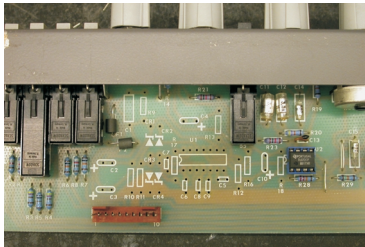


# Scorpion Mic Input Modification

## Fitting Instructions - Issue 1.0



Carefully remove U1 (SSM2015) from its socket - Note that it is a static sensitive device and should be handled and stored appropriately.



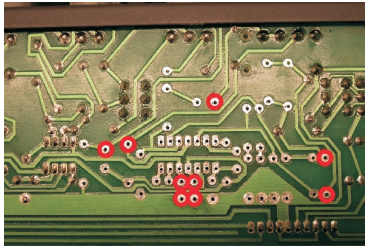
Carefully remove the following components

Resistors; R9, R10, R11, R12, R13, R14, R16, R17, R18

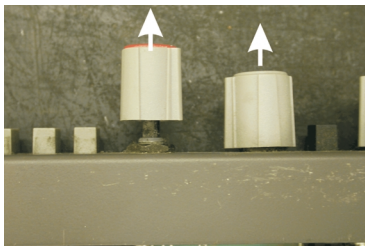
Capacitors; C1, C2, C3, C4, C5, C6, C7, C8, C9, C10

Diodes; CR1, CR2, CR3, CR4

Socket: U1

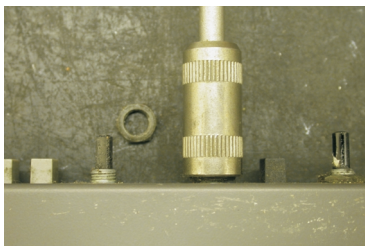


Ensure that the holes highlighted are free from solder

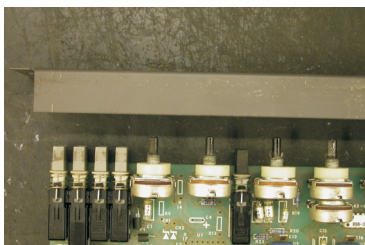


Carefully remove the knobs by pulling them off

*{They should come off quite easily - If they do not pull off easily then remove the coloured knob cap and check to see if they are "collet" knobs with a nut inside the knob}*

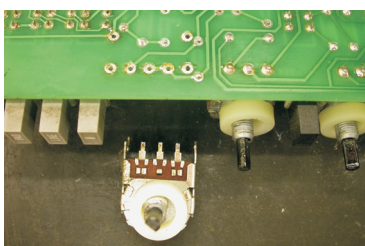


Remove the pot nuts with a 10mm nut runner



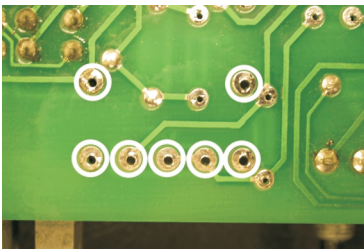
You should now be able to pull off the faceplate

*{Be careful not to lose the white plastic washers on the pots.... Some of them may be stuck to the back of the faceplate}*



Remove the mic gain pot and desolder the holes.

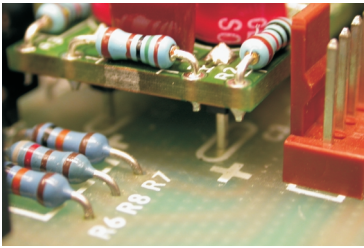
*{Be careful not to damage the circuit board..... If necessary destroy the pot as they only cost a few pence.... The circuit board is irreplaceable...}*



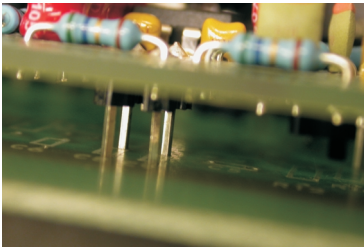
Ensure that the holes highlighted are free from solder

Fit the new replacement pot.

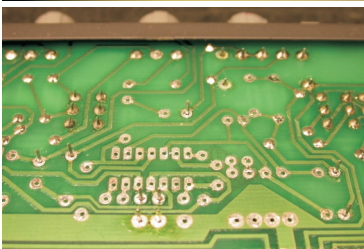
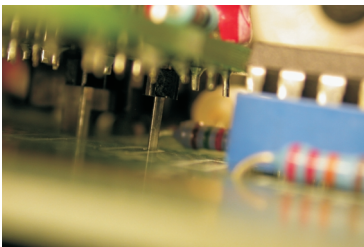
Re-fit the faceplate and knobs



Fit the mic input module into the PCB- the pins should line up with the positions indicated - press all the way down onto main PCB



Solder the module in place and cut off the excess pins



It should look like this.....

## **Replacement of Electrolytic Capacitors**

Carefully remove the following components;

Capacitors; C22, C24, C25, C26, C27, C29, C30, C31 & C32

Replace C22, C24, C25, C26, C27 & C29 with the 100uF / 25v capacitors provided

Replace C30 with the 2u2F / 63v capacitor provided

Replace C31 & C32 with the 220uF / 25v axial capacitors provided