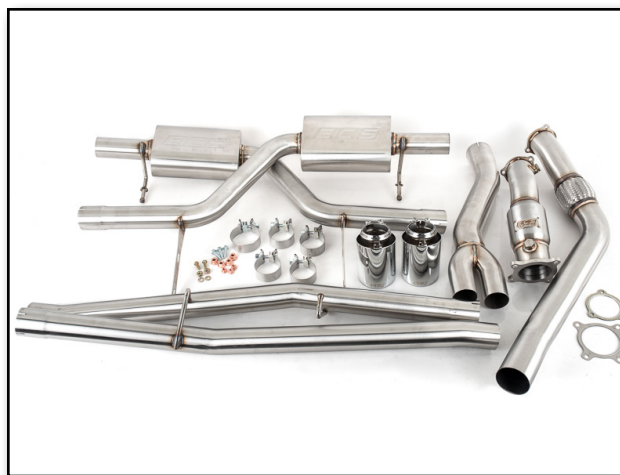




**Audi B6/B7 A4 Exhaust System**  
**Installation Instructions - [Click HERE to Shop](#)**



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

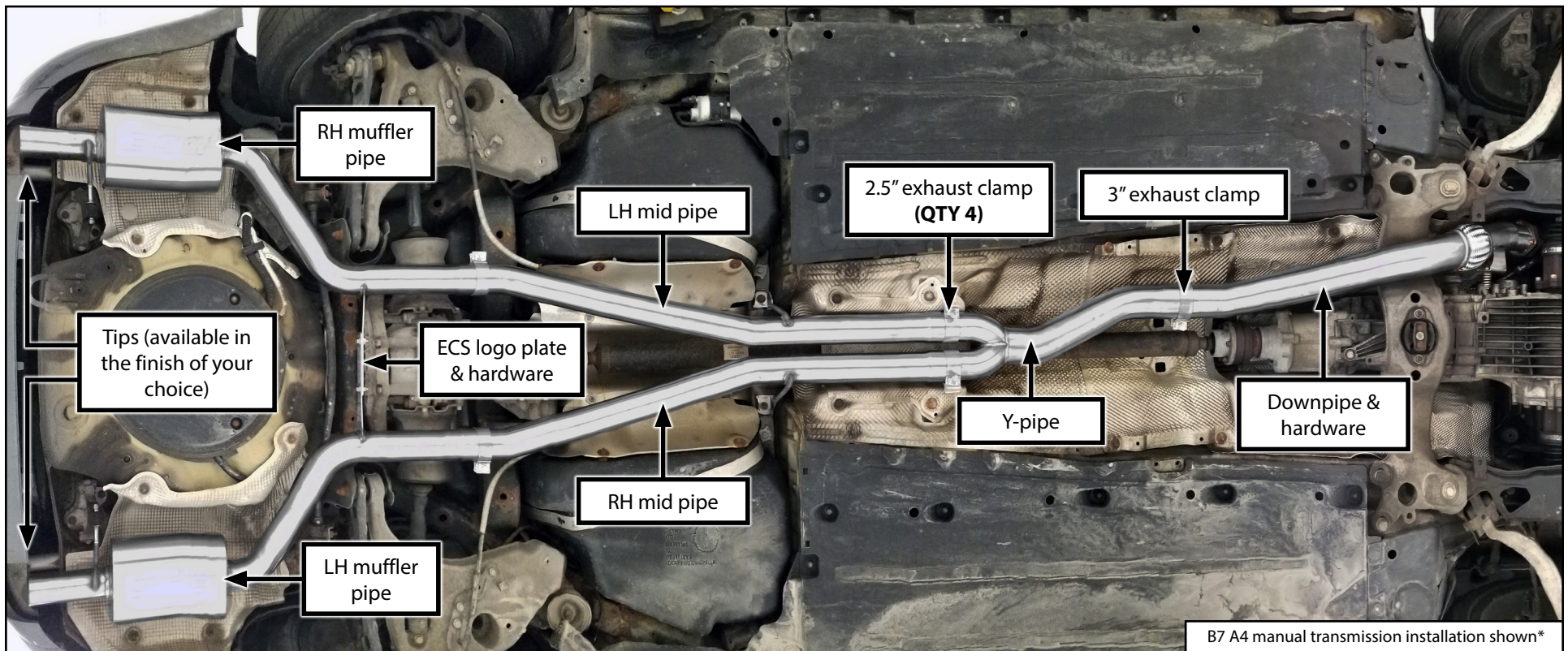


Proper service and repair procedures are vital to the safe, reliable operation of all motor vehicles as well as the personal safety of those performing the repairs. Standard safety procedures and precautions (including use of safety goggles and proper tools and equipment) should be followed at all times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

