D2 Controller Instructions

Most of the functions of the dash controller are completely plug and play. There are just a few connections that need to be made, in order for everything to work properly!

Included in the kit is a short harness which plugs into the dash controller, and into the D2 body harness. When disconnecting the TD5 engine harness, you will also disconnect a grey 8 way connector, this is where the controller harness connects to (see picture on second page) [C448/C162]. You may need to lengthen this harness depending on your loom, and ECU location. Connection of the loom is very simple. Below are the wire colours, and what they need to be connected to in your standalone harness.

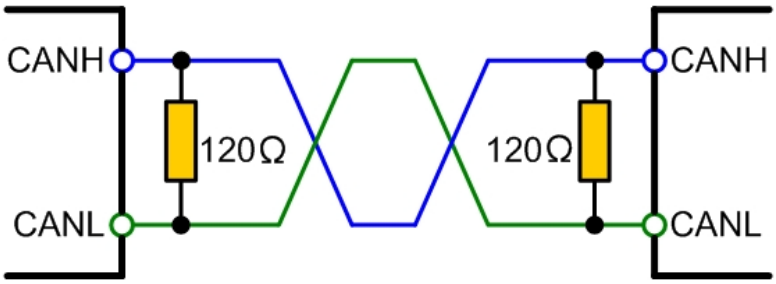
Dash Controller Wire colour	Function	House of Torque Loom
Green	CAN Low	CAN L (Blue)
White	CAN High	CAN H (Yellow)
Brown	Brake signal	Brown
Black	Brake signal	Black
Light Green	IGN	Red/Black
Grey	Oil Pressure	Red
Blue	Fuel Pump Activation	
Pink	Fan Activation	
Yellow	Reverse Light	

House of Torque Standalone Loom 6 Pin Plug

Colour	Function
Brown	Brake signal
Black	Brake signal
Red/Black	IGN live
Red	Oil Light
Green	Tacho signal – not required
Yellow/Black	Permanent live

The controller automatically controls the TD5 in tank fuel pump. The TD5 in tank pump produces adequate pressure and flow to run the M57. If you plan to use this, then it is not necessary to connect any other pump in the system. However, if you are not using the in tank pump, then you can use the fuel pump relay output to control an external inline pump, such as the BMW Pierburg pump.

Ensure that your CANbus network is correctly terminated at both ends as shown below. If you are experiencing any issues, you must check the resistance of the network with every bus participant powered down. With a multimeter across the high and low wires, you should be seeing a resistance of 60 ohms. If it is any more or less, you will be required to add or remove resistors to achieve the correct resistance.



Fan Connection

The Dash Controller has facility to control an external cooling fan. The temperature is preset to ON – 97°C, OFF – 92°C. It should be wired up as shown below. The relay coil should be supplied with an ignition live. The Dash Controller creates a path to ground, which energises the relay, and turns on the fan. It should be noted that the fuel pump relay, and the reverse light relay should be connected up in the same way.