

# KENWOOD

ASB-1026

## Service Bulletin

Amateur Radio Division

**Subject:** TS-950SDX "Click Noise" with NOTCH ON

**Date:** June 7, 1993

### Symptom:

A click noise might be generated when receiving a strong signal (S-9 or above) when the NOTCH is ON and the Notch Control is turned away from the notch point.

### Corrective Action:

Lengthening the AGC release time of the IF Amp just before the NOTCH circuit will correct this symptom. The enclosed modification has been designed to change the time constant only when the NOTCH circuit is activated. Do not install this modification on sets that do not exhibit this symptom as the AGC FAST time constant is affected by this change.

1. Cut the printed circuit foil pattern between the test point (TP) and gate 2 of Q2 as shown.
2. Install the 47 K ohm chip resistor from TP to gate 2 of Q2.
3. Add a 0.047 uF ceramic capacitor as shown in the accompanying illustration.
4. Add the DTC124ES transistor as shown.

*Note: The .047 uF capacitor and the digital transistor must be connected together as shown and installed so that they do not touch the surrounding circuit board patterns.*

5. Install a jumper wire from the base of the digital transistor to pin number 6 of CN14.

### Parts Required:

Qty	Description	Kenwood Part No.	Circuit Description
1	0.047 uF capacitor	CK45B1H473Z	NA
1	Digital Transistor	DTC124ES	NA
1	47K Chip resistor	RK73FB2A473J	NA

**Caution:** *This modification requires soldering equipment rated for CMOS type circuits. It also requires familiarity with surface mount soldering techniques. If you do not have the proper equipment or knowledge do not attempt this modification yourself. Seek qualified assistance.*

Time required for this modification is 1 hour or less.

Service code A:09 B:X57-4130-00 C:ADDTR D:91

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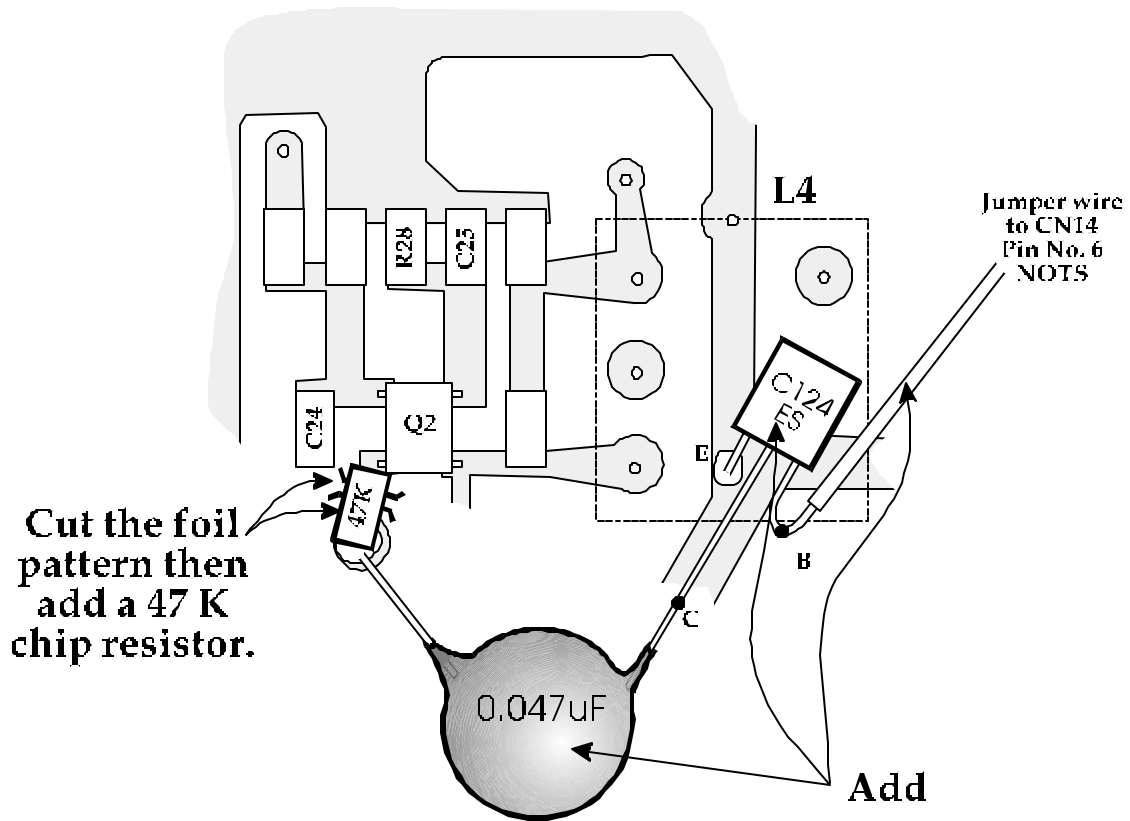
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### Signal Unit (X57-4130-00) Foil Side View

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