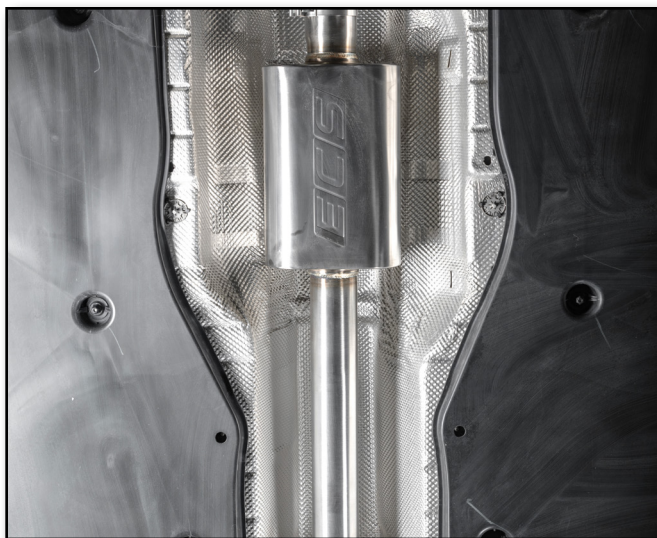
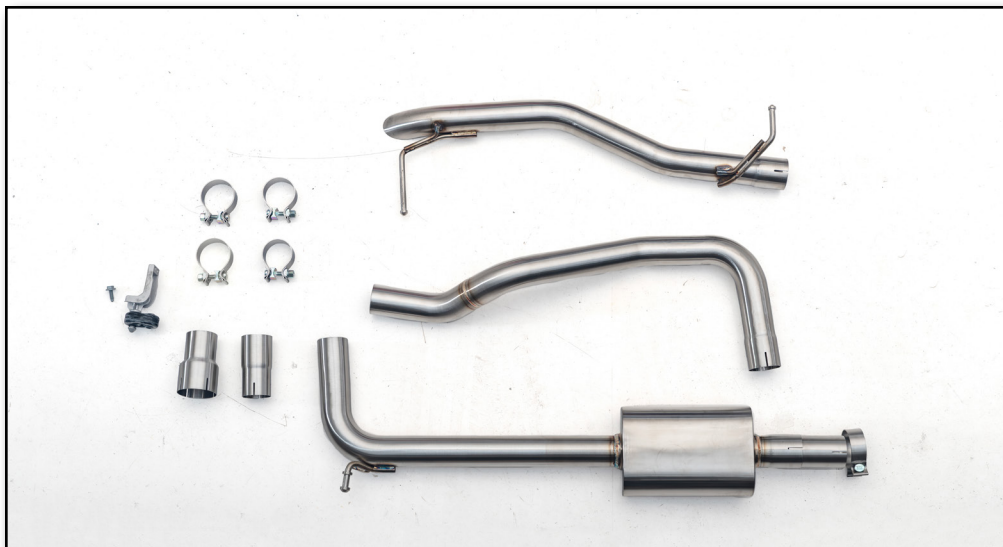




Skill Level
1 - Easy
Basic Skills
Required

VW MK7 Jetta 1.5T Cat-Back Exhaust System Installation Instructions - [Click HERE to Shop](#)

