

# MALONE TUNING

## BMW 335D ECU Removal

This is a very simple procedure requiring the following tools:

- Phillips head screwdriver
- 10mm socket/ratchet
- 8mm socket/ratchet

Remove/Unhook the sensors on either side of the cowl.

Driver side:



Pull up on the sensor to unclip it, and unclip the wire until it can be removed from the cowl area.

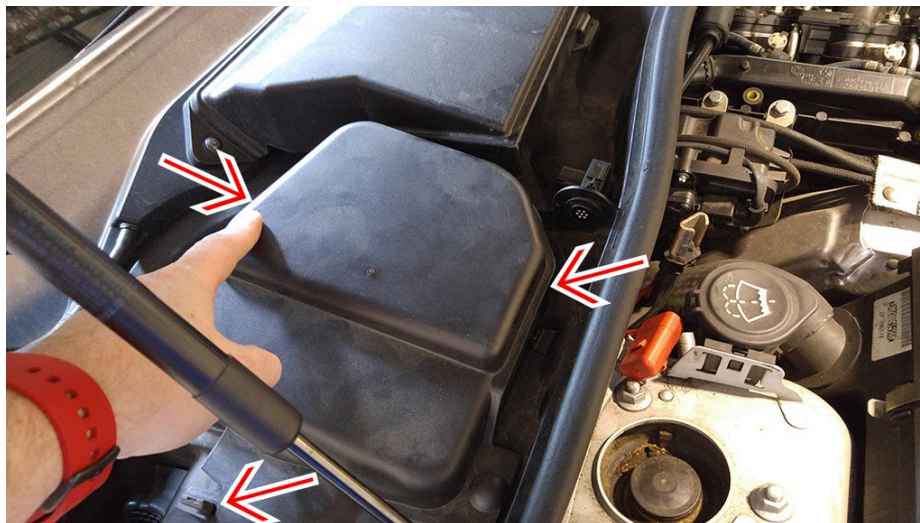
Passenger side:



There is no need to remove the sensor, just unclip the wire from it and move the rest of the wire out of your way.

### Remove the side covers of the cowl

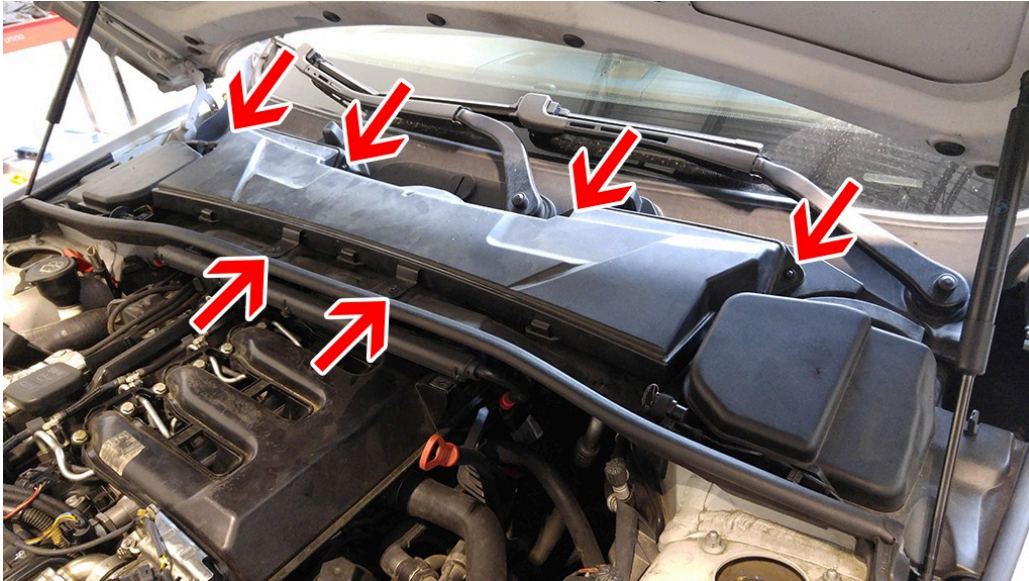
Pass side shown, driver side is exactly the same just mirrored.



The three arrows point to the three clips that have to be undone to remove this piece. The two hidden ones need to be pulled away from cover, the last one (lowest in picture ) just comes out of its slot. Once this is done lift it off and set it aside.

