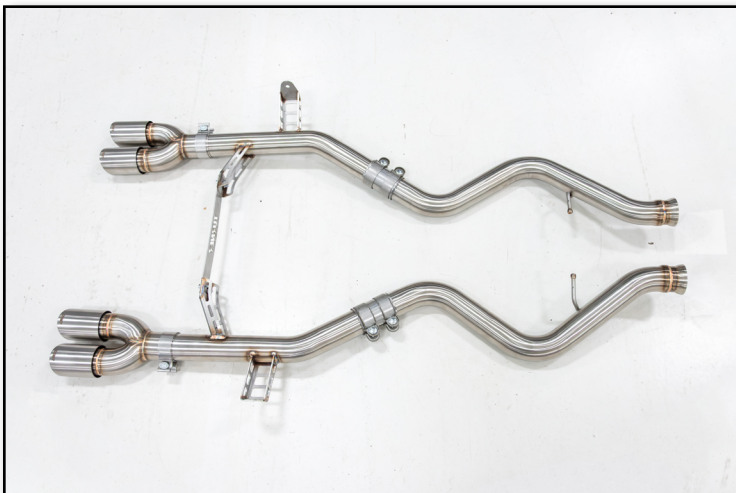




BMW E9x M3 Muffler Delete Kit Installation Instructions

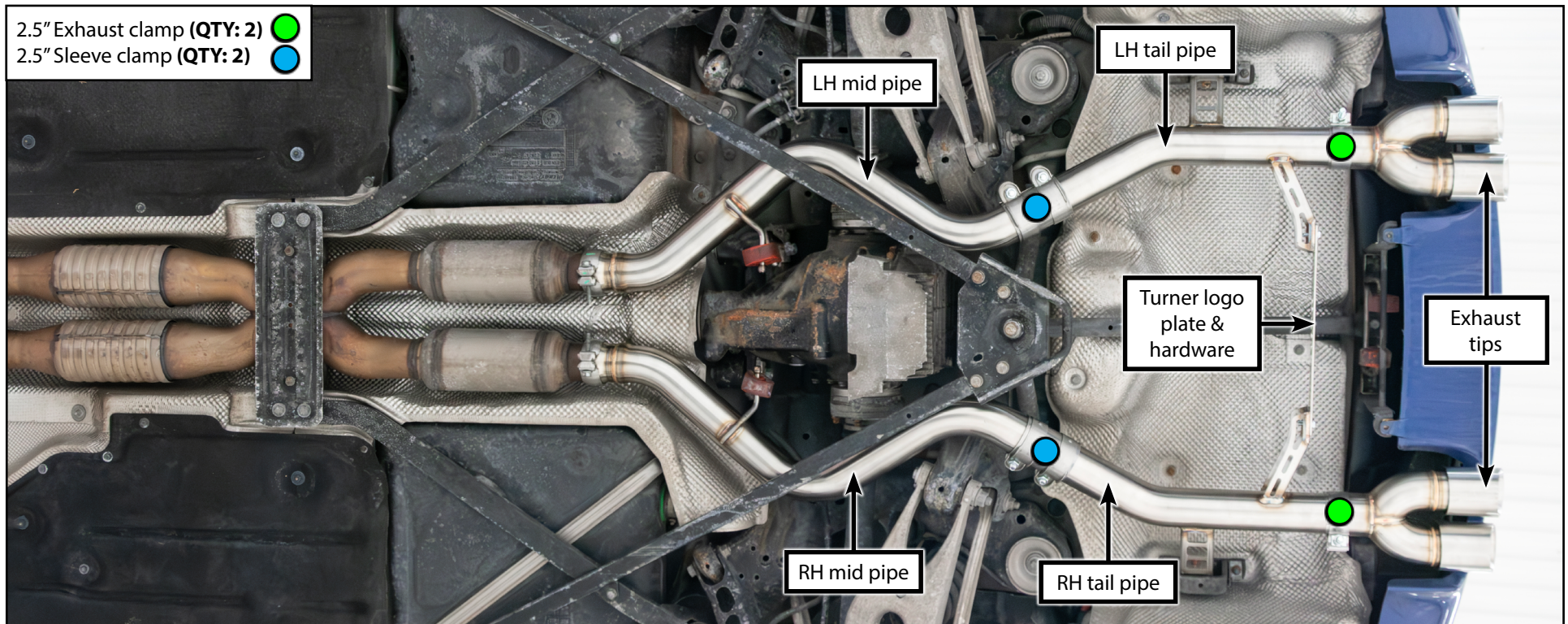


Proper service and repair procedures are vital to the safe, reliable operation of all motor vehicles as well as the personal safety of those performing the repairs. Standard safety procedures and precautions (including use of safety goggles and proper tools and equipment) should be followed at all times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

TABLE OF CONTENTS

Installation and Safety Information	pg.3
Removing the Stock Muffler	pg.4
Installing the New Muffler Delete Kit	pg.7

KIT CONTENTS



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 MUFFLER

Step 1: 16mm Socket & Ratchet

Safely lift and support the vehicle, then loosen the V-band clamps (arrows) and slide them forward onto the resonator pipes.



Step 2: Pole Jack

Support the muffler from below as shown.

