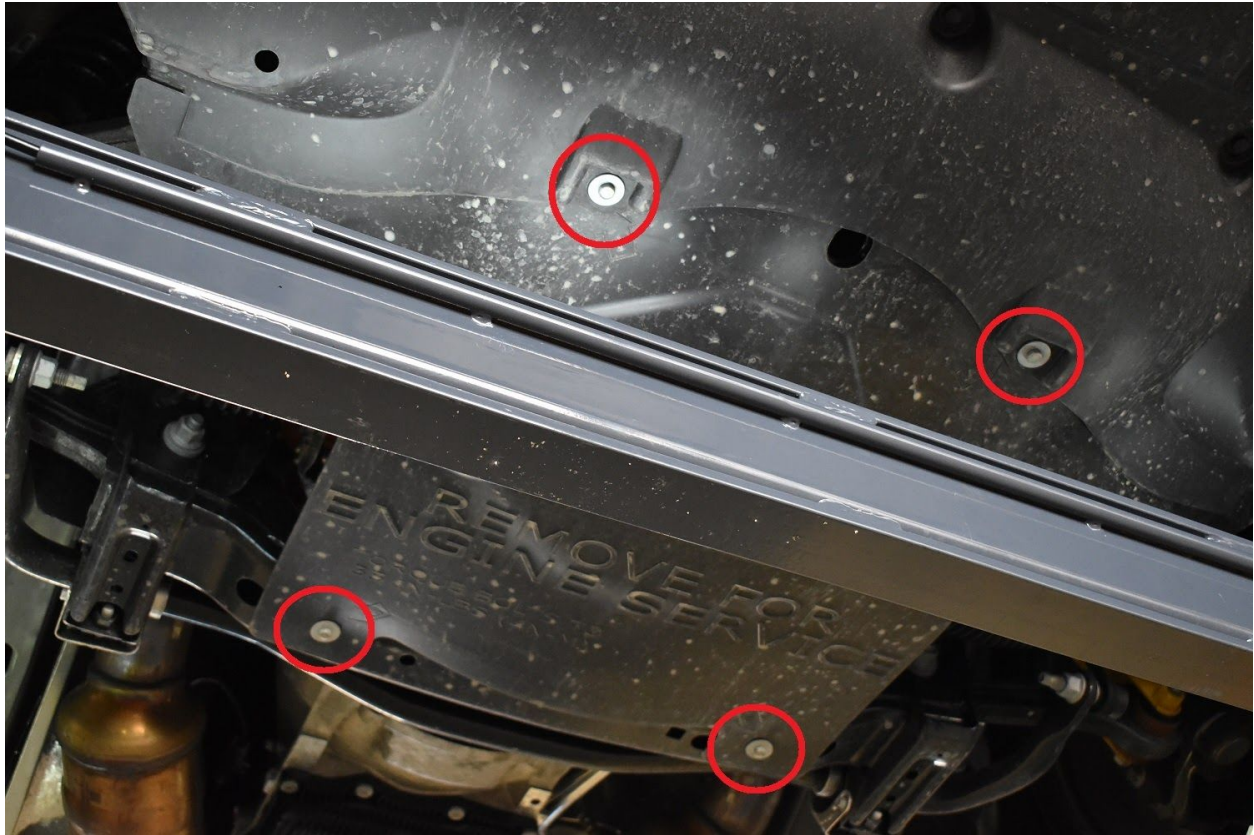
HERE ARE FOUR CLIPS FOR THE FRONT UNDERTRAY (they point upward)



HERE ARE THE 3 CLIPS ON EACH SIDE THAT NEED TO BE REMOVED (just in front of the wheels):



HERE ARE THE FOUR 10MM BOLTS:



TRAYS OFF:



7.) SPLITTER RODS

- If you did not purchase rods at all, move to step 16.
- If you purchased rods, but not our brackets, it will be up to you to figure out where to mount your support rods. Please follow our provided installation guide. Move to step 16.
- If you purchased our *chassis mounted rod brackets*, yay! Move to the next step.

8.) Our chassis rod brackets are not too complicated. After installed they will be passing through the grill. The hole we recommend passing through is the one next to the vertical support in the grill. On the right side of the car, it's the hole to the right of the vertical support as shown.



