

GRAZO22 – DCI CRUISE CONTROL AND SPEED LIMITED GUIDE

As far as I am aware there are 3 types of wiring preparation on the DCI

- Full preparation where all you need to do is plug in the parts
- Dash board preparation (Plugs behind the headlamp adjuster panel but not pins in the ECU plug)
- No preparation

This guide is for a car with no preparation. [YOU WILL NEED TO HAVE SILVER SURROUND CLOCKS FOR THIS TO WORK](#)

PARTS NEEDED

- 182/v6 cruise control panel with 3 way switch (the v6 panel doesn't have the esp button so leaves a more OEM finish)
- Cruise control squib (you cannot add the cruise control wires to the normal squib)
- Cruise control buttons for steering wheel
- Clutch switch
- A few heatshrink crimps
- 1 blue splice connector
- 1 red splice connector
- Few cable ties
- 2 heatshrink ring connectors for earths
- 182 interior loom (not essential but it gives you ALL the wiring connections and terminals you need in the right colour)

ECU

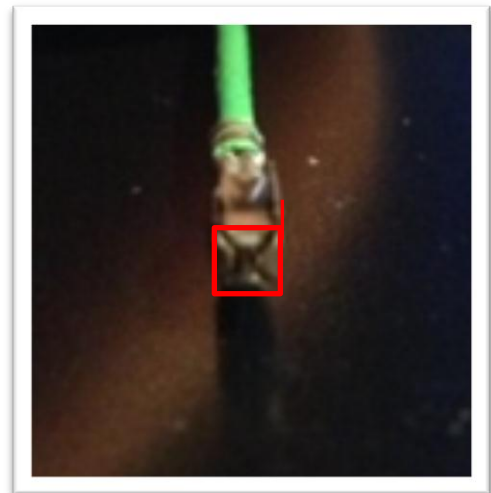
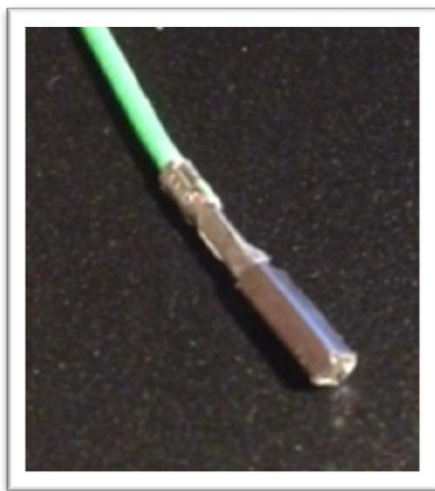
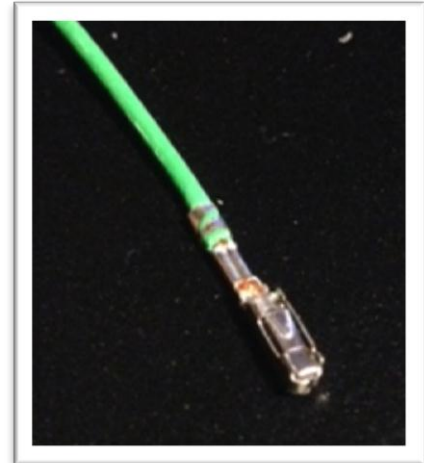
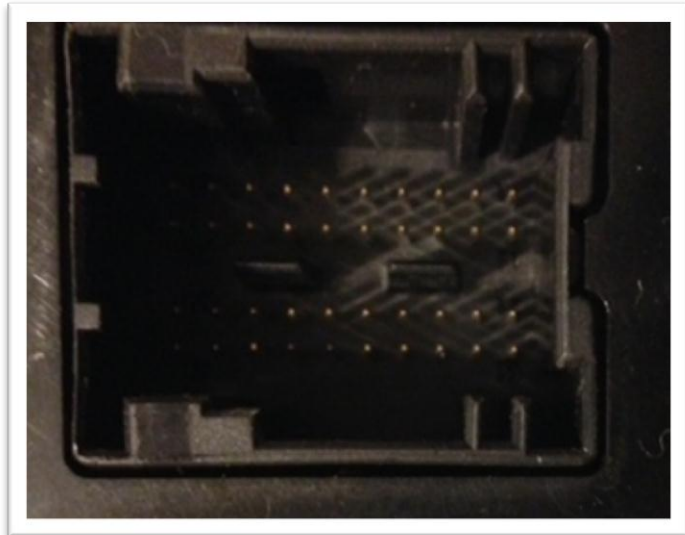
5 connections are needed on the black ECU plug. This is the one closest to the suspension, the other colours are grey and brown for reference.

