

SERVICE BULLETIN AMATEUR RADIO

SUBJECT	DATE
TH-25/45 W/TSU-6 TONE ALERT IMPROVEMENTS	4/11/88

When using the TH-25/45 in combination with the TSU-6 you may experience erratic operation of the tone alert function. This may be due to an incoming signal that is over-modulated, distorted, or noisy. The following modification will correct this tendency.

REQUIRED PARTS:

22 μ F, 6.3V ELECTROLYTIC CAPACITOR	PART # CE04CW0J220J
56K OHM, 1/8W CARBON RESISTOR	PART # RD14BB2B563J
DIODE	PART # 1SS133

1. Remove the TSU-6 from the TH-25/45 (refer to the TH-25/45 instruction manual for details).
2. Cut the blue wire (pin # 4) approximately 5mm from the the connector for the TSU-6.
3. Solder the components to the blue wire and ground as shown in figure 1. Note that the cathode side of the diode goes towards the TSU-6 connector. Use the leg of the VCO shield to ground the negative side of the capacitor.
4. Insulate the components with electrical tape to prevent shorting.
5. Install the TSU-6 in the TH-25/45. Route the components so that the battery terminal plate does not bow when installed.

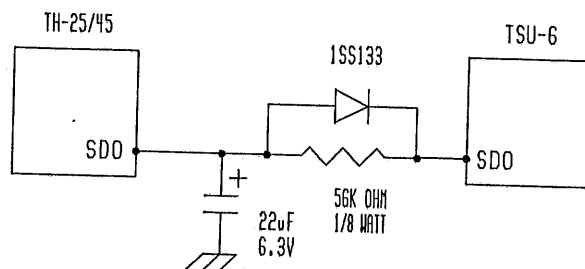


FIGURE 1

This modification may be covered under warranty.
Time required for this modification is 0.5 hrs or less. (C) 42688TKC