

[Cast Stainless Steel Performance Downpipe, 8V Audi A3/S3
& MkVII Volkswagen Golf/GTI/R](#)

**034 MOTORSPORT**

Designed to replace the restrictive factory downpipe and catalytic converter to yield increased horsepower and torque throughout the powerband, reduced turbocharger lag, and an enhanced exhaust note, this is the ultimate downpipe solution for the discerning Audi/Volkswagen enthusiast.

Emissions Disclaimer: This product is sold for competition use and is not legal for use in highway or street vehicles.

Installation Spiciness Rating



(Spicy)

Installation of your 034Motorsport Cast Downpipe is a complex process. We recommend professional installation by an experienced Audi/Volkswagen specialist.

Supplied Parts:

- 034Motorsport Cast Downpipe
- AWD Midpipe
- FWD Midpipe
- 76mm to 65mm Transition
- 76mm Exhaust Clamps (2)

Optional Factory Replacement Parts (Not Included):

- New Driveshaft Bolts (3) – **PN:** N90846102
- New V-Band Sealing Gasket – **PN:** 5Q0253115B

Tools Needed:

- **Sockets** - 13mm, 16mm, 17mm, 10mm 12-Point, Oxygen Sensor Socket
- **Bits** - T20 Torx, 6mm Allen, 8mm Allen, 10mm Triple Square
- Torque Wrench, Extensions, Swivel Joints, Pry Bar

About This Guide

This Install Guide documents the installation process on a 2017 Audi S3. The actual installation process for your vehicle may vary by model, due to factory options, or because of existing aftermarket modifications already installed.

Steps 4 – 10 and 30 – 34 can be skipped on front-wheel drive (FWD) vehicles, making the installation process faster.

Optional Factory Replacement Parts

Center Driveshaft Bolts (3)

Only applicable for all-wheel drive (AWD) vehicles. We recommend replacing these bolts after removing them.

Factory Part Number: N90846102

V-Band Sealing Gasket

Replace if original part does not provide adequate seal.

Factory Part Number: 5Q0253115B

Getting Started

- Ensure you have all parts and tools required for installation by reading the complete Install Guide.
- Raise your vehicle securely using a lift.
- Remove the front wheels to gain access to necessary components.

Step 1

Remove the plastic wind deflector shown below. It is secured with two T20 Torx screws and two plastic clips. Push in the center of the clips to allow for removal. Retain all parts for reinstallation.



Step 2

Using a 13mm Socket, remove the two bolts securing the downpipe hanger to the front subframe. Leave the hanger attached to the factory downpipe.



Step 3

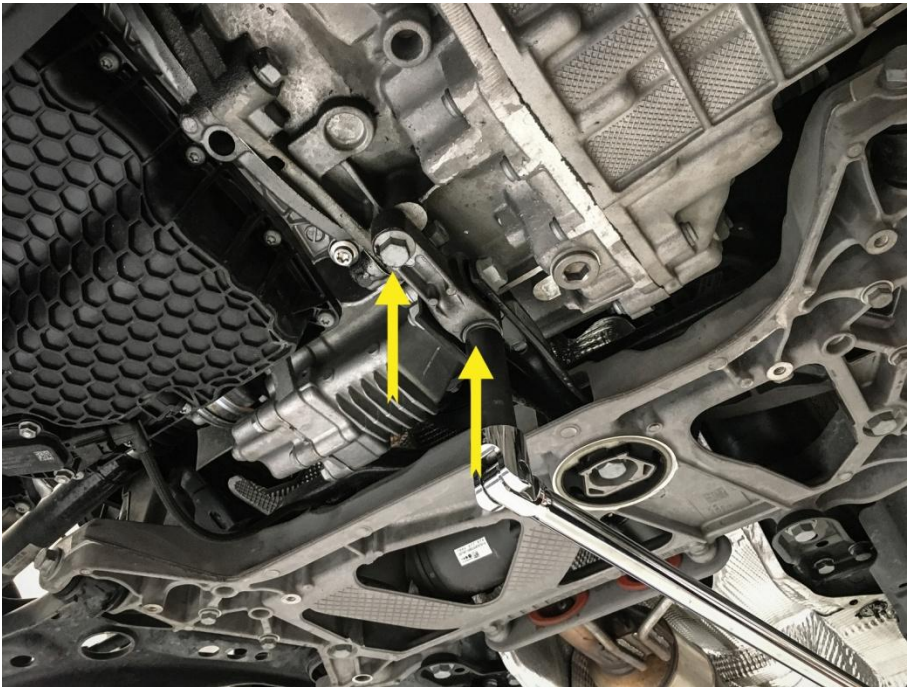
Using a 13mm Socket, loosen the two nuts on the slip clamp between the factory downpipe and exhaust system.



