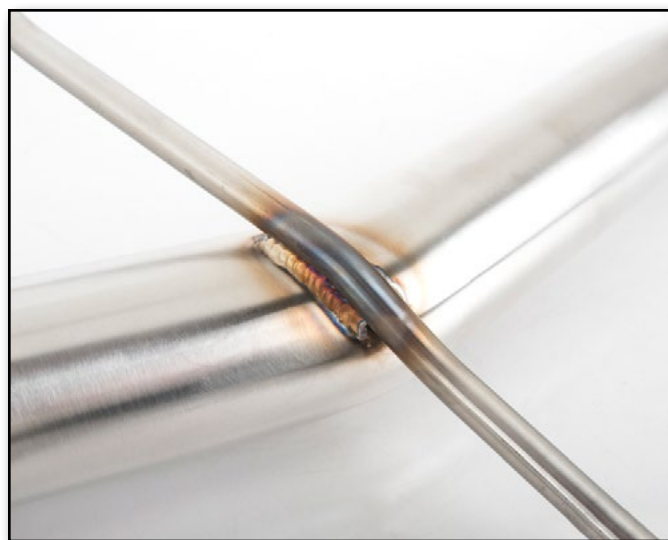
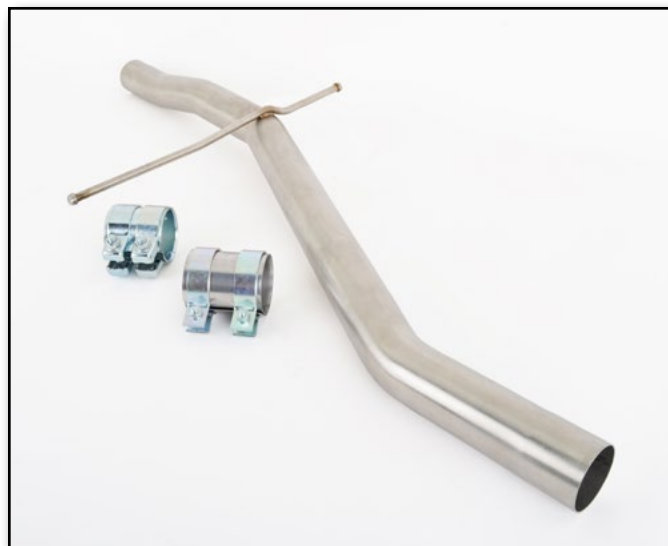




## Audi B8 A4 2.0T Center Resonator Delete Kit Installation Instructions - [ES3546964](#)



**Skill Level**  
**2 - Moderate**  
**Some Experience**  
**Recommended**



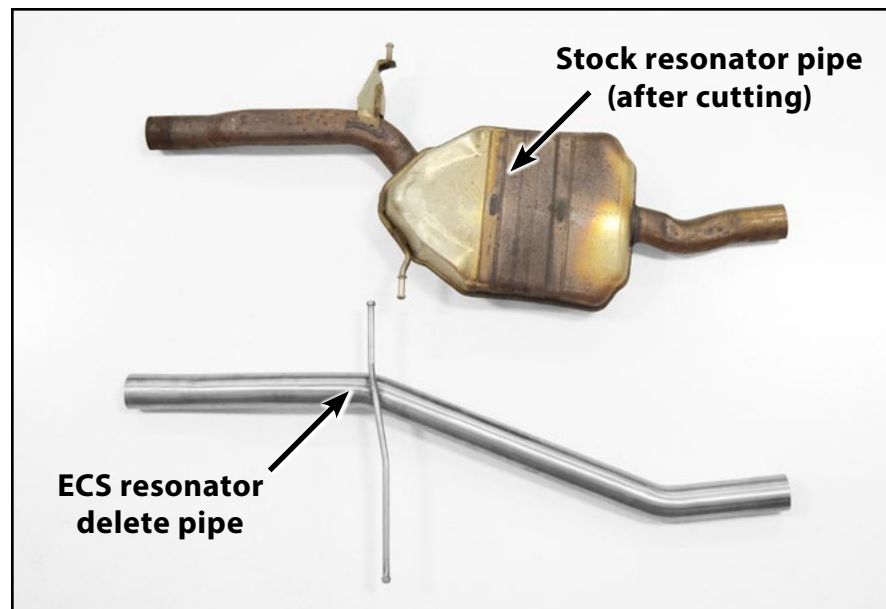
Proper service and repair procedures are vital to the safe, reliable operation of all motor vehicles as well as the personal safety of those performing the repairs. Standard safety procedures and precautions (including use of safety goggles and proper tools and equipment) should be followed at all times 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 Audi B8 A4 2.0T. This pipe has been designed by the engineering team at ECS Tuning to improve the flow of exhaust and give your B8 A4 2.0T a more aggressive sound without breaking the bank. This job requires only a few basic tools, so installation is a breeze! Patience and attention to detail are crucial for proper installation of this product, so take your time and enjoy the project.

The photo below shows the new ECS Tuning resonator delete pipe next to the stock resonator pipe for reference. We will walk you through how to measure and cut the stock resonator pipe out of the exhaust system, and our resonator delete pipe will be installed in its place. As you can see, the new pipe utilizes both of the factory rubber exhaust hangers, and we provide new sleeve clamps for a tight, leak-free seal.

