

Control Panel

Let's now move on restoring the control panel of the A/C unit. This panel is almost identical to the original that the car has and only the extra switch engaging the A/C is added. However, there is huge difference in the way the switches operate on the air ducts, hot/cold air handling etc.

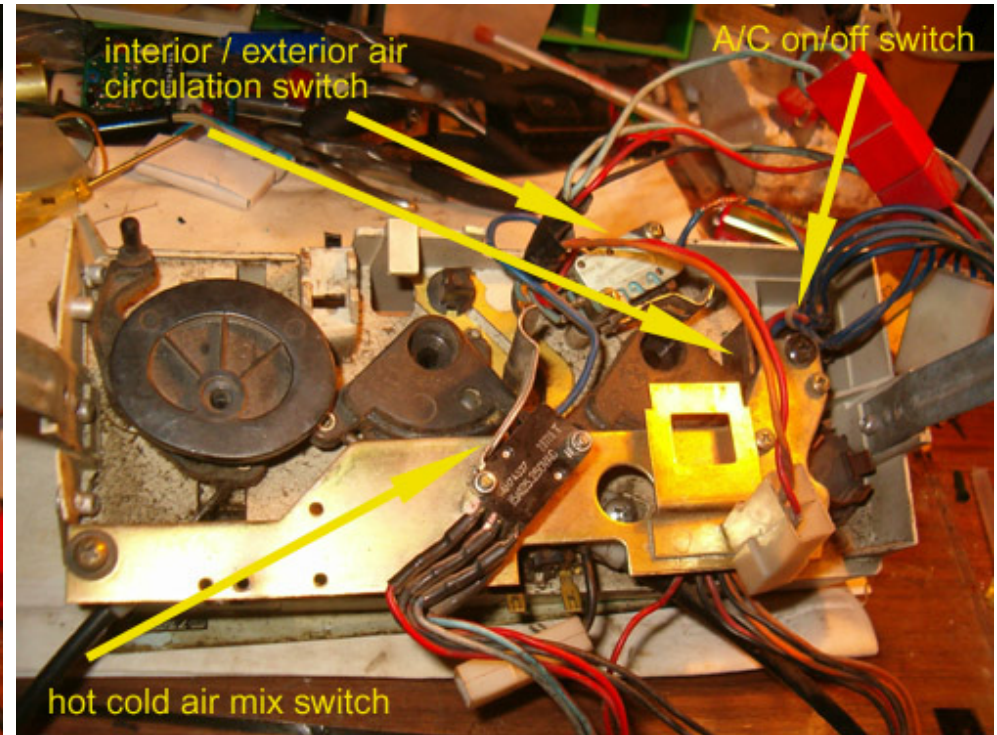
The main differences worth mentioning is the interior/exterior air circulation where instead of acting on the ducts via cables, the handling is done with the aid of two micro switches triggering a servo motor located on the evaporator unit (engine compartment side).

In addition, hot/cold air selection is done with the help of cable operating on the coolant cut off switch and in the mean time a micro switch operates on a servo motor that actually cuts out air flowing towards the heater matrix. (passenger compartment side of evaporator). As far as the air flow direction is concerned (windscreen, face, feet) the original handling via cables is preserved.

Since there were quite some issues on the control panel like broken support bracket and broken selector knobs I decided to keep the wiring and fascia and use the original control panel installed on my car and modify it as needed.



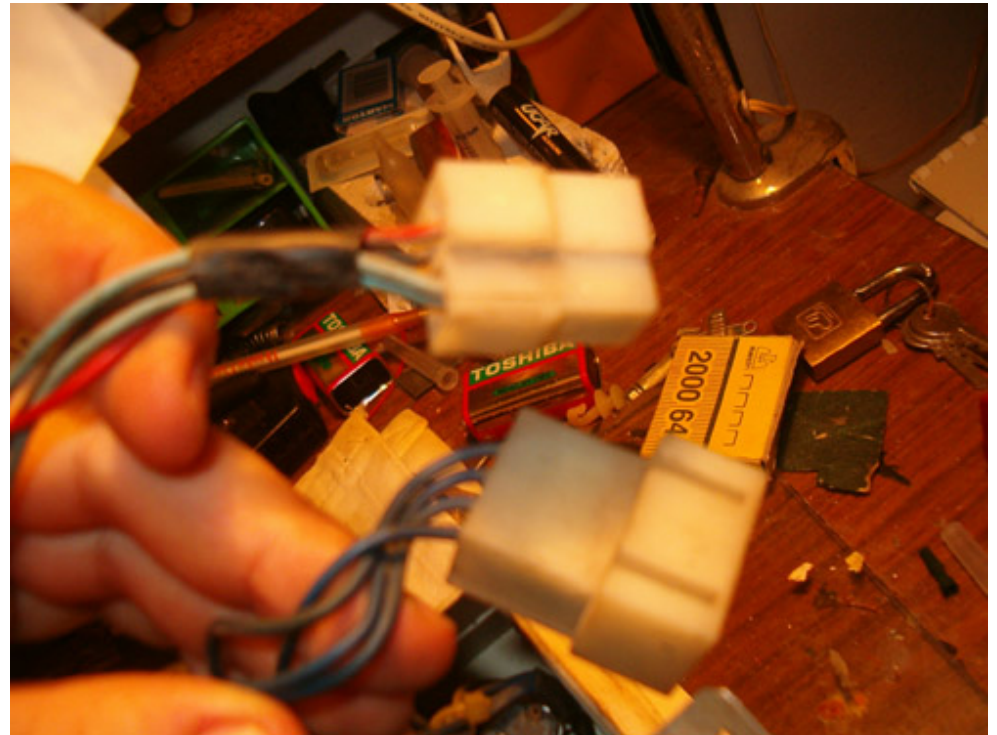
Here is the control panel as taken out of the donor car. The fascia will surely need a good cleaning



