



BMW F8x Carbon Fiber Rear Diffuser Installation Instructions



Proper service and repair procedures are vital to the safe, reliable operation of all motor vehicles as well as the personal safety of those performing the repairs. Standard safety procedures and precautions (including use of safety goggles and proper tools and equipment) should be followed at all times to eliminate the possibility of personal injury or improper service which could damage the vehicle or compromise its safety.

INSTALLATION NOTES

- **RH** refers to the *passenger side* of the vehicle.
- **LH** refers to the *driver side* of the vehicle.
- Always use the proper torque specifications.
- If applicable to this installation, torque specifications will be listed throughout the document and at the end as well.
- Please read all of these instructions and familiarize yourself with the complete process **BEFORE** you begin.

GENERAL PREPARATION AND SAFETY INFORMATION

Turner Motorsport cares about your health and safety, please read the following safety information. This information pertains to automotive service in general, and while it may not pertain to every job you do, please remember and share these important safety tips.

- Park your car in a safe, well lit, level area.
- Shut the engine off and remove the key from the ignition switch.
- Make sure any remote start devices are properly disabled.
- **ALWAYS** wear safety glasses.
- Make sure the parking brake is applied until the vehicle is safely lifted and supported.
- Whether lifting a vehicle using an automotive lift or a hydraulic jack, be sure and utilize the factory specified lift points.
- Lifting a vehicle in an incorrect location can cause damage to the suspension/running gear.
- **ALWAYS** support the vehicle with jack stands.
- **ALWAYS** read and follow all safety information and warnings for the equipment you are using.

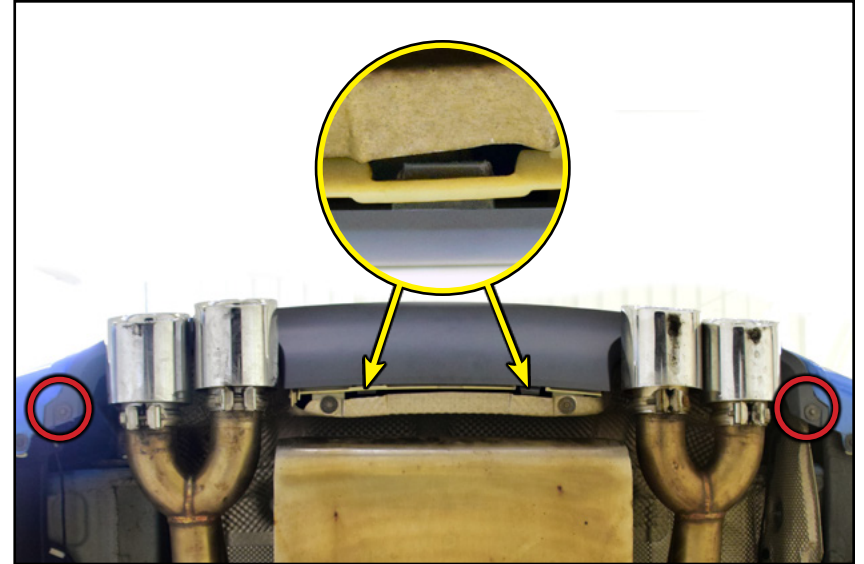


NEVER get underneath a vehicle that is supported only by a jack, and **ALWAYS** make sure that the vehicle is securely supported on jack stands.