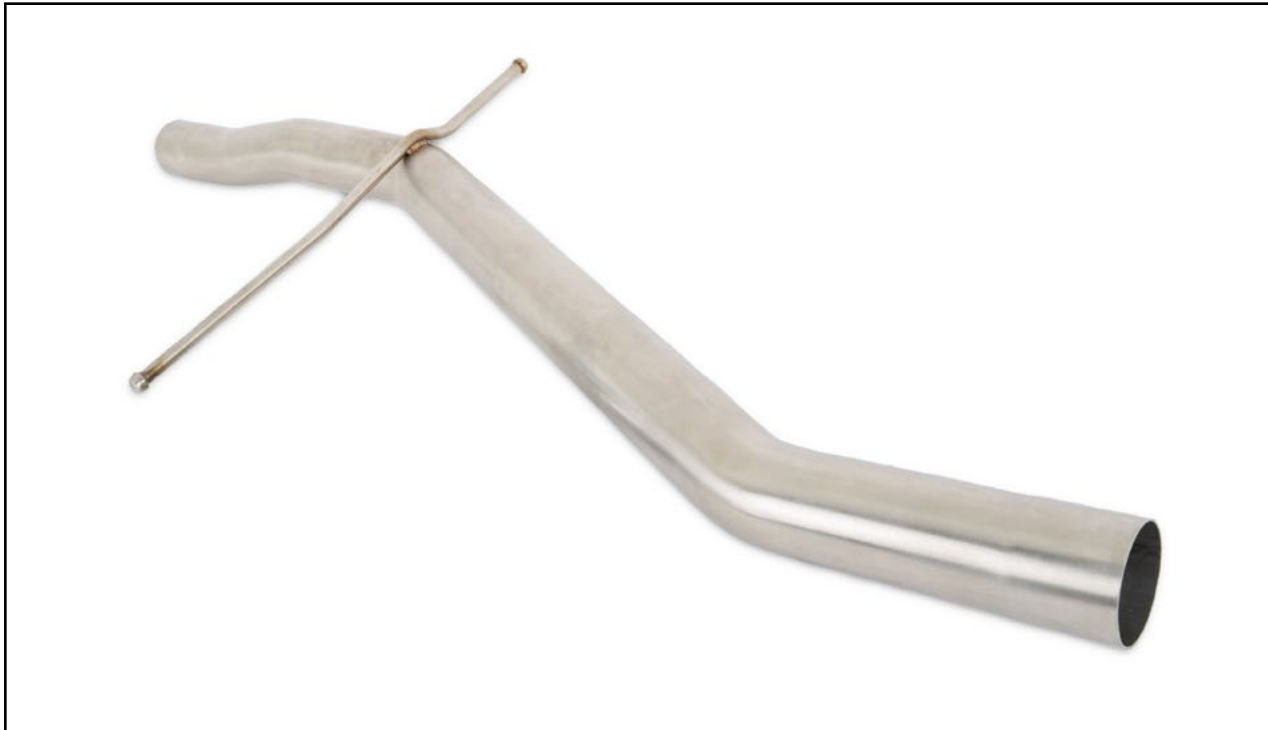


Be sure to read these instructions completely before you begin the project, and don't be afraid to refer back if you get stuck. Remember to check your measurements **BEFORE** you make any cuts, there is no turning back after that. Thank you for choosing ECS Tuning for all your performance and repair needs, we appreciate your business!

## TABLE OF CONTENTS

Required Tools and Equipment.....	<a href="#">pg.4</a>
Installation and Safety Information .....	<a href="#">pg.5</a>
Project Overview .....	<a href="#">pg.6</a>
Center Resonator Delete Kit Installation.....	<a href="#">pg.7</a>
Schwaben Tools .....	<a href="#">pg.18</a>

## KIT CONTENTS



Center Resonator Delete Pipe **(QTY 1)**



63.5mm ID Exhaust Sleeve **(QTY 1)**



65mm ID Exhaust Sleeve **(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#240941](#)
- 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.

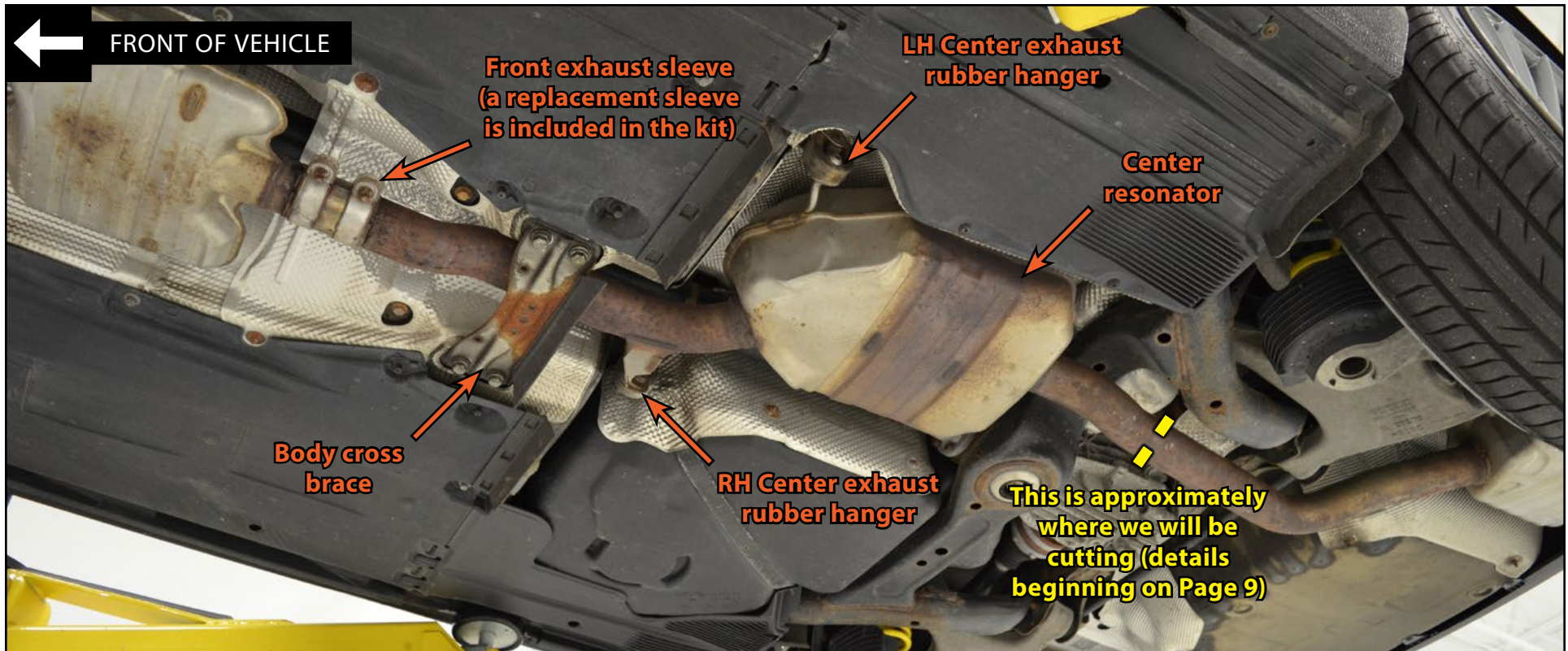
- Park your car in a safe, well lit, level area.
- Shut the engine off and remove the key from the ignition switch.
- Make sure any remote start devices are properly disabled.
- **ALWAYS** wear safety glasses.
- Make sure the parking brake is applied until the vehicle is safely lifted and supported.
- 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.



