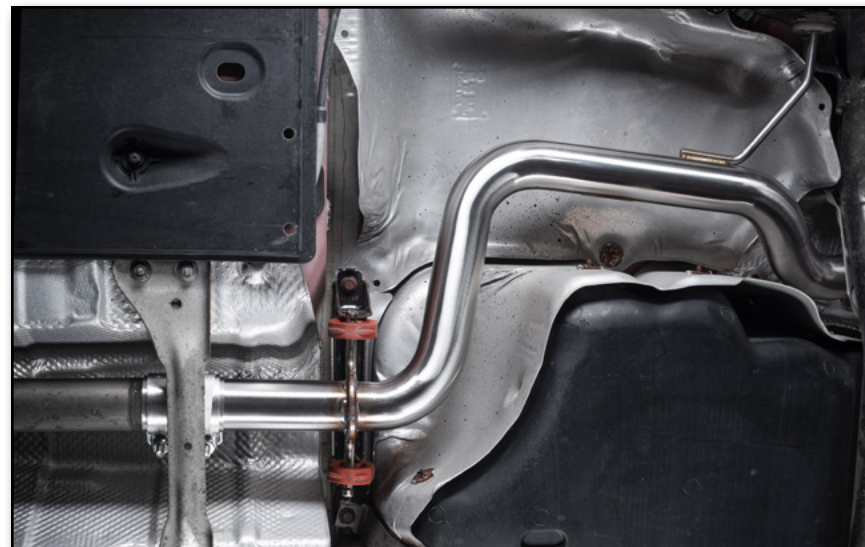




VW MK6 GLI Resonator Delete Kit Installation Instructions - [ES4046180](#)



Skill Level
1 - Moderate
Basic Skills
Recommended



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.

INTRODUCTION

The Project:

Today we are going to install our ECS Tuning Resonator Delete Kit for the VW MK6 Jetta GLI. This pipe has been designed by the engineering team at ECS Tuning to improve the flow of exhaust and give your GLI a subtle, deep tone without the need for a costly full cat-back exhaust system. This job requires only a few basic tools and we provide all the clamps so installation is a breeze! Patience and attention to detail are crucial for proper installation of this product, so take your time and remember: measure twice, cut once!

The photo below shows the new ECS resonator delete pipe laid next to the stock resonator that we will be removing today. As you can see, the new pipe will be a direct replacement for the stock center resonator, and will utilize the stock hanger location and front sleeve clamp.

Be sure to read these instructions completely before you begin the project, and don't be afraid to refer back if you get stuck. Thank you for choosing ECS Tuning for all your performance and repair needs, we appreciate your business!

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KIT CONTENTS



Resonator Delete Pipe **(QTY 1)**



2.5" Clamp **(QTY 1)**



Sleeve Clamp **(QTY 1)**

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
- Punch and Chisel Set
- 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](#)
- **Die Grinder - OR - Metal File**

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.

