

Troubleshooting Chart

TRANSMITTER DIFFICULTIES	POSSIBLE CAUSE
CARRIER NULL control changes carrier level, but not to a low enough level.	<ol style="list-style-type: none"> 1. FUNCTION switch in TUNE position, inserting carrier. 2. Crystal diodes CR1 through CR4 installed backwards or are faulty. 3. Transformer T1 incorrectly aligned. 4. Microphone picking up noise.
No relative power indication.	<ol style="list-style-type: none"> 1. Resistor R61 burned out, due to transmitting without antenna. 2. Antenna shorted. 3. TUNE LEVEL set too low. 4. Faulty diode CR60.
Chopped or broken modulation, especially on peaks.	<ol style="list-style-type: none"> 1. MIC GAIN control set too high. 2. Faulty microphone cable or connections. 3. Receiver cutoff bias line partially shorted. Check voltages and resistances.
Radical change in BIAS SET reading.	<ol style="list-style-type: none"> 1. Function switch in TUNE position. 2. Changed power supplies without rechecking transmitter adjustment. 3. Faulty BIAS ADJ control.
Transceiver locked in transmit mode.	<ol style="list-style-type: none"> 1. VOX-DELAY control set too high. 2. Push-to-talk button stuck in depressed position. 3. Tube V10 faulty.
Plates of RF final amplifier tubes get red hot.	<ol style="list-style-type: none"> 1. No bias on tubes. Check voltage and resistances. 2. No antenna, antenna open or shorted. 3. Antenna plugged into wrong socket. 4. Power supply voltage too high.
Very low input to grids of RF final amplifier tubes from driver V5.	<ol style="list-style-type: none"> 1. Coils L2 and L3 improperly installed. Check color dot markings. 2. T2 not aligned properly.
Very low output, receiver works ok.	<ol style="list-style-type: none"> 1. Antenna plugged into RCVR socket instead of ANT socket.