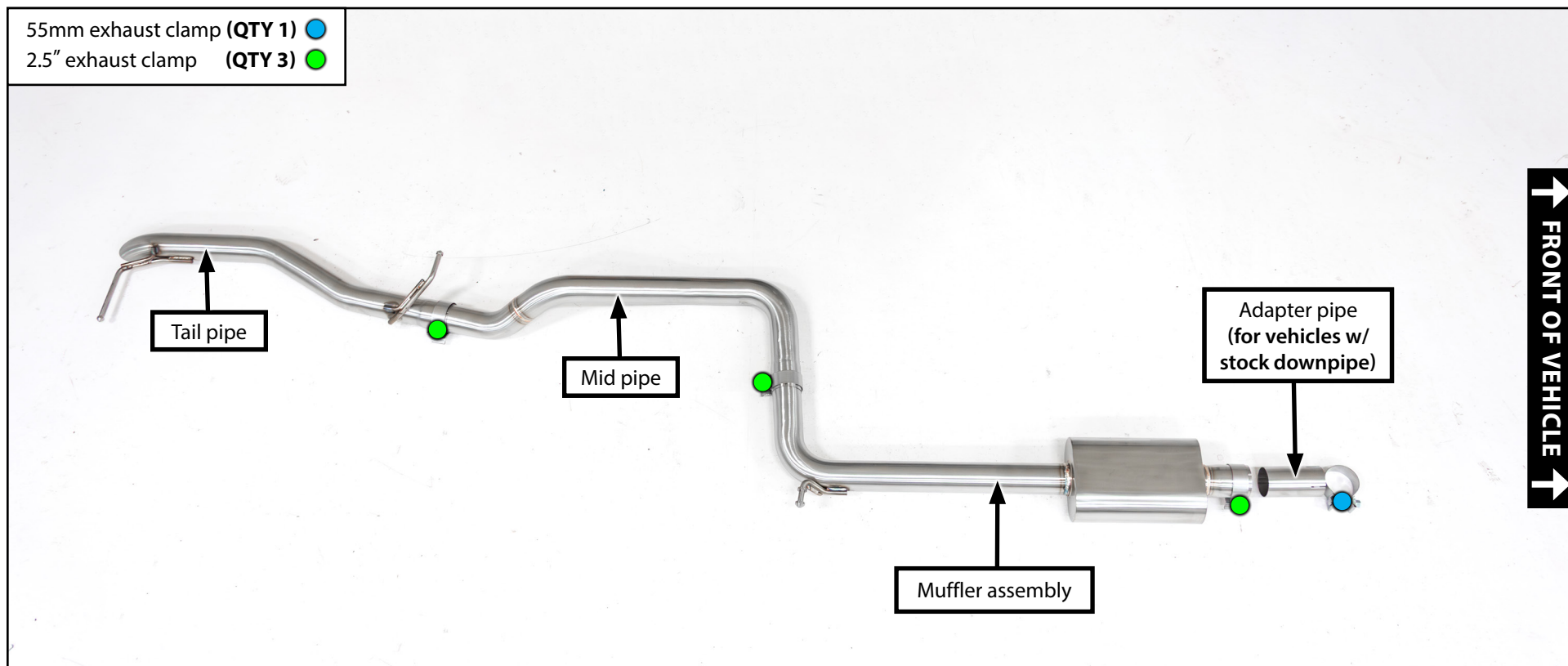


Proper service and repair procedures are vital to the safe, reliable operation of all motor vehicles as well as the personal safety of those performing the repairs. Standard safety procedures and precautions (including use of safety goggles and proper tools and equipment) should be followed at all times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

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KIT CONTENTS



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

Available On Our Website

- 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
- Triple Square Drivers [ES#9013](#)
- Hex Bit (Allen) Wrenches and Sockets [ES#11420](#)
- Thread Repair Tools [ES#1306824](#)
- **Open/Boxed End Wrench Set** [ES#2765907](#)

Specialty Tools

- **Exhaust Hanger Removal Pliers** [ES#2784927](#)
- **Exhaust Pipe Cutter** [ES#3106581](#)

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.

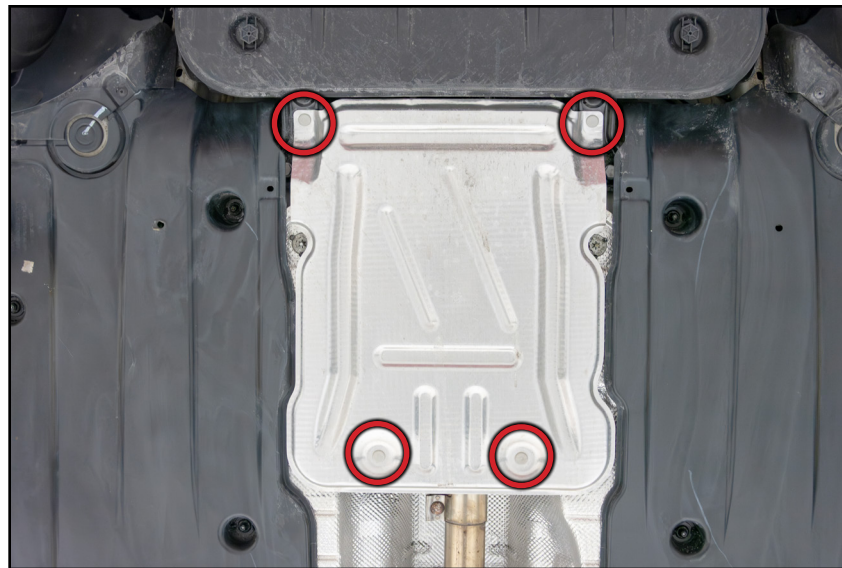


NEVER get underneath a vehicle that is supported only by a jack, and **ALWAYS** make sure that the vehicle is securely supported on jack stands.

