

Audi B7 A4 2.0T Downpipe & High-Flow Cat Installation Instructions - [ES3678162](#)

Skill Level 1 - Easy

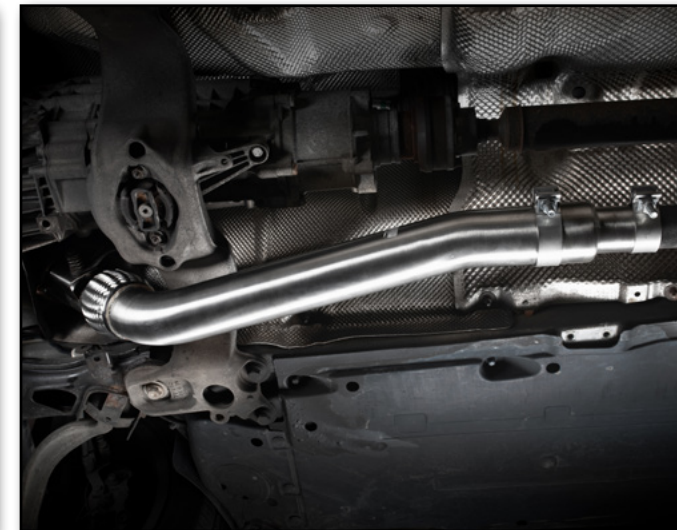
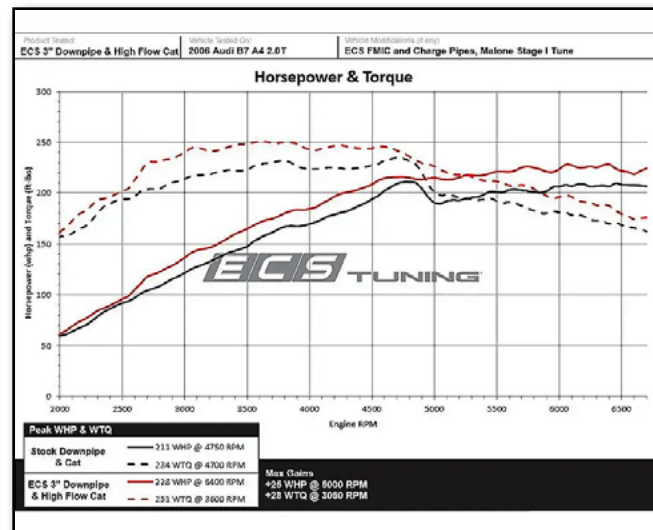
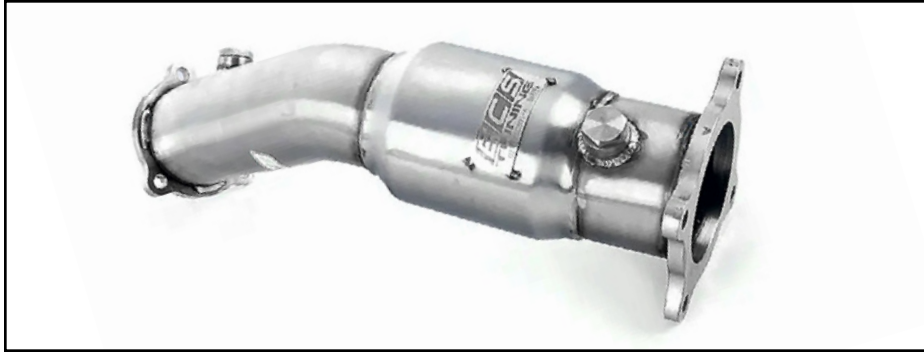


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KIT CONTENTS



High-Flow Cat Pipe



Down Pipe



Reducer



Downpipe Clamp



Downpipe Gasket



x3

M8 Nut



Reducer Clamp



Turbo Gasket



x3

M8 Bolt



x4

M10 Nut

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

- **Oxygen Sensor Wrench**..... [ES#240942](#)

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.

