

Fitting a LED Brake Load Resistor Patch to a 'MotorCycle Cruise' electronic cruise control using the MCS8000C cruise control computer.



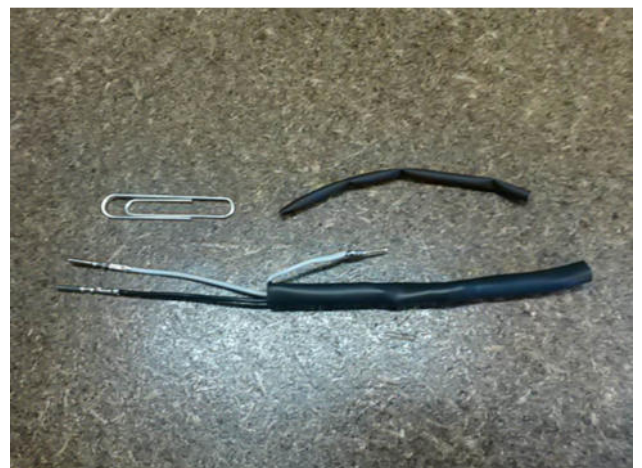
Note: - This patch is only suitable for the later model MCS8000C computer. This is the smaller computer shown in the black plastic box in the photo.

The previous model is the one in the metal 'box' at the rear of this photograph. This patch will not work with the earlier model.

WARNING: - The wiring 'pin' positions on the new model are different to the old model and the units are NOT interchangeable without re-wiring the connector.

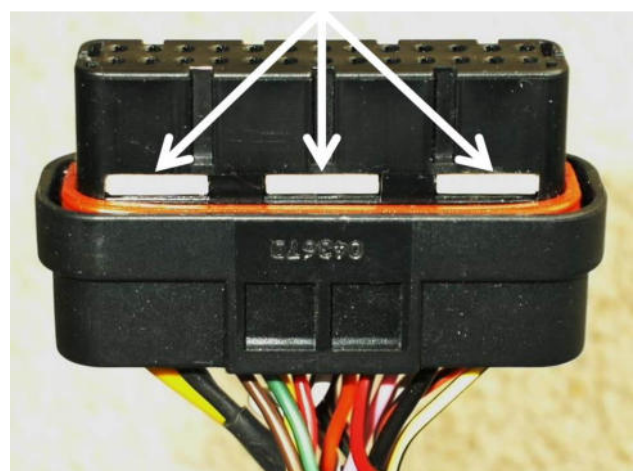


The parts in the 'kit' are the patch, a length of heat shrink tube and a paper clip.



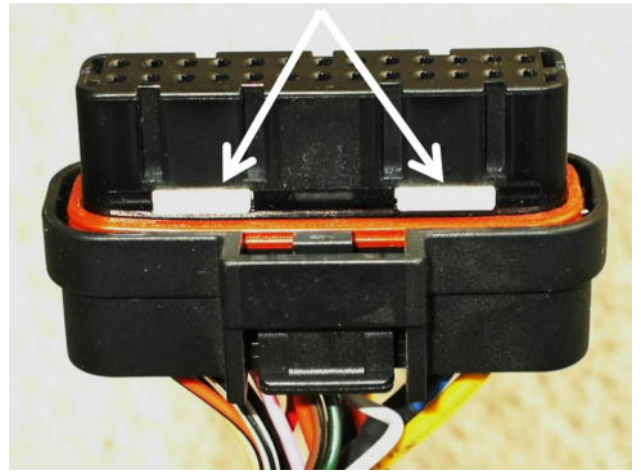
Disconnect the plug from the cruise control computer.

Turn the plug upside down and press the three white rectangles down. They will move about 3mm (1/8").



The two white rectangles on the top of the plug will rise about 3mm.

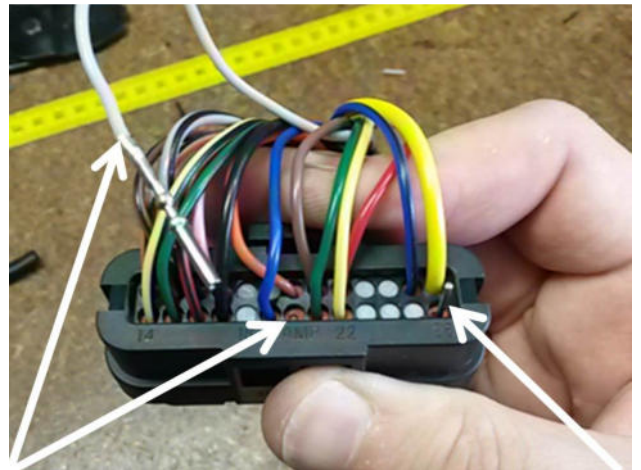
This releases the terminal lock in the plug so terminals may be backed out of the plug.