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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

- **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](#)

### Available On Our Website

### Specialty Tools

- **Exhaust Hanger Removal Pliers** ..... [ES#2784927](#)

## 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.



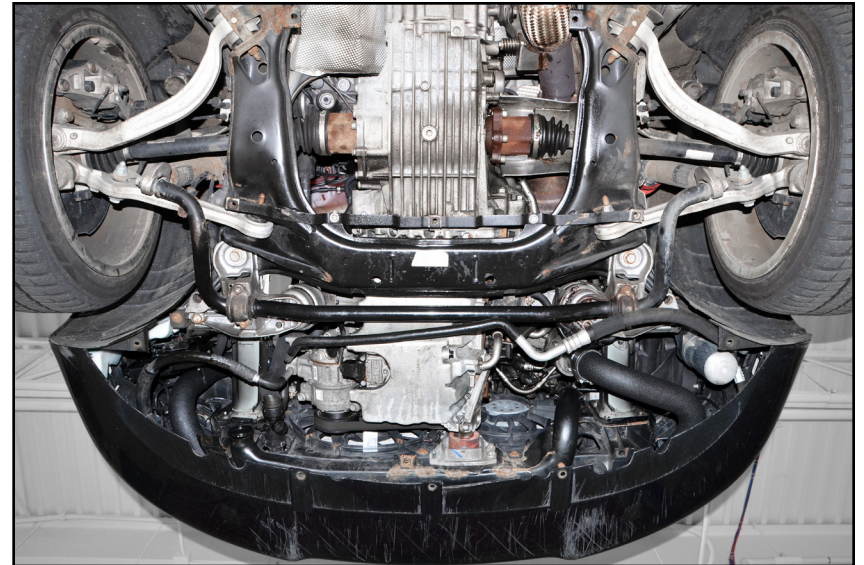
## REMOVING THE STOCK EXHAUST SYSTEM

### Step 1:



This installation was performed on a B7 A4. If you are installing on a B6 A4 installation will vary slightly.

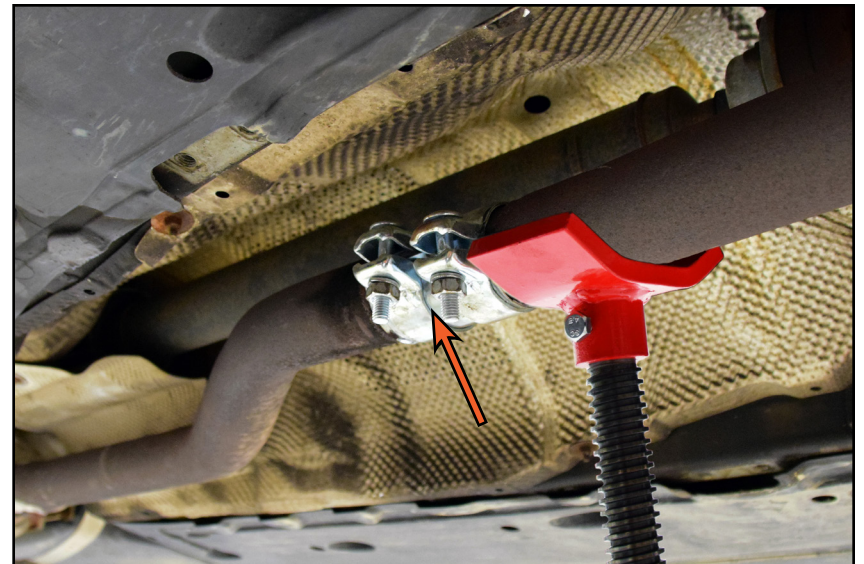
Safely lift and support the vehicle, then remove the insulation panels as shown.



### Step 2:

13mm Socket & Ratchet

Support the exhaust system from below so that it does not hang and cause damage, then loosen the clamp (arrow) which secures the downpipe to the rest of the exhaust system.





