



FS Performance Engineering

Volkswagen MK6 Golf R (2012-2013) Rear Diffuser V1 Installation Instructions

Tools Needed:

- 10mm wrench
- 10mm socket
- Ratchet wrench
- Torx 25 screwdriver
- Phillip's head screwdriver
- Needle nose pliers
- A helping hand (friend)

Included in Kit:

- (2) 2.5" body screws w/ phillip's heads
- (2) M6-1.0 x 30mm hex head bolts
- (6) M6-1.0 x 20mm hex head bolts
- (8) M6 nyloc nuts
- (2) 1.5" OD, 1/4" ID fender washers
- (4) 1" OD, 1/4" ID fender washers
- (2) 1" OD, SMALL ID fender washers
- (6) 1/4" small washers
- (2) 40mm spacers

- (1) Driver side diffuser
- (1) Passenger side diffuser
- (1) Center connecting piece ("Bridge")
- (2) Small steel brackets
- (2) Long steel brackets

INCLUDED IF YOU DID NOT BUY PREMIUM HARDWARE KIT:

- (8) M6-1.0 x 12mm bolts
- (8) M6 Nyloc Nuts

INCLUDED IF YOU DID BUY PREMIUM HARDWARE KIT:

- (52) M6-1.0 x 16mm countersunk allen head bolts
- (52) M6 countersunk black washers
- (52) M6 Nyloc Nuts

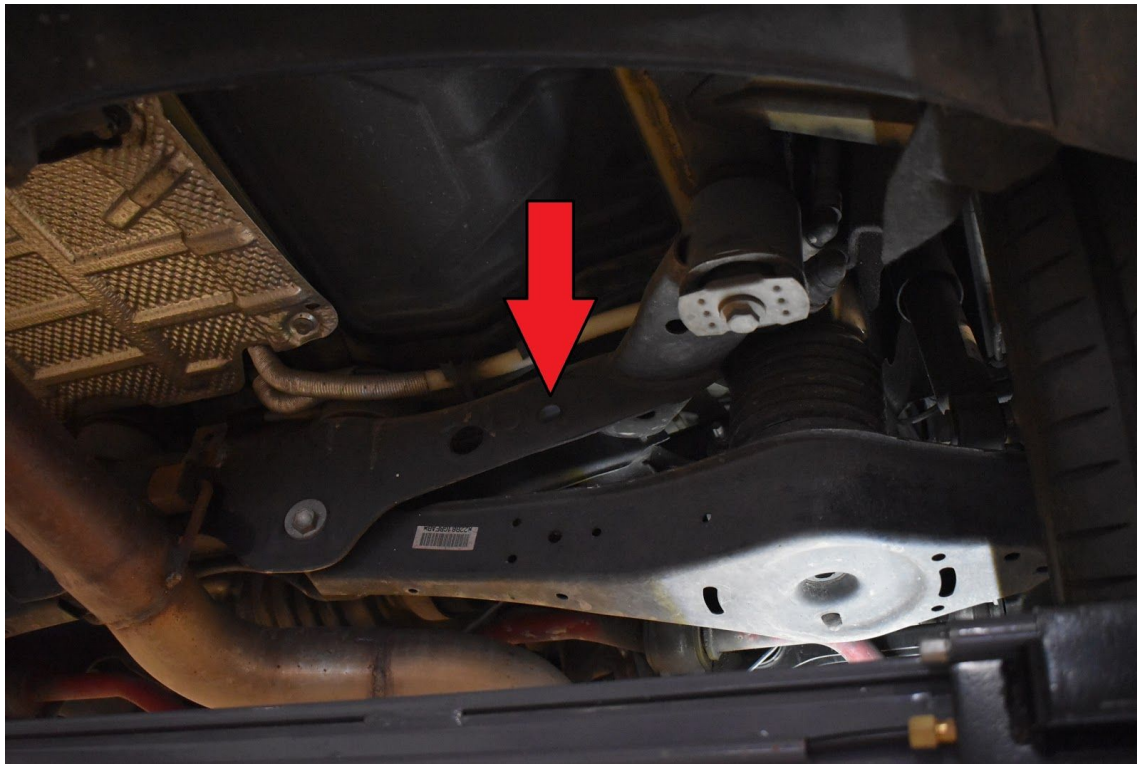
Steps:

1.) Raise car and secure with jack stands.

