



## FS Performance Engineering

### Volkswagen MK7 Golf R Rear Diffuser Installation Instructions

#### Tools Needed:

- T15 torx driver
- 10mm socket and wrench
- Ratchet wrench
- Long extension (11", optional)
- Blue painter's (masking) tape
- Very stubby (about 1.5") pencil, or something short to make a mark on the masking tape
- Cordless drill
- 1/4" diameter drill bit

#### Included in Kit:

- (1) Diffuser
- (2) Exhaust brackets
- (2) Bumper brackets
- (4) M6-1.0 x 12mm hex flange bolts (shorter bolts)
- (10) M6-1.0 x 20mm hex flange bolts (longer bolts)
- (14) M6-1.0 hex flange nuts

#### Steps:

Note before starting: Loctite is supplied in this kit for the bolts as a safety measure if you plan on leaving the diffuser on the car for an extended length of time.

1. Raise car and secure with jack stands.

2. Remove the two screws holding the rear bumper in place using a T15 torx driver. Pinch or push down the clips with your fingers to remove them. Place these parts in a safe place if you plan on using them again one day.



3. Install the two bumper brackets using the longer bolts and corresponding nuts. Face the bolts upward and hand tighten. The short end of the bracket should be toward the top facing the rear of the car as shown in the illustration.



4. Identify the exhaust muffler mounts on either side of the exhaust. Drop the longer bolts into the holes from the top.



5. Install the exhaust brackets using the supplied nuts as shown in the illustration. The left side (driver's side) and right side (passenger side) brackets are indicated by an L and R. Tighten securely. Note: the driver's side is a bit tricky due to the presence of a clip (MK7R), you may need to install one bolt at a time on this side.

Left



Right



6. Apply masking tape to both flat sides of the rear bumper (passenger side shown).



7. Install the diffuser on the exhaust brackets using four of the shorter bolts pointing upward and corresponding nuts. Hand tighten at this time.



8. Install two of the longer bolts facing upward into the smaller, bumper brackets to help center the diffuser. Hand tighten at this time.



9. Center the diffuser best as possible and mark the holes in the diffuser on either end of the bumper using your stubby pencil. Make sure it shows up on the masking tape.



10. Now remove the 6 bolts and nuts holding the diffuser to the bumper brackets and exhaust brackets. Remove the diffuser. Drill holes in the bumper at your marked locations on the masking tape using a cordless drill and 1/4" diameter drill bit. Remove the blue tape and reinstall your diffuser hand tight using the 6 bolts and nuts just removed.





11. Install two longer bolts and corresponding nuts through the diffuser and into the holes just drilled on either side of the bumper. Face them upward and tighten securely so the diffuser sits up against the flat sides of the rear bumper. Note: The nut on top is digging into plastic. Don't torque on it so much that there is nothing to hold on to.

12. Securely tighten the 6 bolts holding the diffuser to the brackets, and the remaining two upper bolts in the bumper brackets.

12. Enjoy your new FS Performance Engineering diffuser! Remember to send us pictures once it is installed.



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