- C3 – Speed limiter on/off
- A2 – Cruise control on/off
- C4 – Clutch switch
- D3 – Cruise control button return
- D2 – Cruise control button program feed

To access the wiring, remove the grey locking bar and also about 2 cm of the harness wrapping closest to the plug. Remove the cap, it slides off. You should now be able to see which wires you have. Check you have pin e4 filled as well but you should already have this in place.

To insert new pins release the blue wire surround from the plug with the 4 clips, manoeuvre further up the wiring and then remove the insulating jelly surrounding the wires. Relocate the blue surround.

The pins which fit into this ECU plug and connect to the ECU pins are the same as on the interior loom plug which connects to the UCH socket pictured below. I have drawn in red the shape of the connector. From the 182 loom remove the number of connectors you need and leave as much wire on them as possible.



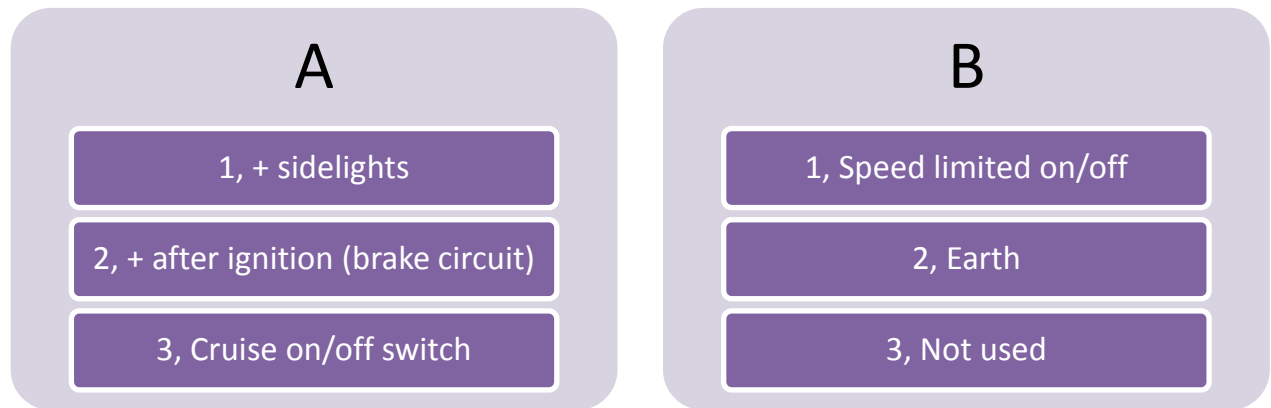
To insert the pins remove the green locking bar on the side of the connector block. Put the pins in and label the wire which pin it goes to. Put the locking bar back and reassemble the plug. Put the ECU cover back on.

INTERIOR

As a minimum remove the upper dash, steering wheel and airbag, steering cowlings, squib, passengers airbag, headlight level panel.

I recommend you remove the whole lower dash to allow better access to the main loom.

From the 182 interior loom find the cruise control connector block, it's white with a little black cap on. There should be five wires coming out of it. Green, yellow, blue, light grey and dark grey.



Follow these wires back as far back as you can in the loom and cut them off. The earth, sidelights and 12v go to common terminals. Cruise/speed wires go to the r107 connector block which sits on the firewall and go into B10 and B11.

Find the yellow plug which connects to the squib. Remove the 2 wires which are on the top row, these are for the cruise control buttons and follow back to B8 and B9 on the r107 connector block.

