

AWD MQD 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
- Washer Reservoir Replacement Tube
- 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

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

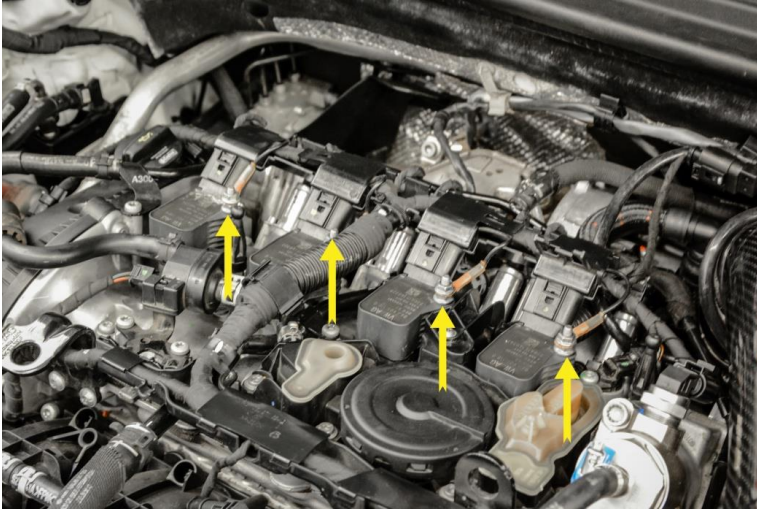
Carefully remove the washer reservoir from the engine bay by pulling up and out.

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.