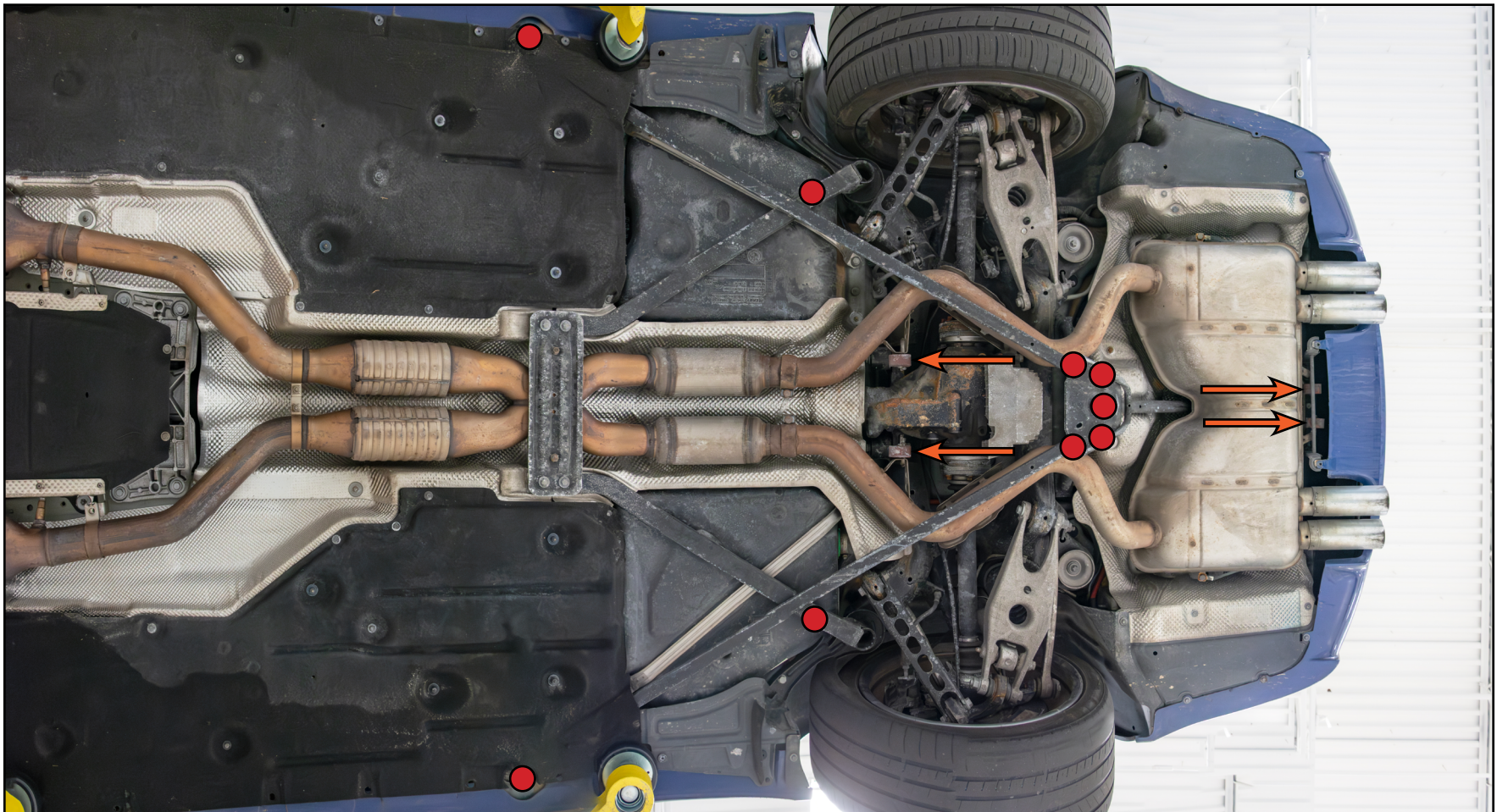


REMOVING THE STOCK MUFFLER

Step 3: Exhaust Hanger Removal Pliers, 13mm, 16mm, 18mm Socket & Ratchet

If equipped, remove the bolts (RED circles) that secure the rear chassis cross brace and remove the brace from the vehicle.

Disconnect the exhaust hangers (arrows) from the stock exhaust system.



REMOVING THE STOCK MUFFLER