Please Note: Steps 4-10 are for AWD models only. For FWD models, please skip to Step 11.

Step 4 (AWD Only)

Using a 16mm Socket, remove the two 16mm bolts securing the factory dogbone mount to the transmission.



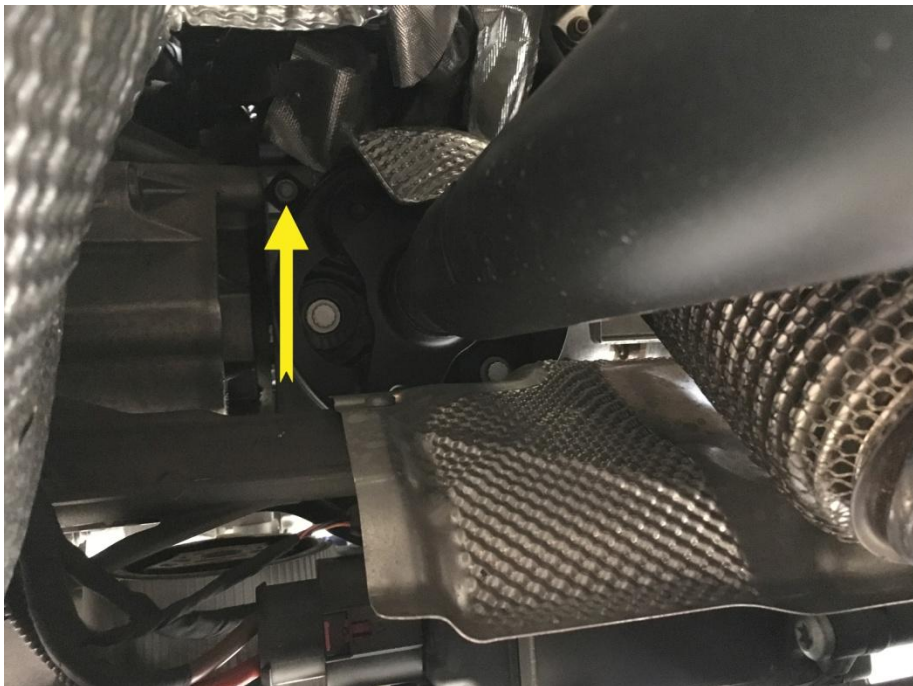
Step 5 (AWD Only)

Using an 8mm Allen, remove the two barrel nuts securing the heat shield for the passenger side CV joint. You may need extensions and swivel joints. Remove the heat shield.



Step 6 (AWD Only)

Remove driver side bolt securing the heat shield for the center driveshaft using a 10mm Triple Square. Using a 16mm Socket, remove the other bolt securing the heat shield, located underneath the barrel nut removed in Step 5.



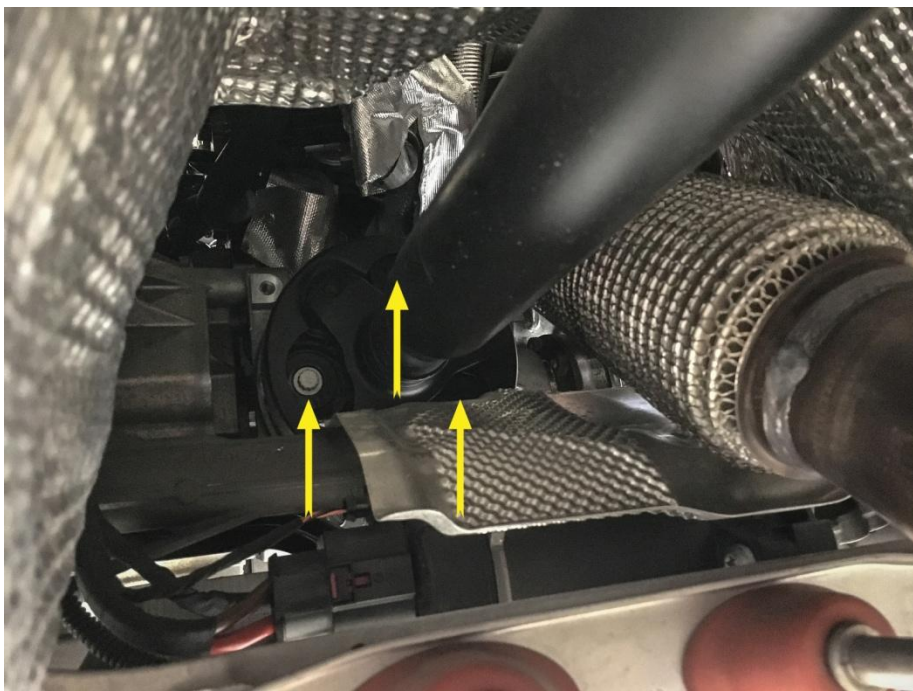
Step 7 (AWD Only)

Remove both heat shields and set them aside along with the factory hardware. Mounting hardware locations for these two heat shields are highlighted below.



