

## FWD MQB Stage 2 Billet Catch Can Kit

**034 MOTORSPORT**

Designed to provide optimal crankcase ventilation while keeping oil and water vapor out of the intake tract, the 034Motorsport Billet Catch Can Kit eliminates potential boost leaks caused by factory plastic components and prevents oil deposits from building up on the intake manifold and intake valves.

## Installation Spiciness Rating: Spicy



Installation of your 034Motorsport Billet Catch Can Kit is a straightforward process that will take approximately 4 hours to complete.

### Supplied Parts:

- 034 Catch Can Assembly & Mounting Plate
- 034 Billet VC Breather Adapter
- Barbed 1/8" NPT Fitting
- (2x) -10 AN Inlet/Outlet Hoses
- Valve Cover Adapter Fittings
- Hose Separator

### Tools Needed:

- 16mm Socket
- 10mm Socket
- T30 Torx bit
- 5mm Allen
- 3mm Allen
- Torque Wrench
- Extensions
- Crescent Wrench
- Flathead Screwdriver

## About This Guide

This Install Guide documents the installation process on a 2017 Audi S3 and a MK7 VW GTI. The actual installation process for your vehicle may vary by model, due to factory options, or because of existing aftermarket modifications you have installed.

## 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)

## Installation Steps

### **Step 1**

Remove the engine cover by lifting up and pulling forward, toward the front of the vehicle.



### **Step 2**

Using a 10mm Socket, remove the bolt securing the washer reservoir.



### **Step 3**

Carefully remove the washer reservoir from the engine bay by pulling up and out.

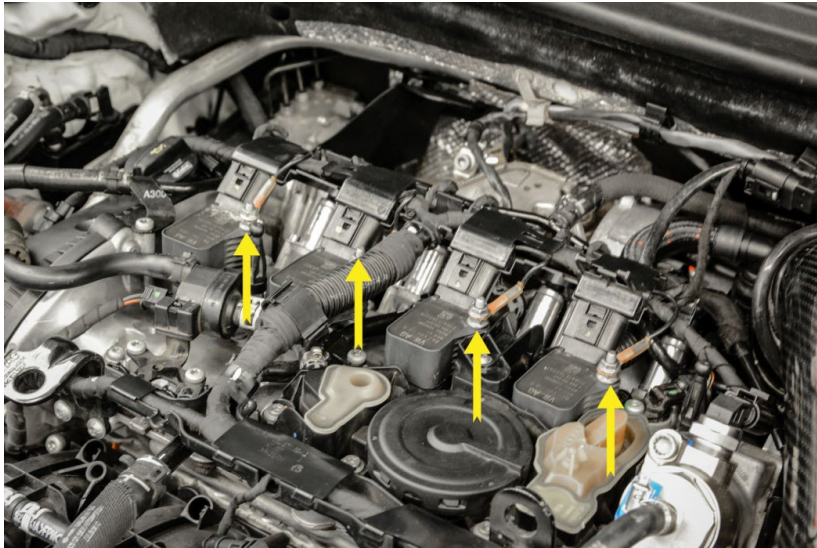
**Note:** Any washer fluid still in the reservoir will drain out when the reservoir is removed.





**Step 4**

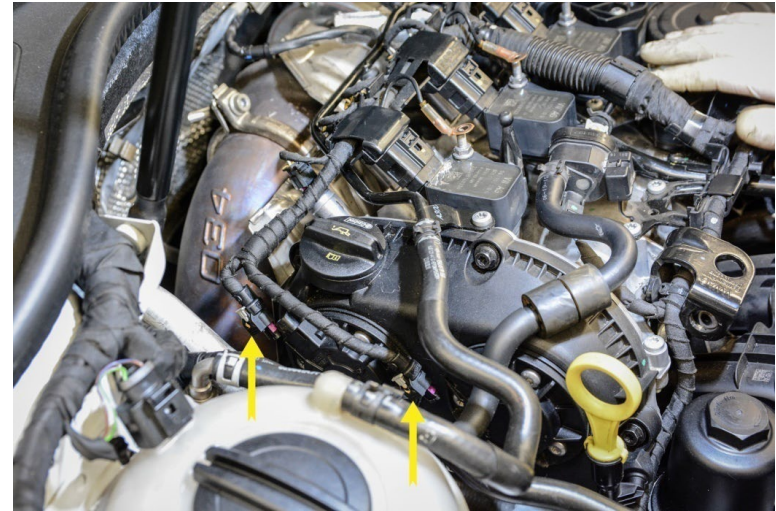
Using a 10mm Socket, remove the nut securing the coil harness to each coil pack (4 total).

