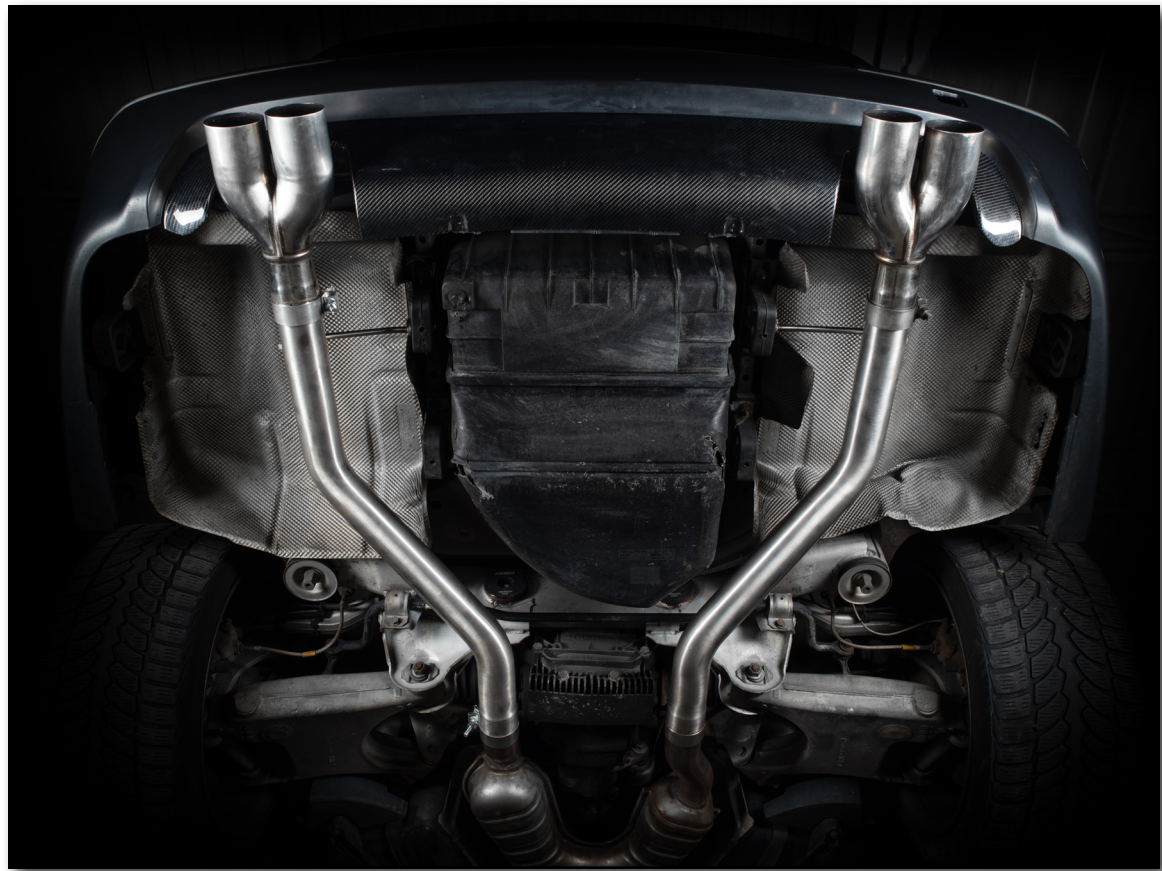




BMW E39 M5 Muffler Delete Kit Installation Instructions



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.

