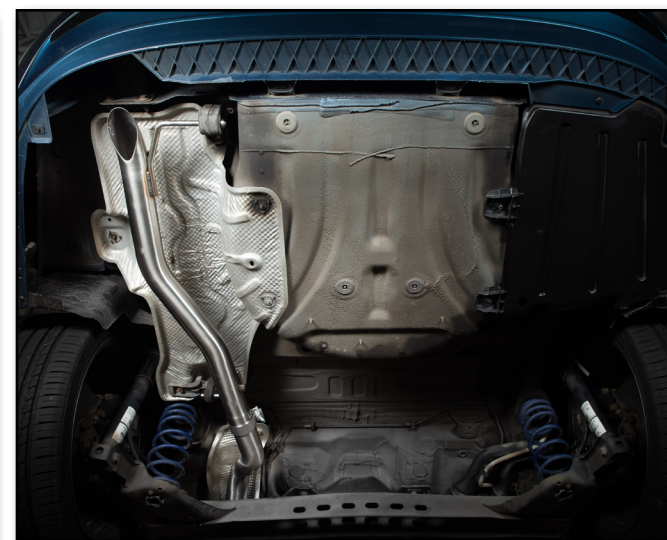




VW MK7 Jetta 1.4T ECS Exhaust System Installation Instructions - [Click HERE to Shop](#)



