

[Cast Stainless Steel Performance Downpipe, Audi 8S TTRS and 8V.5 RS3](#)



034 MOTOR SPORT

The 034 downpipe solution includes an integrated v-band flange at the turbine outlet, integrated oxygen sensor bung after the catalyst, OEM-style corrugated flex bellow, and factory-location exhaust hanger.

Installation Spiciness Rating: Ass Burning



Estimated time of completion: 5-6 hours

### Supplied Parts:

- Cast stainless steel downpipe
- 2 downpipe gaskets
- All necessary hardware

### Tools Needed:

- T40 Torx bit
- T30 Torx bit
- T25 Torx bit
- 5mm Allen
- 10mm triple square socket
- 12mm swivel socket
- 13mm socket
- 18mm socket

### About This Guide

This Install Guide documents the installation process of 034Motorsport's cast downpipe for the RS3/TTRS. There may be other minor differences with your vehicle depending on specific vehicle, market, options, etc. This TTRS was equipped with a Milltek cat-back exhaust system.

### Getting Started

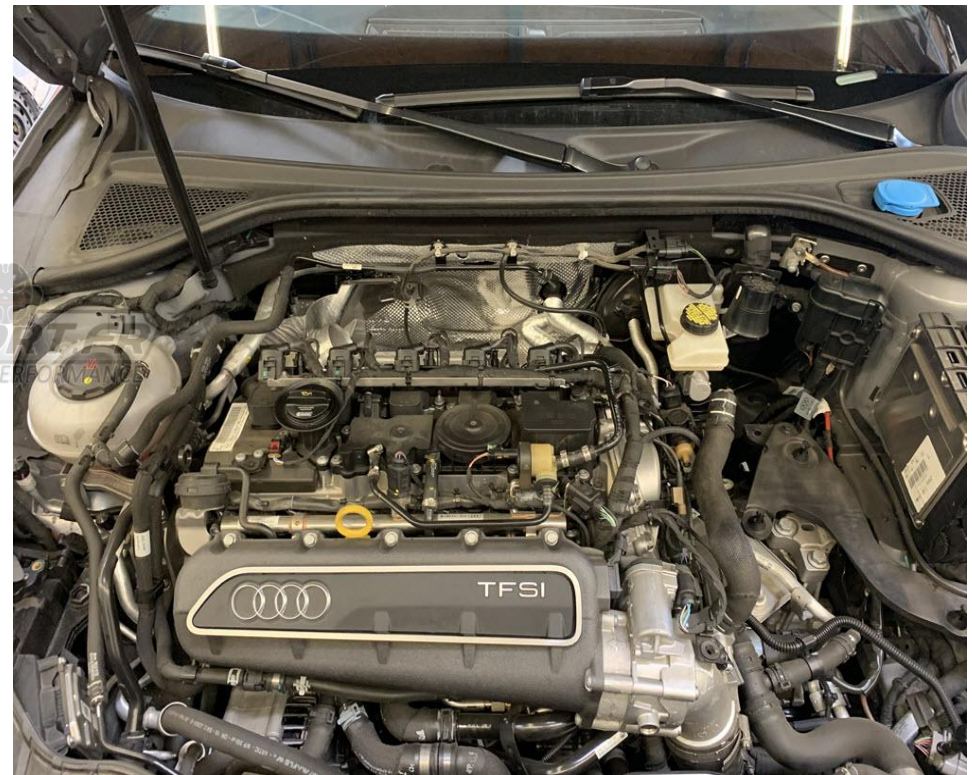
Confirm you have received all the parts included with your purchase by reading the complete guide, if there are missing components, please contact:  
[customerservice@034motorsport.com](mailto:customerservice@034motorsport.com)

### **Step 1**

Raise the car off the ground, either with a lift, or a jack and jack stands. When using a jack, **ALWAYS** use jack stands. Being crushed by your car will put a real damper on your day.

### **Step 2**

Remove engine cover and intake/airbox.