## PROJECT OVERVIEW



This photo shows the exhaust components we will be working on and what we'll be calling them. Here's an overview of the installation procedure:

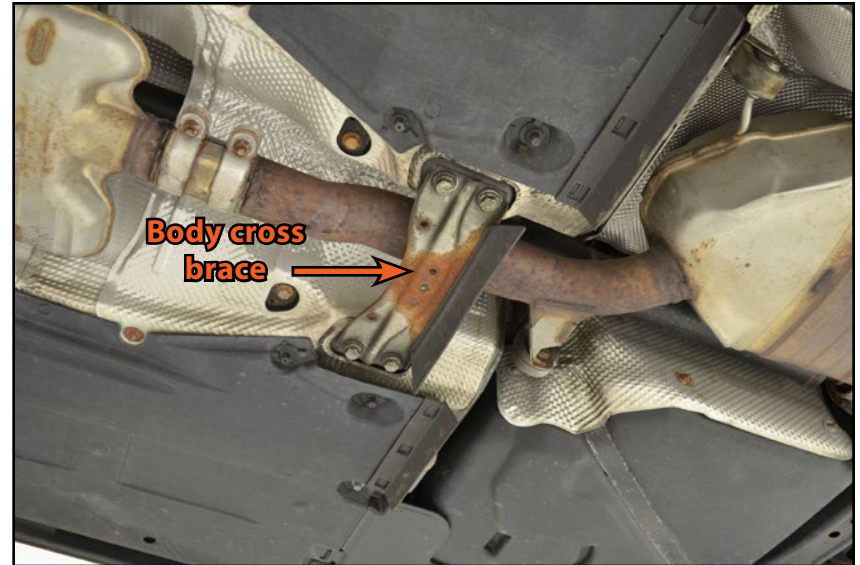
1. Measure and cut the stock exhaust pipe.
2. Remove the center resonator.
3. Install the center resonator delete pipe.
4. Adjust the system for proper fitment.
5. Tighten all clamps and hardware.

***Now let's get to it!***

## CENTER RESONATOR DELETE KIT INSTALLATION

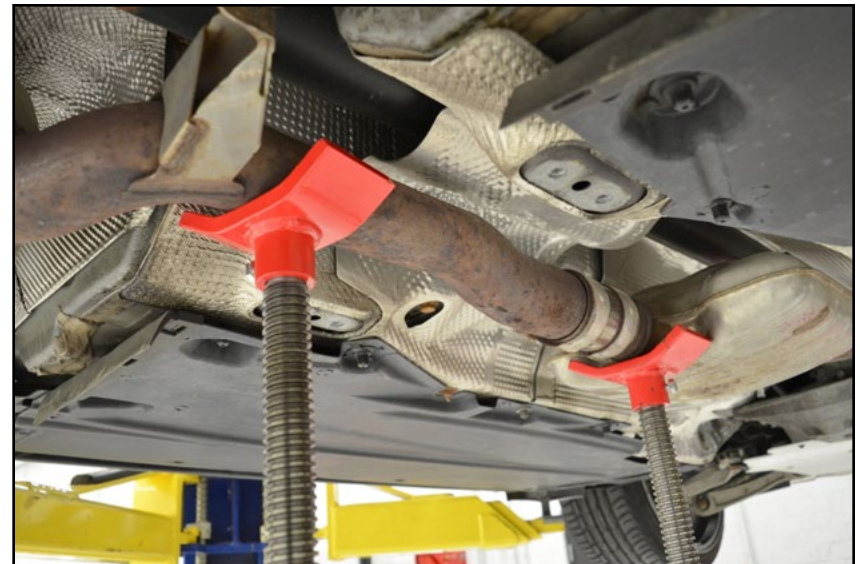
### Step 1: 16mm Socket & Ratchet

Remove the four bolts from the body cross brace and remove it from the vehicle.



### Step 2:

Support the exhaust system from below with jack stands or other suitable support stands.





## CENTER RESONATOR DELETE KIT INSTALLATION

### Step 3: Exhaust Hanger Removal Pliers

Remove the RH center rubber hanger from the stock exhaust pipe, leaving it attached to the body.



### Step 4: Exhaust Hanger Removal Pliers

Remove the LH center rubber hanger from the stock exhaust pipe, leaving it attached to the body.