REMOVING THE STOCK EXHAUST SYSTEM

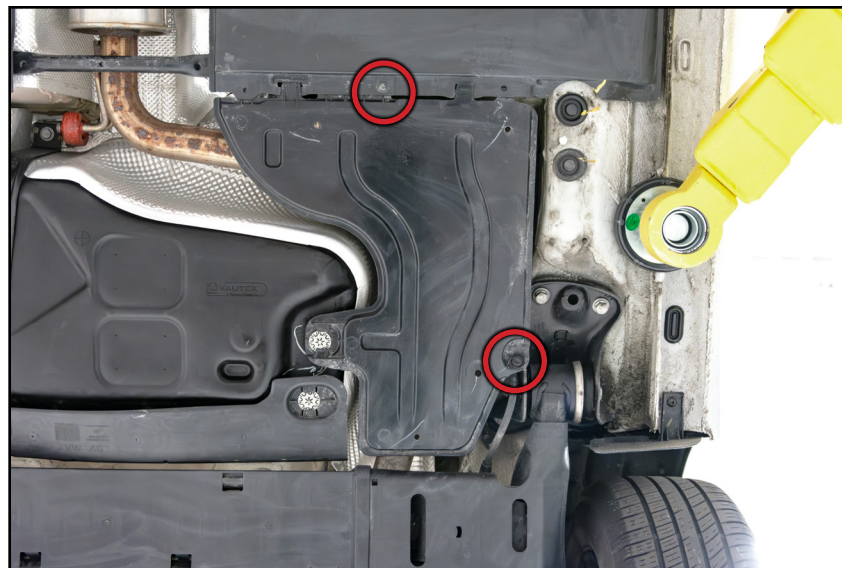
Step 1: Trim Removal Tool

Safely lift and support the vehicle, then remove the plastic push rivets (circled in **RED**) and remove the under shield from the vehicle.



Step 2: Trim Removal Tool, T25 Torx Socket & Ratchet

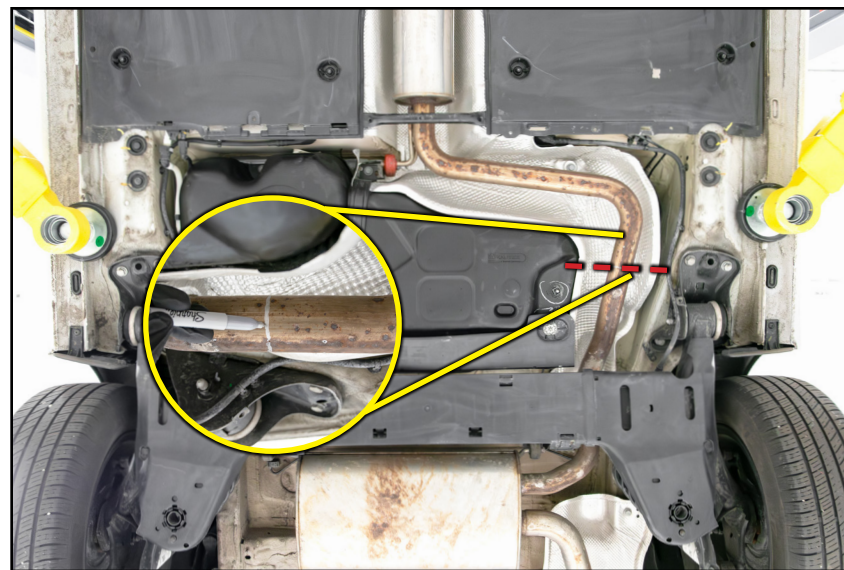
Remove the hardware (circled in **RED**) that secures the rear insulation panel to the underside of the vehicle, then remove it.



REMOVING THE STOCK EXHAUST SYSTEM

Step 3: Marker - OR - Masking Tape

The exhaust system must be cut (**RED** dashed line) to make removal possible. Locate a straight section of the exhaust pipe where a sleeve clamp can be used to reinstall the stock exhaust, if desired, then make a mark (inset photo) around the exhaust pipe.