Skill Level
1 - Easy
Basic Skills
Required

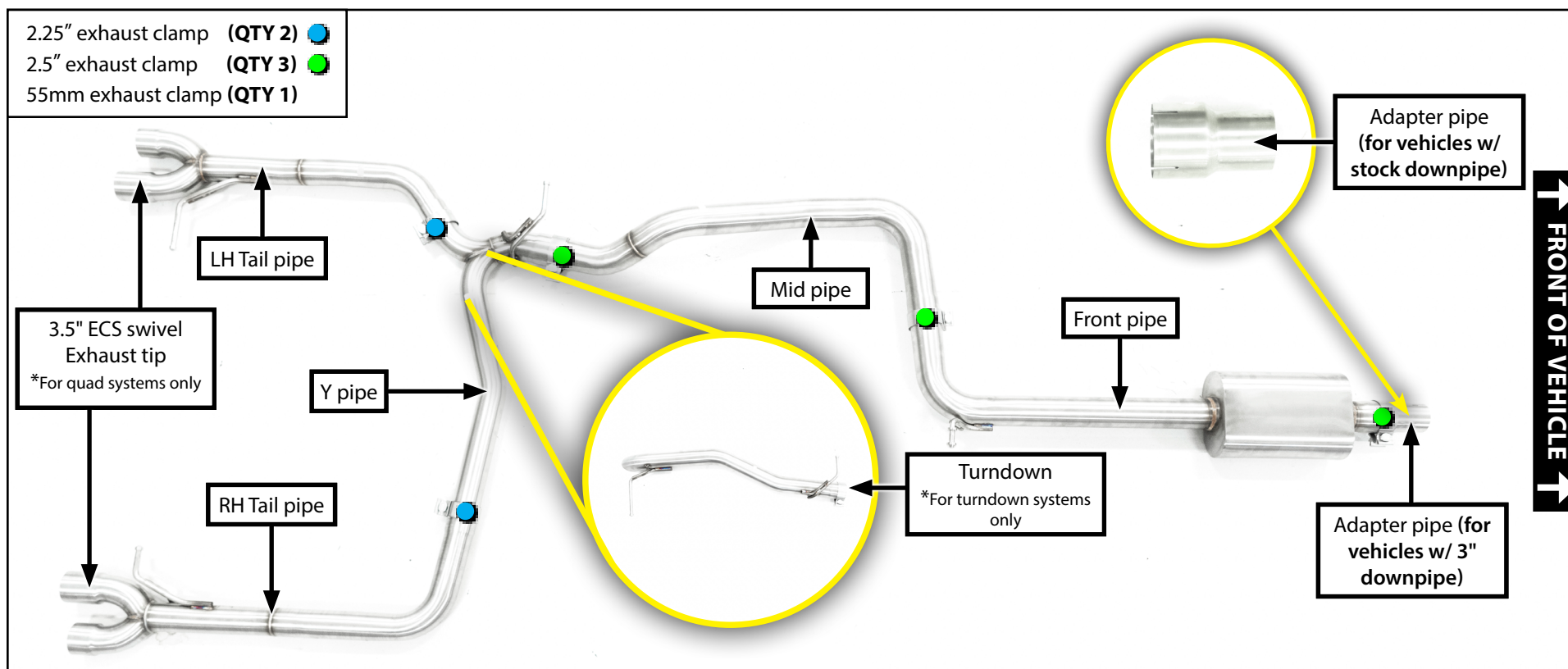


Proper service and repair procedures are vital to the safe, reliable operation of all motor vehicles as well as the personal safety of those performing the repairs. Standard safety procedures and precautions (including use of safety goggles and proper tools and equipment) should be followed at all times 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



Our exhaust system comes with four 3.5" exhaust tips in the finish of your choice. Each system comes with two adapters which will connect our exhaust system to either the stock downpipe (**YELLOW** inset photo above) or an aftermarket 3" downpipe.

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.

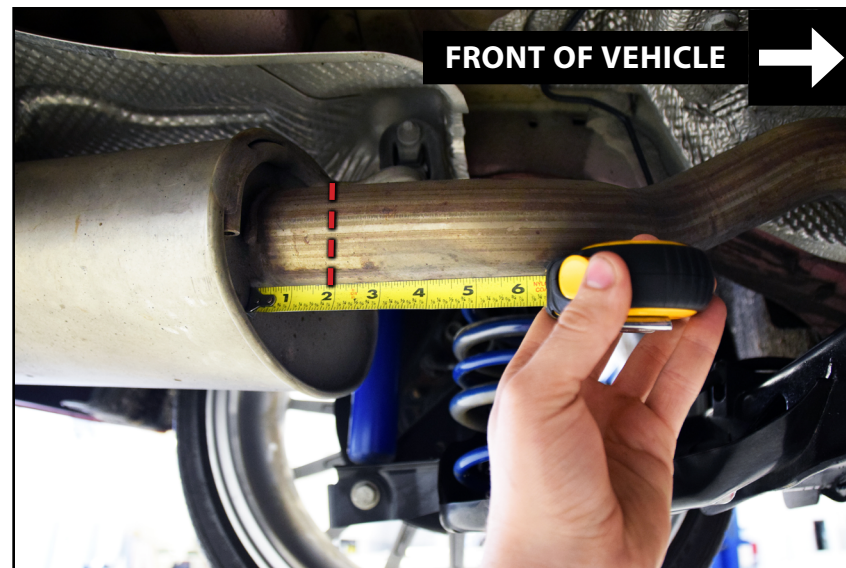


NEVER get underneath a vehicle that is supported only by a jack, and **ALWAYS** make sure that the vehicle is securely supported on jack stands.

REMOVING THE STOCK EXHAUST SYSTEM

Step 1: Measuring Tape, Marker -or- Masking Tape

Safely lift and support the vehicle, then measure from the front face of the rear muffler 2" upstream and make a mark (highlighted in **RED**) with a marker or piece of masking tape.



Step 2: Marker -or- Masking Tape



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!

Ensure the alignment of your mark all the way around the perimeter of the pipe and re-mark the pipe as needed before you begin to cut.



