



FS Performance Engineering

Volkswagen MK7 (2015-2017) Golf R Front Splitter Installation Instructions (Chassis mount)

PROFESSIONAL INSTALLATION RECOMMENDED

Tools Needed:

- Everything needed to remove the bumper (not shown in these instructions, can be found online)
- Drill
- 1/4" drill bit
- 5/16" drill bit
- Level
- Torx 25
- 10mm wrench and socket
- 3/16" allen head wrench
- 7/16" wrench
- 1/2" wrench and socket
- 3/4" wrench
- Masking tape & marker/pen
- Ratchet wrench

Included in Kit:

- (1) Splitter
- (4) Splitter Rods 10.25-12"
 - (4) 5/16-18 x 3.5" SS hex head bolts
 - (4) 5/16" lock washers
 - (4) 5/16" small washers
 - (4) 5mm spacers
 - (4) 5/16"-18 x 0.75" SS button head bolts
 - (4) 5/16" ID, 1.25" OD SS washers
 - (1) Blue loctite
- (3) M6-1.0 x 50mm bolts
- (2) M6-1.0 x 40mm bolts
- (2) M6-1.0 x 20mm bolts
- (3) 20mm spacers
- (2) 15mm spacers
- (7) 1/4" ID, 1" OD fender washers
- (7) 1/4" small washers
- (7) M6 nyloc nuts

Steps:

- 1.) Raise the front of the car and secure it on jack stands.
- 2.) Remove the OEM skid plate that covers the oil pan. Remove the front under tray then the bumper. The front bumper tray is bolted on to the car, and clipped to the bumper. Bumper removal is not described here but can be found online very easily.



- 3.) Add masking tape to the top side of your crash bar.

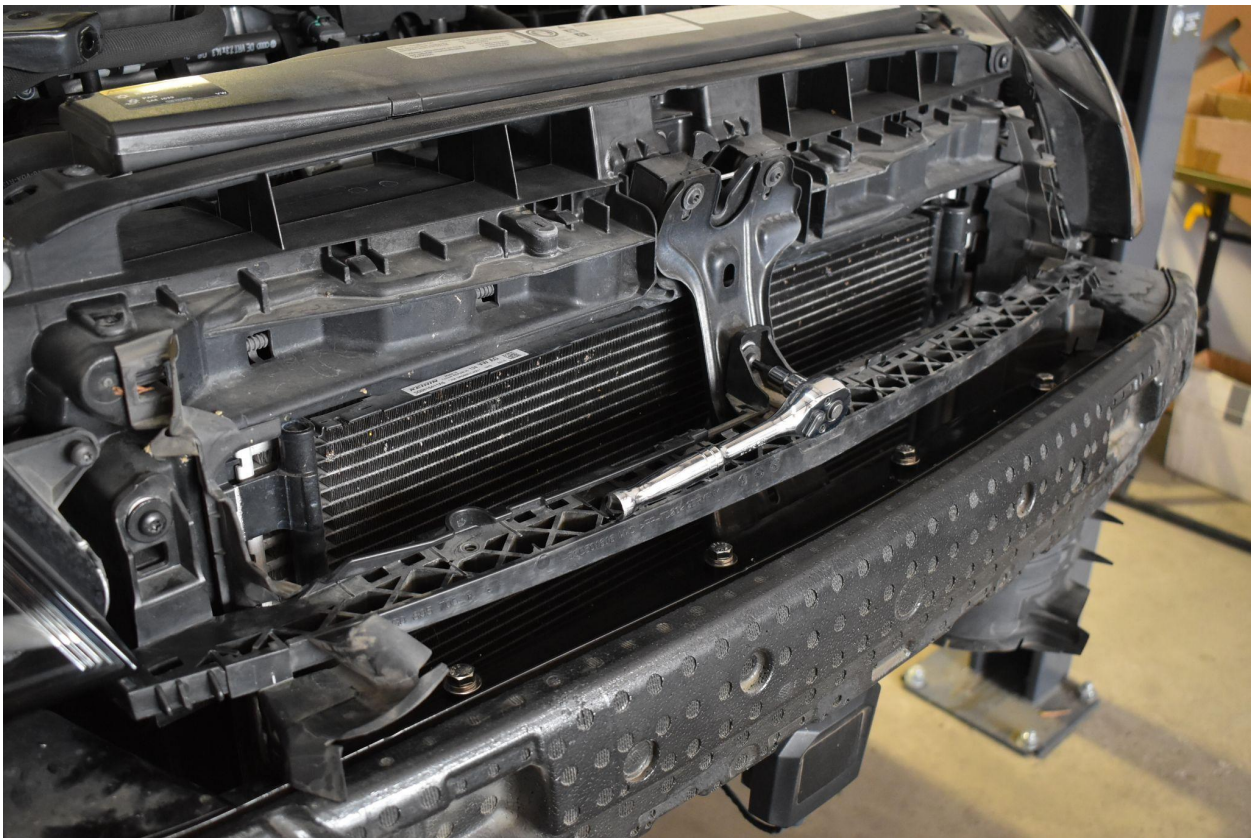
Before:



After:

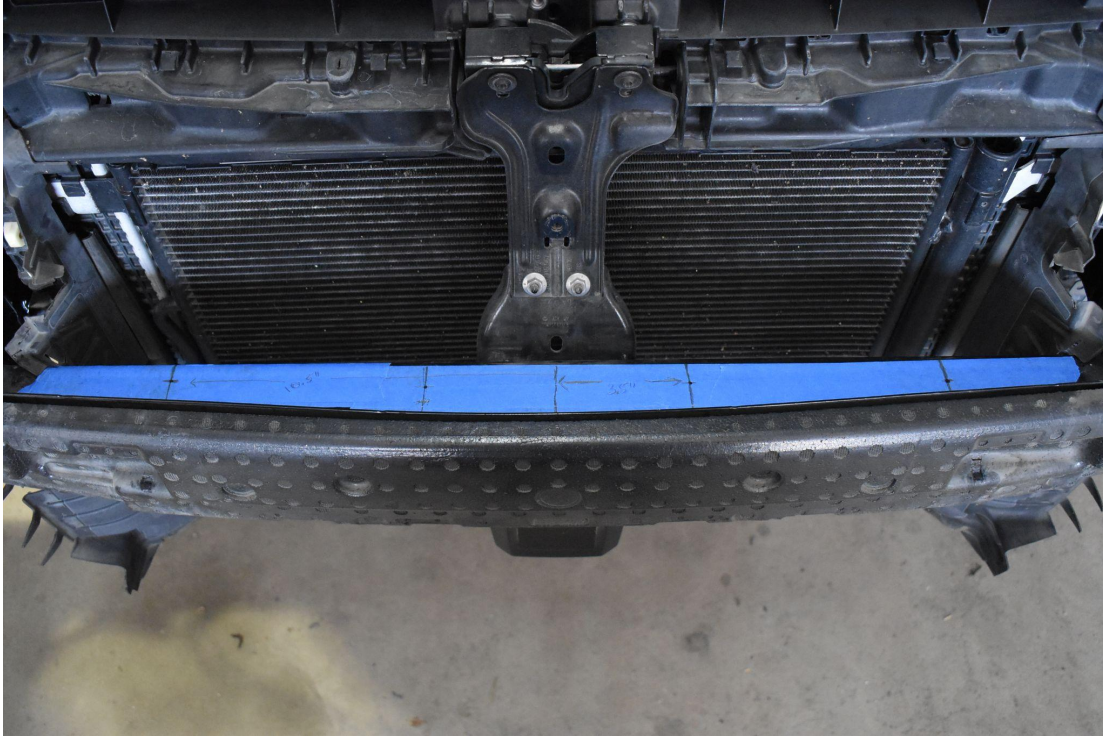


4.) Remove the plastic “rail” just above the crash bar. It is held in with tabs on each end as well as 3 torx bolts.





5.) Find the center of the bar. Measure out 3.5" from the center to the left and right and make marks. Then measure 10.5" from the center to the left and right and make marks. At those locations measure 1" inward from the back of the crash bar and make marks for future drilling.

