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How to install the Powerband RFX75
on Galaxy 939, 949, 959 radios and
Ranger 396, 696, 966 radios with MOSFET finals (rev 2)

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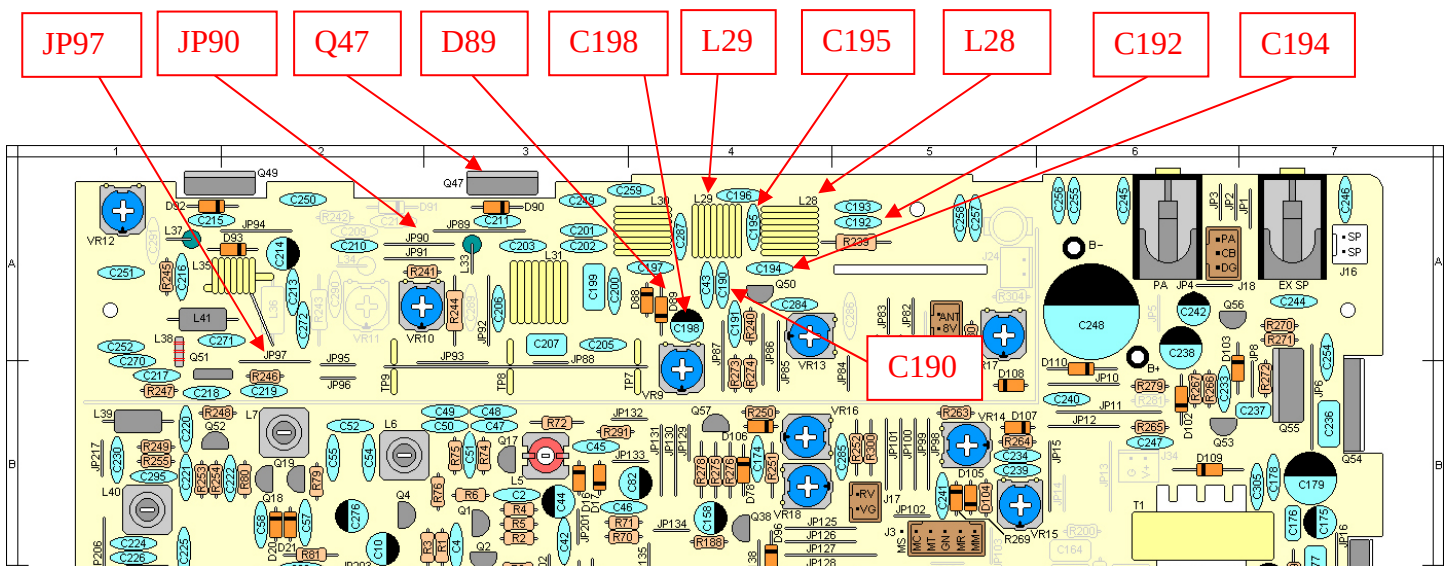
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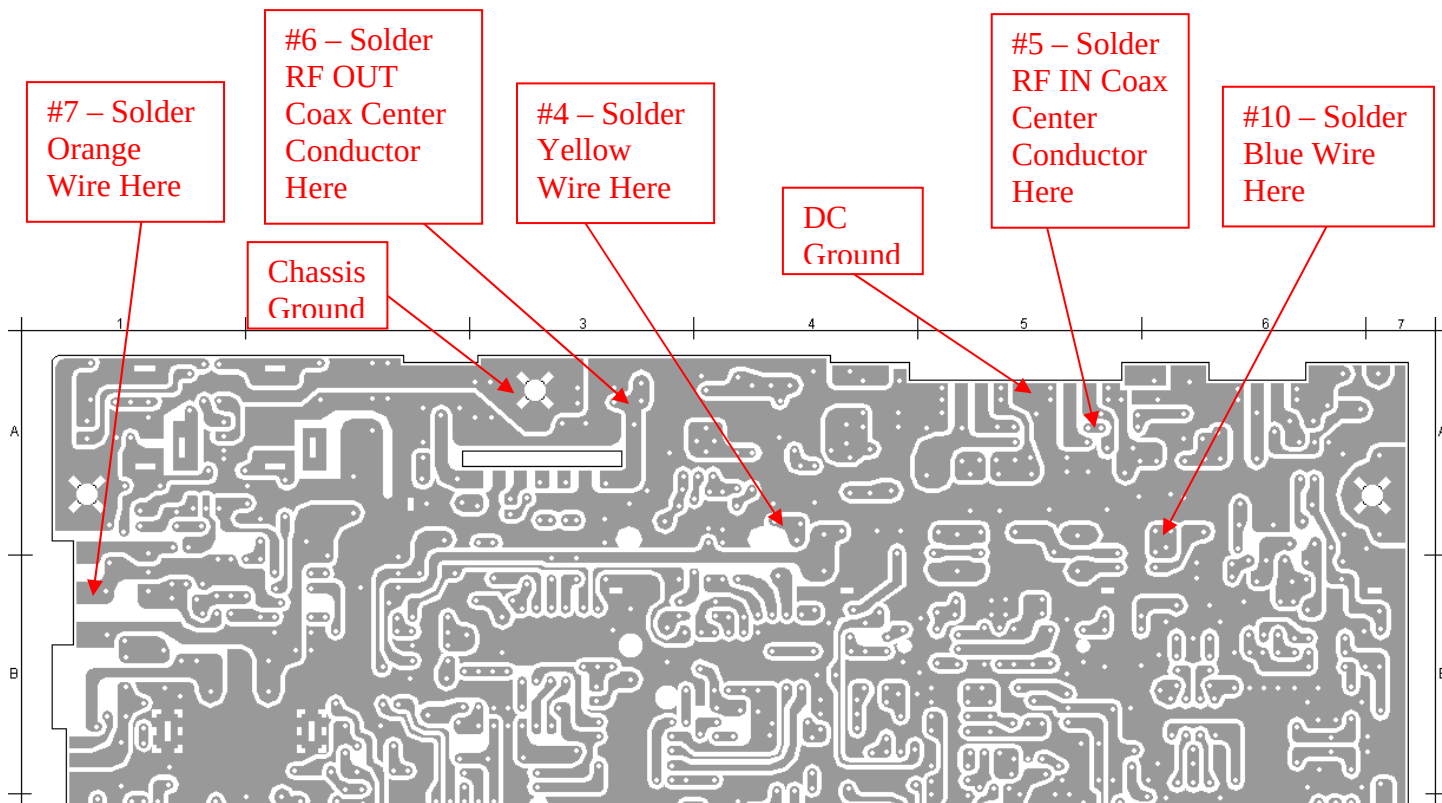
RFX75 Installation on the Galaxy 939, 949, 959 and Ranger 396, 696, 966 Radios with MOSFET Finals (rev2)

The Rev2 installation procedure improves the radio's RX sensitivity over the original installation instructions, and also keeps the SSB ALC circuit operational.

1. From the radio, remove JP90, D89, Q47, L28, L29, C192, C194, C195 and C198
2. Cut the RX OUT coax cable off the RFX75 board. Take care to cut it close enough to the PCB so that it does not short out on anything.
3. Drill hole for wires and mount the RFX75 per instructions.
4. Solder the Yellow wire to the positive side of C198.
5. Solder the RF IN coax center conductor to junction of C210 and JP91. Solder coax shield to DC ground.
6. Solder the RF OUT coax center conductor to junction of L28 and C192. Solder the coax shield to chassis ground.
7. Solder the Orange wire to the center leg of Q54.
8. Unsolder the lead of C190 that is closest to the rear panel of the radio, and solder a 3.3K ohm, 1/4 watt resistor in-series with this capacitor.
9. Install a jumper wire in the 2 holes where L28 was removed.
10. Solder the Blue wire to JP97 (8 volts in transmit mode only)
11. Retune TX and RX. Do not set carrier higher than 15 watts!



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