



## BMW E36 6-Cylinder Non-Valved Exhaust System Installation Instructions

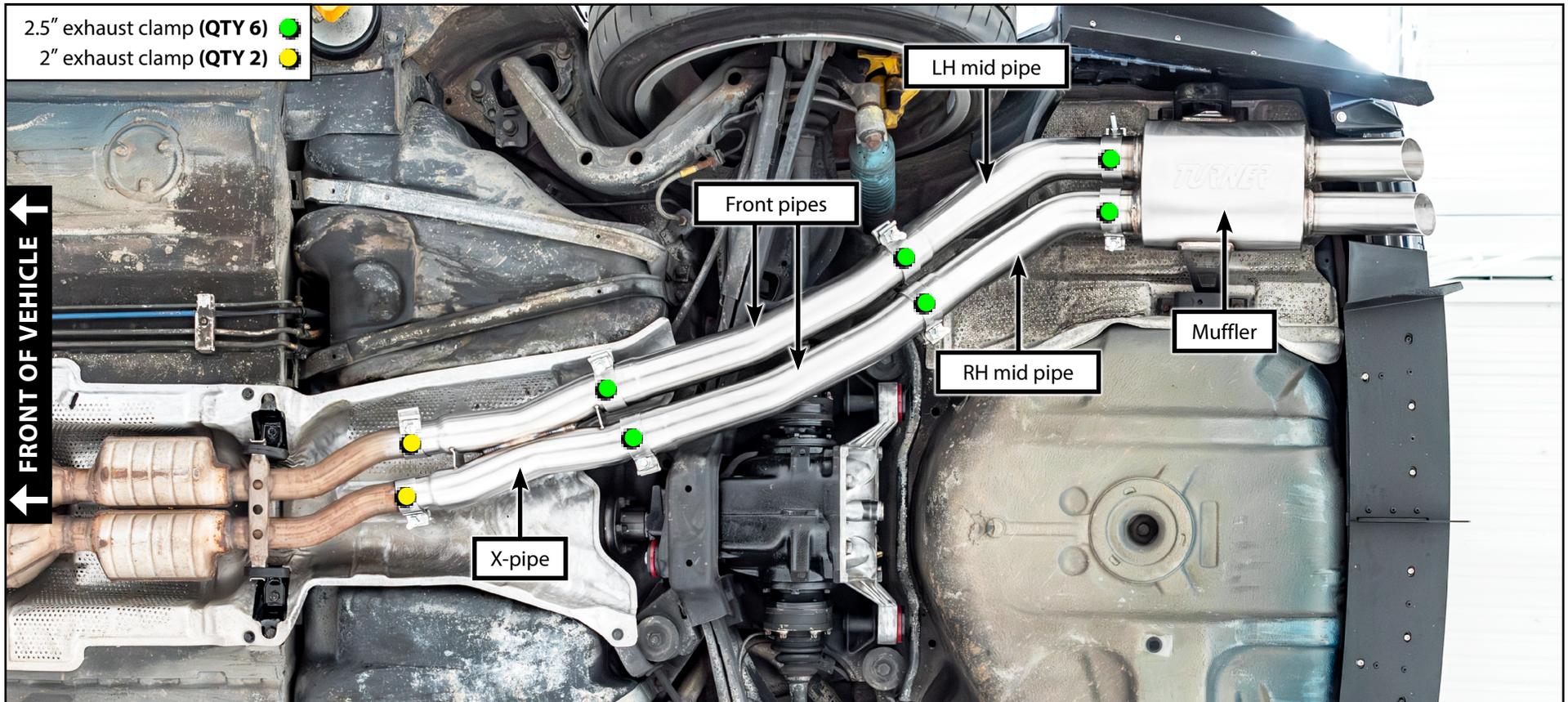


Proper service and repair procedures are vital to the safe, reliable operation of all motor vehicles as well as the personal safety of those performing the repairs. Standard safety procedures and precautions (including use of safety goggles and proper tools and equipment) should be followed at all times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

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## CAT-BACK EXHAUST SYSTEM 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.