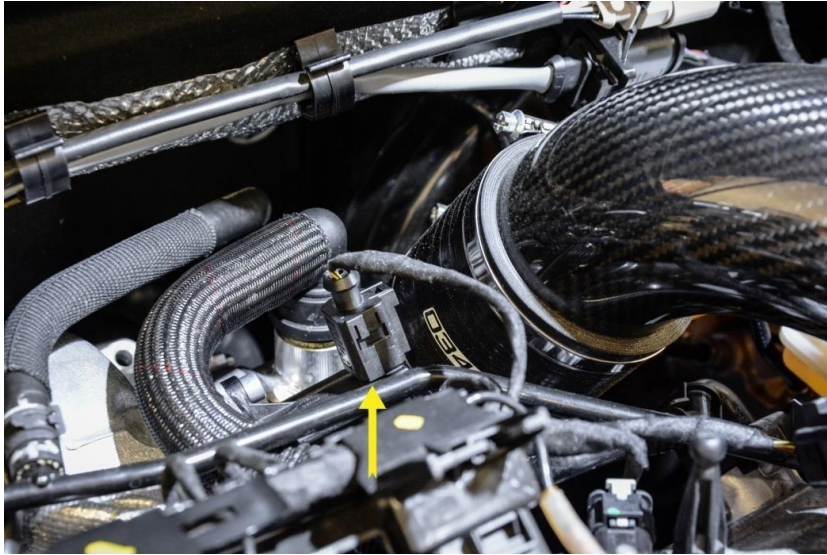
**Step 7**

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



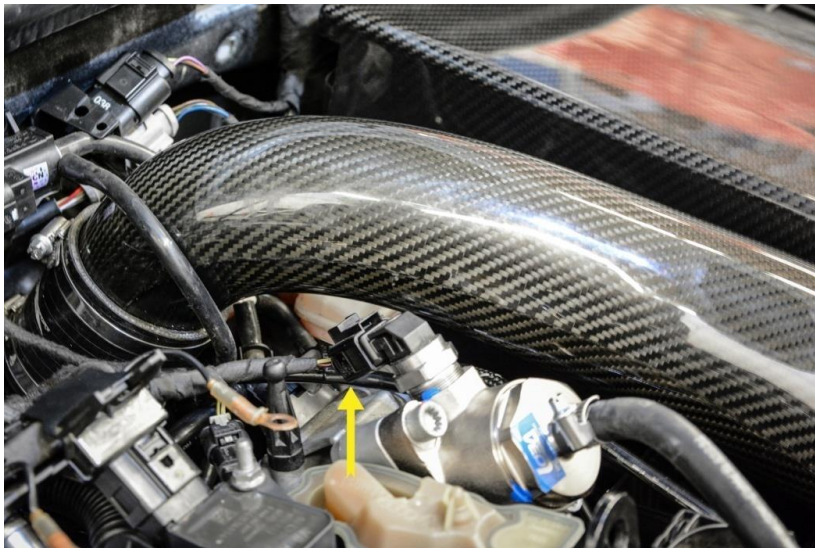
Step 8

Disconnect the Diverter Valve connector.



Step 9

Disconnect the High Pressure Fuel Pump (HPFP) connector.



