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9103 Automatic Antenna Tuner - Serial Nos A1312 - A1342

Symptom

The 9103 tuner has recently incorporated a revised Printed Circuit Board (PCB) Artwork to include components necessary for scanning when used with Coda 85... series transceivers.

An error has been discovered on the PCB silkscreen whereby Capacitor C88 (2.2 μ F) may have been inserted incorrectly. The silkscreen identifies the +ve terminal of C88 closest to capacitor C87 and is incorrect. The +ve terminal should be located closest to Resistor R64.

On units with Serial Nos greater than A1342 the error has been rectified and the incorrect identifier on the PCB removed however, the possibility exists for some units in the Serial No. range A1312 - A1342 to have had the capacitor wrongly inserted. Whilst this may not be apparent from tuner operation, the capacitor may break down over a long period of time resulting in poor scan operation.

Remedy

Owners of Tuners with Serial Nos in the above range are advised to check the orientation of capacitor C88 and replace it where incorrect. This can be accomplished by the following:

- I. Remove 10 screws securing the Tuner lid
- II. Remove 4 screws securing the shielding plate
- III. Check the orientation of Capacitor C88 as per the attached Fig 1 and if incorrect -
 - (a) Remove 4 screws securing the PCB, desolder Capacitor C88 and replace it with one correctly oriented.
 - (b) Carefully scratch off the + sign on the PCB adjacent to C88 to avoid future confusion;
 - (c) Replace the PCB
- IV. Re-assemble the Tuner

The Tuner should then be checked for correct operation.

Replacement capacitors can be made available from Codan's Service Department.

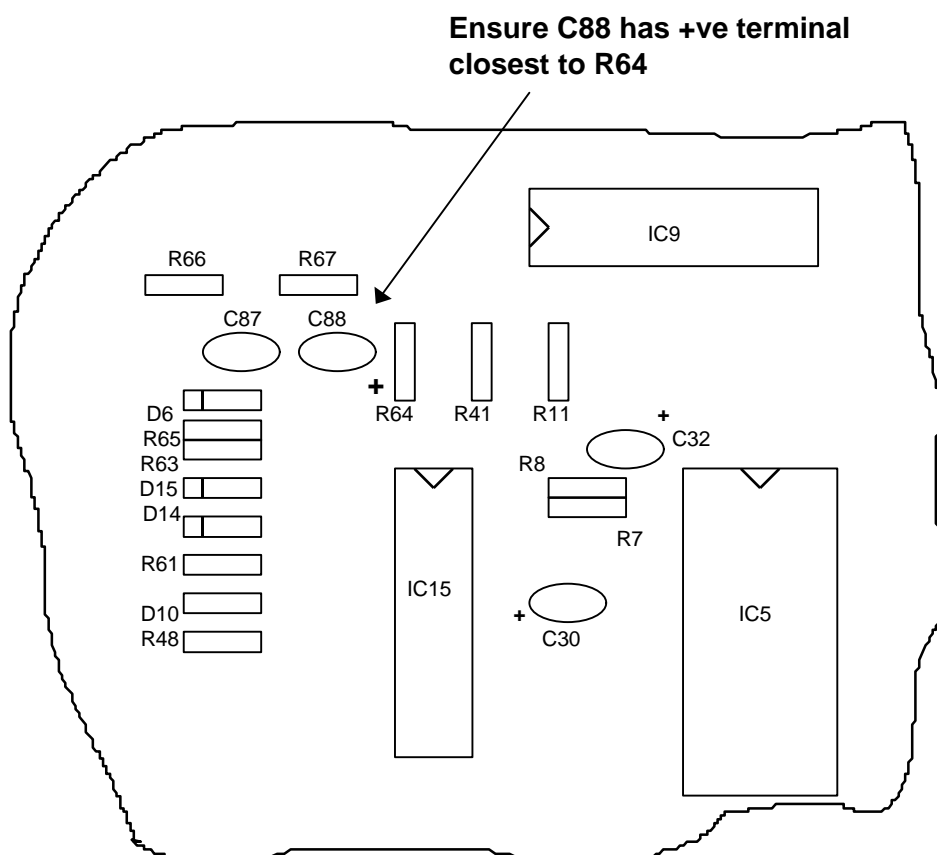


Figure 1. Part of 9103 Tuner Assembly