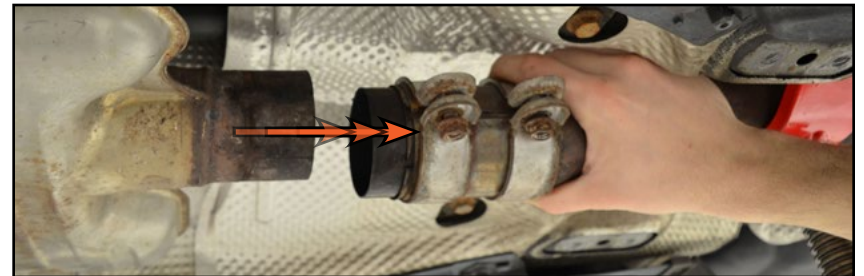
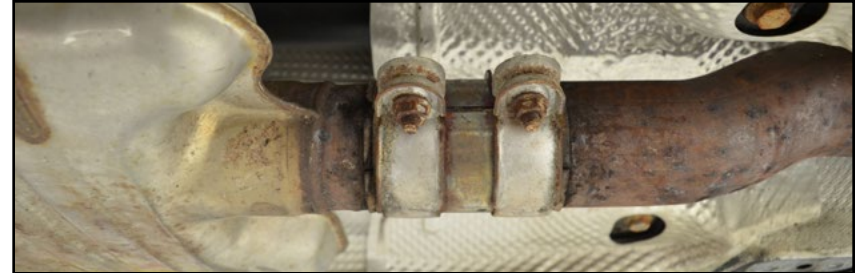




## CENTER RESONATOR DELETE KIT INSTALLATION

### Step 5: 13mm Socket & Ratchet

Loosen both nuts on the front exhaust sleeve, then slide it rearward onto the stock pipe as far as you can.



### Step 6:



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 pipe has been cut, so measure twice, cut once!

**BEFORE** cutting anything, lift the new ECS center resonator delete pipe into place against the stock exhaust pipe. We have found that mechanic's wire works great during these steps. Be sure to completely read the next two pages before proceeding.



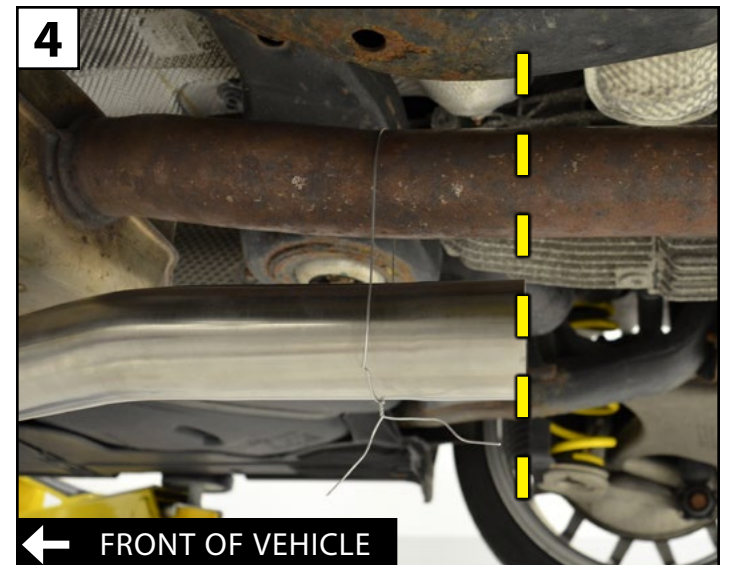
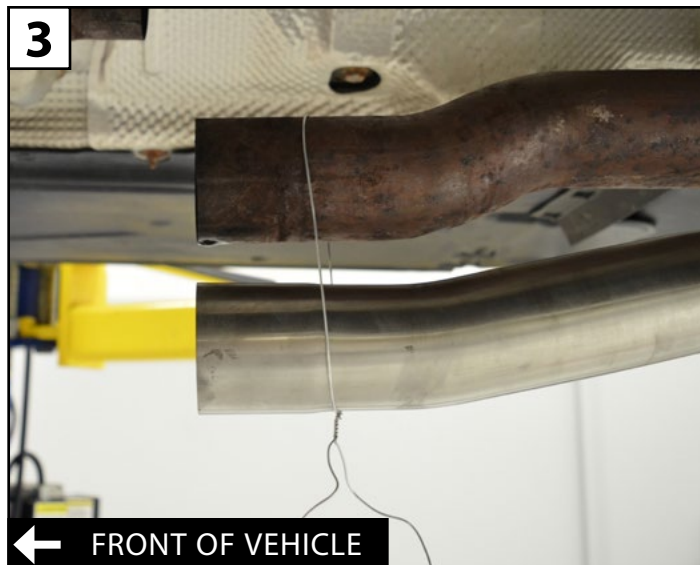
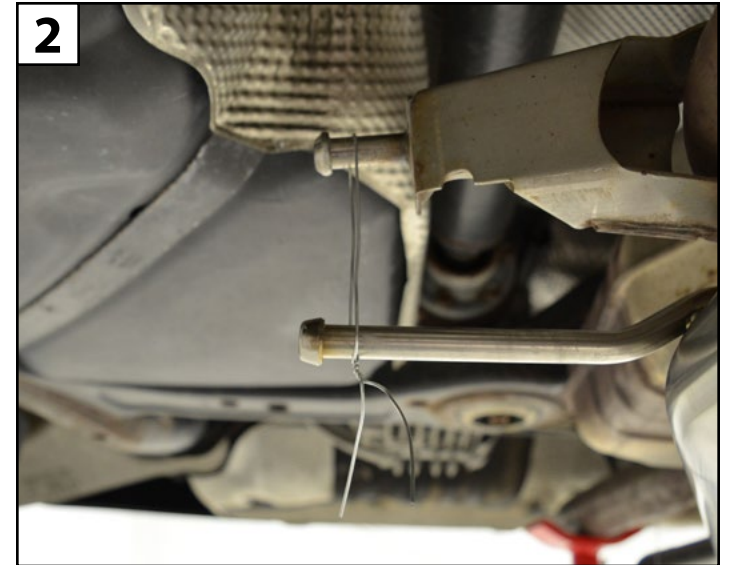
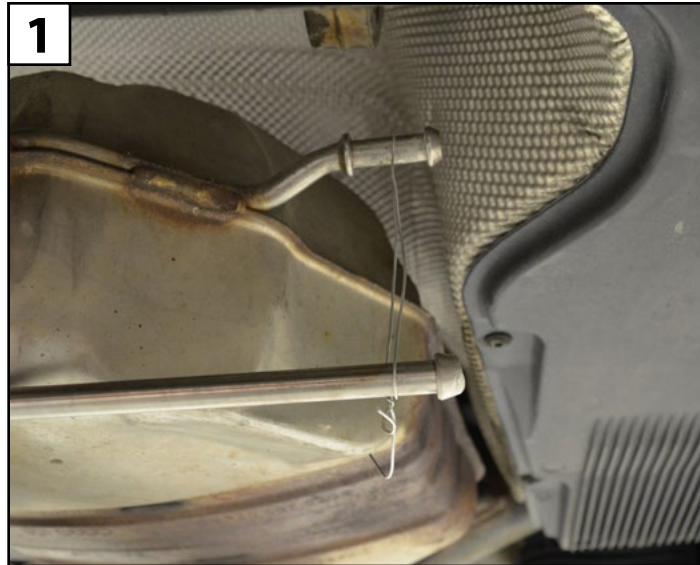
## CENTER RESONATOR DELETE KIT INSTALLATION

