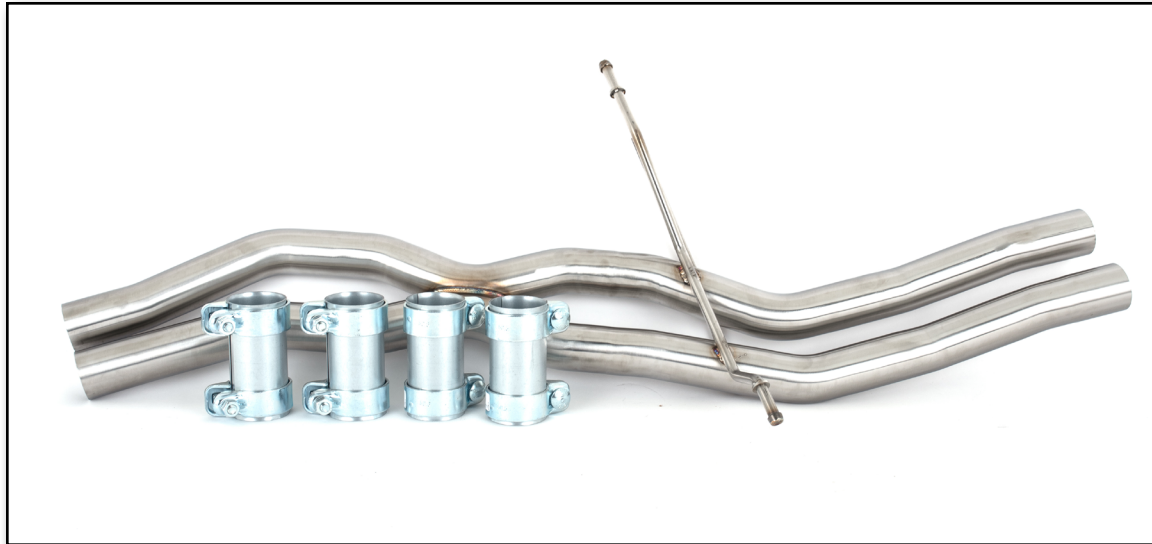
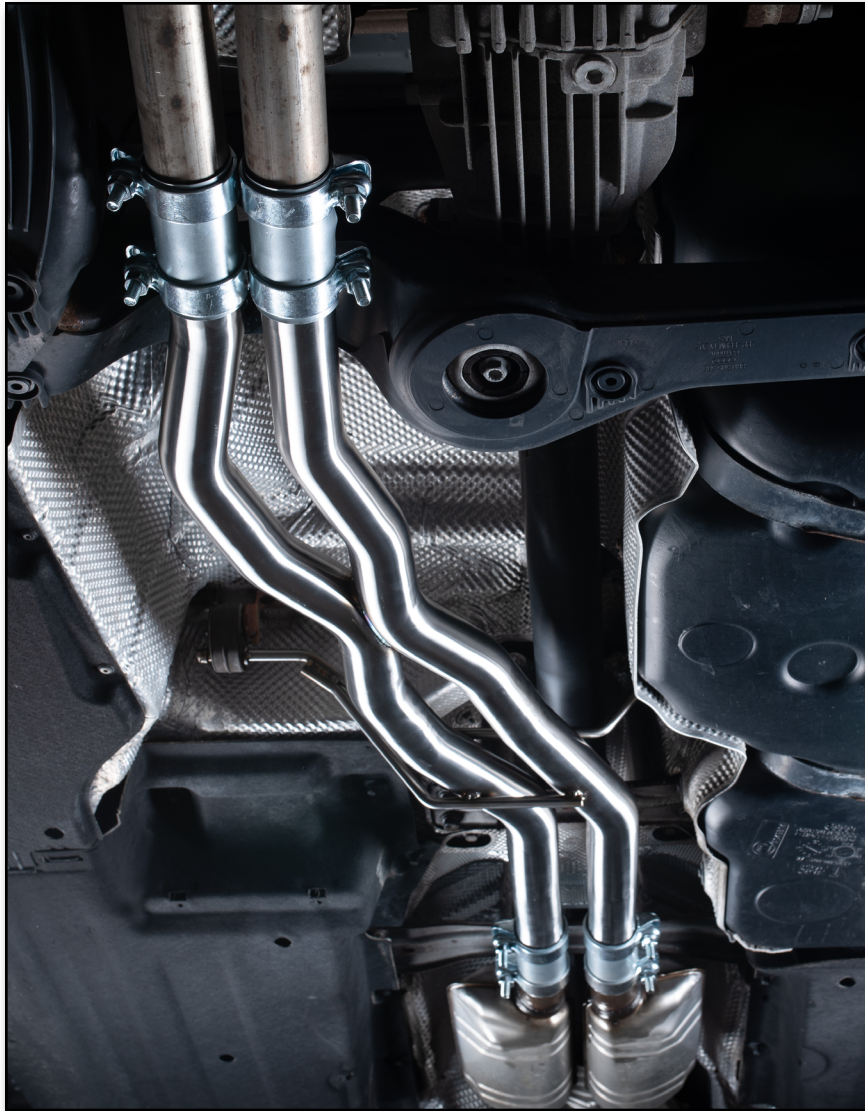




