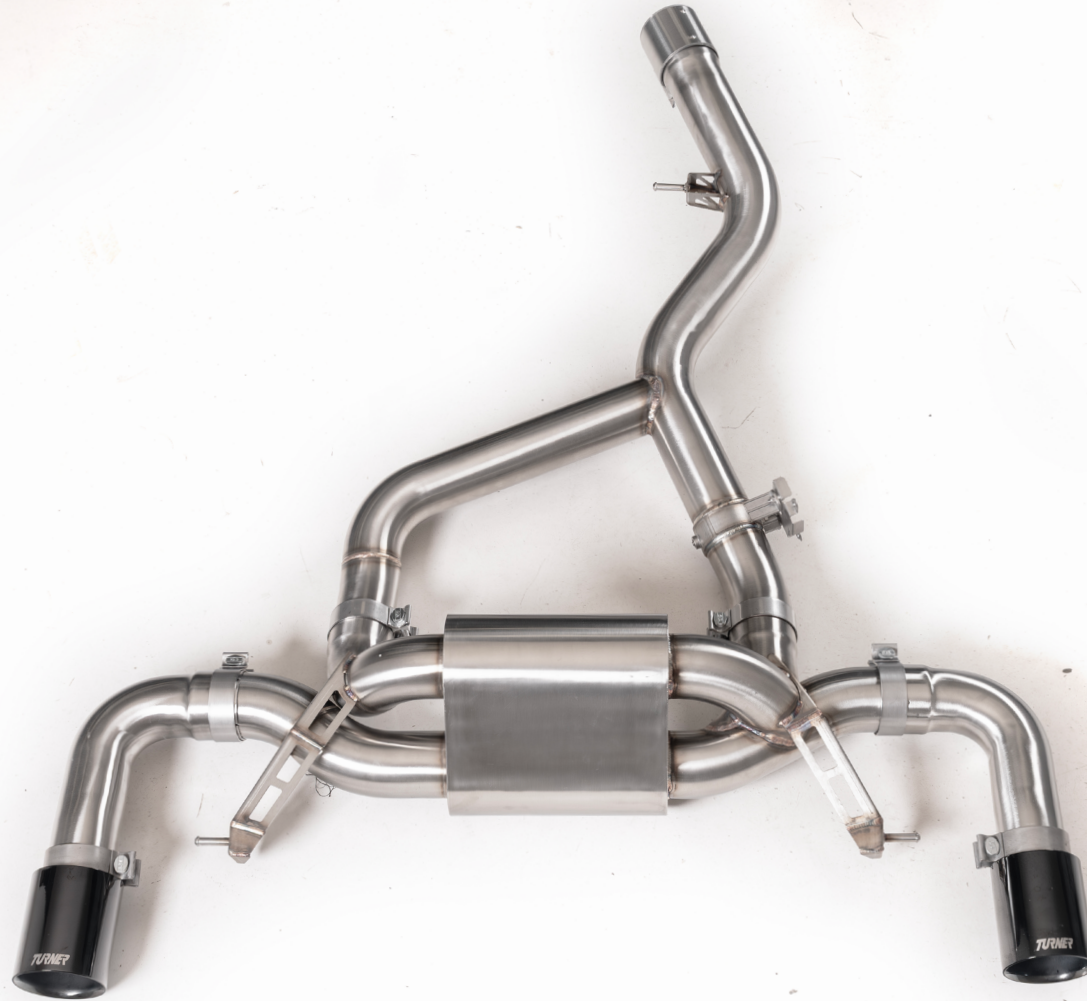




BMW G2x 330i/440i Axle-Back Exhaust System Installation Instructions

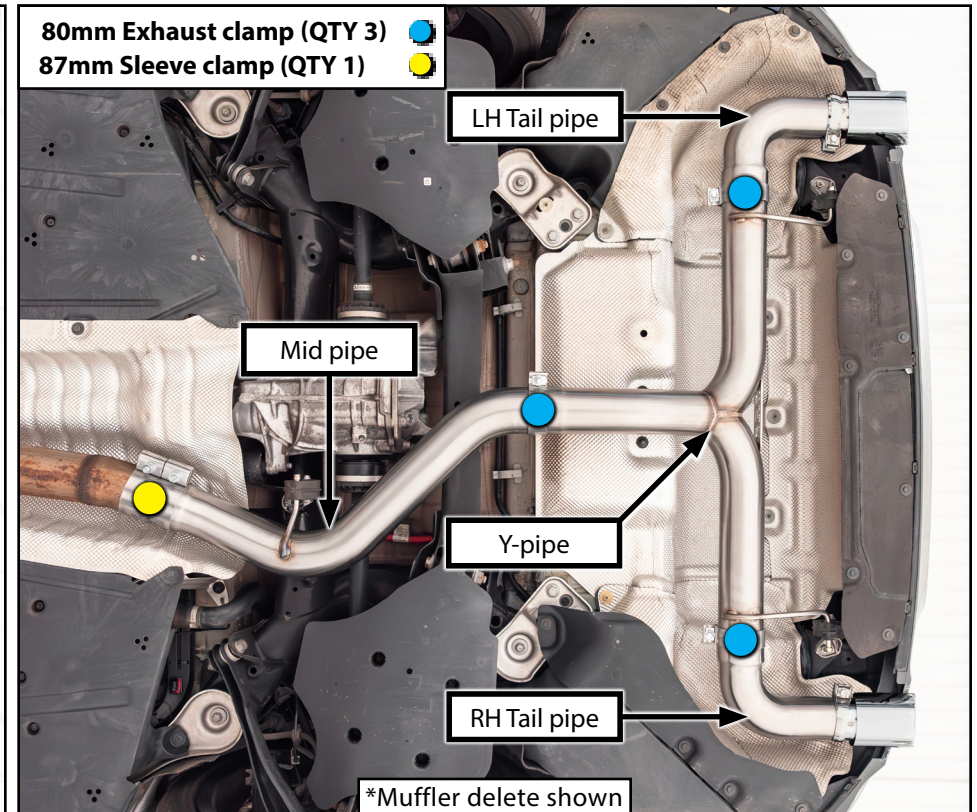
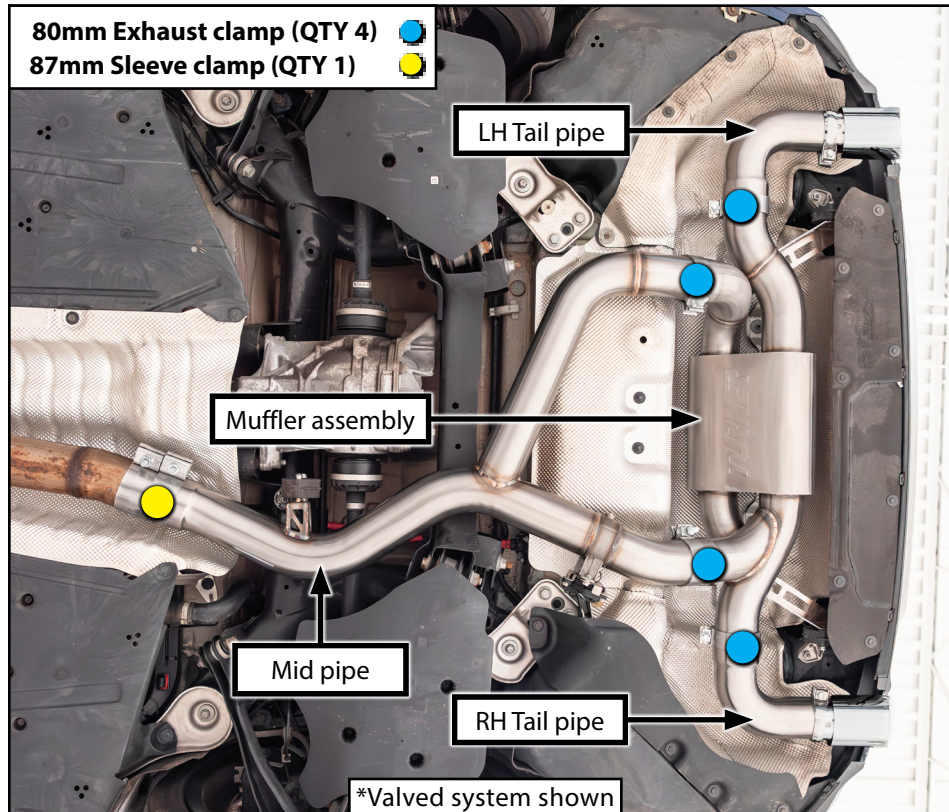


Proper service and repair procedures are vital to the safe, reliable operation of all motor vehicles as well as the personal safety of those performing the repairs. Standard safety procedures and precautions (including use of safety goggles and proper tools and equipment) should be followed at all times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

TABLE OF CONTENTS

Installation and Safety Information	pg.3
Removing the Stock Exhaust System	pg.4
Installing the New Exhaust System	pg.8

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.