REMOVING THE STOCK EXHAUST SYSTEM

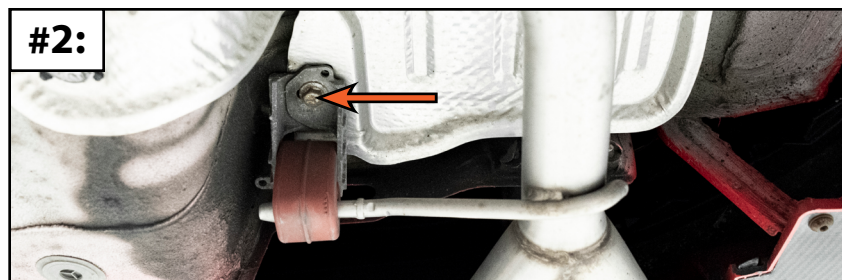
Step 3: Exhaust Pipe Cutter -or- Reciprocating Saw

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



Step 4: Exhaust Pipe Hanger Remover Pliers

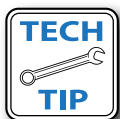
Remove the exhaust hanger (**photo #1**) from the muffler, leaving it attached to the body. Remove the bolt (arrow in **photo #2**) to remove the exhaust hanger from the body, then remove the muffler.



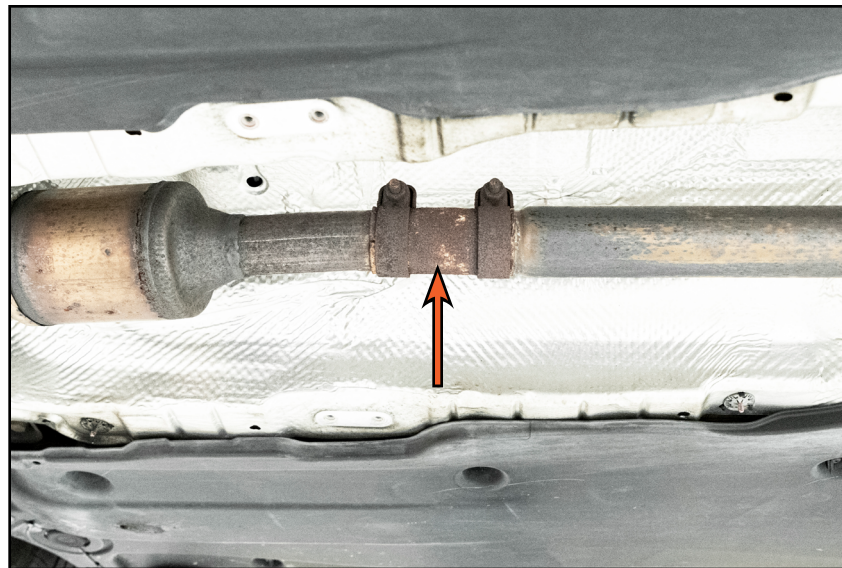
REMOVING THE STOCK EXHAUST SYSTEM

Step 5: 13mm Socket & Ratchet

Support the exhaust system from below then loosen the sleeve clamp (arrow) which secures the exhaust to the downpipe.

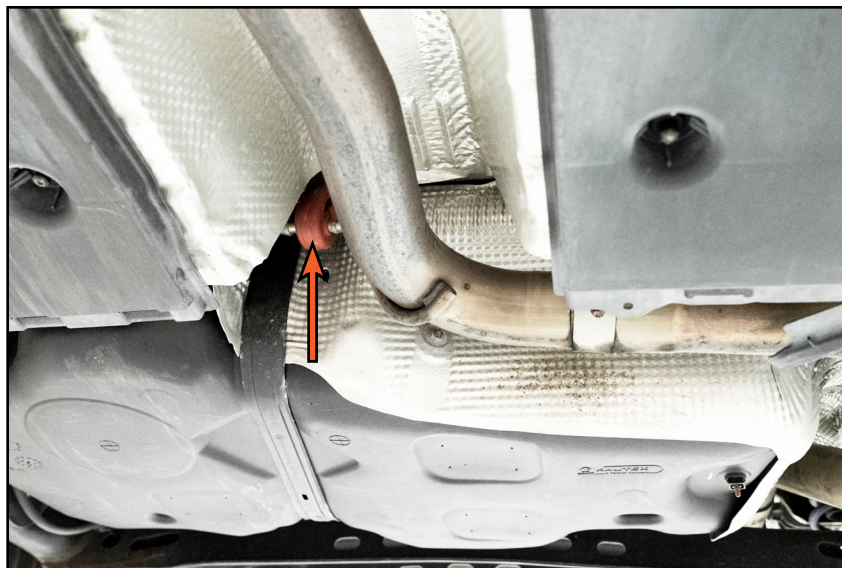


Spray the nuts with penetrating oil and allow the oil to soak in before attempting to remove them.