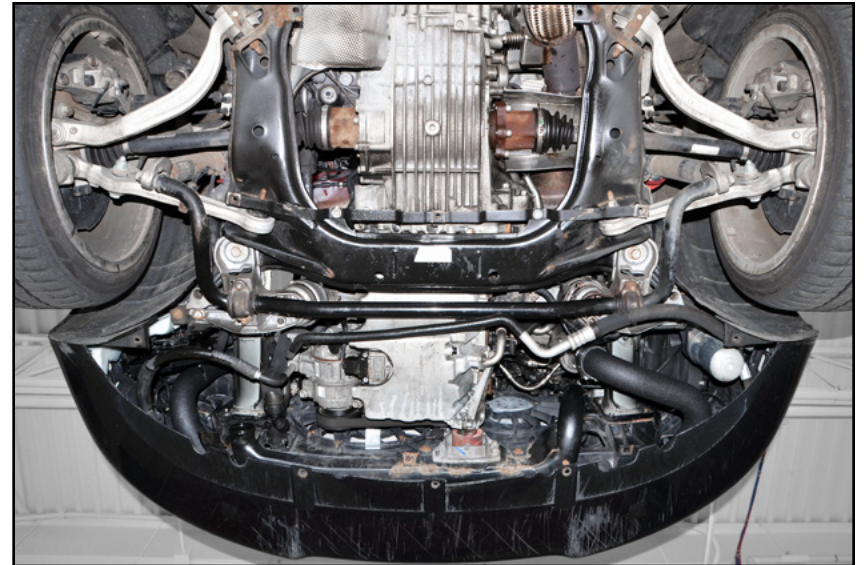


NEVER get underneath a vehicle that is supported only by a jack, and **ALWAYS** make sure that the vehicle is securely supported on jack stands.

REMOVING THE ORIGINAL DOWNPIPE

Step 1: Flat Head Screwdriver

Remove the front and rear insulation panels from the underside of the vehicle as shown.

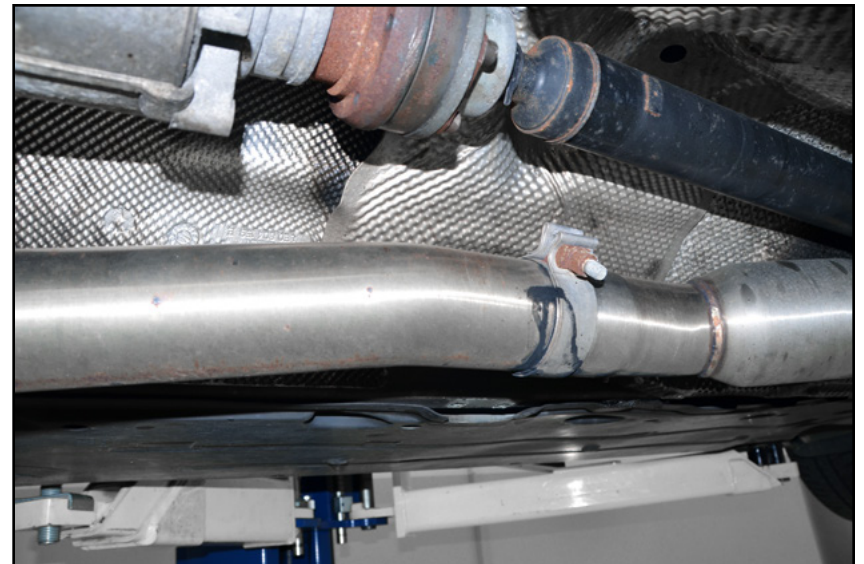


Step 2: 13mm Socket & Ratchet

Loosen the nut(s) on the downpipe clamp and slide it back as far as it goes.



This vehicle has been fitted with an aftermarket exhaust, if you have a stock exhaust system this will be a sleeve clamp.



REMOVING THE ORIGINAL DOWNPIPE

Step 3: 13mm Socket & Ratchet

Looking up the downpipe, remove the bolt which secures the spring mount to the vehicle.



Step 4: 12 Wrench, 13mm Wrench, 12mm Socket & Ratchet

Looking from below, locate and remove the three nuts (arrows) which secure the downpipe to the stock catalytic converter.