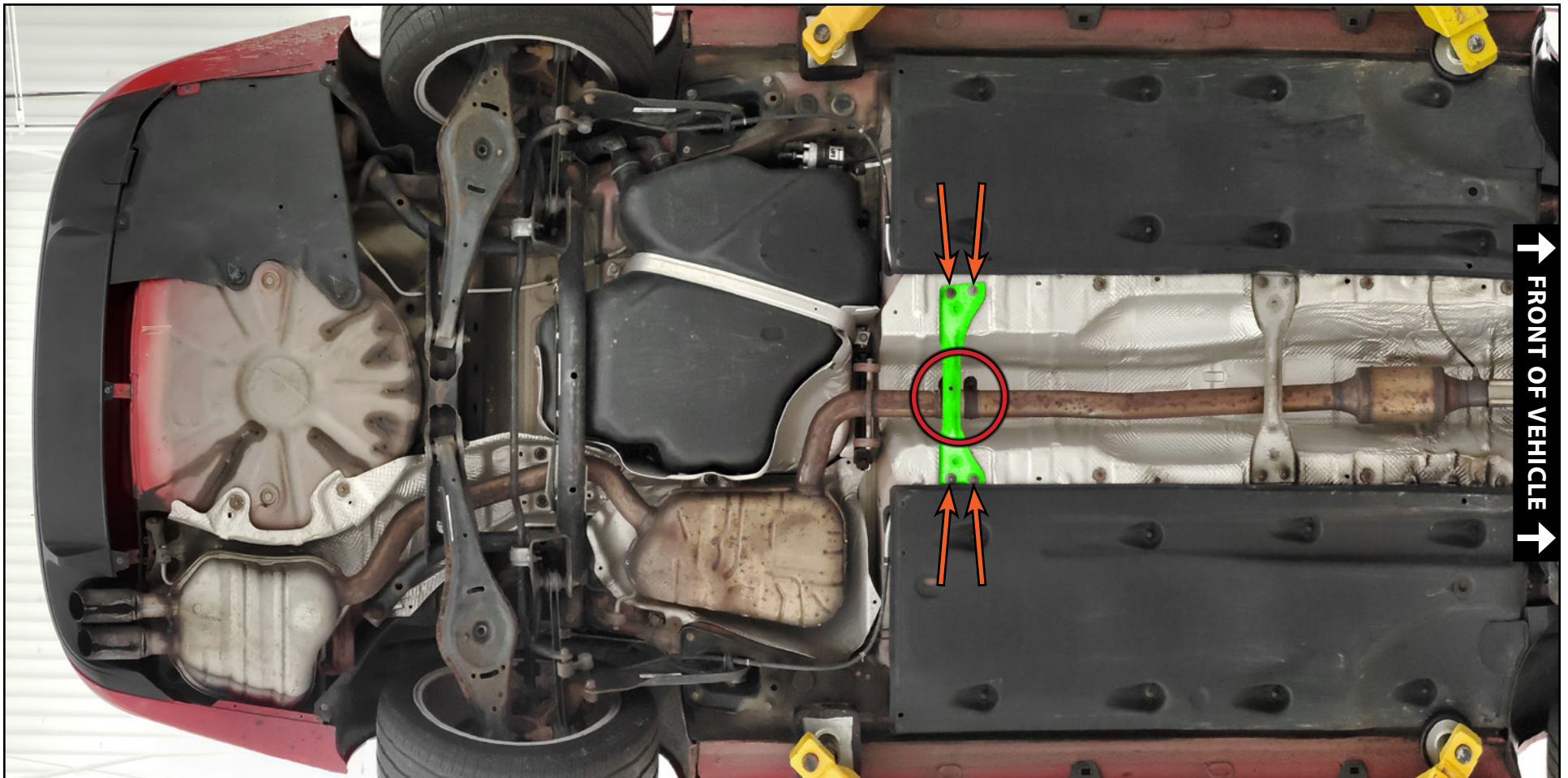


NEVER get underneath a vehicle that is supported only by a jack, and **ALWAYS** make sure that the vehicle is securely supported on jack stands.

INSTALLING THE RESONATOR DELETE KIT

Step 1: 13mm Socket & Ratchet