Step 4: Exhaust Pipe Cutter Tool - OR - Reciprocating Saw



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

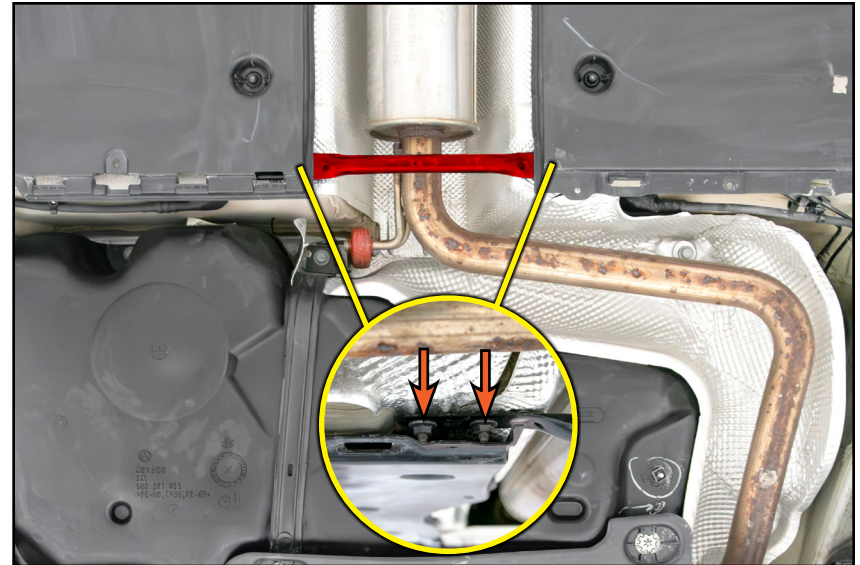
Cut along the line we made in the previous step, being sure to cut as straight as possible until you cut all the way through the exhaust pipe.



REMOVING THE STOCK EXHAUST SYSTEM

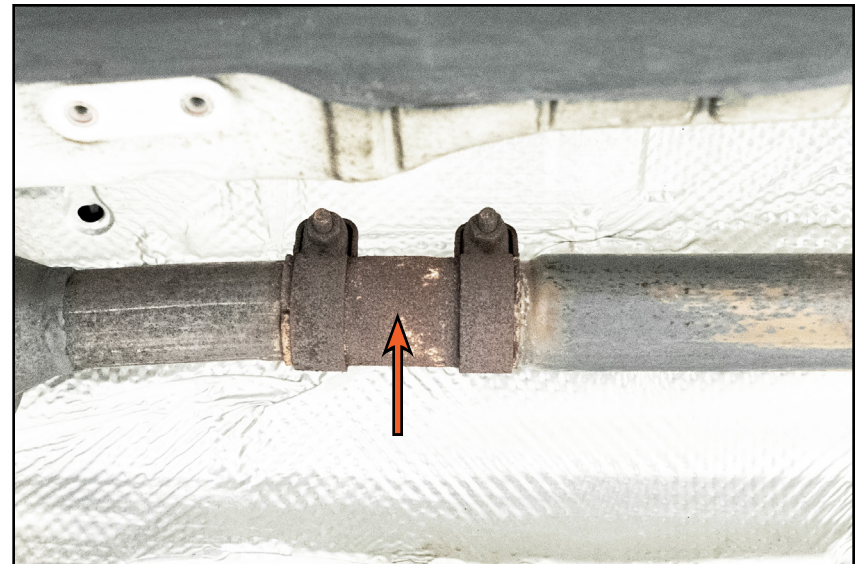
Step 5: 13mm Ratcheting Wrench

Remove the nuts (arrows in inset photo), then remove the cross brace (highlighted in **RED**) from the vehicle.



Step 6: 13mm Socket & Ratchet

Loosen the sleeve clamp (arrow), then slide the clamp forward onto the stock downpipe.



REMOVING THE STOCK EXHAUST SYSTEM

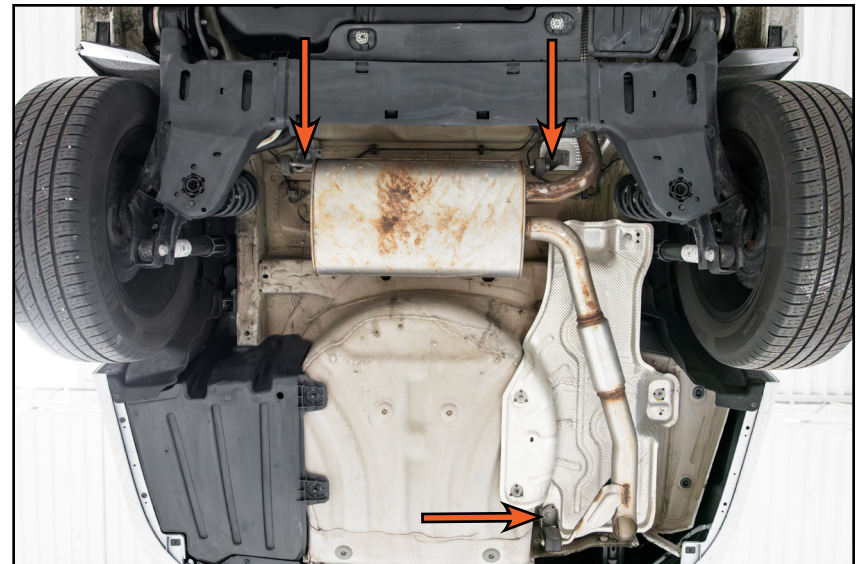
Step 7: Exhaust Pipe Hanger Remover Pliers

Support the stock exhaust system from below. Release the front exhaust hanger (arrow) from the exhaust system, then carefully remove the front section of the stock exhaust system from the vehicle.