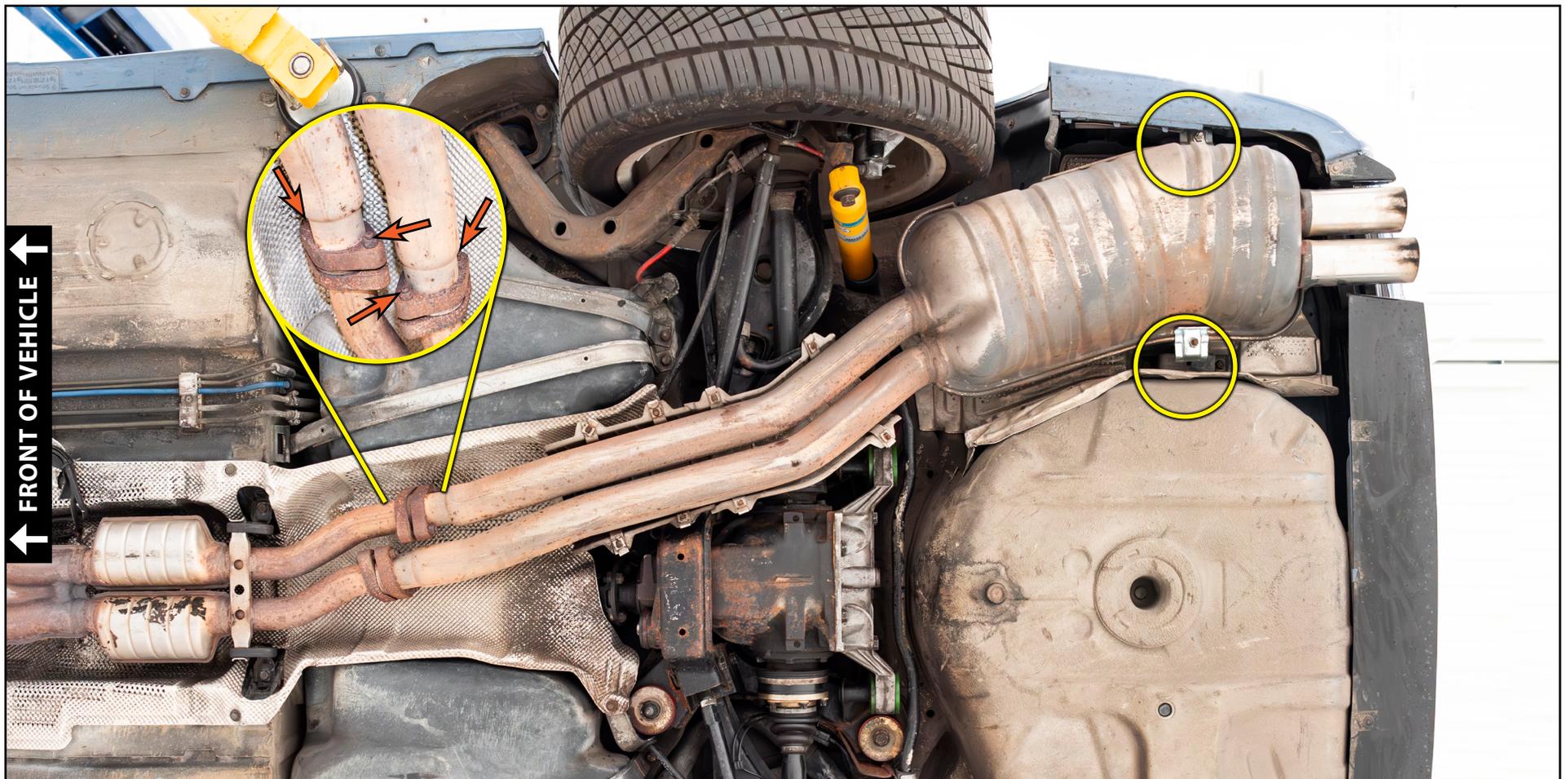


**NEVER** get underneath a vehicle that is supported only by a jack, and **ALWAYS** make sure that the vehicle is securely supported on jack stands.

## REMOVING THE STOCK EXHAUST SYSTEM

Step 1: 13mm Socket & Ratchet

Support the exhaust from below, then loosen the two nuts (arrows) on each exhaust flange. Unbolt the muffler hangers (circled in **YELLOW**) from the body, then carefully remove the exhaust system from the vehicle.



