

Billet Catch Can Kit, 8V Audi S3 & MkVII Volkswagen Golf R



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 a few hours to complete.

Supplied Parts:

- Billet Aluminum Catch Can & Mounting Plate
- -10 AN Inlet/Outlet Hoses
- Washer Reservoir Replacement Tube
- Valve Cover Adapter Fittings
- Hose Separator

Tools Needed:

- **Sockets** - 10mm 6-Point, 16mm 6-Point
- **Bits** - T30 Torx, 3mm Allen, 5mm Allen
- Torque Wrench, Extensions, Flathead Screwdriver

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 you have installed.

Getting Started

- Ensure you have all parts and tools required for installation by reading the complete Install Guide.
- Open hood and let engine sufficiently cool before installation.

Step 1

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



Step 2

Using a 10mm 6-Point Socket, remove the bolt securing the washer reservoir.



Step 3

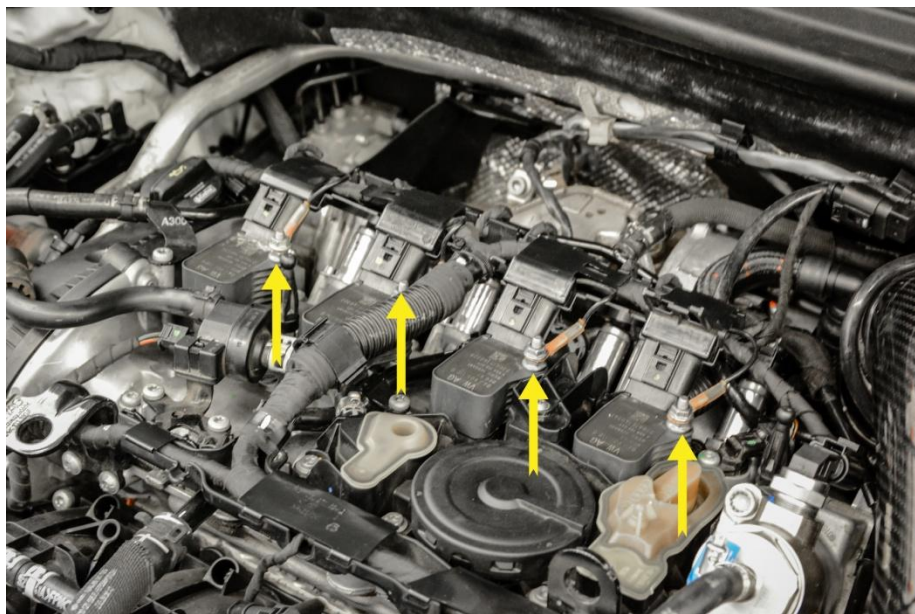
Carefully remove the washer reservoir from the engine bay by pulling up and out.

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



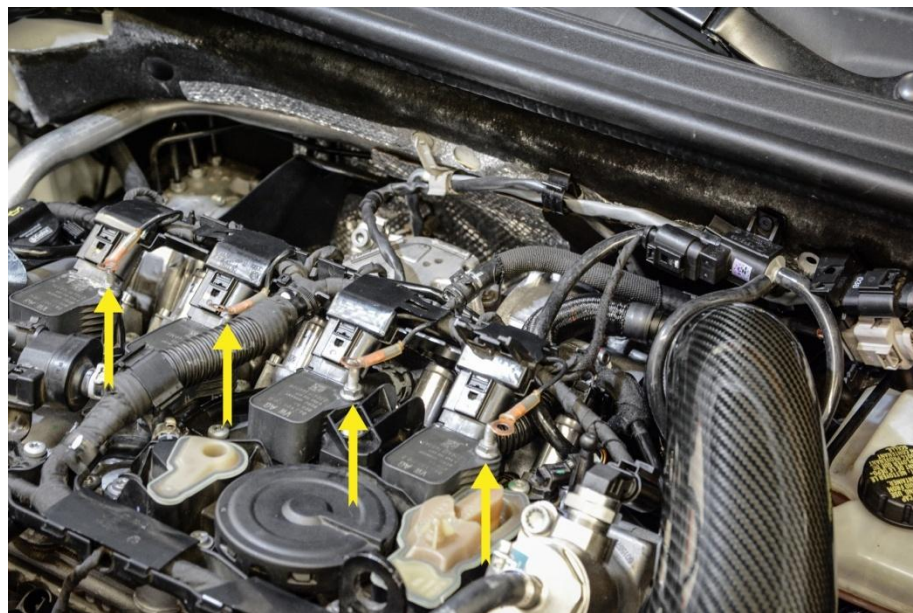
Step 4

Using a 10mm 6-Point Socket, remove the nut securing the coil harness to each coil pack (4 total).