### Step 7:

Align each end of the exhaust hanger rod on the stock exhaust pipe with the rod on the center resonator delete pipe (photos #1 & #2), then align the front edges of the two pipes (photo #3).

Once the two pipes have been lined up, you can draw an imaginary line from the rear edge of the center resonator delete pipe up to the stock exhaust pipe (photo #4), this is approximately where we need to cut the stock pipe.

Proceed to Step 8 for further instructions **BEFORE** you cut anything.



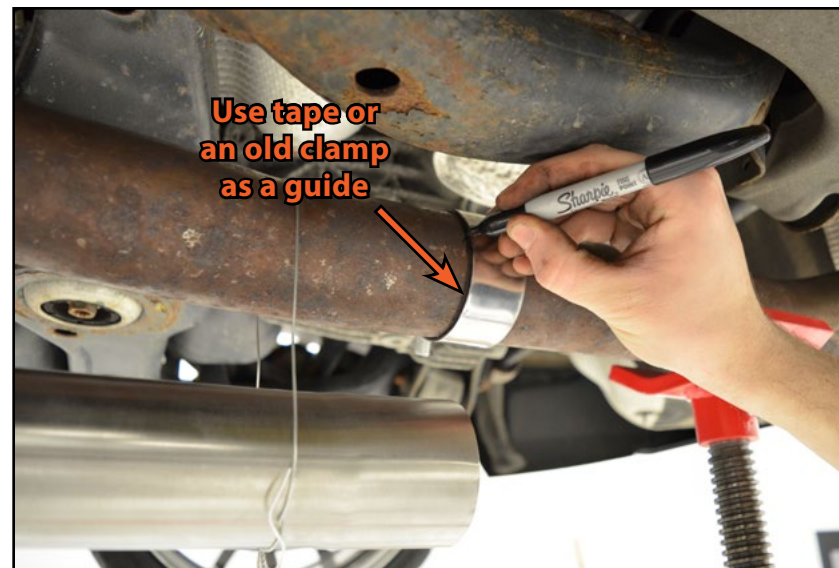
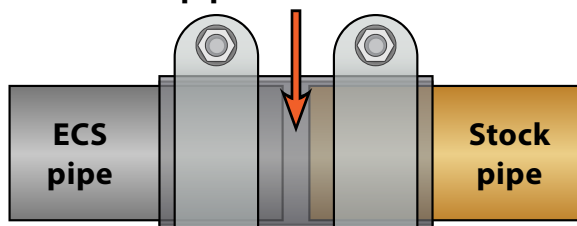


## CENTER RESONATOR DELETE KIT INSTALLATION

### Step 8:

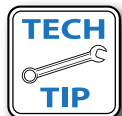
Keep in mind that there needs to be a small gap between the two pipes once installed, so you will need to cut the stock pipe  $\frac{1}{8}$ "- $\frac{1}{4}$ " downstream of the imaginary line we drew in step 7. Make a mark all the way around the stock pipe where you plan to cut, we like to use an old clamp as a guide for this.

**Small gap between the two pipes once installed**



### Step 9: Exhaust Pipe Cutter

Cut the stock exhaust pipe along the line we marked in step 8, being sure to make your cut as straight as possible.



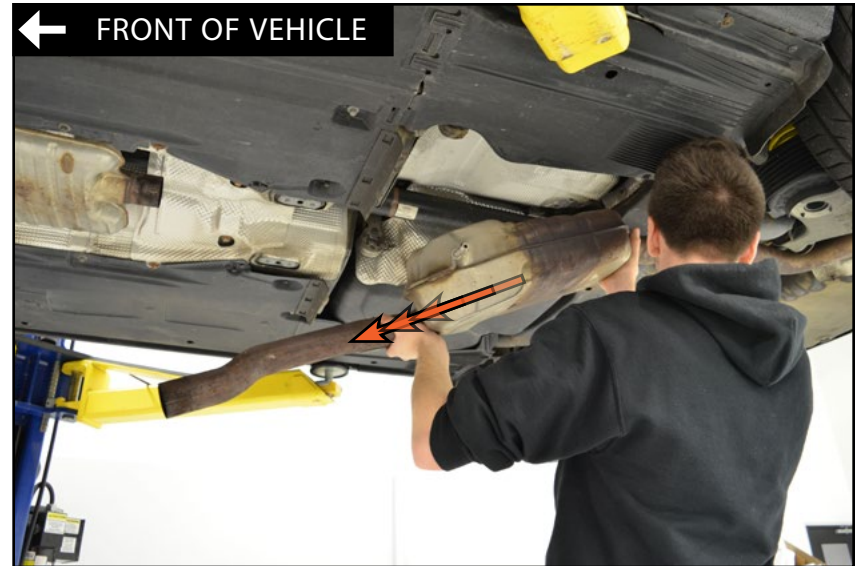
A reciprocating saw with a metal cutting blade can also work very well here, just make sure that the blade doesn't damage any nearby components while you're making your cut.



