



BMW E9x N52 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.

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.

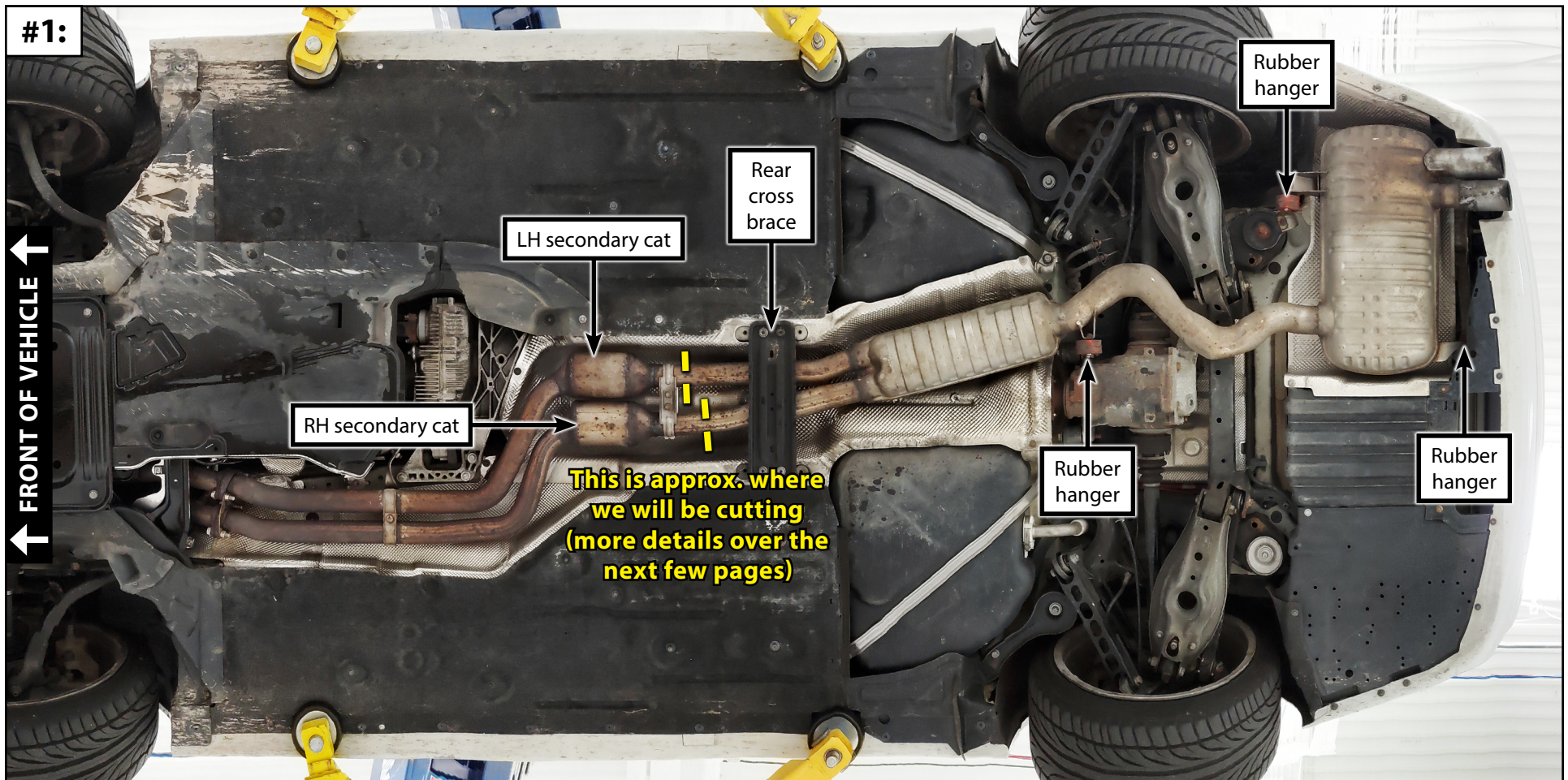


NEVER get underneath a vehicle that is supported only by a jack, and **ALWAYS** make sure that the vehicle is securely supported on jack stands.