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



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



REMOVING THE ORIGINAL DOWNPIPE

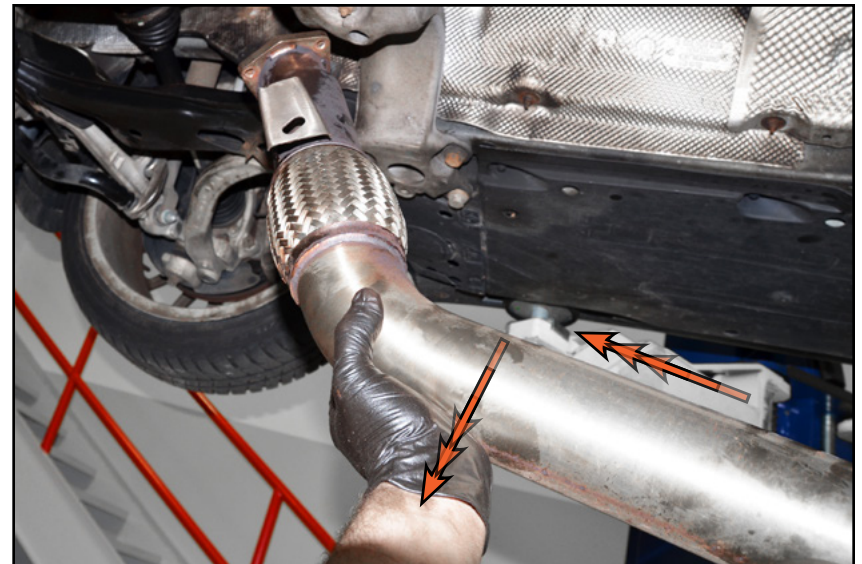
Step 5: Oxygen Sensor Wrench

Loosen the downstream oxygen sensor (arrow) from the stock cat and hang it safely out of the way.



Step 6:

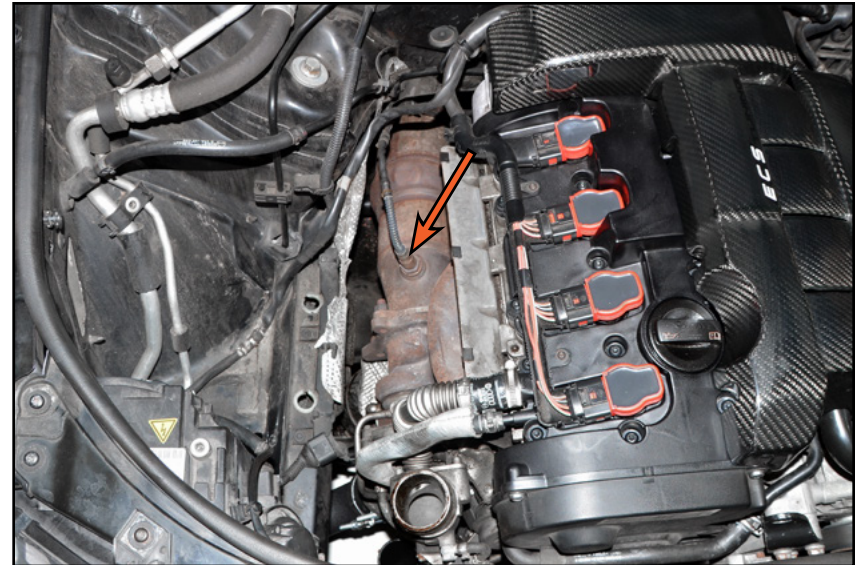
Pull the downpipe forward to pull it free from the rest of the exhaust, then remove it from the vehicle.



REMOVING THE ORIGINAL DOWNPIPE

Step 7: Oxygen Sensor Wrench

Remove the intake and heat shield (if equipped) in order to gain access to the turbocharger, then loosen the upstream oxygen sensor (arrow) from the cat and hang it safely out of the way.