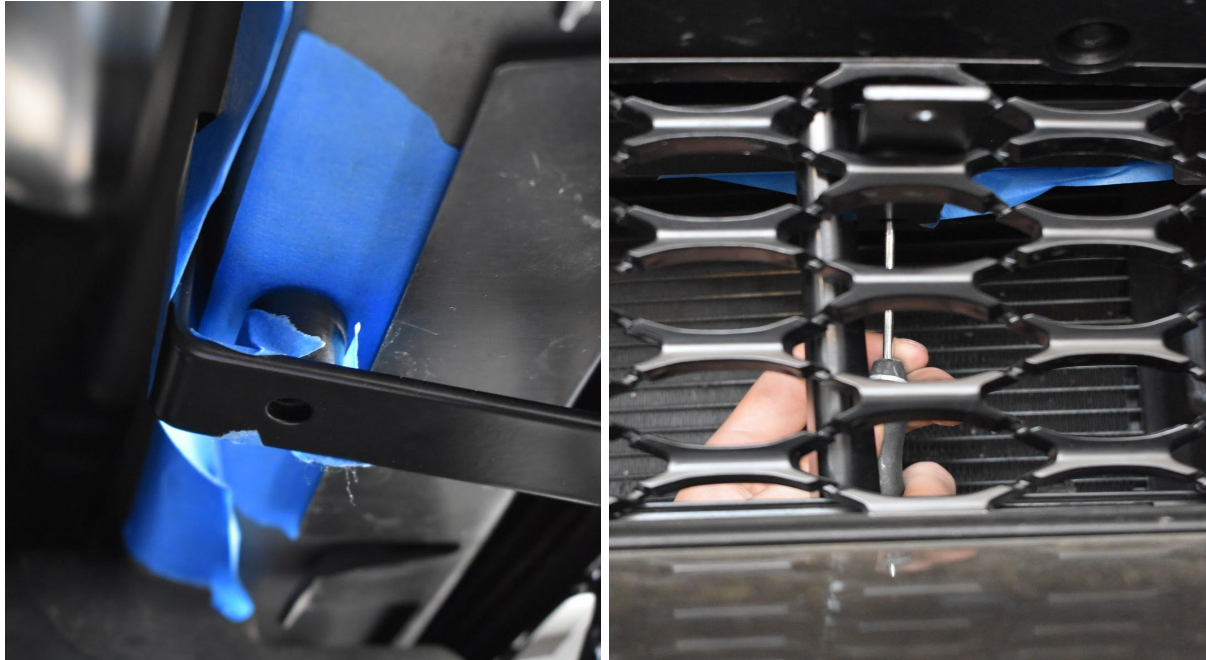
9.) Start by placing a 20mm spacer onto your chassis bracket. Tape it down directly over the hole closest to the fold.



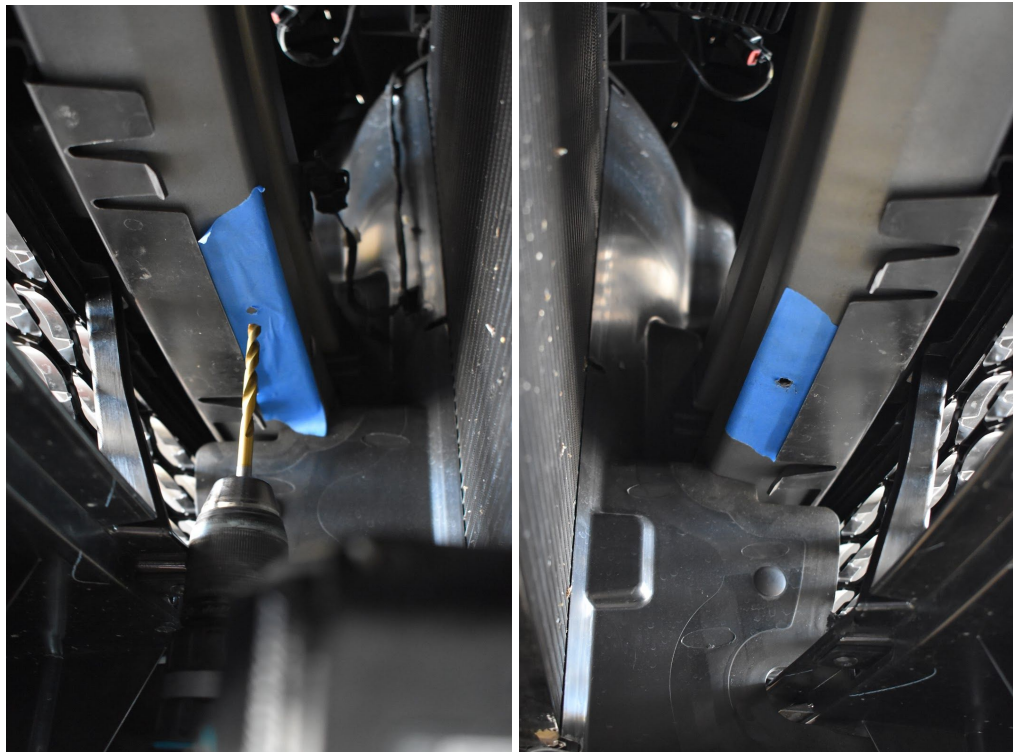
10.) Place tape onto the crash beam where the bracket will be mounting. This location will be just behind the grill where the bracket will be passing through.



