

NEW BEETLE ECU INSTALLATION

AUDI PERFORMANCE & RACING

1027-B Opelika Road Auburn Alabama 36830

- Flathead screwdriver
- Ratchet (1/4inch)
- 10mm Socket
- Torx T-20



Tools Needed

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Step 1

Remove the Dash Panel.

Place both hands on either side of the center dash panel, firmly grip and slide forward, then lift.





Step 2

Remove Upper Dash Panel Screws.

Remove the four T-20 torx screws securing the upper dash panel.

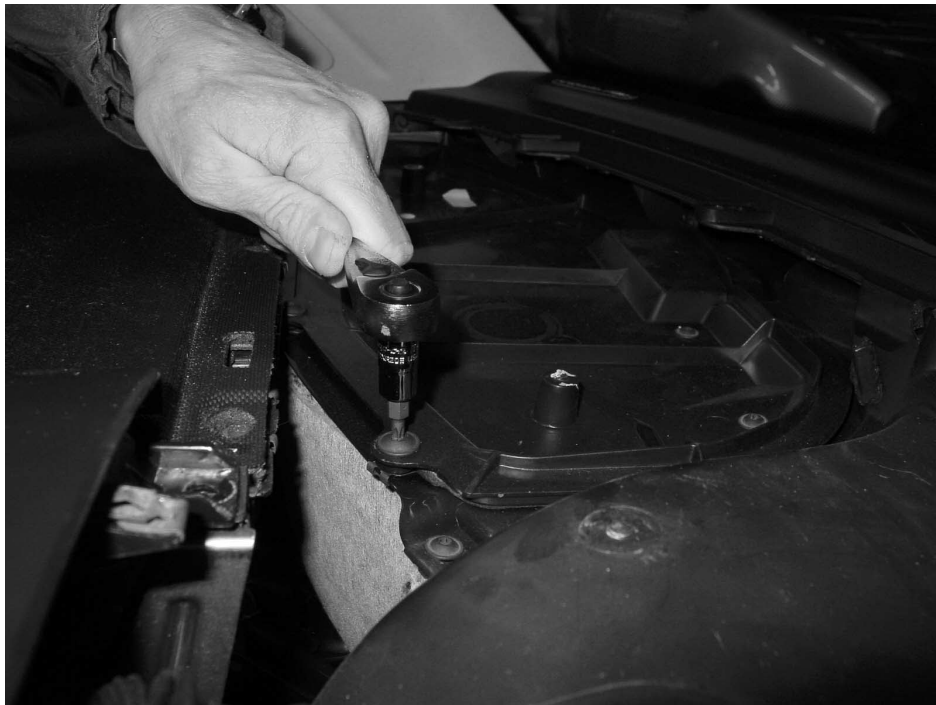


Step 2

Remove the Upper Dash Panel.

To remove the upper dash panel, firmly pull the panel upwards being careful not to damage it.





Step 3

Remove Lower Dash Panel.

Underneath you will find the ecu housing cover. Remove the torx T-20 screws that secure the cover. Pull the ECU housing cover upward to expose the ECU.



Step 4

Remove the ECU.

To remove the ECU wiring harness, pull the tabs on harness away from the ECU. As this is done, the harness connector will pull away from the ECU.

The reinstallation of the ECU is the reverse of the removal.





Step 5

Installing the Fuel Pressure Regulator.

Depending on the ECU version of your Beetle, an upgraded FPR may be required. The following steps will illustrate the process.

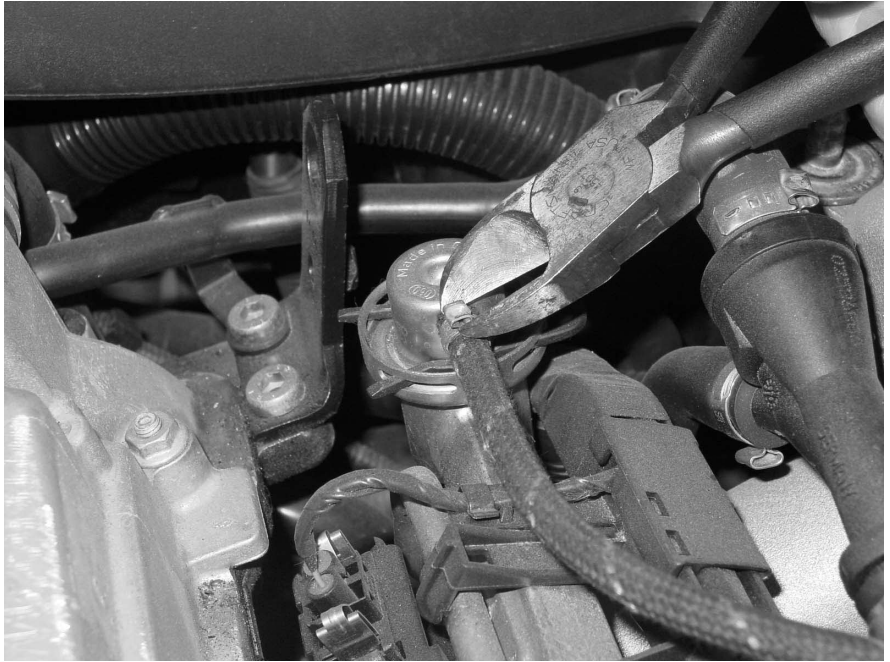
Begin by remove the engine cover, then expose the engine cover screws by removing the dust caps. Remove the bolts securing the engine cover with the 10mm socket.



Step 6

Remove Vacuum Line.

Remove the hose clamp to the fuel pressure regulator vacuum using a pair of wire cutters.





Step 7

Replace the Fuel Pressure Regulator.

CAUTION.. Remove the fuel filler CAP prior to this step to help alleviate residual fuel pressure.

Remove the stock FPR by releasing the C-clip with a flat head screwdriver.

As you remove the FPR from the fuel rail, **COVER** the FPR with a RAG. The fuel may still be under pressure, and cause it to spray. Always **WEAR SAFETY GLASSES** when working near fuel systems.

Installing the new FPR using the original C-clip.



Step 8

Install FPR Vacuum Line.

Attach and secure the vacuum line to the fuel pressure regulator, and secure it with a hose clamp. A pair of wire cutters may be used to crimp the new clamp in place.





Step 9

Reinstall the Engine Cover.

Once the ECU is reinstalled, be sure to let the car sit for three minutes with the ignition on before starting the engine.

Enjoy your new software.