Step 8: 13mm Socket & Ratchet

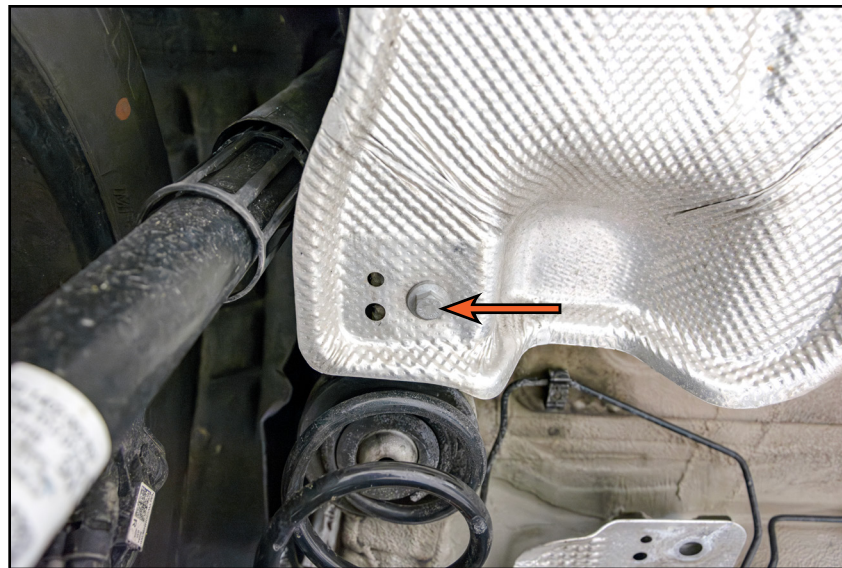
Remove the bolts (arrows) that secure the rear exhaust hangers to the vehicle, then carefully remove the rear section of the stock exhaust system from the vehicle.



REMOVING THE STOCK EXHAUST SYSTEM

Step 9: 13mm Socket & Ratchet

Remove the bolt (arrow), located behind the LH rear spring, from the vehicle and set it aside.