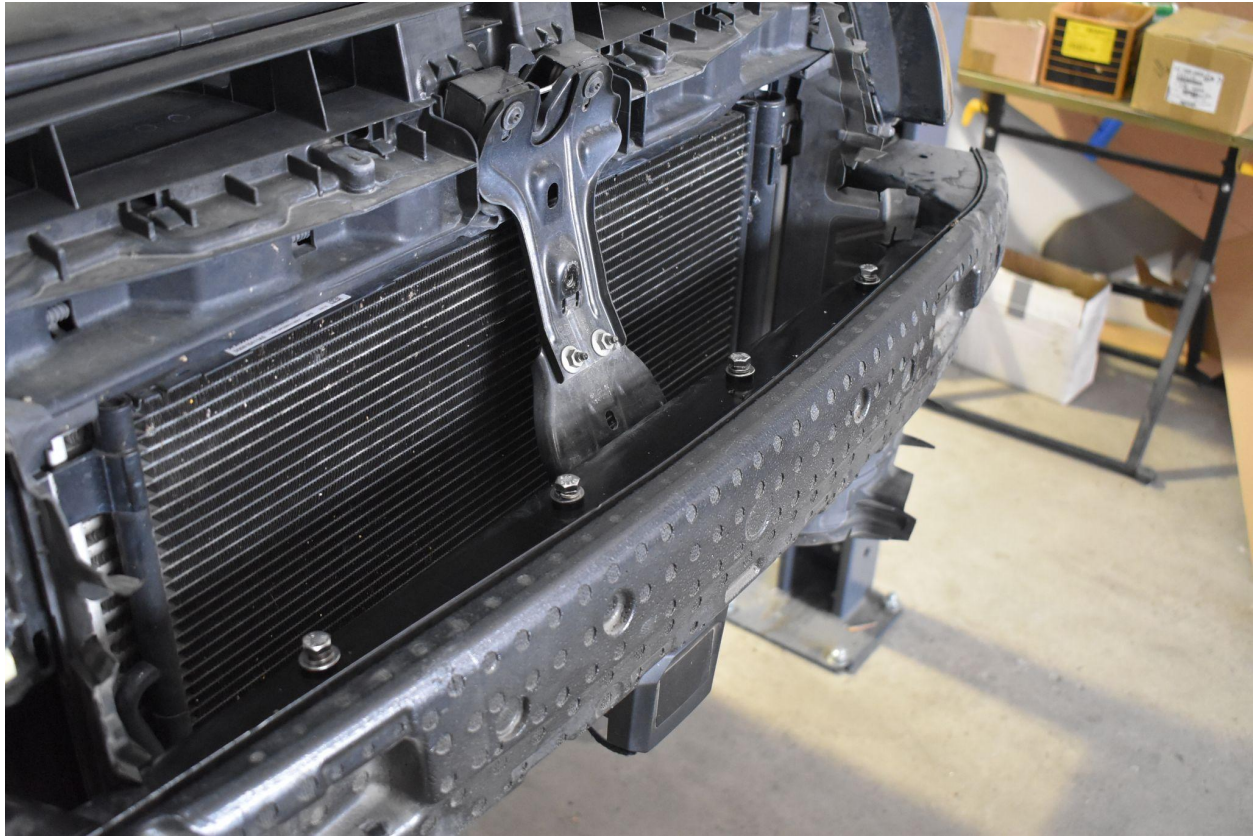


6.) Drill 5/16" holes at those 4 locations. Pass through both the top and bottom of the crash bar.