Step 8: 15mm Wrench, 15mm Socket, Ratchet & Extensions

Remove the four nuts which secure the stock cat to the turbo mounting flange.



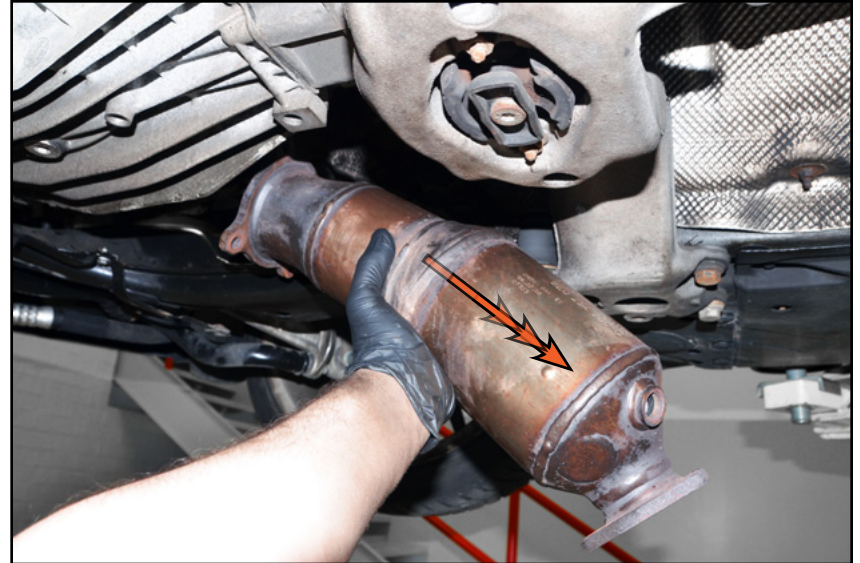
Spray the nuts with penetrating oil and allow the oil to soak in before attempting to remove them.



REMOVING THE ORIGINAL DOWNPIPE

Step 9:

Pull the cat off the turbo mounting flange and remove it from the vehicle as shown.



Step 10:

Remove the stock gasket from the turbo mounting studs and install the new gasket (arrow) in its place.



INSTALLING THE NEW DOWNPIPE

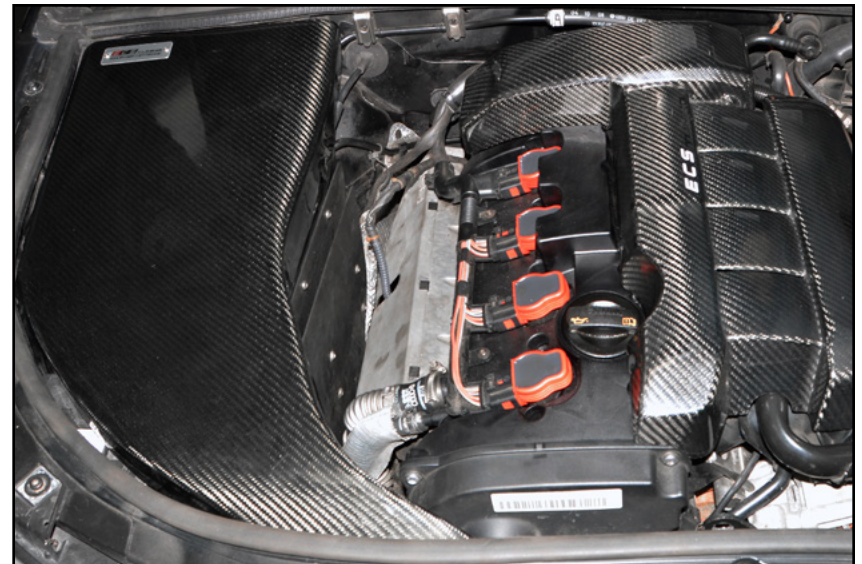
Step 1: Oxygen Sensor Wrench

Install the new cat pipe onto the turbo mounting flange, then install the four nuts and torque them to 40Nm (30ft-lbs). Install the upstream oxygen sensor into the new cat as shown.