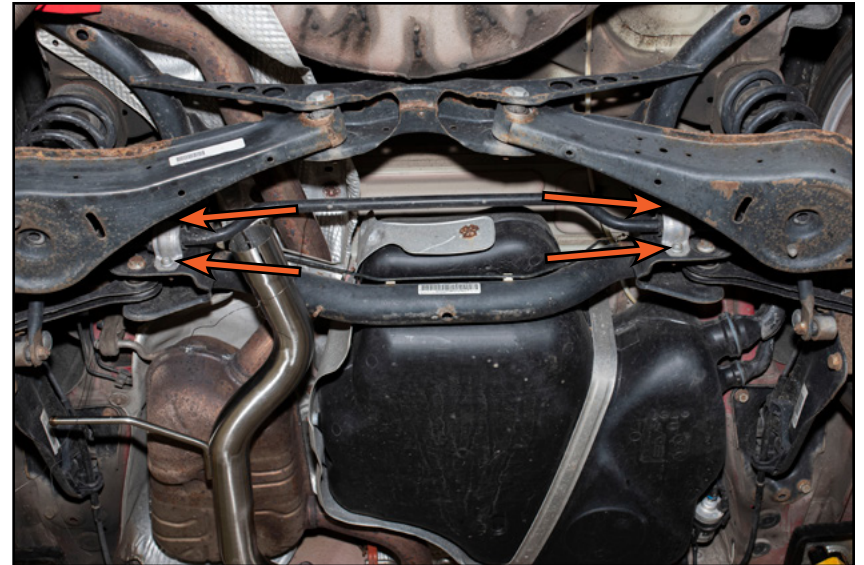
Remove the four nuts (arrows) which secure the rear tunnel brace (highlighted in **GREEN**) to the vehicle, then remove the brace. Loosen the sleeve clamp (circled in **RED**), then slide it forward onto the downpipe.