Audi B8 Q5 3.0T X-Pipe
Installation Instructions - [ES4212721](#)

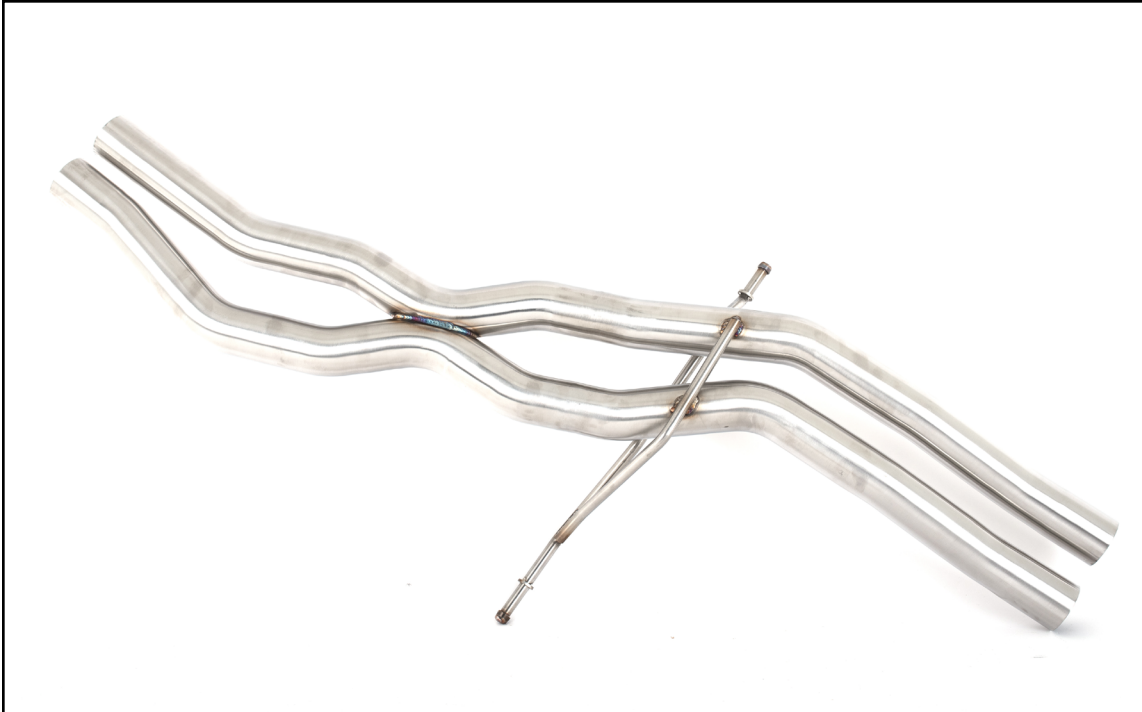


Skill Level
2 - Moderate
Some Experience
Recommended



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.

KIT CONTENTS



ECS X-Pipe (QTY 1)



55mm Exhaust Sleeve (QTY 4)

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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](#)
- **Reciprocating Saw**
- **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