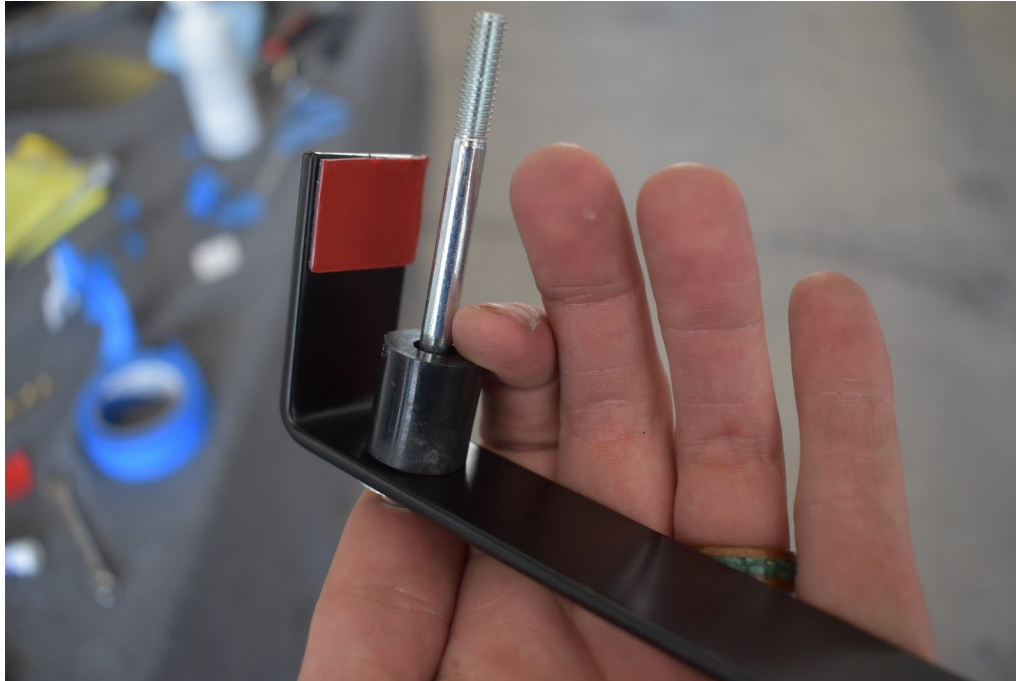
11.) Hold your rod bracket up against the beam so the longer part of the “L” is through the grill. Push ***firmly*** toward the front of the car so the short bended part of the “L” is up against the crash beam and use a pen to mark through the hole and 20mm spacer. Help from a friend would be nice. Do this for both sides of the car.



12.) Drill $\frac{1}{4}$ " holes into the crash beam at the marked locations. You want to pass through ***both the top and bottom of the lower beam.*** (don't drill into the 2nd beam above it).



13.) Remove the tape on the crash beam. Install supplied 3M double-sided tape onto the upper $\frac{3}{4}$ " of the short part of the L as shown.



14.) Clean the crash beam where the tape is going to sit, peel the tape, and carefully install the rod brackets onto the car. Before tightening, drop the $\frac{5}{16}$ "-18 ($\frac{3}{4}$ " long) hex head bolts down through the outer hole (second picture). Use M6-1.0 x 80mm bolts with $\frac{1}{4}$ " small washers under the heads, and $\frac{1}{4}$ " small washers + nyloc nuts on top of the crash beam. This is what it needs to look like once installed (except with a washer under the head). Securely tighten.





16.) Splitter install. Install the splitter into the holes that you drilled, and the 4 holes from step 2. You want to leave the 8 holes from steps 3 and 4 open. Use M6-1.0 x 20mm bolts with 1" washers under the heads, and 1/4" small washers and nyloc nuts on top. Securely tighten.

HERE'S THE CATCH:

→ Install the 2nd layer panels underneath at the same time. They simply stack. There is a left and right, as well as the center. It should look like the following picture.

→ Install a M6-1.0 x 16mm long bolt into the hole that is circled.





17.) Reinstall your under trays. The front under tray will be using the 1-1/8" long body screws into the remaining holes in the splitter. Make sure everything is securely tightened.



18.) If you have rods, install them. You will need to drill 5/16" holes into the splitter. Follow the splitter rod installation guide to complete this task.

19.) Install your flares. Use the M6-1.0 x 16mm countersunk hardware, washers, and M6 nuts. This is straightforward.

19.) Apply edge trim if you have it. Use a heat gun on low to form around corners.

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



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Or call/text us at (661) 809-0954