Step 6: Exhaust Pipe Hanger Remover Pliers

Release the hanger from the exhaust then carefully remove the front section of the exhaust from the vehicle.



REAR DIFFUSER INSTALLATION (QUAD SYSTEM ONLY)

Installation of the quad tip system requires installation of our rear diffuser. For information regarding the installation of our rear diffuser please access the install PDF linked [HERE](#).

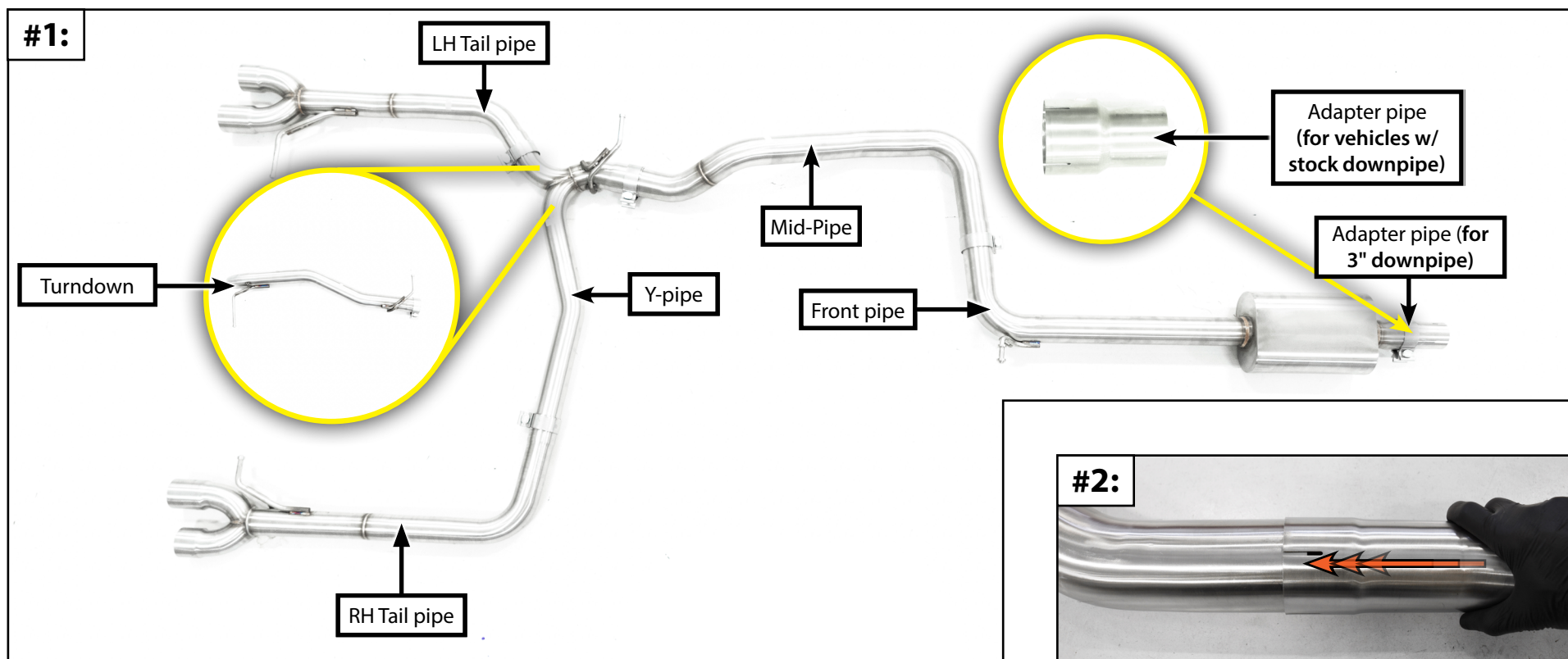


INSTALLING THE NEW EXHAUST SYSTEM

Step 1: 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, gently tap on the ends of the pipes with a ball pein hammer to straighten them, then recheck fitment.