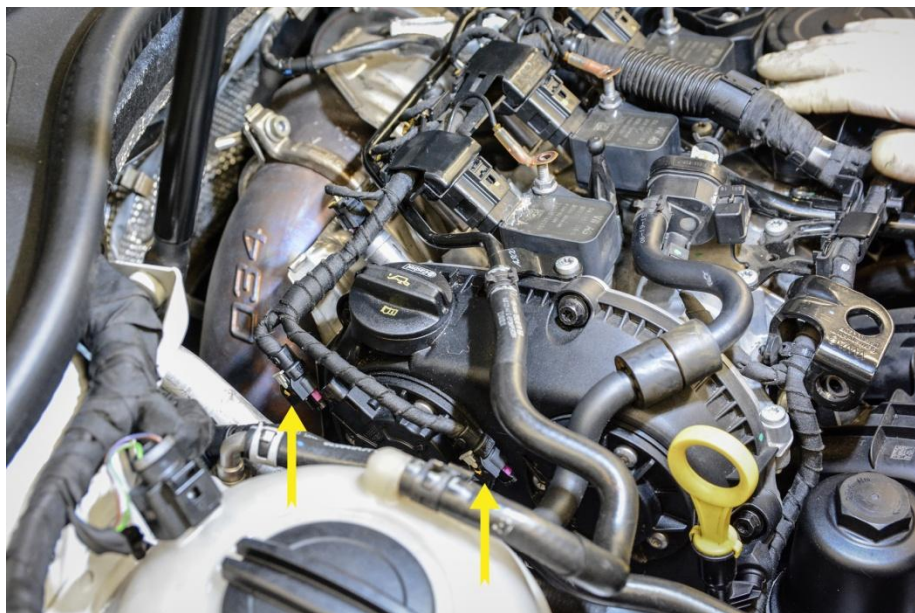
Step 5

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.



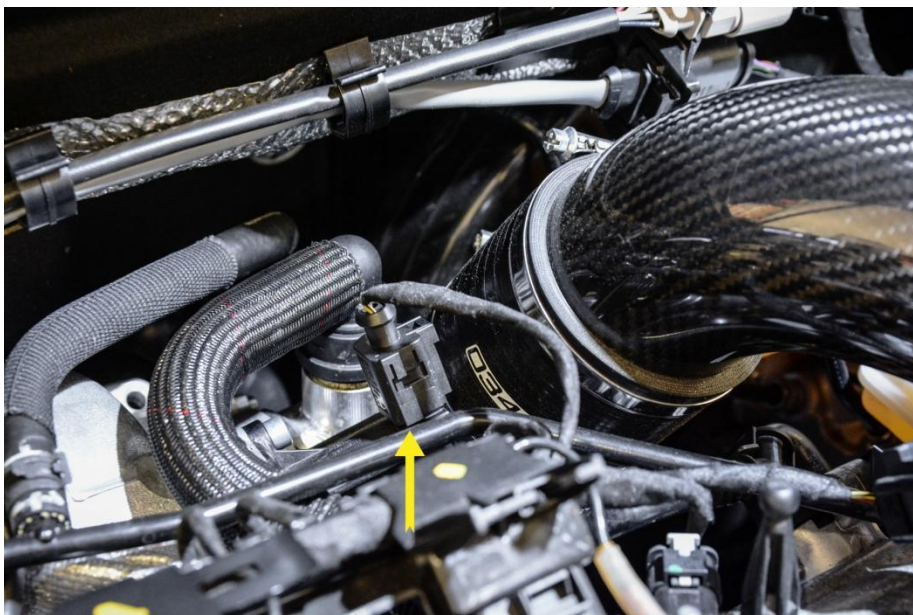
Step 7

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



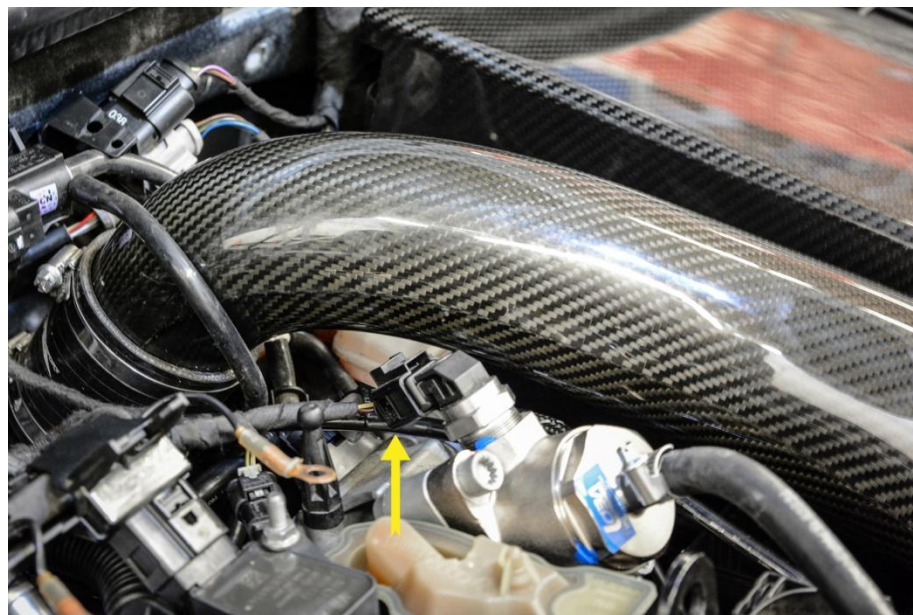
Step 8

Disconnect the Diverter Valve connector.