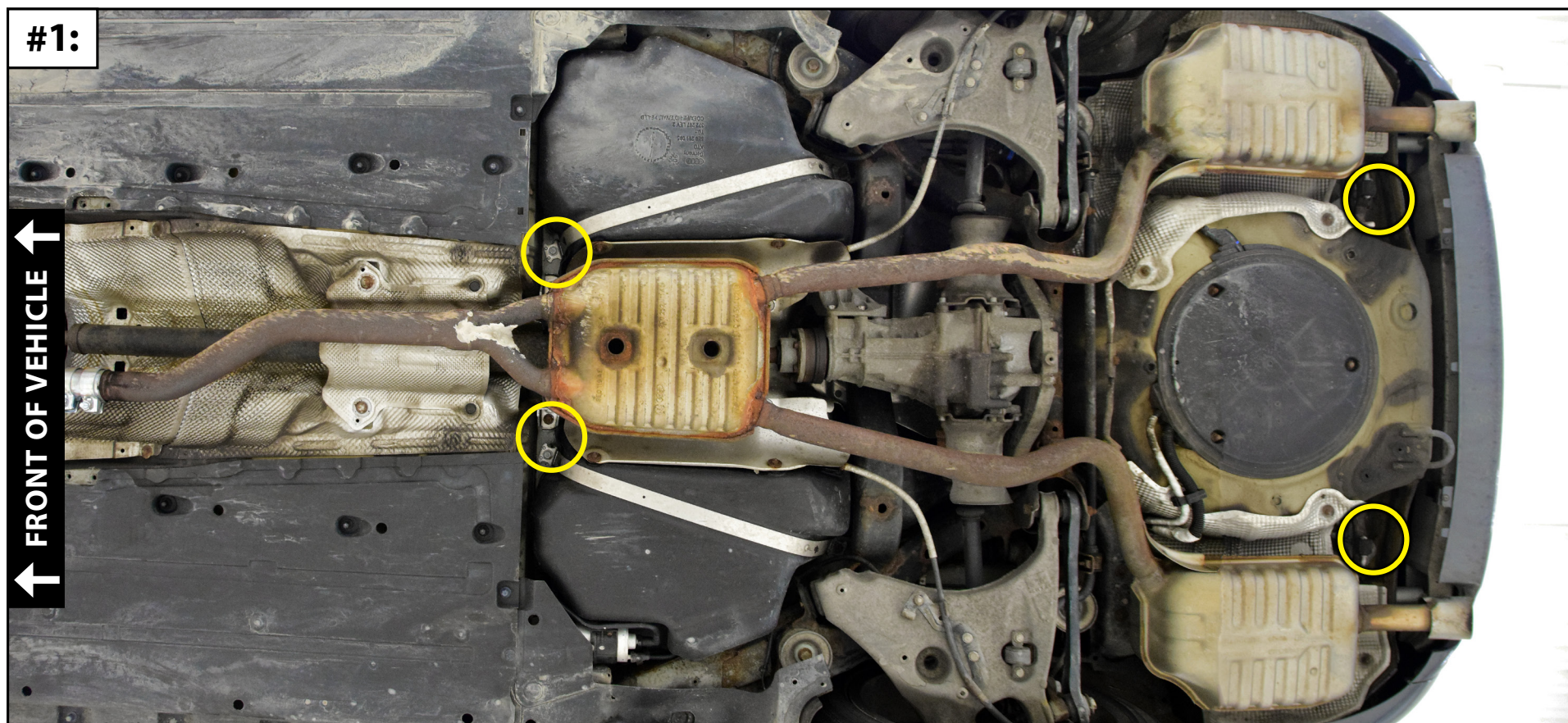
## REMOVING THE STOCK EXHAUST SYSTEM

### Step 3: Exhaust Hanger Removal Pliers

Support the front downpipe from underneath.

Remove the rubber exhaust hangers (circled in **YELLOW**) from the stock exhaust system, leaving them attached to the body.

Carefully lower the entire system to the ground and set it aside.



