Title: Mobile Fader noise and ref Voltage change
ECN Number: ECN-0189 & 190
Equipment: Titan Mobile
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Drawing Number: 
Date: 06/05/11

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

Special Tools required: 

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)

Continued....
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 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