REMOVING THE ORIGINAL EXHAUST

Step 1: 13mm Socket, T50 Torx, Ratchet & Exhaust Hanger Pliers

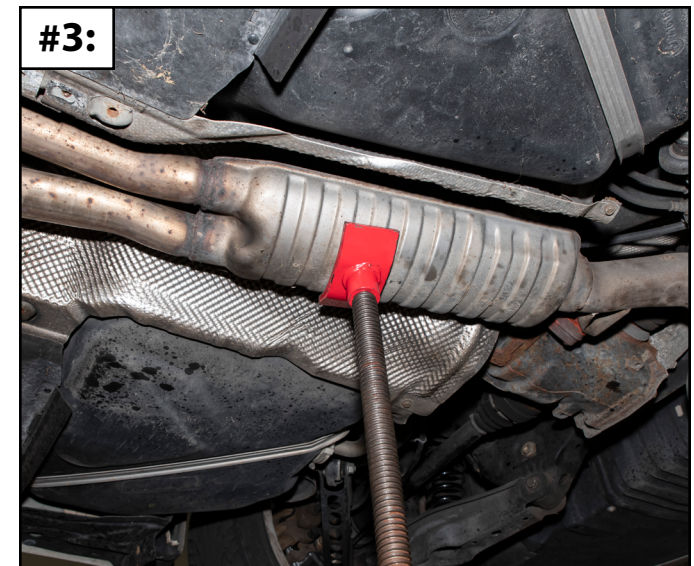
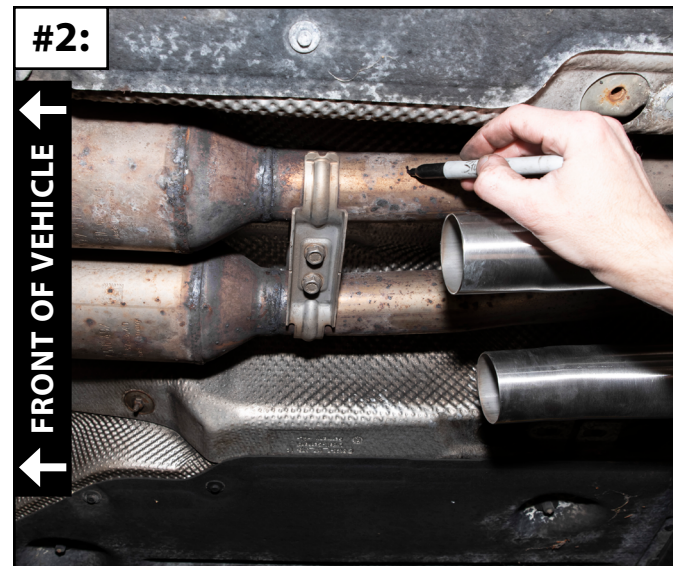
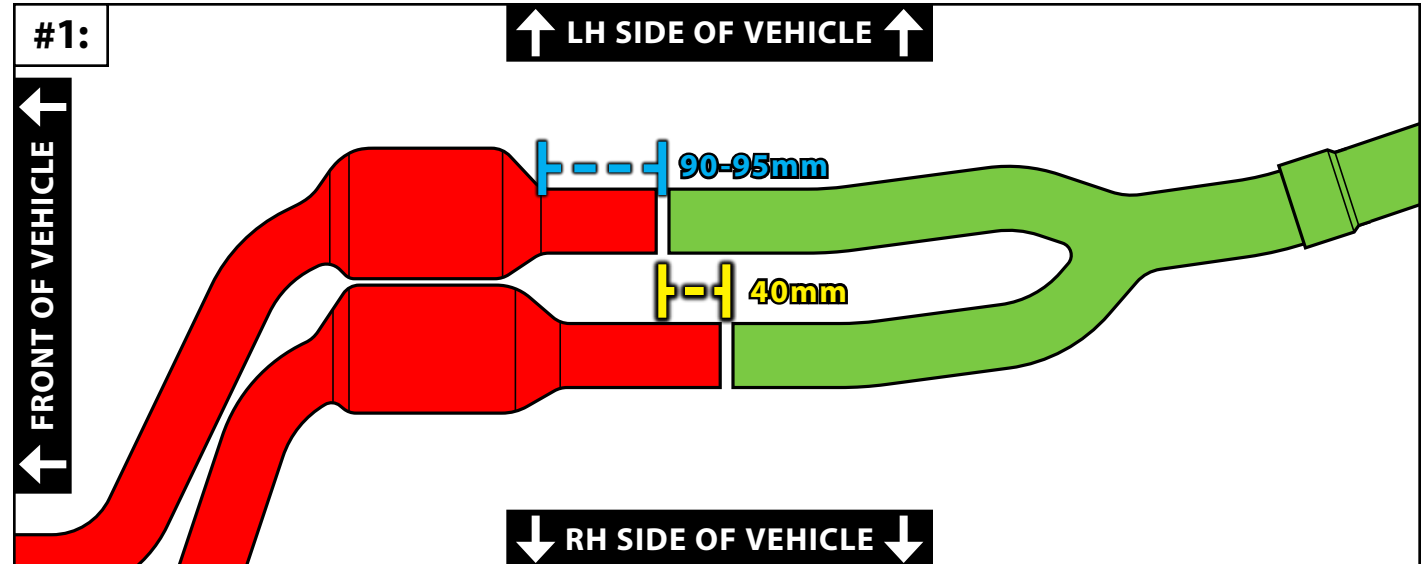
Safely lift and support the vehicle. Familiarize yourself with the component locations outlined in **Photo #1** below.