**Step 5**

Remove the ground eyelets from each coil pack.

**Step 6**

Disconnect the 2 Cam Adjuster Connectors located on the passenger side of the motor, below the oil fill cap.

**Step 7**

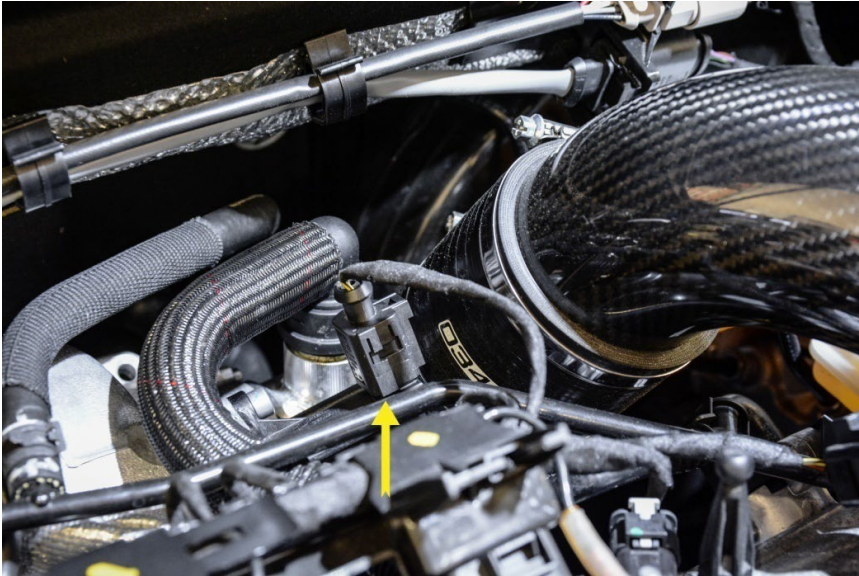
Disconnect the Valve Solenoid Connectors. There should be 8 in total.



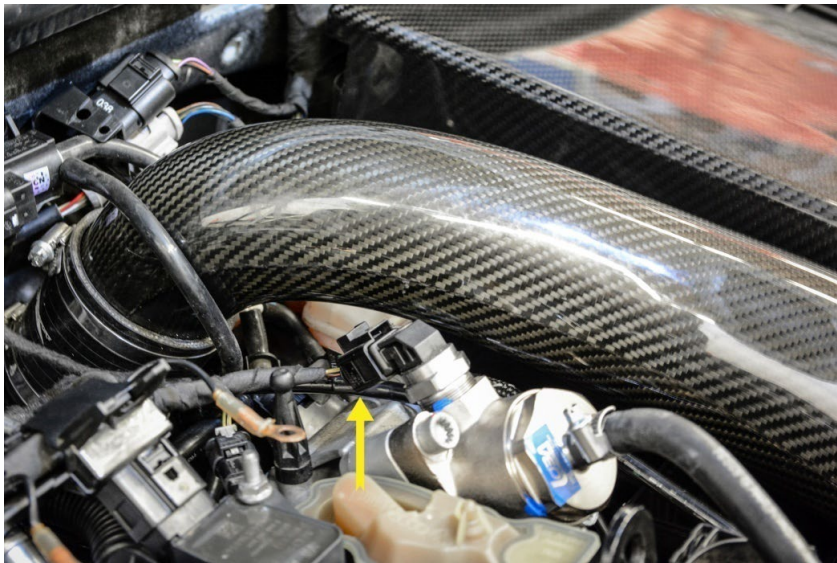


**Step 8**

Disconnect the Diverter Valve connector.