Step 10: Exhaust Pipe Hanger Remover Pliers

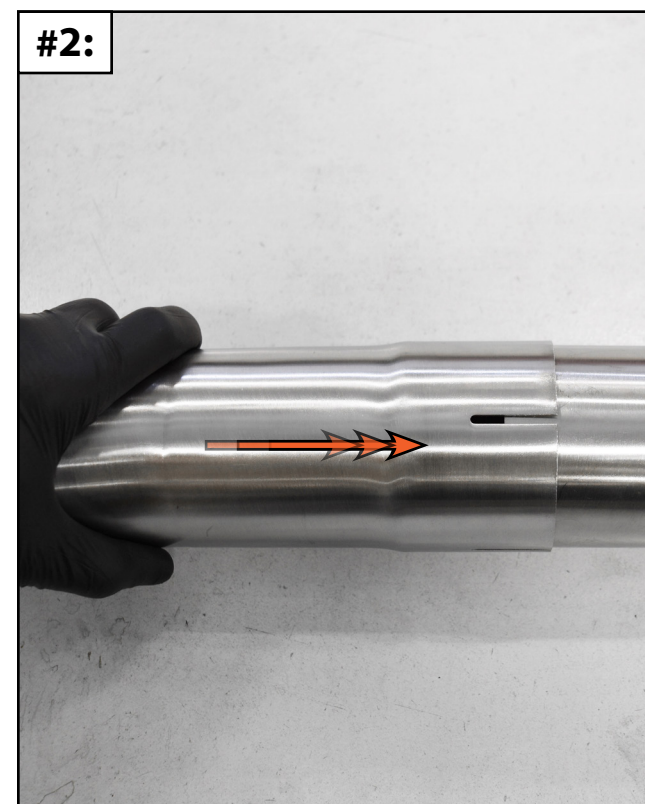
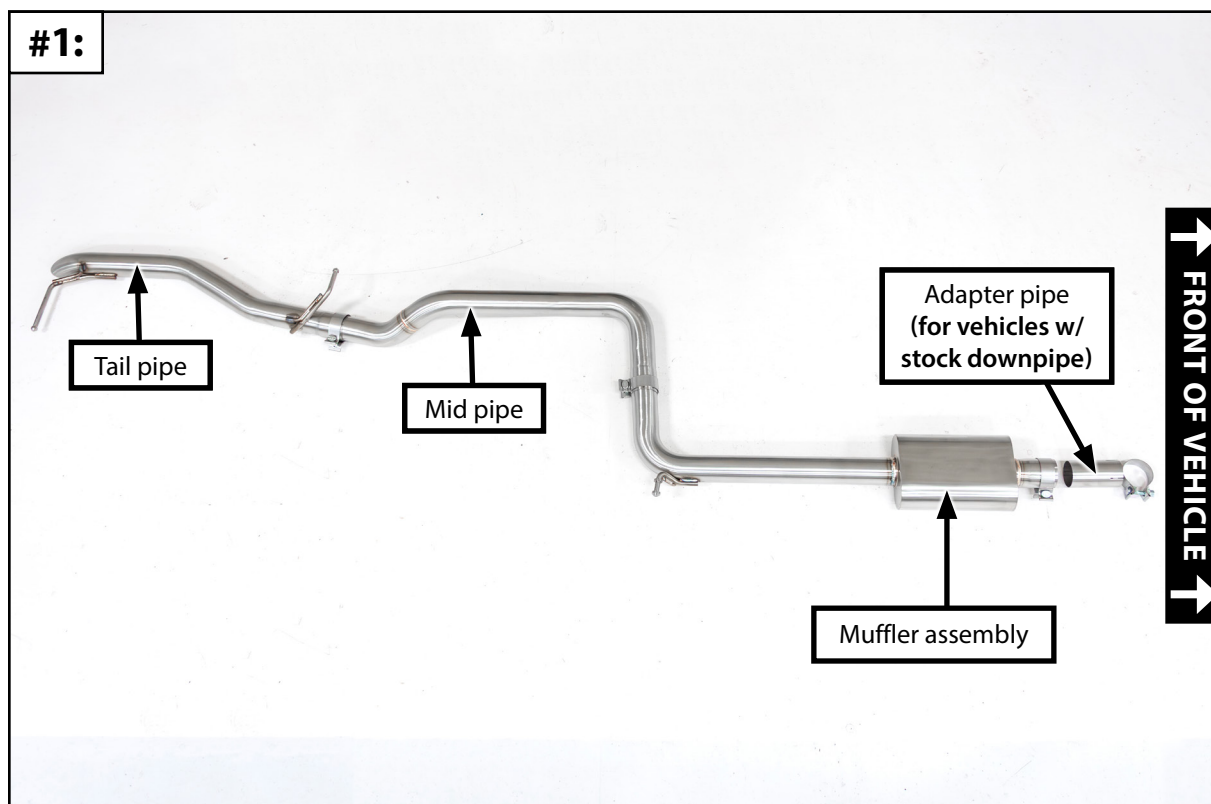
Remove the rearmost exhaust hanger (arrow) from the stock exhaust system and set it aside.



INSTALLING THE NEW EXHAUST SYSTEM

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 (as shown in **photo #1**). Inspect all of the slip joints for any signs of damage during shipping. Test fit the pipes by assembling them at every slip joint to ensure they slide together easily (**photo #2**). If they do not slide together easily, use a pipe expander or gently tap on the end of the pipes with a ball pein hammer to straighten them, then recheck fitment. Please note that during this installation, you will assemble the exhaust from front to back **WITHOUT** tightening any clamps. Later on, we will show you how to position the system properly. We will tighten the clamps **AFTER** that is complete. Proceed to the next page once all the slip joints slide together easily.



INSTALLING THE NEW EXHAUST SYSTEM

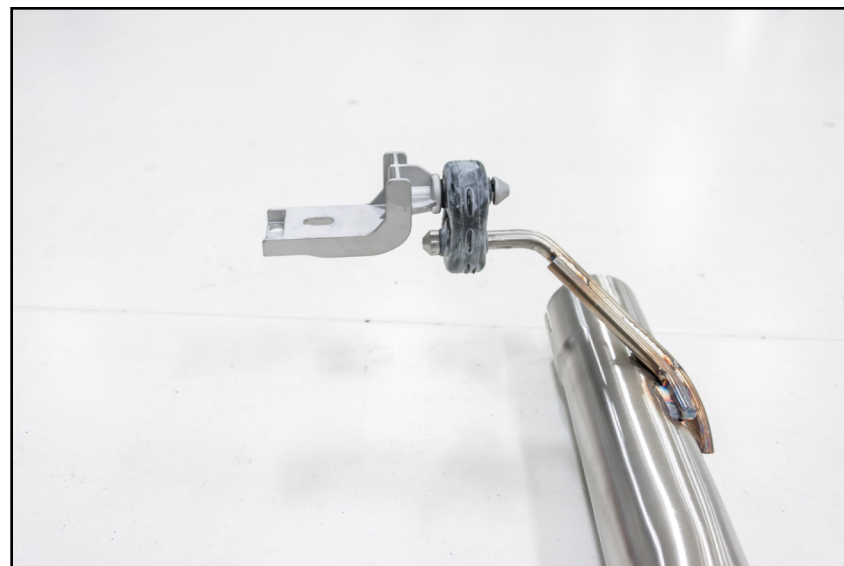
Step 2:

Transfer the rearmost exhaust hanger from the stock exhaust system to the tail pipe section of the new exhaust system.