REMOVING THE ORIGINAL EXHAUST

Step 2:

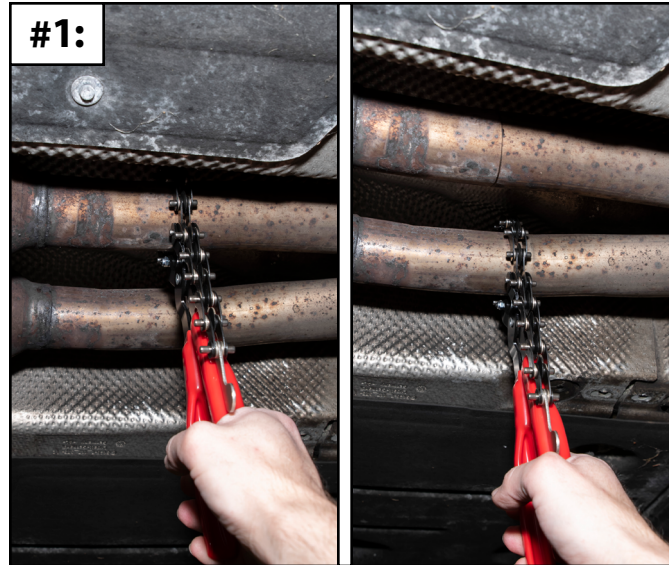
- #1 Measure 90-95mm back from the weld on the LH secondary cat (BLUE line in **Photo #1**). This is where we will be making the first cut. The RH pipe will need to be cut 40mm rearward from the cut we made on the LH pipe (YELLOW line in **Photo #1**).
- #2 Mark the stock pipes where you need to cut (**Photo #2**). Masking tape can be used as a guide if needed. Keep in mind that there should be a small gap between the two pipes to allow for heat expansion (details on [Page 7](#)).
- #3 Safely support the exhaust system from below (**Photo #3**).



REMOVING THE ORIGINAL EXHAUST

Step 3:

- #1 Cut along the lines we just made on the previous page, being sure to cut as straight as possible all the way through the pipes (**Photo #1**).
- #2 Disconnect the rubber hangers from the exhaust system (**Photo #2**).
- #3 Remove the exhaust system from the vehicle (**Photo #3**).



INSTALLING THE NEW EXHAUST SYSTEM

Step 1: Pipe Expander, Ball Pein Hammer & File

Before we begin it's a good idea to lay out your new exhaust system on the floor (**Photo #1**). 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.