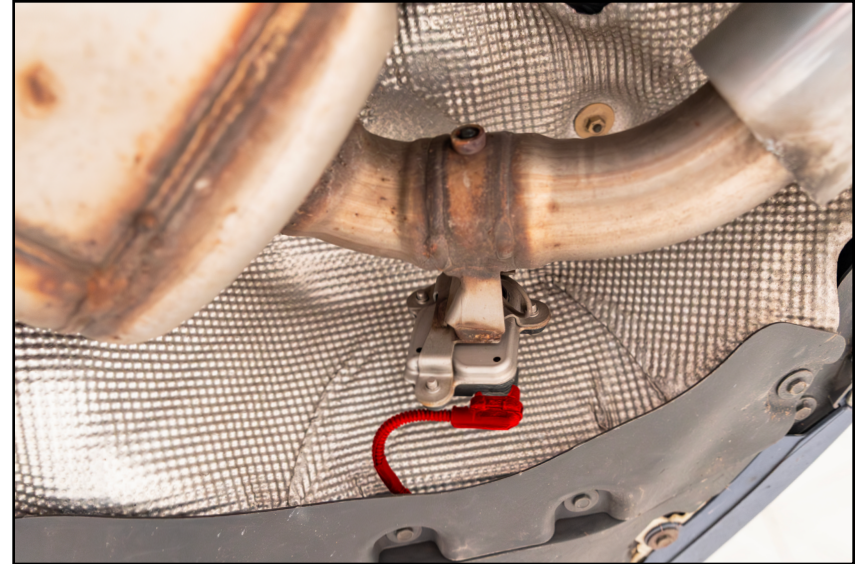


NEVER get underneath a vehicle that is supported only by a jack, and **ALWAYS** make sure that the vehicle is securely supported on jack stands.

REMOVING THE STOCK EXHAUST SYSTEM

Step 1:

Disconnect the connector (highlighted in **RED**) from the exhaust valve controller.



Step 2: Marker -OR- Masking Tape

Locate the faint OE dimple (arrow) on the exhaust pipe and make a mark all the way around the pipe at this point.



REMOVING THE STOCK EXHAUST SYSTEM

Step 3: Exhaust Pipe Cutter Tool, Metal File



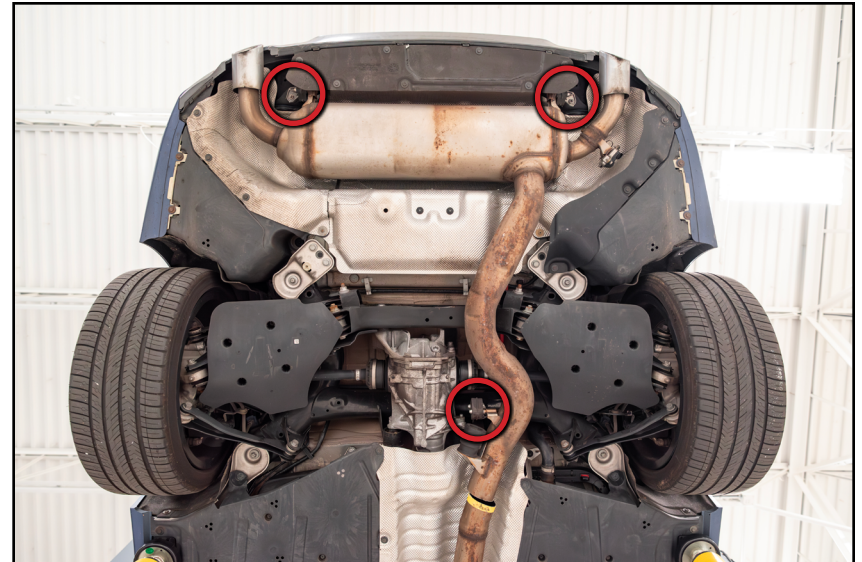
It is ***absolutely imperative*** that you take your time here and double or triple check your mark before you cut anything. There is no turning back once the pipe has been cut, so measure twice, cut once!

Cut along the line made in the previous step, being sure to cut as straight as possible until you cut all the way through the pipe, then remove any burrs from the exhaust pipe, this will ensure a proper fit and seal once the new pipes are installed.



Step 4:

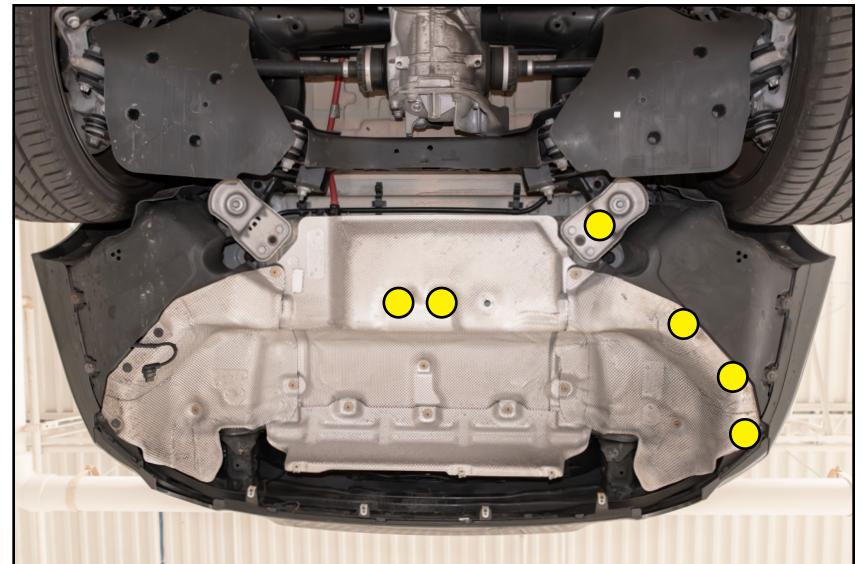
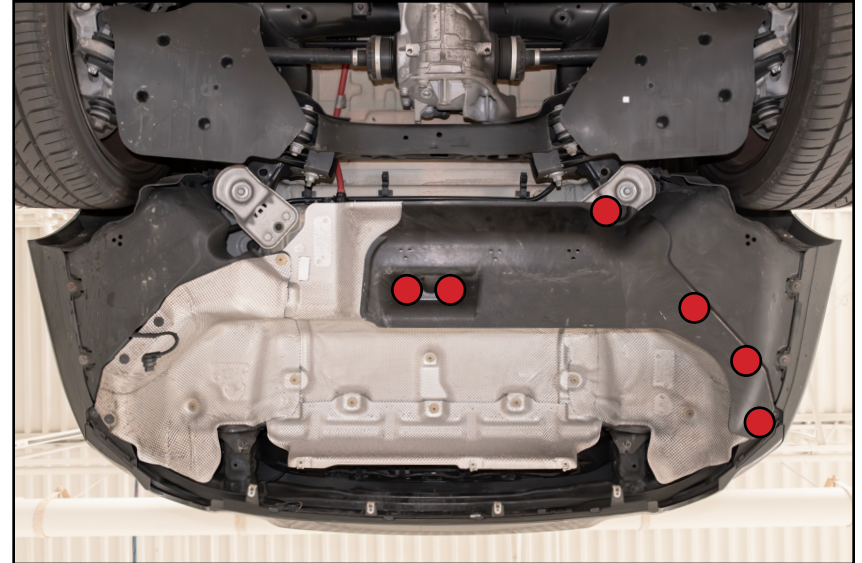
Support the exhaust system from below, then remove the nuts to disconnect the exhaust hangers (circled in **RED**) from the vehicle and carefully remove the muffler.



REMOVING THE STOCK EXHAUST SYSTEM

Step 5: 8mm, 10mm Socket & Ratchet

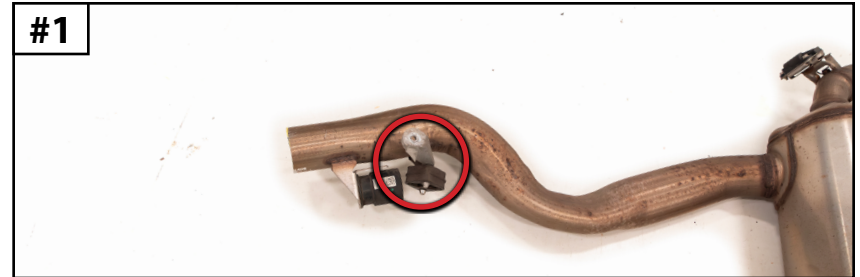
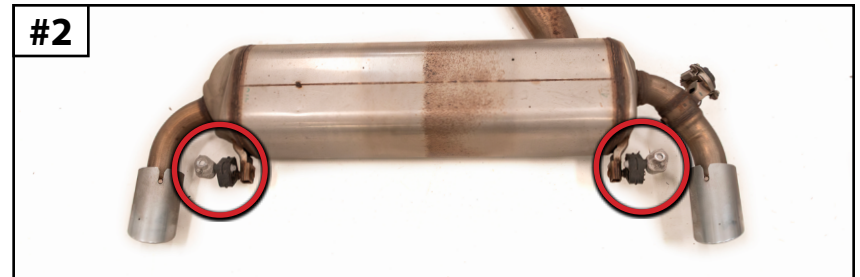
If equipped, remove the hardware (**RED** circles in **Photo #1**) and remove the plastic panel from the vehicle, then reinstall the hardware (**YELLOW** circles in **Photo #2**).