## CENTER RESONATOR DELETE KIT INSTALLATION

### Step 10:

Remove the stock exhaust pipe from the vehicle by first lowering the front, then sliding the entire unit down and out as shown in the photo. Remove and discard the front exhaust sleeve.



### Step 11: Die Grinder - OR - Metal File

Remove any burrs from the inside and the outside of the stock exhaust pipe, this will ensure a proper fit and seal once the new pipe is installed.

Slide the new 63.5mm exhaust sleeve onto the rear exhaust section still on the vehicle, making sure that the sleeve "ear" will be positioned on the RH side of the vehicle, and the nuts will be facing downward once it is installed.





## CENTER RESONATOR DELETE KIT INSTALLATION

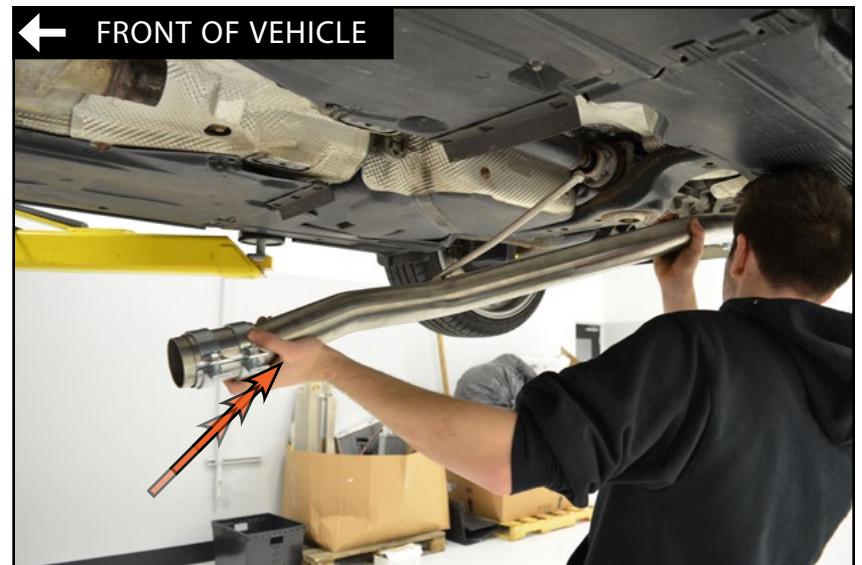
### Step 12:

Slide the new 65mm exhaust sleeve onto the front of the new pipe, making sure that the sleeve "ear" will be positioned on the RH side of the vehicle, and the nuts will be facing downward once it is installed.



### Step 13:

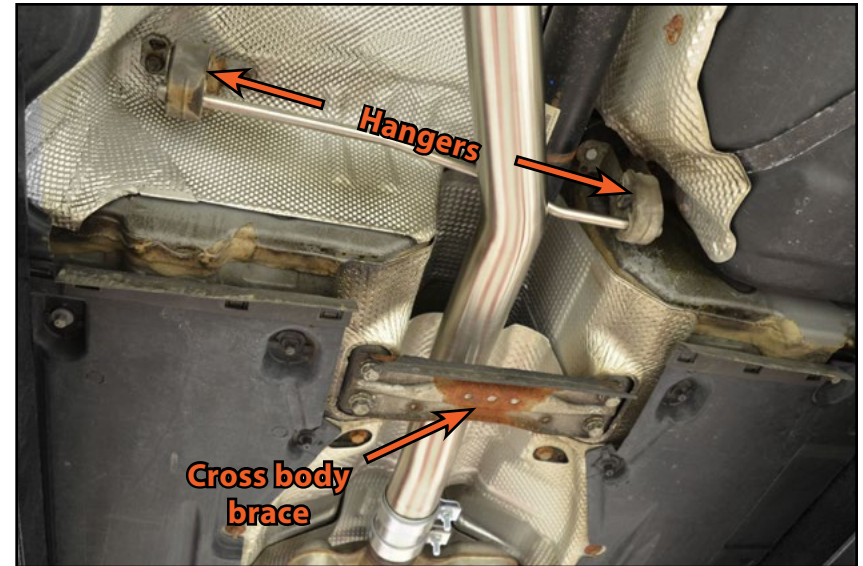
Lift the new pipe into position as shown, guiding it into the 63.5mm exhaust sleeve, then continue to the next page.



## CENTER RESONATOR DELETE KIT INSTALLATION

### Step 14: 16mm Socket & Ratchet

Slide the rubber hangers onto the new pipe to hold it in place, then reinstall the body cross brace.



### Step 15:

Slide the exhaust sleeves into position so they cover the gaps between the new pipe and the stock exhaust sections, then tighten the sleeve nuts until they make contact, but leave everything loose enough to allow for adjustment.