PROJECT OVERVIEW

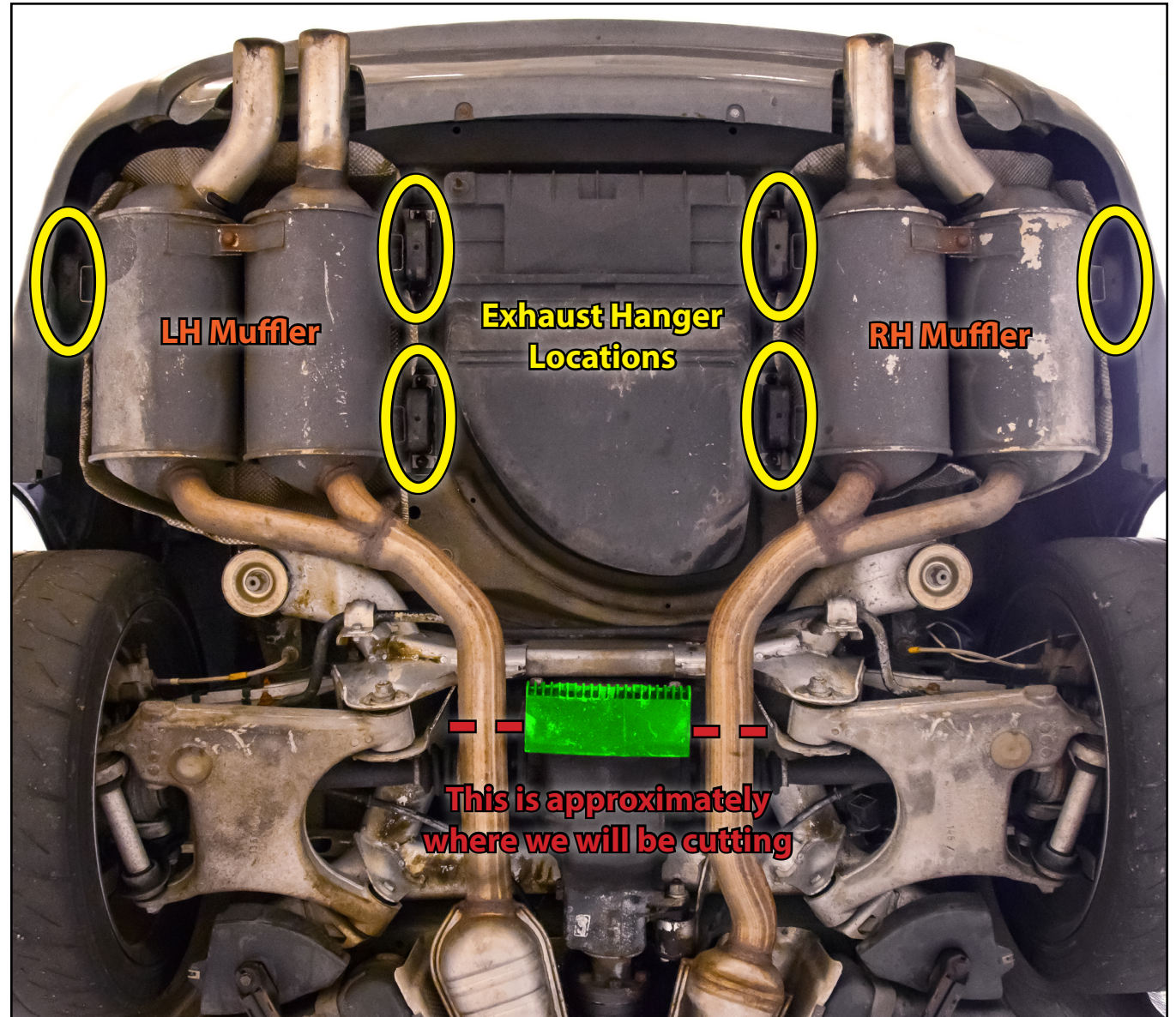
Take a moment and familiarize yourself with the photo on the right.

Identify the location of the mufflers and exhaust hangers, as well as the differential cover (highlighted in **GREEN**). As you can see, we will be cutting the stock exhaust approximately 7/8" downstream of the front face of the differential cover.

Here's a quick overview of the installation procedure:

- Support the system from below
- Measure, mark, and cut the system
- Remove the stock mufflers
- Install the new muffler delete pipes
- Install the exhaust tips
- Adjust the system
- Tighten the clamps

Let's get started!