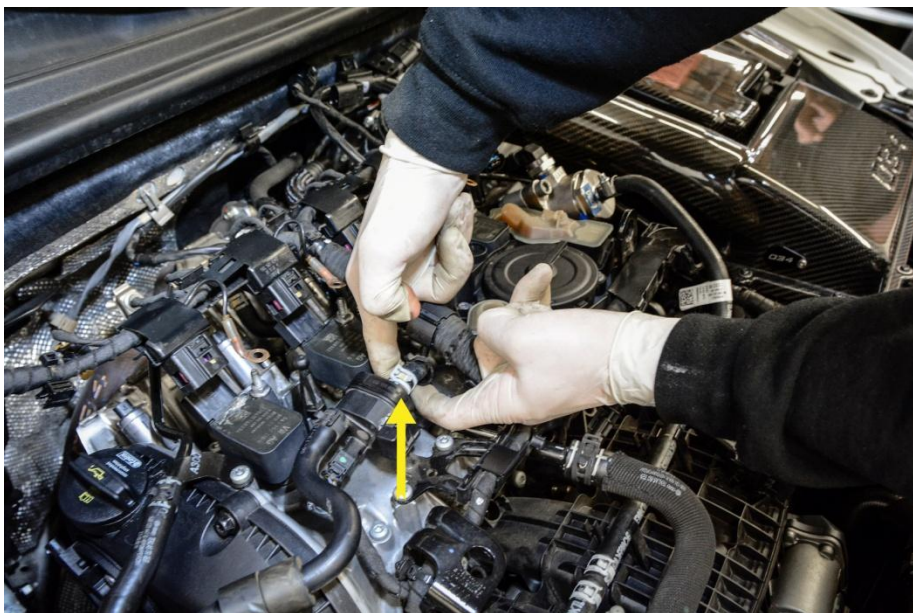
Step 9

Disconnect the High Pressure Fuel Pump (HPFP) connector.



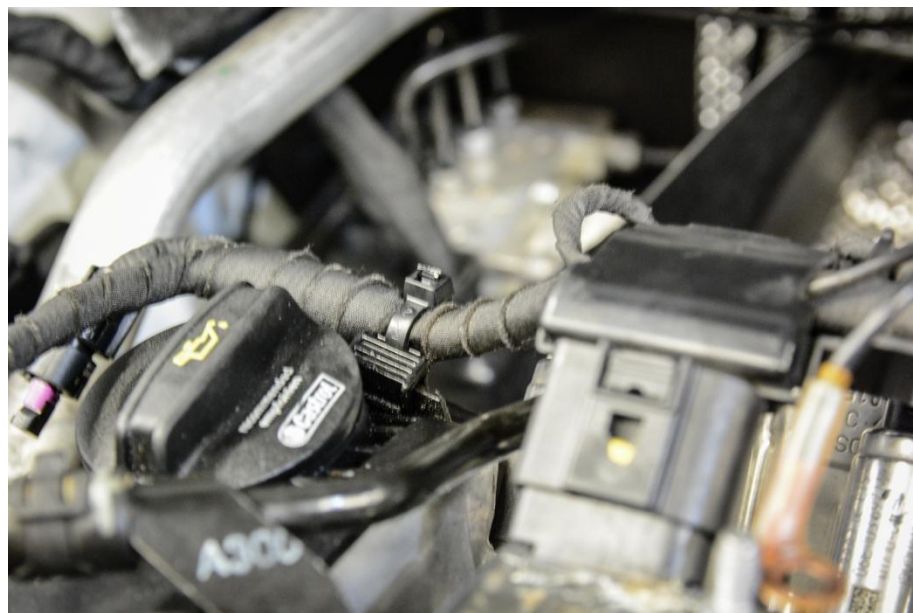
Step 10

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 the 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 6-Point Socket, remove the stud/bolt securing coil pack #4 (the furthest right) and remove the coil pack from the engine.



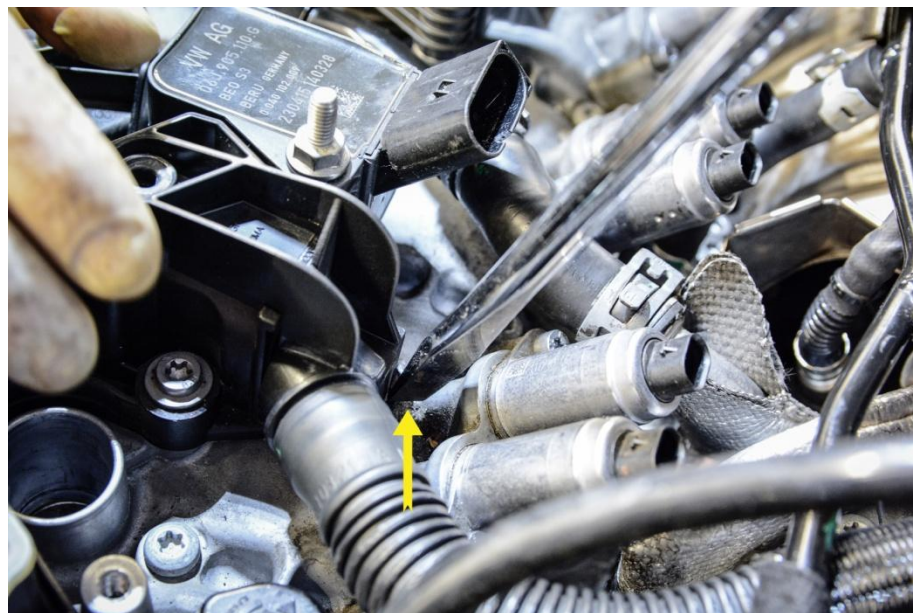
Step 14

Using a T30 Torx bit, remove the bolt securing the recirculation tube to the breather plate.