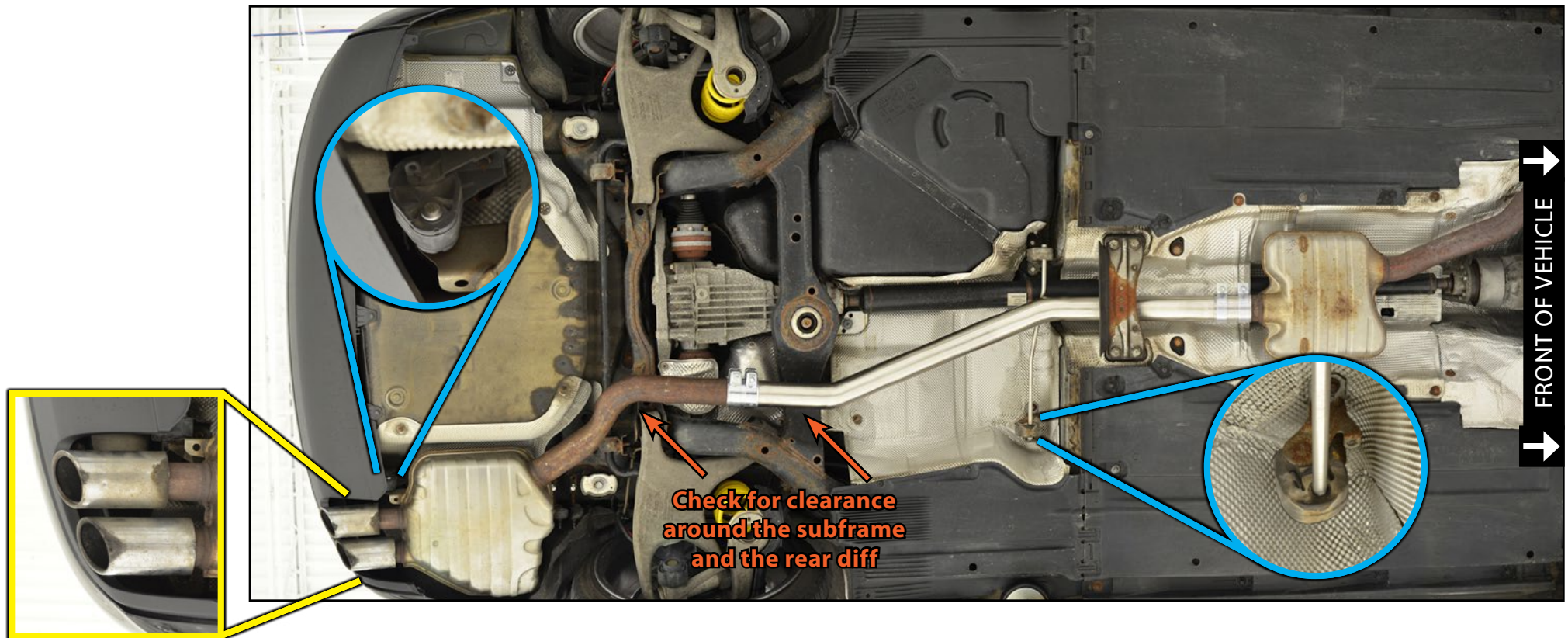


## CENTER RESONATOR DELETE KIT INSTALLATION

### Step 16:

Before tightening any of the sleeves, read the adjustment tips below. Keep in mind that this takes some trial and error, it may take some patience in order to:

- Achieve maximum clearance between the exhaust system and surrounding components such as the cross brace, rear subframe, and the rear differential.
- Ensure that all of the exhaust hangers are all angled forward slightly to allow for heat expansion (shown in the **BLUE** inset photos below, more details in step 19 on Page 17).
- Ensure that the rear section of the exhaust is properly aligned, this can easily be checked by looking at the exhaust tips and seeing if they are sitting parallel to the rear of the vehicle (shown in the **YELLOW** inset photo below).

