



## FS Performance Engineering

### Volkswagen MK7 Golf GTI Canards Installation Instructions

#### **Tools Needed:**

- 10mm socket and wrench
- Ratchet wrench
- Blue painter's (masking) tape
- Pen or pencil
- Cordless drill
- 1/4" diameter drill bit
- Torx 25 (T25) wrench/bit
- 4mm allen wrench
- Helper/friend

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

- (2) Canards w/ applied lining
- (4) M6-1.0 x 0.75 stainless steel countersunk bolts
- (4) M6 black countersunk washers
- (4) M6-1.0 nyloc nuts
- (4) Small washers
- (4) Small rubber washers
- (1) Magnet set

#### **Additionally provided to help with install:**

- (2) M6-1.0 wizenuts

### Steps:

1. Start on the passenger side by applying painter's tape to the bumper where the canard will mount. We applied 4 layers of tape to protect the paint. (ignore the marks on the tape for now)



2. Turn your wheel all the way to the left so the fender is exposed. This is where you will access to the inside of the bumper. Using your T25 wrench remove the 2 or 3 torx bolts to gain access behind the bumper. (picture shows the driver's side, same on the passenger side)

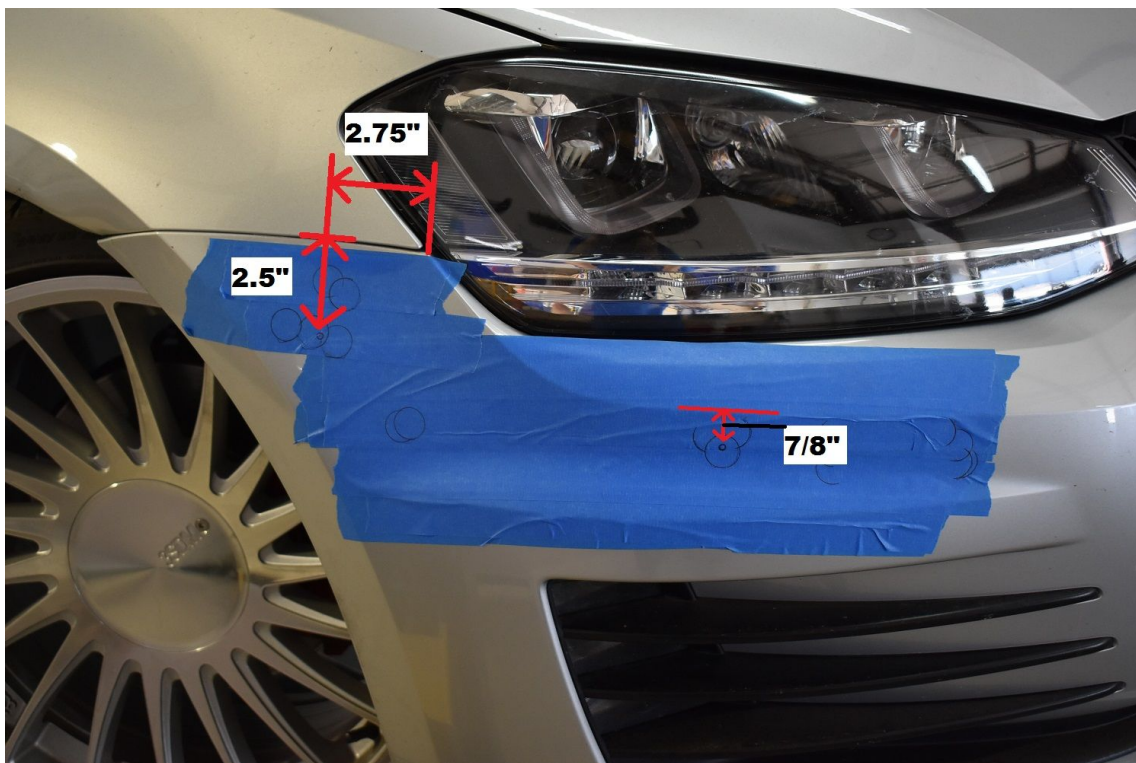


3. Get an idea of where the tabs on the canard will mount onto the car by holding the passenger side canard up against the car. The supplied magnets are used to locate mountable areas on the inside of the bumper. This way you do not need to remove the bumper. Use the magnets to find the mountable areas by placing one magnet on the inside of the bumper, and one on the outside. You can drag the magnet around on the inside and the magnet on the outside should follow, and vice versa. Make marks with your pencil or pen that show mountable areas. (2 pictures). We made a lot of marks but only a couple places will actually work.





4. Making sure your canard tabs *are within the mountable areas*, and angling it so it will be as close to the bumper as possible so gaps are filled (the liner can help fill small gaps later), mark your holes with your pen or pencil. Use our measurements to assure you have the canard tabs marked in the correct position.



5. Drill the holes with a ¼” diameter drill bit. Feel free to use the provided wiznuts to temporarily hold the canard if you want to drill one hole first, install the canard, and mark the second hole. We were confident in our hole positions so we drilled both at once but YOU DO YOU :) The latter method may be useful when lining up the canard on the driver’s side so it matches. After drilling remove the tape.



6. Install your canard (for each tab) using a M6-1.0 x 0.75 countersunk bolt and M6 black countersunk washer on the outside of the canard, a rubber washer between the canard and car, and a small washer + nyloc nut on the inside. Installing the washer/nuts on the inside will be a tad hard so be sure get help from a friend! We used either a 10mm socket/ratchet on the inside or a 10mm wrench, and a 4mm allen wrench on the outside. (2 pictures) **DO NOT OVERTIGHTEN.** The nyloc nuts will hold just fine without being over tightened.





7. Finally, use the rubber striping to fill any minor gaps between the canard and car. This can be done by pulling the canard away from the car, and then pushing the striping up against the car.

8. Reinstall any torx bolts removed and repeat the process on the other side of the car. Make sure to turn the wheel the opposite way and that the canards are symmetrically placed!

NOTE FOR THE DRIVER'S SIDE: The bolt toward the front of the car will be VERY TRICKY TO INSTALL because of how tight it is in there. You will need patience and small hands. We dropped our washer + nyloc nut several times requiring us to retrieve it from the bumper tray. BE PREPARED TO DROP AND RETRIEVE IT LIKE WE DID unless you are awesome and can do it first try.

9. Enjoy your new FS Performance Engineering canards! Don't forget to send us pictures once they are installed.



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