

ECU Removal for VW Golf/Jetta 1.8Turbo and VR6, Audi 180hp and 225hp TT

Approximate procedure time:

15-20 minutes

Tools required:

13mm socket wrench

Medium flat blade screwdriver

Procedure:

Remove key from ignition. Open hood. Disconnection of battery is **not** required.

Removing the ECU for your first time is easier done with the black plastic "cowling" running along the lower edge of the windshield removed. Future ECU removals, once you have oriented yourself with the way the ECU sits in the car, can be done with this cowling in place and an extra set of hands or an item to prop it up enough to gain access.

To remove cowling, first peel off rubber weather strip (item #2 in Figure 1). Mark the relative location of windshield wipers to windshield by placing a piece of masking tape on the windshield where the edge of the wiper blades touch. Remove wiper arms (items #1 in Figure 1) by popping off pivot covers (at arrows in Figure 1), and unbolting the nuts holding the arms to the posts. Carefully wiggle the wiper arms free from the posts, taking note that the arm bases are spring loaded. The reverse side of the cowling sits within a channel on the windshield. Grasp either the driver or passenger side edge of the cowling and gently peel it across the windshield to remove.

To remove the ECU (located at #3 in Figure 1), unclip the wiring harnesses by grasping the outer ends of the connectors and pulling them outwards (in direction of arrows in Figure 2. Harness connectors removed in picture for clarity). The ends of the connectors are T-shaped, and sometimes the aid of a flat blade screwdriver is required to pop them loose.

Once the wiring harnesses are removed, bend the black metal tab on the left away from the body of the ECU with a flat blade screwdriver (as pictured in Figure 2). Grasp the ECU with both hands and pull towards the front of the car to free it from its bracket.

Installation is the reverse of removal. Pay close attention to:

Making sure the ECU connectors are fully seated. Seating the cowling firmly within its channel on the windshield.

Lining up the wipers along the masking tape on the windshield.

Before restarting the engine, turn the key to the "on" position and leave it there for 2 minutes while the ECU recalibrates the throttle-body.

If you have any questions, please do not hesitate to contact us!

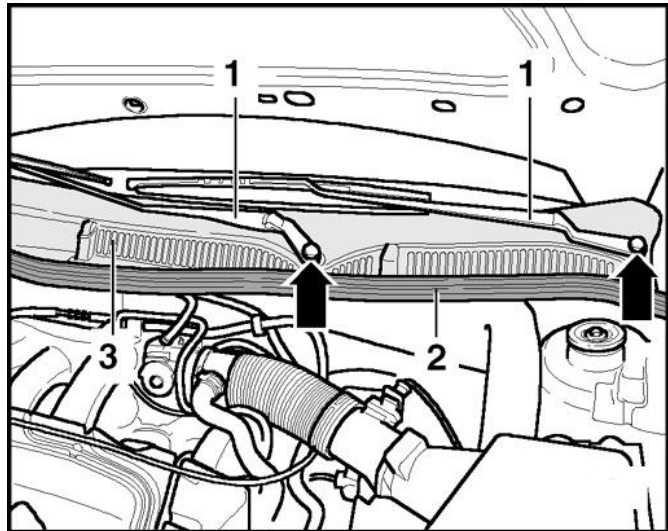


Figure 1: underhood of car

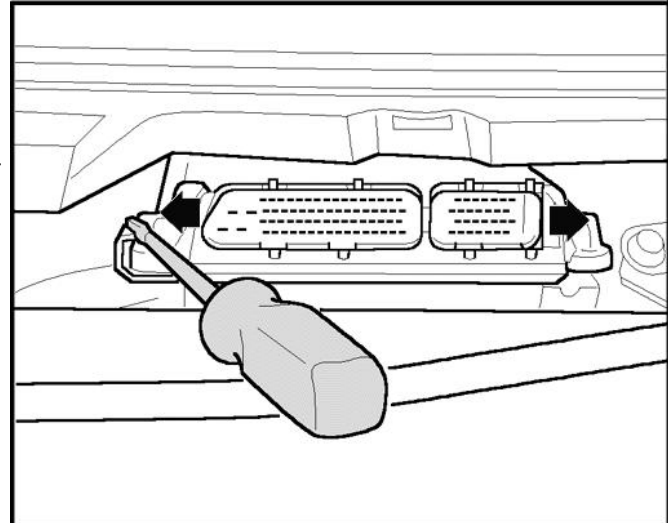


Figure 2: close-up of ECU with cowling and wiring harnesses removed