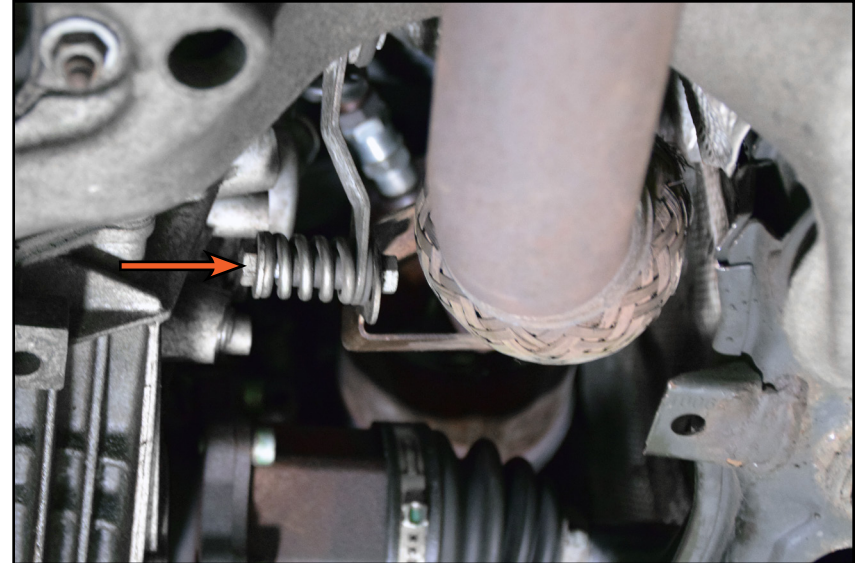
## REMOVING THE STOCK EXHAUST SYSTEM

### Step 5: 13mm Socket & Ratchet

Looking up the downpipe, remove the bolt (arrow) that secures the downpipe to the vehicle.



The CV axle shield has been removed in these photos for visibility and clearance, while this step is optional, we found it makes this step a little easier.

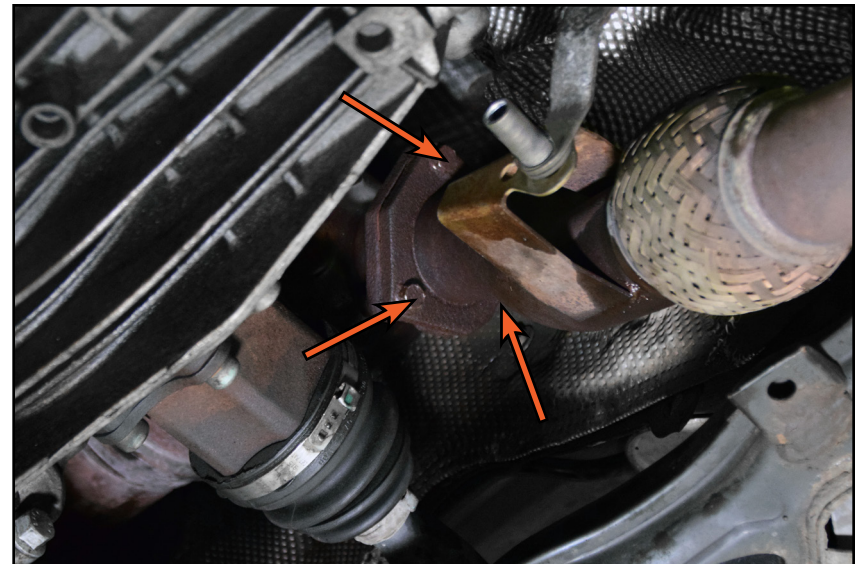


### Step 6: 13mm Wrench, 13mm Socket & Ratchet

Remove the three nuts (arrows), then remove the downpipe.



Spray the nuts with penetrating oil and allow the oil to soak in before attempting to remove them.



