



BMW E8x N54/N55 Muffler delete Kit
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.

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REQUIRED TOOLS

Note: The tools required for each step will be listed by the step number throughout these instructions.

Standard Automotive Tools

- Protecta-Sockets (for lug nuts)..... [ES#2221243](#)
- **3/8" Drive Ratchet**..... [ES#2765902](#)
- 3/8" Drive Torque Wrench..... [ES#2221245](#)
- **3/8" Drive Deep and Shallow Sockets** [ES#2763772](#)
- **3/8" Drive Extensions** [ES#2804822](#)
- **Hydraulic Floor Jack** [ES#2834951](#)
- **Torx Drivers and Sockets** [ES#11417/8](#)
- 1/2" Drive Deep and Shallow Sockets..... [ES#2839106](#)
- 1/2" Drive Ratchet
- 1/2" Drive Extensions
- 1/2" Drive Torque Wrench..... [ES#2221244](#)
- 1/2" Drive Breaker Bar [ES#2776653](#)
- Bench Mounted Vise
- Crows Foot Wrenches
- **Hook and Pick Tool Set**..... [ES#2778980](#)

Required For This Install

- **1/4" Drive Ratchet**..... [ES#2823235](#)
- **1/4" Drive Deep and Shallow Sockets**..... [ES#2823235](#)
- **1/4" Drive Extensions**..... [ES#2823235](#)
- Plier and Cutter Set..... [ES#2804496](#)
- **Flat and Phillips Screwdrivers** [ES#2225921](#)
- **Jack Stands** [ES#2763355](#)
- Ball Pein Hammers
- Pry Bar Set..... [ES#1899378](#)
- Electric/Cordless Drill
- Wire Strippers/Crimpers
- Drill Bits
- Punch and Chisel Set
- Hex Bit (Allen) Wrenches and Sockets [ES#11420](#)
- Thread Repair Tools [ES#1306824](#)
- Open/Boxed End Wrench Set [ES#2765907](#)

Available On Our Website

Specialty Tools

- **Exhaust Hanger Remover Pliers** [ES#2784927](#)

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.

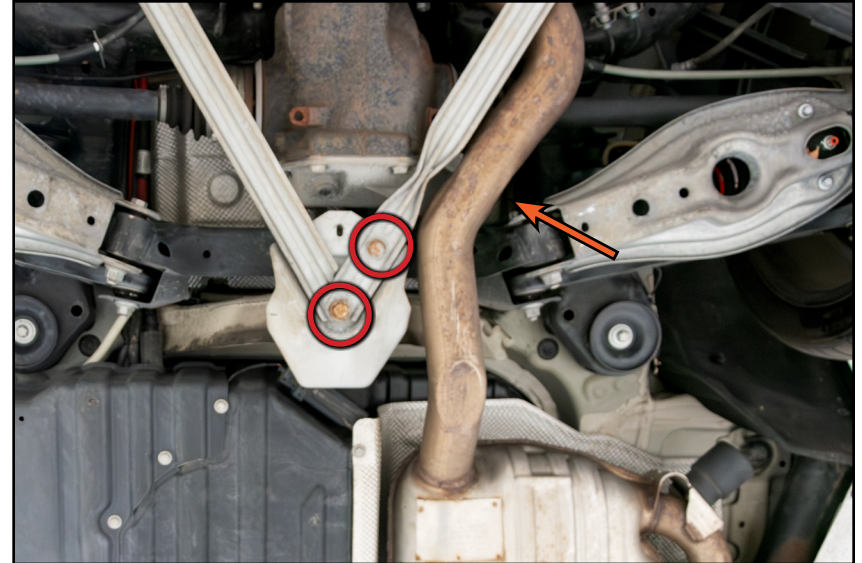


NEVER get underneath a vehicle that is supported only by a jack, and **ALWAYS** make sure that the vehicle is securely supported on jack stands.