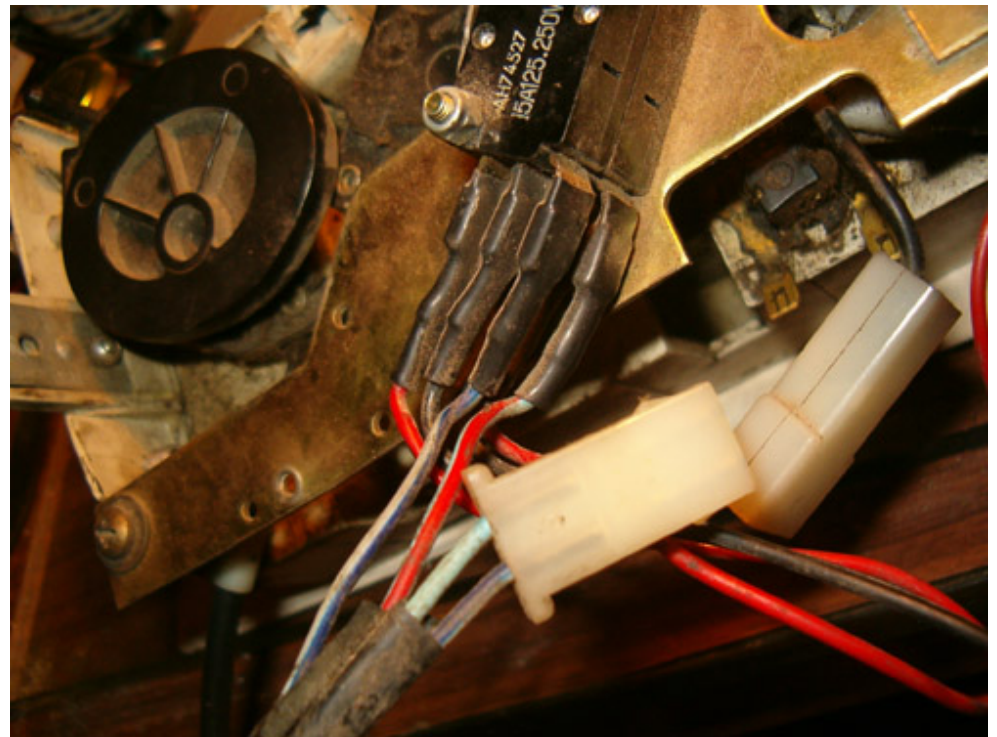
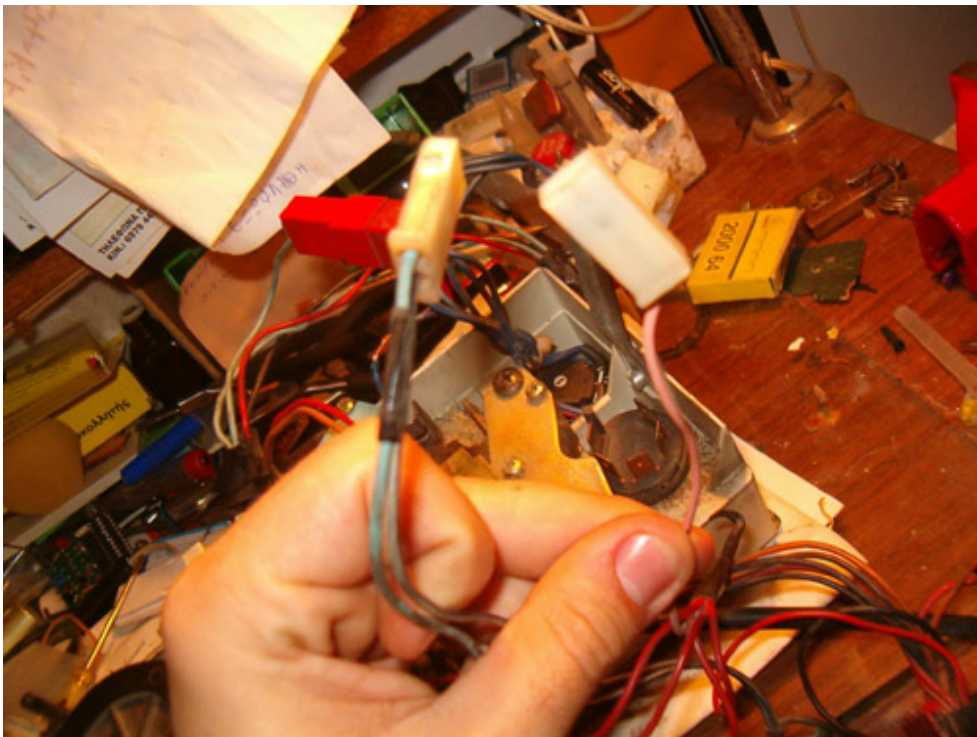
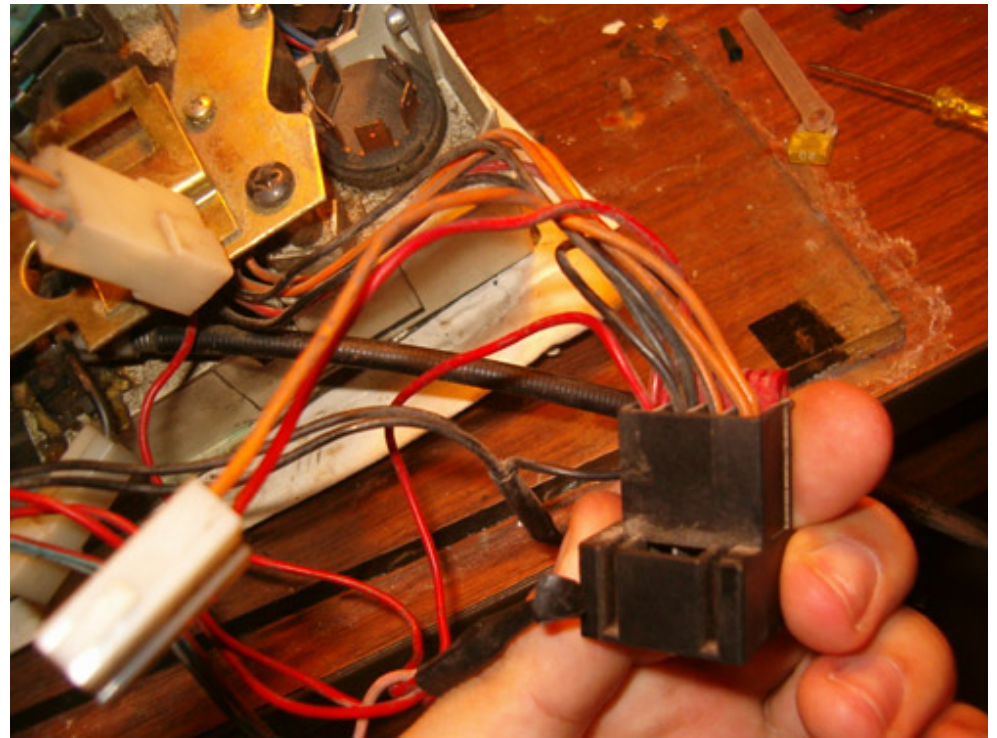
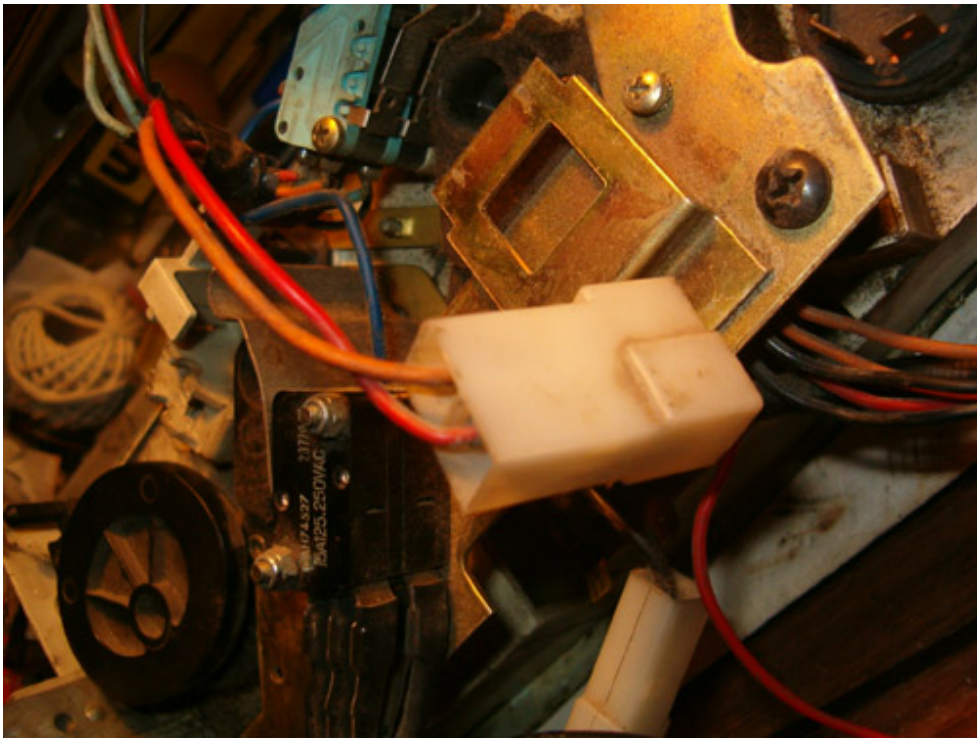
Rear part demonstrating micro switches and connectors