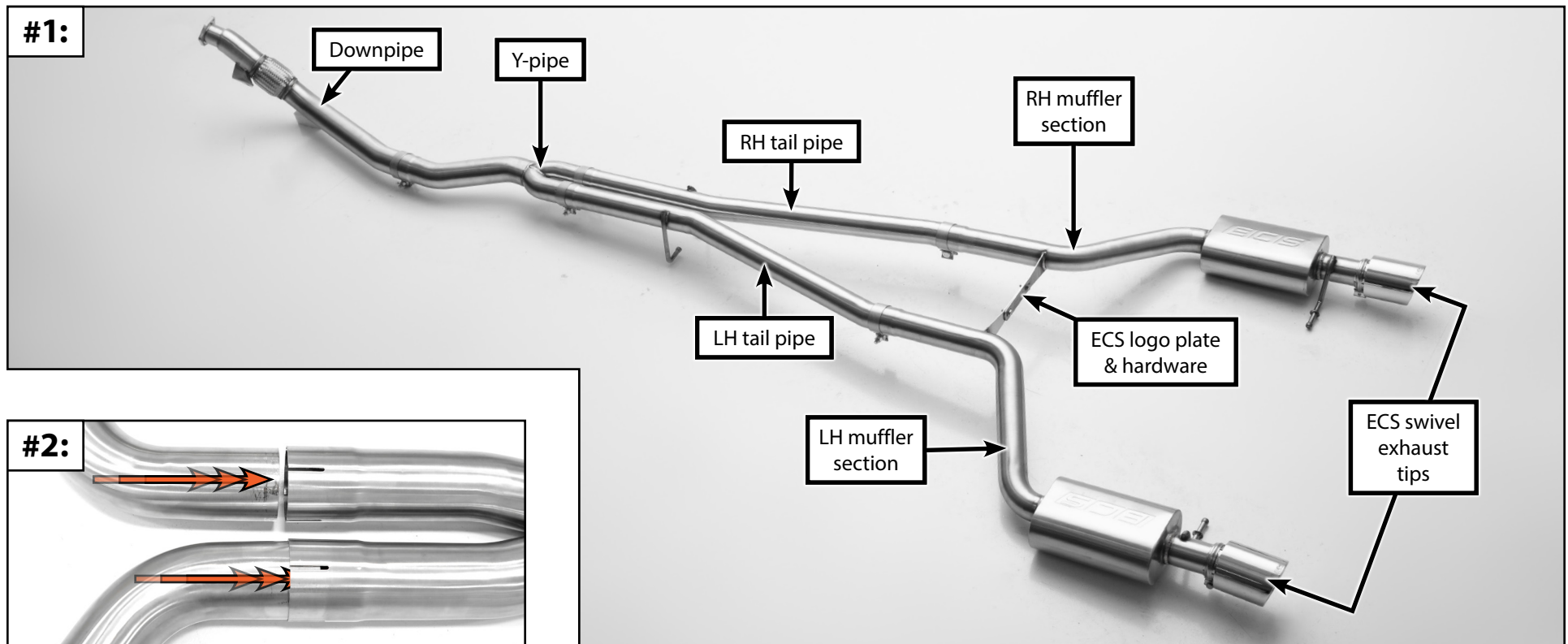


## INSTALLING THE NEW EXHAUST SYSTEM

### Step 1: Pipe Expander Tool - 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 (**Photo #1**). 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 (**Photo #2**). 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. Confirm that the jam nut is tight on each muffler valve (not shown).

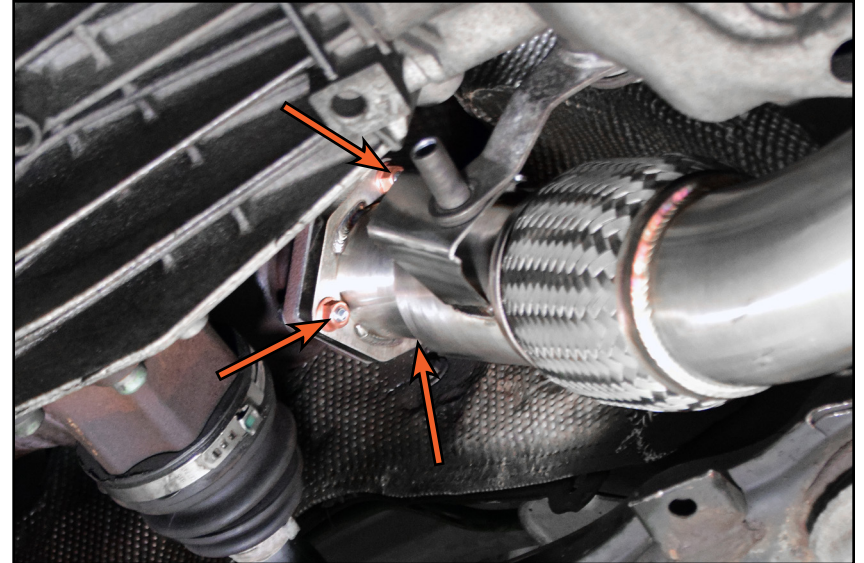
Please note that during this installation, you will be installing the exhaust from front to back **WITHOUT** tightening any of the clamps. Once the system is installed, we will then show you how to position the system properly and you will tighten the clamps **AFTER** that is complete. Proceed to the next page once all of the slip joints slide together easily.