REMOVING THE STOCK MUFFLERS

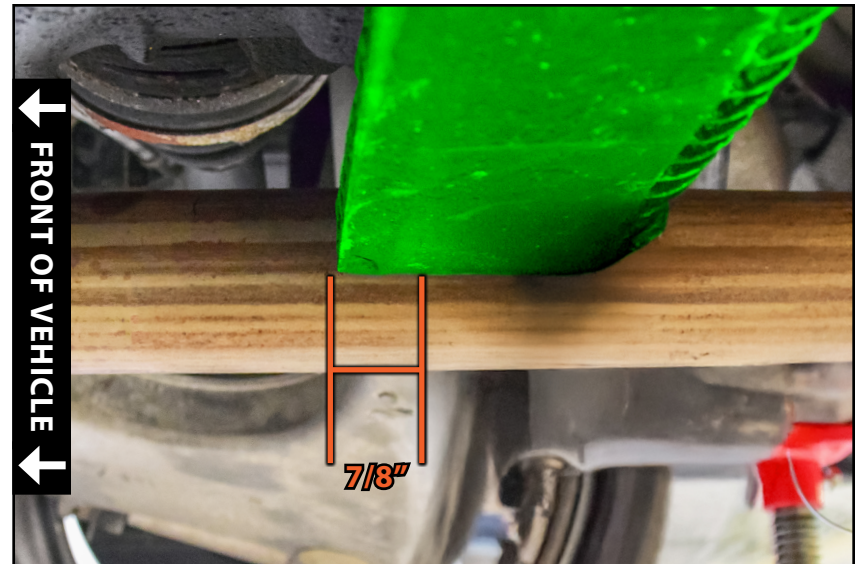
Step 1: Pole Jacks

Safely lift and support the vehicle, then properly support both ends of the exhaust so that it does not drop and cause damage.



Step 2: Measuring Tape, Marker

Starting at the front face of the differential cover (highlighted in **GREEN**) measure 7/8" downstream, and make a mark all the way around each exhaust pipe at this point to guide your cut.



REMOVING THE STOCK MUFFLERS

Step 3: Reciprocating Saw -OR- Exhaust Pipe Cutter Tool



It is **absolutely imperative** that you take your time here and double or triple check your marks before you cut.

Using a reciprocating saw or exhaust pipe cutter tool (available [HERE](#)) cut along the line you made in the previous step until you cut all the way through each pipe.

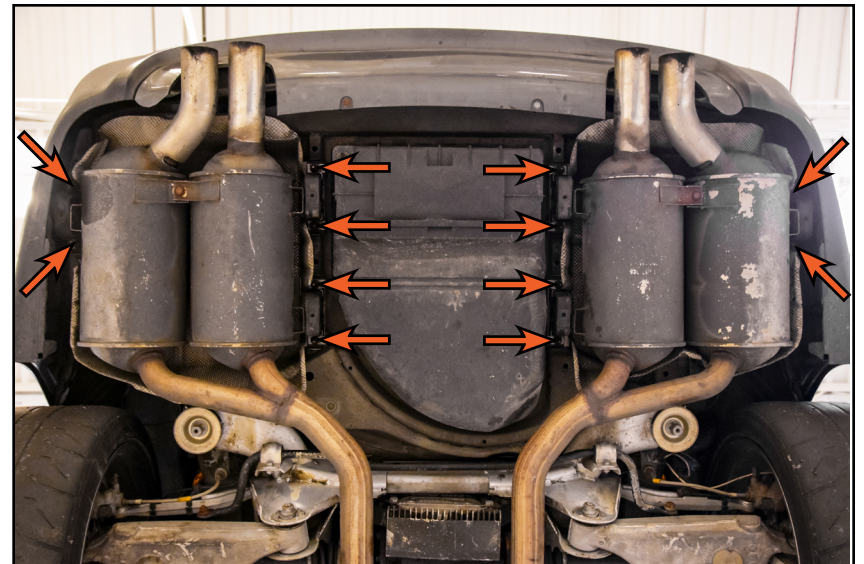


Step 4: 13mm Socket, Extensions & Ratchet



The mufflers weigh over 67 pounds combined, we highly recommend having an extra set of hands or a jack in place to support each muffler before attempting to remove it.

Support each muffler, remove the nuts (arrows) that secure the hangers, and remove each muffler from the vehicle.