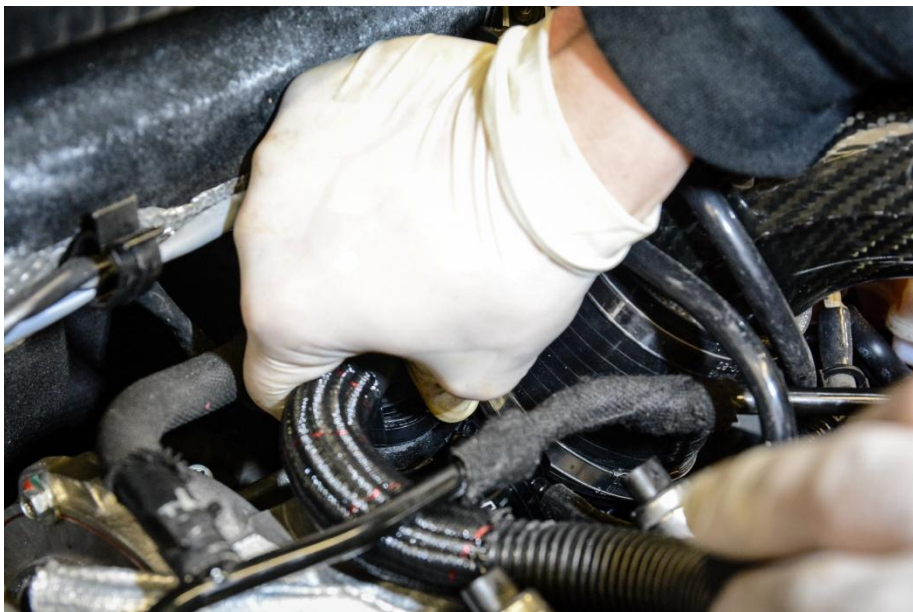
Step 15

Using a flathead screwdriver, push down tab to release the recirculation tube from the breather plate.



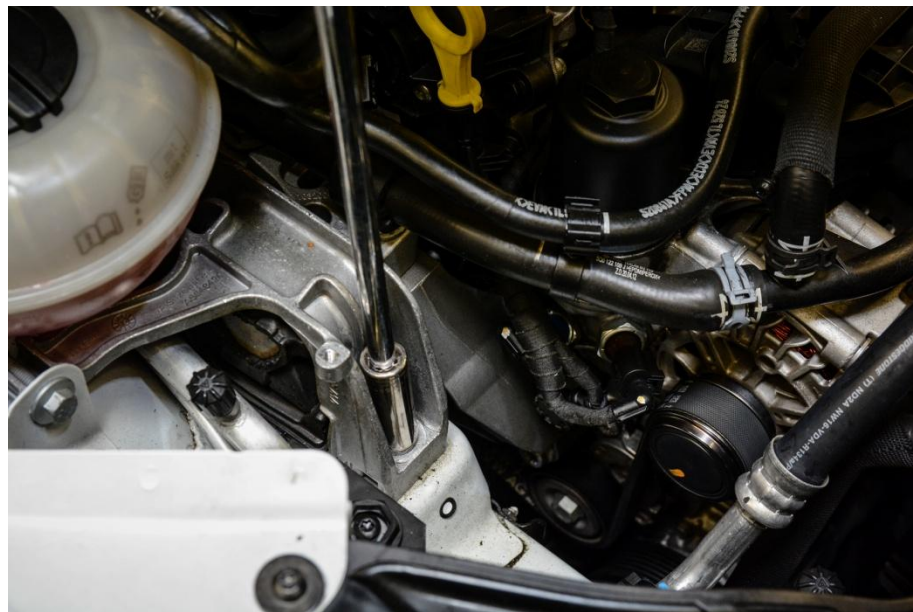
Step 16

Remove recirculation tube from the turbo inlet.



Step 17

Using a 16mm 6-Point Socket, remove the bolt securing the front of the motor mount to the chassis.



