



ACE PRO 810 / RCD PLATINUM RECEIVER PROBLEM

The photo above illustrates the problematic capacitor location in the subject receivers. The white pointer identifies a (replaced) 0.1 uf tantalum capacitor that was previously installed backward (reversed polarity) in my three Pro 810 receivers and my one RCD Platinum receiver. I do not know if every receiver out there has this same problem. This capacitor is part of the circuit frame detect timing operation and is shown here correctly installed.

The original “misinstallation” eventually (long time) apparently caused this capacitor to fail in an intermittent fashion and this in turn lead to intermittent malfunction of the receiver decoder. I was actually able to view the flawed circuit timing operation with a ‘scope on two of my receivers and found the capacitor to be improperly installed on all four even though two were still working OK.

The capacitor is nested very tightly and must be carefully unsoldered (solder wick recommended) and removed. DO NOT reuse the same capacitor but instead replace it with a new part. Install the replacement capacitor with the positive (+) lead dressed to the right as seen in this picture. I used Digi-Key (800 344 4539) catalog number P2053-ND. The somewhat larger Mouser (800 346 6873) catalog number 80-T350A104K035AS will also work electrically but is a tighter fit. The latter will be a lower cost purchase. DO NOT substitute a different value part, and do not undertake this if you don’t have the proper soldering skills and tools.