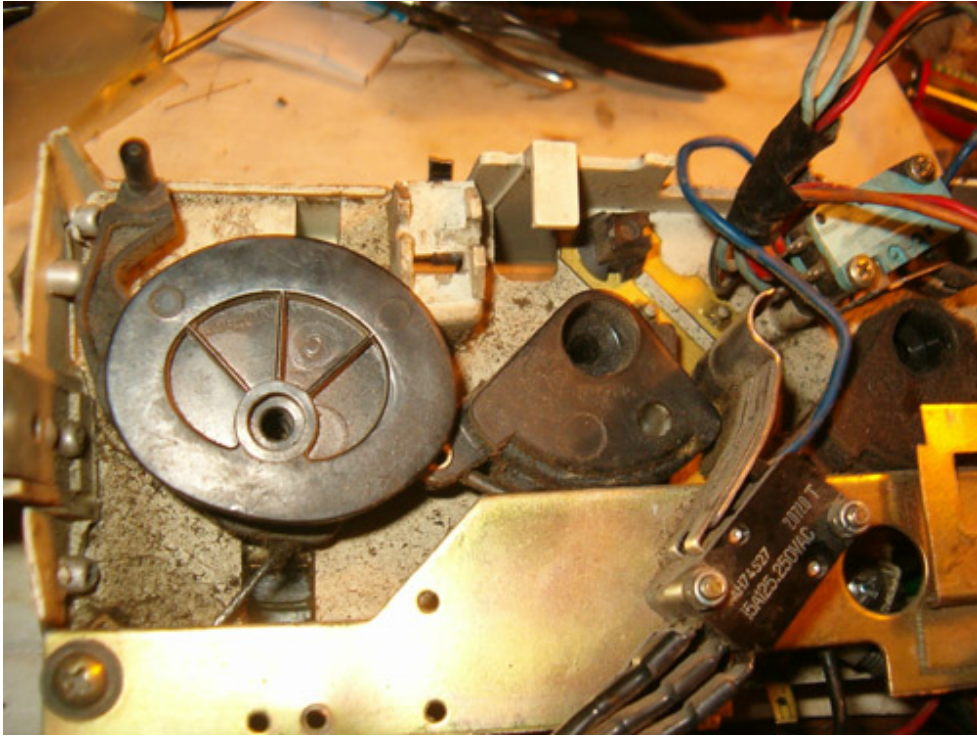
Broken support bracket and a dodgy job from the past...



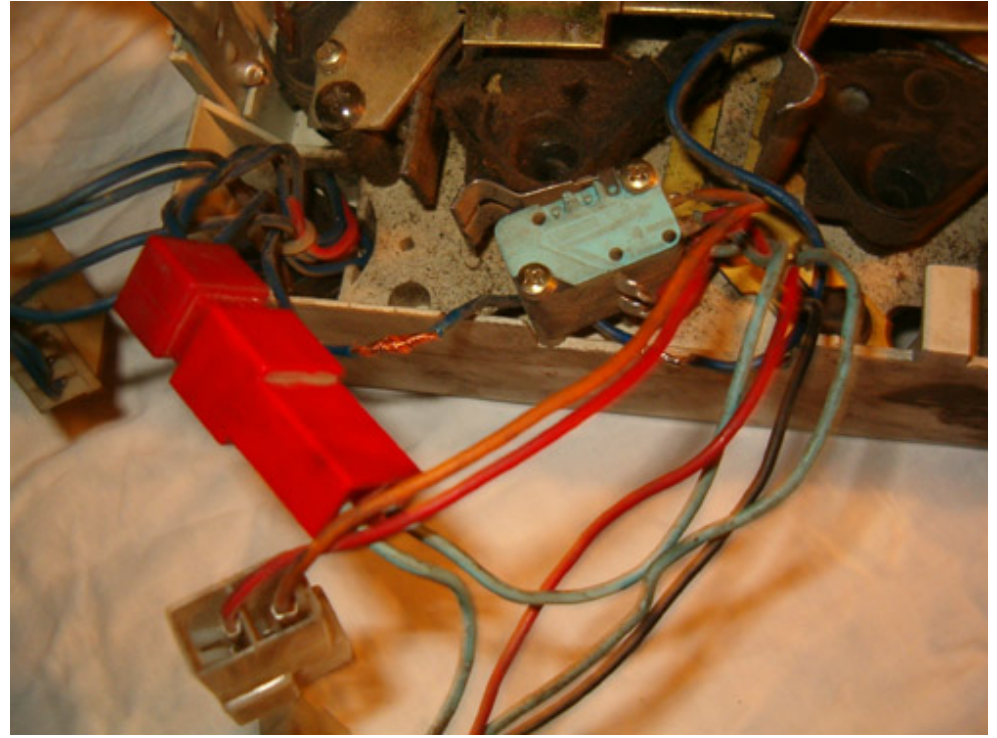
Evaporator harness connectors ...



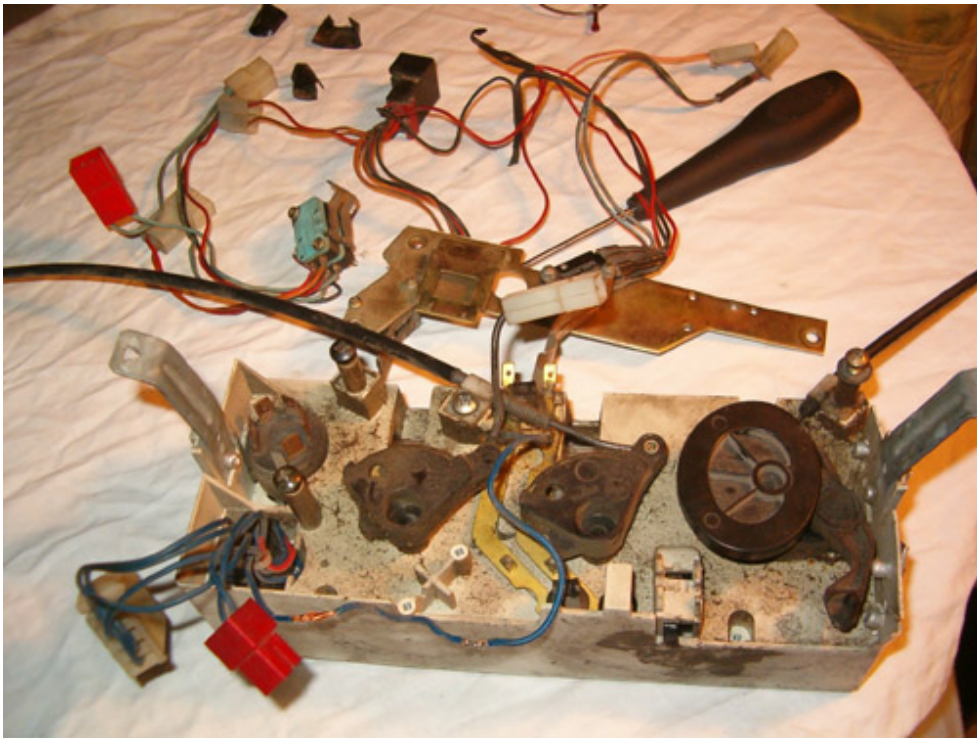
more connectors ...



