



BMW E36 M3 Street Flow Rear Diffuser
Installation Instructions - [Click HERE to Shop](#)



Skill Level
1 - Easy
Basic Skills
Required



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

ECS Tuning 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

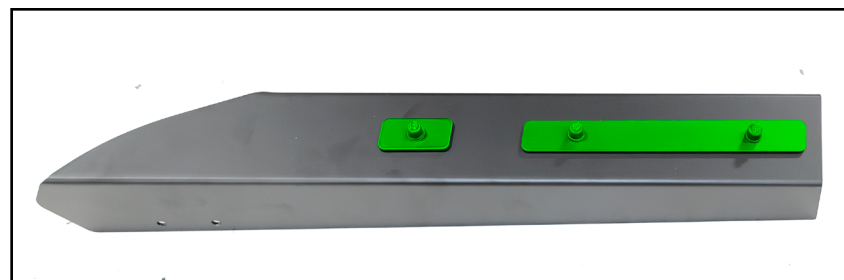
Step 1: Trim Removal Tool

Remove the plastic push rivets (**RED** circles) from the underside of the rear valance.



Step 2: 4mm Hex (Allen) Socket & Ratchet

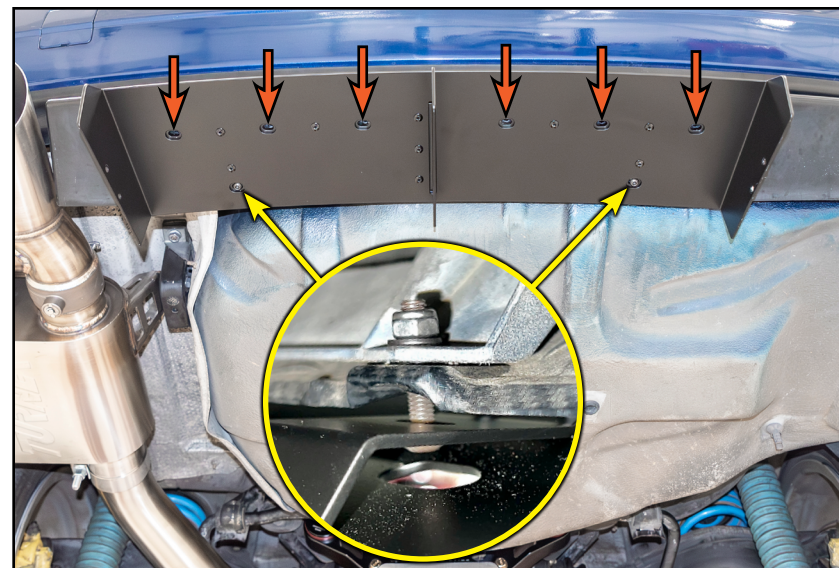
Remove the clamping brackets (highlighted in **GREEN**) from the center diffuser panel and side spats.



INSTALLING THE REAR DIFFUSER

Step 3: Paint Pen, 10mm, 4mm Hex (Allen) Socket & Ratchet

Lift the center diffuser panel into place and secure it at the front two locations with the provided M6 x 25mm screws, washers, and nuts (as shown in inset photo) but leave them loose enough to allow for adjustment. Adjust the center diffuser panel until it is perfectly centered and level, tighten the hardware until snug, and mark where the center of each hole (arrows) aligns with the rear valance.



Step 4: 4mm Drill Bit & Drill

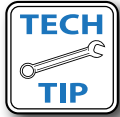
Remove the diffuser panel, then carefully drill 4mm holes at each of the locations marked in the previous step (**RED** circles).