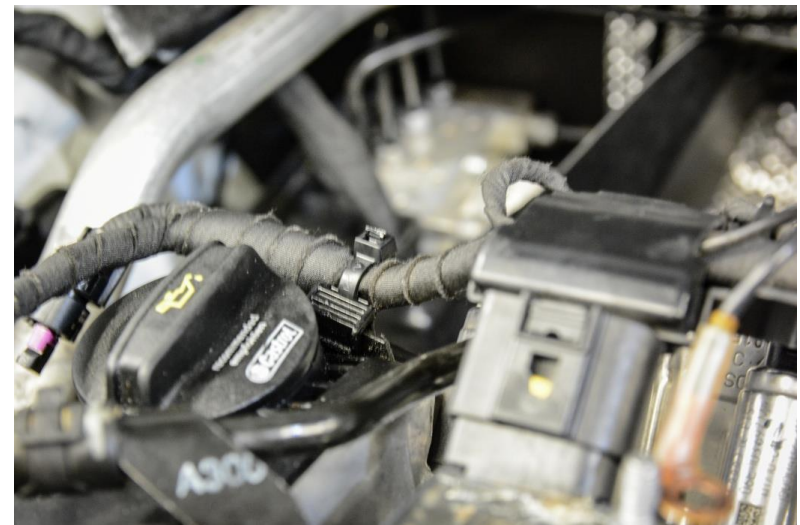
Step 10

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



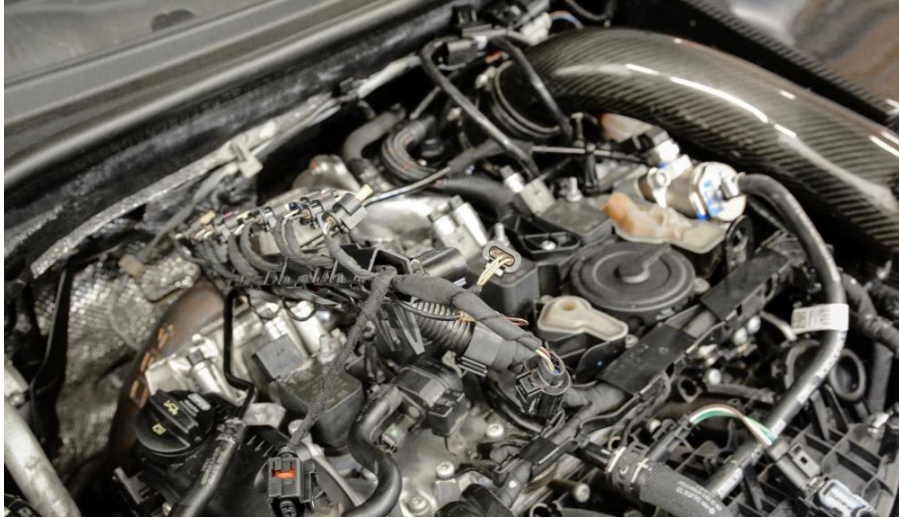
Step 11

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

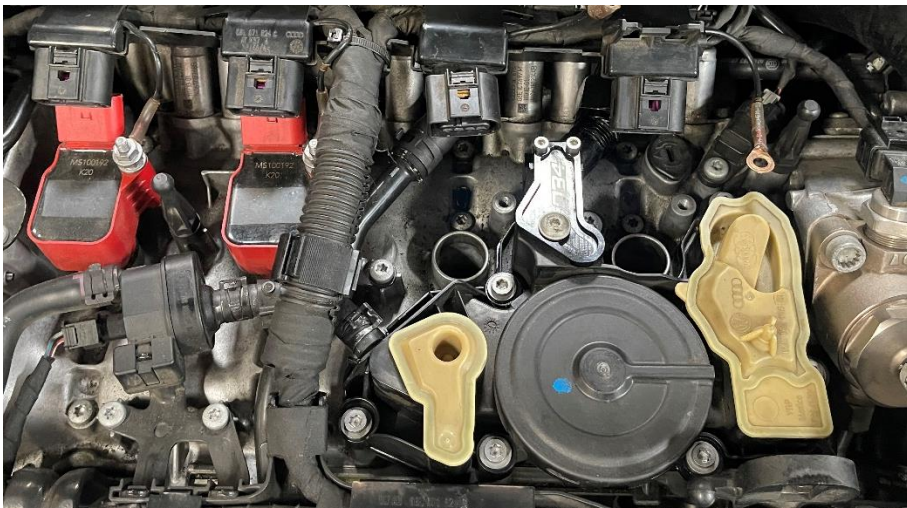


Step 12

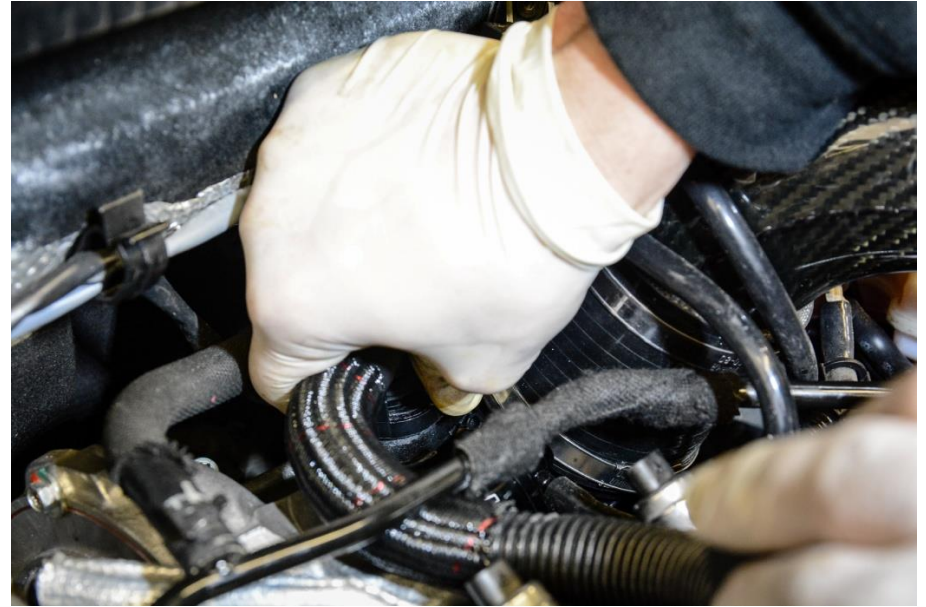
Lift coil pack harness up and away from the driver side of the engine bay for better access.