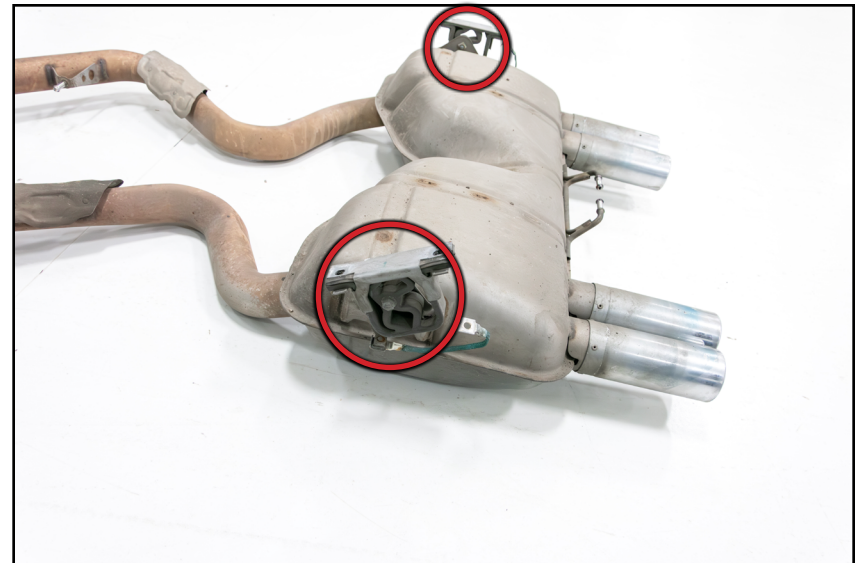
Step 4: 13mm Socket & Ratchet

Remove the nuts (arrows) that secure the LH & RH muffler hangers to the vehicle, then carefully remove the muffler from the vehicle.



Step 5: 13mm Socket & Ratchet

Remove the bolts (circled in **RED**) that secure the exhaust hangers to the muffler and set the hangers aside.