REMOVING THE STOCK MUFFLER

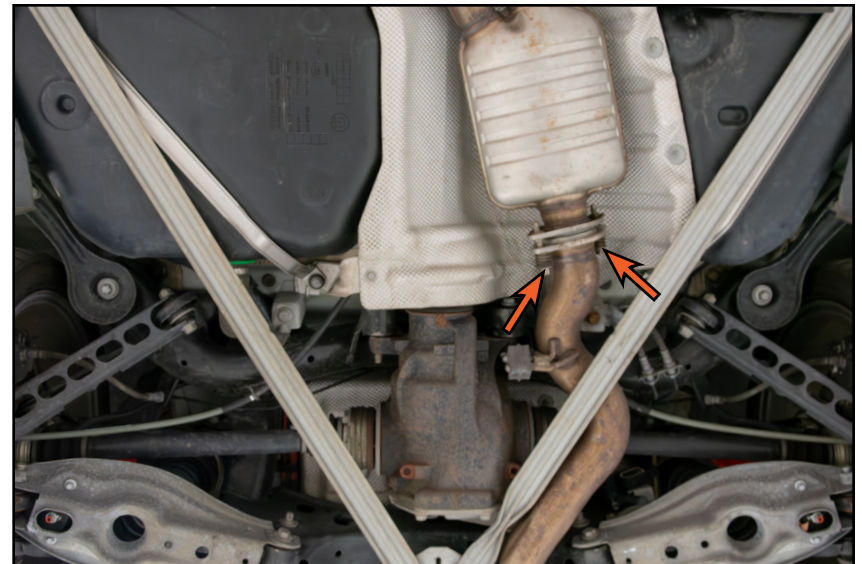
Step 1: 16mm, 18mm Socket & Ratchet

Safely lift and support the vehicle, remove the bolts (circled in **RED**), then remove the bolt (arrow) from the bracket that supports the LH rear chassis brace and allow the brace to drop down.



Step 2: 14mm Socket & Ratchet

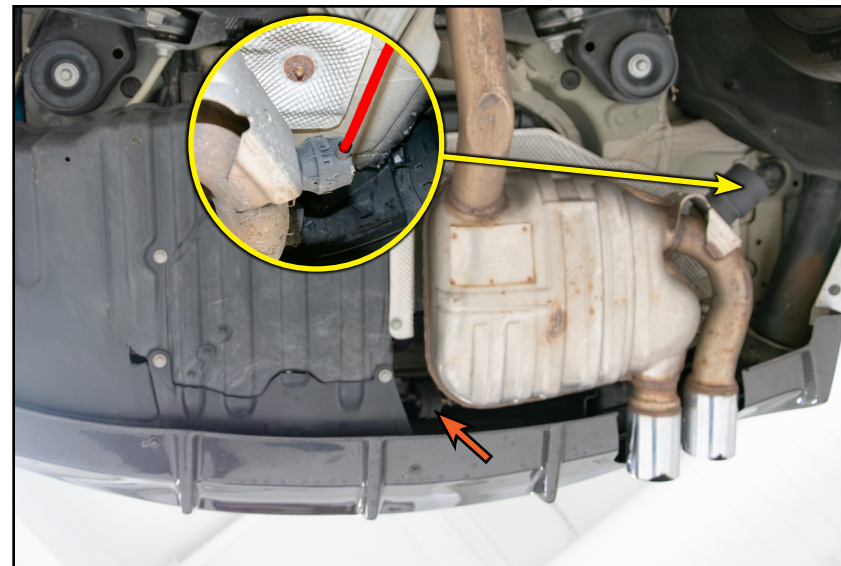
Remove the two bolts (arrows) to disconnect the muffler section from the rest of the exhaust.



REMOVING THE STOCK MUFFLER

Step 3: E10 Torx Socket & Ratchet

Disconnect the vacuum hose (highlighted in **RED** in inset photo), plug it, and tuck it safely out of the way. Support the exhaust from underneath, then unbolt the LH muffler hanger (arrow).