2.) This step: (2) M6-1.0 x 20mm bolts, (2) 1.5"OD fender washers, (2) M6 nyloc nuts.

LOOSELY install your long steel brackets onto the rear control arm bracing. There will be two holes on each side - use the outer hole. Point the bolts toward the back of the car with a 1.5" fender washer under the head. Use a nyloc nut on the back side of the brackets. We let our brackets hang low in the holes.

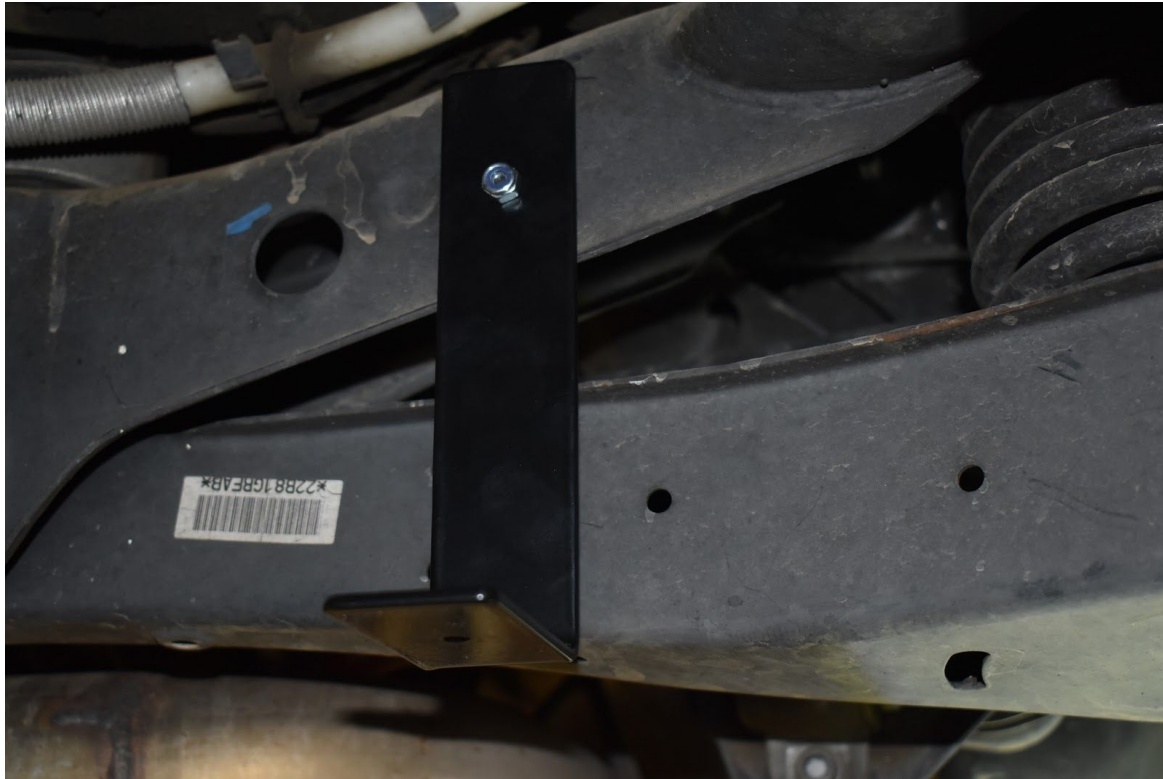
OUTER HOLE ON PASSENGER SIDE:



THIS IS WHAT IT LOOKS LIKE ON EACH SIDE:



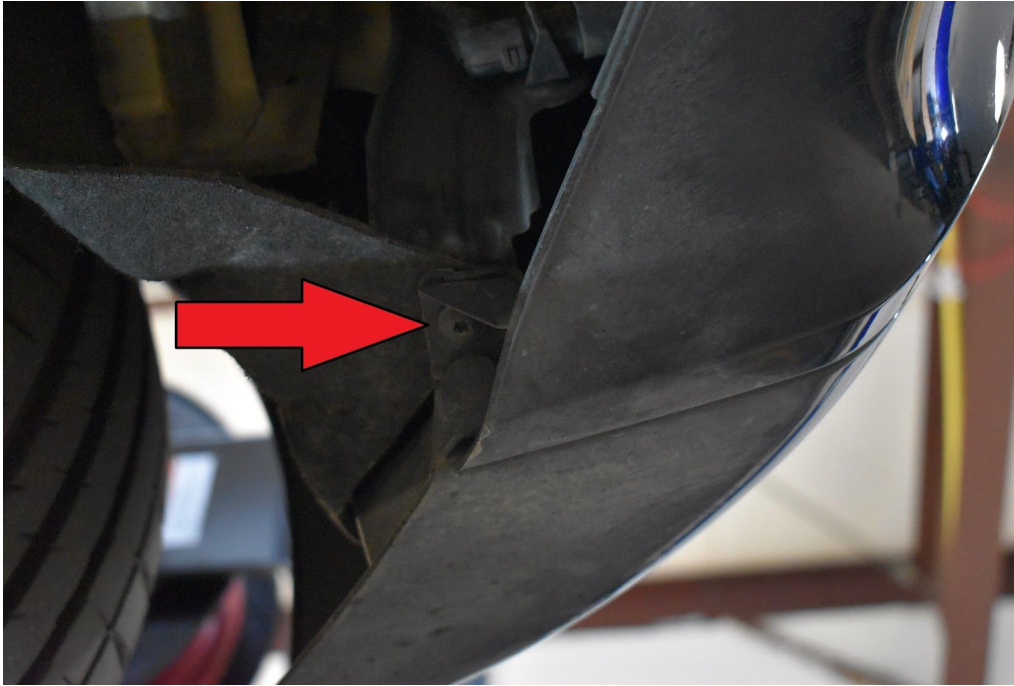
BRACKET LOOSELY INSTALLED:



FRONT SIDE OF BRACKET W/ 1.5" OD FENDER WASHER



3.) Remove the two T25 (torx 25) screws found on the left and right sides of the bumper. These screws hold many pieces of the car together. Then use your needle nose pliers and some intuition to remove the plastic clip that the screw actually screwed into. We kind of broke our clips :)
SCREW TO REMOVE ON BOTH SIDES:



CLIP THAT NEEDS TO BE PINCHED OUT:



THIS IS WHAT THE CLIP LOOKS LIKE ONCE REMOVED:



4.) This step: (2) M6-1.0 x 30mm bolts, (2) ¼" small washers, & (2) M6 nyloc nuts. LOOSELY install our short steel brackets so the longer side is on top. Point the bolts upward and use the washers & nuts on top. The bracket needs to be placed above all of the pieces of the car, but below the car's OEM bracket.

