

## Troubleshooting Chart

The following chart lists conditions and possible causes of several specific malfunctions. If a particular part is mentioned (Q7 for example) as a possible cause, check that part to see that it is installed and/or wired correctly. It is also possible, on rare occasions, for a part to be faulty and require replacement.

CONDITION	POSSIBLE CAUSE
No signals can be received on any band. However, headphone noise is heard when the AF Gain control is advanced.	1. Transistor Q1 or IC1 is incorrectly installed or shorted.
No signals are received on the 3.5 MHz band.	1. Diode D1 or D5 incorrectly installed or shorted.
No signals are received on the 7.0 MHz band.	1. Diode D2 or D6 incorrectly installed or shorted.
No signals are received on the 14.0 MHz band.	1. Diode D3 or D7 incorrectly installed or shorted.
No signals are received on the 21.0 MHz band.	1. Diode D4 or D8 incorrectly installed or shorted.
No sound of any kind from the headphones.	1. Transistor Q201 or IC2 incorrectly installed or shorted. 2. Phone jack J301 incorrectly wired.
Heterodyne frequency oscillator does not operate on any band.	1. Transistor Q6 incorrectly installed or shorted.
Heterodyne frequency oscillator does not operate on one band. (Other bands are OK.)	1. The associated diodes for the inoperative band (D22 thru D29) may be incorrectly installed or shorted. 2. The crystal for the inoperative band may be faulty.