

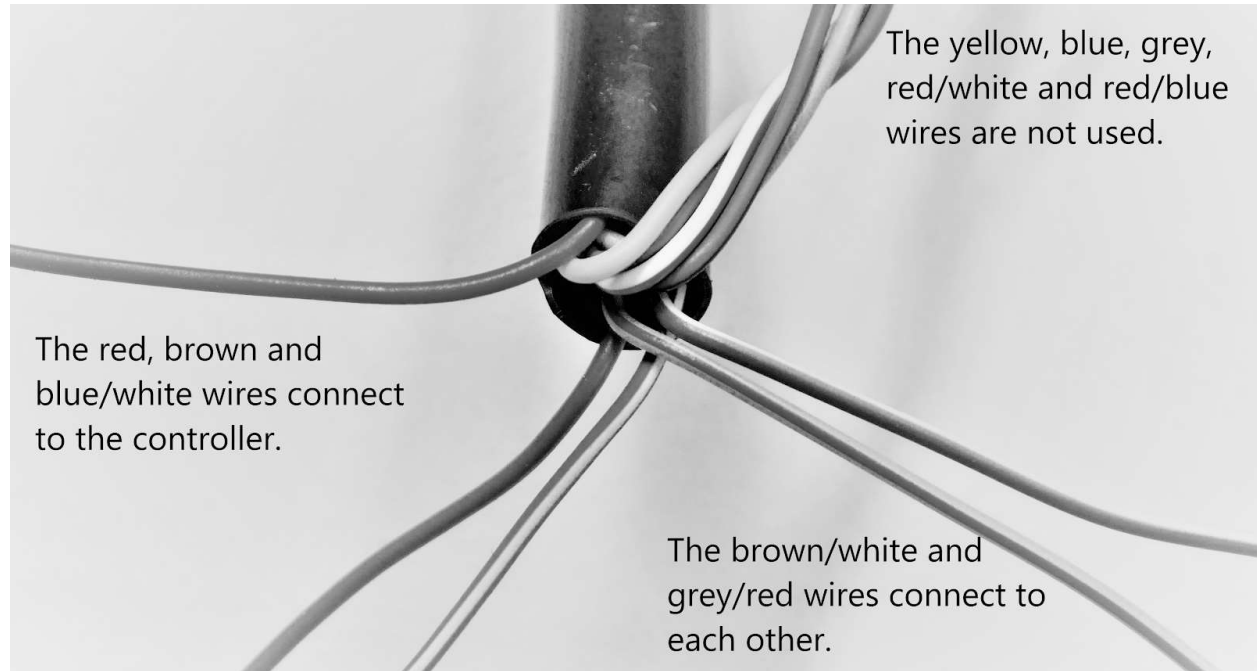
## Eberspacher D2 Airtronic Supplementary Wiring Instructions

Eberspacher diesel air heaters need to be wired up before use. Many of the wires included in the wiring loom are not used for typical installs. It is also normal to shorten the looms once the cables are installed to make the install tidy, however this is not mandatory, excess cable can also be looped up and tied out of the way.

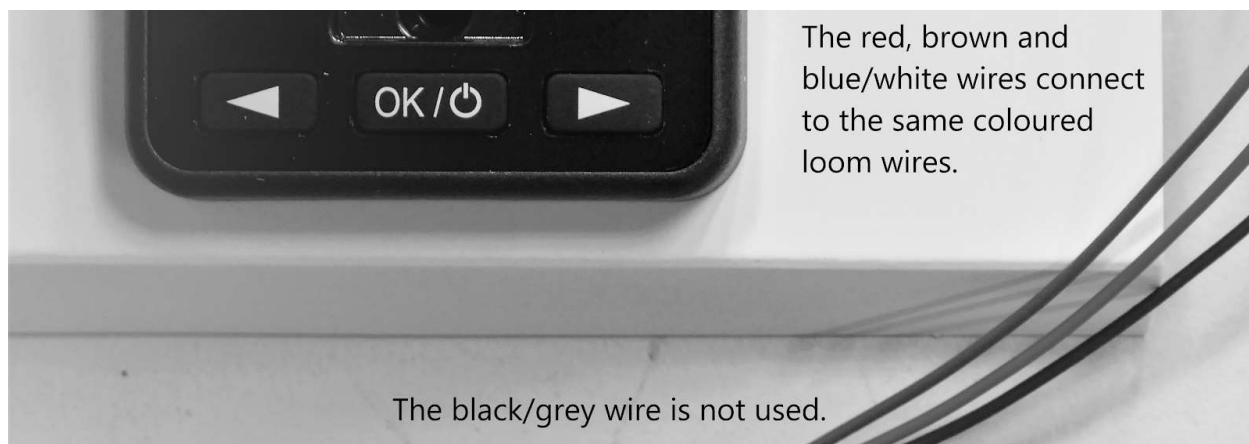
The Eberspacher wiring loom consists of three groups of wires, connecting the controller, the battery/fuse box and the fuel pump.