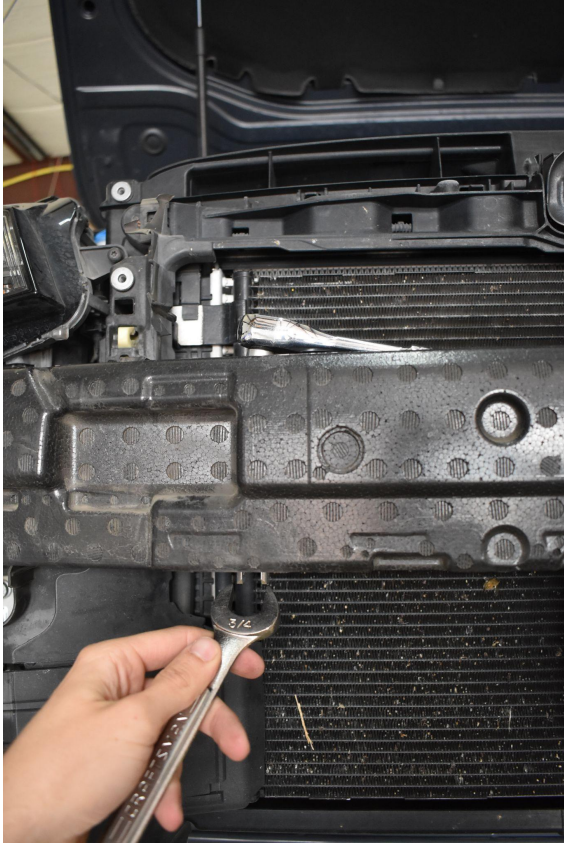




7.) Remove the tape. Grab your 5/16"-18 x 3.5" bolts. You want to pass these bolts downward through the holes... however on the top you need to use the 5/16" lock washers, 5/16" small washers, and 5mm spacers under the heads of the bolts.



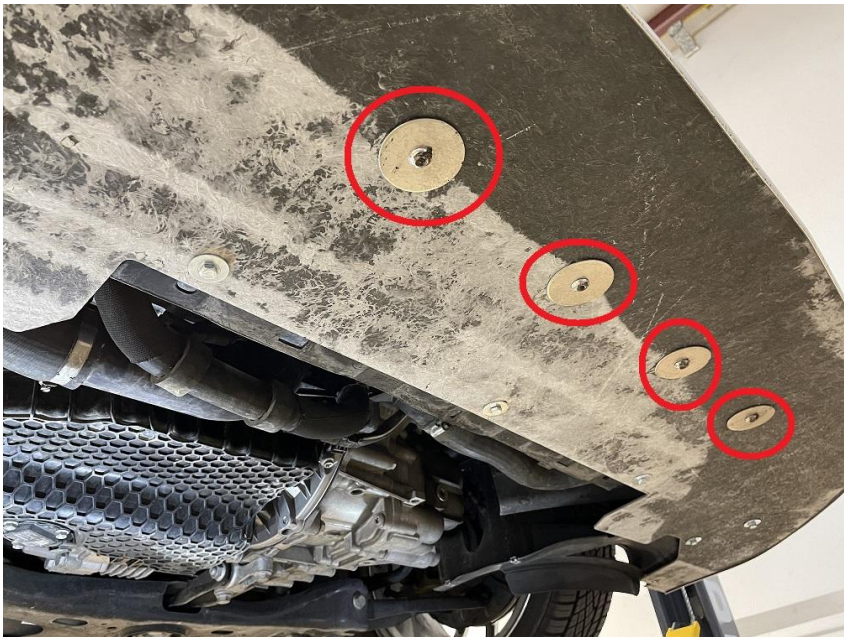
8.) Now you can install your rods onto the crash bar. Use blue loctite on the threads of these bolts. Use the $\frac{1}{2}$ " socket on top to tighten and $\frac{3}{4}$ " wrench on the rod end to hold it from moving. Point the rods so the ends are open from front to back. Note that we only installed the rod ends - go ahead and install your whole rod at each location.



9.) Identify the oem screw locations at the radiator support. Three of the holes in the splitter line up with them. These will need to be drilled out to $\frac{1}{4}$ ". Be careful not to push all the way through and hit a hose above. Please note that in the picture our splitter was already present.

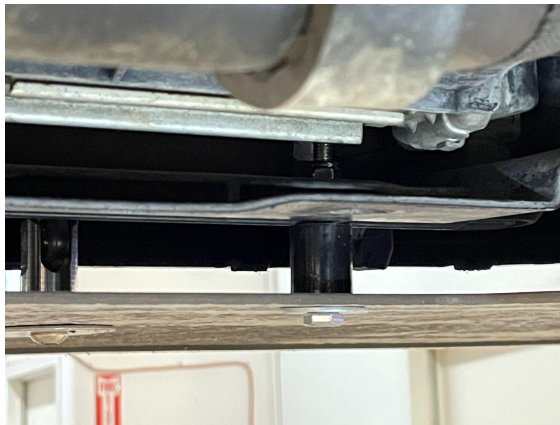


10.) Make sure your rods are fully closed and install the splitter onto the bottom of the rods with loctite. Use the $\frac{3}{4}$ " wrench to hold the rod ends. Use $\frac{5}{16}$ "-18 x 0.75" button head bolts and the 1.25" OD washers. This will be tricky. Use help to support the splitter - as a shop ourselves we use a table in conjunction with a lift.