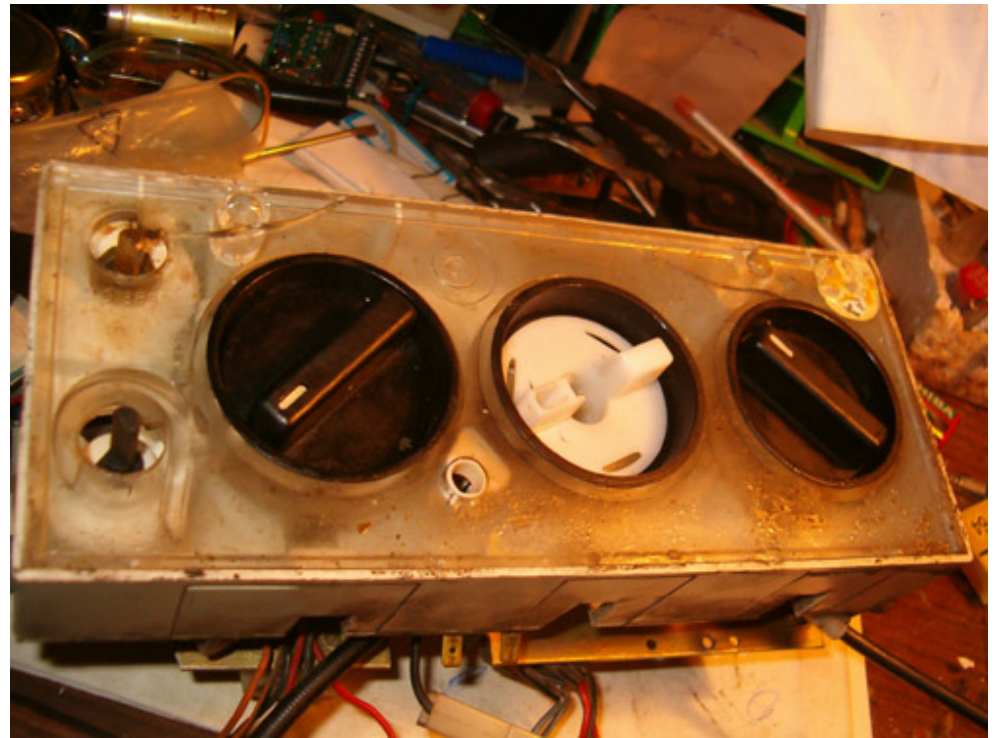
Close - up of the micro switches



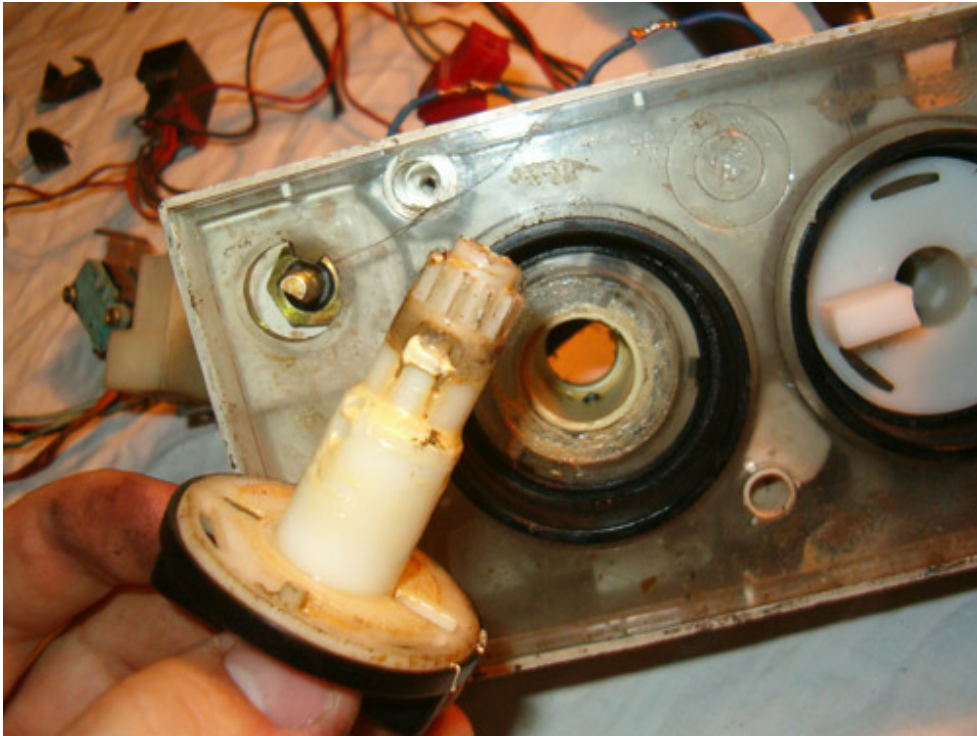
A/C on/off power connector (red)



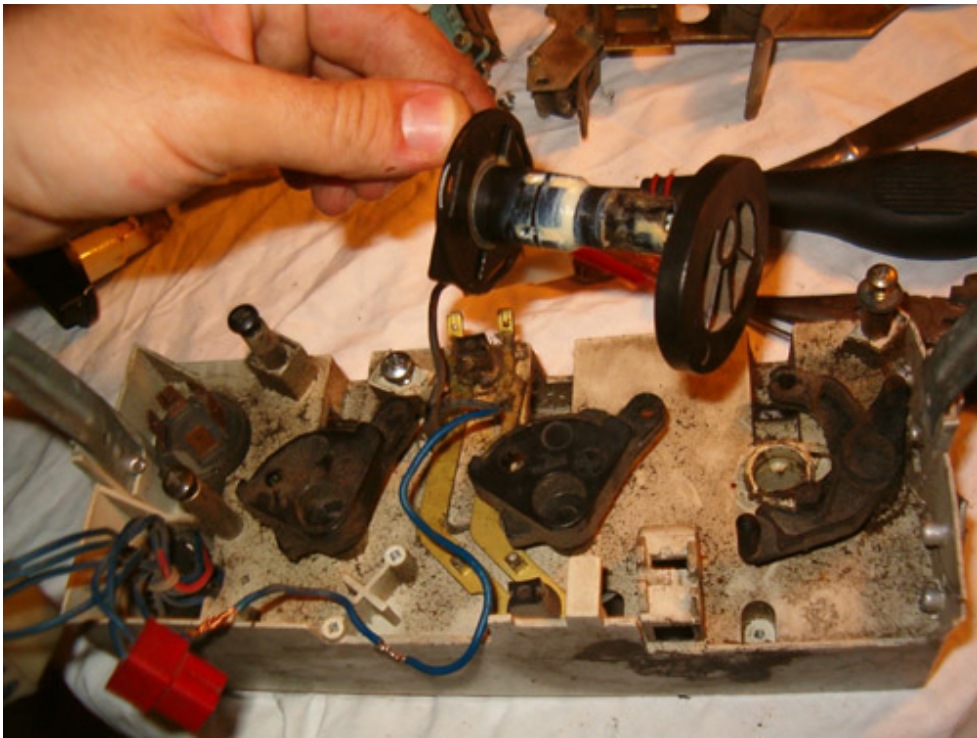
Exploded view of the control panel



Facia is removed.