Step 4: Exhaust Hanger Removal Pliers

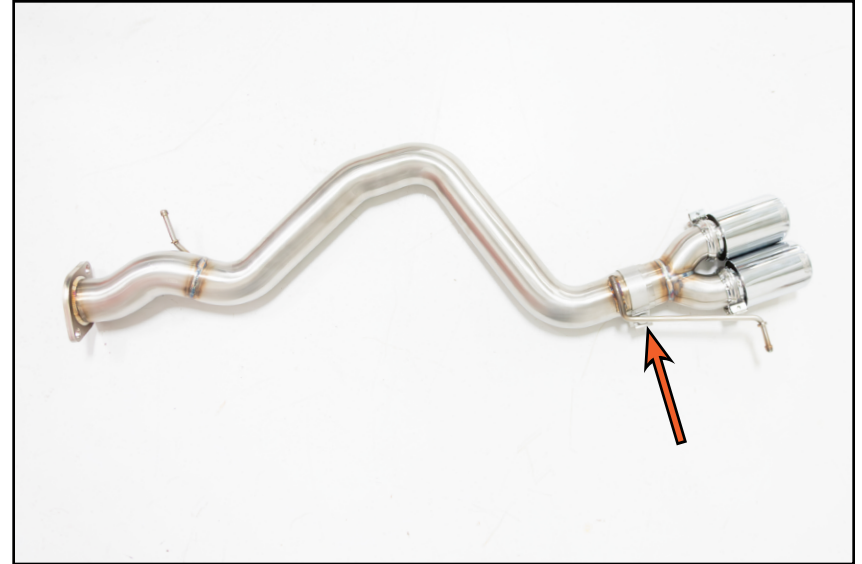
Disconnect the rear RH muffler hanger (arrow in **photo #1**), then disconnect the front exhaust hanger (arrow in **photo#2**). Remove the muffler section from the vehicle.



INSTALLING THE NEW MUFFLER DELETE

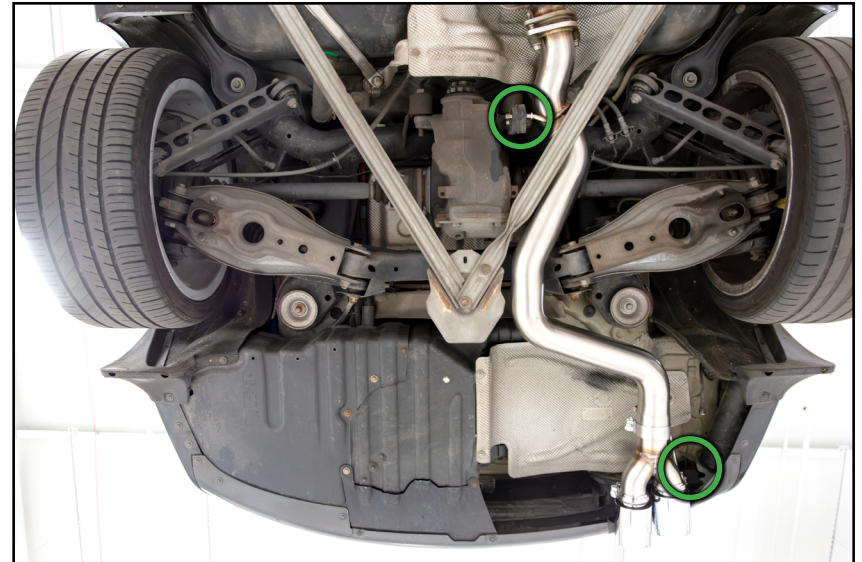
Step 1: Pipe Expander - OR - Ball Pein Hammer

Before we begin it's a good idea to unpack your new exhaust system and carefully lay it out on the floor. Inspect all of the slip joints for any signs of damage during shipping. Test fit the pipes together at every slip joint to make sure they slide together easily. If they do not slide together easily, use a pipe expander or gently tap on the ends of the pipes with a ball pein hammer to straighten them, then recheck fitment. Once the pipes slide together easily, assemble the muffler delete by installing the tail pipe and tightening the clamp (arrow) until snug.



Step 2:

