

**B9 A4/A5 Race Catalyst****034 MOTOR SPORT**

The 034Motorsport Cast Stainless Steel Racing Catalyst is designed as a high-flow drop-in replacement for the restrictive catalytic converter to yield increased horsepower and torque throughout the powerband, reduced turbocharger lag, and an enhanced exhaust note.

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

**Installation Spiciness Rating: MILD**

Installation of your 034Motorsport Cast Racing Catalyst is a complex process. We recommend professional installation.

**Supplied Parts:**

- 034 Cast Stainless Steel Racing Catalyst
- Turbocharger Outlet Gasket
- Catalytic Converter Outlet Gasket
- (4x) M10 Copper Locknuts
- (3x) M8 Copper Locknuts
- (3x) M8x30 Studs

**Tools Needed:**

- T25 Torx Bit
- T20 Torx Bit
- 20mm 12-point socket
- 14mm socket
- 13mm socket
- 12mm socket
- 8mm socket
- 7mm socket
- 14mm wrench
- 10mm triple-square socket
- 5/32" Allen bit
- Torque wrench
- Pry bar

#### About This Guide

This Install Guide documents the installation process on a B9 Audi A4. There may be minor differences depending on specific vehicle, market, options, etc.

#### Getting Started

Confirm you have received all the parts included with your purchase by reading the complete guide, if there are missing components, please contact:

[customerservice@034motorsport.com](mailto:customerservice@034motorsport.com)

**\*Let the engine and exhaust cool off before starting**



#### Install Steps

##### **Step 1**

Open the hood.

##### **Step 2**

Remove engine cover by gently pulling upward.



##### **Step 3**

Push in the clip located on top of the hood release lever and lift up to remove.



**Step 4**

Gently lift up from each corner to pop the plastic core support shroud off.

**Step 5**

Using a T20 Torx bit, unscrew the 2 screws securing the air duct to the core support.

**Step 6**

Pull air duct away from the core support and lift up to remove from the engine bay.

**Step 7**

Slide the breather hose off the connector located on the turbo inlet hose.



**Step 8**

Using a 7mm or 8mm socket (depending on clamp), loosen the clamp securing the turbo inlet hose to the turbo.

**Step 9**

Lift up and remove the air box and turbo inlet hose assembly from the engine bay.

**Step 10**

Raise your vehicle securely. Using a flathead screwdriver, pop out the 2 clips securing the underbody panel to the car.

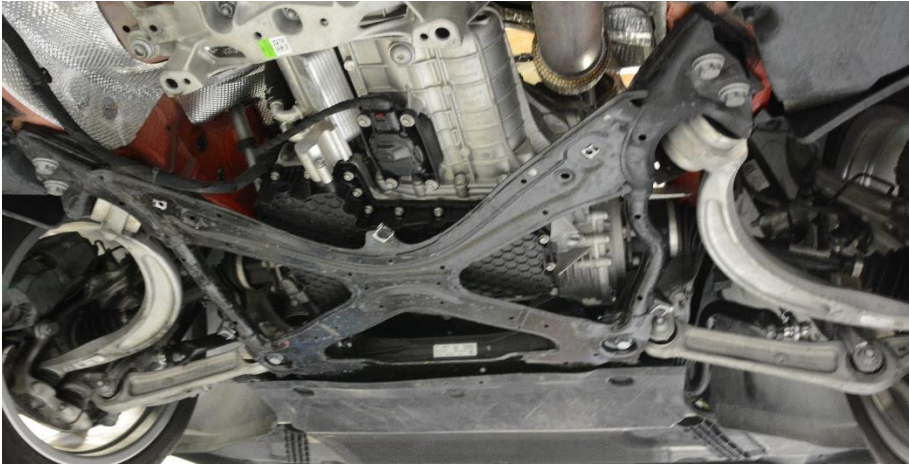
**Step 11**

Using a T25 Torx, unscrew the 5 ¼-Turn screws securing the underbody panel to the car.