## INSTALLING THE NEW EXHAUST SYSTEM

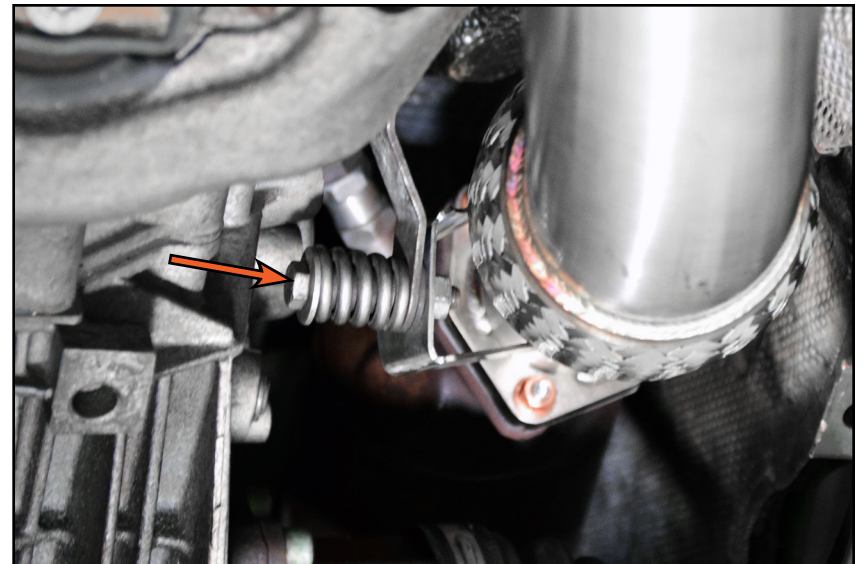
### Step 2: 12mm Wrench, 12mm Socket & Torque Wrench

Install the provided gasket between the catalytic converter and the downpipe flanges, then slide the bolts through the flanges, sandwiching the gasket between the two pipes. Install the provided nuts (arrows) onto the bolts and tighten them to 23 Nm (17 ft-lbs).



### Step 3: 13mm Socket & Torque Wrench

**B7 A4 ONLY:** Reinstall the bolt (arrow) and tighten it to 23 Nm (17 ft-lbs).





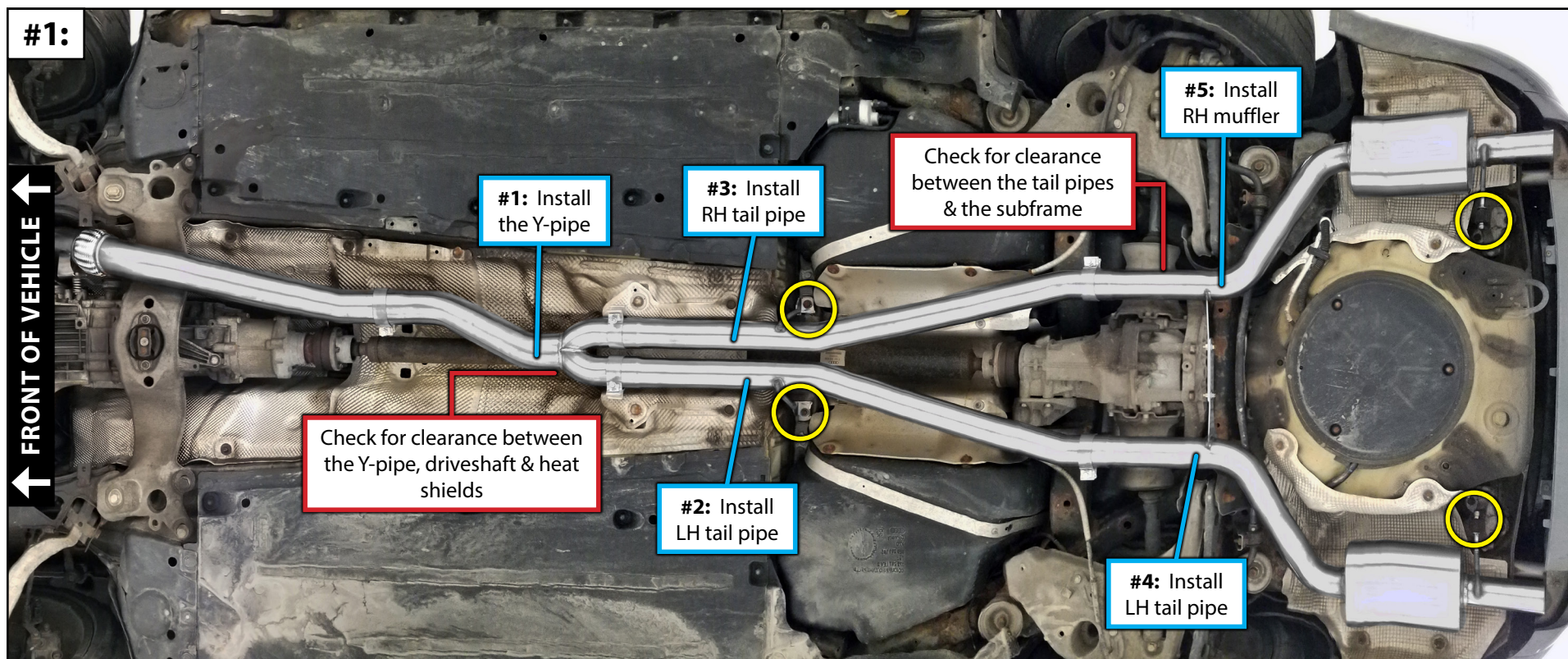
## INSTALLING THE NEW EXHAUST SYSTEM

### Step 4: 15mm Socket & Ratchet

Install the rest of the exhaust system in the order shown in **Photo #1** below, then reinstall the exhaust system into the hangers (circled in **YELLOW**).