Step 3:

Install the provided exhaust hanger onto the tail pipe and orient the exhaust hanger as shown.



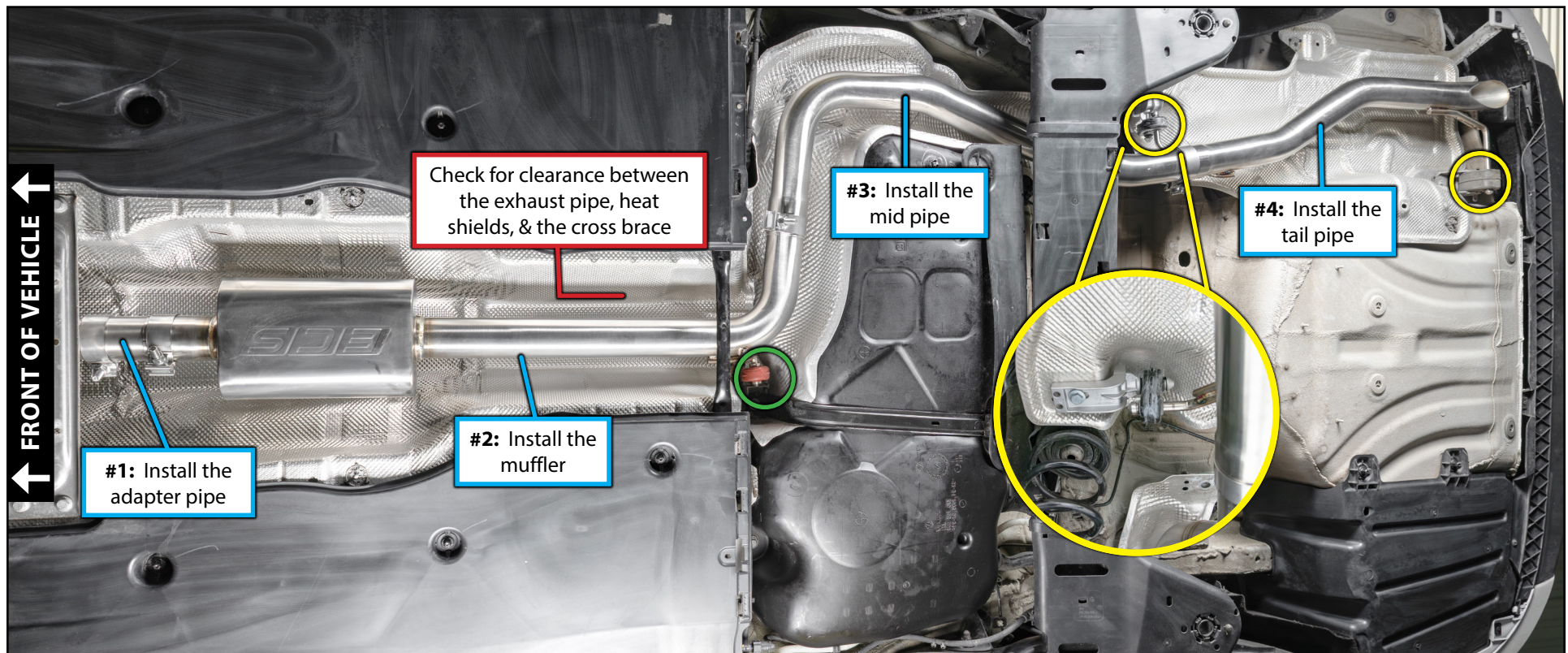
INSTALLING THE NEW EXHAUST SYSTEM

Step 4: 13mm Socket, 15mm Socket & Ratchet

Install the exhaust system in the order shown in the photo below. Reconnect the exhaust hanger (circled in **GREEN**), then reconnect the two rear exhaust hangers (circled in **YELLOW**). Closely inspect the exhaust system from front to back, ensuring clearance between the pipes and nearby components and snug the clamps but **DO NOT** fully tighten any clamps until **AFTER** you've performed all of the steps up through page 14.



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 EXHAUST SYSTEM

Step 5: 15mm Socket & Ratchet

Check the hangers on the muffler assembly and the tail pipe to ensure that they are sitting level side-to-side (**photos #1 & #2 below**).