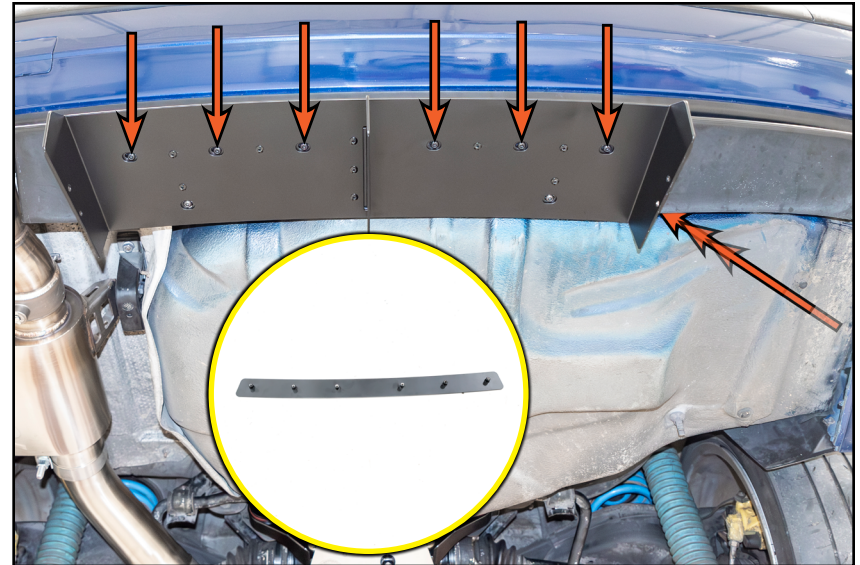
INSTALLING THE REAR DIFFUSER

Step 5: 10mm, 4mm Hex (Allen) Socket & Ratchet

Reinstall the center diffuser panel, adjust it until it is perfectly centered and level, then tighten the front hardware until snug. Slide the center clamping bracket (inset photo) inside the valance from the passenger side as shown (motion arrows) and align the threaded inserts with the drilled holes, then install the screws (arrows) through the diffuser and into the threaded inserts in the brackets, sandwiching the valance between the two.

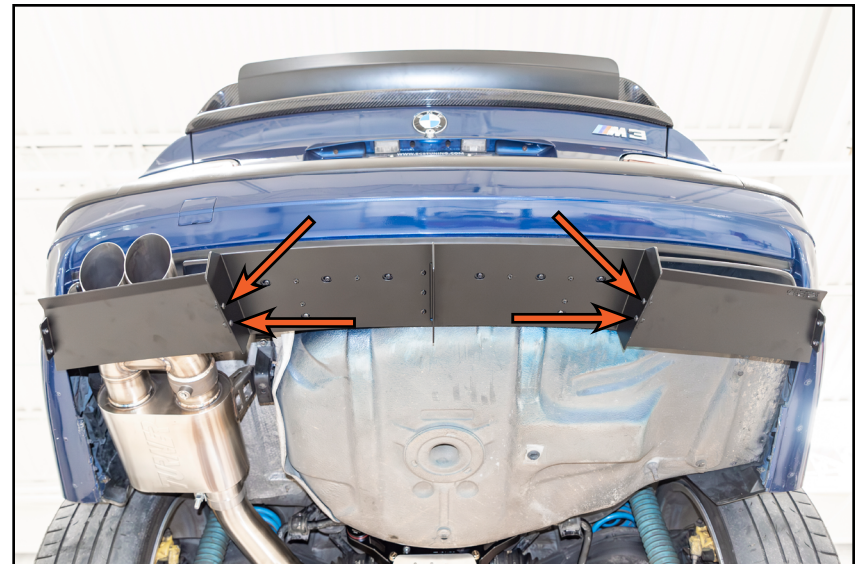


To make installation of the clamping bracket easier, remove the center diffuser panel, pull down on the valance, and slide the bracket into position inside the valance, then reinstall the diffuser panel.



Step 6: 4mm Hex (Allen) Socket & Ratchet

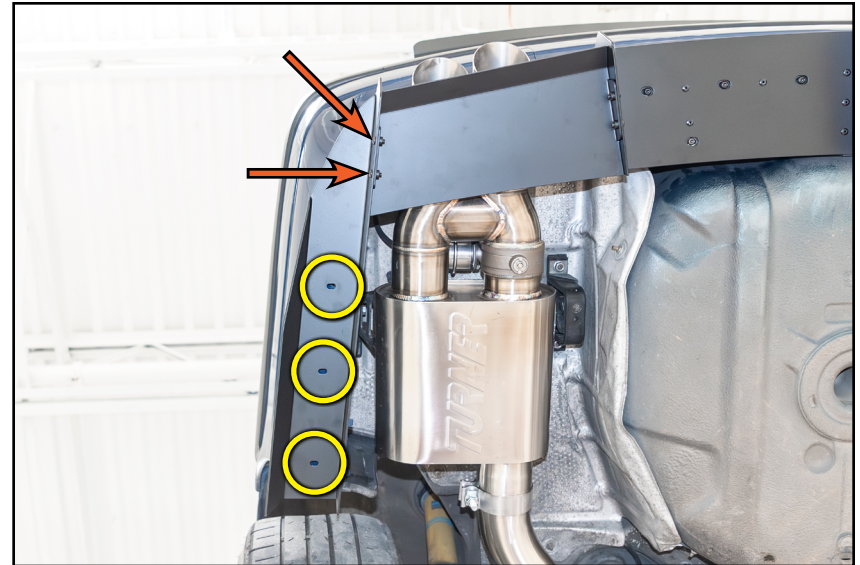
Lift each side diffuser panel into place and secure it to the center panel with two of the provided M6 x 12mm screws (arrows), tightening until snug.