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.



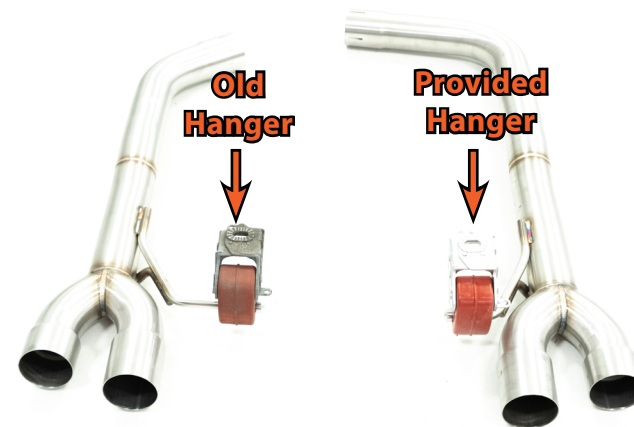
INSTALLING THE NEW EXHAUST SYSTEM

Step 2:

Quad-Tip Exhaust System: Transfer the rearmost exhaust hanger from the stock exhaust system to the new tail pipe section, then install the provided hanger onto the other tail pipe section (as shown in **Photo #1**).

Turndown Exhaust System: Transfer the rearmost exhaust hanger from the stock exhaust system to the turndown section of the new exhaust system (as shown in **Photo #2**).

#1:



#2:



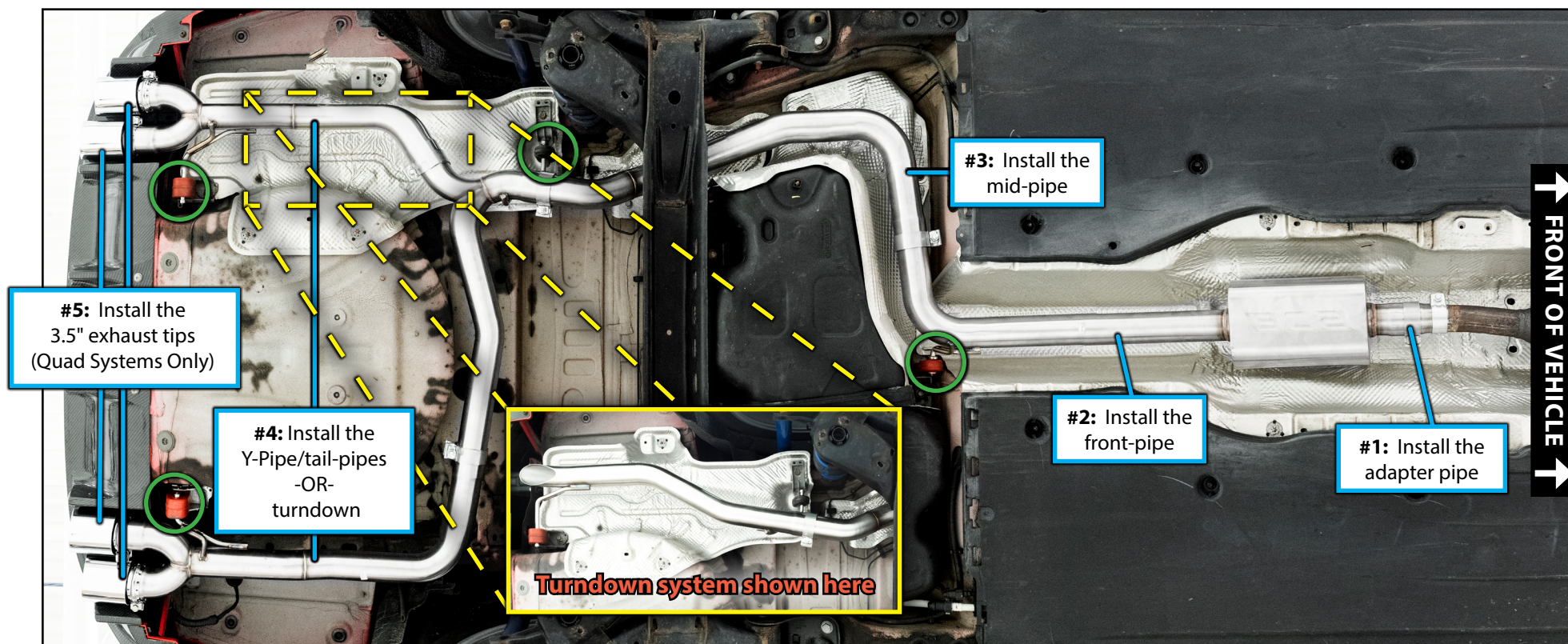
INSTALLING THE NEW EXHAUST SYSTEM

Step 3: 13mm & 15mm Sockets, Ratchet

Install the exhaust system in the order shown in the **Photo** below. Reinstall the exhaust hangers (circled in **GREEN**), then it's time to adjust the exhaust system for proper fitment. The key to proper adjustment is patience, take your time and snug the clamps but **DO NOT** fully tighten any of the clamps until **AFTER** you've performed all of the steps up through Page 13. Closely inspect the exhaust system from front to back, checking for clearance between the pipes and nearby chassis components.



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 4: 13mm & 15mm Sockets, Ratchet

Check the hangers on the front pipe and the mufflers to ensure that they are sitting level side-to-side (**Photos #1 & #2 below**).

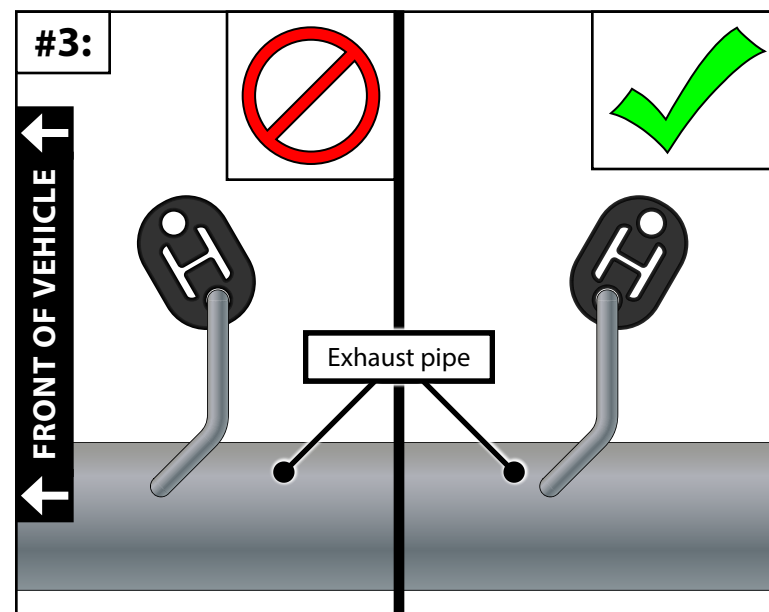
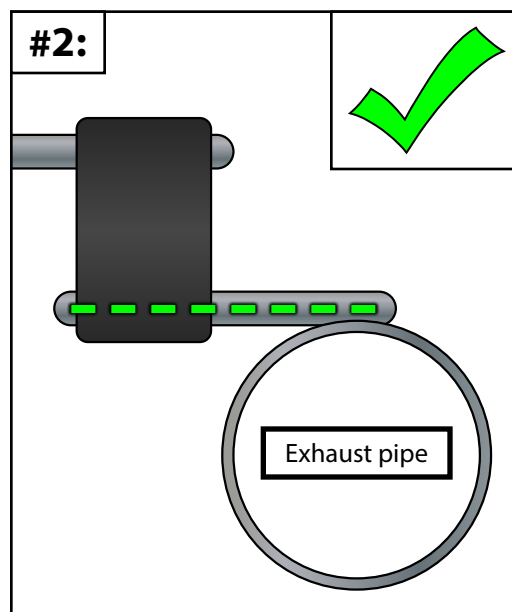
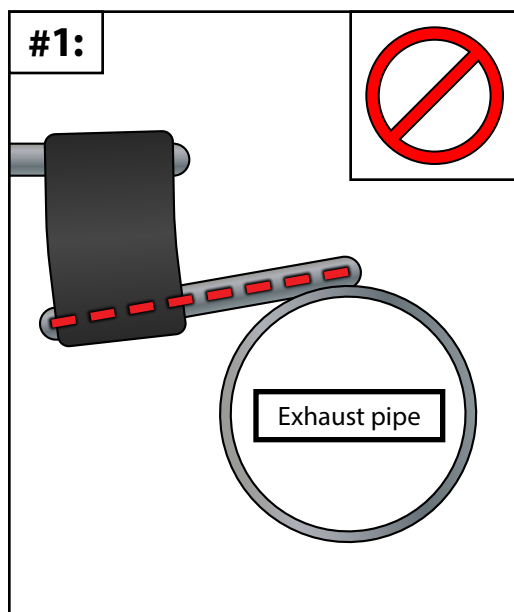
Finally, we want to ensure that the exhaust hangers are rotated at least slightly toward the front of the vehicle (**Photo #3 below**). The exhaust hangers should be inclined toward the front of the vehicle so that lower hole is approximately 10-15mm forward of the upper hole, this will allow the hangers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