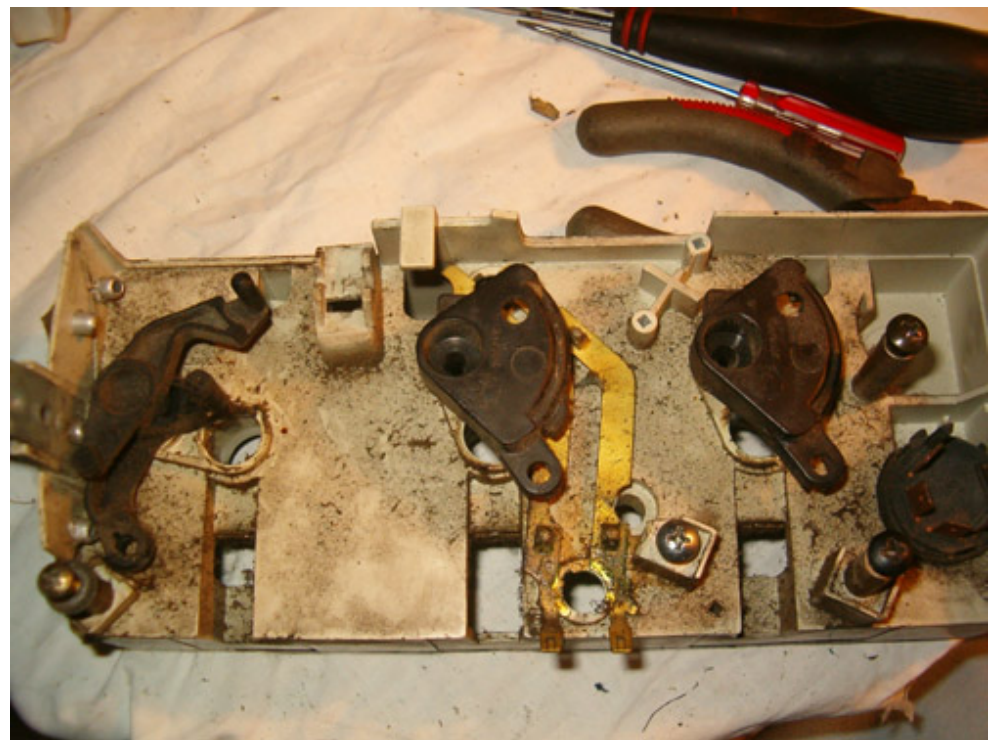
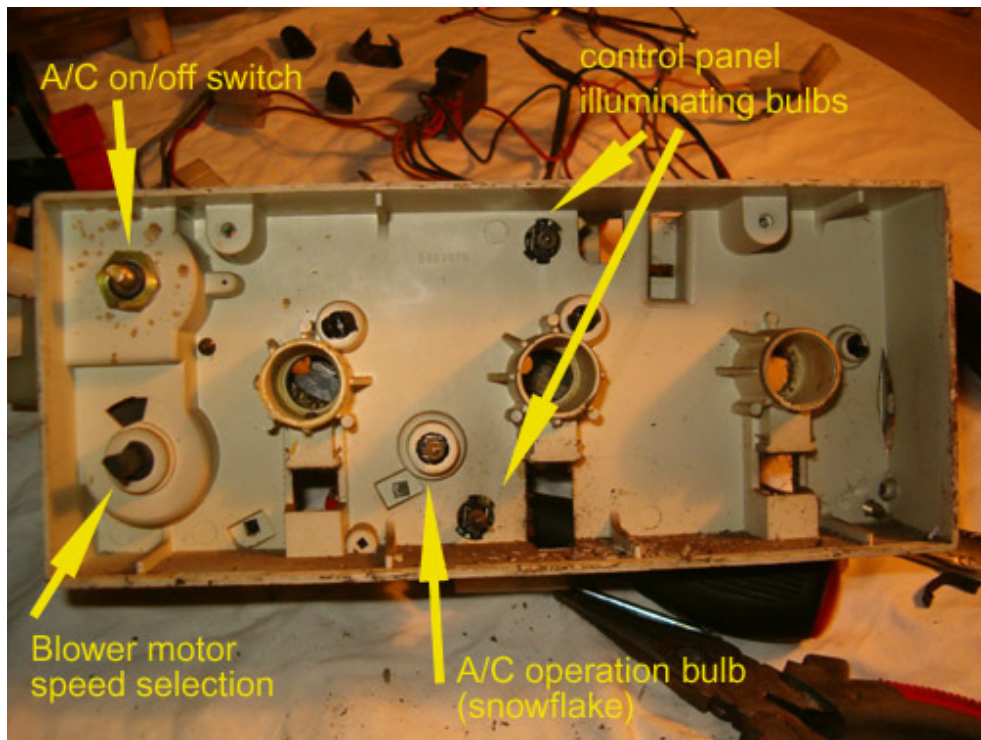
Remove knobs. Unfortunately all three knobs had broken teeth; it is of minor importance since I will use the original knobs out of my car.



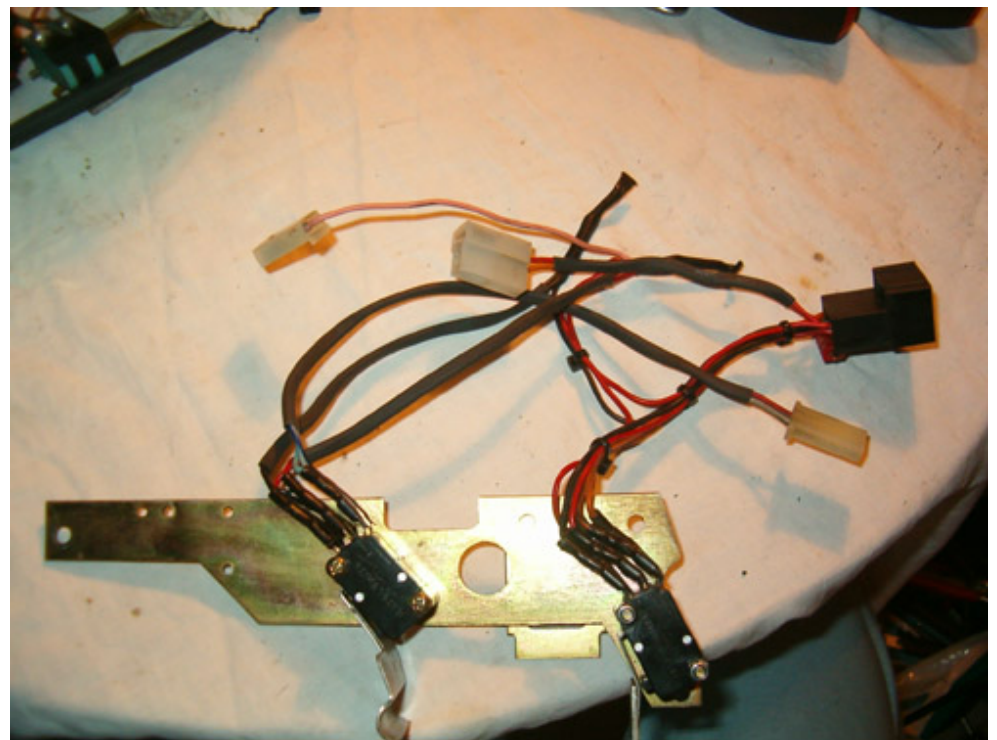
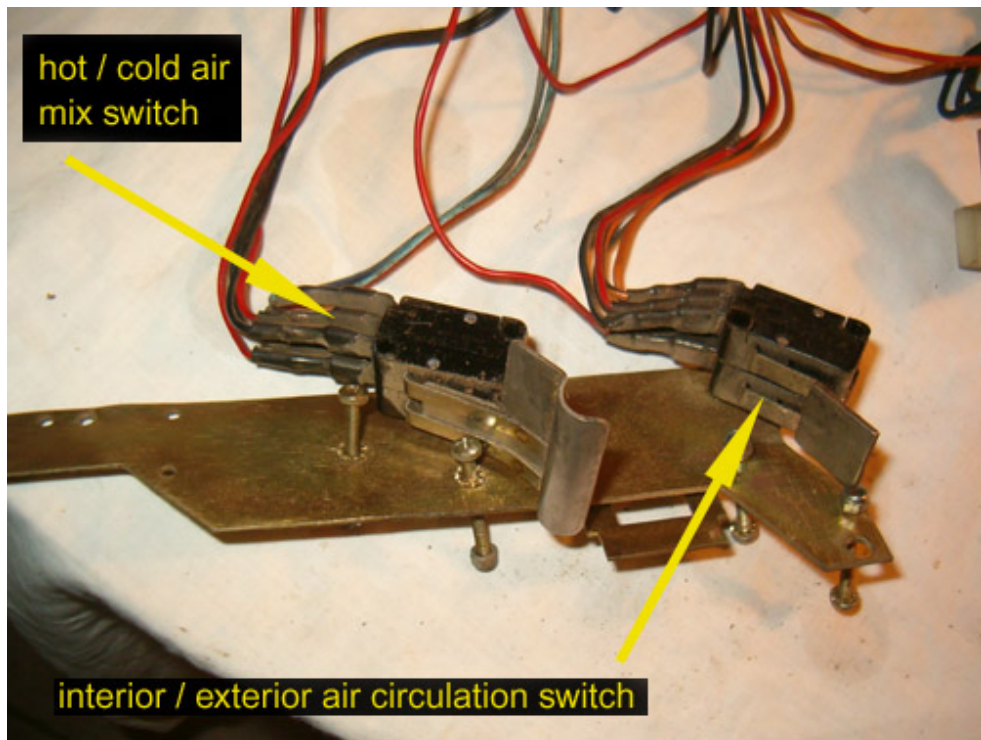
Remove rear parts ...



