



PWM NOISE IMPROVEMENT FOR RFX-8140

Improving PWM Noise which occurs when the illumination wire is connected to +12V requires adding two jumper wires on ground traces or ground plane. Both jumpers will be connecting grounds together, so verify that all points on the circuit board that are going to be soldered are shorted to the chassis of the radio by measuring the resistance from that point to the chassis. This will verify that you have chosen the correct locations.

1. Remove the bottom cover of the source unit and using the above photo locate the two Vias labeled "A" (these two vias are near the RCA connector). Verify that these two vias are both connected to ground with an Ohm meter.
2. Connect a jumper wire (18 gauge minimum) between these two vias.
3. Locate the Via and trace labeled "B". Verify these are ground, then connect a jumper wire between these two vias.
4. Replace the cover securely and have a cold one.