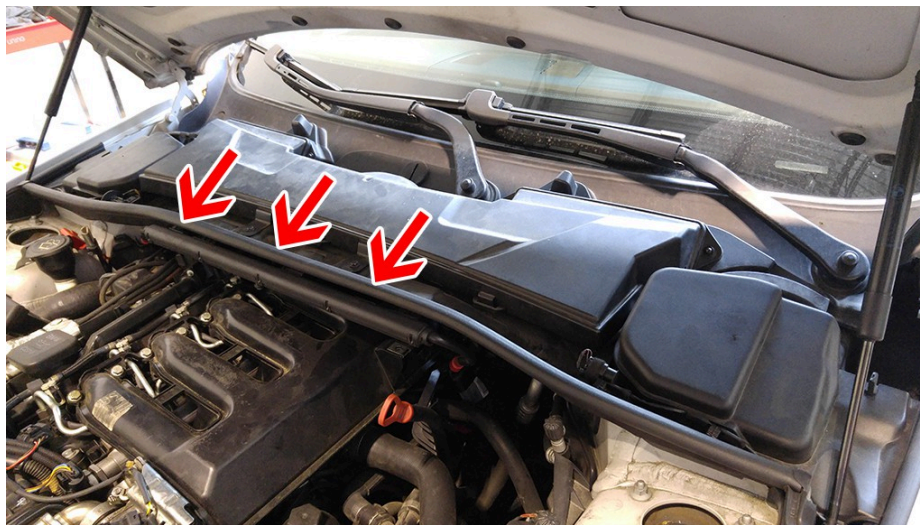


## Remove the main cowl cover.



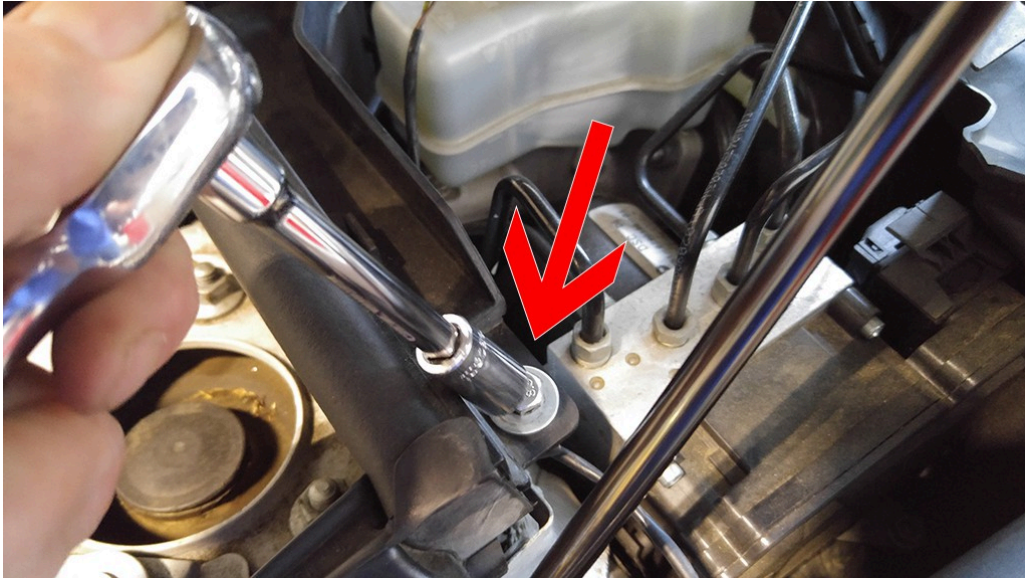
There are (4) Phillips head screws and (2) 8mm Socket screws holding this down. The Phillips head screws are along the top side, while the 8mm screws are on the bottom. Once these have been removed this piece will lift off. Set aside.