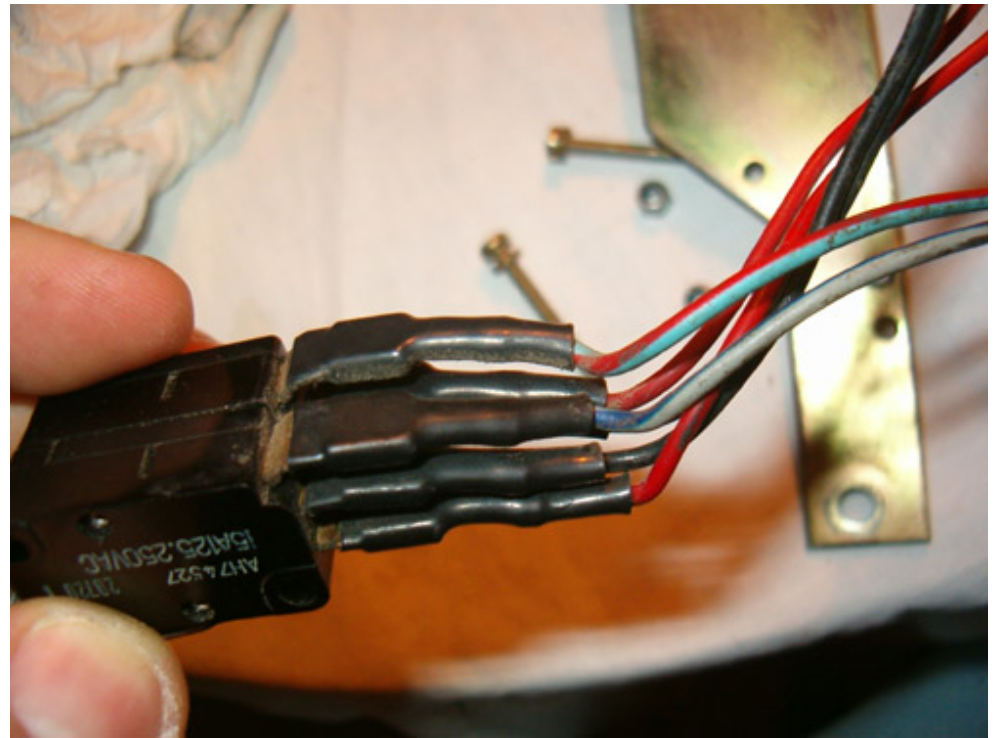
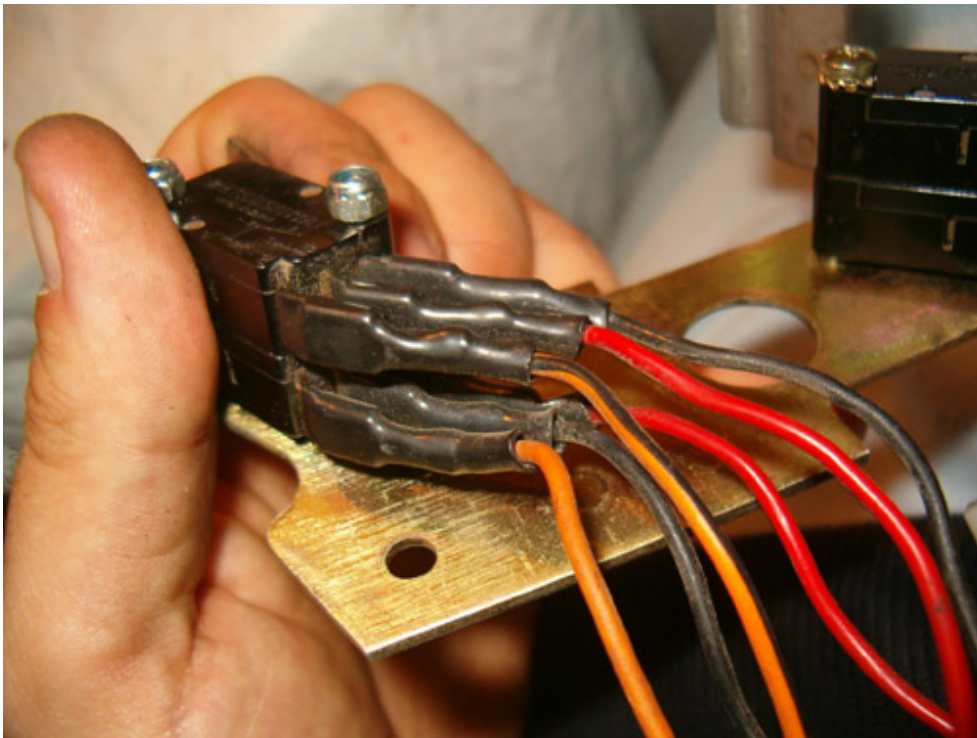
... and front panel clear clear galss.