**Step 9**

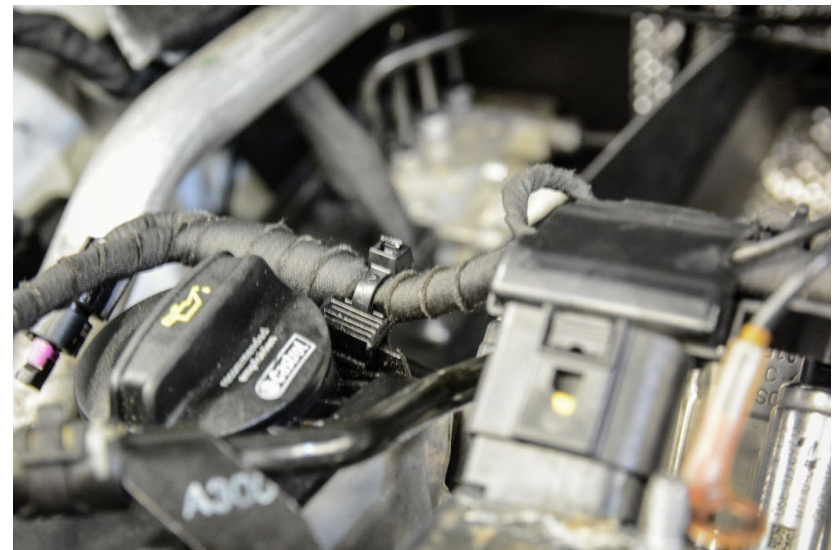
Disconnect the High Pressure Fuel Pump (HPFP) connector.

**Step 10**

Disconnect Cam Position connector, located in front of the 2<sup>nd</sup> coil pack from the left.

**Step 11**

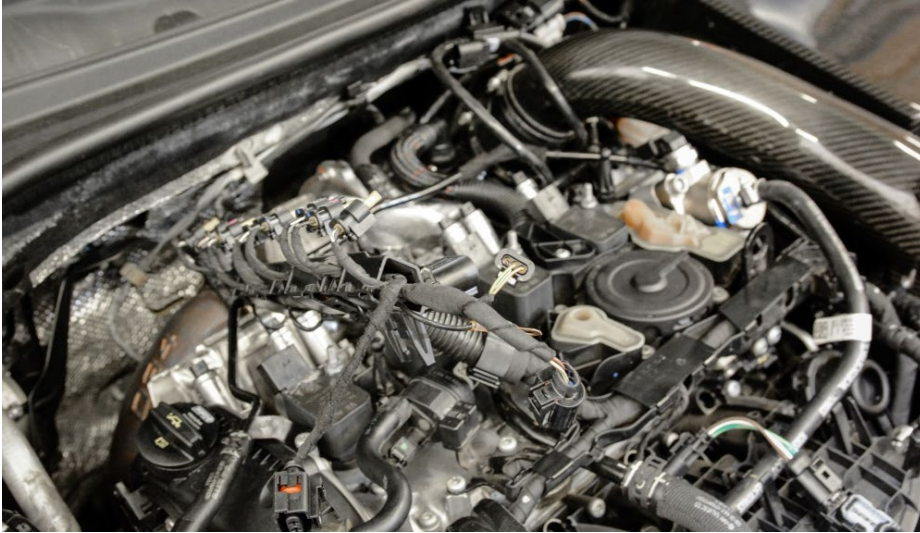
Unclip the coil harness from the plastic clip near oil fill cap.