Step 18

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



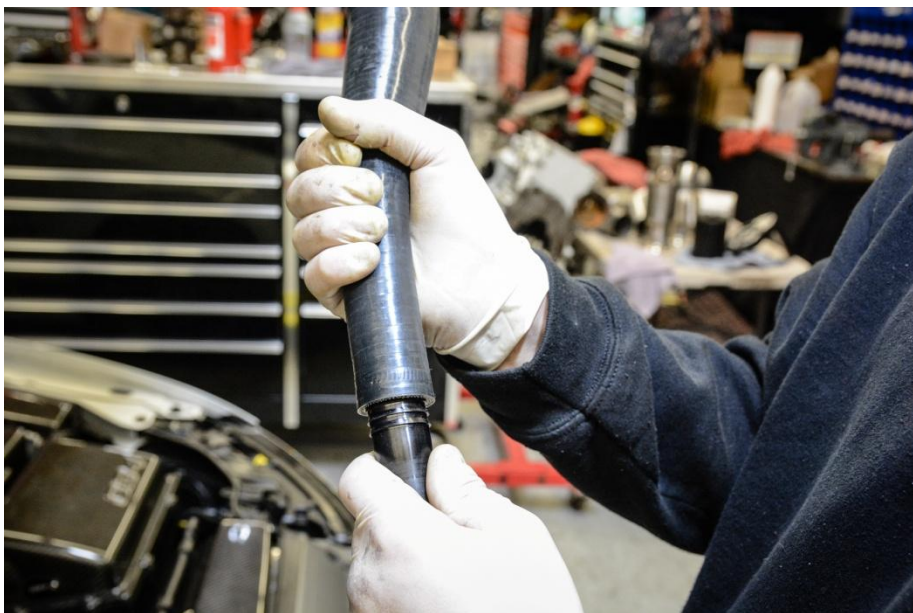
Step 19

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



Step 20

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



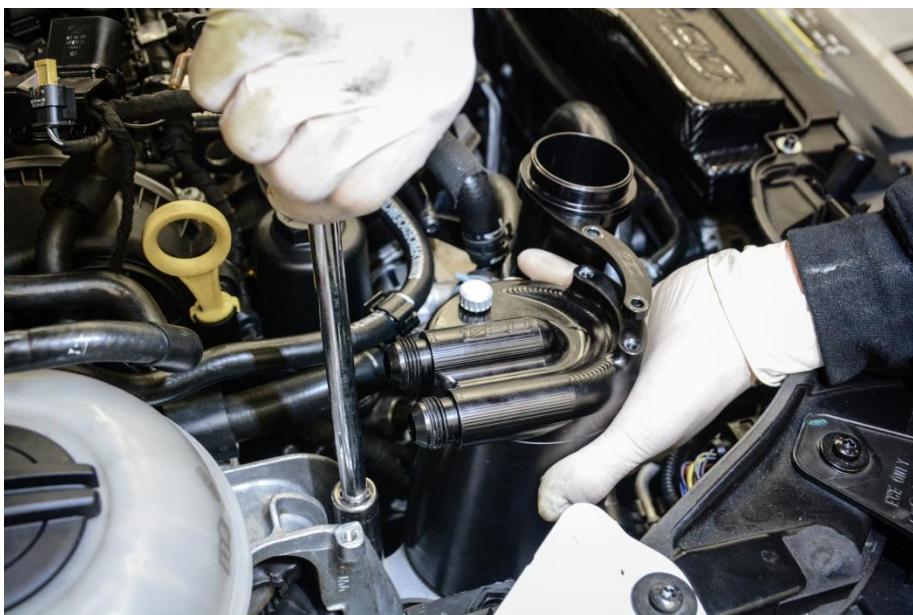
Step 21

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



Step 22

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.