Gently pull the grey brake sensor wire (terminal hole 20) out of the plug (left arrows).

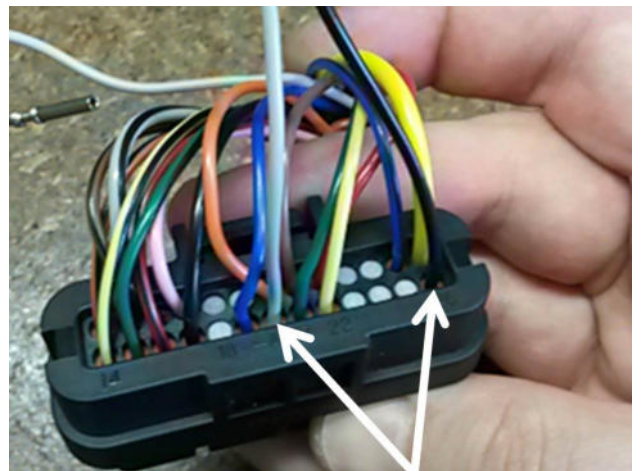
If you have any difficulty getting the terminal to back out, use the paper clip to push the terminal out. Otherwise contact us for assistance.

Unbend the supplied paper clip and insert it into terminal hole 26 and push out the white blanking plug in the wire hole (right arrow).



Insert the terminal on the grey wire from the supplied 'patch' into terminal hole 20 (left arrow).

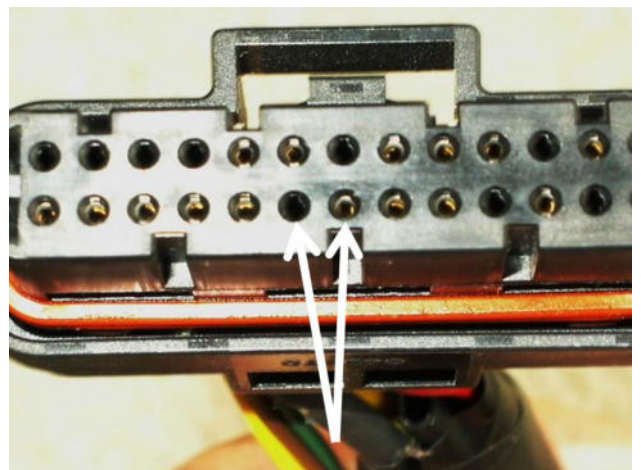
Insert the terminal on the black wire from the supplied 'patch' into terminal hole 26 (right arrow).



Check that the inserted terminals are pushed in all the way.

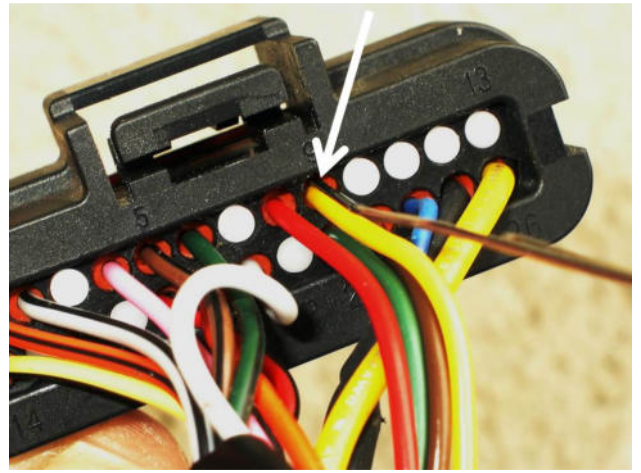
The holes arrowed in the photo show a hole with a terminal and one without. You must be able to see the end of the terminal in all the holes that have terminals.

Push the two white tabs down to close the terminal lock. If the lock does not push down easily, one or more terminals are not fully home.