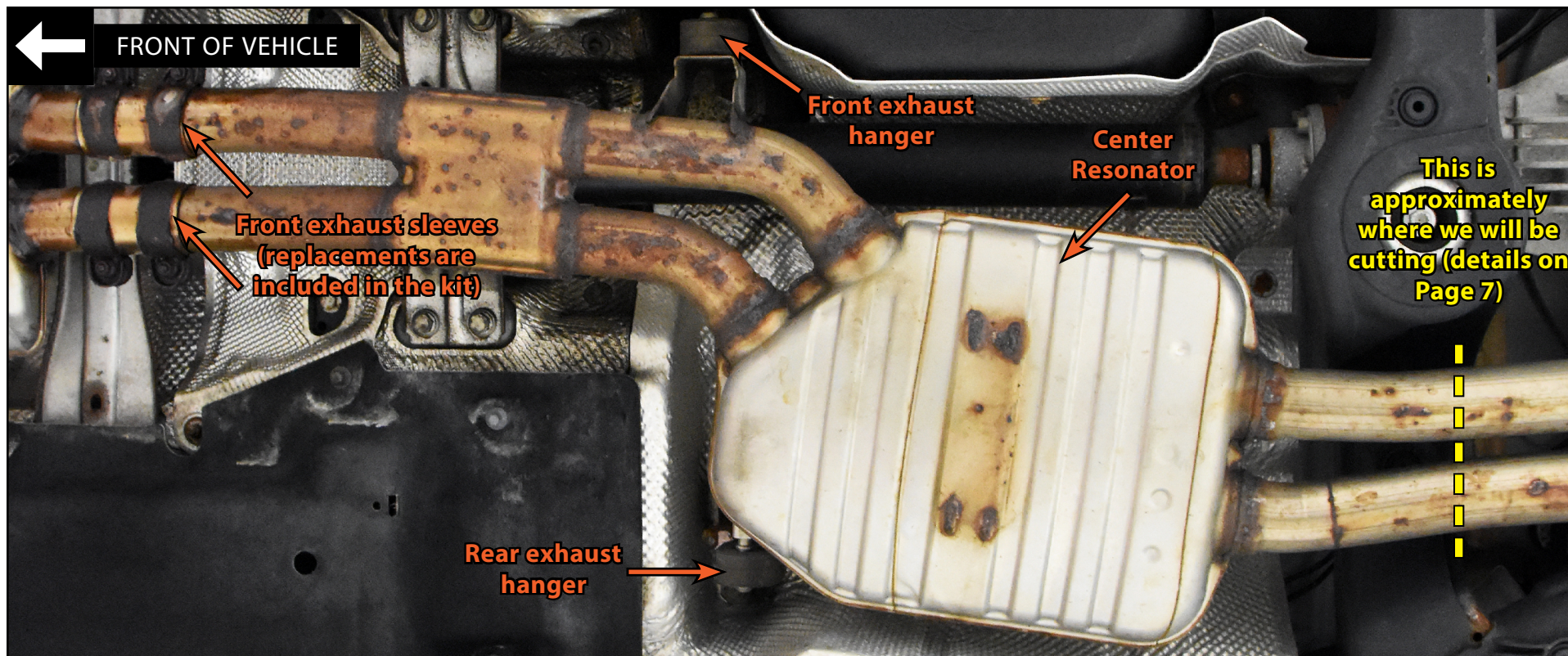
ECS Tuning cares about your health and safety, please read the following safety information. This information pertains to automotive service in general, and while it may not pertain to every job you do, please remember and share these important safety tips.

- 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. Remove the stock exhaust sleeves
2. Mark and cut the stock exhaust pipes.
3. Remove the center resonator.
4. Install the new X-pipe.
5. Ensure proper fitment.
6. Tighten the clamps.

Now let's get to it!

REMOVING THE CENTER RESONATOR

Step 1:

Before removing the center resonator, properly support both ends of the exhaust so that it does not hang and cause damage.



Step 2: 13mm Socket & Ratchet

Loosen the two nuts on each stock exhaust sleeve until they are loose and rotate freely, then slide them rearward onto the resonator pipe to separate the two exhaust sections.