INSTALLING THE RESONATOR DELETE KIT

Step 2: M10 Triple Square

Before removing the stock resonator, we would strongly recommend removing the four bolts (arrows) which secure the rear sway bar to the subframe. This will give you a LOT more room to work around the exhaust pipe where we will be making our cut.

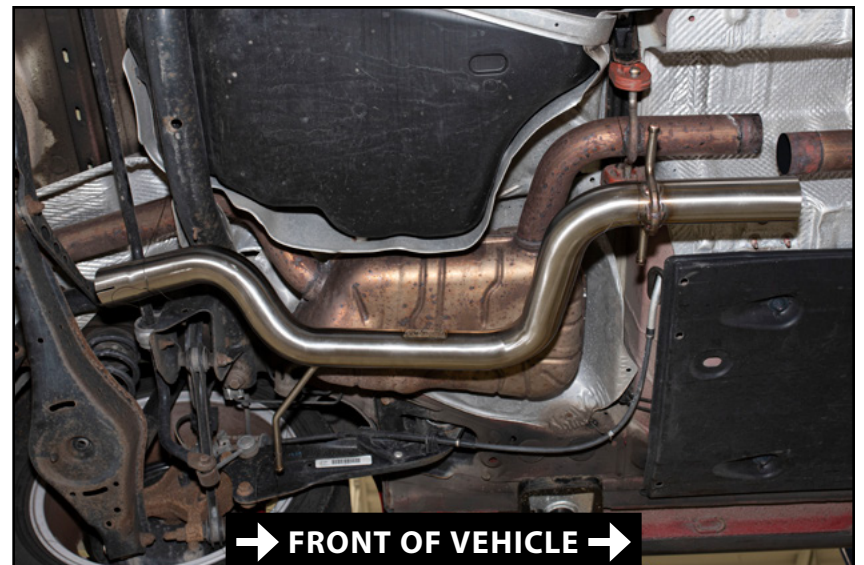


Step 3: Mechanic's Wire -or- Masking Tape

Lift the new resonator delete pipe up against the stock exhaust. This can be tricky since the stock pipe runs above the subframe, but as long as the resonator delete pipe is parallel with the stock system we should be able to figure out where to make our cut.