Step 8 (AWD Only)

Lock the driveshaft to prevent it from turning. Remove the three center driveshaft bolts using a 10mm 12-Point Socket.



Please Note: We recommend replacing these bolts after removing. The part number for factory bolts is N90846102.

Step 8 (AWD Only)

Use a pry bar to rock the engine forward, separating the center driveshaft from the transmission.



Step 10 (AWD Only)

Once the center driveshaft is separated from the transmission, move it to the driver side of the tunnel.



Step 11

Using a 13mm Socket or wrench, remove the mounting nut for the downpipe, near the passenger side CV joint.



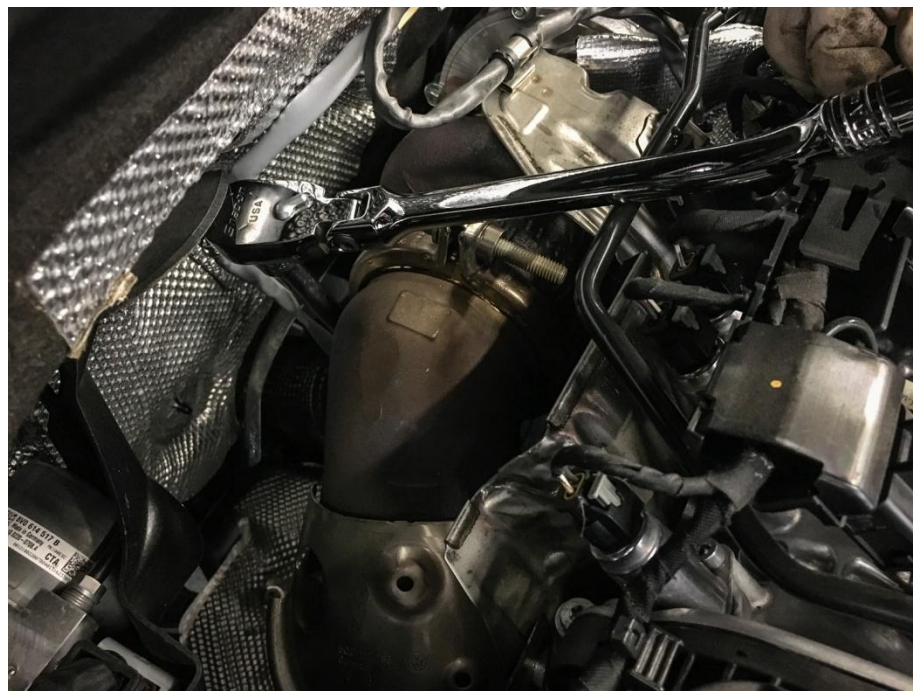
Step 12

Remove the engine cover to gain access to the factory downpipe.



Step 13

Using an O2 Sensor Socket, remove the primary oxygen sensor from the factory downpipe.