REMOVING THE STOCK MUFFLERS

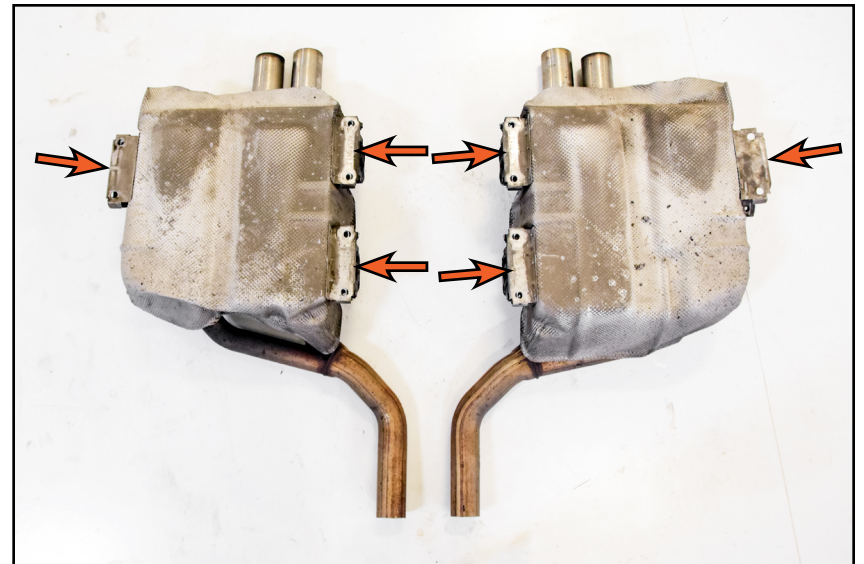
Step 5: Metal File

Using a metal file, clean up any burrs or rough edges on the cut edge of the exhaust pipes.



Step 6: 13mm Socket & Ratchet

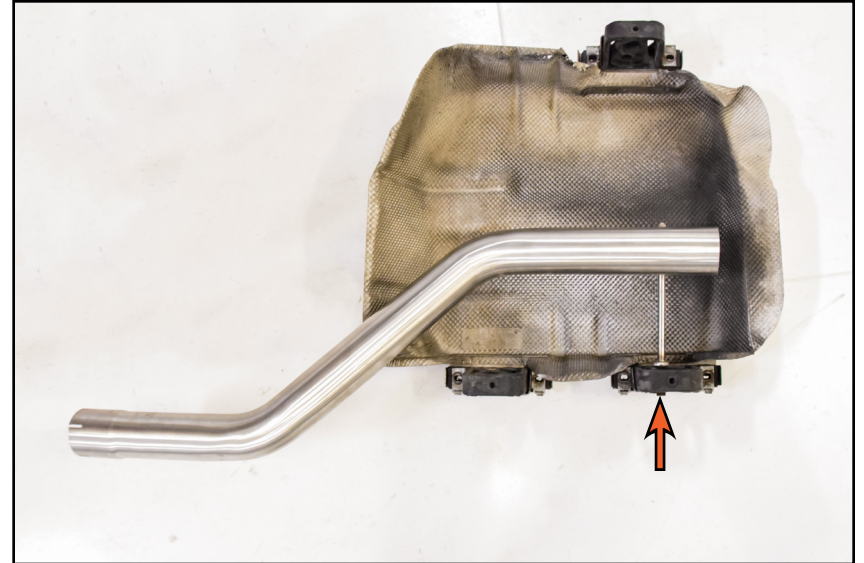
Remove the six bolts (arrows) that secure the mufflers to the exhaust hangers and heat shields.



INSTALLING THE MUFFLER DELETE PIPES

Step 1: 13mm Socket & Ratchet

Transfer the heat shields to the new pipes as shown and reinstall one of the bolts (arrow) through the hanger and into the rod on the pipe.