REMOVING THE CENTER RESONATOR

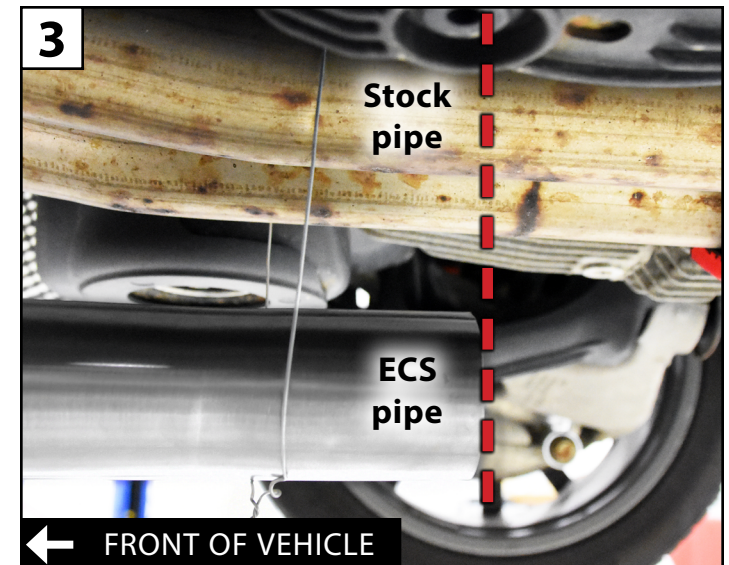
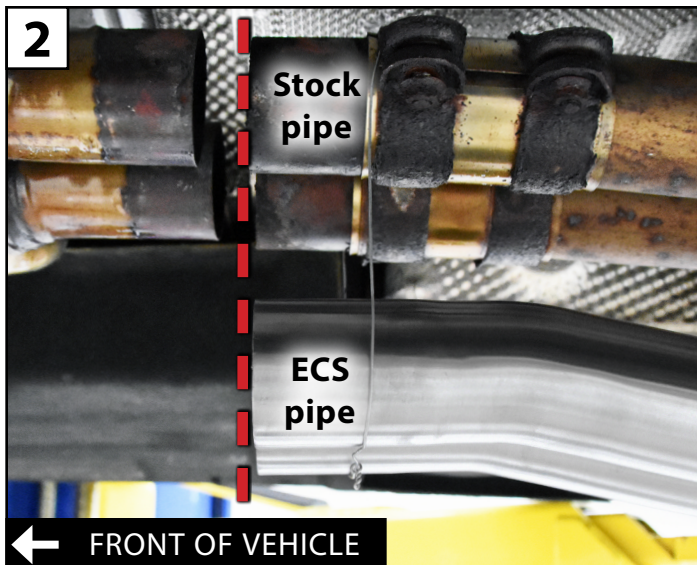
Step 3: Mechanic's Wire

1 - Lift the new ECS X-Pipe up to the center resonator and secure it up using mechanics wire.

2 - Align the front edges of the two pipes.

3 - Looking at the rear end of the pipe you can see where we will be cutting the resonator pipes. Using a marker or masking tape, make a mark on both stock exhaust pipes where the ends of the x-pipe line up.

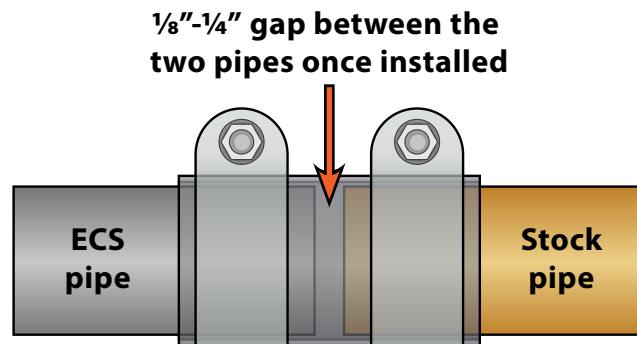
Proceed to the next step **BEFORE** making any cuts.



REMOVING THE CENTER RESONATOR

Step 4: Marker

Using the mark we made in the previous step, make a line all the way around both stock pipes where you plan to cut. Keep in mind that there should be a small gap between the two pipes to allow for heat expansion.



Step 5: 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!

