



BMW M5x/S5x Ignition Coil Heat Shield 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.

REMOVING THE STOCK INTAKE SYSTEM

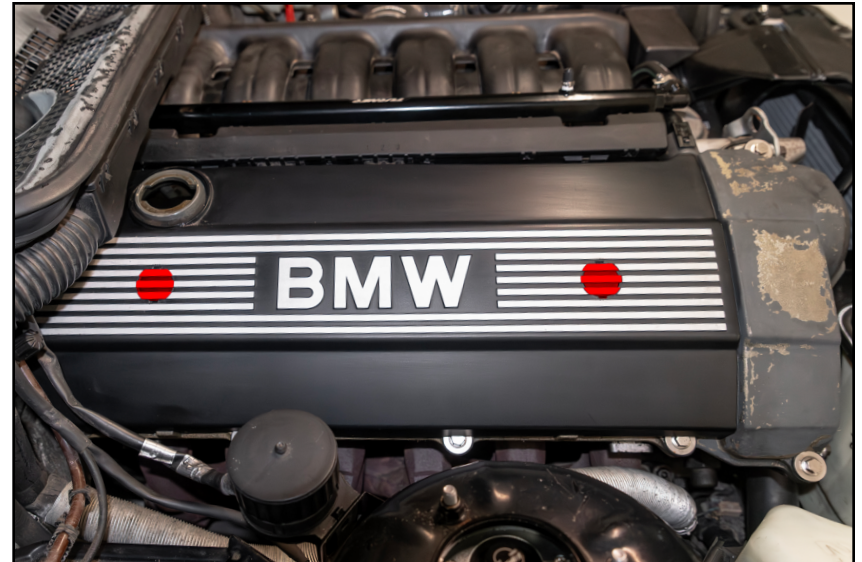
Step 1:

Remove the oil fill cap (arrow) and set it aside.



Step 2: Trim Removal Tool

Depress the retaining tabs and remove the plastic covers (highlighted in **RED**) from the ignition coil cover.



REMOVING THE STOCK INTAKE SYSTEM

Step 3: 10mm Socket & Ratchet

Remove the nuts (circled in **RED**) and remove the ignition coil cover.



Step 4: Locking Pliers

Remove the rubber standoffs (circled in **RED**) from the valve cover.



REMOVING THE STOCK INTAKE SYSTEM

Step 5: 13mm Socket & Torque Wrench

Install the new provided standoffs (circled in **YELLOW**) and torque them to 10 Nm (7 Ft-lbs).



Step 6: 10mm Socket & Torque Wrench

Guide the new heat shield into place, then secure it to the standoffs using the provided M6 nuts (circled in **YELLOW**), torquing them to 8 Nm (6 Ft-lbs).



REMOVING THE STOCK INTAKE SYSTEM

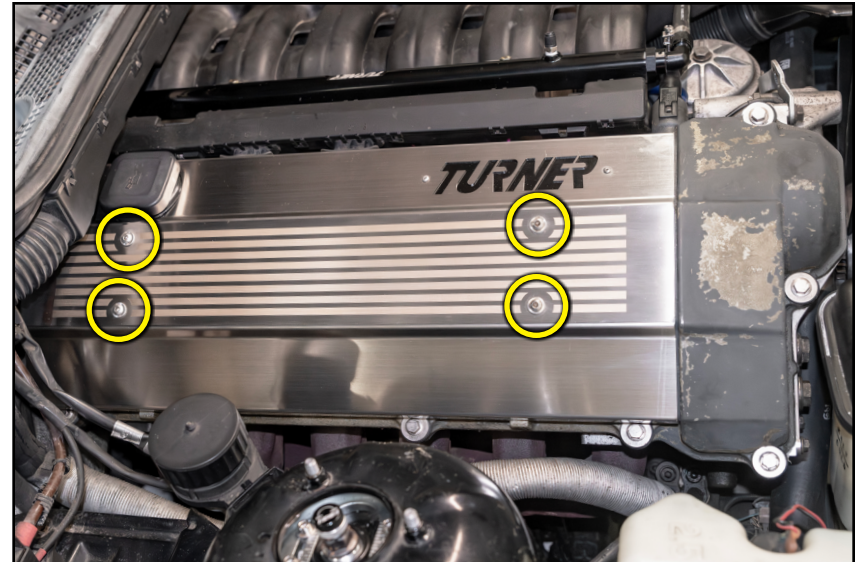
Step 7:

Reinstall the oil fill cap (arrow).



Step 8: 4mm Hex (Allen) Socket & Ratchet

Install the new cover panel and secure it to the heat shield with the provided M6 screws (circled in **YELLOW**).



Congratulations, Your installation is complete!

Your Ignition Coil Heat Shield installation is complete!



These instructions are provided as a courtesy by Turner Motorsport

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