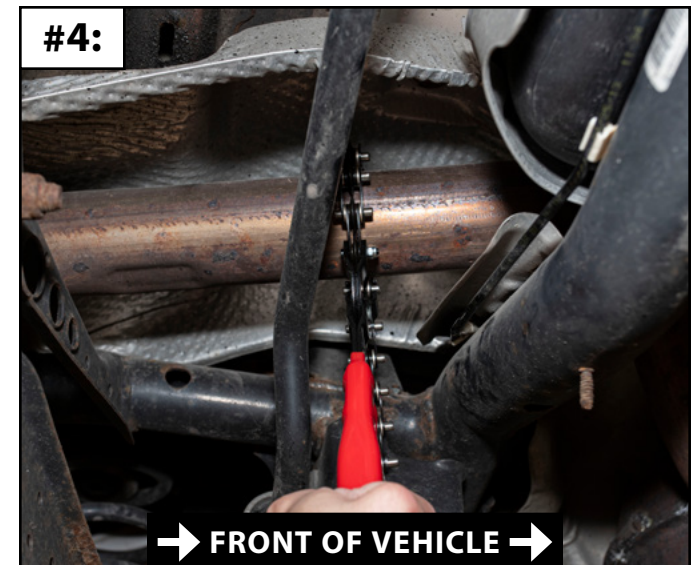
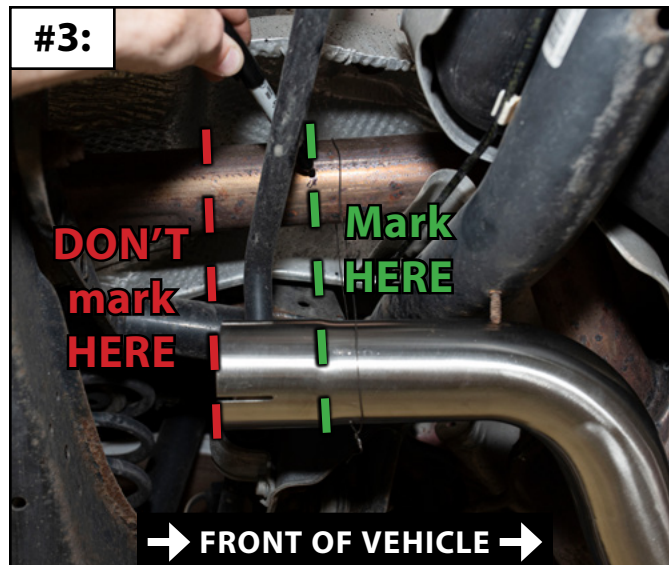
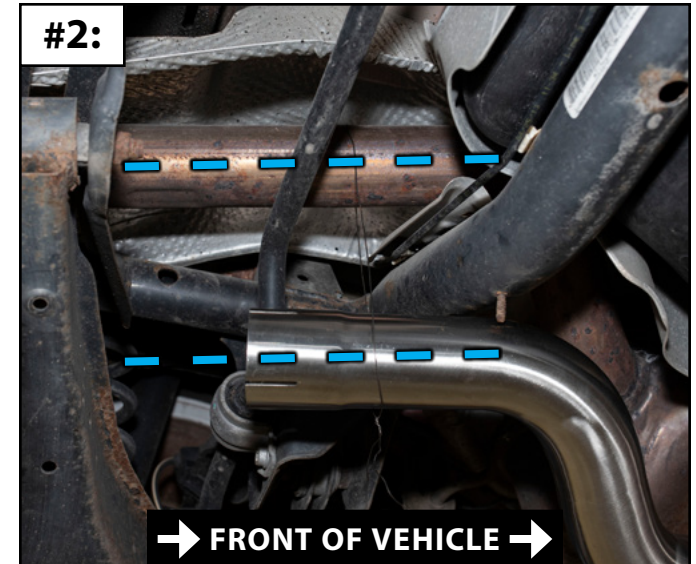
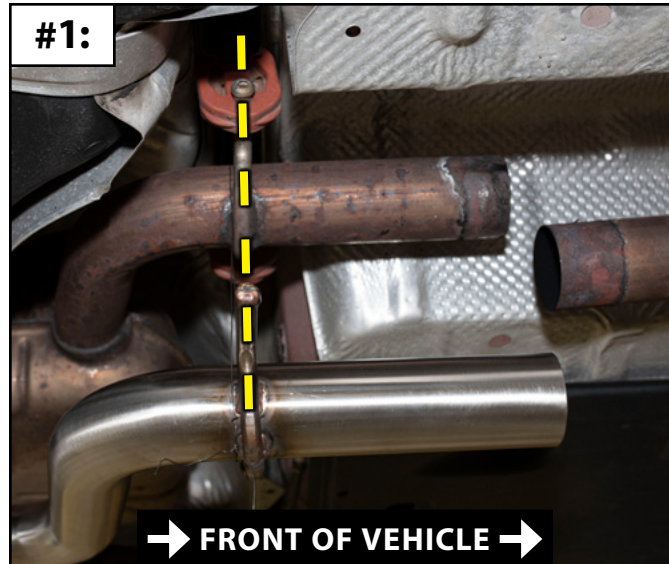
It is absolutely imperative that you take your time here and double check that the pipes are properly aligned. All of your cuts are going to be based off of this alignment, so it's worth taking your time to ensure that it's done right.