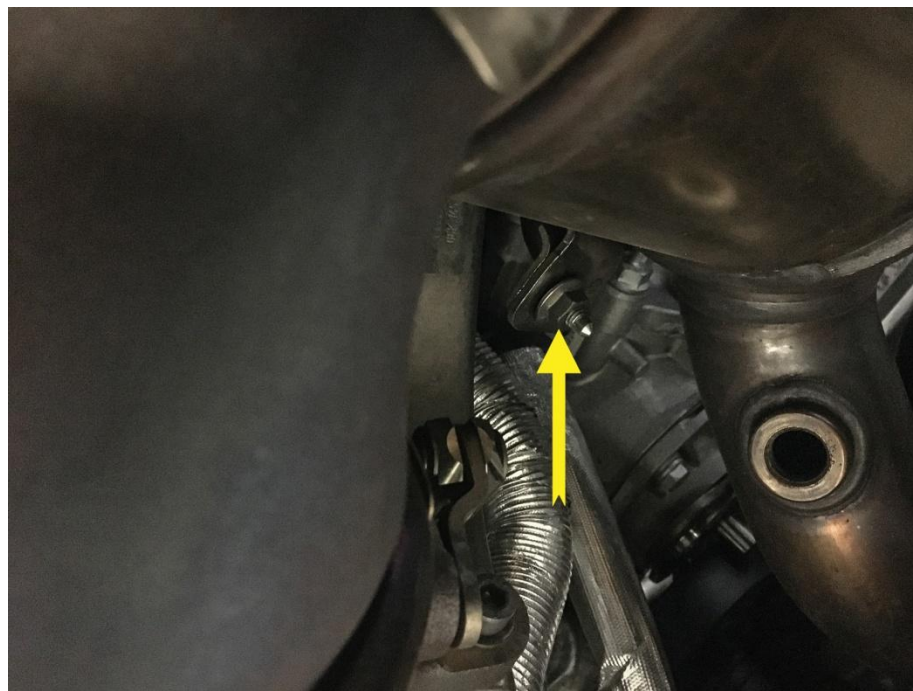
Step 14

Carefully set the primary oxygen sensor aside before proceeding with removal of the downpipe.



Step 15

Using a 13mm Socket or wrench, remove the driver side downpipe mounting bracket nut, by the oxygen sensor bung.



Step 16

Using a 6mm Allen, loosen the bolt securing the factory v-band clamp for the downpipe.



Step 17

Detach the downpipe from the turbocharger outlet and rest the v-band clamp on the turbocharger outlet.



Step 18

Separate the downpipe from the exhaust at the slip clamp, and carefully remove the factory downpipe from the vehicle.

Take care not to damage the factory heat shields.



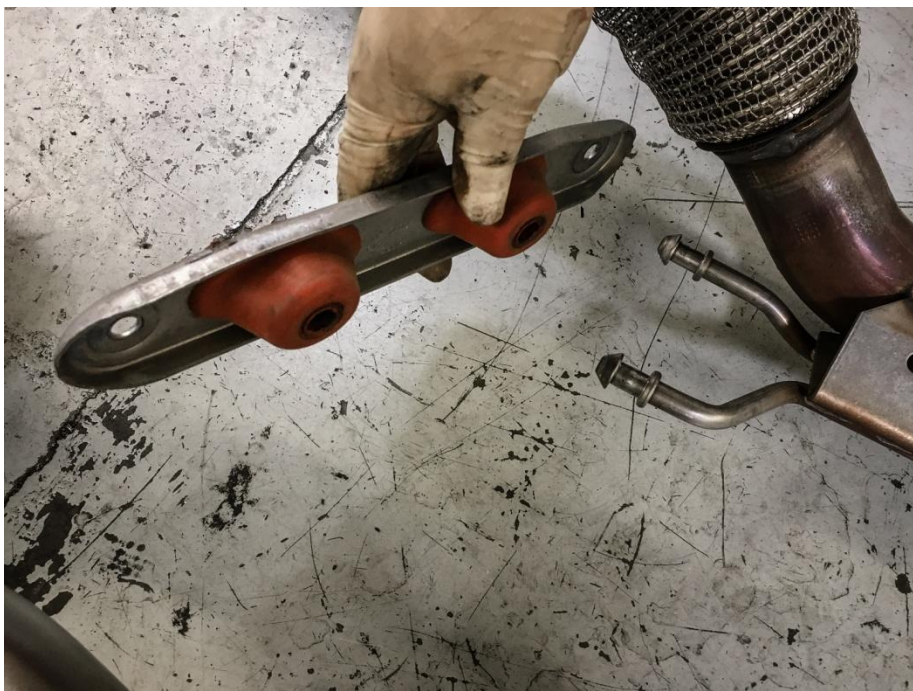
Step 19

Select the correct 034Motorsport Midpipe for your vehicle, and the supplied reducer for factory exhausts. The AWD configuration is shown below.



Step 20

Remove the factory downpipe mounting bracket from the stock downpipe, noting orientation.



Step 21

Install the factory downpipe mounting bracket onto the 034Motorsport Cast Downpipe in the correct orientation.



Step 22 (Optional)

If you are installing a new factory v-band sealing gasket, (5Q0253115B) remove the original one and replace it.



Step 23

Install the 034Motorsport Cast Downpipe. Secure the integrated bracket onto the mounting stud from Step 15.



Step 24

Loosely install the 13mm bolts securing the factory downpipe hanger to the front subframe.