Please note that during this installation, you will be installing the new pipes from front to back **WITHOUT** tightening any of the clamps. Then we'll show you how to adjust the fitment and you will tighten the clamps **AFTER** that is complete.

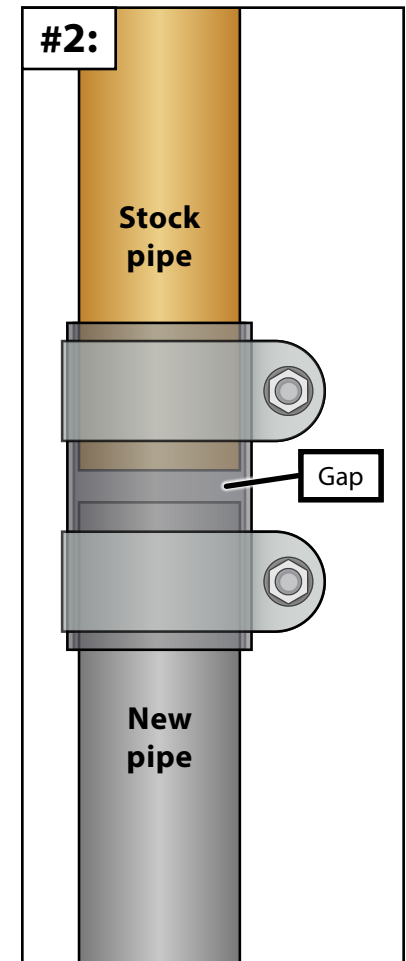
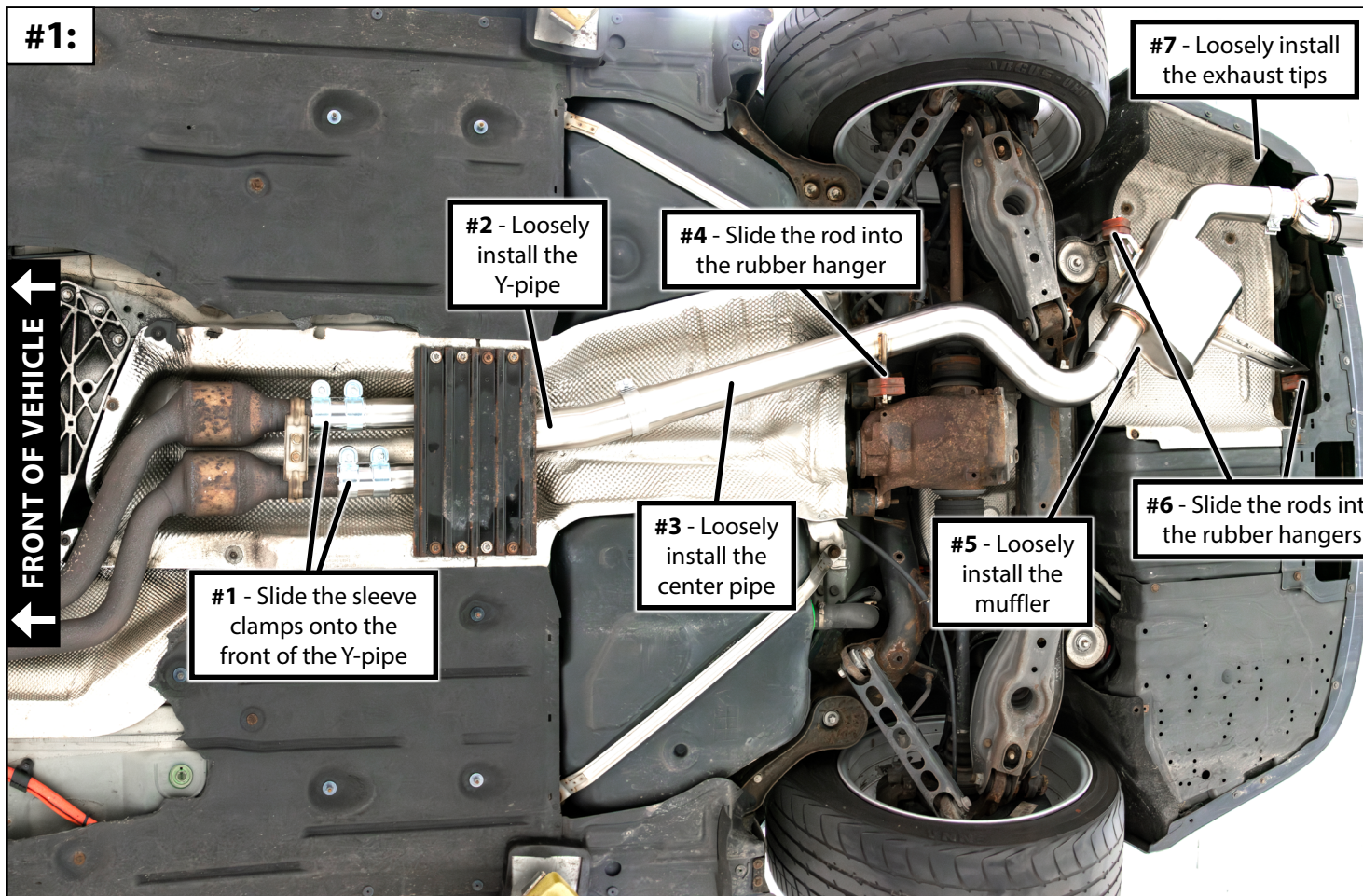
Remove any burrs from the exhaust pipes (**Photo #2**), this will ensure a proper fit and seal once the new exhaust system is installed.