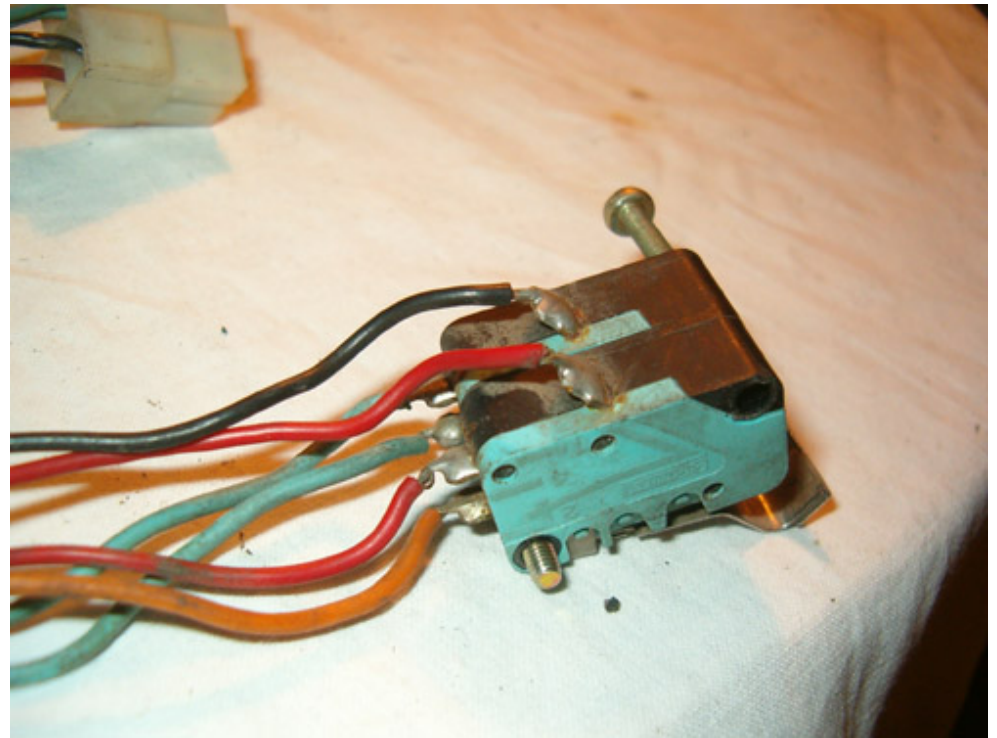
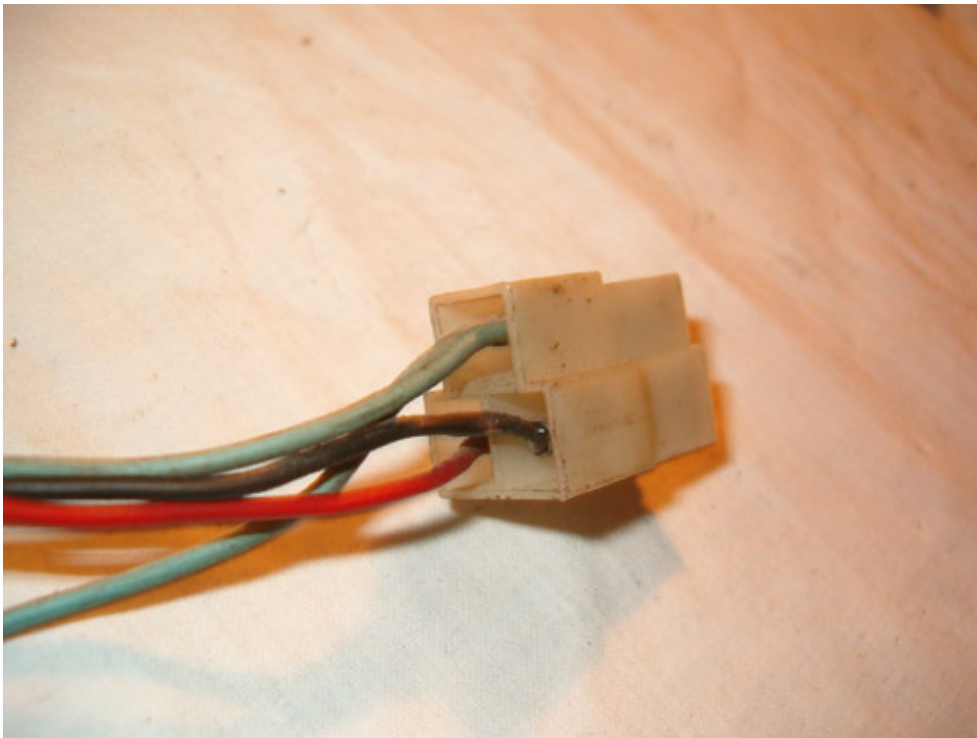
You may now remove bulbs and it is high time for soaking the control panel in hot water and soap to clean everything up