The group of controller wires consists of ten wires, five of which are not used. Three connect to the controller and two are wired together.

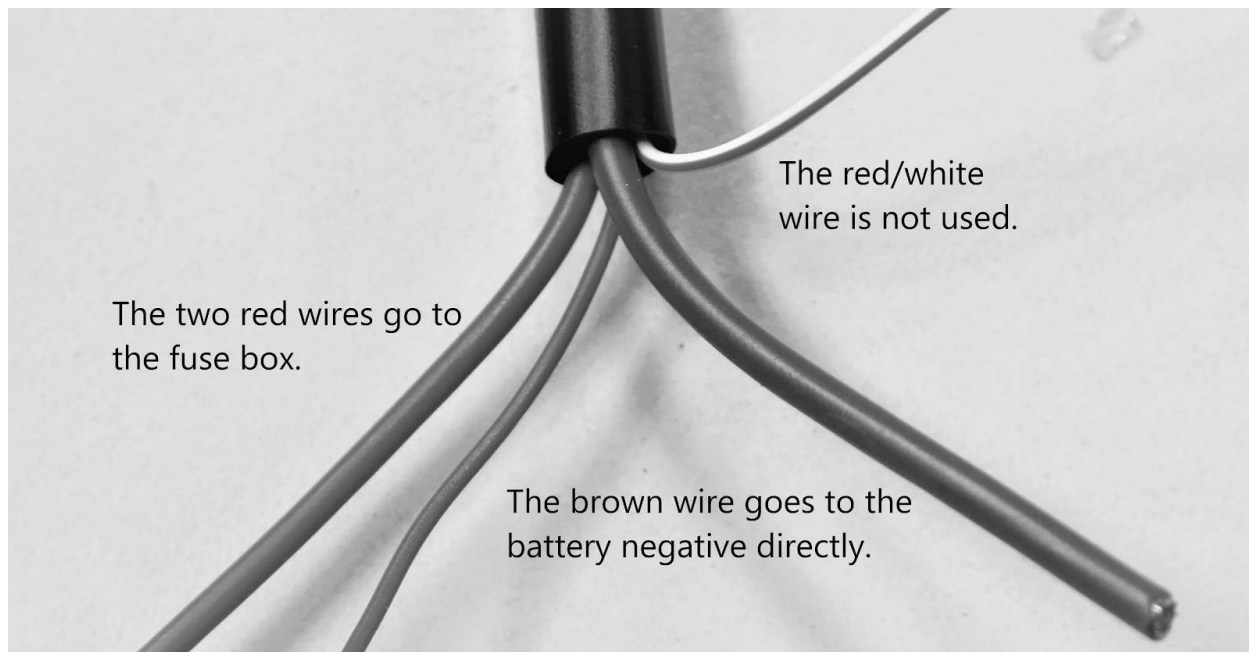
1. Make sure you connect the Brown/White and Grey/Red wires together or the controller thermostat will not function.
2. Connect Red, Brown and Blue/White to the controller. The connector pins for these wires can be fiddly to install so directly soldering these 3 wires is an option.
3. The remaining 5 wires are not needed and should be taped back against the loom.