TWO PICS OF THE BRACKET LOOSELY INSTALLED:

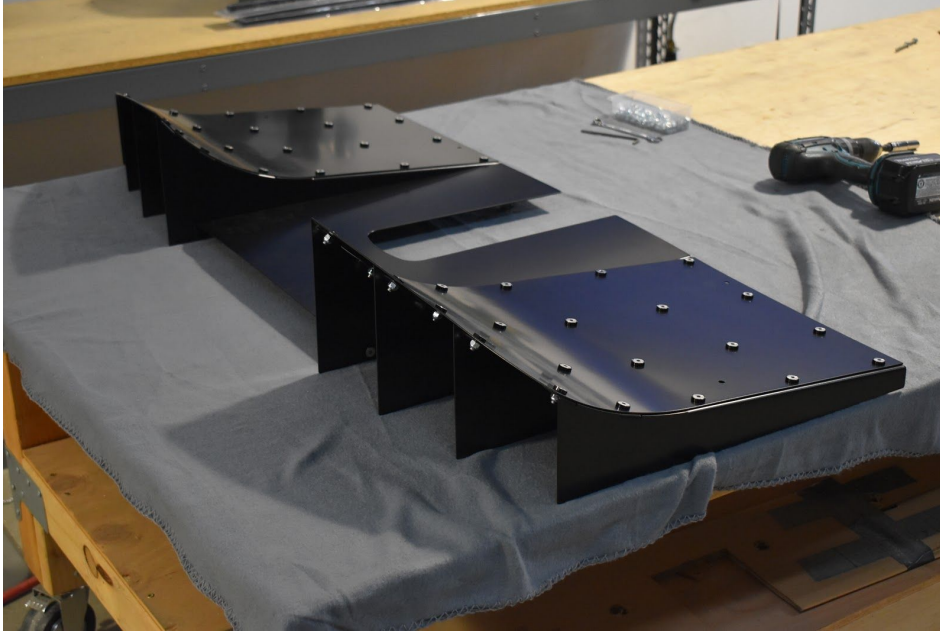




5.) Remove the two T25 screws toward the center of the car on either side of the exit tips. You'll be using the built-in clips so don't even think about removing those. :)



6.) Assemble your diffuser - it is straightforward. If you bought all bolts instead of pop rivets, place the fins in the correct spots (on the underside of the diffuser) and install with the supplied countersunk bolts, countersunk washers, & nyloc nuts. Point the bolts upward or downward - up to you. For everyone: go ahead and bolt the center to the inside fins. Securely tighten.

