

**Avolites Ltd.**  
**Engineering Change Notice**

<b>Title</b>	Mobile Fader noise and ref Voltage change
<b>ECN Number</b>	ECN-0189 &190
<b>Equipment</b>	Titan Mobile
<b>Author</b>	Adam Proffitt / JBToby
<b>Drawing Number</b>	
<b>Date</b>	06/05/11

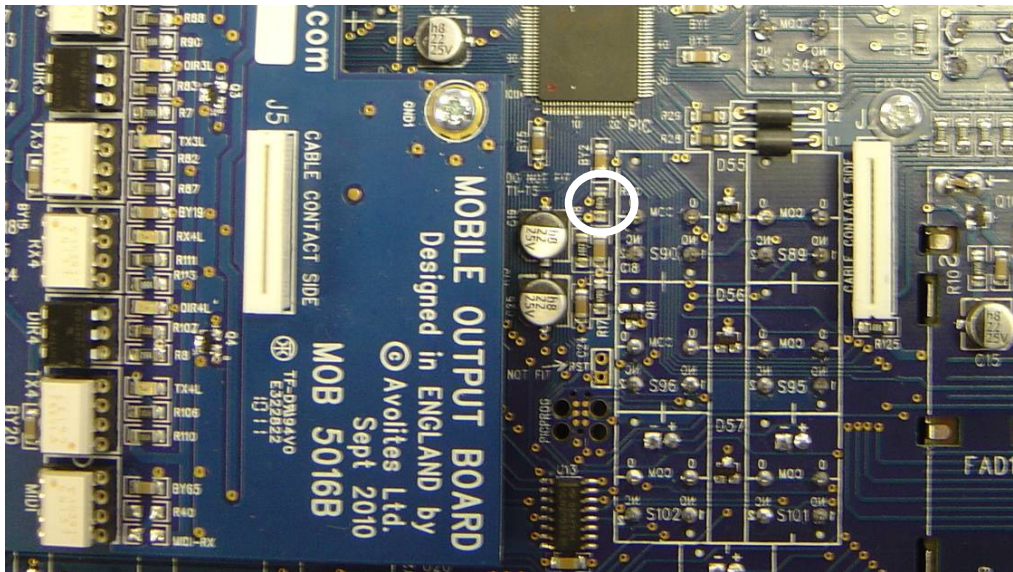
<b>Reason for ECN</b>	Occasional fader noise
<b>Special Parts required</b>	Kit 8002-9187 consisting off 10 off 100nF capacitors Avo part# 06-03-0141 1 off 75R SMD resistor Avo part# 06-01-1375
<b>Special Tools required</b>	T40 torx screw driver, small tip soldering iron (suitable for SMD) Track cutting device

**Work Required**

1. Disconnect the Titan mobile from the PC (2x USB) and any other connections (DMX and or MIDI).
2. Fit the travel cover and Place the Mobile upside down on a soft surface.
3. Remove the 6 Torx screws (circled below), and remove the cover, (The leg does not have to be removed)