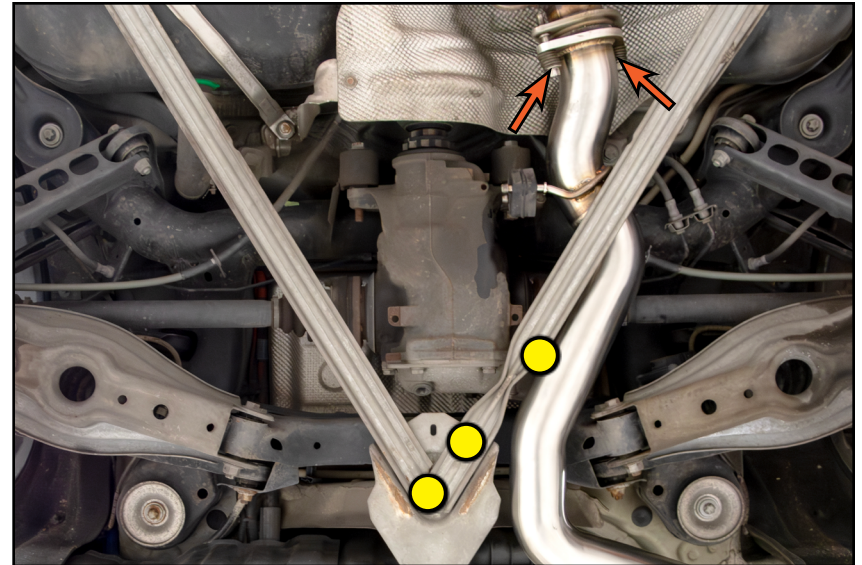
Install the muffler delete section onto the stock exhaust and reconnect the exhaust hangers (circled in **GREEN**).



INSTALLING THE NEW MUFFLER DELETE

Step 3: 14mm, 16mm, 18mm Socket & Ratchet

Install the provided bolts (arrows) to secure the muffler delete. Reinstall the bolts (**YELLOW** circles) that secure the rear chassis brace to the vehicle.



Step 4: 13mm Socket & Ratchet

Install the swivel exhaust tips, then it's time to adjust the exhaust system for proper fitment. The key to proper adjustment is patience, take your time and snug the clamps but **DO NOT** fully tighten any of the clamps until **AFTER** you've performed all of the steps up [through page 10](#).



INSTALLING THE NEW MUFFLER DELETE

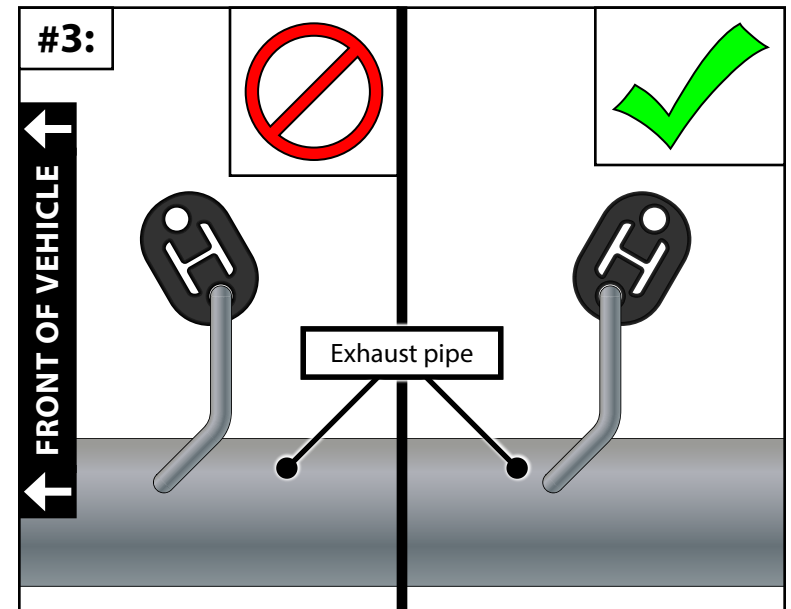
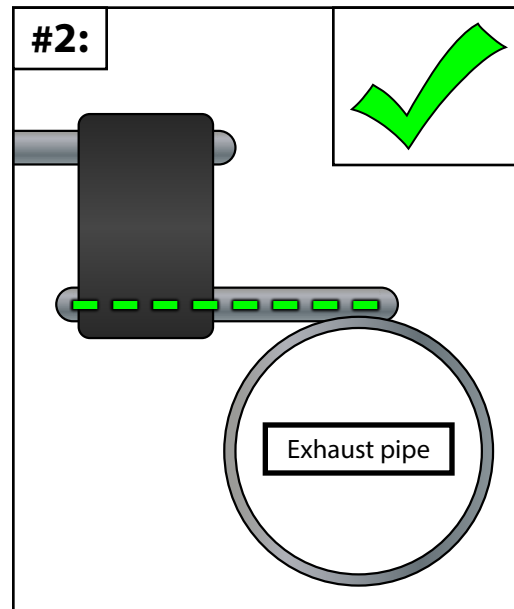
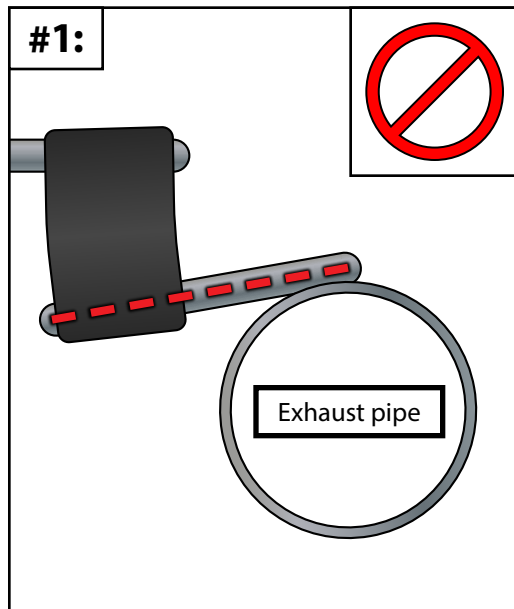
Step 5:

Check the hangers on the exhaust pipes to ensure that they are sitting level side-to-side (**photos #1 & #2 below**).

Finally, we want to ensure that the exhaust hangers are rotated at least slightly toward the front of the vehicle (**photo #3 below**). The exhaust hangers should be inclined toward the front of the vehicle so that lower hole is approximately 10-15mm forward of the upper hole, this will allow the hangers to pivot backwards as the system heats up and expands.



Due to differences in manufacturing, as well as variations from one car to another, you might not be able to get all of your hangers to pitch forward. This is acceptable as long as they are at least close to vertical.

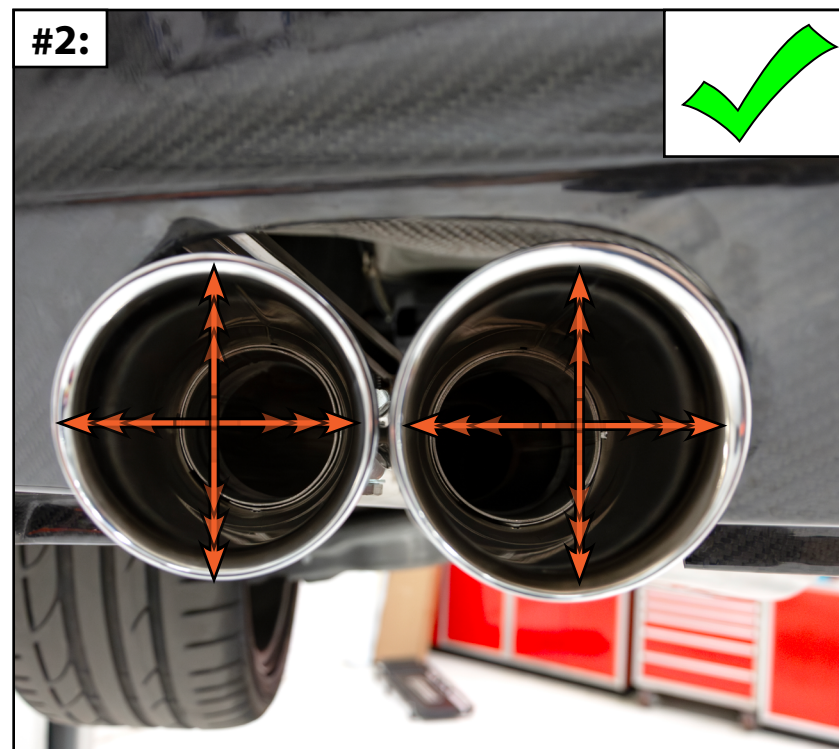


INSTALLING THE NEW MUFFLER DELETE