INSTALLING THE NEW MUFFLER DELETE KIT

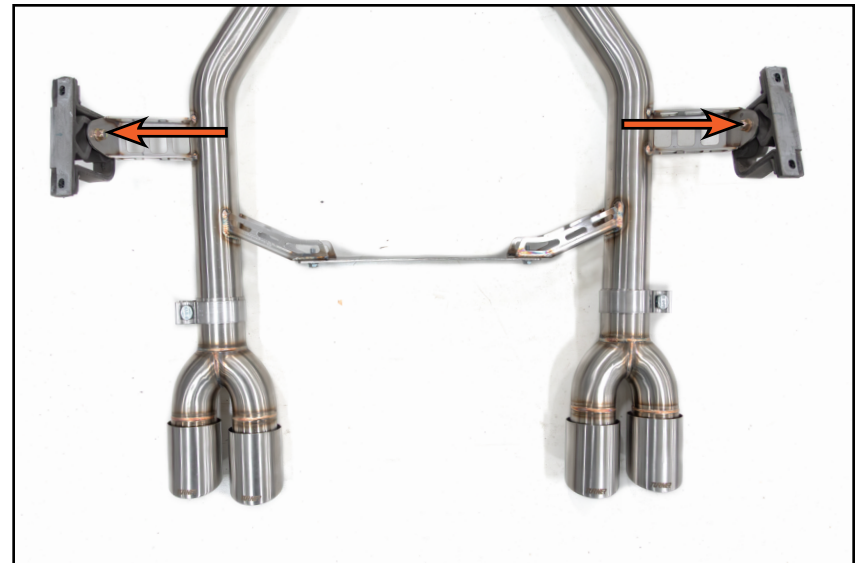
Step 1: Pipe Expander - OR - Ball Pein Hammer

Before we begin it's a good idea to lay out your new muffler delete kit on the floor. Inspect all of the pipes for any signs of damage during shipping. Test fit the pipes together at