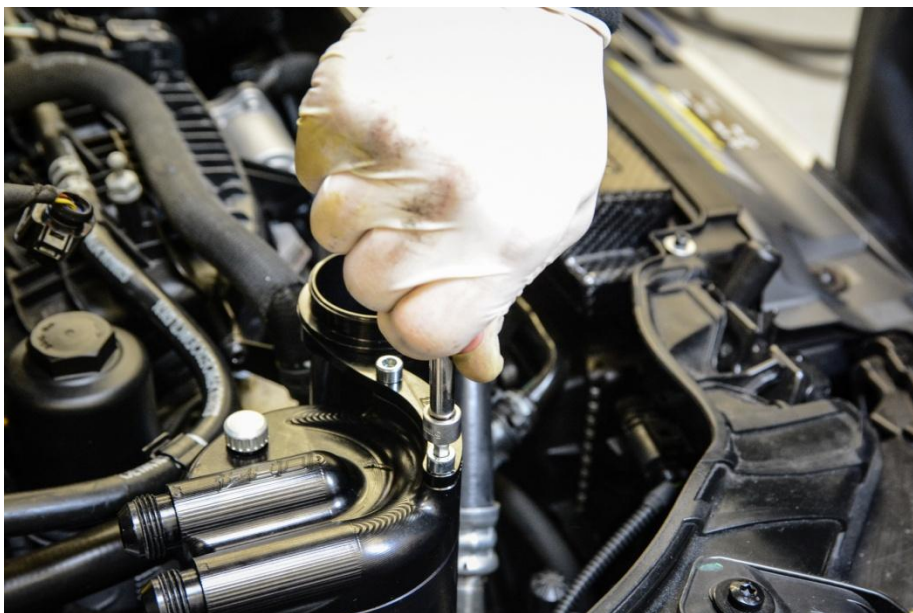
Step 23

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



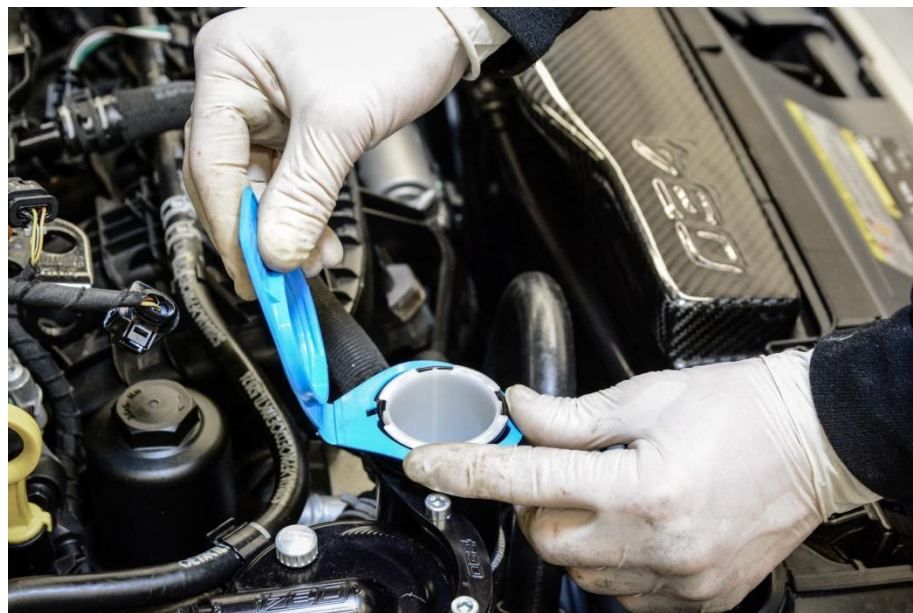
Step 24

Using the supplied Allen Bolts and a 5mm Allen Wrench, attach washer fluid filler neck mounting bracket to 034Motorsport Billet Catch Can.



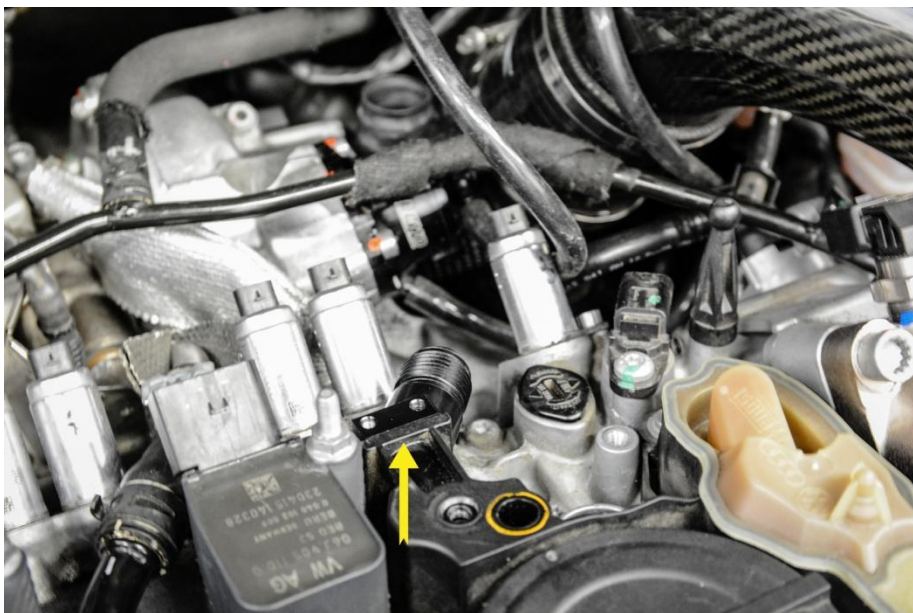
Step 25

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



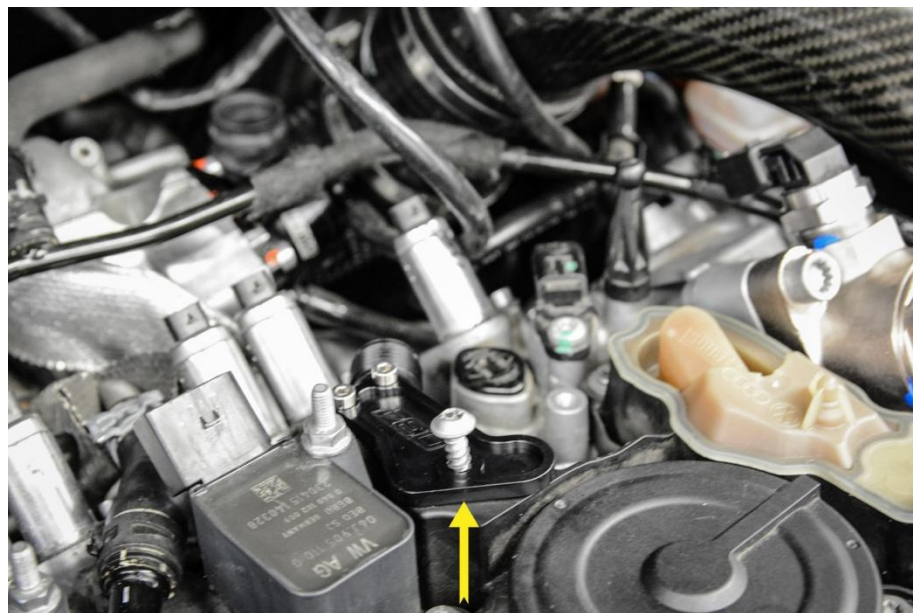
Step 26

Install supplied Billet Aluminum Adapter into recirculation provision on the factory breather plate.