INSTALLING THE REAR DIFFUSER

Step 7: Paint Pen, 4mm Hex (Allen) Socket & Ratchet

Lift each side spat into place and secure it to the side panel with two of the provided M6 x 12mm screws (arrows), tightening until snug. Push up on each side spat and mark where the three holes (circled in **YELLOW**) align with the bumper.



Step 8: 4mm Drill Bit & Drill

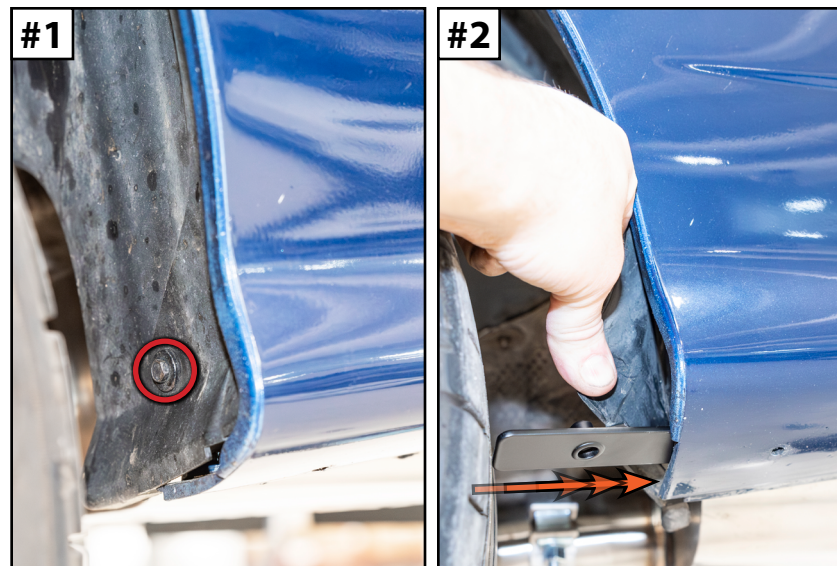
Remove the side spats, then carefully drill 4mm holes at each of the locations marked in the previous step (**RED** circles).



INSTALLING THE REAR DIFFUSER

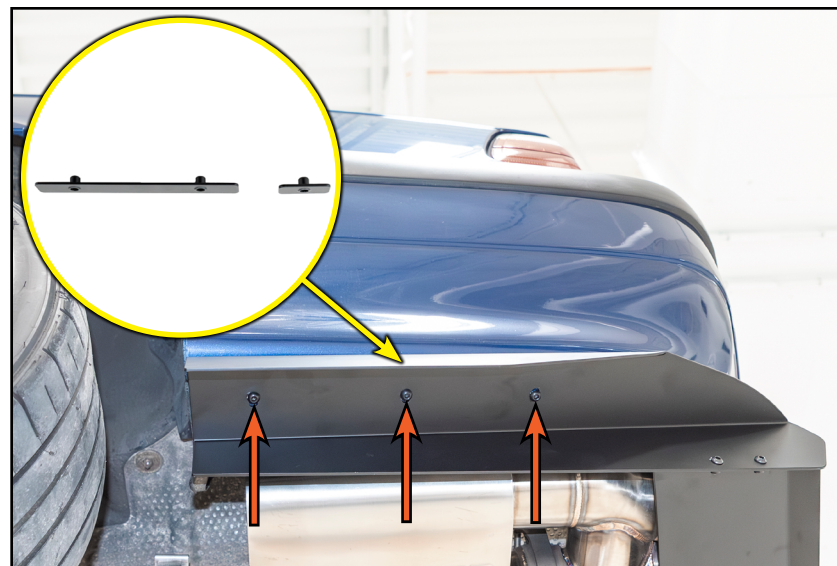
Step 9: 8mm Socket & Ratchet

Remove the screw (circled in **RED** in **photo #1**), then pull back the fender liner and slide the longer side spat clamping bracket into either side of the bumper (as shown in **photo #2**) and align the threaded inserts with the two frontmost drilled holes. Reinstall the screw to secure the fender liner back into place.



Step 10: 4mm Hex (Allen) Socket & Ratchet

Install the shorter side spat clamping bracket inside the bumper cover behind the longer one (as shown in the inset photo). Reinstall the side spats and install the screws (arrows) through the side spat and into the threaded inserts in the brackets, sandwiching the bumper between the two. Adjust the side spats until you are satisfied with their fitment then tighten the screws until snug.



Congratulations, your installation is complete!

Your Rear Diffuser installation is complete!



These instructions are provided as a courtesy by ECS Tuning

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