**Step 12**

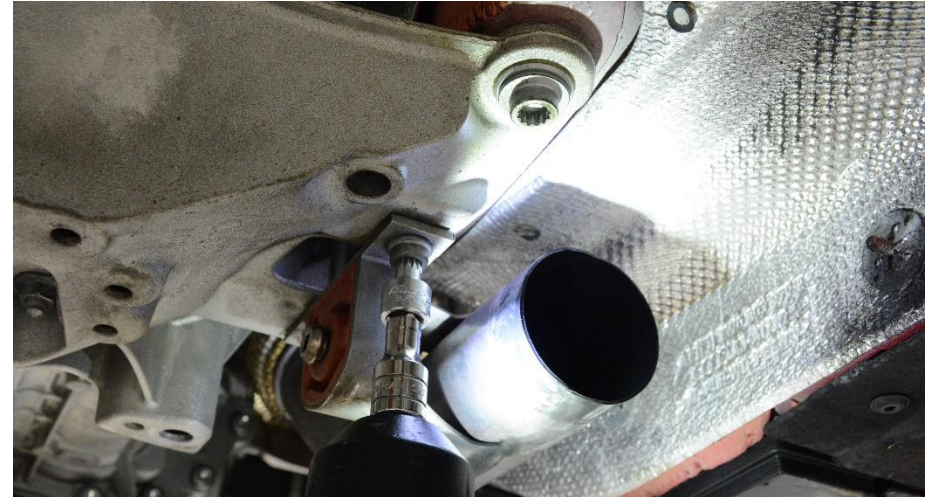
Remove the underbody panel from the car.

**Step 13**

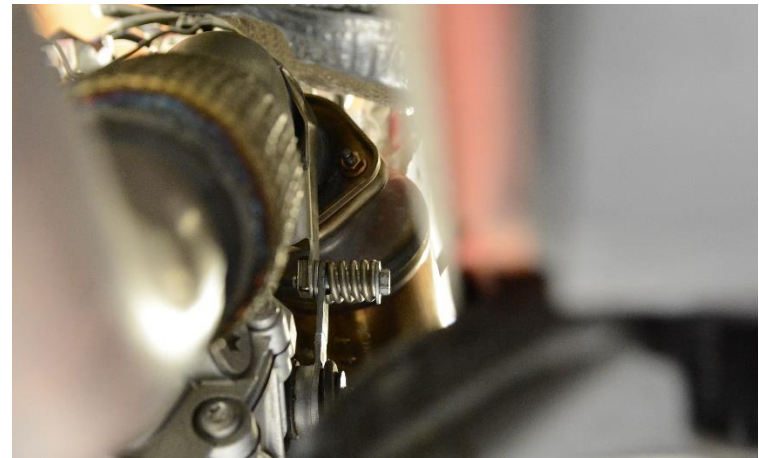
Using a 13mm socket, loosen the exhaust clamp securing the downpipe to the midpipe.

**Step 14**

Using a 10mm Triple Square, loosen the 2 bolts securing the lower downpipe hanger to the chassis.

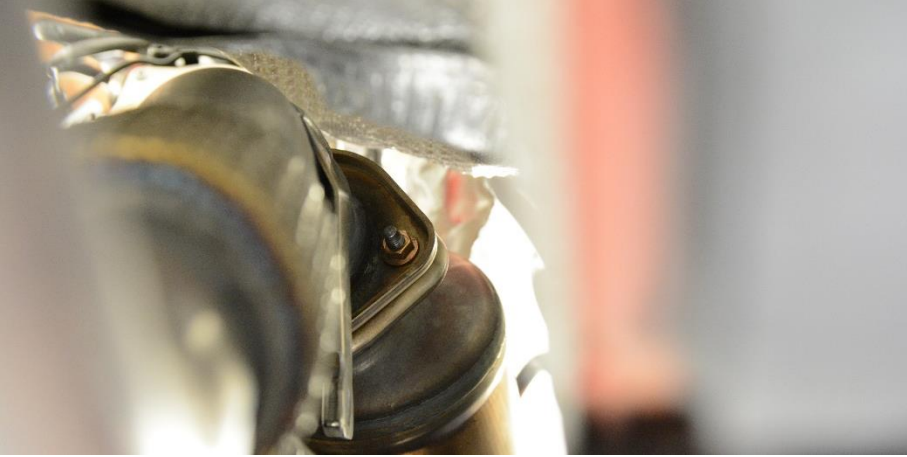
**Step 15**

Using a 13mm Wrench, loosen the bolt for the upper downpipe hanger and swing hanger down out of the way.



**Step 16**

Using a 12mm socket with extensions, remove the 1 accessible nut securing the downpipe to the factory catalyst.

**Step 17**

Lower the car so that you can access the catalyst from the engine bay. Using a 12mm Socket, remove the remaining 2 nuts securing the downpipe to the factory catalyst.

**Step 18**

Separate the downpipe from the factory catalyst.

**Step 19**

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



**Step 20**

Using a 14mm Wrench, remove the 4 nuts securing the catalyst to the turbo. For easier access to the lower 2 nuts, use extensions and a swivel socket from behind the catalyst.