Next, we'll need to adjust the exhaust system for proper fitment. The key to proper adjustment is patience, take your time and **DO NOT** fully tighten any of the clamps until **AFTER** you've performed all of the steps up through Page 12.

Closely inspect the exhaust system from front to back, to ensure proper clearance between the pipes and nearby chassis components.





## INSTALLING THE NEW EXHAUST SYSTEM

### Step 5: 13mm & 15mm Sockets, Ratchet

Check the hangers on the mufflers and the Y-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.

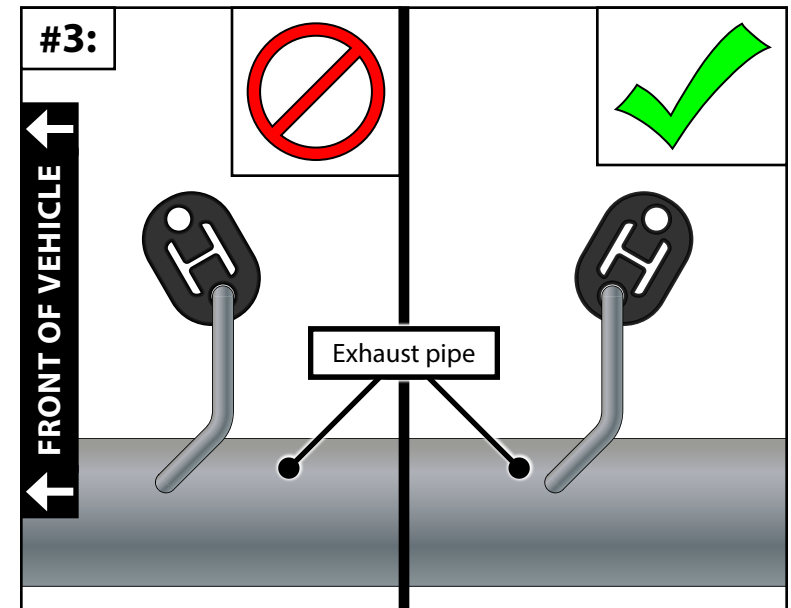
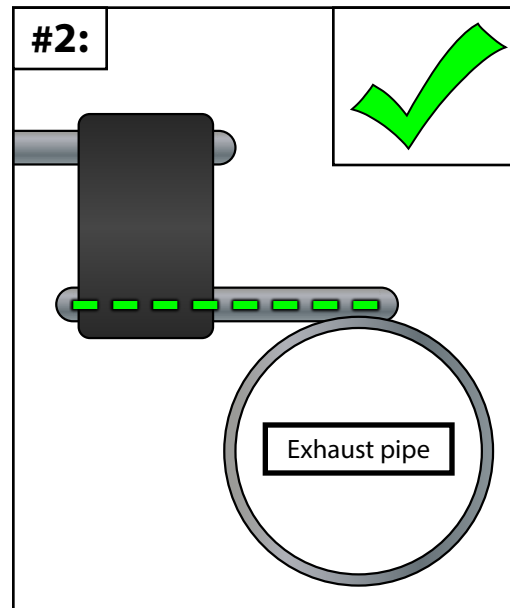
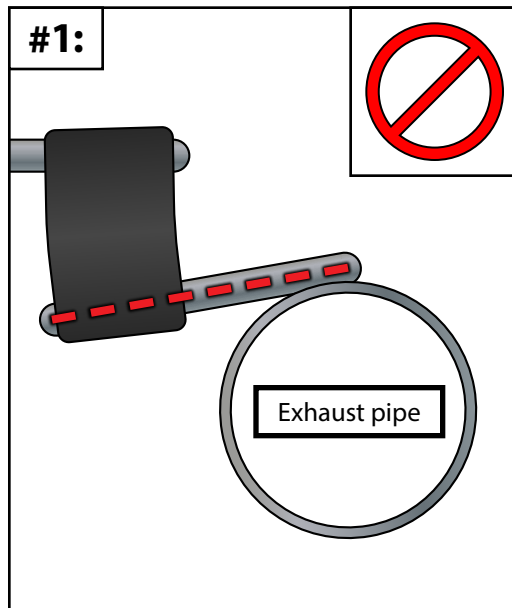


**NOTE**

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.