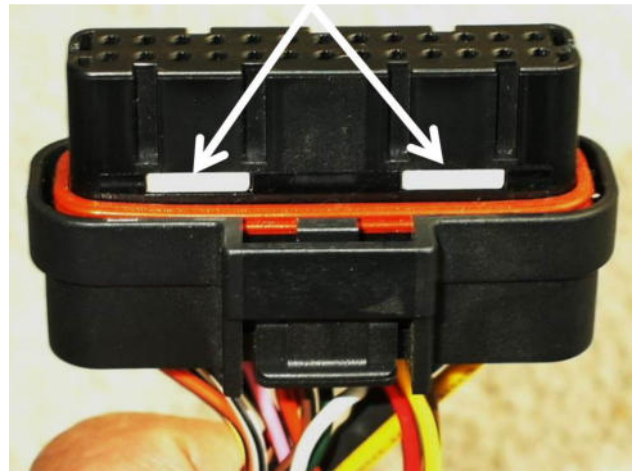


If any terminals are not fully home, use the paper clip to push the terminal in all the way.

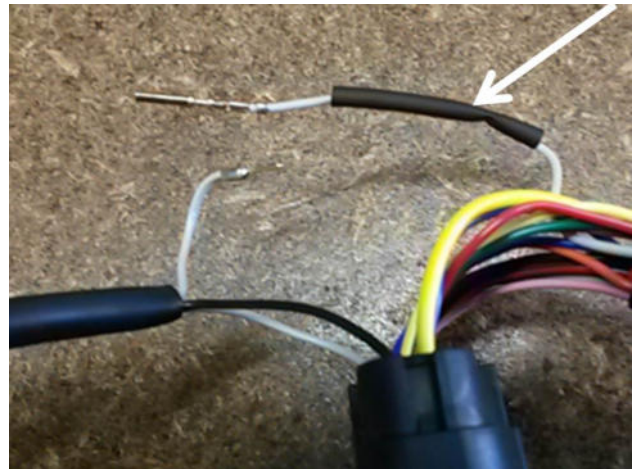
Push the end of the paper clip in between the seal and the wire insulation so it contacts the end of the terminal inside the plug, then push the terminal in all the way.



Push the two white tabs down to close the terminal lock.



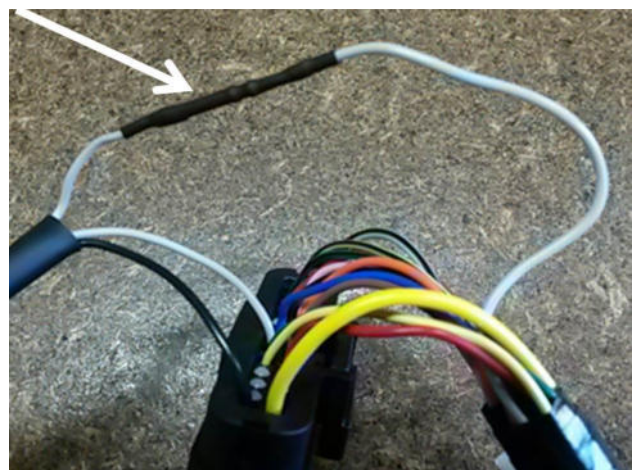
Place a length of the heat shrink tube over the cruise harness grey wire and terminal.



Connect the terminals on the grey wires from the patch and the cruise harness.

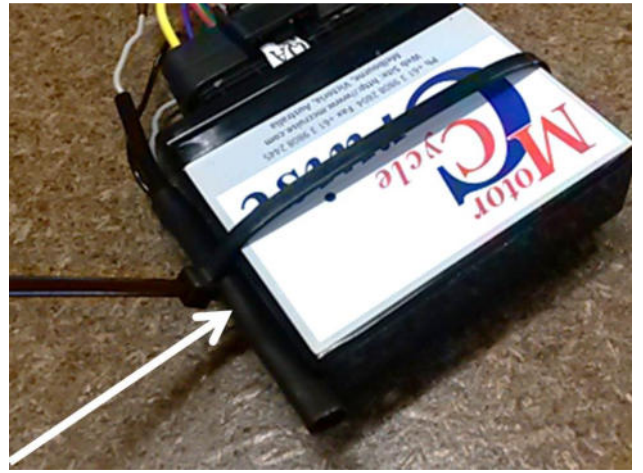
Slide the heat shrink tube over the terminals.

Use a suitable heat source such as a hot air paint stripper to shrink the tube.



Connect the cruise control harness to the cruise control computer.

Cable tie the 'patch' to a suitable location, either the cruise harness or to the cruise control computer as shown here.



Position the terminals on the grey wires next to the cruise control harness.



Tape the grey wires to the harness.