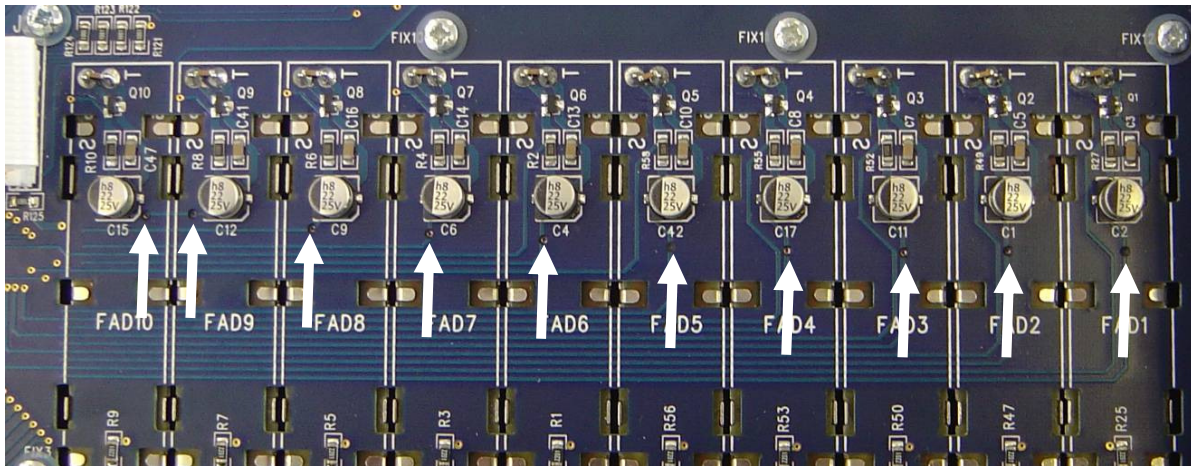


4. Locate and remove R30 (47R) and fit a 75R..(Circled below)

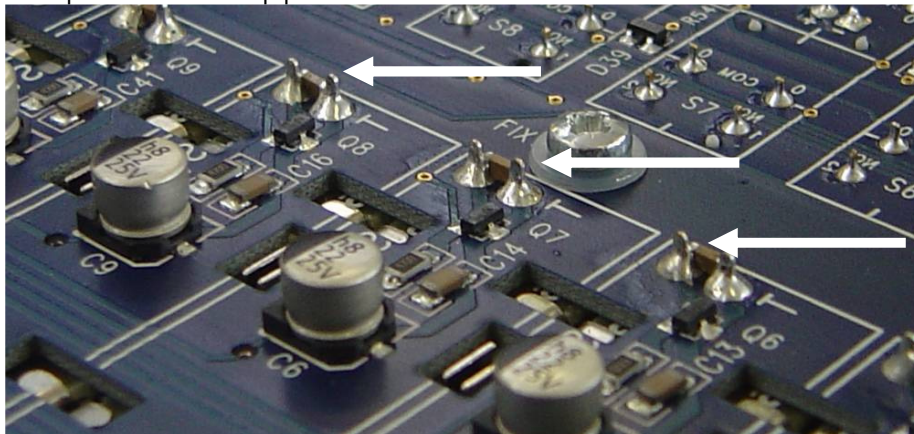


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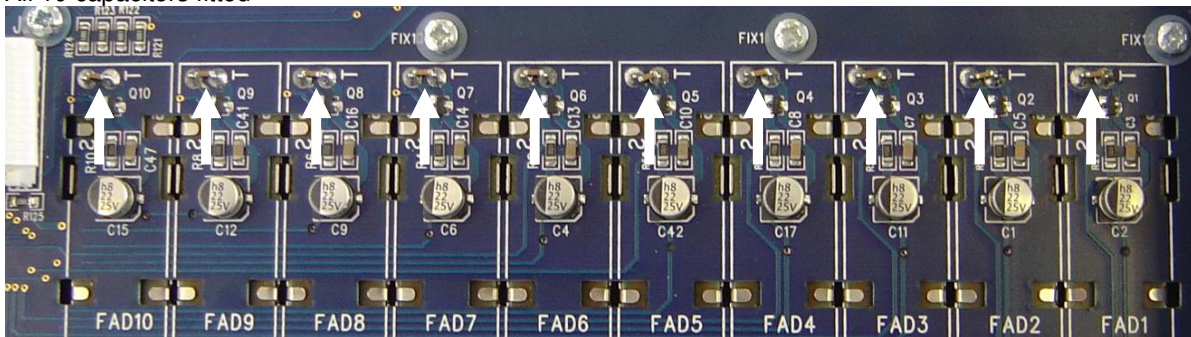
Cut tracks at the 10 points shown in the photograph (Cut at tip of the arrows shown below).



Fit capacitors across top pins of the of each fader



All 10 capacitors fitted



Test that each fader works properly by using USB expert and observing that the Faders levels change as the fader is moved and are stable when the fader is not being moved

5. Refit the cover and refit the 6 screws( see first picture)
6. Test unit with USB expert, pay particular notice that the faders are at 0 when pulled down.

**This concludes the ECN**