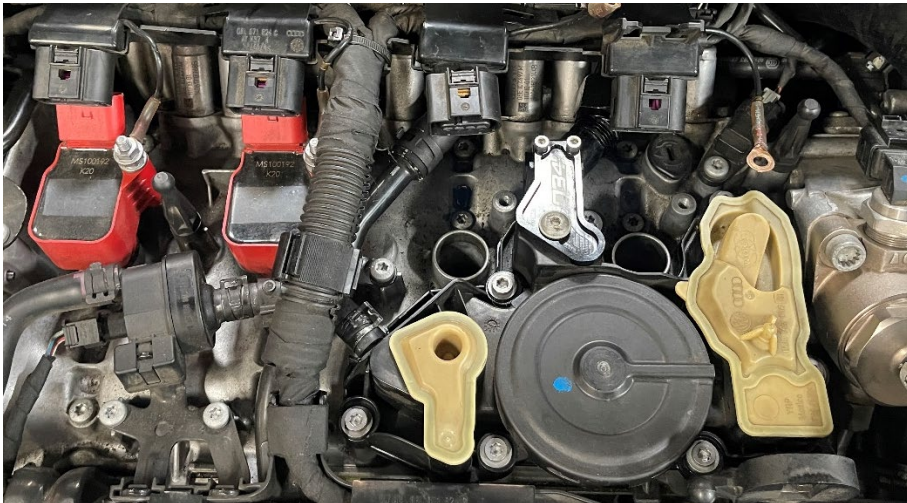


**Step 12**

Lift coil pack harness up and away from the driver side of the engine bay for better access.

**Step 13**

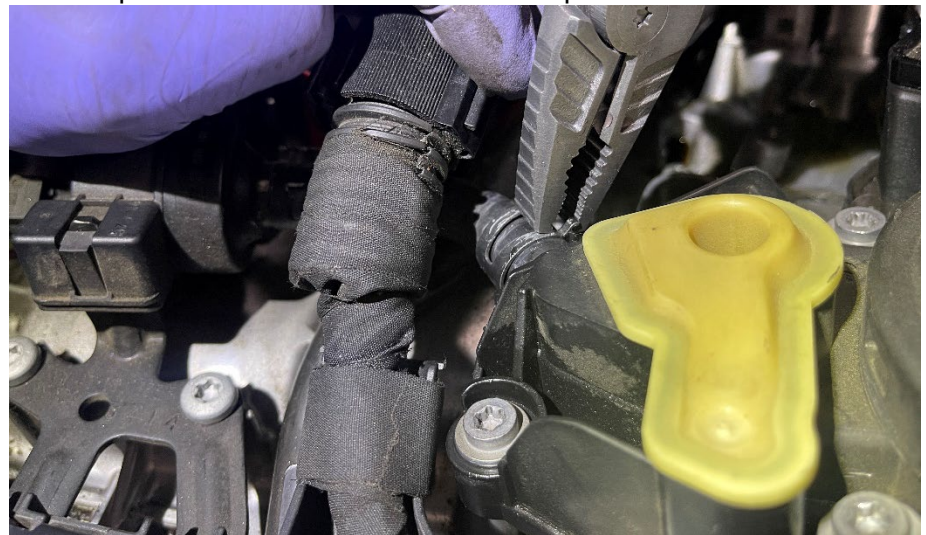
Using a 10mm Socket, remove the stud securing the two coils furthest to the right and remove.

**Step 14**

Remove recirculation hose from the turbo inlet.

**Step 15**

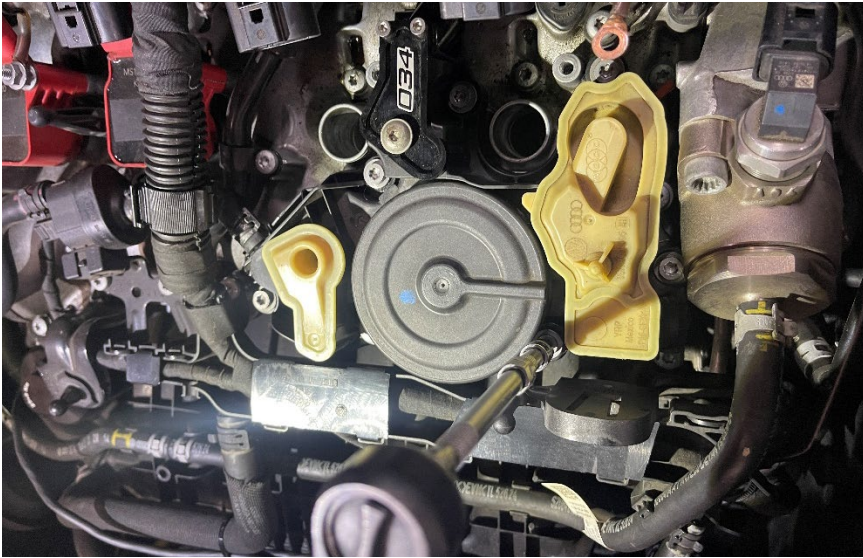
Use pliers to loosen the hose clamp from the PCV hose.