REMOVING THE STOCK EXHAUST SYSTEM

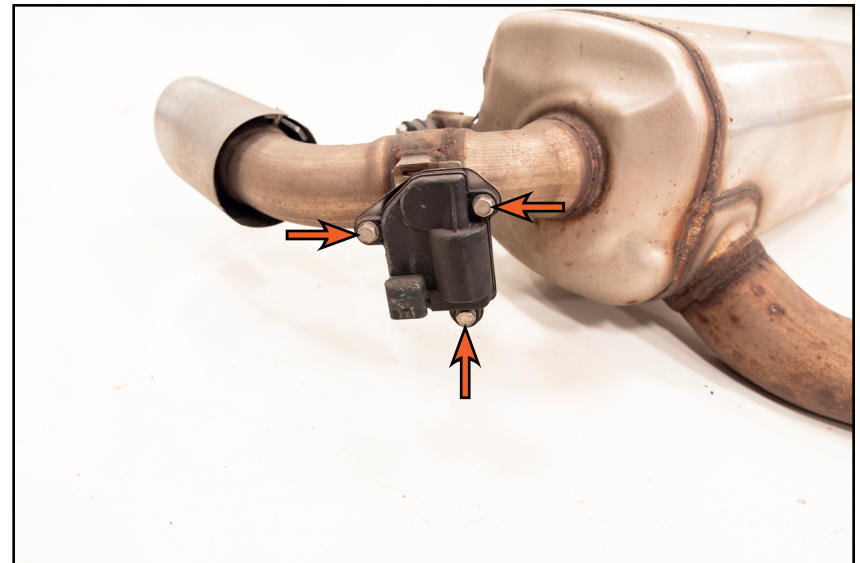
Step 6: Exhaust Hanger Removal Pliers

Remove the hangers (circled in **RED** in **Photos #1 & #2**) from the stock exhaust system and set them aside.

#1**#2**

Step 7: 10mm Socket & Ratchet

Valved exhaust systems installations ONLY: Remove the three screws (arrows), pull the controller free from the exhaust valve, and set it aside.



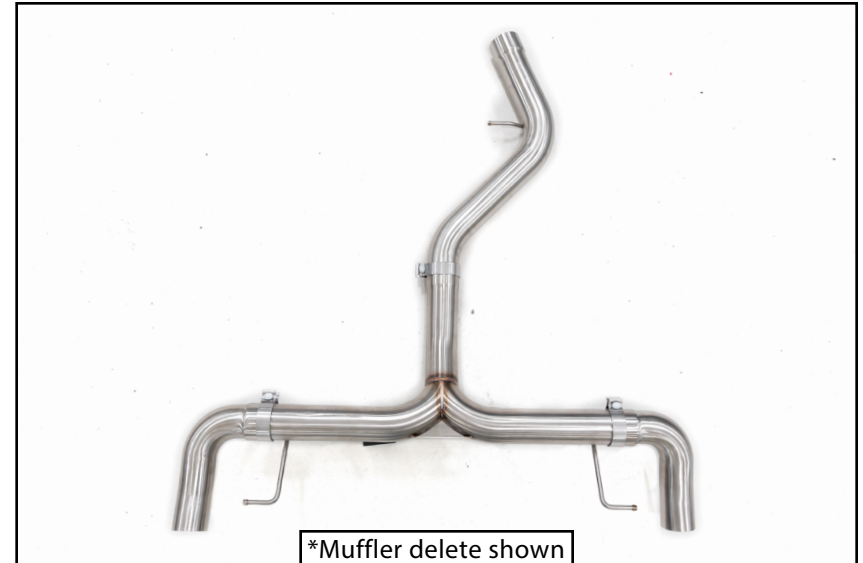
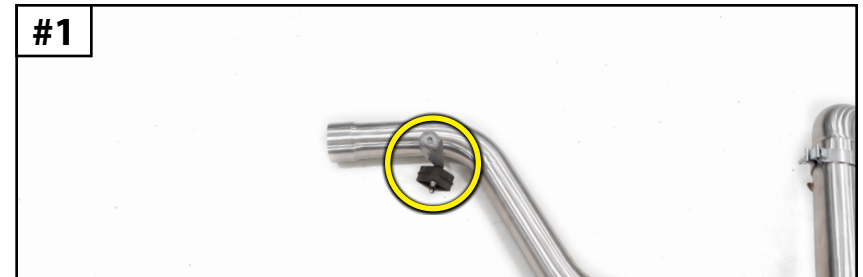
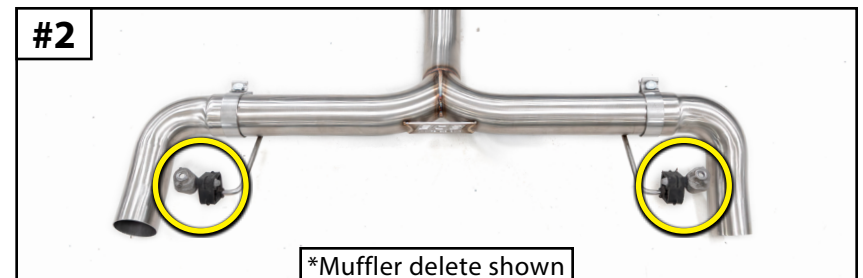
INSTALLING THE NEW EXHAUST SYSTEM

Step 1: Pipe Expander Tool, Ball Pein Hammer

Unpack the new exhaust system, lay it out on the floor, and 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 tool or gently tap on the ends of the pipes with a ball pein hammer to straighten them, then recheck fitment.