INSTALLING THE REAR DIFFUSER KIT

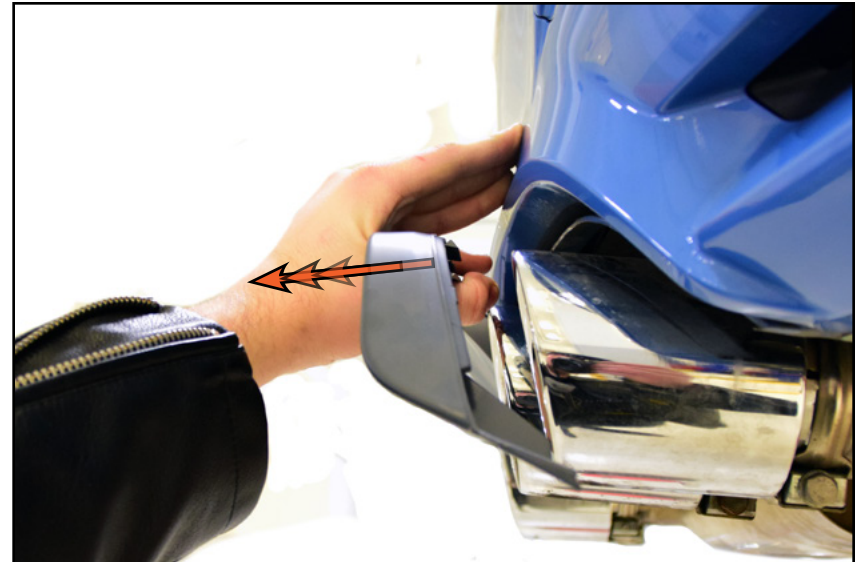
Step 1: 8mm Socket & Ratchet

Remove the two screws (circled in **RED**) which secure the stock rear diffuser to the vehicle. Using a pick or small flat head screwdriver, pop the two mounting tabs (inset photo) downward to pop them free from the vehicle.



Step 2:

Starting at one side, carefully but firmly pull the rear diffuser free from the rear bumper as shown.



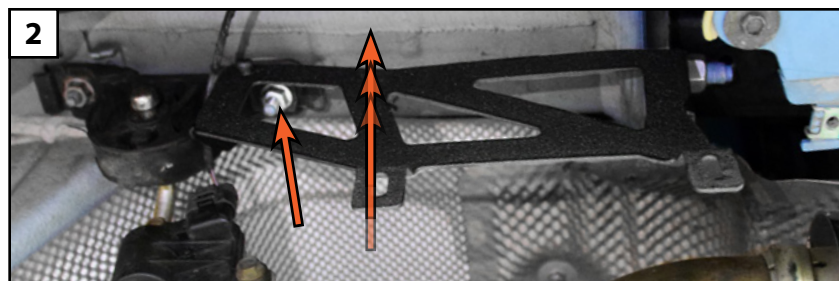
INSTALLING THE REAR DIFFUSER KIT

Step 3: 18mm Wrench, 13mm Socket & Ratchet



If you only purchased the upper diffuser portion you can skip this step.

Install each mounting bracket into the car by sliding it forward onto the stud (arrow in photo 1) hidden behind the rear bumper, then rotate it upward so that the other end slides over the muffler hanger stud (arrow in photo 2). Install the provided M8 and M10 nuts onto the studs and tighten them to secure the bracket in place. Repeat for the other bracket.

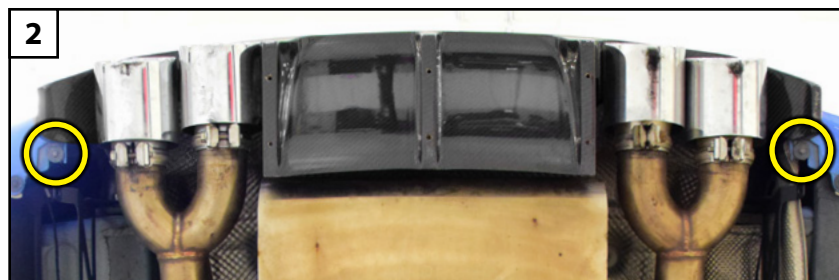


Step 4: 8mm Socket & Ratchet

Slide the carbon fiber diffuser into place and push forward to pop the clips into the bumper (photo 1). Install the two screws (circled in **YELLOW**) to secure the rear diffuser in place (photo 2).



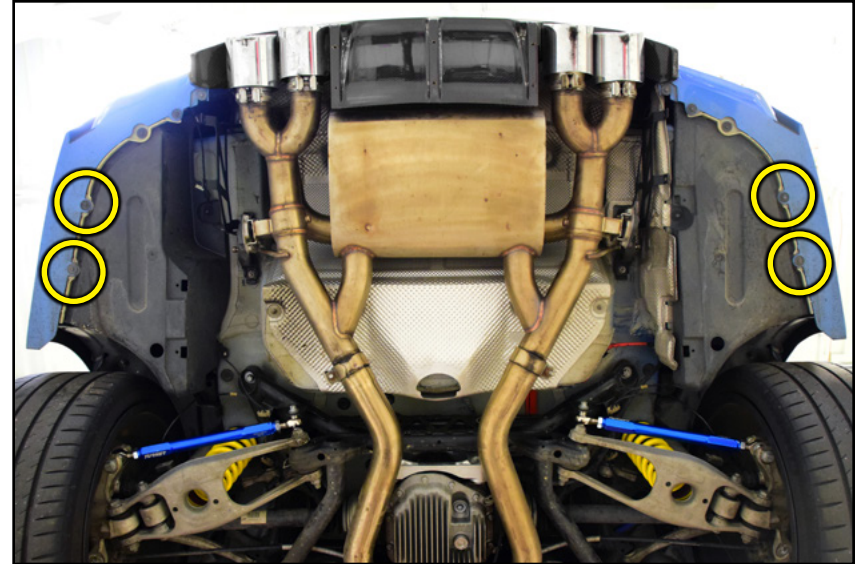
If you only purchased the upper diffuser portion, **congratulations, your installation is complete!**



INSTALLING THE REAR DIFFUSER KIT

Step 5: 8mm Socket & Ratchet

Remove the four screw (circled in **YELLOW**) and set them aside, we will be re-using them later.