**Step 21**

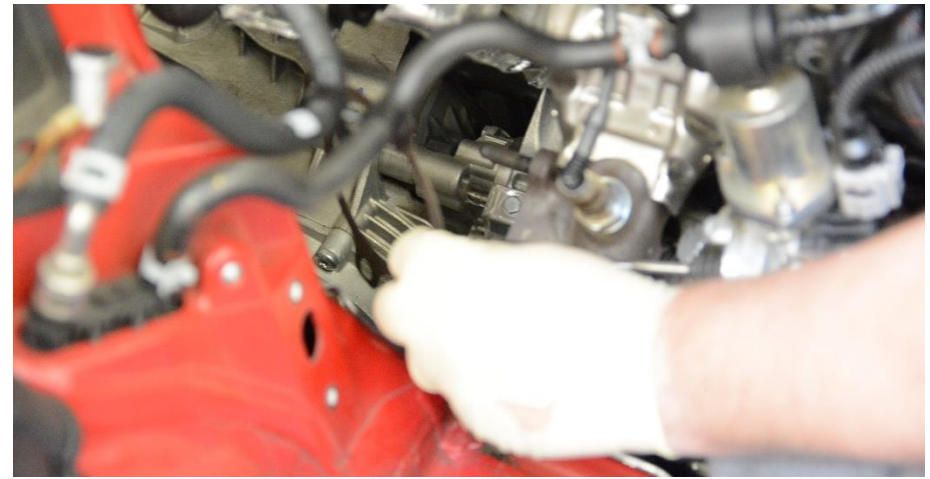
Move the factory catalyst back from the turbo toward the firewall.

**Step 22**

Remove the factory catalyst from the car by lifting from behind the engine, and in front of the firewall on the driver side of the engine bay.

**Step 23**

Remove the factory gasket from turbo studs.



**Step 24**

Install the supplied new factory turbo outlet gasket on the studs. Orient the gasket with the flat spot facing down.

**Step 25**

Using a 22mm Socket, remove the plug from the O2 bung on the 034Motorsport Racing Catalyst.

**Step 26**

Using a 5/32" Allen and red Loctite, install the 3 supplied M8 x 30mm Studs into the 034Motorsport Racing Catalyst. Apply anti-seize to 8mm and 10mm studs before installation.

**Step 27**

Install the new 034Motorsport Racing Catalyst using the reverse motion from removing the factory catalyst.





**Step 28**

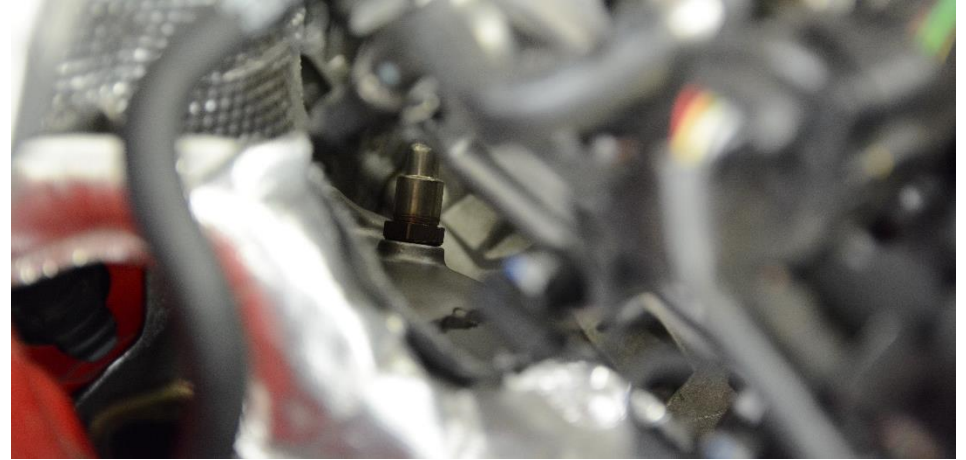
Using a 14mm socket and wrench, install 4 supplied M10 copper locknuts securing the 034Motorsport Racing Catalyst to the turbo.

**Step 29**

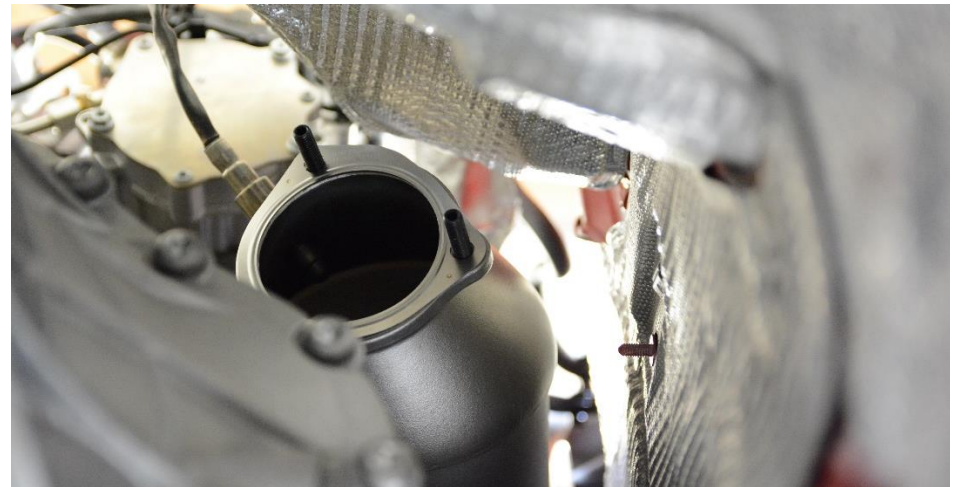
Unclip the O2 Sensor harness from plastic retaining clip to allow for new location on 034Motorsport Racing Catalyst.