Step 2:

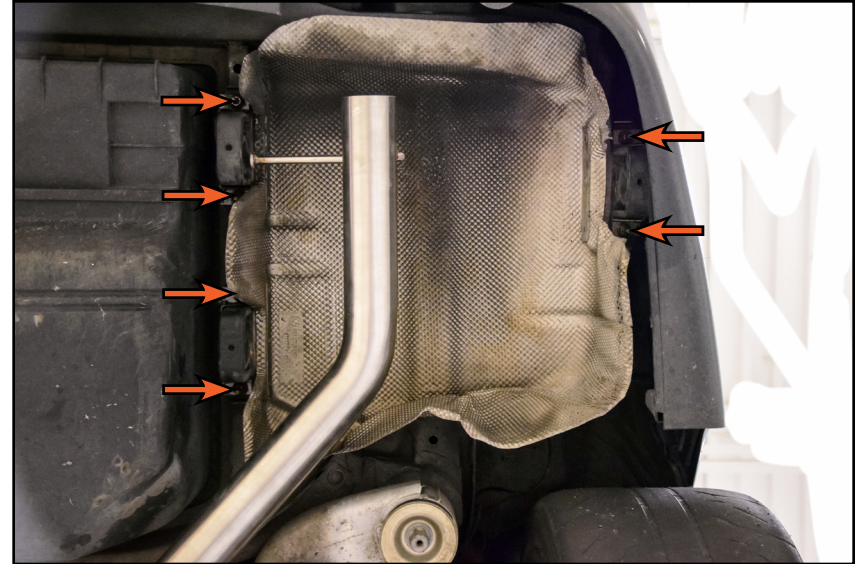
Slide one of the provided clamps (arrow) over the end of the end of each pipe and lift it into place, sliding it over the cut end of the stock exhaust as shown.



INSTALLING THE MUFFLER DELETE PIPES

Step 3: 13mm Socket, Extensions & Ratchet

Reinstall the six nuts (arrows) that secure the hangers and heat shields to the body.



Step 4: 15mm Socket & Ratchet

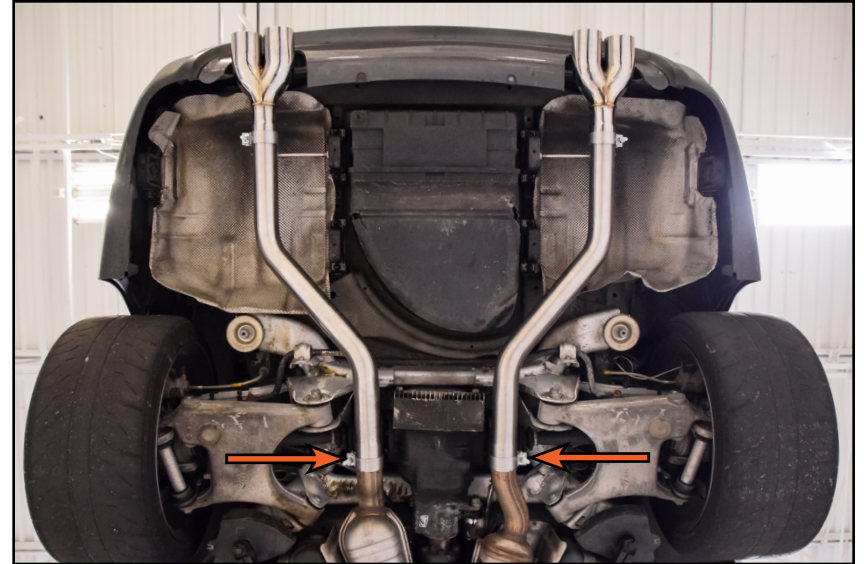
Slide the pipe forward and tighten the clamp to hold it in place, but leave it loose enough to allow for adjustment.



INSTALLING THE MUFFLER DELETE PIPES

Step 5: 15mm Socket & Ratchet

Adjust the delete pipes until the hanger rods are level and the pipes are centered in the bumper cutouts, then tighten the clamps (arrows) until fully snug. Slide the exhaust tips and clamps onto each pipe as shown.



Step 6: 15mm Socket & Ratchet

Adjust the tips until they are centered and level within the bumper cutouts, then fully tighten the clamps (arrows).

Congratulations, your installation is complete!



Your Muffler Delete Pipes installation is complete!



These instructions are provided as a courtesy by Turner Motorsport

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