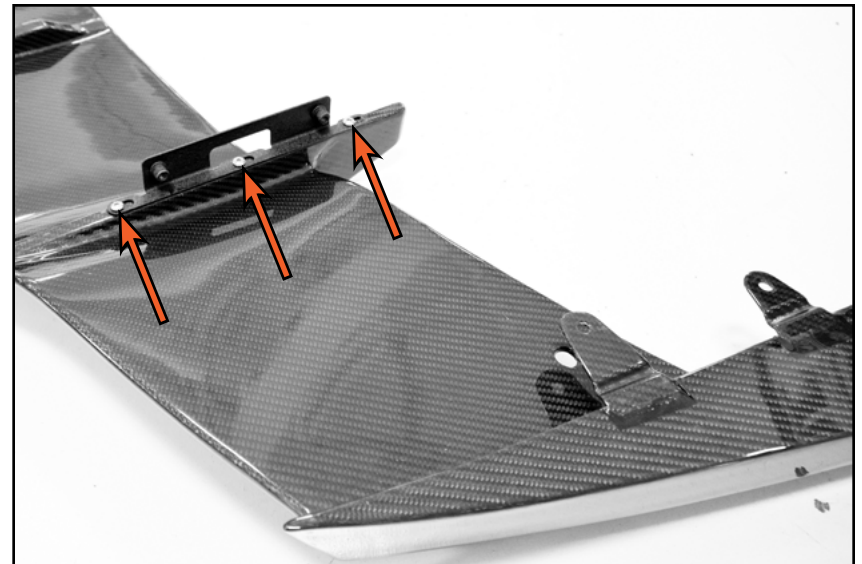


Step 6: 3mm Hex (Allen)

Install each bracket onto the lower diffuser portion as shown using the provided M5 screws (arrows).



The holes in these brackets are slotted to allow for adjustment. If needed, loosen the screws and slide the bracket in or out to achieve proper alignment, then tighten the screws back down.



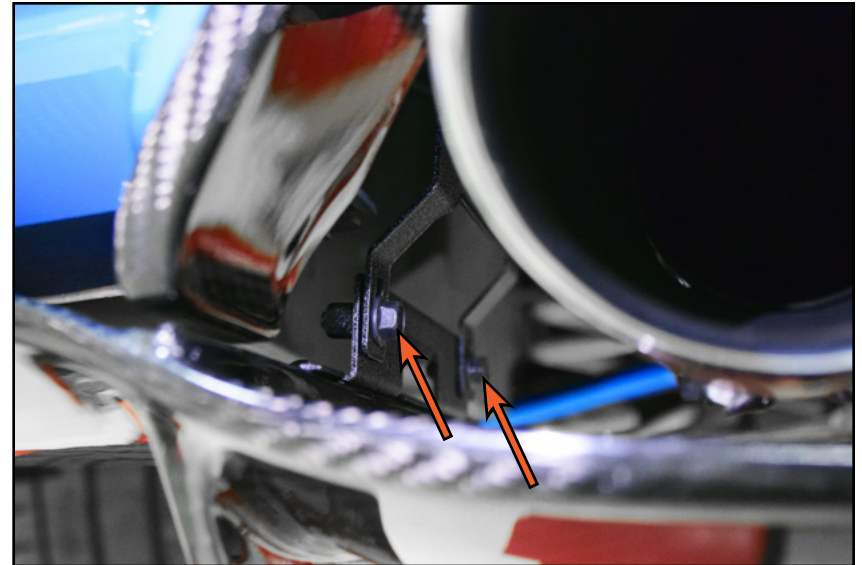
INSTALLING THE REAR DIFFUSER KIT

Step 7: 10mm Socket & Ratchet

Lift the lower diffuser into place and install the two M6 bolts (arrows) which secures the lower diffuser to each mounting bracket.