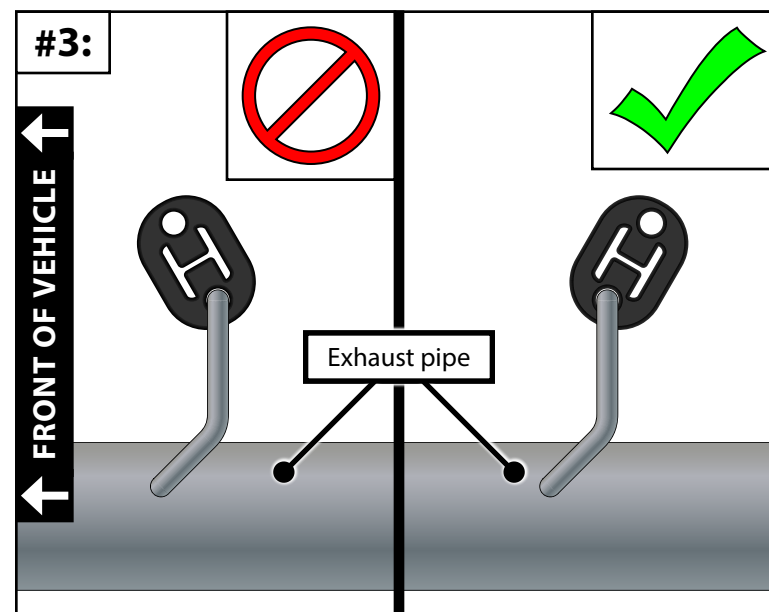
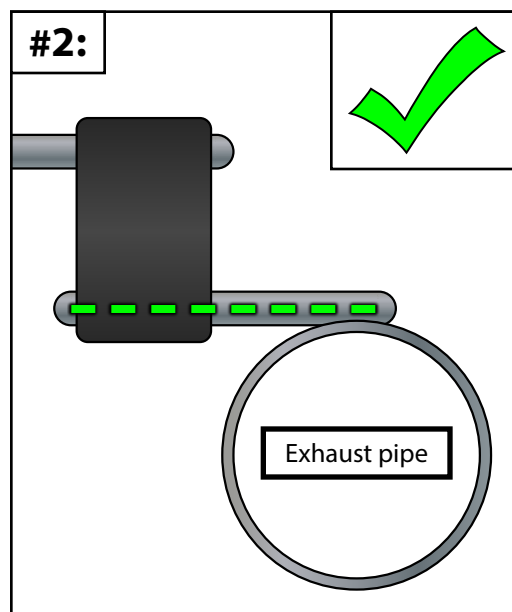
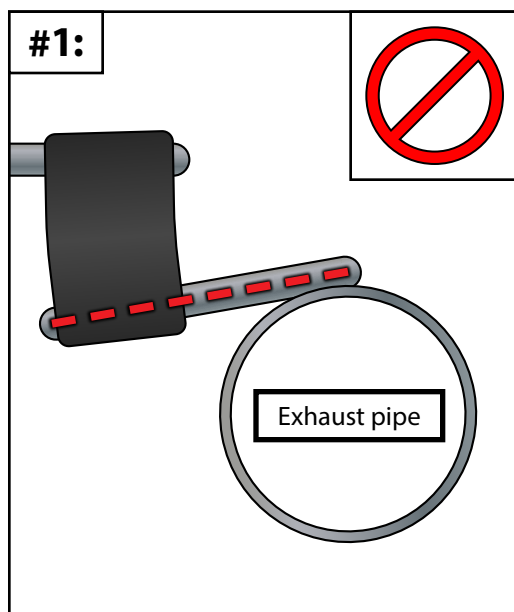
Finally, we want to ensure that the exhaust hangers are rotated at least slightly toward the front of the vehicle (**photo #3 below**). The exhaust hangers should be inclined toward the front of the vehicle so that lower hole is approximately 10-15mm forward of the upper hole, this will allow the hangers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

Step 6:

Inspect the muffler and ensure that it is sitting level front-to-back and side to side as much as possible (as shown in **photo's #1 & #2**).



Step 7: 13mm Ratcheting Wrench, 15mm Socket & Ratchet

Starting at the front and moving rearward, push upward on the exhaust system as you fully tighten each clamp, then let go and allow the exhaust to settle. Check again for clearance around all the exhaust pipes.

Reinstall the undershield, rear insulation panel and cross brace (not shown).

Wipe any oil, grease, or fingerprints from the exhaust system.

Recheck all fasteners after the vehicle has been driven 500 miles.

Congratulations, your installation is complete!



Your Cat-Back Exhaust System installation is complete!



These instructions are provided as a courtesy by ECS Tuning

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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