INSTALLING THE RESONATOR DELETE KIT

Step 4:

- 1) Ensure that the front hanger rods on each pipe are aligned with one another (**YELLOW** line in **photo #1**).
- 2) Secure the resonator delete pipe up so that the pipes are parallel with one another (**BLUE** lines in **photo #2**). Ensure that the rear hanger rods are aligned with one another (not shown).
- 3) Draw an imaginary line from the inside of the slip fitting on the resonator delete pipe up to the stock exhaust pipe. Make a mark on the stock pipe here with a permanent marker (**RED** and **GREEN** lines in **photo #3**).
- 4) 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 pipe, then ***proceed to the next page.***



INSTALLING THE RESONATOR DELETE KIT

Step 5:

Release all three rubber exhaust hangers from the stock resonator (**photo #1** and **photo #2**), then remove the stock resonator assembly from the vehicle.

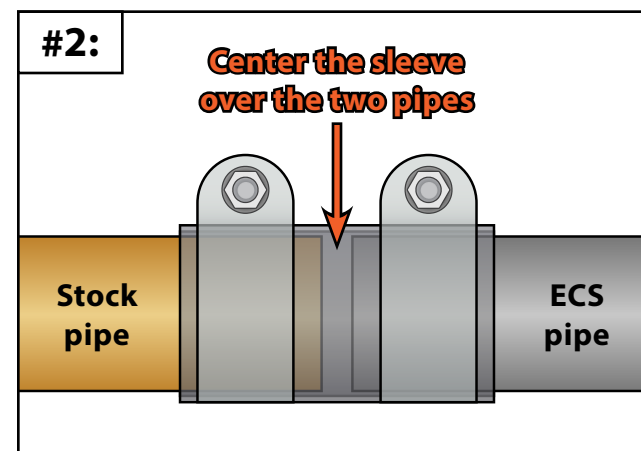
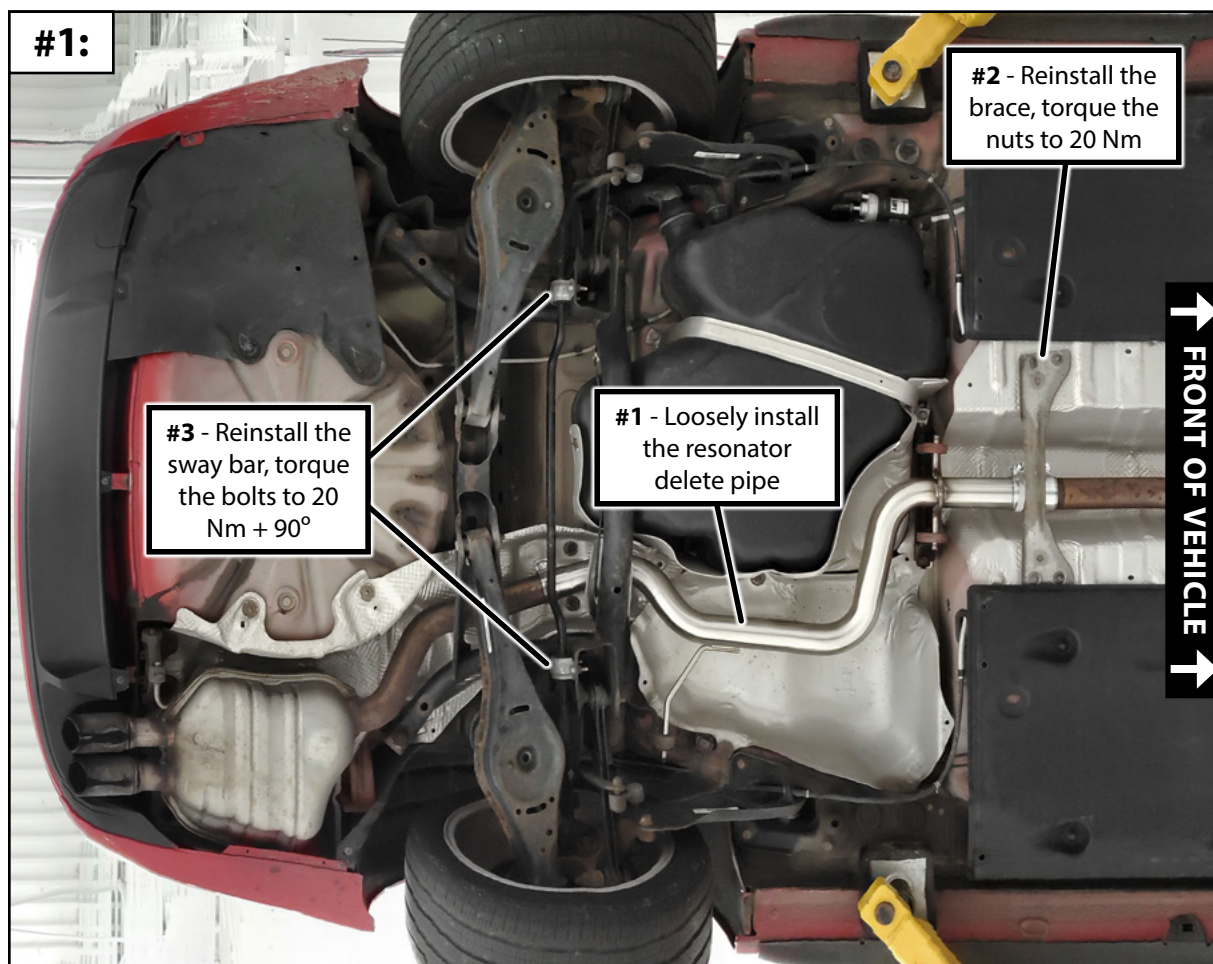
Use a metal file or die grinder to remove any burrs from the exhaust pipe that we cut, this will ensure a proper fit and seal once the new pipe is installed (**photo #3**).