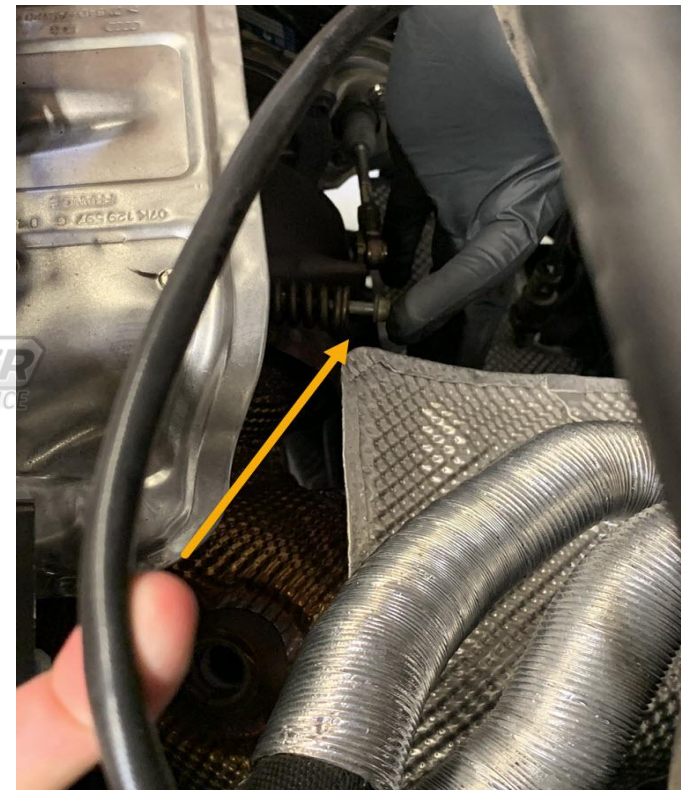
### Step 3

Remove oxygen sensor from OE downpipe.



### Step 4

Using a T25 Torx bit, loosen V-band clamp between turbo and downpipe.



**Step 5**

Using a 12mm swivel socket, remove the 3 nuts securing the downpipe to each downpipe outlet flange (6 total).

**Step 6**

Using a 13mm socket, remove the chassis tunnel brace.



### Step 7

Disconnect the exhaust valve electronics (one on each side).



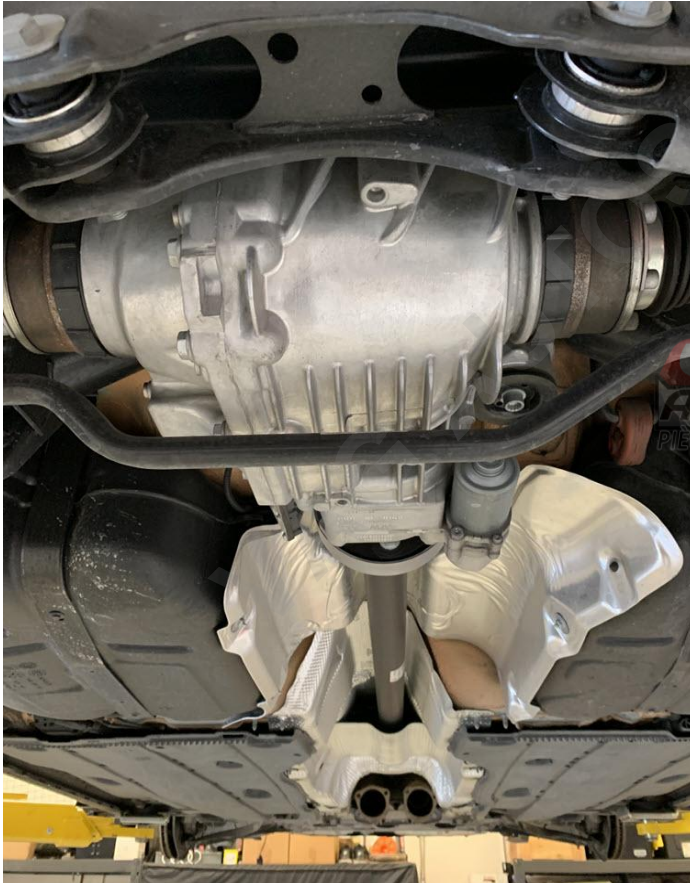
### Step 8

Remove the 3 exhaust hanger bracket bolts.



**Step 9**

Remove the exhaust system.

**Step 10**

Remove the press-nuts from the underbody heat shielding.



### Step 11

Using an 8mm allen, remove the cover for the front axle.



### Step 12

Remove upper driveshaft cover.



**Step 13**

Remove the downpipe support bracket.