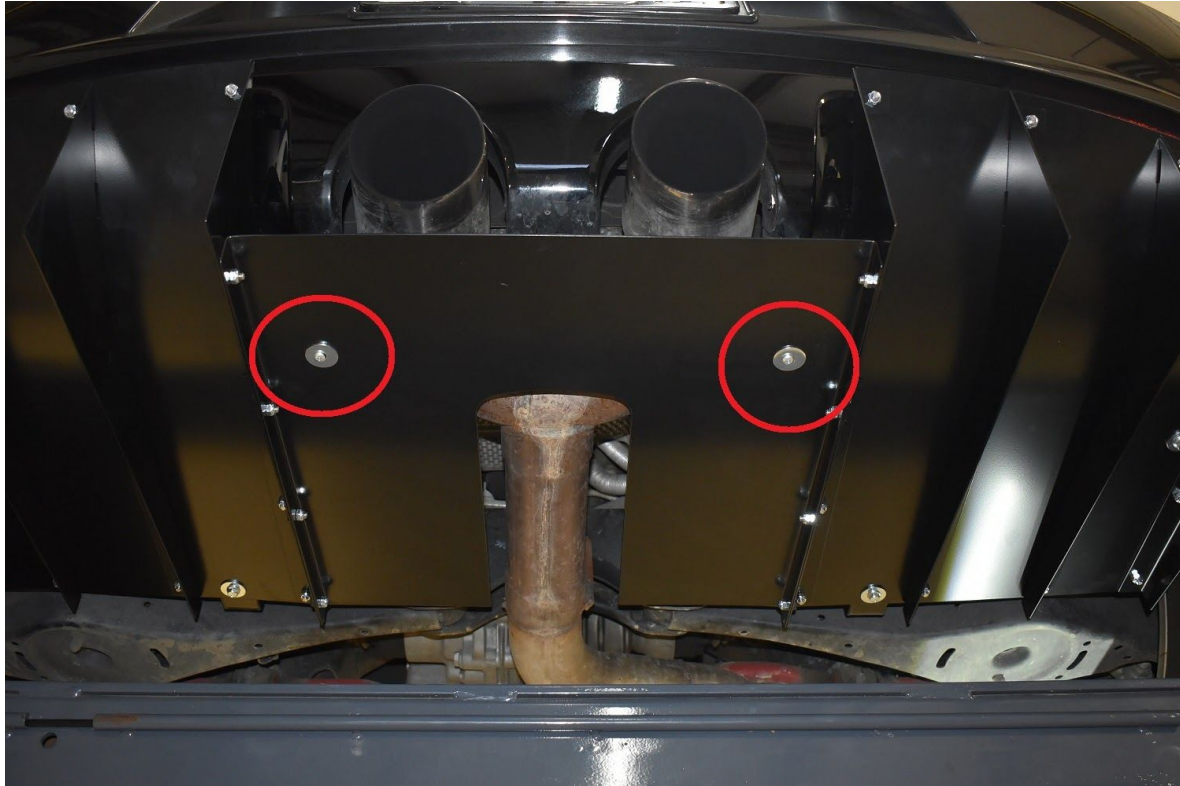


7.) Needed: (4) M6-1.0 x 20mm bolts, (4) 1" OD fender washers, (4) 1/4" small washers, (4) M6 nyloc nuts. With help from a friend install the diffuser onto the steel brackets pointing the bolts upward. Use the fender washers on bottom. Use the small washers and nyloc nuts on top. Securely tighten.

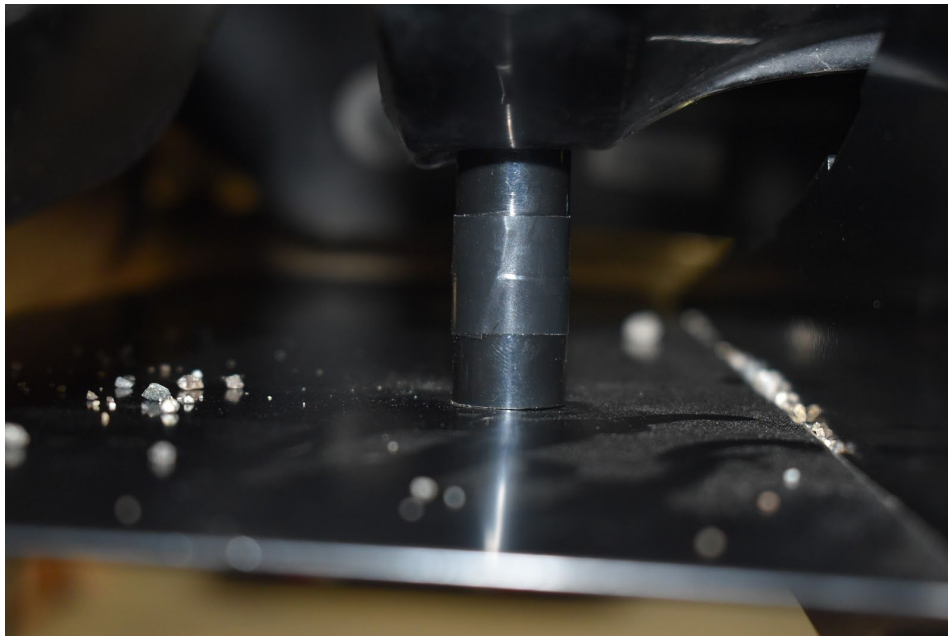




8.) Needed: (2) 2.5" screws, (2) 1" OD, small ID fender washers, (2) 40mm spacers. Move the diffuser so it is not pushed up against the OEM valence. Install the screws into the holes exposed to the left and right of the exhaust tips. Use the fender washers under the heads, and the 40mm spacers between the car and diffuser. Securely tighten - IT CAN ONLY GET SO TIGHT, THESE ARE JUST SCREWS.