Step 2:

Transfer the exhaust hangers (circled in **YELLOW**) to the new exhaust pipes as shown, orienting them exactly as they were before.

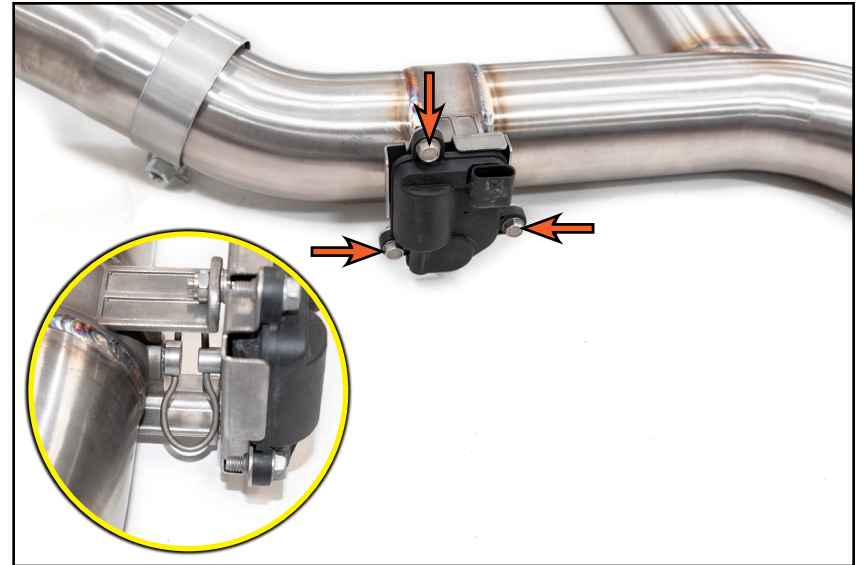
**#1****#2**

*Muffler delete shown

INSTALLING THE NEW EXHAUST SYSTEM

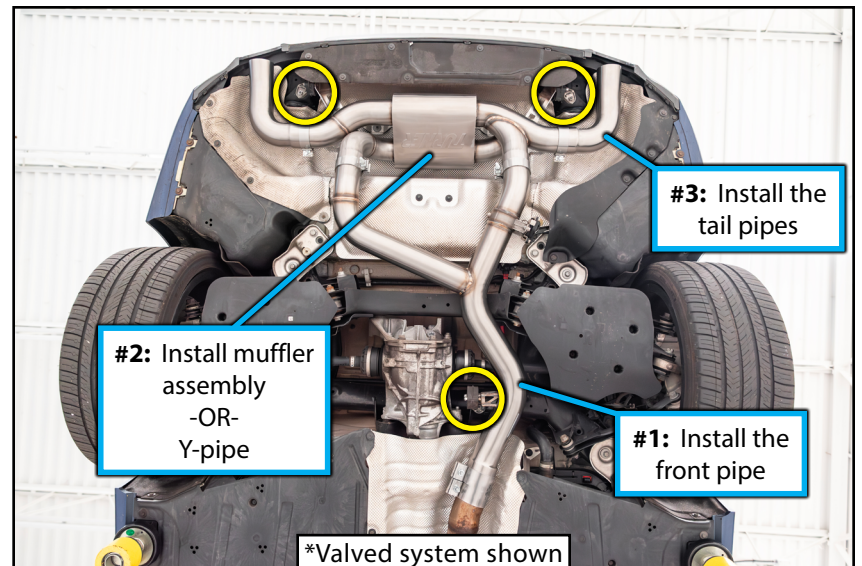
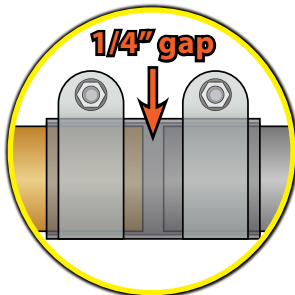
Step 3: 10mm Socket & Ratchet

Valved exhaust systems installations ONLY: Transfer the controller to the new exhaust valve, ensuring the provided spring aligns with the notches in the valve (as shown in inset photo), then tighten the screws (arrows) until snug.



Step 4: 13mm, 15mm Socket & Ratchet

Install the exhaust system in the order shown. Secure the hangers (circled in **YELLOW**) to the vehicle, then center the sleeve clamp between the pipes, leaving a 1/4" gap (as shown in inset photo below) then tighten the clamp until snug. Adjust the exhaust system, ensuring proper fitment and clearance, then snug the clamps.