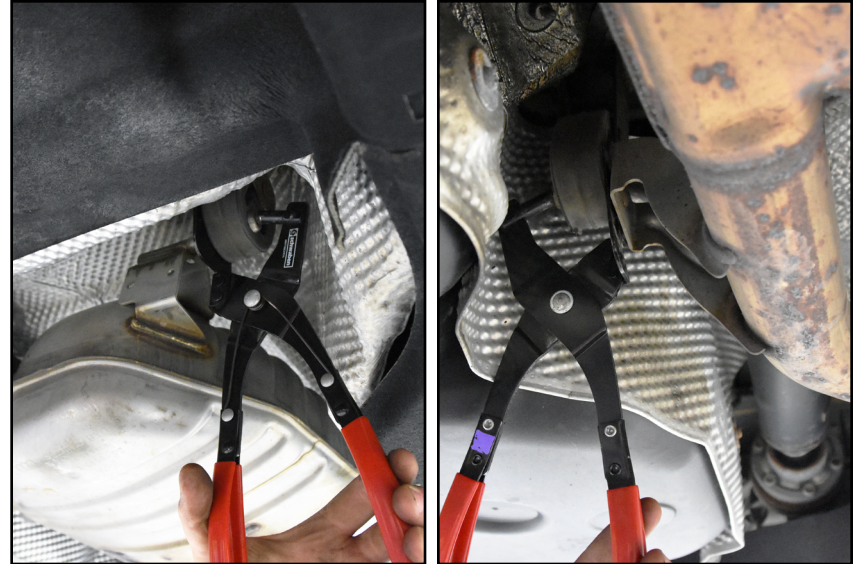
Make sure you properly secure the exhaust to prevent it from falling during cutting. Then, using a reciprocating saw or other appropriate cutting tool, cut along the line we made in the previous step, being sure to cut as straight as possible until you cut all the way through the pipe. Then, using the same method, cut the other pipe to free the center resonator from the rest of the exhaust.



REMOVING THE CENTER RESONATOR

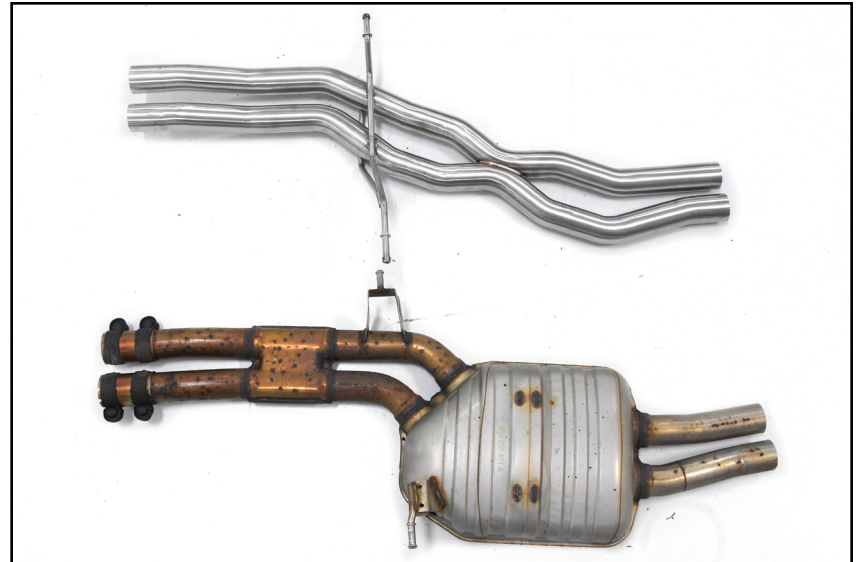
Step 6: Exhaust Hanger Removal Pliers

Remove the two exhaust hangers from the center resonator, then carefully remove it from the vehicle.



Step 7:

Best practice is to always compare the removed parts to the new ones, to ensure proper orientation and interchangeability. Compare the stock resonator with the new ECS X-pipe to ensure that the mounting hangers line up.



INSTALLING THE X-PIPE

Step 1: Metal File or Die Grinder

Use a metal file or die grinder to remove any burrs from the exhaust pipes that we cut, this will ensure a proper fit and seal once the X-pipe is installed.



Step 2:

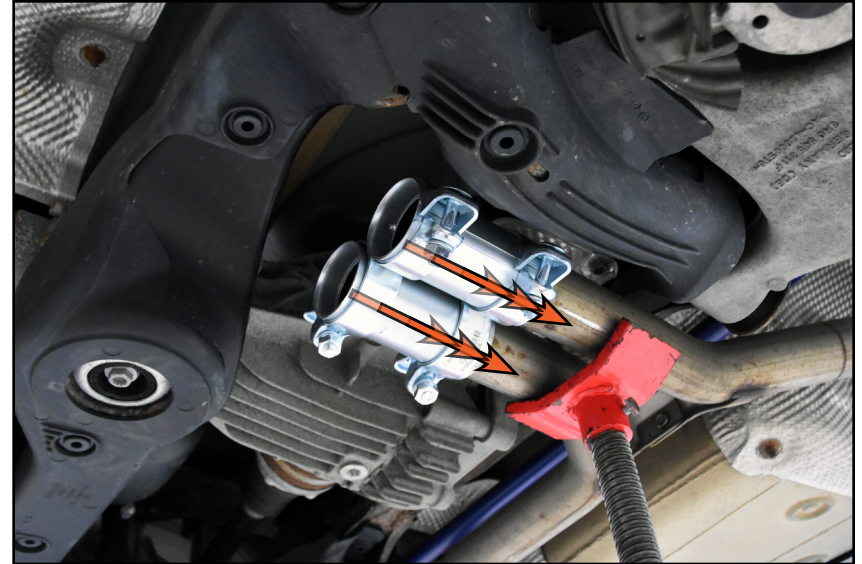
Slide two of the provided sleeve clamps onto the front end of the X-pipe with the nuts facing downward.