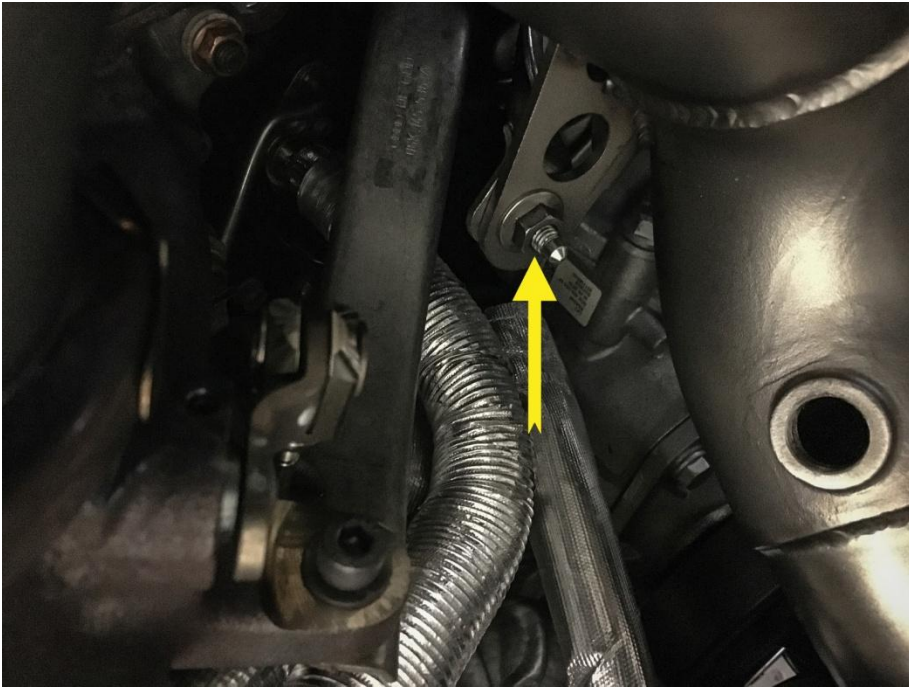
Step 25

Install the 034Motorsport Cast Downpipe onto the turbocharger outlet, and loosely tighten the v-band clamp.



Step 26

Using a 13mm Socket or wrench, install the top mounting nut for the downpipe, near the primary oxygen sensor bung.



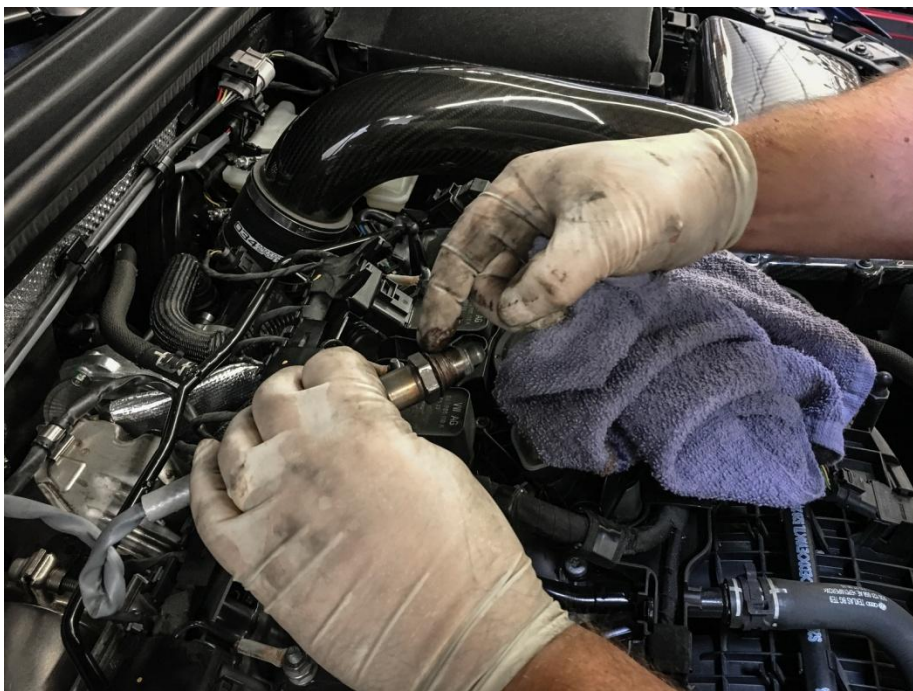
Step 27

Using a 6mm Allen, tighten the bolt securing the factory v-band clamp for the downpipe.