## REMOVING THE STOCK EXHAUST SYSTEM

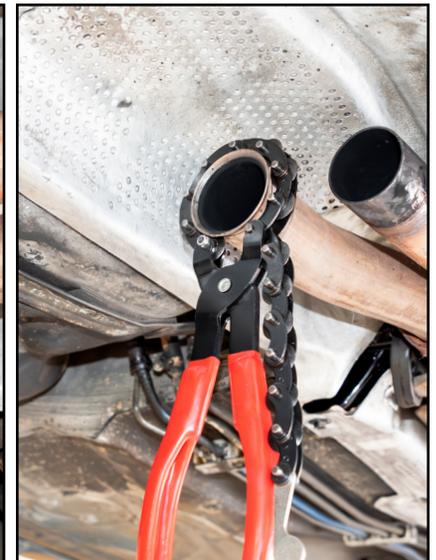
### Step 2:

Remove the exhaust gasket ring (arrow) from the end of the RH catalytic converter pipe.



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

Using a reciprocating saw or exhaust pipe cutter tool (available [HERE](#)) cut just upstream of the flare on the LH catalytic converter pipe (**RED** line) until you cut all the way through the pipe.



## REMOVING THE STOCK EXHAUST SYSTEM

### Step 4: Scotch-Brite™ Pad, Metal File -OR- Die Grinder

Use a metal file or die grinder to remove any burrs from the exhaust pipe that we cut, then clean the ends of the pipes with a Scotch-Brite™ pad to ensure proper fit and seal once the new pipe is installed.



### Step 5:

Slide the exhaust pipe flanges (arrows) off the ends of the catalytic converter pipes.



## INSTALLING THE NEW EXHAUST SYSTEM

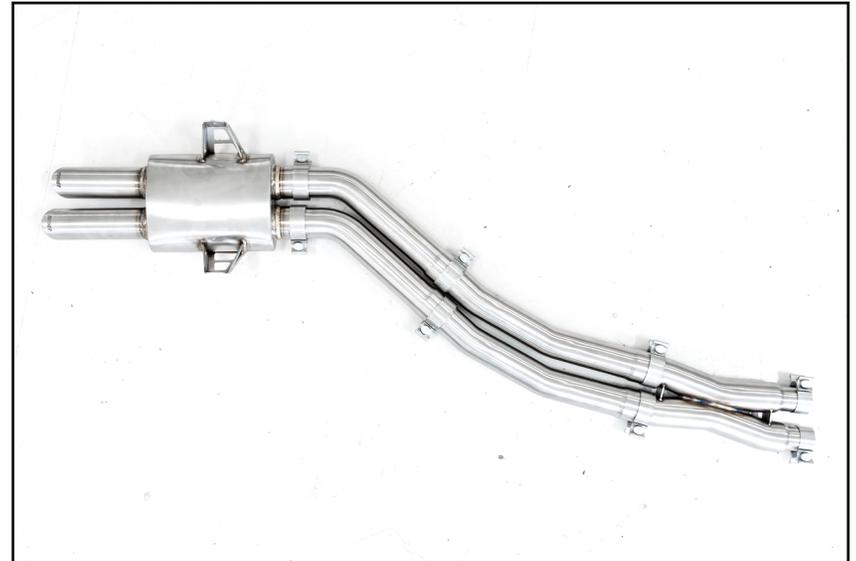
### Step 1: Pipe Expander, Ball Pein Hammer

Before we begin, it's a good idea to unpack your new exhaust system and 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.

Please note that during this installation, you will be installing the exhaust from back-to-front **WITHOUT** tightening any of the clamps. Once the system is installed, we will then show you how to position the system properly and you will tighten the clamps **AFTER** that is complete. Proceed to the next page once all of the slip joints slide together easily.