each connection 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.



Step 2: 13mm Wrench, 13mm Socket & Ratchet

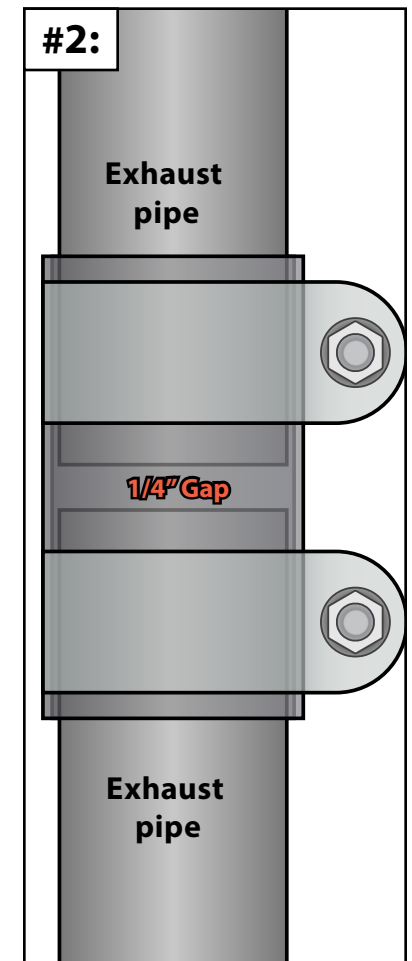
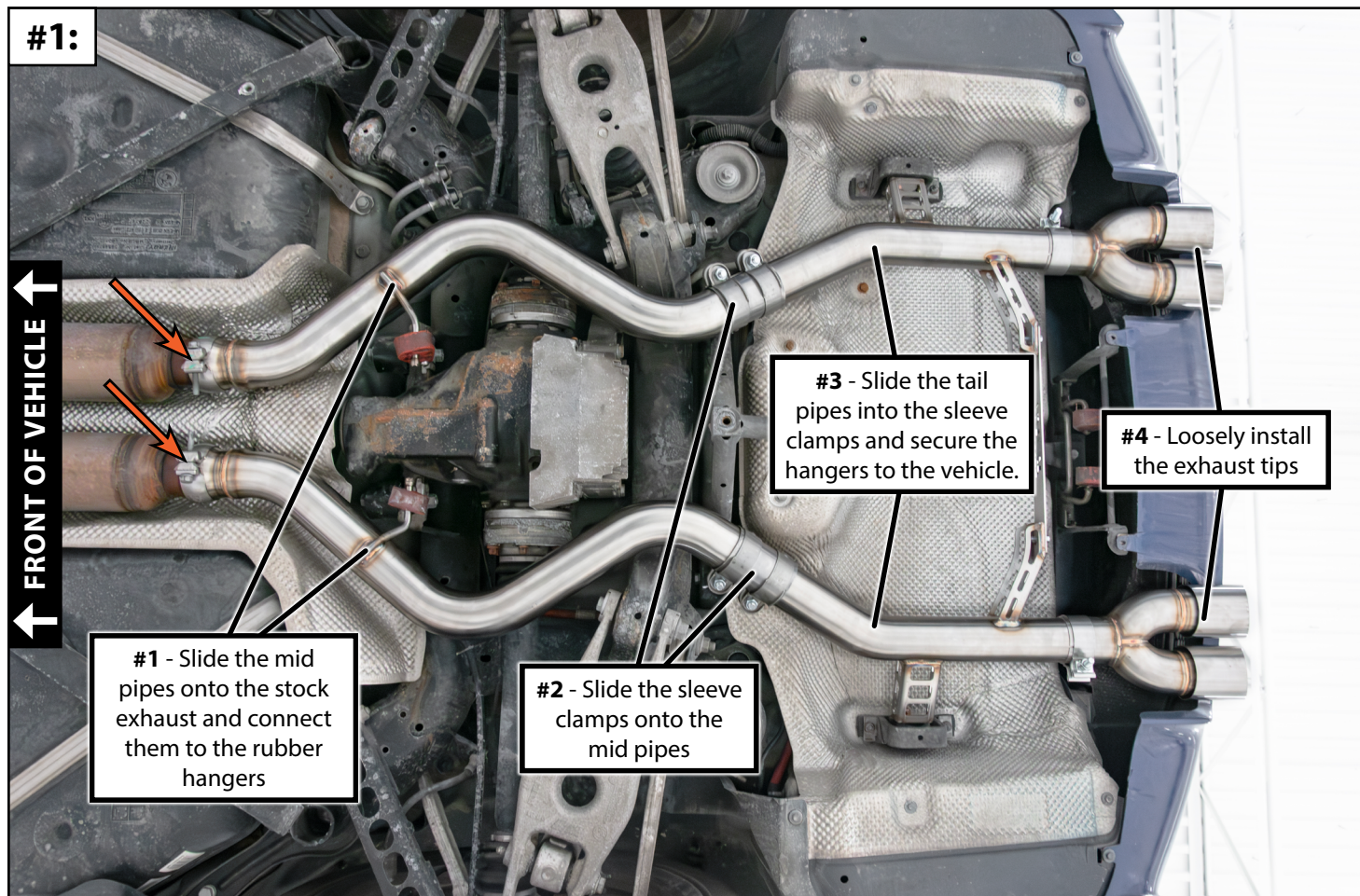
Transfer the muffler hangers to the new tail pipes and secure them using the provided M8 hardware (arrows).