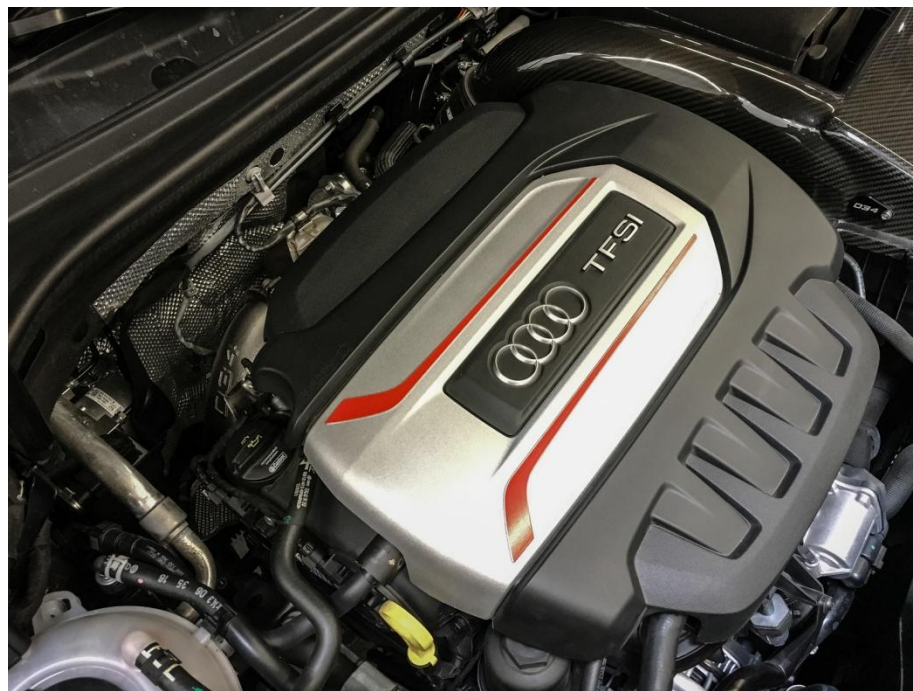
Step 28

Carefully apply anti-seize **only to the threads** of the oxygen sensor, and reinstall the sensor using an O2 Sensor Socket.



Step 29

Reinstall the engine cover after making sure that all downpipe hardware is properly installed.



Please Note: Steps 30-34 are for AWD models only. For FWD models, please skip to Step 35.

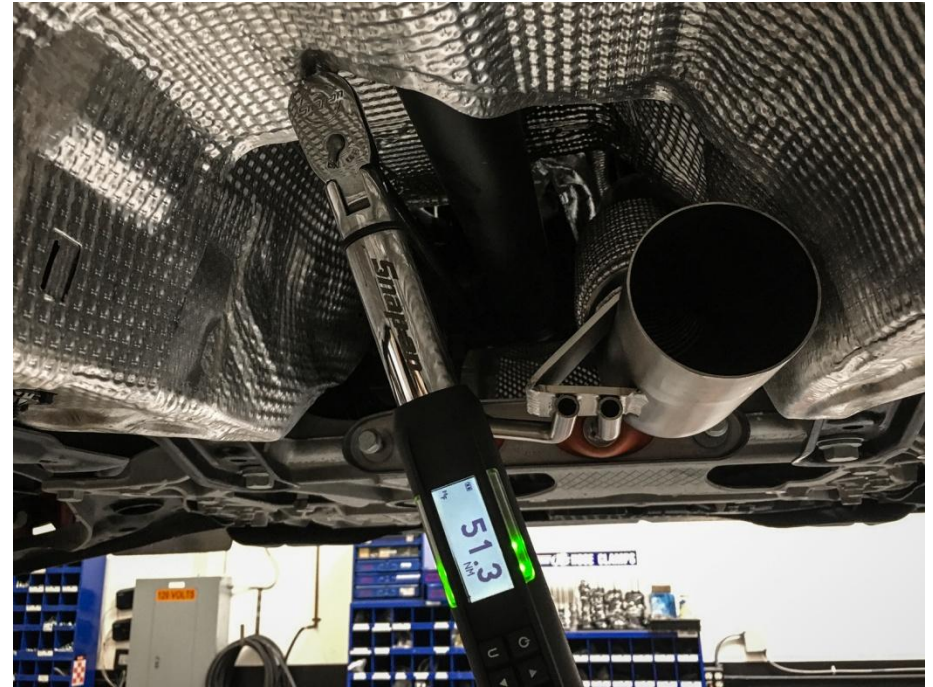
Step 30 (AWD Only)

Carefully align the locating bosses and reattach the center driveshaft to the transmission.



Step 31 (AWD Only)

Install new center driveshaft bolts and torque to 50 Nm + 90 Degrees using a 10mm 12-Point Socket. Unlock driveshaft.



Please Note: We recommend replacing these bolts after removing. The part number for factory bolts is N90846102.

