KENWOOD

SB-930

SERVICE BULLETIN AMATEUR RADIO

SUBJECT	DATE
TM-721A MICROCOMPUTOR LOCK-UP	4/11/88

Some early model TM-721A transceivers may malfunction when nearby transmissions (such as operating a handheld too close to the unit) enter the microprocessor reset circuit. As the RF energy enters the circuit, the microprocessor ceases to function which results in shutting off the sub-display, receiver, and transmitter. Adding a capacitor to the base of the reset switching transistor on the control unit will correct this condition. The following procedure will detail how to access the transistor.

REQUIRED PARTS:

C124	1000pF 50V CHIP CAPACITOR	CK73FB1H102K

1. Disconnect the power supply and antenna from the transceiver.
2. Pull the Volume, Main squelch, and Main tuning knobs from the front panel.
3. Remove the top and bottom covers (12 screws). Do not damage the speaker wires when removing the top cover.
4. Remove the silver colored screws from the front panel chassis (2 on each side, 1 on top, and 1 on the bottom).
5. Carefully pull the front panel assembly out from the body of the transceiver (do not disconnect any cables).
6. Remove the 2 brass colored screws from the top of the of the plastic front panel.
7. Lift the 2 tabs on the bottom of the front panel and pull the panel off the assembly. Do not loose the black shades positioned over the Balance and Sub-squelch switches. Keep the switch assembly intact as much as possible.

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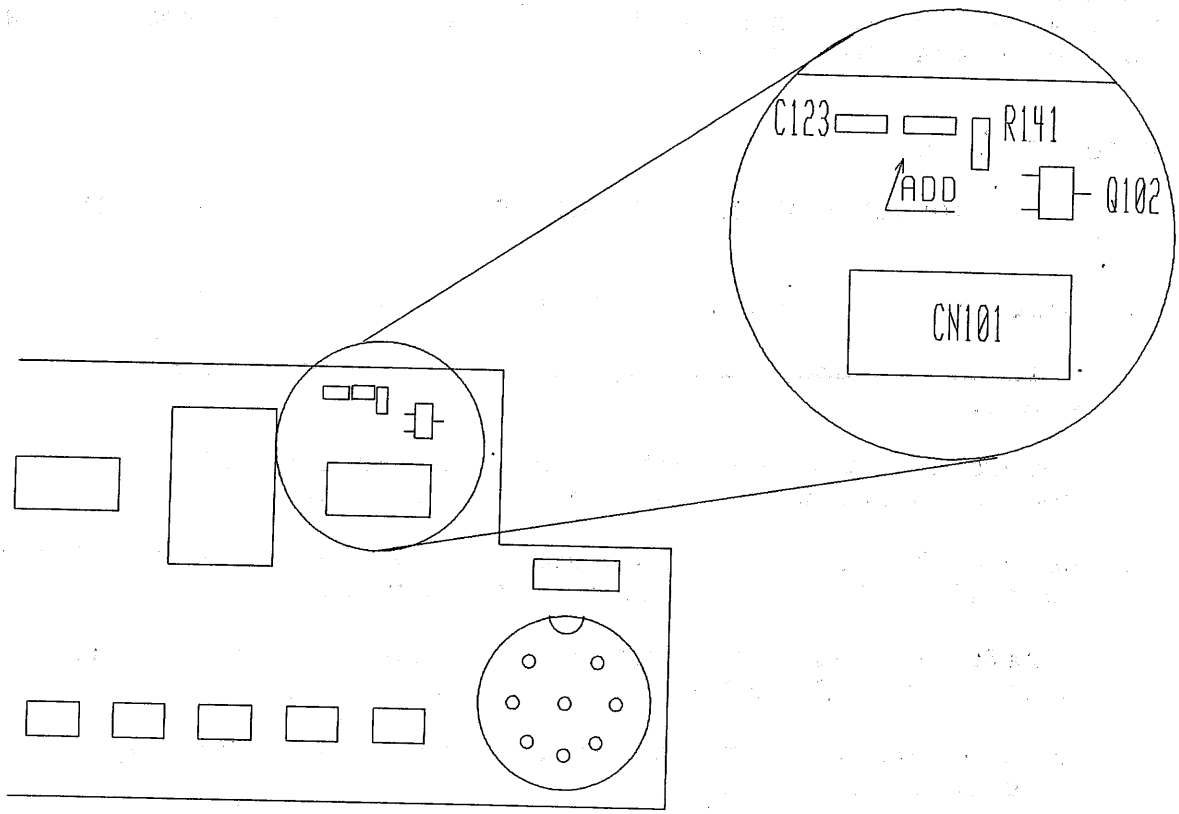
8. Straighten the display unit mounting clips and pull the display unit from the control board (do not disconnect the cable).

9. Locate Q102 on the top right hand side of the control board (next to the volume control).

10. Add a 1000pF chip capacitor between the base of Q102 and ground (the capacitor will physically be mounted between C123 and R141).

11. Assemble the transceiver by reversing the steps above.



This modification may be covered under warranty.
Time required for this modification is 1.5 hrs or less. (C) 42488TKC