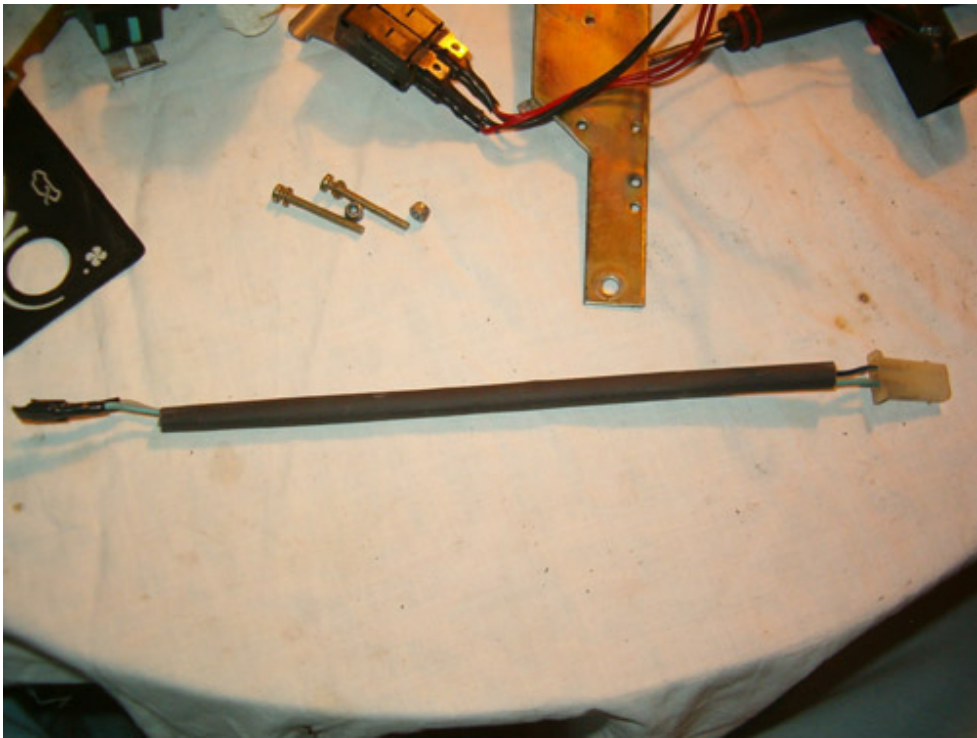
Micro switches demonstrated



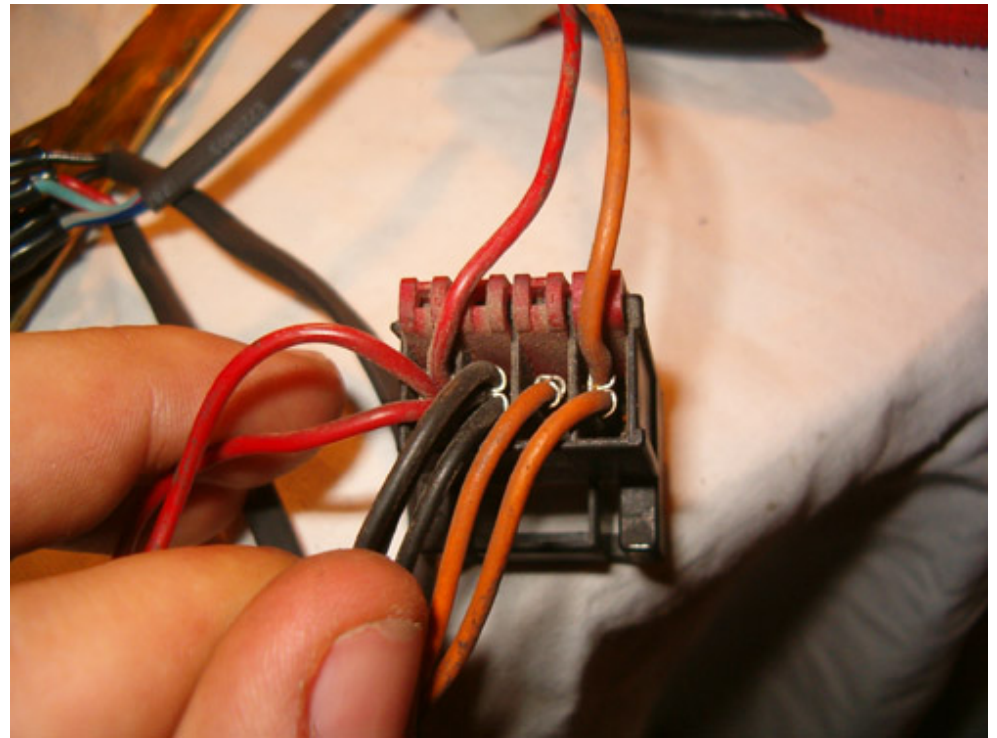
Close - ups of the micro switches



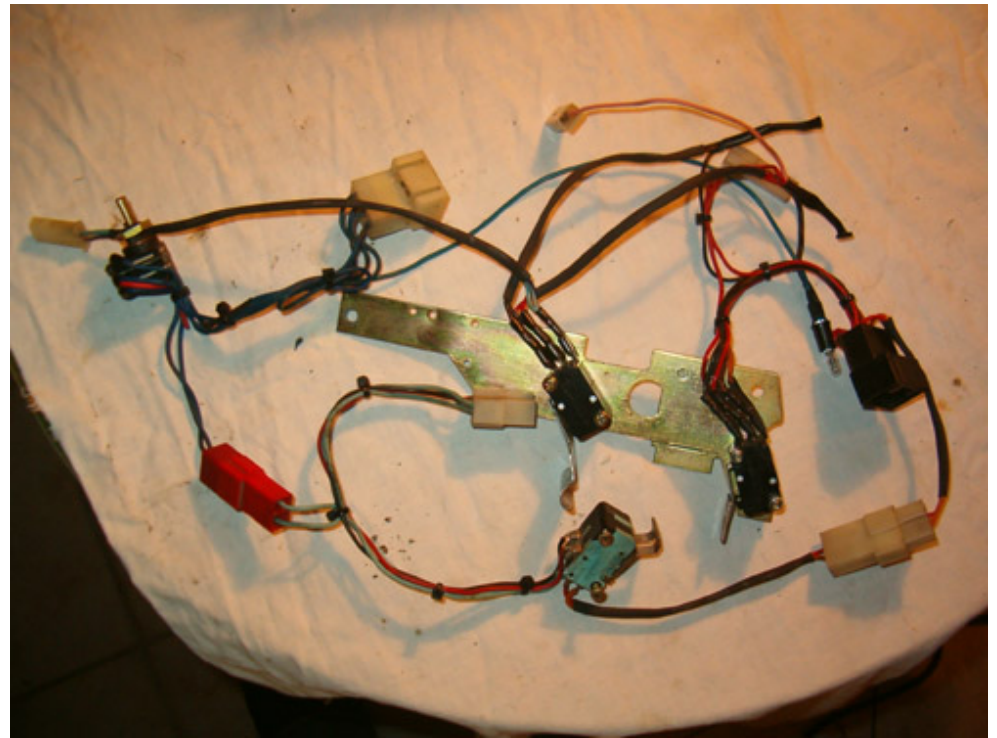
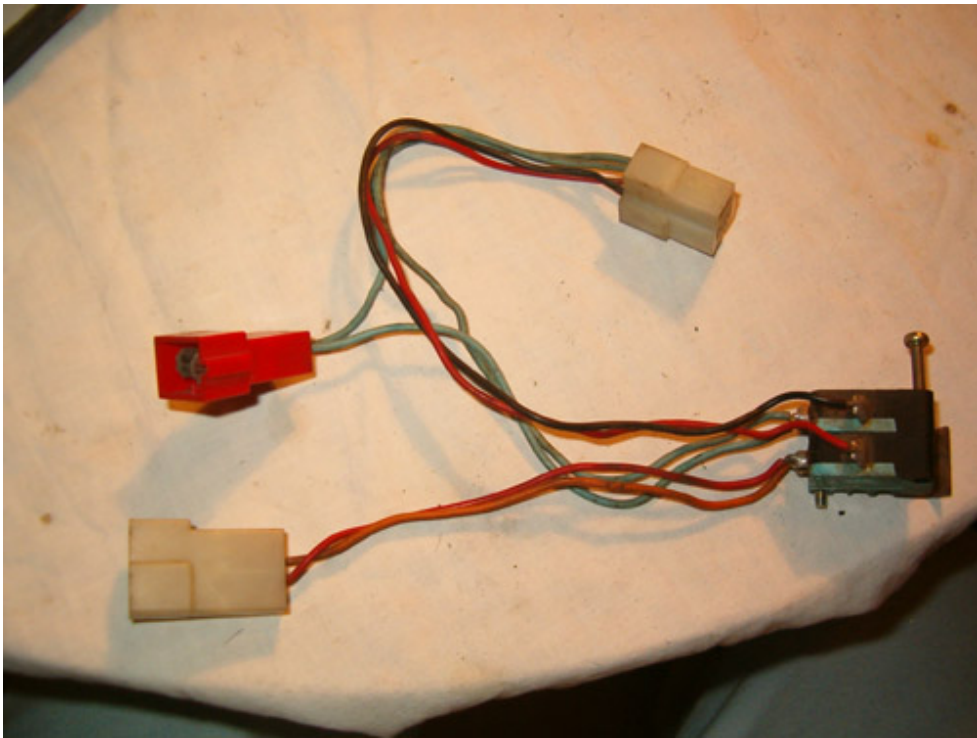
Close - up of the second interior exterior switch along with connector



Servo motor (hot / cold air selection) connection ...



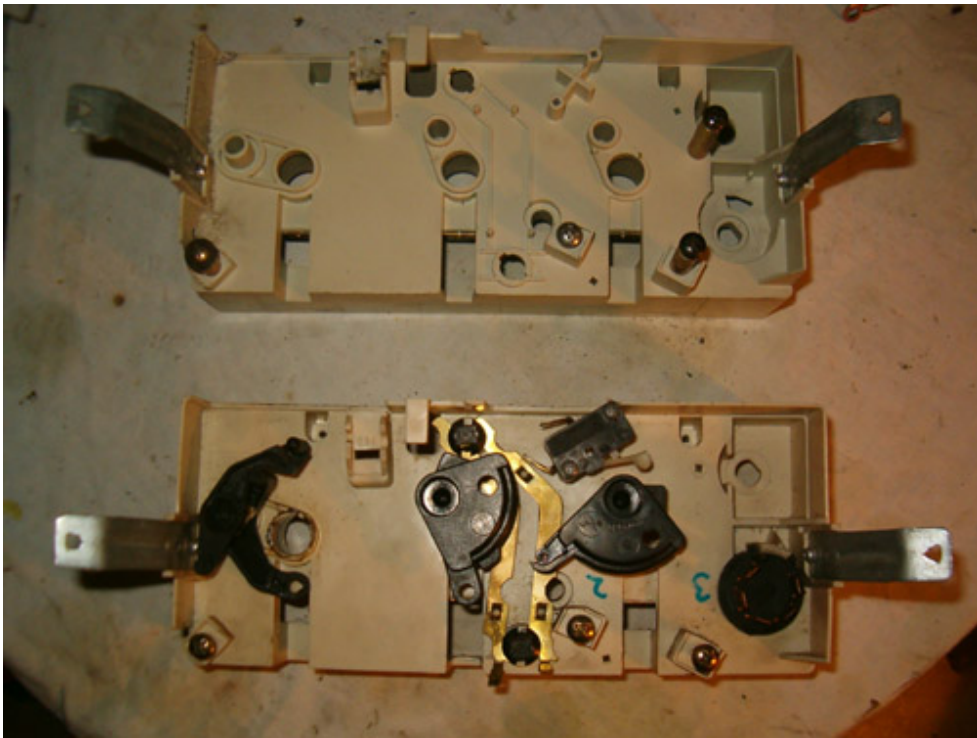
... control panel main power connector.



harness demonstrated featuring all connectors, micro switches etc.



I have made an attempt to repair the broken control panel and preserve it should any need to use it arise



The upper panel is the original out of the donor car and the lower one coming out of my car. I will use the one from my car and fit all the items required for the A/C setup.

Once the evaporator is installed on the vehicle I will hook up the control panel. Let's now deal with the evaporator rebuilt.