Now find the clutch switch wires and remove them as far back as you can. G5 on r107 for the long wire, the other is a short earth.

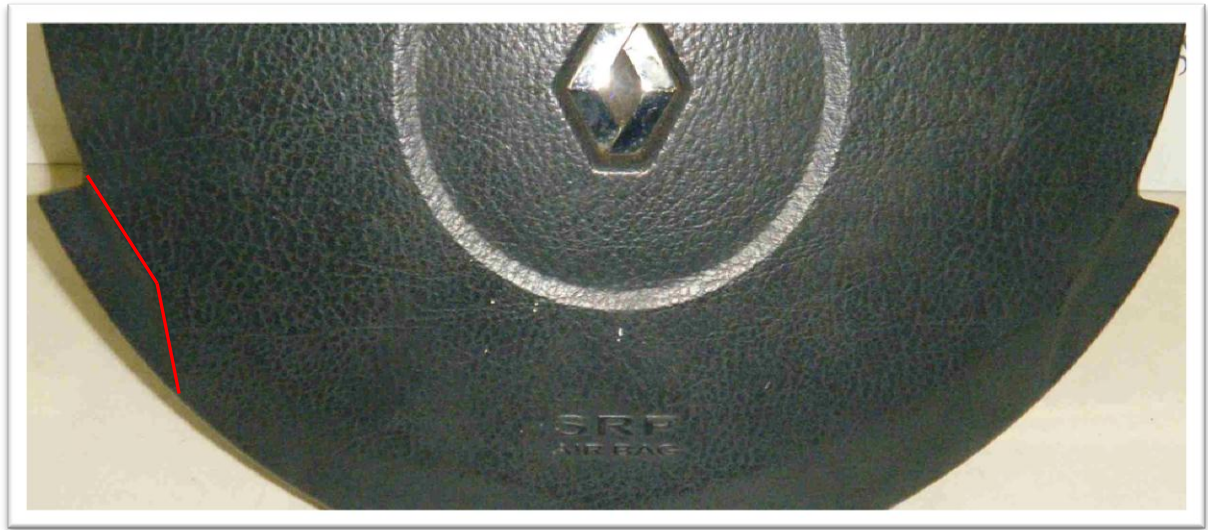
For the 3 way switch you need to follow the yellow wire back from fuse 2 in the dash fuse box. This is the brake circuit. Splice the wire (blue splice) from A2 (above diagram) onto this wire from fuse 2. B2 can be attached to any earth depending on how much wire you have. I opted for the top right earthing screw on the dash. A1 spliced (red splice) to a wire which turns 12v when the sidelights are turned on, I recommend the headlamp levelling plug. Fit the wires for the squib into your connector. Put the clutch switch in and cable tie the pink wire, 2 squib wires and A3 and B1 to the rest of the dash loom and bring them out in the passengers foot well. You should have 50cm or so still left on the wire at this point. Connect the earth on the clutch switch to a suitable piece of metal.

Nearly there!

Feed the 5 wires through the bonnet release cable grommet. Depending on how much wire you have excess you can do this from the engine side or the dash side. Connect the corresponding wires using the heatshrink clips.

Attach the cruise control buttons to the steering wheel. You have to remove the top part of the horn assembly (3 clips) and then push the remaining bits to the side. A little bit (3mm) of the wheel may need to come off just at the top of where the button sits so. If you need to do this you will see.

Cut the airbag to the shape needed to fit the buttons. I used an image of the 182 airbag to judge how much I needed to cut but you can cut along the top of the ridge as below. An angled cut on the bottom is required for the angle of the buttons.



Fit the squib and steering wheel, connecting up all the squib bits. Reassemble the rest of the car and you should be set to go. Run the car, turn the ignition off and turn the engine back on. Change the position of the switch to either cruise or speed limiter and you should see the corresponding light on the bottom right (as below). I cannot guarantee but if you have analogue clocks you should be set to go now and see SET--- on the display. If you have the digital fuel gauge you are likely to need the clocks programming with clip to get this to show.