INSTALLING THE NEW EXHAUST SYSTEM

Step 2: 15mm Socket & Ratchet

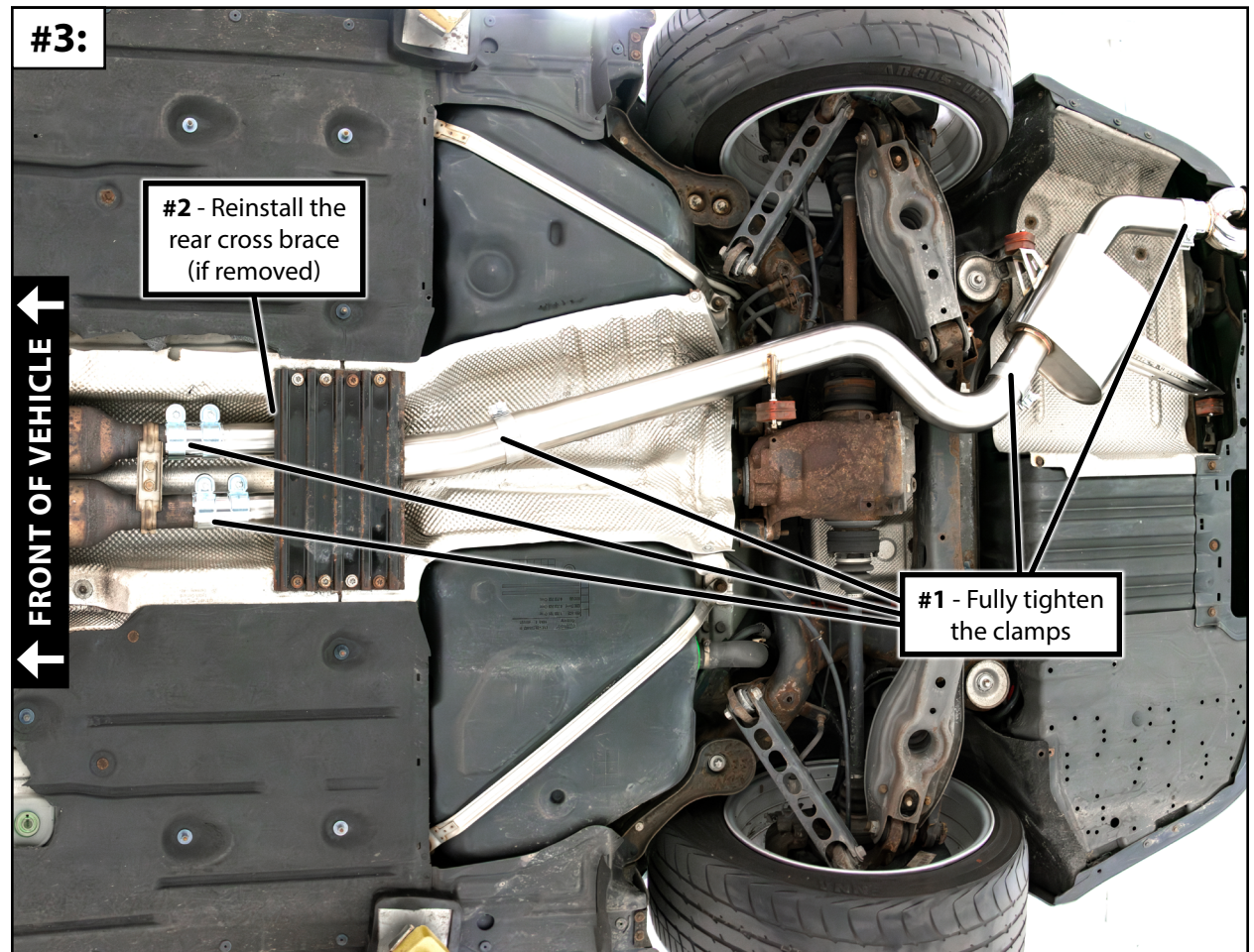
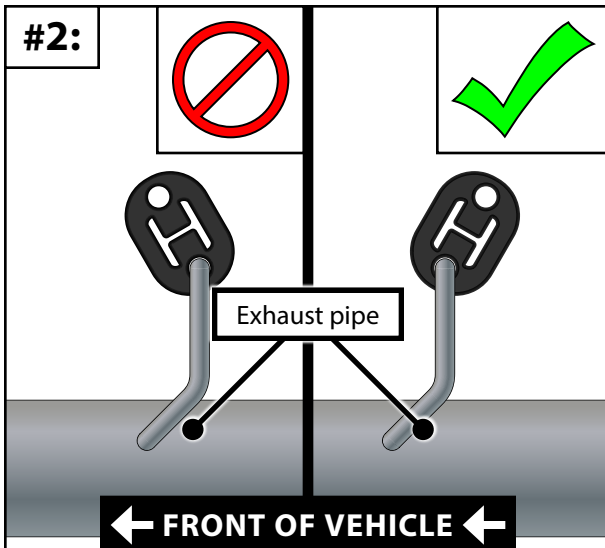
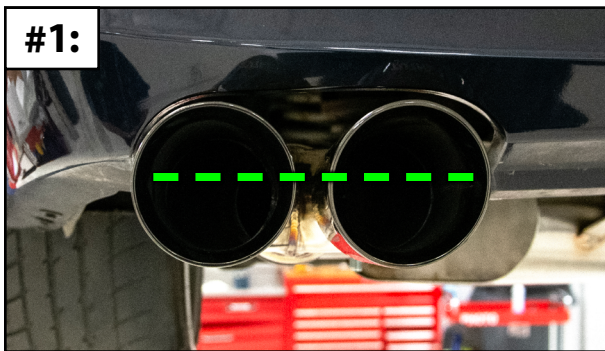
Loosely install the new exhaust system as outlined in **Photo #1** below. Center the sleeve clamps over the gap between the pipes (**Photo #2**), then tighten them until they make contact, but leave everything loose for now while we work to fine-tune the exhaust system for proper fitment.



INSTALLING THE NEW EXHAUST SYSTEM

Step 3: 15mm Socket & Ratchet

Center and level the muffler and exhaust tips inside the bumper cut out (**Photo #1**). Ensure that the exhaust hangers are rotated at least slightly toward the front of the vehicle (**Photo #2**). Once the system is adjusted sufficiently, push upward on the exhaust system while fully tightening each of the clamps (**Photo #3**). Check for clearance around all pipes. Wipe any oil, grease, or fingerprints from the exhaust system. Recheck all fasteners after the vehicle has been driven 500 miles.



Congratulations, your exhaust system installation is complete!

Your Exhaust System installation is complete!



These instructions are provided as a courtesy by Turner Motorsport

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