**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.

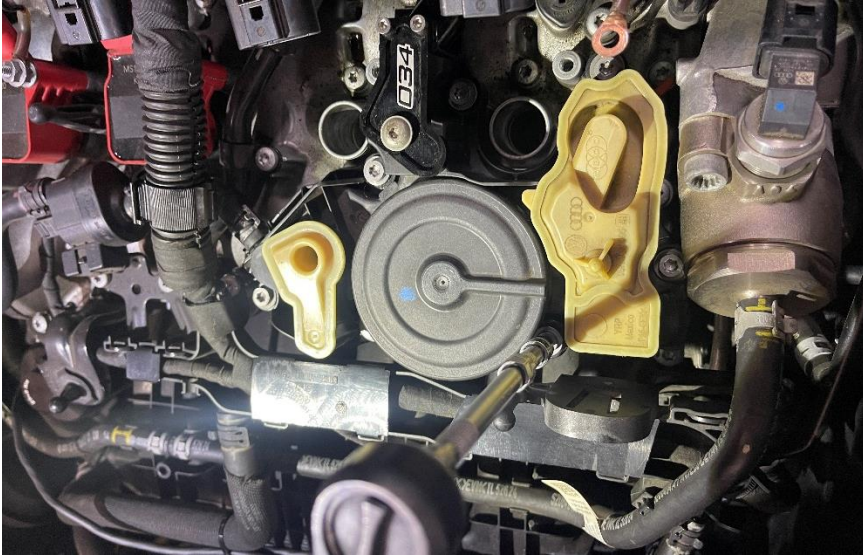
**Step 15**

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



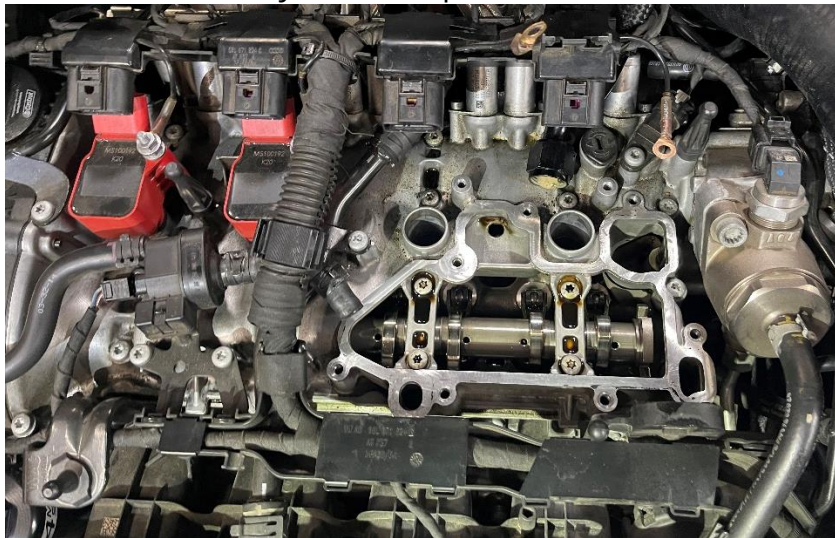
Step 16

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



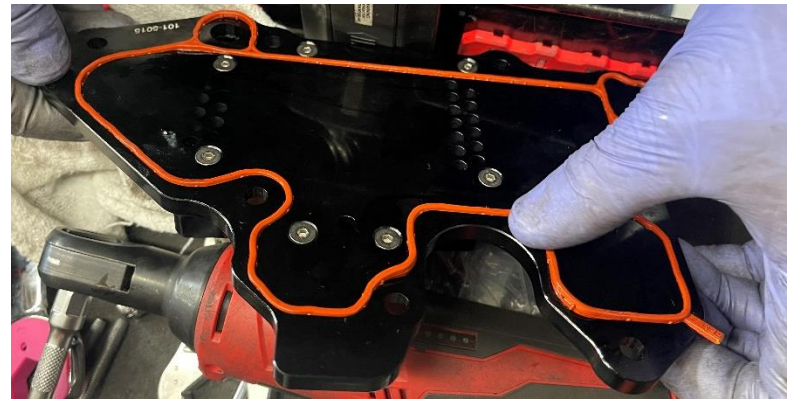
Step 17

Remove the factory breather plate from the valve cover.



Step 18

Transfer the sealing gasket over to the 034 breather plate.