11.) Install the splitter onto the radiator support with the center 3 rear holes. Use M6-1.0 x 50mm bolts pointing upward with 20mm spacers between the splitter and radiator support. Use 1" OD washers on the bottom, and 1/4" small washers with M6 nyloc nuts on top.



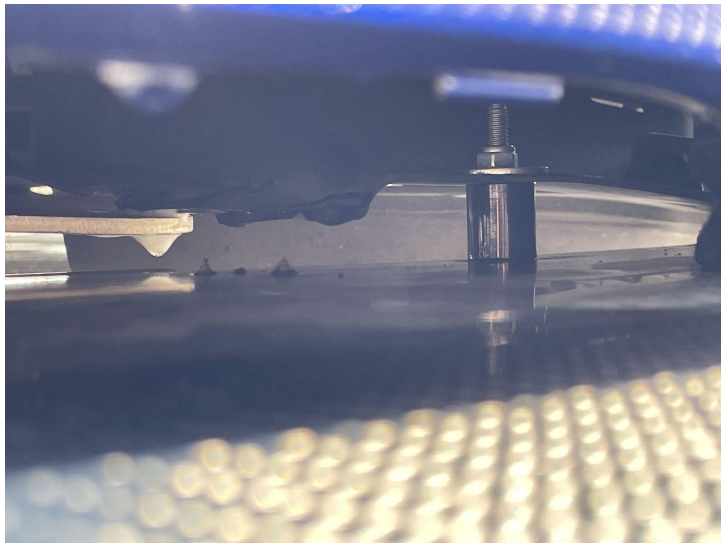


12.) Adjust the rods so the entire splitter is level front to back and left to right. Then tighten the nuts against the barrels on the rods. Use the supplied rod instructions (tips for installation).

13.) Reinstall your bumper. Omit the plastic under tray that sits on the bottom of the bumper.

14.) Install the OEM Torx 25 screws into the OEM spots on the left and right sides of the bumper. These are the most outer screws.

15.) Next you need to line up the holes in the OEM air duct with the holes in the splitter. There is one one each side. You will want to push M6-1.0 x 40mm bolts (with 1" washers under the heads) up through the splitter and to the air ducts. Use a 15mm spacer between the splitter and air duct, and 1/4" small washer + M6 nyloc nut on top. You will have to remove the speed clips first. Securely tighten.



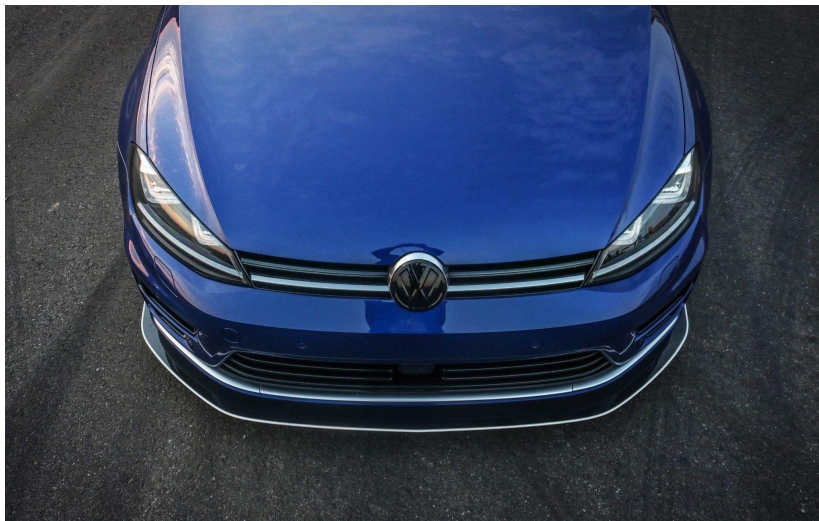


16.) There are two empty holes left in the splitter - one on each side. You need to drill through them and into the bumper to secure the splitter to the bumper. Once you drill through use M6-1.0 x 20mm bolts with ¼” ID, 1” OD fender washers on bottom. Use ¼” small washers and M6 nyloc nuts on top.



17.) Check that all bolts and screws are secure. It is important that the rods are fully tightened.

18.) Reinstall your skid plate and enjoy your new splitter!!



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