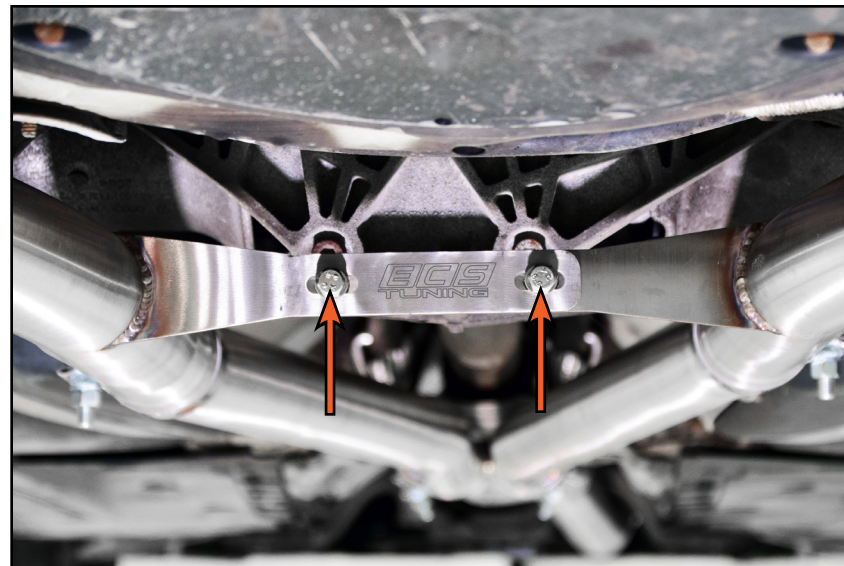
**CAUTION:** You can tighten the exhaust clamps until they are “snug”, but **DO NOT USE AN IMPACT WRENCH** and do not fully tighten them yet!



## INSTALLING THE NEW EXHAUST SYSTEM

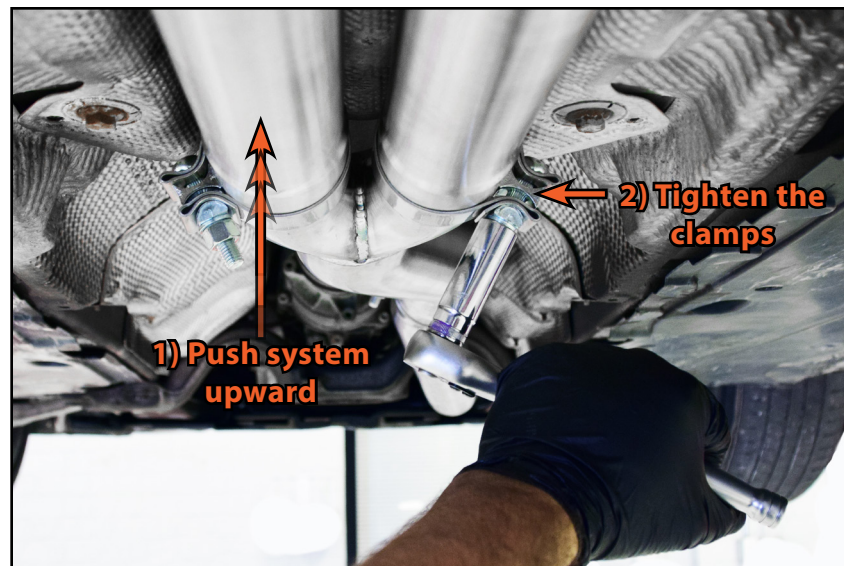
### Step 6: 13mm Wrench, 13mm Socket & Ratchet

Install the provided logo plate between the two muffler sections and secure it in place with the provided bolts and nuts (arrows).



### Step 7: 15mm Socket & Ratchet

Starting at the front and moving rearward, push up on the exhaust system as you fully tighten all the clamps. When you let go the exhaust will settle to its final resting position.



## INSTALLING THE NEW EXHAUST SYSTEM

### Step 8:

Slide the exhaust tips onto the end of the muffler pipes as shown, be sure to orient the clamps (arrows) so that they are easily accessible.



### Step 9: 13mm Socket & Torque Wrench

Adjust the tips until they are centered within the bumper cut outs, then tighten the clamps to 19 Nm (14 Ft-lbs).

***Congratulations, your installation is complete!***





## Your ECS 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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