INSTALLING THE NEW EXHAUST SYSTEM

Step 5: 15mm Socket & Ratchet

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

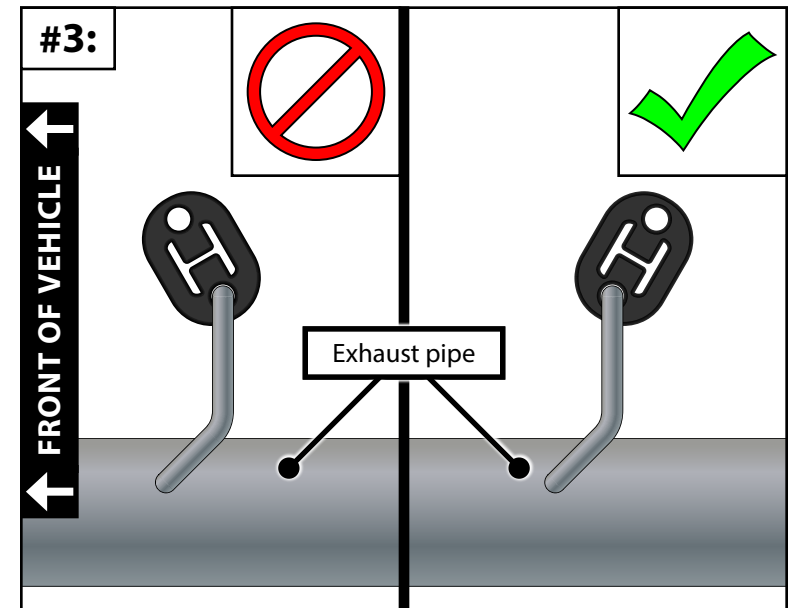
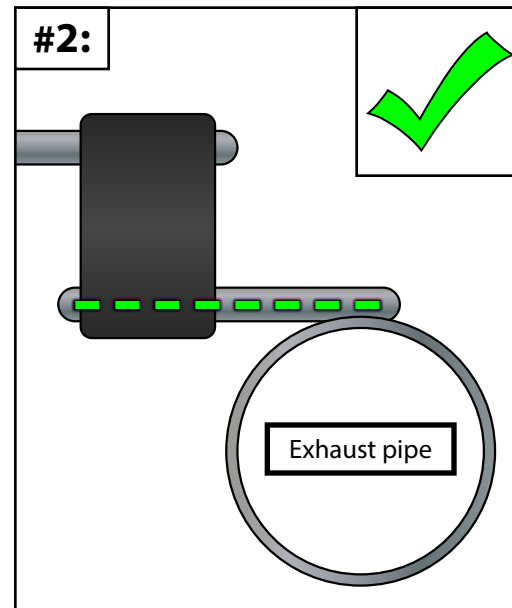
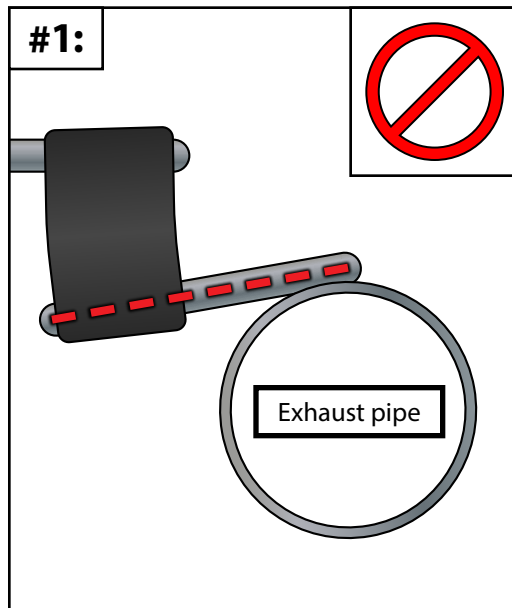
Finally, we want to ensure that the exhaust hangers are rotated at least slightly toward the front of the vehicle (**Photo #3 below**). The exhaust hangers should be inclined toward the front of the vehicle so that lower hole is approximately 10-15mm forward of the upper hole, this will allow the hangers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

