

Table 6. R*I*C*K "Transmitter" Radio Problems

Problem	Possible Cause
"Transmitter" radio not keying when a "properly" identified signal is presented to "receiver" radio.	<ol style="list-style-type: none"> 1. R*I*C*K not in Setup state. 2. R*I*C*K not enabled. 3. Loose or bad cable(s). 4. "Receiver" radio on wrong channel (mode). 5. No transmit frequency programmed into "transmitter" radio. 6. S2 of R*I*C*K not configured correctly. 7. Incorrect frequency and/or PL/DPL programmed into "receiver" radio. 8. Accessory connector of "receiver" radio not programmed correctly or not operating correctly.
"Transmitter" radio keying continuously or keying without a "properly" identified signal presented to "receiver" radio.	<ol style="list-style-type: none"> 1. "Receiver" radio on wrong channel (mode). 2. Wrong PL/DPL programmed into "receiver" radio. 3. Accessory connector of "receiver" radio not programmed correctly or not operating correctly. 4. S2 of R*I*C*K not configured correctly. 5. J4-3 of R*I*C*K pulled LOW by an accessory. 6. If using VOX, JU551 in "receiver" radio in "flat/unmuted" ("A") position. Move JU551 to "B" position.
Erratic output power level from "transmitter" radio.	<ol style="list-style-type: none"> 1. If using ignition sense, voltages at power connector and J3-10 of "transmitter" radio differ by more than 0.6Vdc. 2. Inadequate power supply current capability. 3. Loose antenna connector. 4. Faulty antenna or feedline.
"Transmitter" radio keys but no or low audio is transmitted.	<ol style="list-style-type: none"> 1. Loose or bad cable(s). 2. S2 of R*I*C*K not configured correctly. 3. JU551 missing on logic board of "receiver" radio. 4. R23 of R*I*C*K not adjusted correctly. 5. J4-5 or J4-2 shorted due to connections to "J4-ACC" of R*I*C*K. 6. Audio loaded by an accessory connected to "J4-ACC" of R*I*C*K. 7. Audio loaded by microphone plugged into "transmitter" radio (and/or "receiver" radio in bi-directional repeater). DTMF microphone may cause this problem.
No speaker audio heard from "transmitter" radio in bi- directional repeater configuration.	<ol style="list-style-type: none"> 1. J3-15 and J3-16 of "transmitter" radio not jumpered together. 2. Loose or bad cable from "transmitter" radio to R*I*C*K. 3. Volume control of "transmitter" radio turned down. 4. Speaker wires not connected between speaker and J10 on logic board of "transmitter" radio. 5. External speaker (if applicable) not connected between J3-1 and J3-16 of "transmitter" radio. 6. Defective speaker (internal or external, if applicable).
Long delay in audio from microphone plugged into "transmitter" radio.	<ol style="list-style-type: none"> 1. S2-5 and S2-6 simultaneously ON. Either S2-5 (flat audio) or S2-6 (EIA audio) should be ON and the other must be OFF.