Step 2:

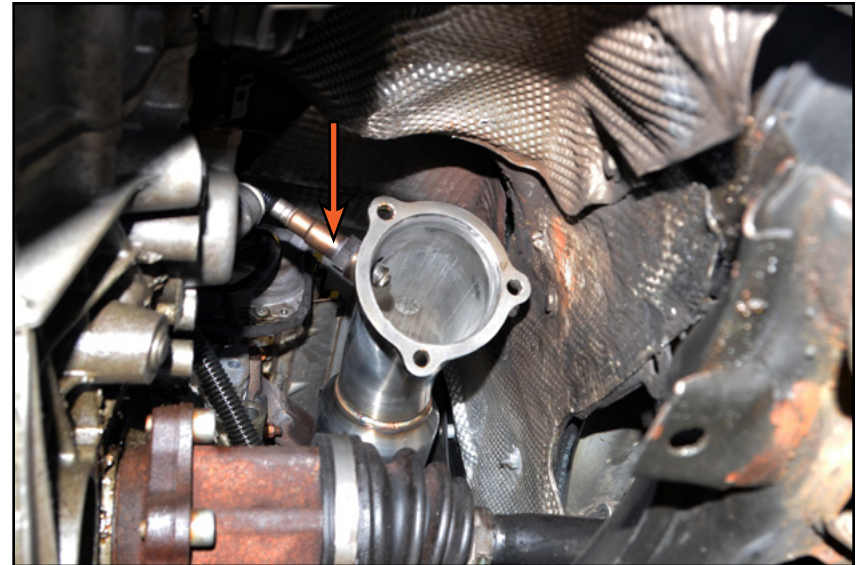
Reinstall the intake and turbo heat shield (if equipped).



INSTALLING THE NEW DOWNPIPE

Step 3: Oxygen Sensor Wrench

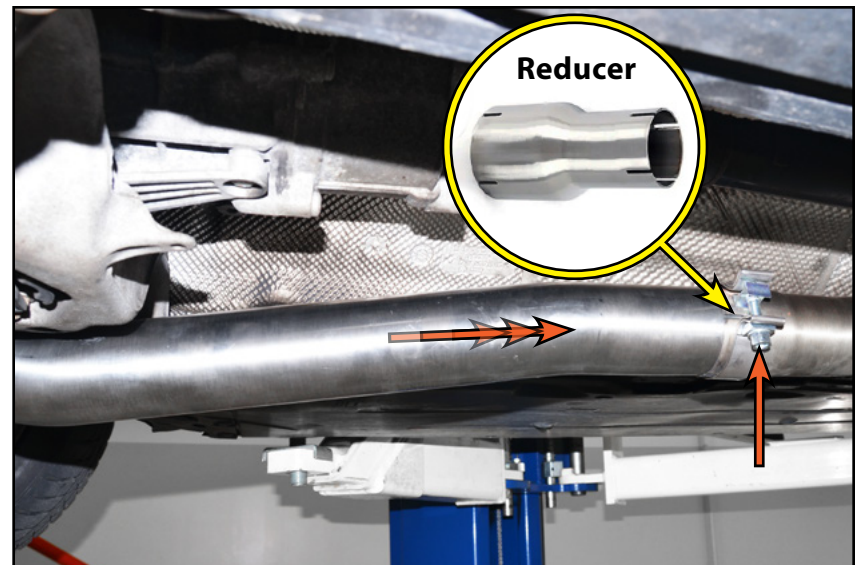
Install the downstream oxygen sensor (arrow) into the new cat pipe as shown.



Step 4: 16mm Socket & Ratchet

If you have an aftermarket cat-back exhaust system: Our downpipe is designed to slip directly over a 3" cat-back exhaust system; Simply slide the provided clamp over the end of the downpipe and slide it over the rest of the exhaust as shown. Leave the clamp loose enough to allow for adjustment.

If you have a stock exhaust system: Slide the provided reducer over the end of the downpipe and slide both provided clamps over the ends of the reducer, then slide the reducer over the stock exhaust pipe and clamp it in place. Leave the clamps loose enough to allow for adjustment.