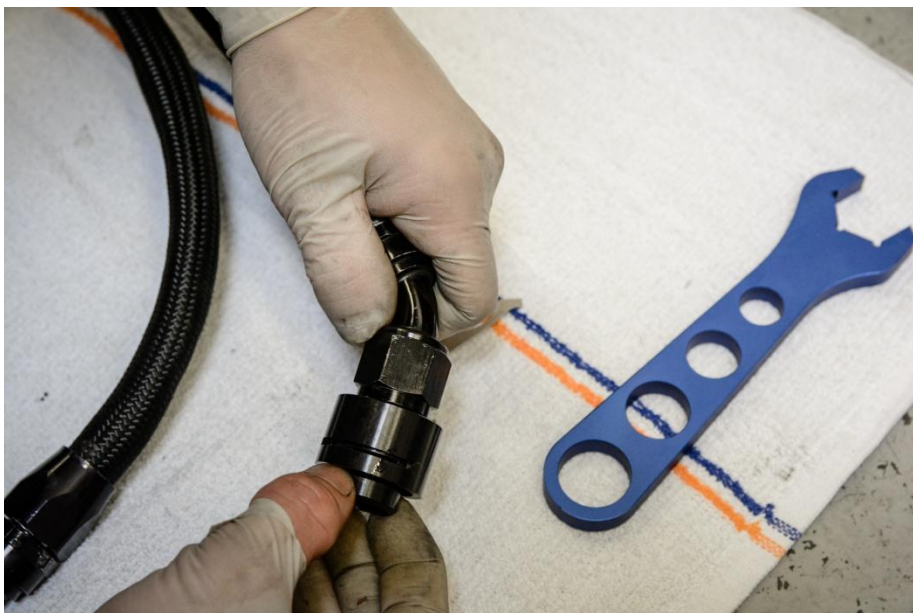
Step 27

Using a 3mm Allen, tighten the supplied Allen bolts securing the 034Motorsport adapter plate to the 034Motorsport Threaded Adapter. Reinstall the factory mounting screw with a T30 Torx.



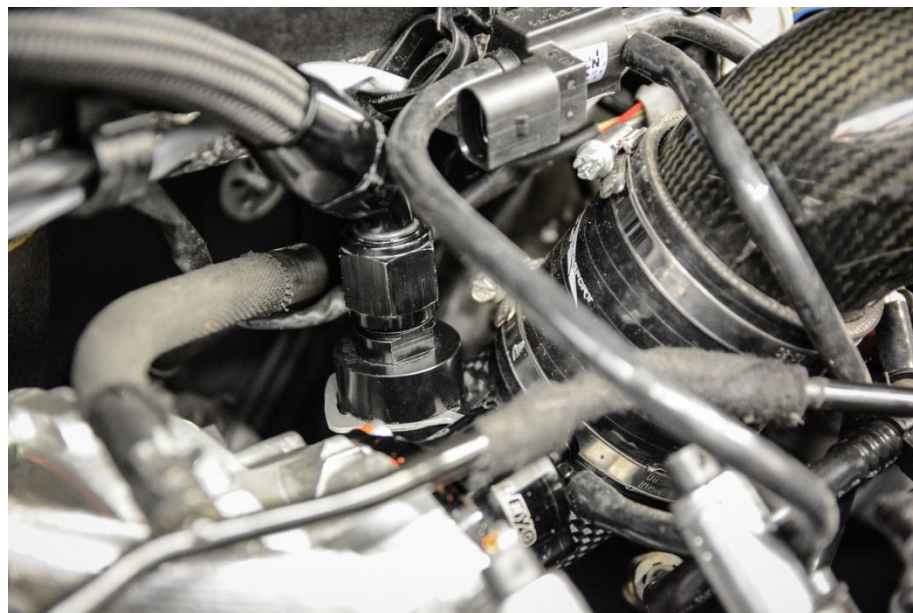
Step 28

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. Hose routing should resemble photos in Step 30 & Step 31.

Note: The "Inlet" of the catch can goes to the valvecover, "Outlet" goes to the turbo inlet.