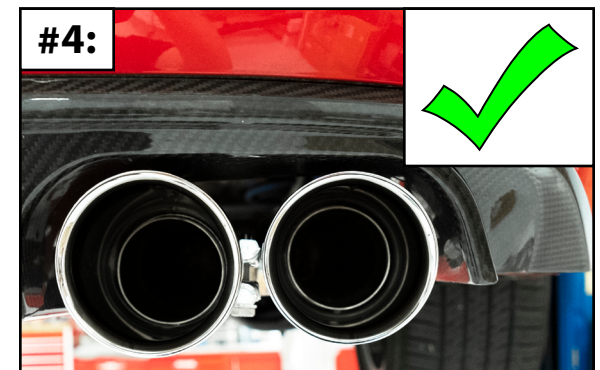
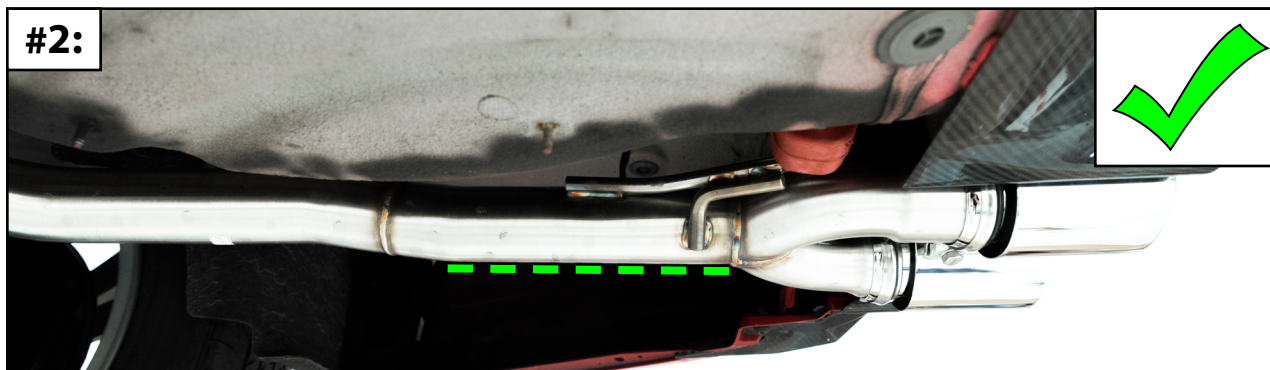
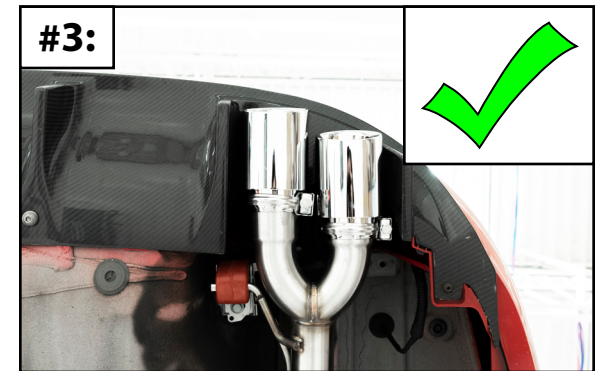
INSTALLING THE NEW EXHAUST SYSTEM