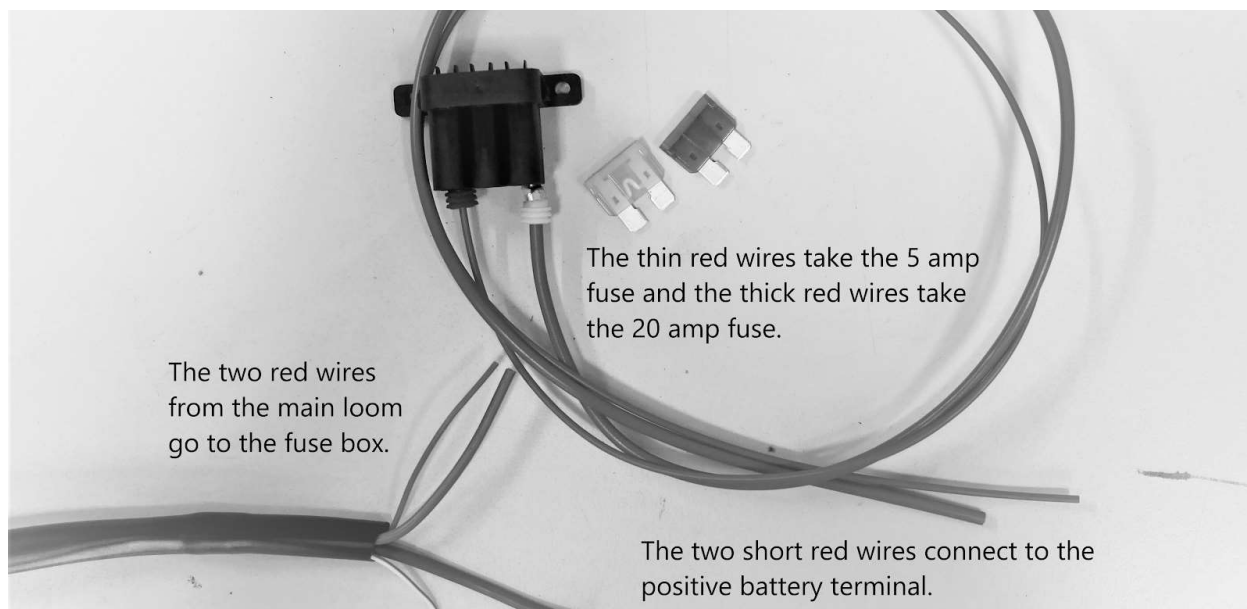
On the controller itself, the Black/Grey wire is not used. The Red, Brown and Blue/White wires connect to the main loom.



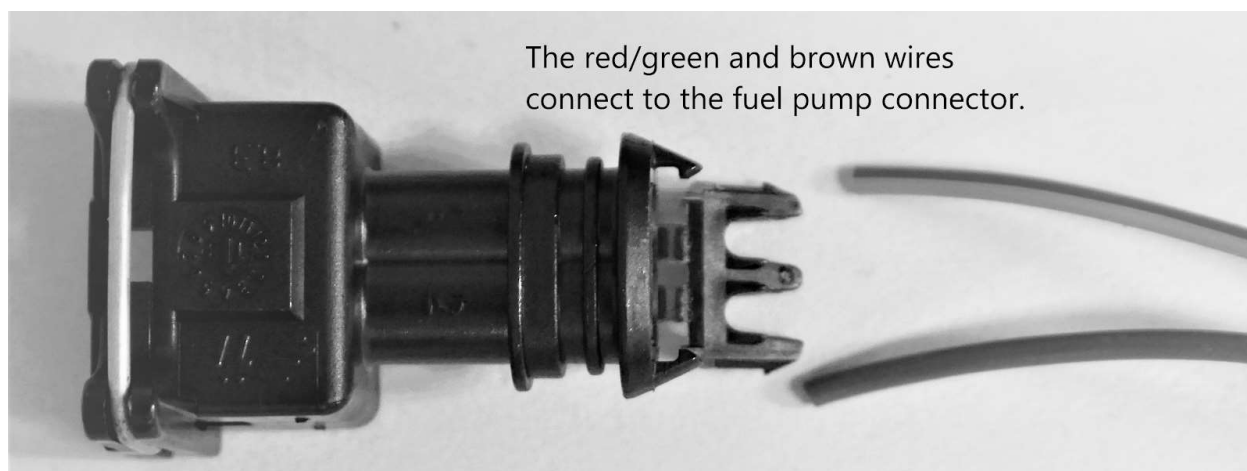
The group of battery/fuse wires consist of four wires. The two red wires are for the two fuses (the larger wire for the larger fuse) and the brown goes to the battery negative terminal. The other wire is not used.



The fuse box should take a 5 amp fuse for the smaller wire and a 20 amp fuse for the larger wire. The short red wires are routed to the battery (+) using the included red matching wires.



The third group of wires includes two that power the fuel pump. These attach to the fuel pump connector and are not polarised.



Eberspacher provide the looms in this fashion to make it easy to route the cables through cupboards, etc during the installation. Ensure that you connect all the wires/cable connectors after the wires are installed.



**NOTE: IF USING AN OPTIONAL ROOM TEMPERATURE SENSOR JOIN THE BROWN/WHITE AND GREY/RED WIRES TO THE GREY/WHITE WIRE ON THE SENSOR AND THE YELLOW FROM THE HEATER TO THE WHITE WIRE ON THE SENSOR.**