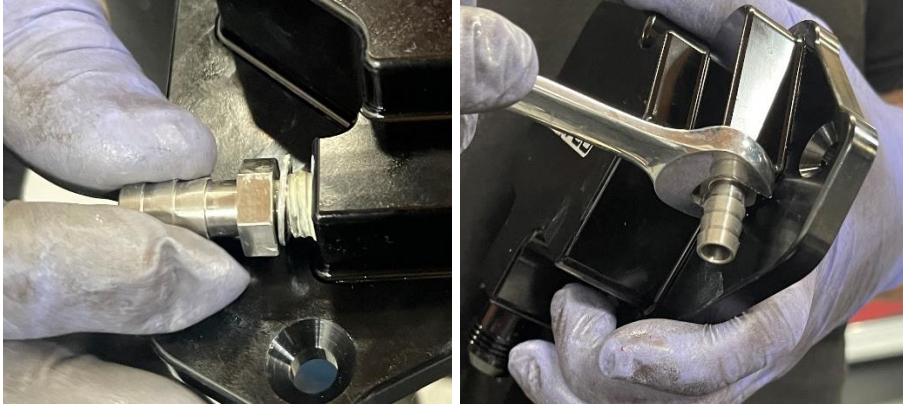
Step 19

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.



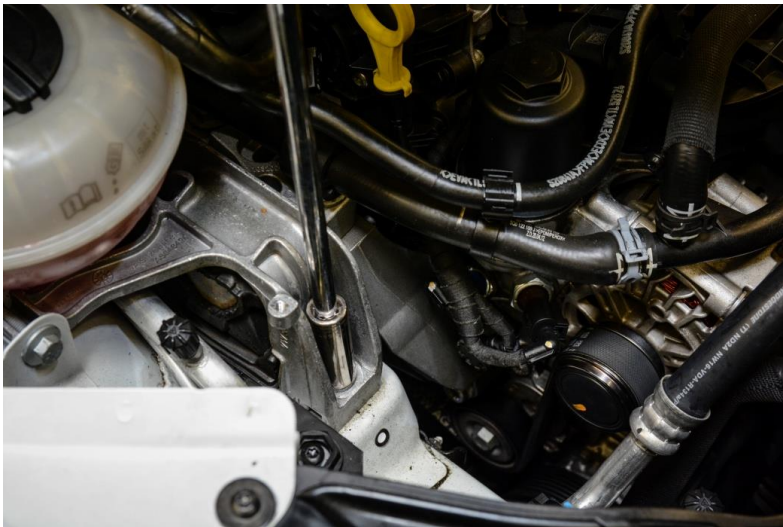
Step 24

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

Thread the supplied mounting bracket to the 034Motorsport Billet Aluminum Washer Reservoir Tube.



Step 27

Press Washer Reservoir Tube and Bracket assembly into large opening of silicone hose for washer fluid fill neck.



Step 28

Press the end of the small aluminum tube into the bottom of the silicone washer filler, just far enough that the bottom most barb is just inside the bottom of the silicone hose.



Step 29

Install washer fluid filler neck assembly into the lower factory washer reservoir. Line up to clear surrounding objects.



Step 30

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.



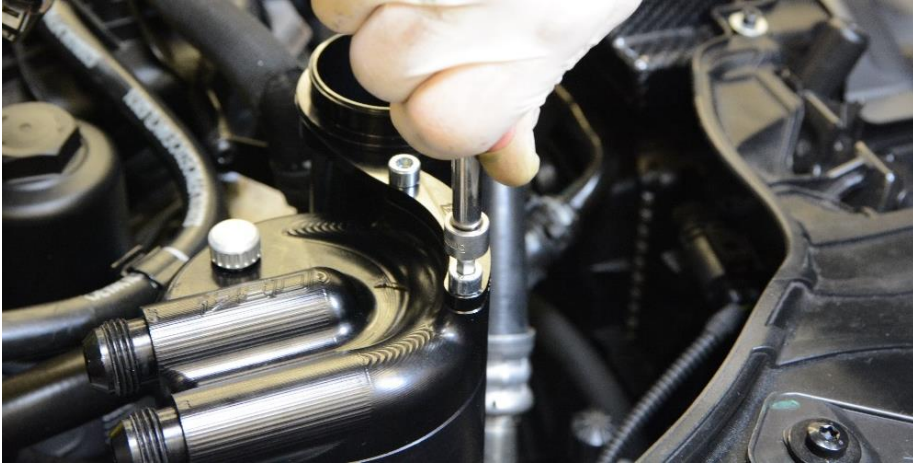
Step 31

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



Step 32

Using a 5mm Allen Wrench, attach the washer filler neck mounting bracket to the catch can.