INSTALLING THE RESONATOR DELETE KIT

Step 6: M10 Triple Square, 13mm Socket & Torque Wrench

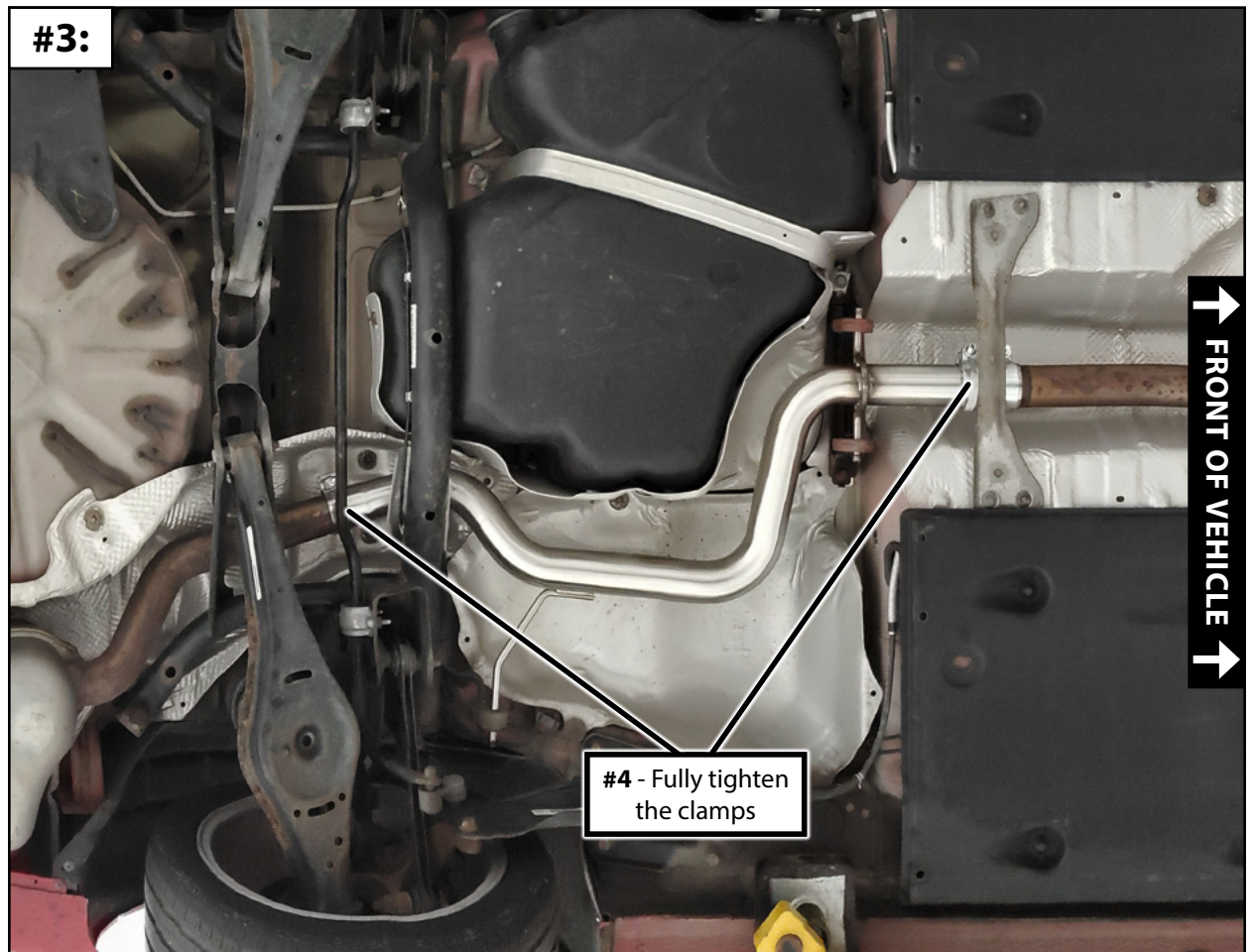
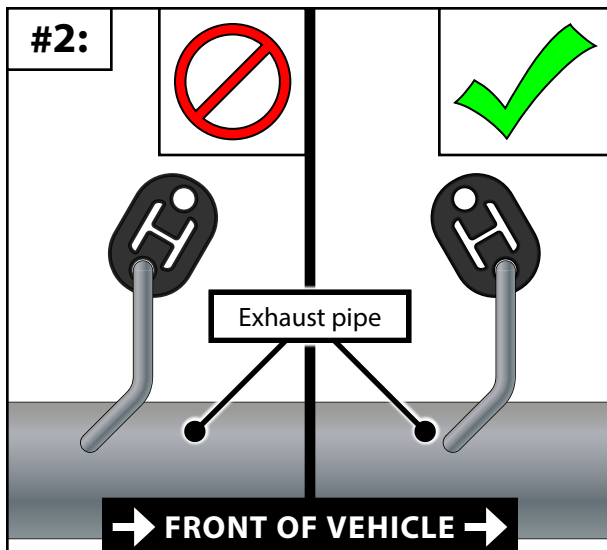
Slide the clamps onto the resonator delete pipe, then loosely install it into place (see the photo below). Ensure that the hanger rods are fully inserted into the rubber isolators. Center the sleeve clamp over the gap between the two pipes. Reinstall the brace and torque the nuts to 20 Nm. Reinstall the rear sway bar with new bolts, torque them to 20 Nm + 90°.



INSTALLING THE RESONATOR DELETE KIT

Step 7: 16mm 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 all adjusted you can 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 resonator delete kit installation is complete!

Your Resonator Delete Kit installation is complete!



These instructions are provided as a courtesy by ECS Tuning

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