## Remove the cross support



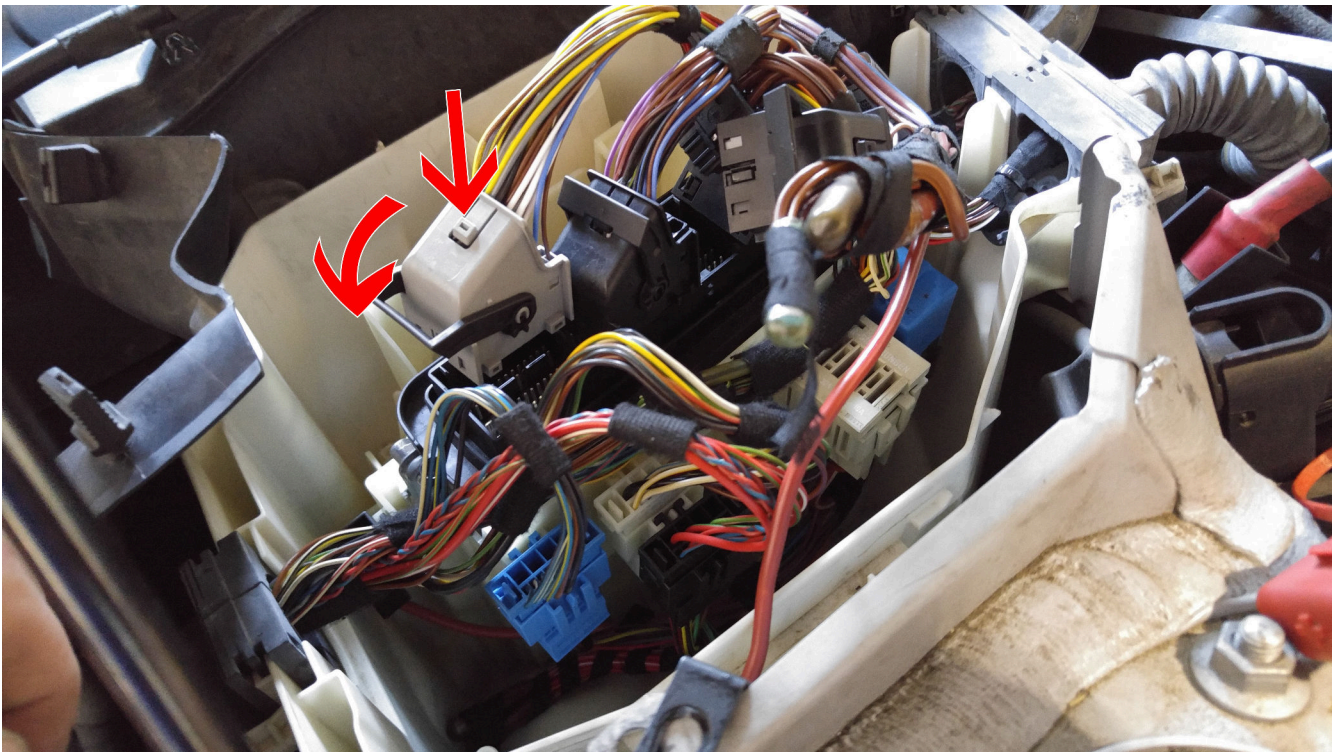
Running above the intake manifold is the wire going to the 12v lead under the hood. This is clipped into the support at 3 locations, simply push the tab down and remove the clips and harness towards the front of the vehicle.





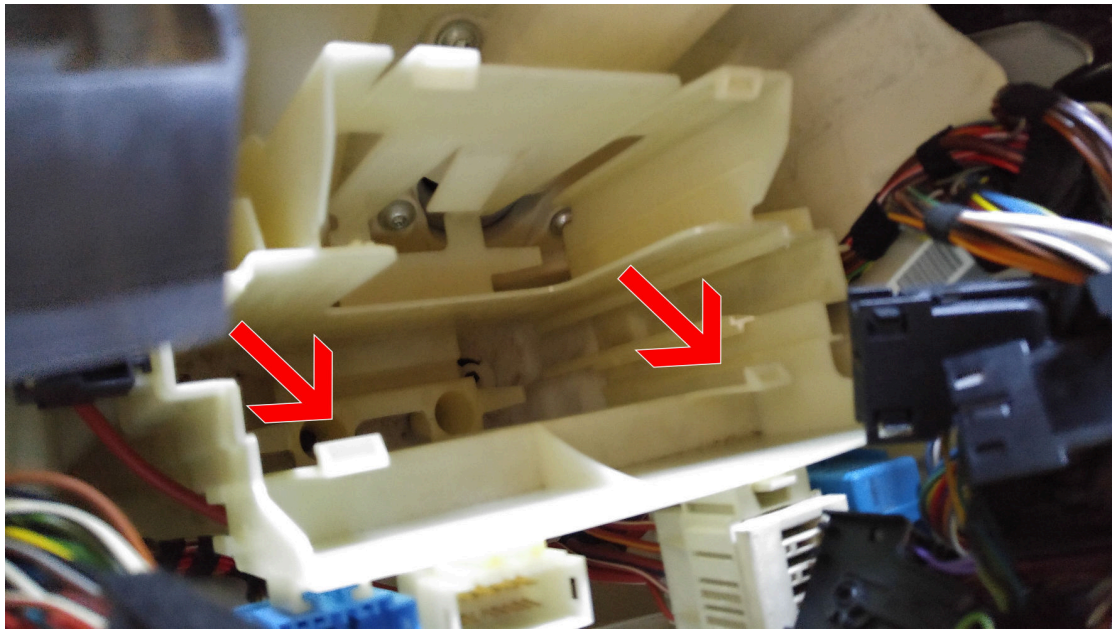
Next remove the 10mm bolts holding the cowl support down on either side. When this is complete lift the cowl out of the car and set aside.

### Remove the ECU connectors.



First pull up on ECU cover lid to remove it. Next to remove the ecu connectors, press down on the tab and rotate the locking collar out of the way. To reinstall leave the locking collar in the 'open' position and push down, it will rotate and lock itself.

Last step! Pull the ECU up out of its holding box.



This will seem very difficult as you cannot see what is holding the ECU in. In the above picture I have shown which two tabs are holding the ecu in. You can barely see these, you could use a screwdriver to pull them away from the ecu, or push the ECU towards the windshield and pull up. This should clear the clips and allow it to come out.

That is it! The Ecu should be out of the vehicle for flashing or mailing.