

SERVICE BULLETIN AMATEUR RADIO

SUBJECT	DATE
TW-4100A REPEATER STOP SCAN ON THE UHF BAND	12-17-87

During repeater cross band operation, the TW-4100A may not detect a UHF signal while it is alternating between the two bands. This is due to the electric field generated by the strong UHF receiving signal causing the busy circuit to malfunction. The following modification will allow detection of the UHF signal.

REQUIRED PARTS:

(1) RESISTOR 4.7K OHM, 1/8th WATT	PART # RD14BB2B472J
(1) CAPACITOR, ELECTROLYTIC 4.7uF, 16V	PART # CE04CW1C4R7M
(1) DIODE 1S1555	PART # V11-0076-05

1. Remove the 4 screws securing the top cover.
2. Remove the 10 screws securing the bottom cover.
3. Carefully remove the top and bottom covers. Do not damage the speaker cable attached to the bottom cover.

Refer to FIGURE 1 for the next 3 steps.

4. Locate connector number 12 on the Composite unit (RX-TX) on the bottom of the transceiver.
5. Carefully strip 1/8 inch of insulation from the wire attached to pin 2 connector 12 approximately 1/4 inch from the connector (do not break the wire).
6. Solder the 3 components (listed above) between the wire and ground. A good ground location is the can around TC2 and L8.
7. Assemble the transceiver by reversing steps 1 - 4.

This modification may be covered under warranty.

Time required for this modification is 0.5 hrs or less. (C) 072287TKC

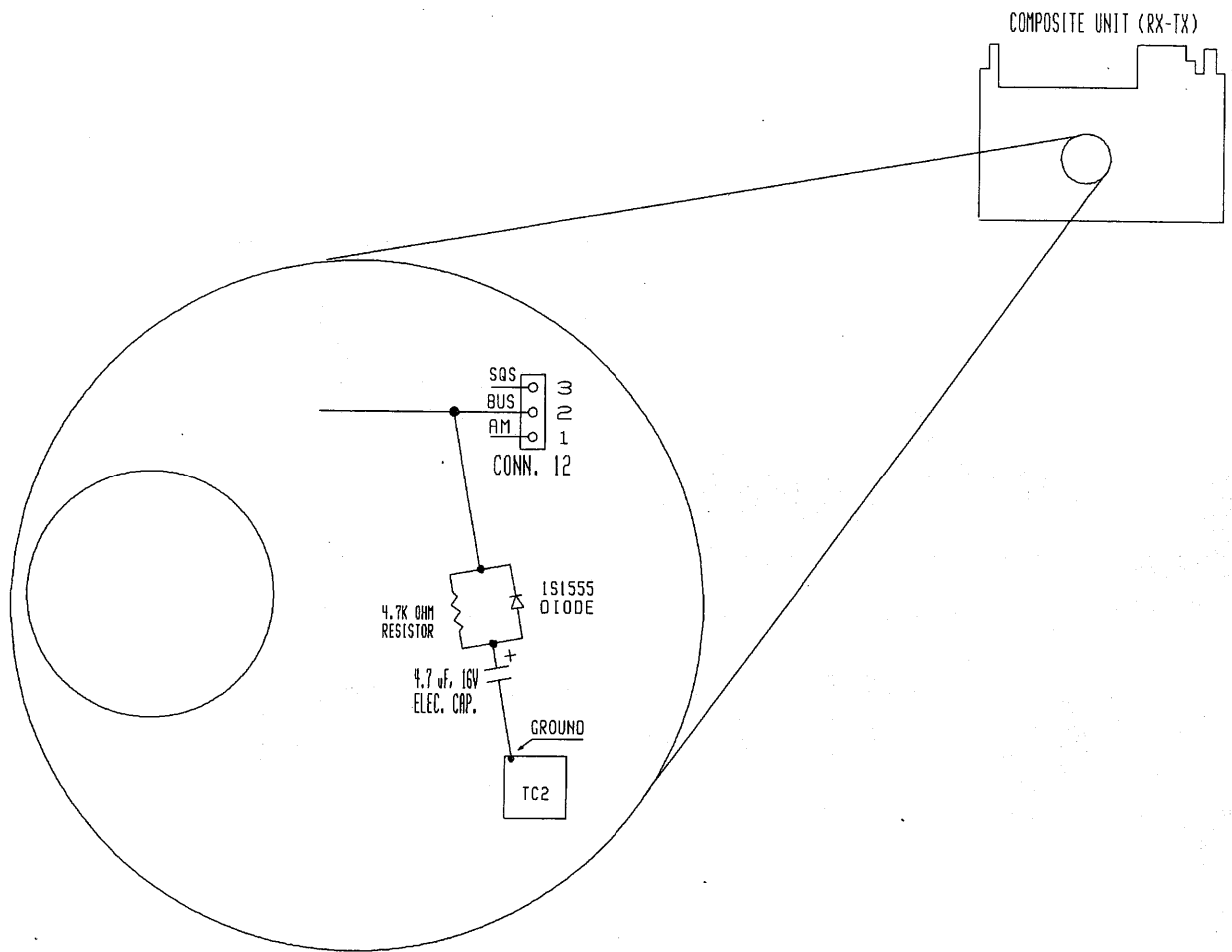


FIGURE 1