**Step 30**

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

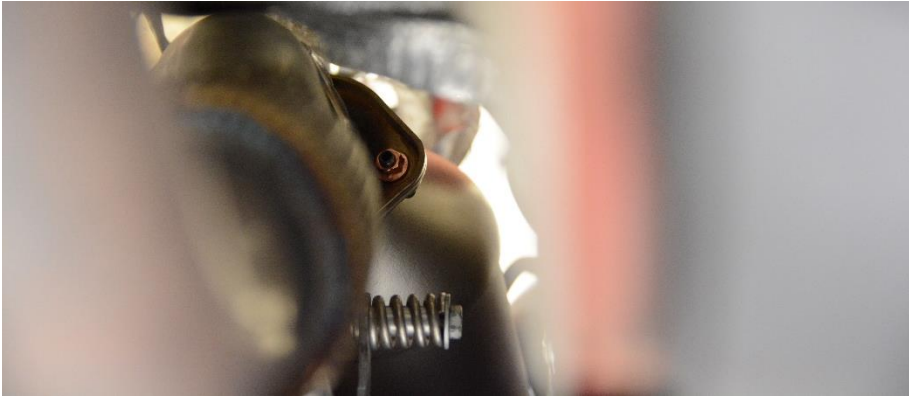
**Step 31**

Install the supplied factory gasket onto 034Motorsport Racing Catalyst outlet flange.

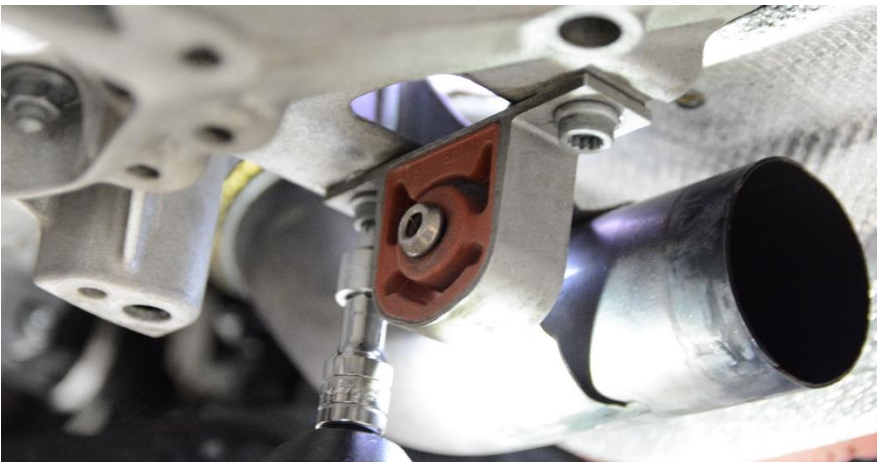


**Step 32**

Reinstall factory downpipe to 034Motorsport Racing Catalyst and thread in upper exhaust hanger using a 13mm Wrench. Once in place, install the supplied M8 locknuts to secure downpipe to 034Motorsport Racing Catalyst.

**Step 33**

Reinstall 2 M10 Triple-square Bolts securing lower downpipe hanger to chassis.

**Step 34**

Reinstall the factory exhaust clamp securing the downpipe to the midpipe. Once secure, reinstall factory underbody panel with 5 ¼-Turn screws and 2 push-in plugs.

**Step 35**

Reinstall the air box and turbo inlet hose. Secure turbo inlet hose to turbo by tightening the hose clamp with a 7mm or 8mm Socket (depending on hose clamp).



**Step 36**

Reinstall factory vacuum line to turbo inlet hose.

**Step 37**

Reinstall the factory air duct and 2 mounting screws using a T20 Torx bit.

**Step 38**

Reinstall the plastic core support shroud, hood release lever, and plastic engine cover.

**Step 39**

Ensure all connections are secure 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 40**

Enjoy your new upgrade!