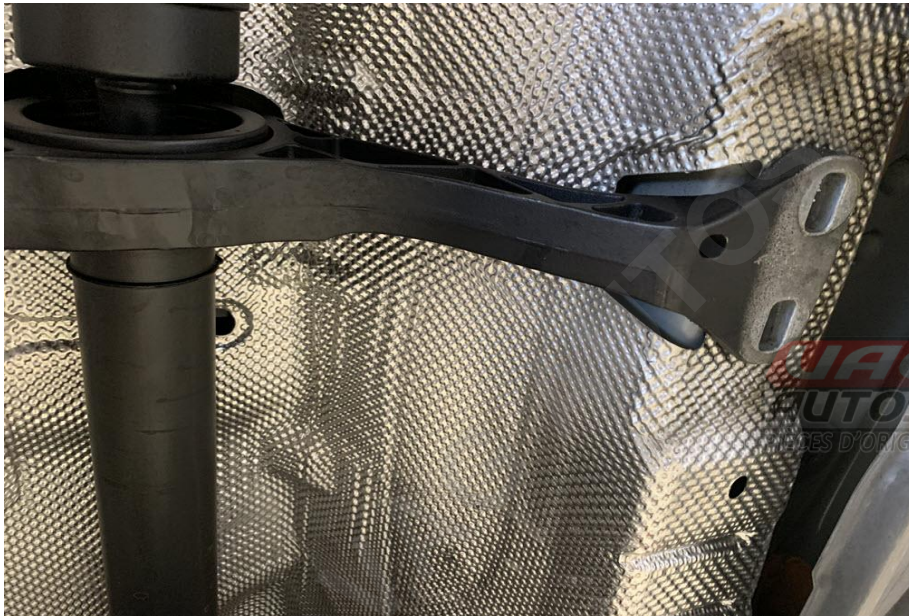
**Step 14**

Using a 10mm triple-square socket, remove the driveshaft bolts from the rear differential.



**Step 15**

Using a 13mm socket, remove the driveshaft carrier bracket.

**Step 16**

Using 18mm and 21mm sockets, remove the dogbone mount.



**Step 19**

Disconnect the headlight level sensors.

**Step 20**

Using an 18mm socket, remove the front swaybar endlinks.

**Step 21**

Using a driveshaft removal tool, disconnect the driveshaft from the center differential (transmission).

**Step 22**

Using an 18mm socket, remove the rear bolts attaching the subframe, and let it hang.



**Step 23**

Remove the v-band clamp connecting the turbo/downpipe.

**Step 24**

Carefully remove the old cat from the car, minding the heat shielding on the firewall, tunnel, and underbody.

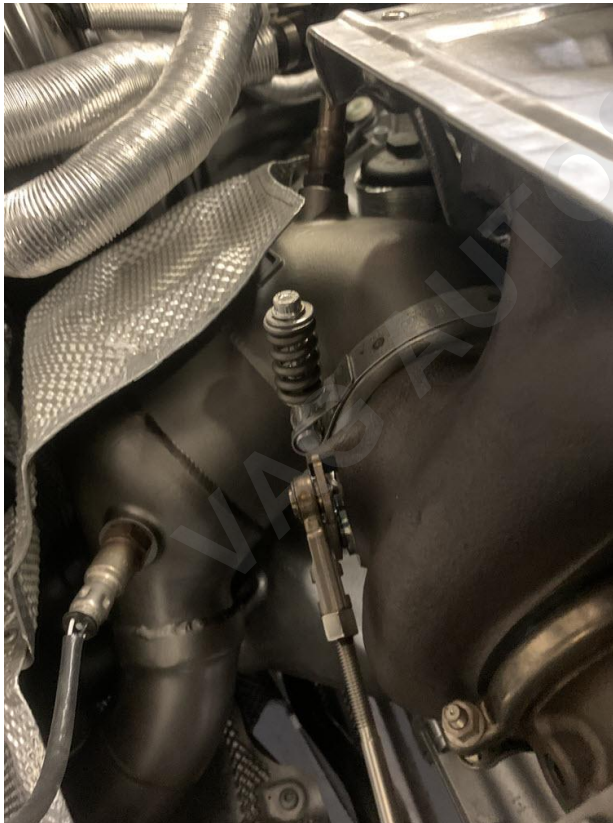
**Step 25**

Remove downpipe support bracket from the old cat and swap it over to the 034 unit.



**Step 26**

Attach new v-band clamp to the turbo, and slide the new 034 cat into place. Use T25 Torx to tighten the spring-loaded bolt.

**Step 27**

Reinstall the driveshaft and driveshaft support bearing.

**Step 28**

Return the subframe back into place.

**Step 29**

Put the front swaybar endlinks back on.

**Step 30**

Put the subframe puck and dogbone back into place.

**Step 31**

Reconnect the headlight level sensors.

**Step 32**

Reconnect the downpipe support bracket to the chassis.

**Step 33**

Put the upper driveshaft cover into place.

**Step 34**

Return the front axle cover back into place.

**Step 35**

Using a socket, press the push-lock washers back on to secure the heat shielding.

**Step 36**

Put cat-back exhaust system back into place, and return the exhaust hanger bracket bolts.

**Step 37**

Reconnect exhaust valve plug ends.

**Step 38**

Return the undercarriage bar.

**Step 39**

Install the provided hardware to connect downpipe to the exhaust system.

**Step 40**

Reinstall the oxygen sensor.

**Step 41**

Put the airbox and engine cover back into place.

**Step 42**

Sit back and enjoy the fruits (and hrspwrs) of your hard labor!