INSTALLING THE X-PIPE

Step 3:

Slide the other two sleeve clamps on the cut ends of the stock pipes with the nuts facing downward.



Step 4:

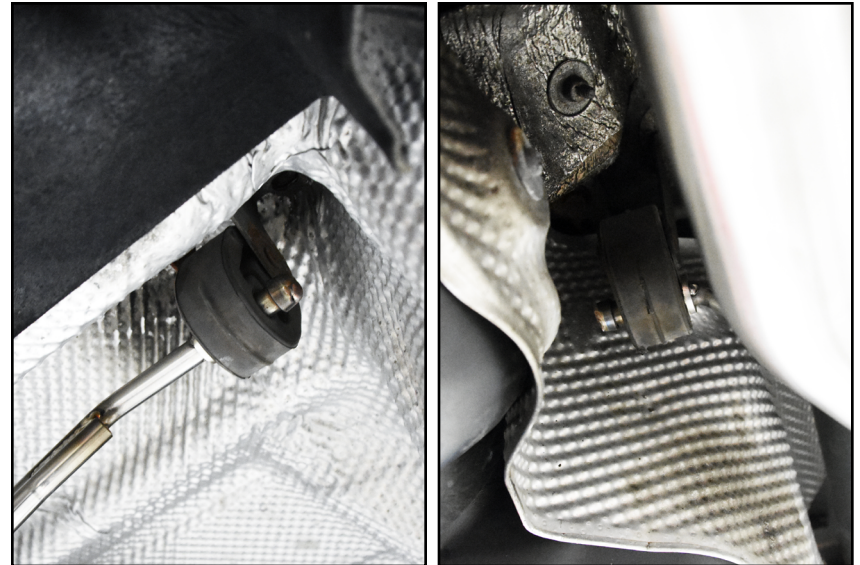
Lift the new X-pipe into place, sliding the exhaust sleeves into position so they cover the gaps between the X-pipe and the stock exhaust sections. Leave the clamps loose enough to allow for adjustment.



INSTALLING THE X-PIPE

Step 5:

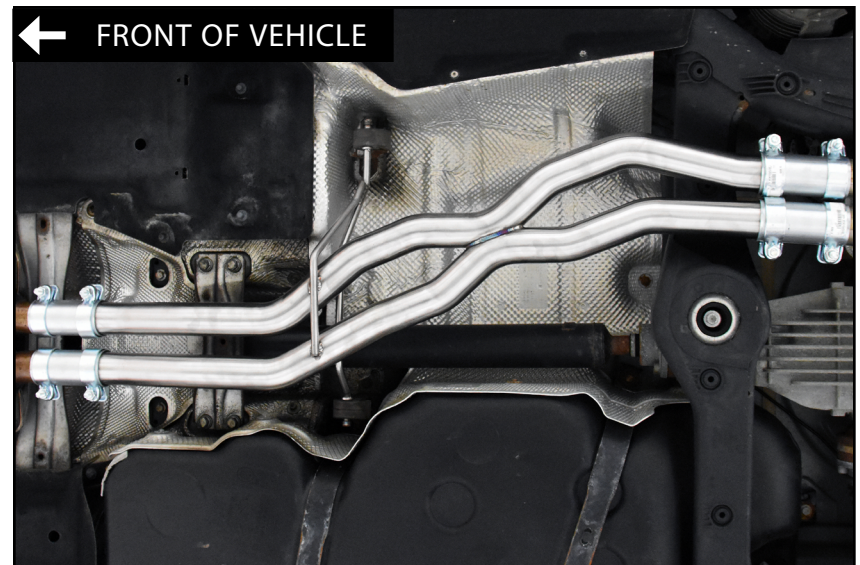
Install the exhaust hangers to hold the pipe in place while installing the exhaust clamps.