**Step 33**

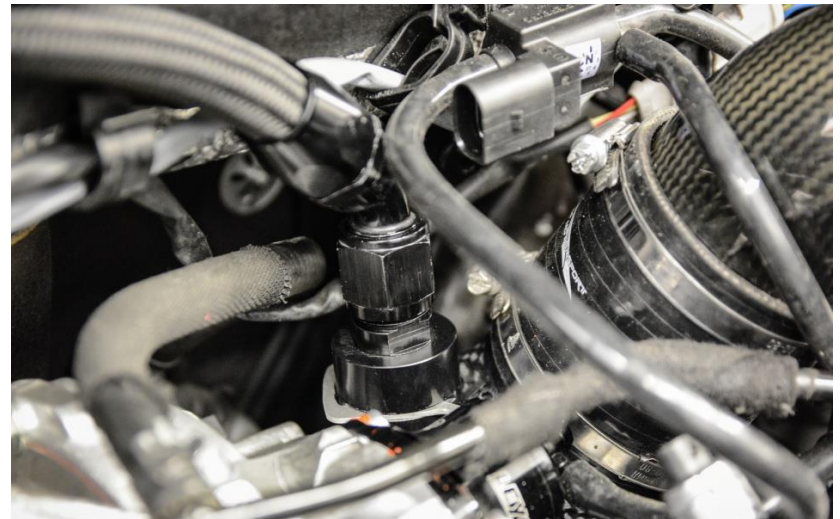
Transfer over factory washer fluid screen and cap to the newly installed filler neck.

**Step 34**

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

**Step 35**

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 36

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 37

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



Step 38

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



Step 39

Reinstall the two coils removed earlier.



Step 40

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



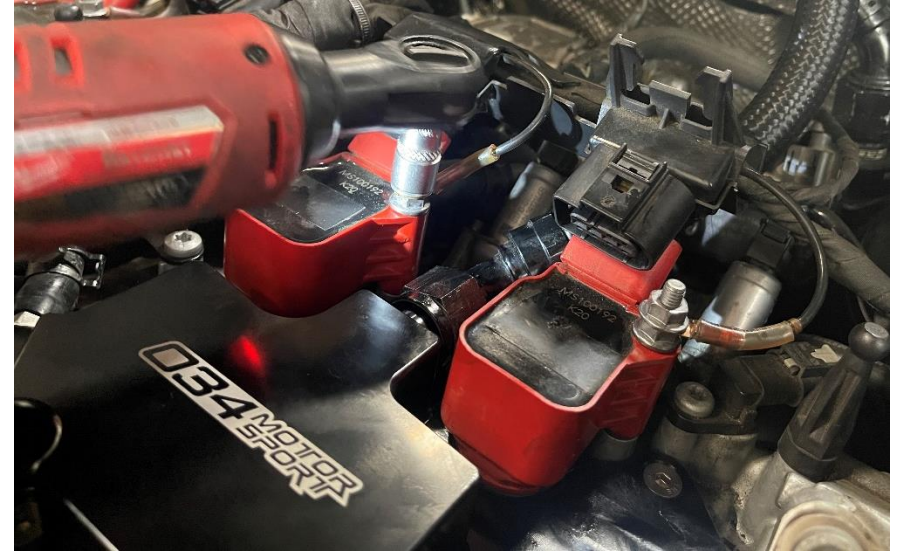
Step 41

Reinstall the ground straps onto the studs.



Step 42

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



Step 43

Reinstall the coil connectors.



Step 44

Reinstall the engine cover.

Step 45

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