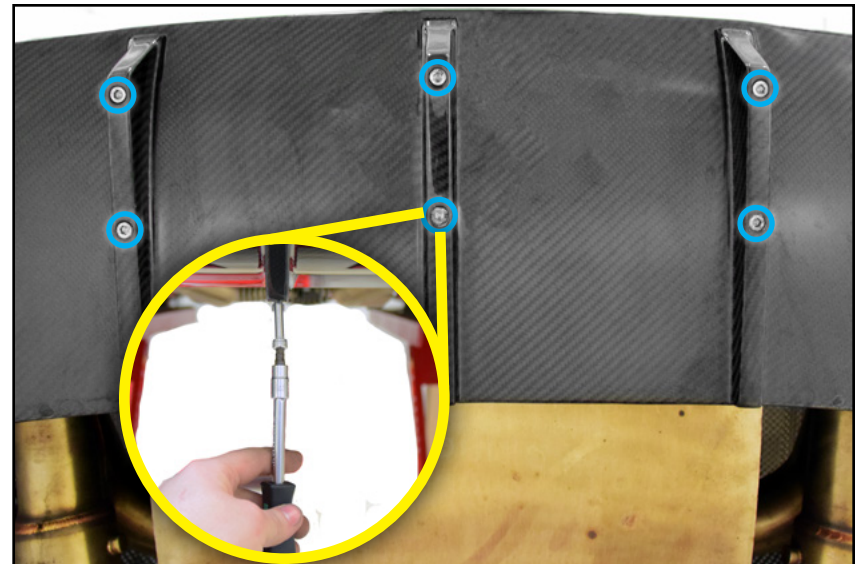


The holes in these brackets are slotted to allow for adjustment. If needed, loosen the bolts and slide the lower diffuser up or down to achieve proper alignment, then tighten the bolts back down.



Step 8: 5mm Hex (Allen)

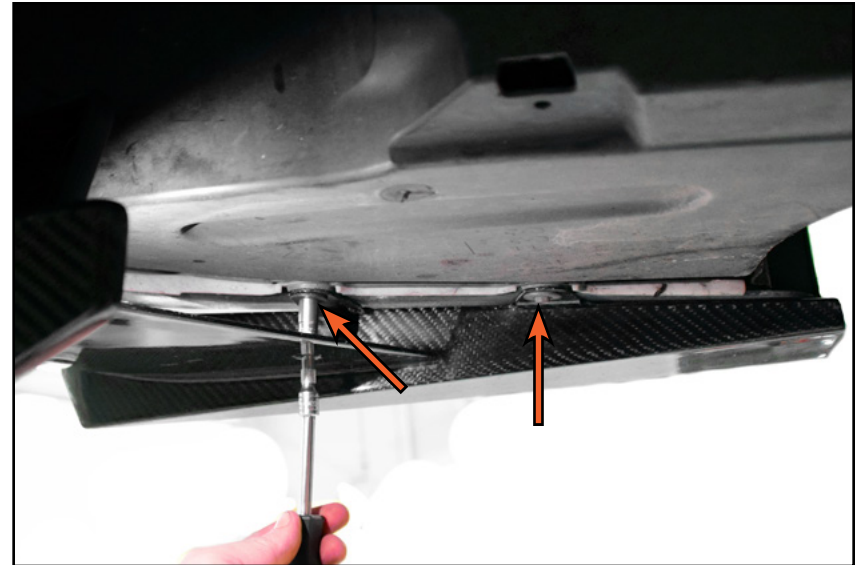
Install the six vertical bolts (circled in **BLUE**) through the holes in the lower diffuser and into the threaded inserts in the upper diffuser as shown.



INSTALLING THE REAR DIFFUSER KIT

Step 9: 8mm Socket & Ratchet

Reinstall the screws we removed earlier (arrows) through the diffuser and back into the holes in vehicle.



Congratulations, your installation is complete!



CARBON FIBER CLEANING AND CARE

Turner Motorsport Carbon Fiber Diffusers are clear coated for excellent finish durability and UV resistance right out of the box.

Carbon fiber can be washed with any gentle cleanser or soap. If it is safe for the paint on your car, it will be safe for the carbon fiber.

Be extra careful not to nick or deeply scratch the clear coat on the carbon fiber. This can lead to water intrusion into the carbon fiber which will damage the finish and the integrity of the diffuser.

If the clear coat does get nicked or deeply scratched to expose the carbon fiber, seal the damaged area thoroughly with a clear coat touch up or clear nail polish.

To retain UV resistance and protect the finish, we recommend regular waxing with a high quality caranuba wax.

Small surface scratches and light oxidation can be buffed out using the same methods and cautions you would use on the vehicle paint.

**Carbon Fiber Cleaning and Care Kit,
available at turnermotorsport.com**

[T#383078](#)



Your Carbon Fiber Rear Diffuser installation is complete!



These instructions are provided as a courtesy by Turner Motorsport

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