Step 6:

Before tightening the clamps:

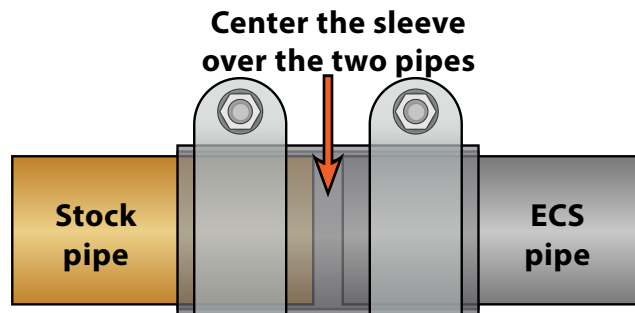
- Ensure there is adequate clearance around the pipes
- Ensure that all of the exhaust hangers are all angled forward slightly to allow for heat expansion
- Ensure that the rear section of the exhaust is properly aligned, this can easily be checked by looking at the exhaust tips and seeing if they are sitting parallel to one another



INSTALLING THE X-PIPE

Step 7: 17mm Socket & Ratchet

Center the rear exhaust sleeves between the X-pipe and the rear exhaust section (shown below), then push the system upward and tighten down the rear sleeve nuts. After tightening, the system will settle to a natural rest state.



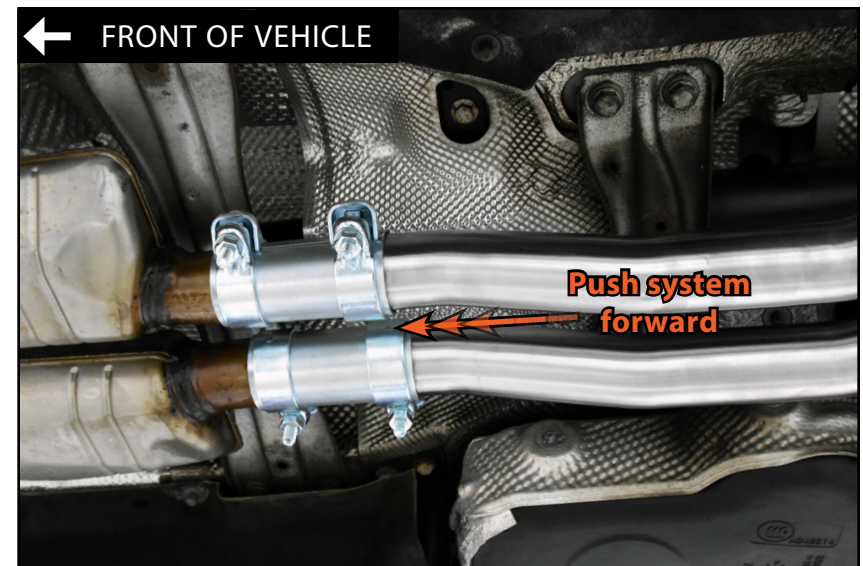
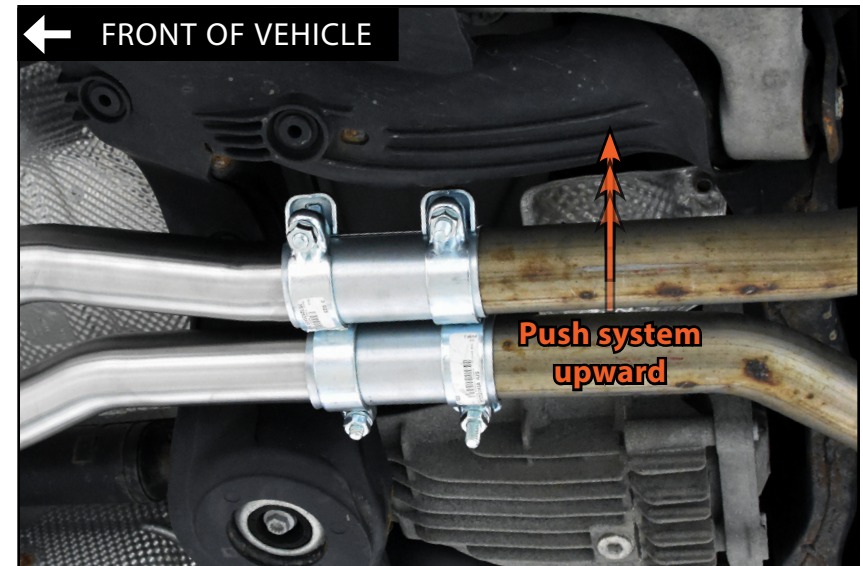
Step 8: 17mm Socket & Ratchet

Push the whole exhaust system forward while securing front exhaust sleeve, this will help angle the exhaust hangers forward to allow for heat expansion. Once tightened, the system will settle to its final resting position.

