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How to install the SX-175 PowerCabinet
on RCI manufactured radios
with EPT3600 series main circuit boards

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SX-175 installation procedure for RCI manufactured 10 meter amateur transceivers (RCI, Galaxy, Superstar, Connex, General, etc.) with the EPT3600 series main circuit board.

1. Verify the radio works properly and puts out a minimum of 35 watts PEP.
2. Disconnect radio from power, remove the top and bottom cover. Unplug the internal speaker.
3. Remove the rear DC power jack, keep all hardware.
4. Install the supplied replacement power cord pig tail assembly using the original hardware.
5. Solder the red and black wires from the power cord pig tail to the red and black wires on the radio.
6. Solder the Red and black 16 gauge wires from the SX-175 to junction made in step 5. Heat shrink all connections!
7. Remove the wire that connects the antenna connector to the main circuit board.
8. Solder the coax center conductor from the SX-175 assembly that is marked "ANT" to the center pin on the antenna connector. Solder the shield to chassis ground tab on the antenna connector.
9. Solder the center conductor of the remaining coax to the trace that used to connect to the wire that was hooked to the antenna connector from the main PCB. Solder the shield to chassis ground.
10. Delete the orange and yellow wire from the SX-175.
11. Solder the small red wire from the SX-175 to 8 volts transmit only (best location is the top of L38, located in the rear left corner of the radio).
12. After verifying all connections, connect the radio to your test bench, key the radio up and with the radio on AM, front panel power control to maximum, adjust VR13 to 40 watts carrier.
13. Reset ALC to proper levels on SSB models.

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