Step 5: 13mm & 15mm Sockets, Ratchet

Inspect the Y-pipe and ensure that it is sitting level side-to-side as much as possible (**Photo #1 below**). Inspect each tail pipe and ensure that it is sitting level front-to-back as much as possible (**Photo #2 below**). Slide the exhaust tips in our out until your desired depth is achieved then center and level the exhaust tips inside the bumper cut outs (**Photos #3 & #4 below**).



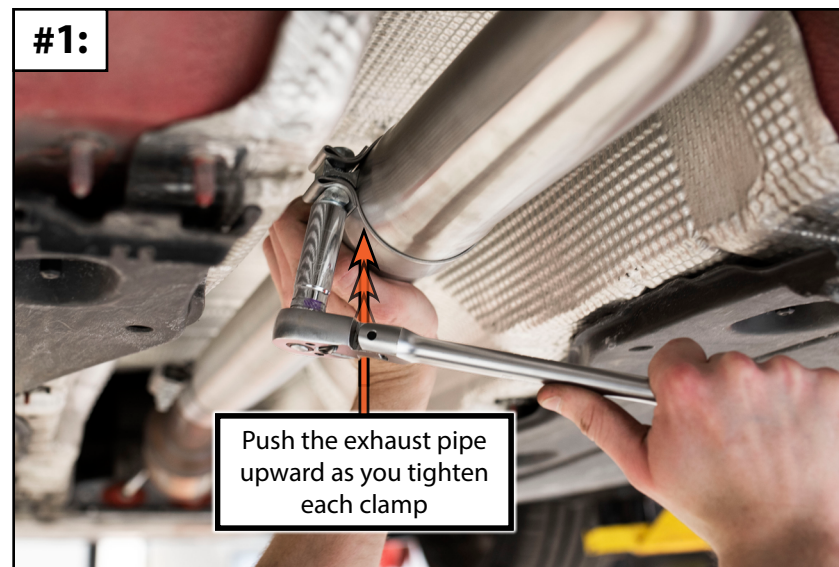
CAUTION: You can tighten the exhaust clamps until they are “snug”, but **DO NOT USE AN IMPACT WRENCH** and do not fully tighten them yet!



13mm & 15mm Sockets, Ratchet & Torque Wrench

Once the system is all adjusted, it's time to fully tighten down the clamps. 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. Tighten the clamps on the exhaust tips to 19 Nm (14 Ft-lbs). Check again for clearance around all pipes.

- ☐ Wipe any oil, grease, or fingerprints from the exhaust system.
 - Any fingerprints or visible dirt on the surface will contaminate the finish surface once heat cycled.
 - Brake cleaner works fine for cleaning the system, apply WD-40 to a microfiber towel and wipe the system down after cleaning it to bring out the color and make it pop.
- ☐ Recheck all fasteners after the vehicle has been driven 500 miles.



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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