INSTALLING THE NEW MUFFLER DELETE KIT

Step 3: 15mm, 16mm Socket & Ratchet

Loosely install the muffler delete pipes as outlined in **Photo #1** below. Slide the V-band clamps (arrows) between the mid pipes and resonator pipes and tighten them until lightly snug. Center the sleeve clamps between the new pipes (**Photo #2**), then tighten them until lightly snug, but leave everything loose for now while we work to fine-tune the exhaust system for proper fitment.



INSTALLING THE NEW MUFFLER DELETE KIT

Step 4:

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

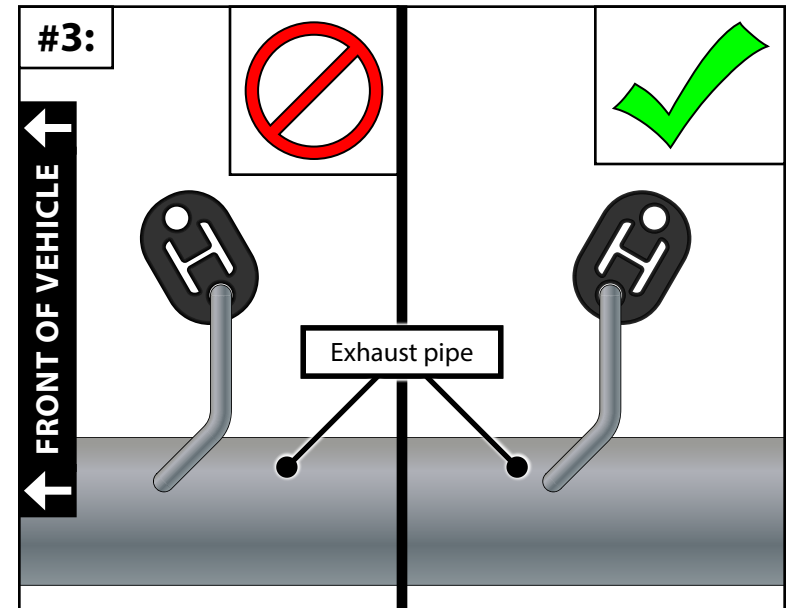
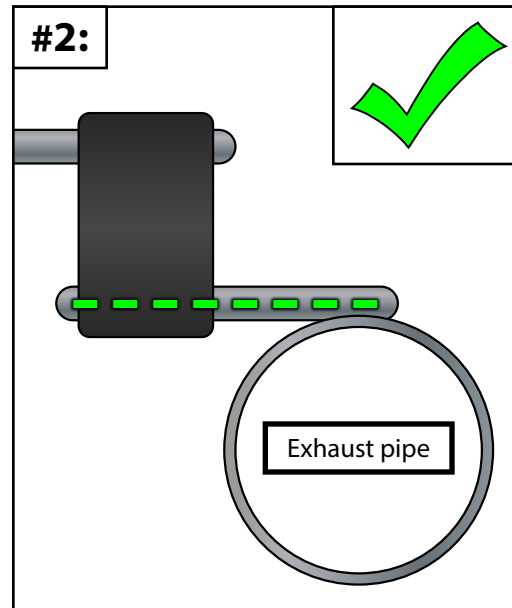
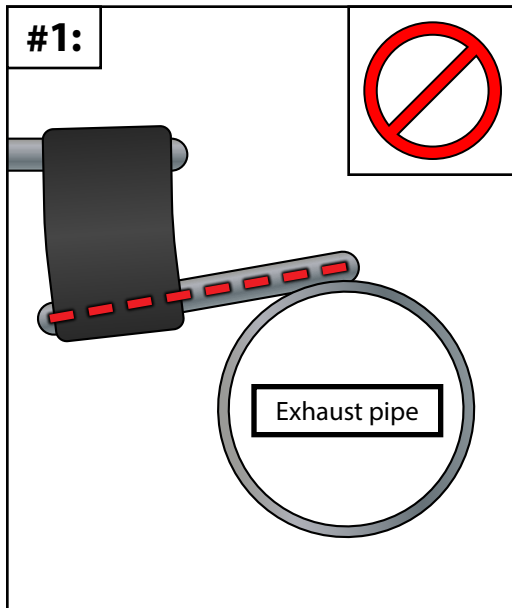
Finally, we want to ensure that the exhaust hangers are rotated at least slightly toward the front of the vehicle (**Photo #3 below**). The exhaust hangers should be inclined toward the front of the vehicle so that lower hole is approximately 10-15mm forward of the upper hole, this will allow the hangers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