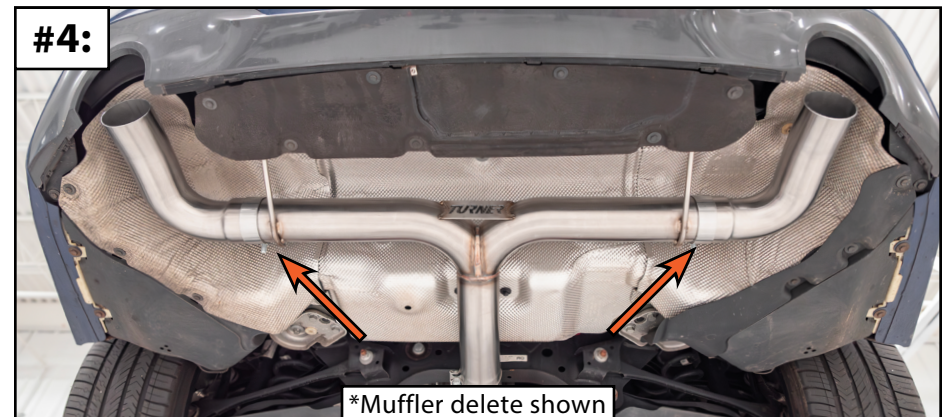
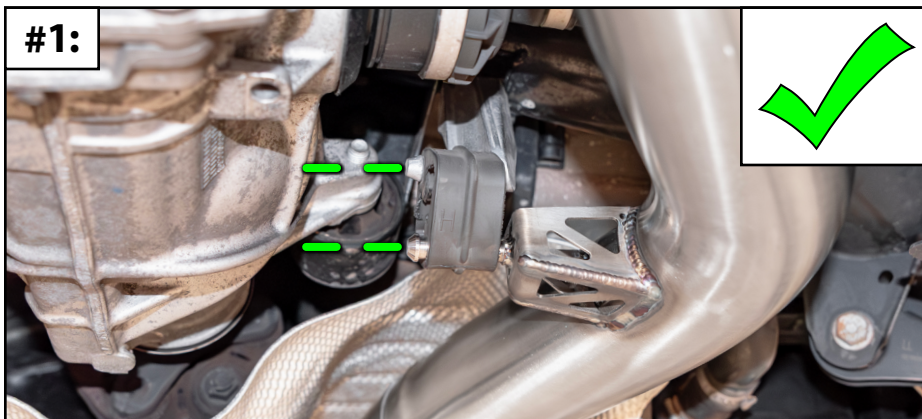


INSTALLING THE MUFFLER DELETE KIT

Step 6: 15mm Socket & Ratchet

Adjust the exhaust pipes until the middle exhaust hanger rods are properly aligned (**Photo #1**) and the front pipe has adequate clearance for the subframe and differential. Adjust the tail pipes until they are centered in the bumper cutouts and level side-to-side and front-to-back (**Photos #2 & #3**), then tighten the clamps (arrows in **Photo #4**).

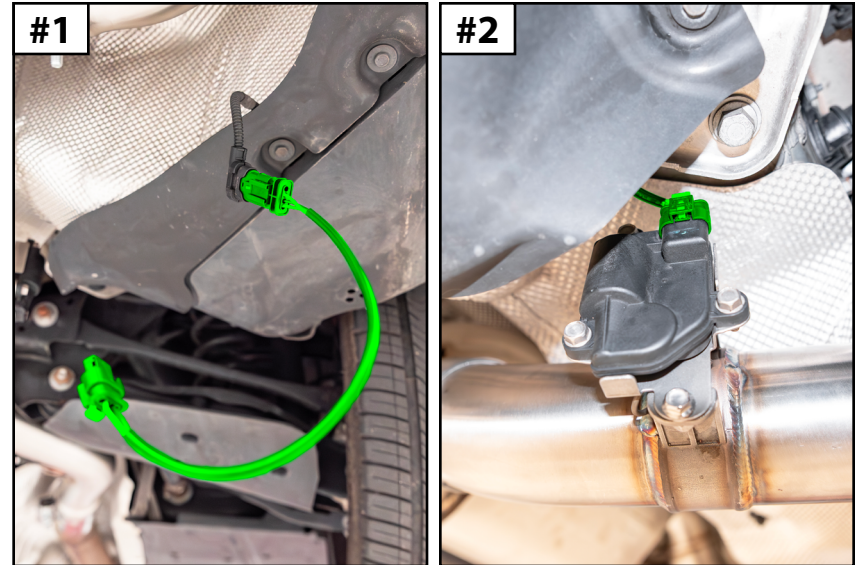
Once the system is properly adjusted, fully tighten each clamp, then check again for clearance around all pipes, re-adjusting as needed.



INSTALLING THE NEW EXHAUST SYSTEM

Step 7:

Valved exhaust systems installations ONLY: Connect the provided extension harness (highlighted in **GREEN** in **Photo #1**) to the valve controller connector. Connect the extension harness (highlighted in **GREEN** in **Photo #2**) to the valve controller.



Step 8: 13mm Socket & Ratchet

Slide the new exhaust tips onto the tail pipes and ensure clearance between the tips and the rear valance. Set the tips at the desired depth, ensuring that the Turner logos are facing upward, then tighten the clamps until fully snug.



Congratulations, Your installation is complete!

Your Axle-Back Exhaust System 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.

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