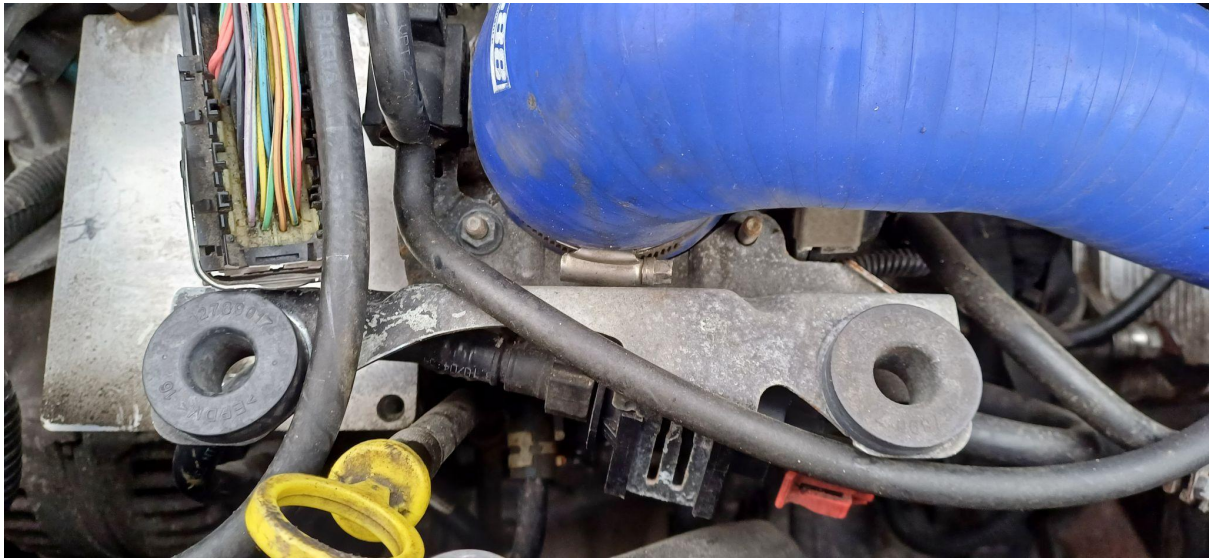


1:

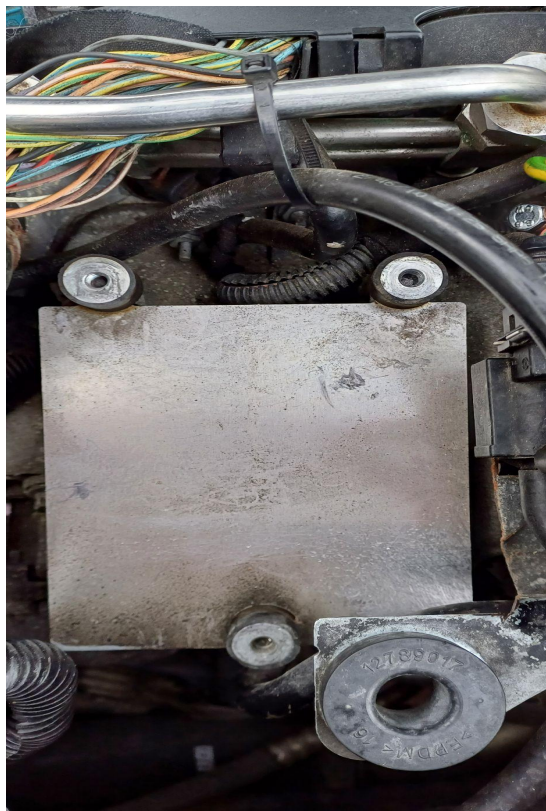
disconnect your battery, remove the engine cover (3x T30), remove the ECU (Engine Control Unit) (4x 10MM bolt), Remove Throttle body bracket (see picture below):

Remove the hose clamp to undo throttle body bracket (usually 7 MM bolt, if still OEM or DO88):



2:

place the heat shield accordingly and mount the vibration dampers on top of the heatshield as such. (4 x vibration damper and 1 time heatshield required). Twist the vibration dampers into the M6 bolt holes where the original ECU screws were located. Twist the vibration dampers hand tight and preferably add some copper-grease. (See picture below):



3:

Place the ECU back on top of the 4 vibration dampers, secure the ecu with the delivered 18MM M6 bolts. Add the new ground cable to the top right corner of the ECU. Let the new ground cable go from top right corner bolt of the ECU to the top left corner bolt of the throttle body. Remove the Throttle body top left bolt (10 MM required), undo this bolt and connect the original ground cable and the new ground cable to this bolt. See picture below for reference:



4:

Add these 2 spacers on the original thread end of the throttle body bracket: see these 2 pictures below: (note: its demonstrated on top of the bracket but the spacers need to go below the bracket!):

The 2 spacers:



How to mount the spacers: (remember the spacers need to be below the bracket):



5:

Retighten everything (don't forget the inlet hose clamp). Double check the ground cable bolts both on the throttle body side as well as the ECU side

Your ECU will now last a little bit longer. It will still get hot, but the temperature while driving will now stay a lot cooler due to the extra space. Depending on the weather the ECU will now be (during driving) around 5 - 10 degrees (celsius) warmer than the outside air temperature. In extreme weather conditions this can vary slightly.

It will extend the **remaining** life of the ECU by around 25-30%. As thermal cycling (the reason why the ECU fails) is now reduced to 1 thermal cycle per drive, unless you live in a traffic heavy environment, then the ECU will receive a heat cycle the moment you stand still for around 20 minutes in a traffic jam.