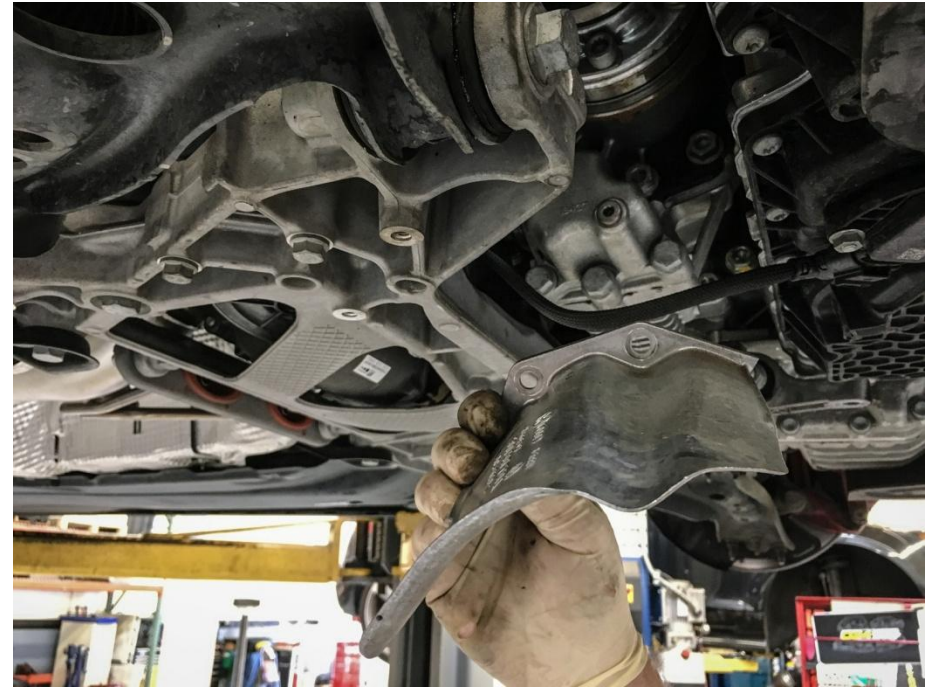
Step 32 (AWD Only)

Reinstall the center driveshaft heat shield. Secure using the 10mm triple square bolt and 16mm bolt removed in Step 6.



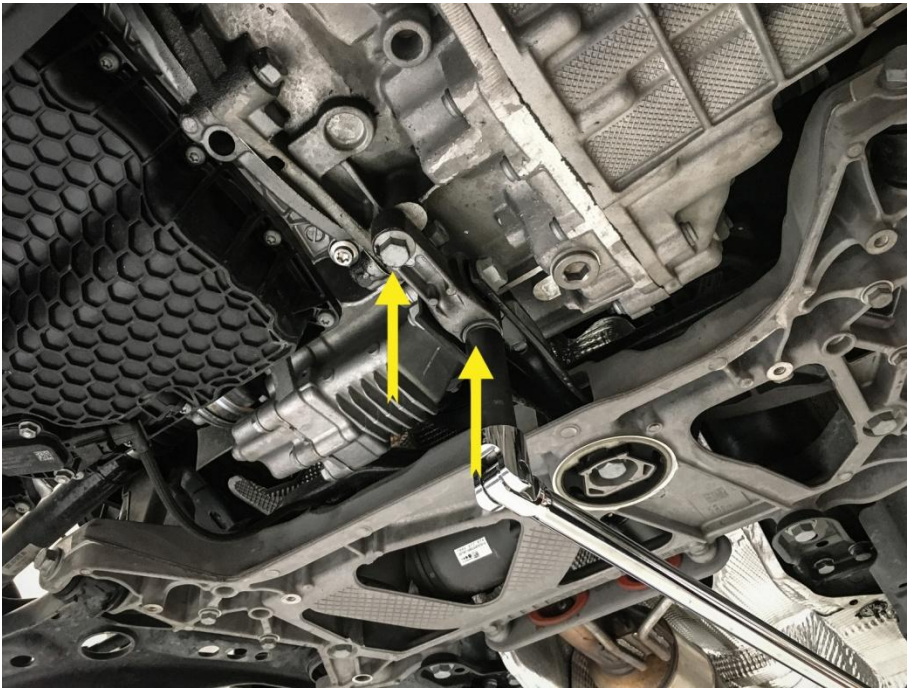
Step 33 (AWD Only)

Reinstall the passenger side CV heat shield. Secure using the barrel nuts removed in Step 6.



Step 34 (AWD Only)

Align the dogbone mount and reinstall the factory dogbone mount bolts. Torque to 50 Nm + 90 Degrees.