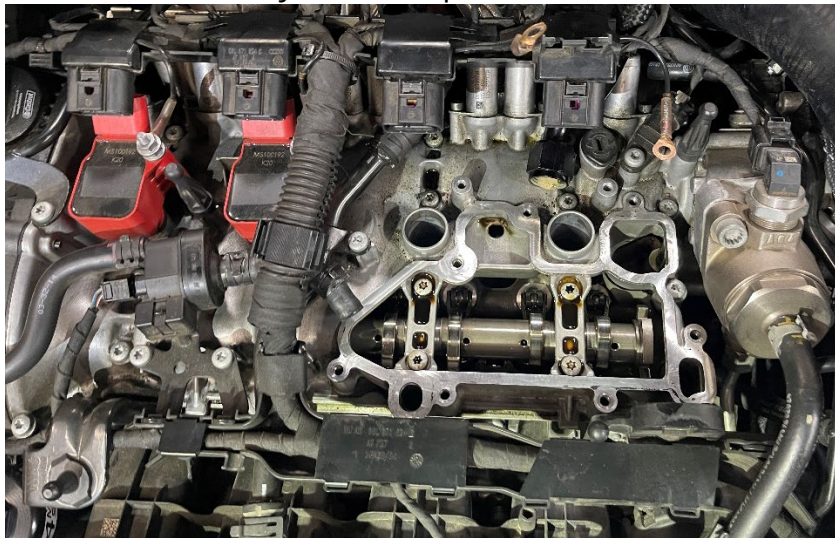


**Step 16**

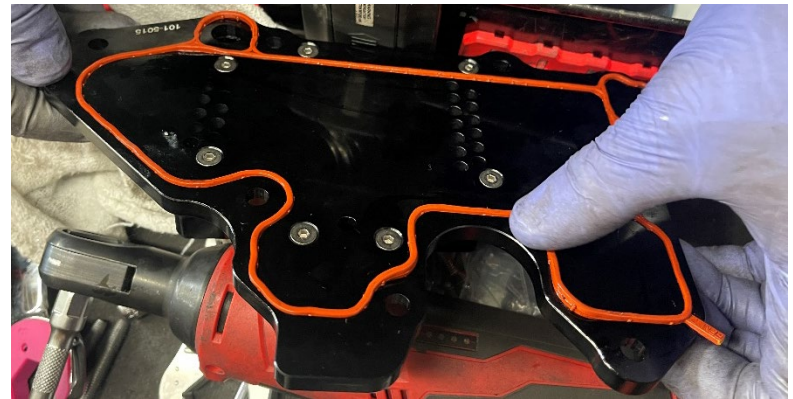
Using a T30 Torx, remove the hardware from the factory breather plate.

**Step 17**

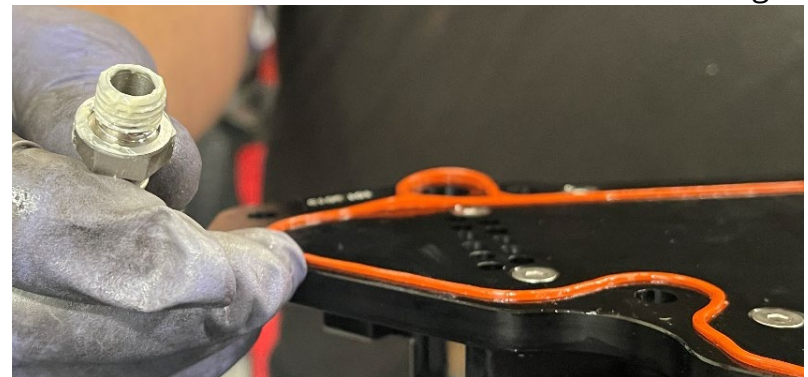
Remove the factory breather plate from the valve cover.