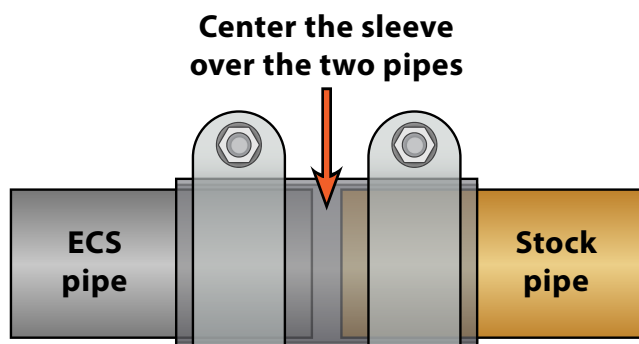




# CENTER RESONATOR DELETE KIT INSTALLATION

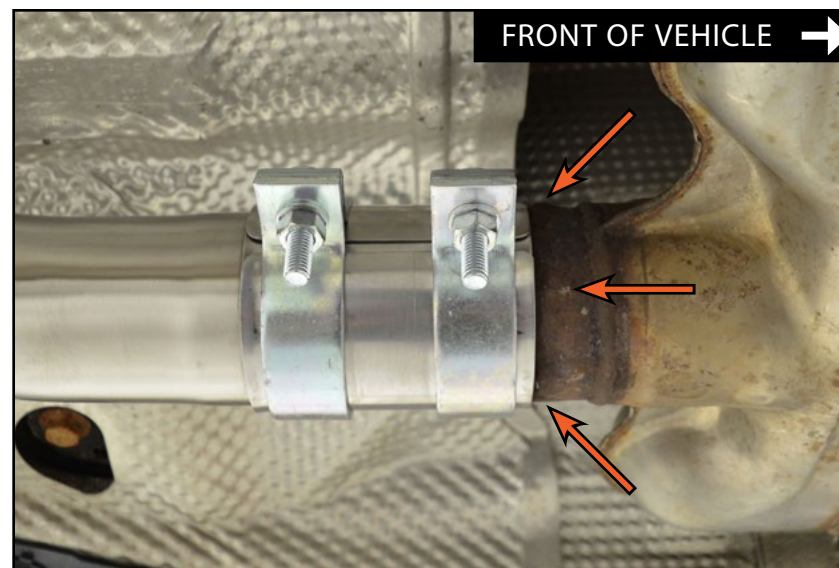
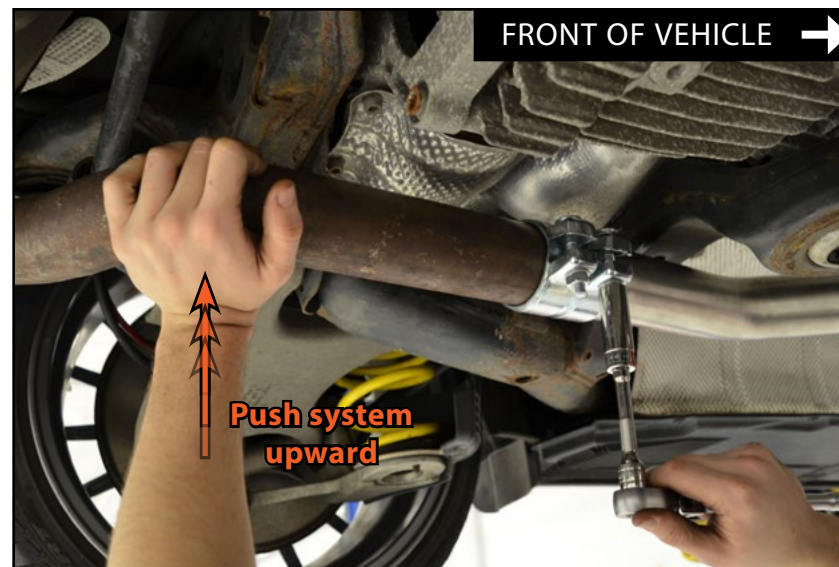
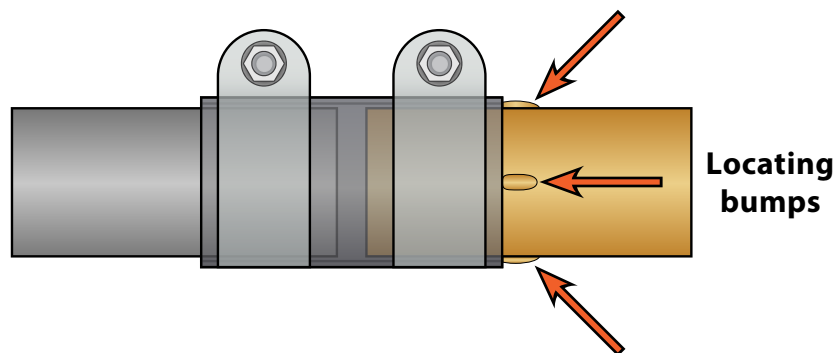
## Step 17: 17mm Socket & Ratchet

Center the rear exhaust sleeve between the resonator delete pipe and the rear exhaust section (shown below), then push upwards (for maximum ground clearance) and tighten the sleeve nuts. After tightening, the system will settle to a natural rest state.



## Step 18:

Slide the new front exhaust sleeve forward until it comes into contact with the locating bumps on the downpipe (shown with arrows in the illustration below and the photo on the right).

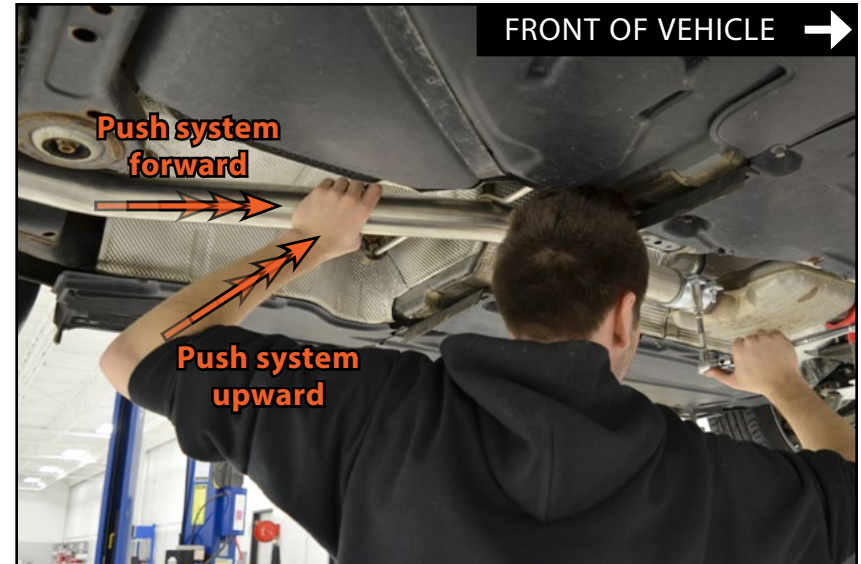




## CENTER RESONATOR DELETE KIT INSTALLATION

### Step 19: 13mm Socket & Ratchet

Push the entire exhaust system forward and upward while tightening the front exhaust sleeve nuts, this will help angle the exhaust hangers forward, allowing the exhaust to move as required when it expands and contracts.



### Step 20:

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

After approximately 500 miles, be sure to inspect the system for signs of leaks, and ensure that all of the sleeves are tight.

***Your Center Resonator Delete Kit installation is complete!***



## SCHWABEN - BUILD THE ULTIMATE TOOL COLLECTION

At ECS Tuning, we carry a line of high quality Schwaben Tools and Equipment to help you build your ultimate tool collection. Never before has affordability and quality been so closely related. Our entire Schwaben line is subjected to strict in house testing for strength and durability. See what we have to offer and equip your garage without breaking the bank.

## Your Center Resonator Delete Kit 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.

Although this material has been prepared with the intent to provide reliable information, no warranty (express or implied) is made as to its accuracy or completeness. Neither is any liability assumed for loss or damage resulting from reliance on this material. SPECIFICALLY, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER WARRANTY IS MADE OR TO BE IMPLIED WITH RESPECT TO THIS MATERIAL. In no event will ECS Tuning, Incorporated or its affiliates be liable for any damages, direct or indirect, consequential or compensatory, arising out of the use of this material.