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

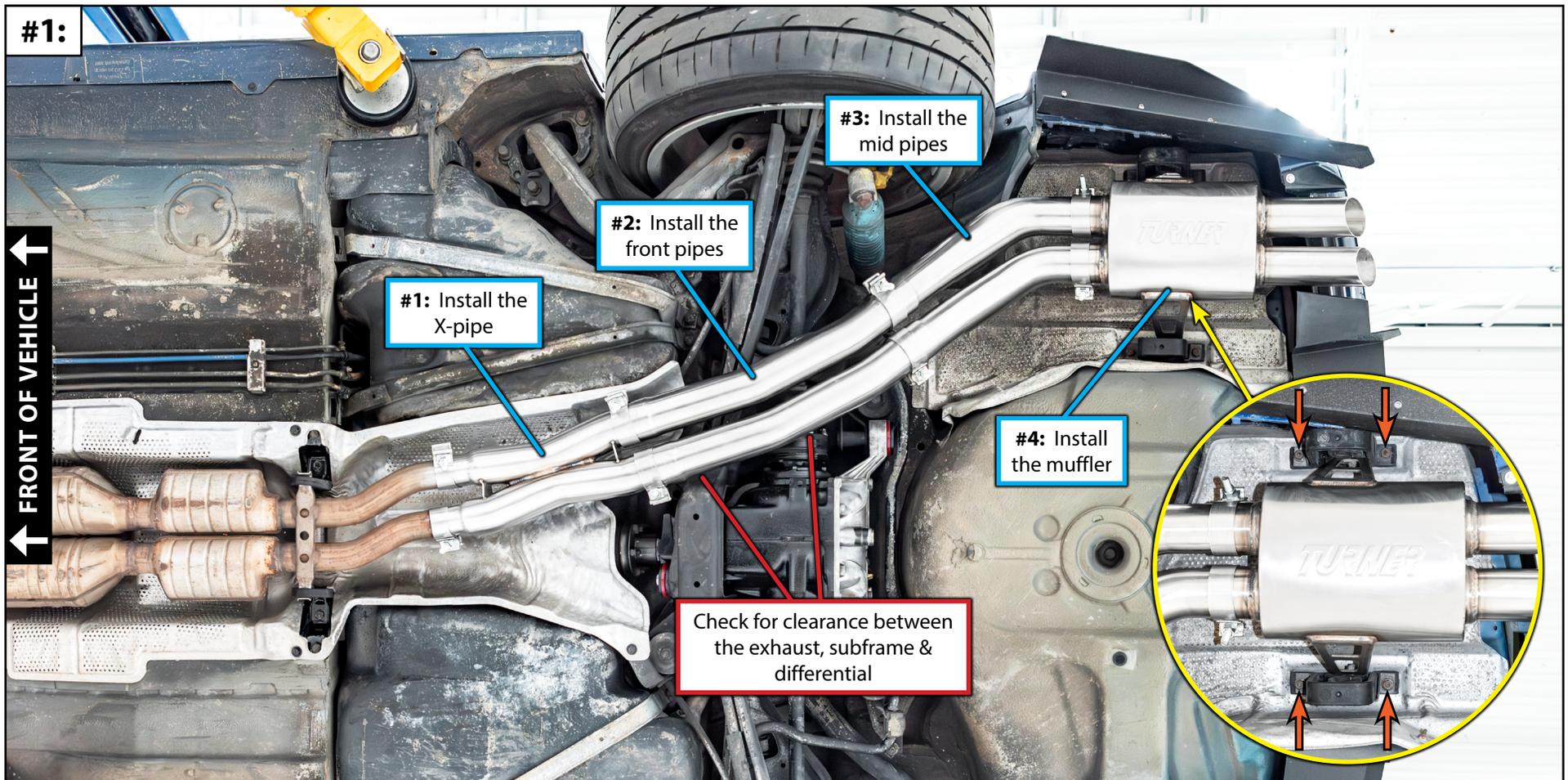
Transfer the hangers (circled in **YELLOW**) from the stock muffler over to the new muffler as shown and secure them in place with the provided hardware.



## INSTALLING THE NEW EXHAUST SYSTEM

Step 3: 13mm, 15mm Socket & Ratchet

Install the exhaust system in the order shown in **Photo #1** below. Replace the nuts (arrows in inset photo) to secure the muffler hangers to the vehicle, then it's time to adjust the exhaust system for proper fitment. Closely inspect the exhaust system from front to back to check for clearance between the pipes and nearby chassis components, then adjust the muffler until it is level side-to-side before fully tightening the clamps.



