



Contact author:
Don Taylor

Print

Kenw

Main Menu

My account

Modification

Homebrew

Forum

Manuals

Pictures

Modification
database:

Adi

Alinco

AOR

Bosch

Drake

Heathkit

Icom

Kantronics

Kenwood

MFJ

Midland/Alan

Motorola

Radio Shack

Ramsey

Regency

Standard

Storno

Uniden

Yaesu

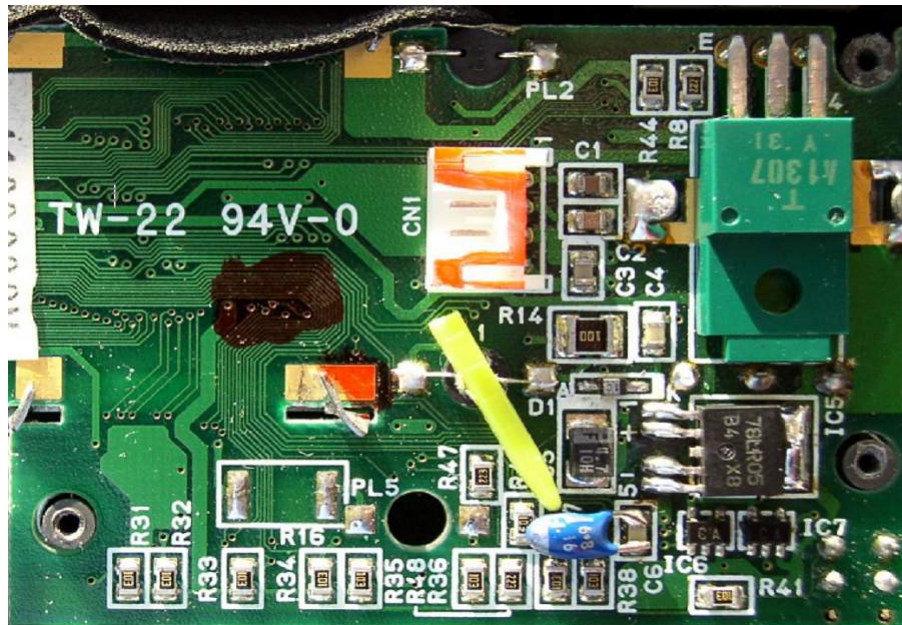
TNC

[F++r eine deutsche +??bersetzung klicken Sie hier.](#)

A number of KENWOOD Amateur and Commercial Radios use the SANYO L78LR05B-FA chip which is a 5 volt regulator and RESET Pulse Generator. On the TM-255 and 455 the chip is located on the front panel control unit.

If the radio will not turn ON or will turn ON only when cold the problem is probably a type of self oscillation internal to the chip. An oscilloscope check of the RESET Pulse Pin number 4 will usually show a large number of reset pulses in a keyed format. Any number of pulses more then one is incorrect.

If this is the case adding a bypass capacitor from pin 5 the 5 Volt output to ground has always solved the problem in our service shop. There is a large value bypass cap. on the 5 Volt Bus but it is halfway to the other end of the PCB which means a lot "L" between pin 5 and the cap. Because of the limited space we have found that a wire lead 5 to 15 ?fd Tantal with 10 or more volts (wvdc) fits very easily when installed parallel to C6 as shown in the picture. Please observe polarity, the plus side is toward the chip and minus toward the PCB edge. A better solution would of course be a "Chip" Cap but we haven't been able to find one that fits.



55 es 73
DL2KCE