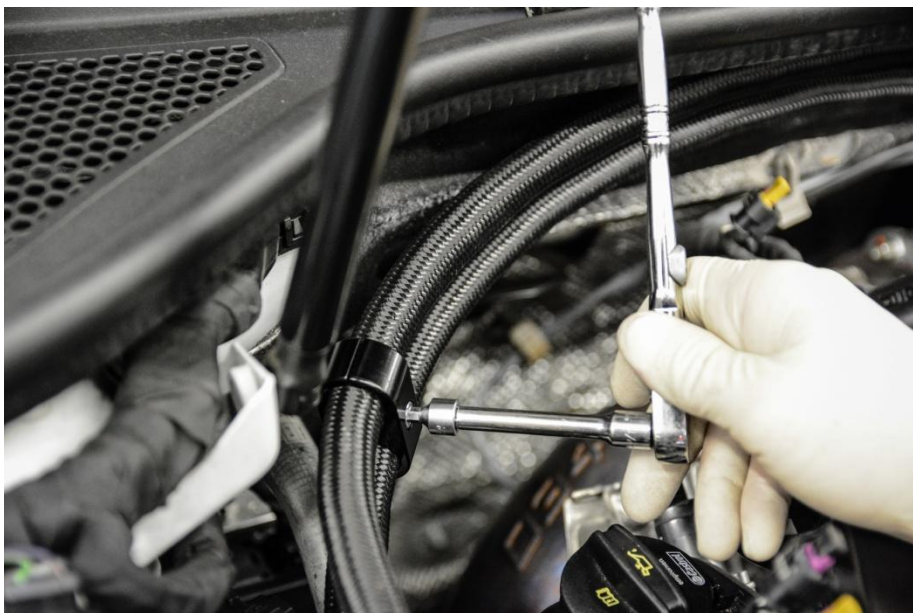
Step 31

034Motorsport braided -10 AN lines running to factory breather plate and turbo inlet.



Step 32

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



Step 33

Reinstall coil pack #4 (furthest right) and secure with factory 10mm stud/bolt.



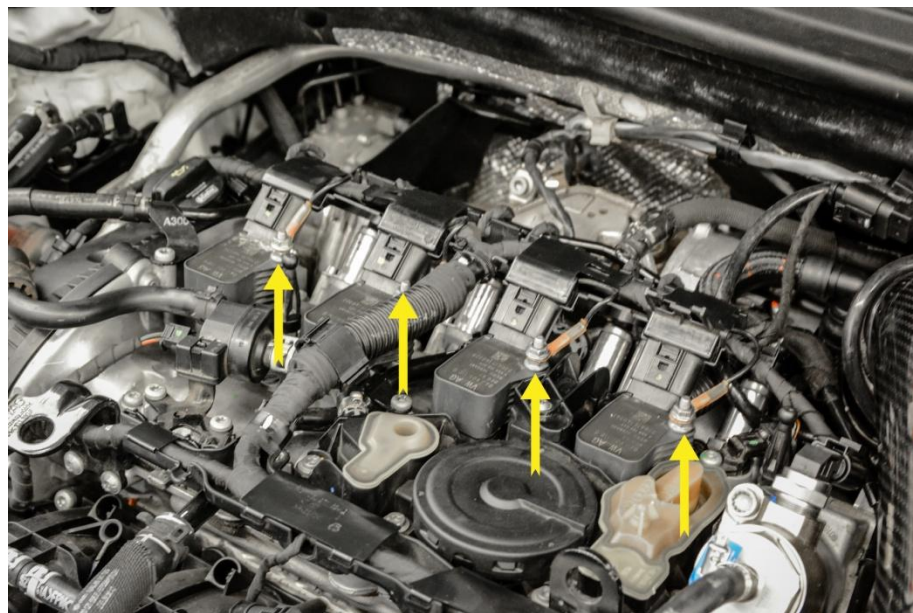
Step 34

Reinstall factory coil harness, taking care to plug each connector back into the correct location. Reverse of Steps 6 to 11.



Step 35

Reinstall 10mm ground eyelets and secure with factory 10mm nuts.



Step 36

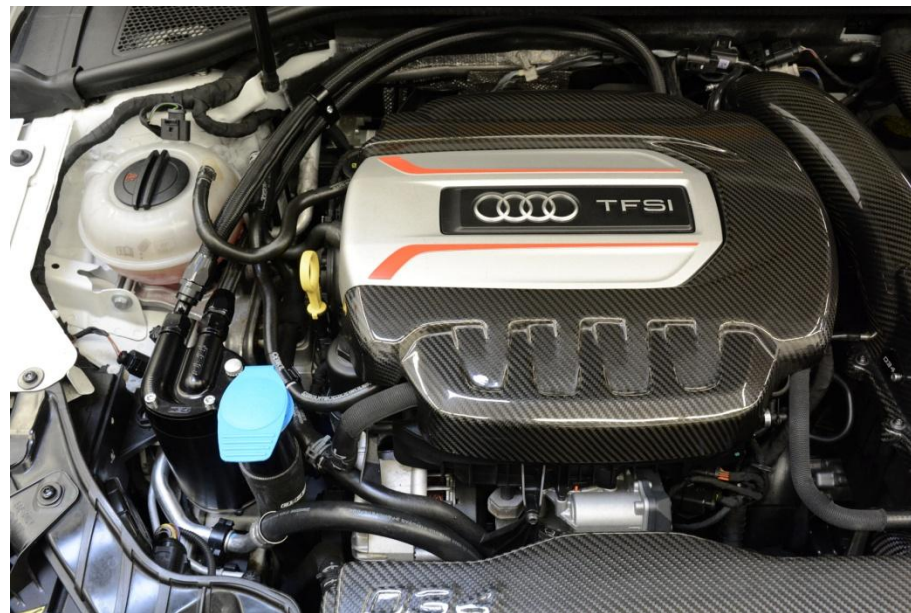
Check that all connections are properly plugged in and fittings are tight. Reinstall engine cover.



Step 37

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

Win-Win-Win!



Step 38

Go, be free, and drive the wheels off your MQB!

(But not literally)

Most importantly, enjoy the upgrade!