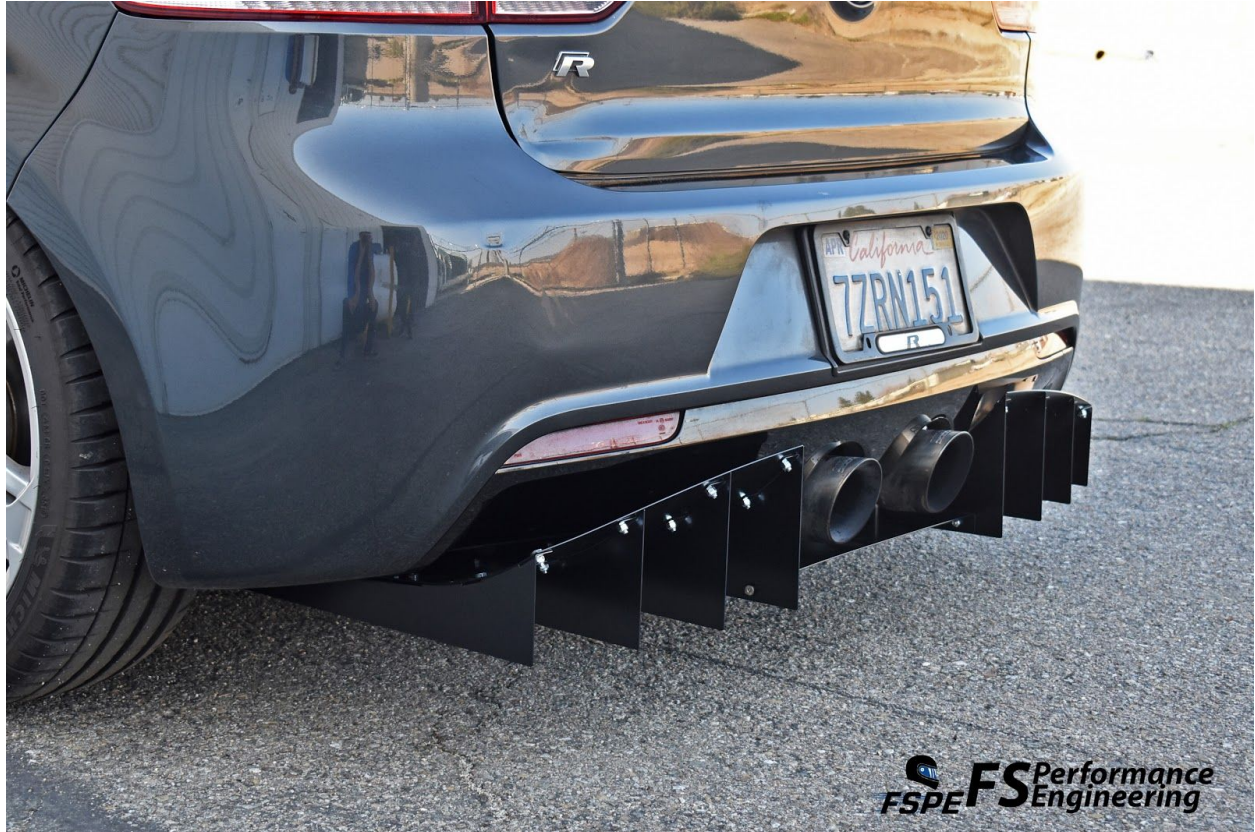
SPACERS (ignore the tape we had on them):





9.) Go back and use your limber arms to tighten the brackets to the car. We left them loose so you could adjust your diffuser around before tightening it. Once tightened, you're done!!!! Double check everything is sturdy and nothing is loose.

10.) Enjoy your new FS Performance Engineering aero! Tag us & use #FSPerformanceEngineering in the online world!!



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