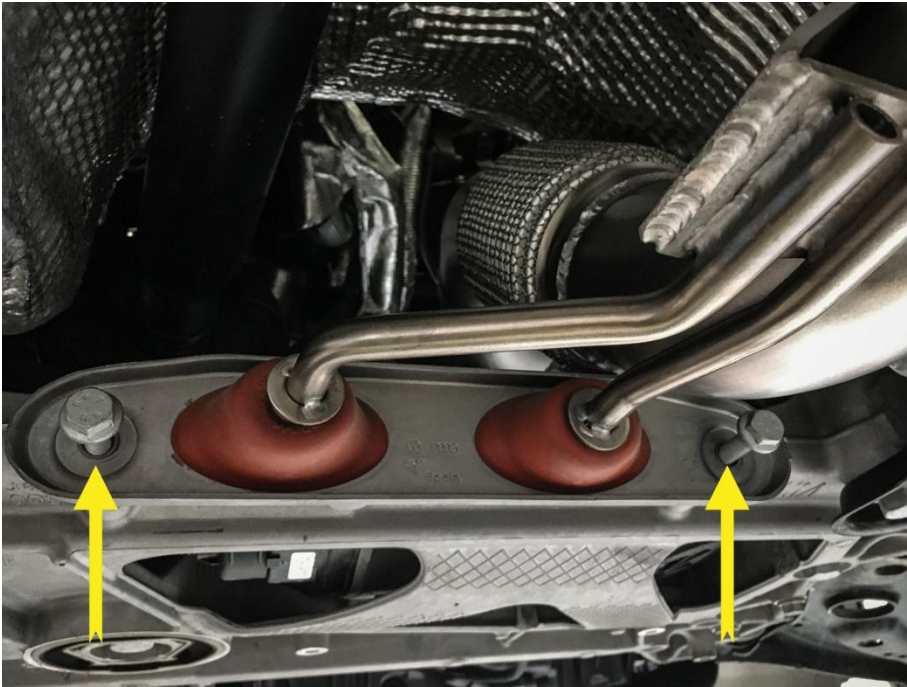
Step 35

Pre-install the supplied clamps onto the 034Motorsport Midpipe and transition. Mate to factory exhaust and 034Motorsport Cast Downpipe. Tighten clamps.



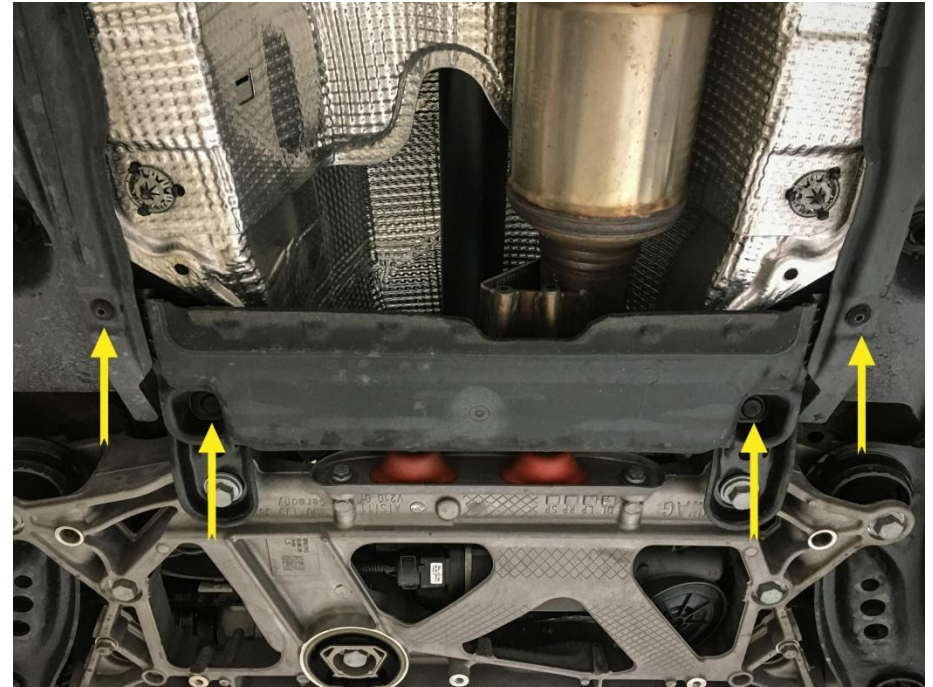
Step 36

Using a 13mm Socket, tighten the two bolts securing the downpipe hanger to the front subframe.



Step 37

Reinstall the plastic wind deflector and secure with two T20 Torx screws and two plastic clips.



Step 38

Ensure all connections are secure, reinstall the wheels, and lower your vehicle from the lift.

Important: This downpipe requires a [Stage 2 ECU remap](#) to eliminate any check engine lights due to removal of the factory catalyst.

Step 39

Enjoy the Upgrade!