**Step 18**

Transfer the sealing gasket over to the 034 breather plate.

**Step 19**

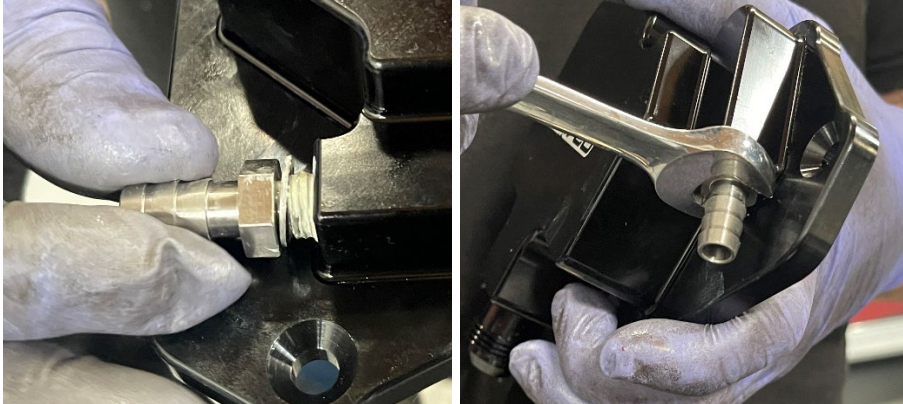
Add some thread sealer to the barbed NPT fitting.





**Step 20**

Install the NPT fitting into the 034 breather plate and tighten it down with a 13mm wrench.

**Step 21**

Install the PCV hose onto the barbed fitting and secure it with the hose clamp.

**Step 22**

Place the 034 breather plate into the factory location.

**Step 23**

Using a 4mm Allen, secure the 034 breather plate to the valve cover.



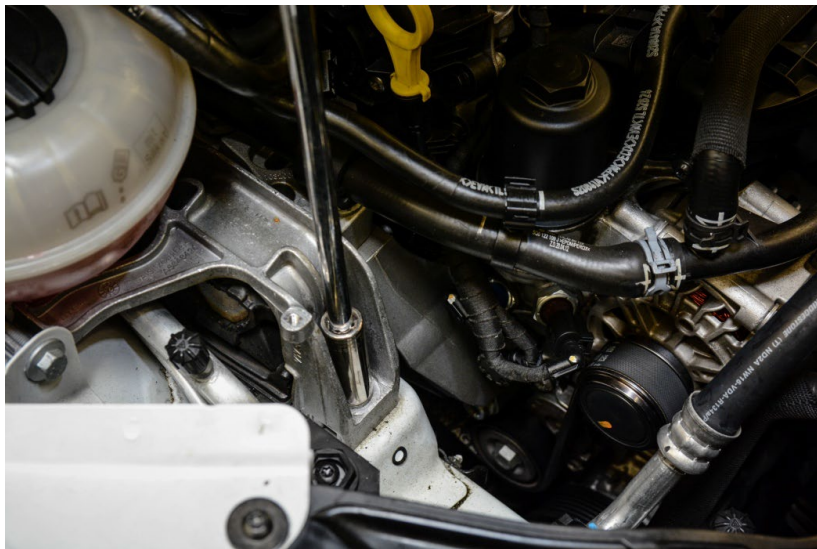


**Step 24**

Torque the hardware to **9Nm**.

**Step 25**

Using a 16mm Socket, remove the bolt securing the front of the motor mount to the chassis.

**Step 26**

Install the 034Motorsport Billet Catch Can in engine bay and secure bottom mounting plate to the motor mount using the factory mounting bolt and a 16mm 6-Point Socket.

**Step 27**

Torque factory motor mount bolt to **40 Nm + 90°**.