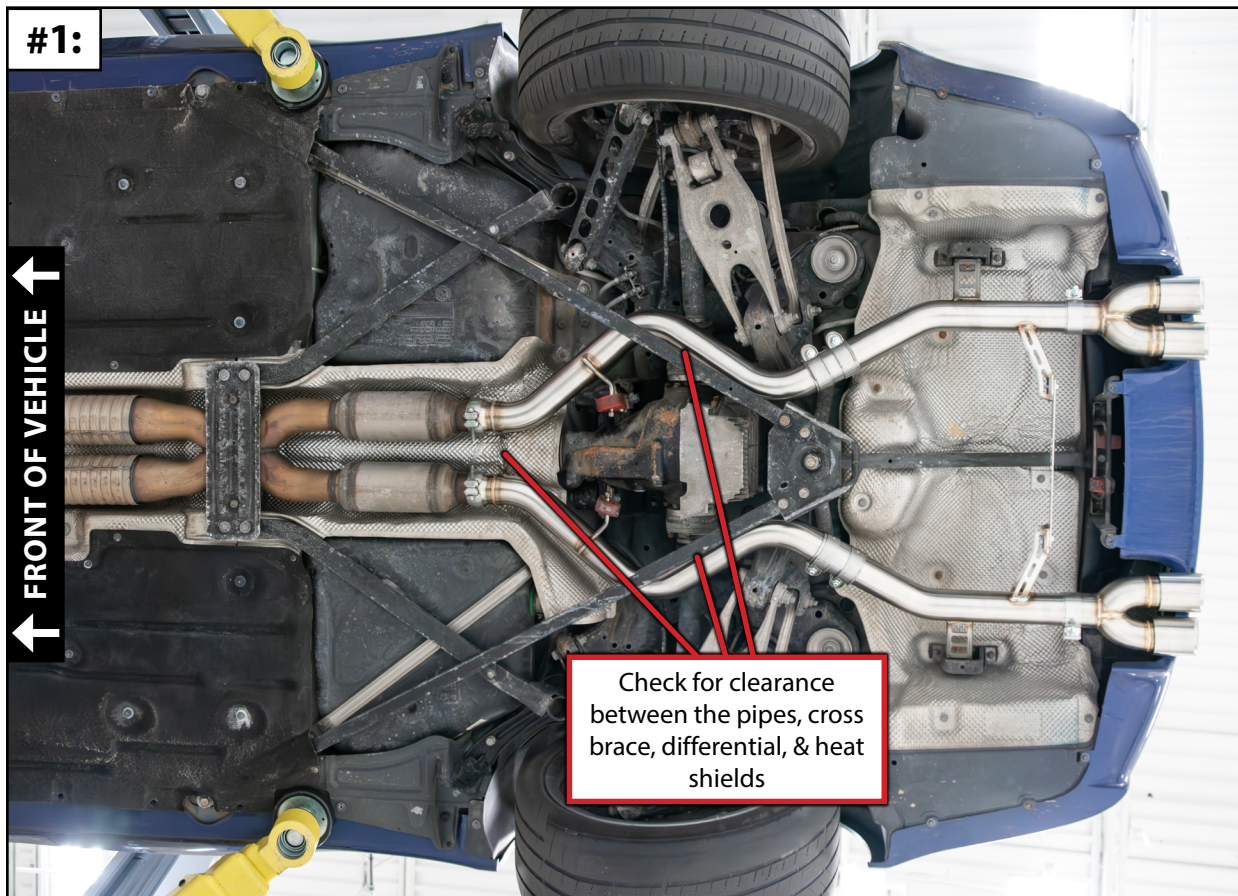
CAUTION: You can tighten the exhaust clamps until they are “snug”, but **DO NOT USE AN IMPACT WRENCH** and do not fully tighten them yet!



INSTALLING THE NEW MUFFLER DELETE KIT

Step 5: 10mm Wrench, 10mm, 15mm, 16mm, 18mm Sockets & Ratchet

Adjust the system to ensure clearance for all surrounding components (**Photo #1**), then push upward on the exhaust system while fully tightening the sleeve and V-band clamps. If equipped, reinstall the chassis cross brace and double-check to ensure clearance between the pipes and the brace. Install the logo plate and ensure it is level from side-to-side (**Photo #2**). Center and level the exhaust tips inside the bumper cut out (**Photo #3**), then tighten the clamps until fully snug. Wipe any oil, grease, or fingerprints from the exhaust system. Recheck all fasteners after the vehicle has been driven 500 miles.



Congratulations, your muffler delete kit installation is complete!

Your Muffler Delete Kit installation is complete!



These instructions are provided as a courtesy by Turner Motorsport

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.

Although this material has been prepared with the intent to provide reliable information, no warranty (express or implied) is made as to its accuracy or completeness. Neither is any liability assumed for loss or damage resulting from reliance on this material. SPECIFICALLY, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER WARRANTY IS MADE OR TO BE IMPLIED WITH RESPECT TO THIS MATERIAL. In no event will Turner Motorsport, Incorporated or its affiliates be liable for any damages, direct or indirect, consequential or compensatory, arising out of the use of this material.