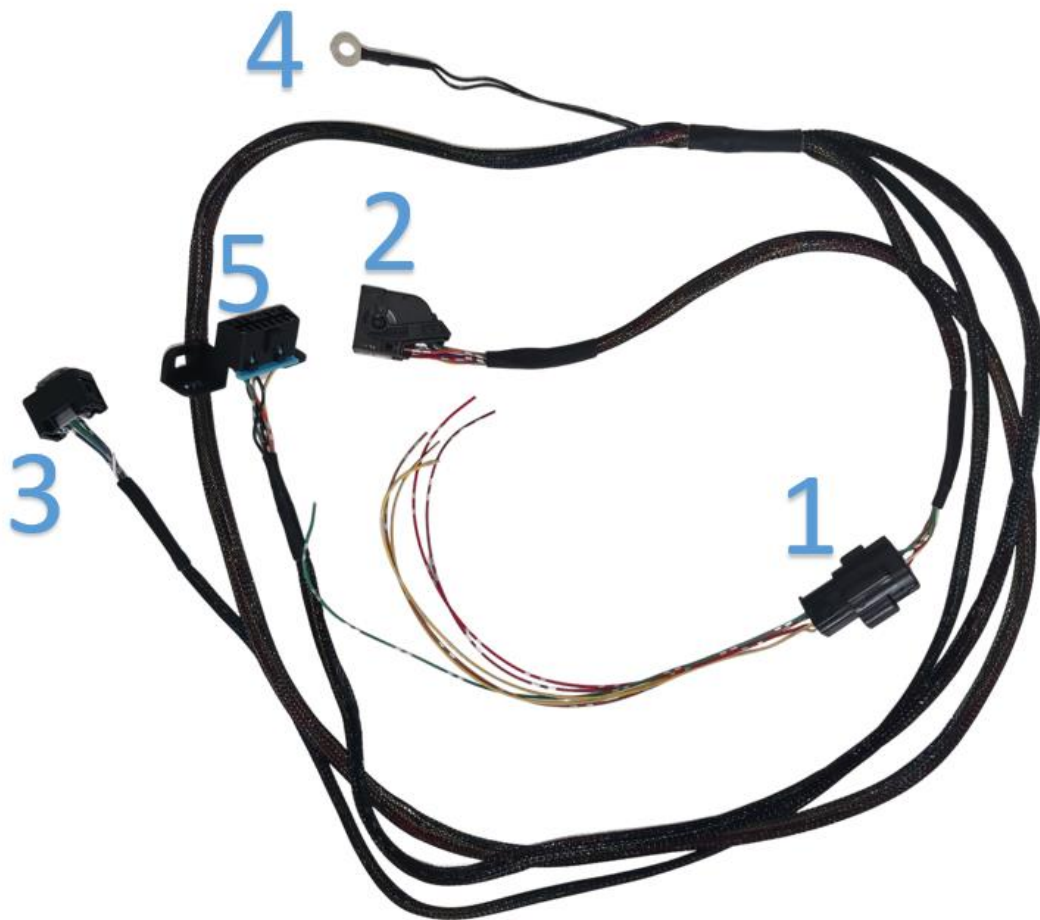




## Installation Instructions – BMW M57/M47 DDE4 Harness

The wiring loom supplied has 4 connectors and a ground. These connections are:

1. Plug for the Body Loom
2. Plug for the BMW/Bosch Engine ECU
3. Plug for the Throttle Pedal
4. Earth Ring
5. OBD II Connector (For diagnostic purposes)



## Body Loom Connection

Firstly, the correct connections to the vehicle must be found and crimped/soldered to the 6 pin plug, shown below.



The wires used to connect to the body loom are shown in Table 1. These must be securely connected through the appropriate protection as shown in Table 1.

Table 1: Body Loom Connections

Body Loom Connector	Wire Colour	Connection	
Pin 1	Constant 12v	Yellow/Black	5A Fused
Pin 2	Ignition 12v	Red/Black	5A Fused
Pin 3	Alternator Lamp	Brown	Connect to +12v through bulb
Pin 4	Oil Pressure Lamp	Red	Connect to +12v through bulb
Pin 5	RPM	Green	Output to standard rpm gauge
Pin 6	Fuel Pump Relay	Yellow/White	Switched earth to fuel pump relay

Pin 1 is a constant 12 volt supply from the car battery, this must supply power after the ignition is turned off. This should be fused to 5 Amps.

Pin 2 is an ignition 12 volt and should be fused to 5 Amps.

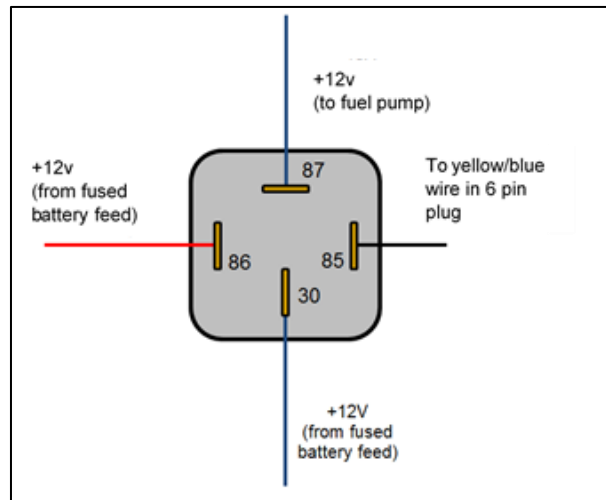
Pin 3 is an output from the loom to power an alternator lamp, this lights when the alternator is not charging while the ignition is live.

Pin 4 is an output from the loom to power an oil pressure lamp, this lights if the engine suffers a significant loss in oil pressure.

Pin 5 is an output from the loom to supply an RPM gauge with a 5v pulse

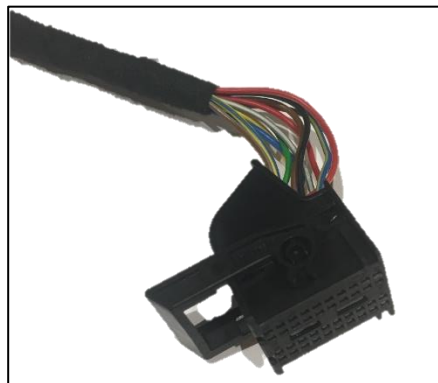


Pin 6 supplies the switched earth for a Fuel Pump Relay which in turn powers the fuel pump. Connect constant fused 12v to the '86' pin and the '85' to the yellow/blue wire in pin 6 in this connector.



### BMW/Bosch Engine ECU Connection

This connector connects directly to the Engine ECU as shown in the picture below.



### Throttle Pedal Connection

This connector connects directly to the Throttle Pedal as shown in the picture below.





## Earth Ring

The earth ring must be connected to ground. This **MUST** be a secure and strong connection to ground to avoid problems later on. The ground terminal must be clean of rust, paint and dirt to ensure a solid ground connection is made.



## OBD II Connector

The OBD port is used for diagnostics and should be located inside the vehicle. It does not need to be connected to anything for the loom to function.



If you have any queries with the installation, please don't hesitate to contact us.