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.

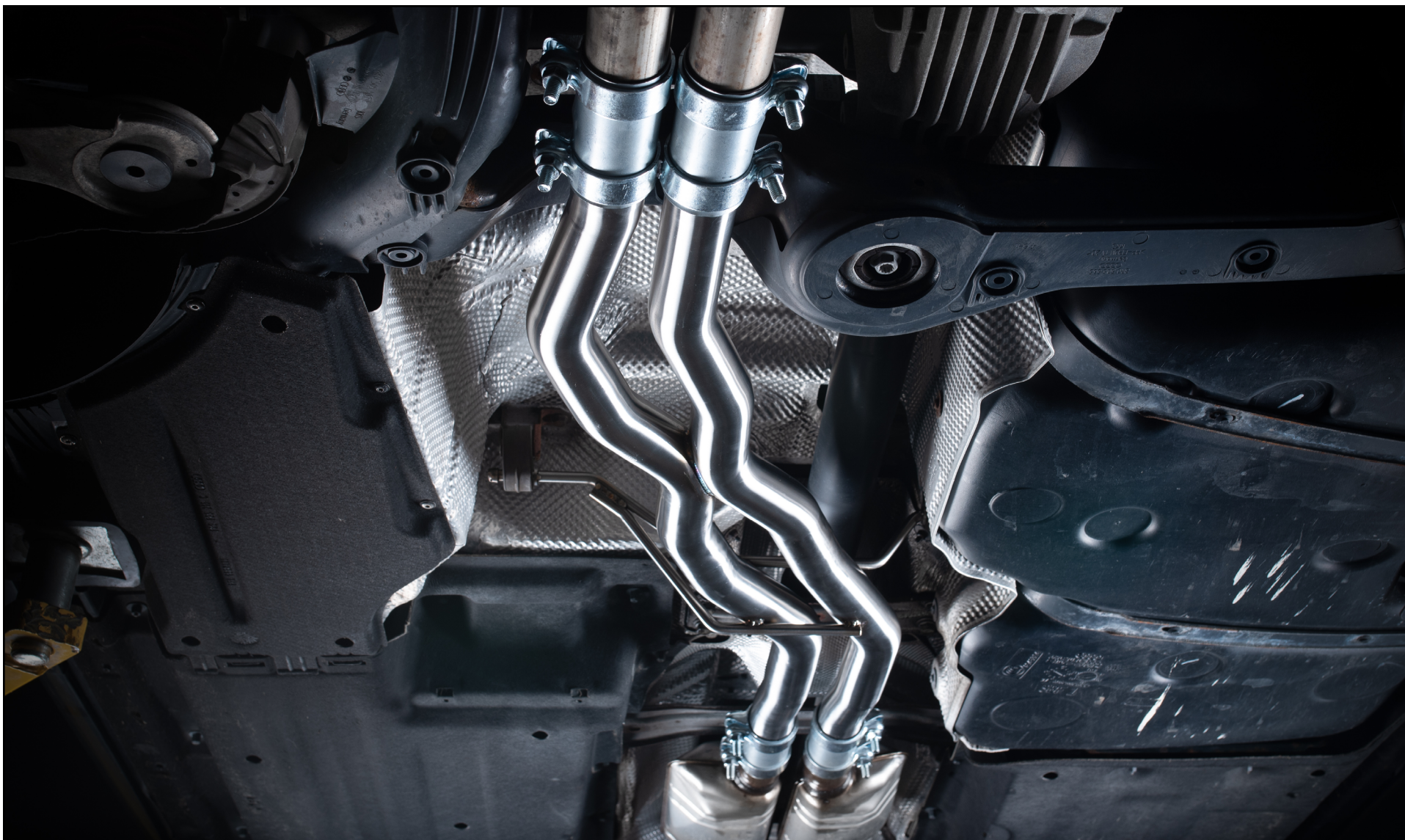
Congratulations, your installation is complete!



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 X-Pipe 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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