## INSTALLING THE NEW EXHAUST SYSTEM

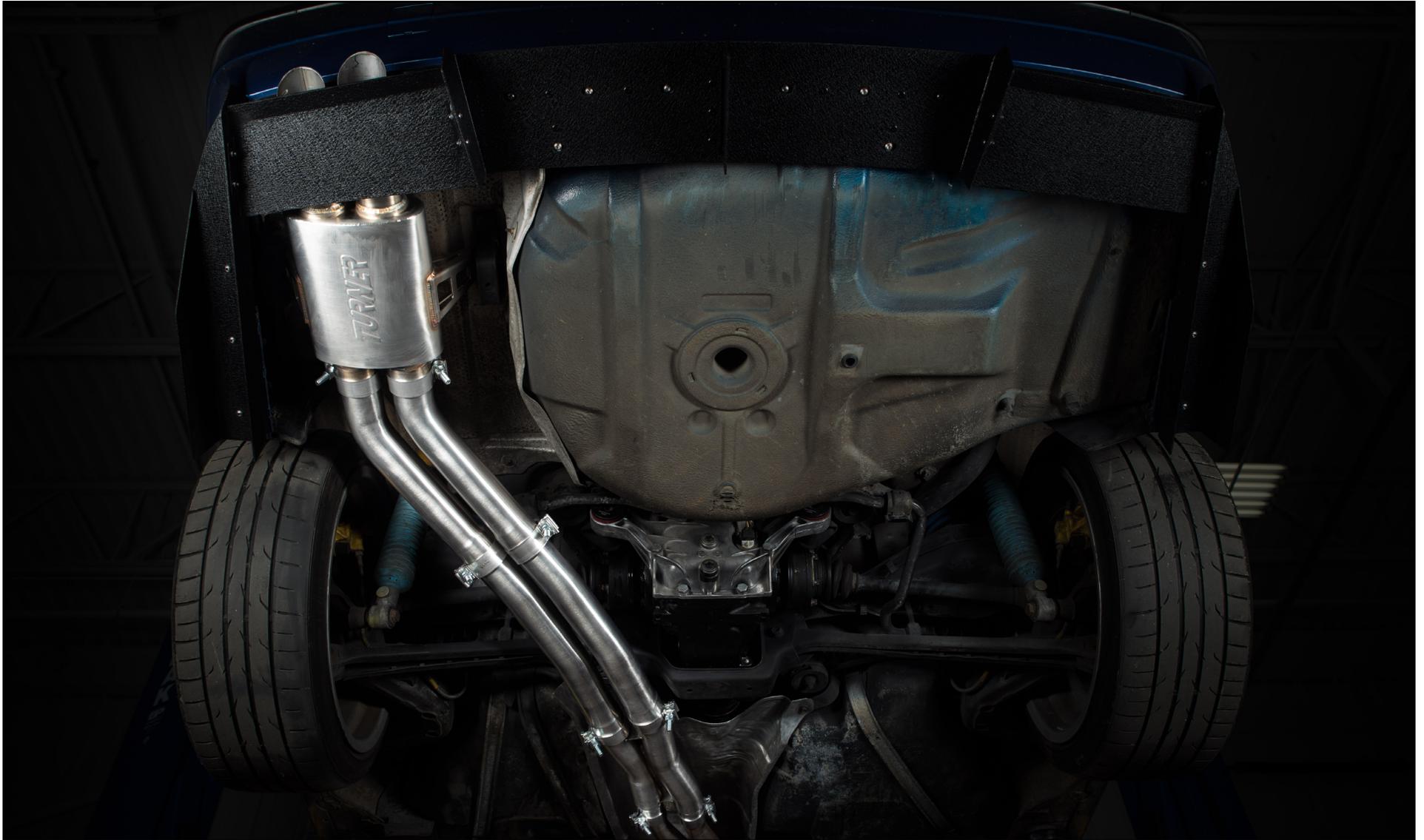
### Step 4: 15mm Socket & Ratchet

Inspect the muffler and ensure that it is sitting level front-to-back 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 Exhaust System installation is complete!



### **These instructions are provided as a courtesy by Turner Motorsport**

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