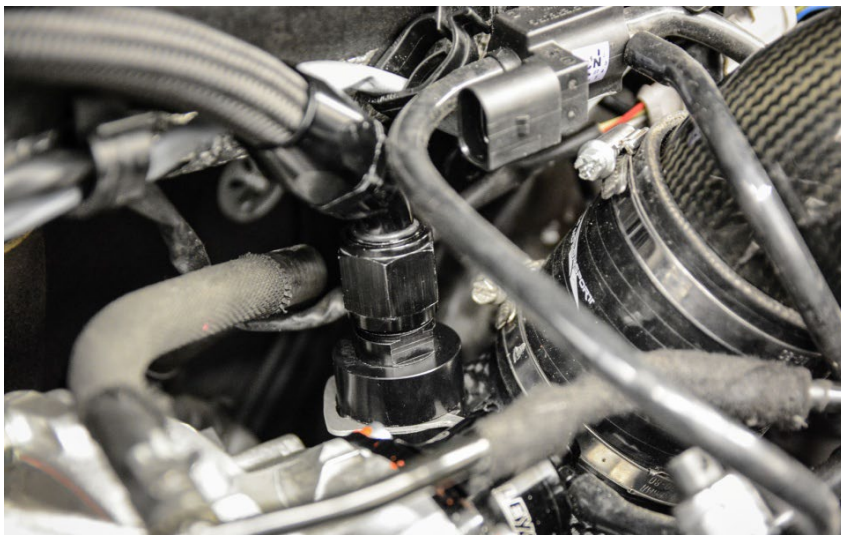
## Step 28

Thread 034Motorsport Recirculation Adapter onto supplied braided stainless steel line.



## Step 29

Install the supplied clip into the 034Motorsport Recirculation Adapter (make sure not to spread the legs of the clip). The complete assembly will snap onto the turbo inlet.



## Step 30

Install braided hoses onto 034Motorsport Billet Catch Can and snug the fittings.

**Note:** The "Inlet" of the catch can go to the valve cover, "Outlet" goes to the turbo inlet.



## Step 31

Connect the AN line to the 034 breather plate and tighten it with a crescent wrench.





**Step 32**

Install supplied Dual Hose Separator for clean hose routing through your engine bay.

**Step 33**

Reinstall the two coils removed earlier.

**Step 34**

Reinstall the coil mounting studs, and secure them with a 10mm socket,

**Step 35**

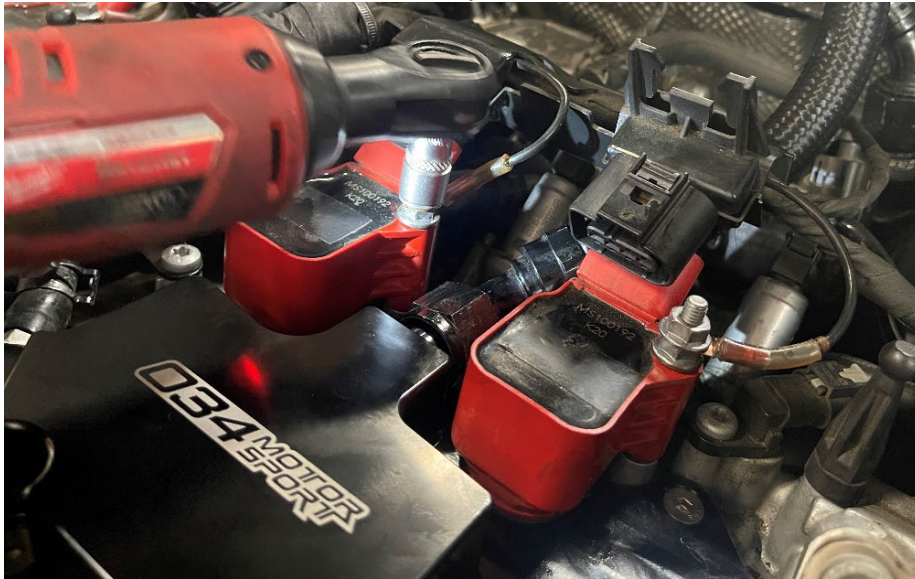
Reinstall the ground straps onto the studs.





**Step 36**

Using a 10mm socket, reinstall the nuts over the ground straps.

**Step 37**

Reinstall the coil connectors.

**Step 38**

Reinstall the engine cover.

**Step 39**

Step back and marvel at your handiwork. Your car not only looks better but will perform better and for longer.

