

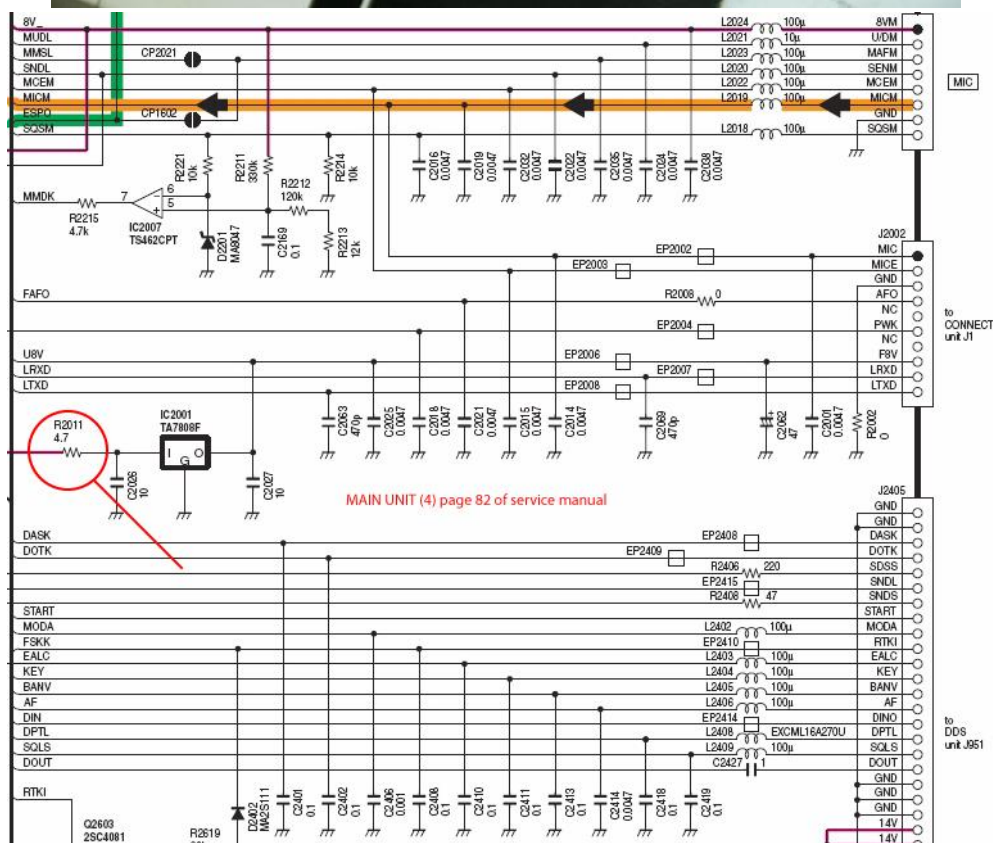
Dead ICOM IC7000 radio, Click Click from the relay.
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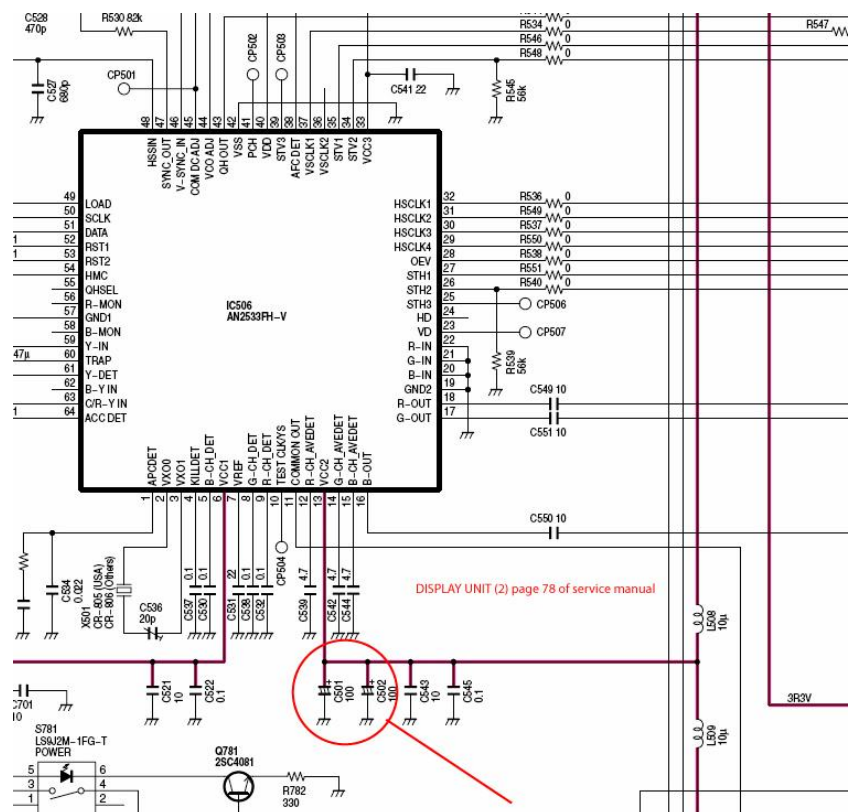
One lovely sunny weekends morning I found my 6 months old ICOM IC-7000 is not turning on. Something is wrong, when I press the power button, there were only a relay clicks followed by another clicks seems the relay disengaged it self. There was no display or sound. First thing I check are the two external fuses and one internal (behind the control head) fuse and seems all are fine. I checked my combine P/S & battery voltage level, nice 13.8V. Next thing I did is remove all cables from the radio and left it untouched overnight, next day connected the radio, but again no luck.

I shoot a mail to the IC7000 yahoo group asking for help, as per many suggestions I then cleaned the contacts of the remote head, power connectors and all exposed connections with contact cleaner. Still there was no luck. Ok, time to take a decision, whether I will open the radio or ask ICOM about the warranty? I contacted ICOM America, they told me to contact ICOM dealer in Italy as I have bought the radio from Rome. Previously I thought I could claim warranty from my nearest ICOM dealer (As like the CODAN and MOTOROLA we use in workplace), but I learnt it the hardway with the IC7000. After contacting the ICOM dealer in Italy they suggested me to send it to the shop where I purchased it from.



For me it was almost impossible to post it to Rome due to local regulations about import/export especially if the item is radio coms equipment. I was looking for friends who might go to Rome in near future and willing to take the radio with him. After waiting another 5 months I decided to open the circuits and try to fix it. As the warranty period was almost at an end I had nothing to lose but try.







Tips: The click click problem can be caused by many other reasons but mainly if the contacts between radio and control head is loose, or there is a lack of power in any 5V or 8V line. For my case it was a burnt resistor caused by a short capacitor. Please check the followings in your radio:

- Check the 7805, 7808 and 3.3V regulators.
- Check the 000 ohm resistors in various power lines for an open circuit.
- Check the capacitors which are filtering the powers for any short circuit.

Tips: If you have this Click Click problem DO NOT try to cross check it with your friends radio, there is a possibility you will kill his radio as well (if the display unit is short like my one)

Thanks to Scott Malcolm (<http://www.angelfire.com/biz2/mts/>) for the guidance. If I had the options for sending all my other old dead radios to him I would do so happily.