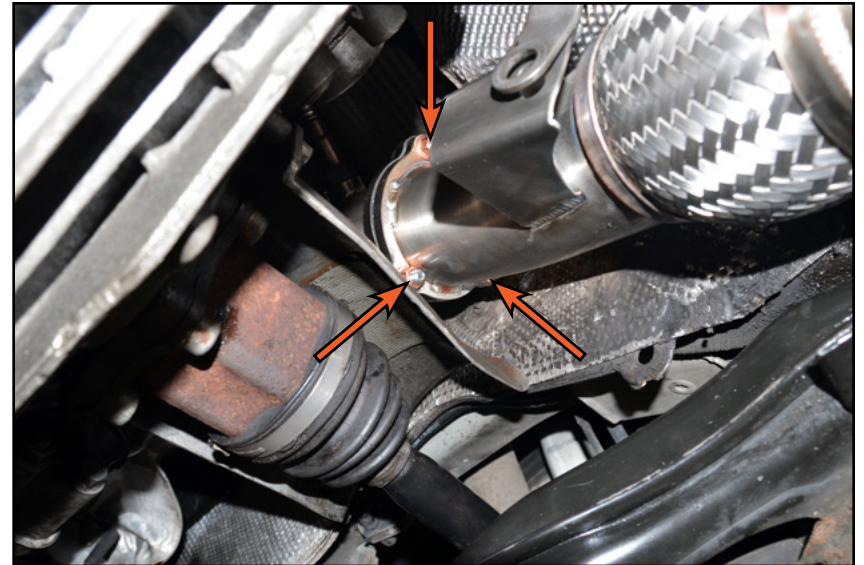


INSTALLING THE NEW DOWNPIPE

Step 5: 12 Wrench, 13mm Wrench, 12mm Socket & Ratchet

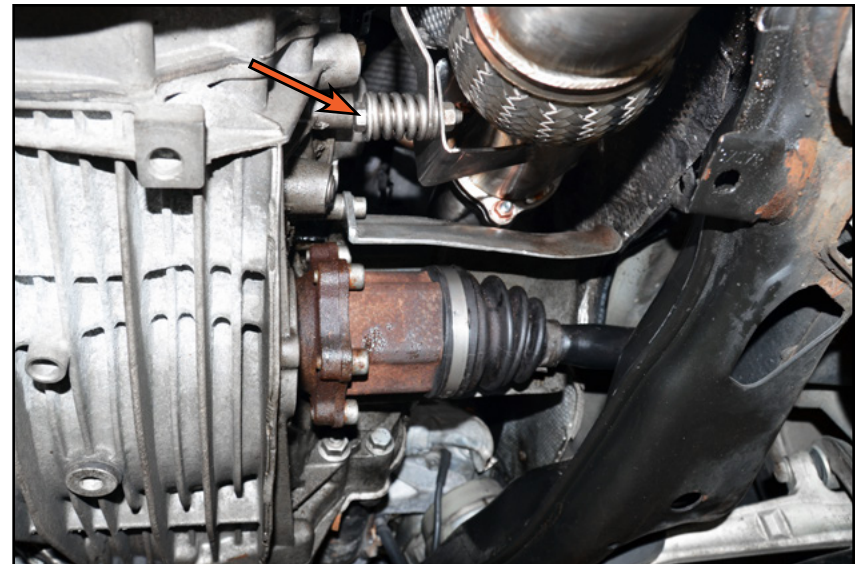
Install the provided gasket between the cat pipe and the downpipe flanges, then slide the bolts through the flanges, sandwiching the gasket between the two pipes. Install the provided nuts (arrows) onto the bolts and tighten them to 23Nm (17ft-lbs).

Go back and tighten down the clamp which secures the downpipe to the rest of the exhaust system.



Step 6: Oxygen Sensor Socket & Ratchet

Reinstall the spring mount (arrow) and tighten the bolt to 23Nm (17ft-lbs).



Congratulations, your installation is complete!

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Your Downpipe & High-Flow Cat 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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