

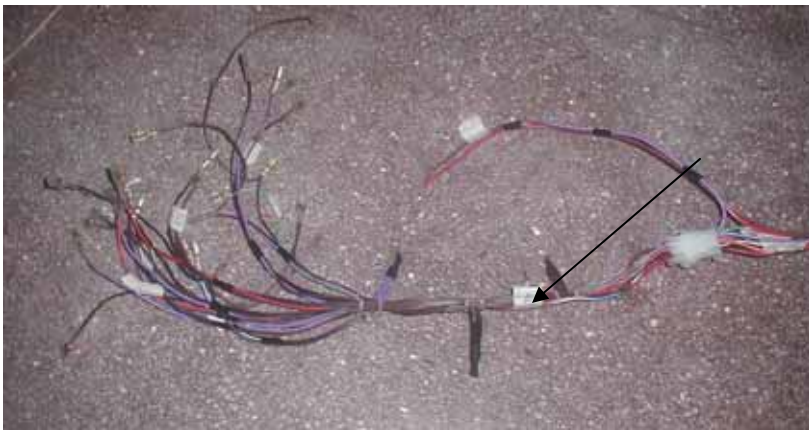
Clocks & instruments wiring

The make of your instruments will be something that varies depending upon the design and style you prefer, if you want to have very original instruments, or whether you want modern and custom made.

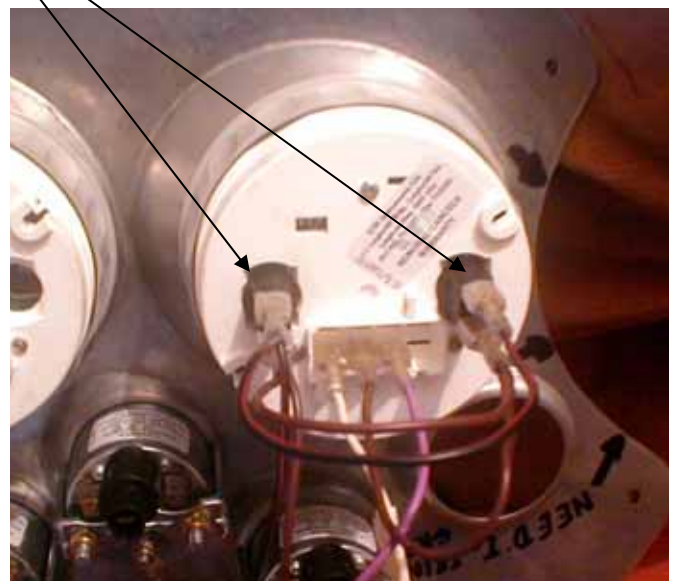
We tend to use ETB instruments to supply the instruments for our and all the picture's are of ETB equipment, VDO, Smiths, SW, and the other makes may be different to the ones pictured.

Method:

1. Once you have obtained your instruments and have designed the layout and the way that you are to mount the instruments, whether in a metal panel or into the GRP dash.
2. Mount the instruments into the dash in the layout that you have decided on, remove the clocks / instruments sub loom from the main loom.



3. A point to note, there are illuminations in each instrument, the rev counter and Speedo have two lamps one on each side of the dial. The smaller 52mm clocks have only one lamp, depending upon the make of instruments the – (ground) feed to the lamp may come from the outer case or it may need a separate –(ground) this can be taken off the brown instrument ground wire using a “piggy back type spade connector” and a extra piece of wire.



4. Each of the illumination bulbs requires a + positive (side light) and a – (ground brown) feed, the plastic cased rev counter and Speedo the lamps have two spade connections on them, it does not matter which way round the wires are fitted on these lamps, the brown linked wire should run from lamp to lamp and then on to the ground pin on the main connections. The side light wire (single loop) should run lamp to lamp.
5. If you are unsure of any connections refer to the manufactures technical sheet that should be supplied with you instruments, the Rev counter and the Speedo will vary from make to make. Use the information provided with them to locate the Brown (ground) and the ignition + violet connection, this should only leave the command wire to be connected.



B- Volt meter brown Ground



B+ Violet Brown Ground B- or T- coloured wire

6. Depending on your set up you may need a ground wire “piggy backed” on the volt meter to make the lamp light if the negative feed does not connect to the outer case. If you are using a metal panel as shown above and metal cased 52mm clocks there will be no need for the extra wire as the panel will complete the connection.
7. Continue connecting all of the meters, once complete double check the connections and then reconnect to the main loom with the multi plug.
8. Turn the ignition on to the “ACC” position the instruments should move to the 0 positions or the Volt meter to 12 volt. Switch the side lights on and the illuminations should light, if not re-check the connections and bulbs.