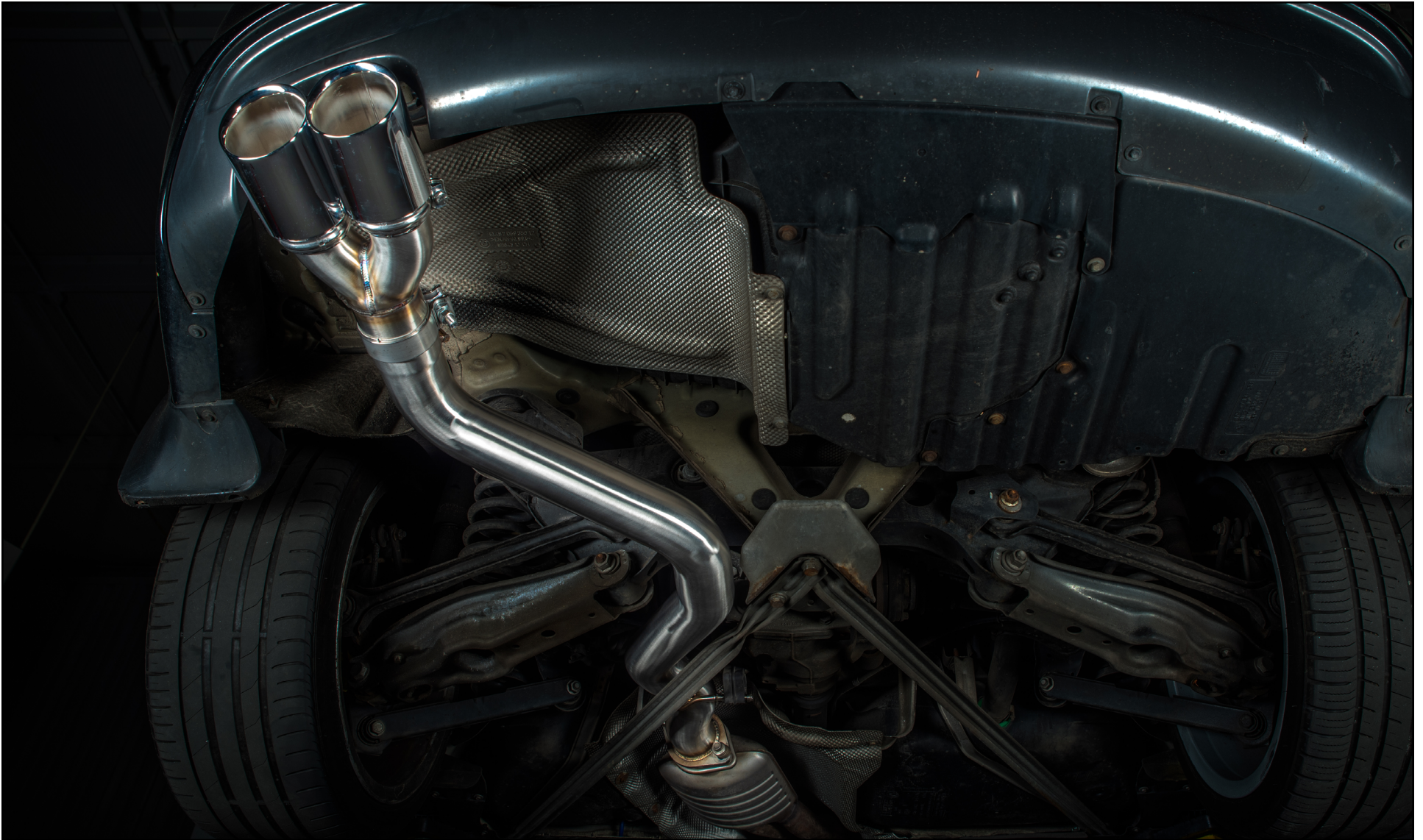
Step 6: 13mm Socket & Ratchet

Inspect the muffler delete section and ensure that it is sitting level side-to-side as much as possible (**photo #1**). Ensure that the exhaust tips are centered in the bumper cut outs (**photo #2**). There should be adequate clearance between the tips and the rear valance. If needed, loosen the clamps and adjust until proper fitment is achieved, then tighten the clamps back down. Wipe any oil, grease, or fingerprints from the exhaust system, then start the engine and check the exhaust system for leaks.

Congratulations, your installation is complete!



Your Muffler Delete installation is complete!



These instructions are provided as a courtesy by ECS Tuning

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