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How to install the Powerband RFX75
on a Texas Ranger 127FSC

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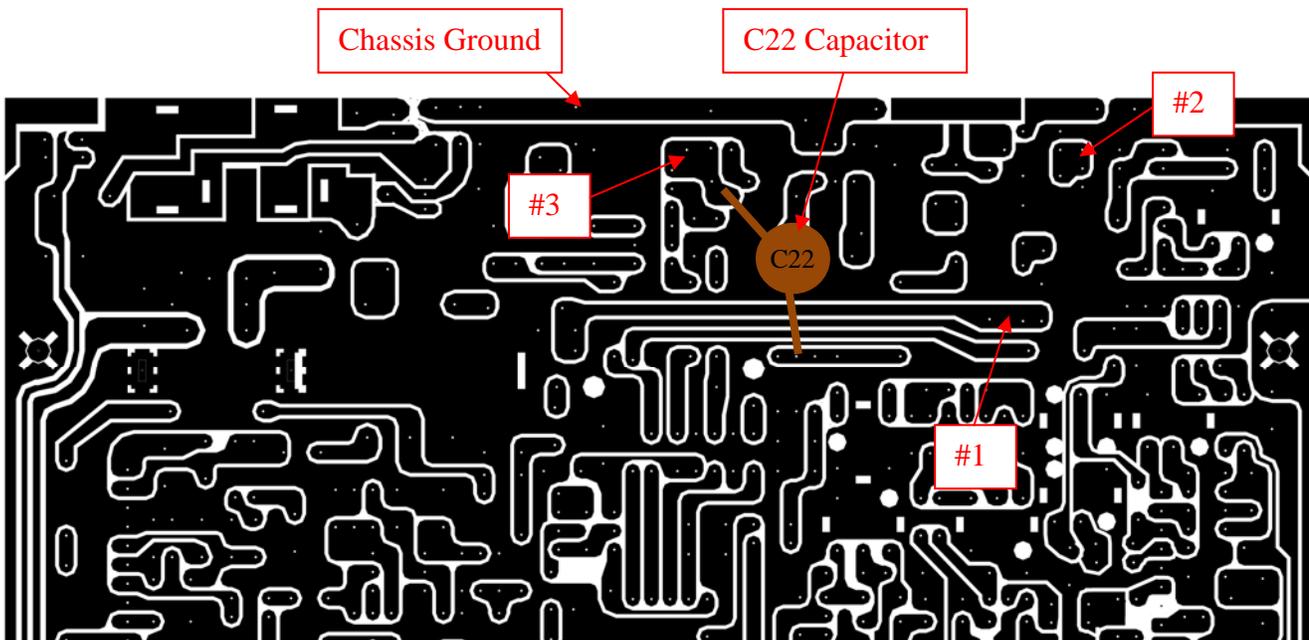
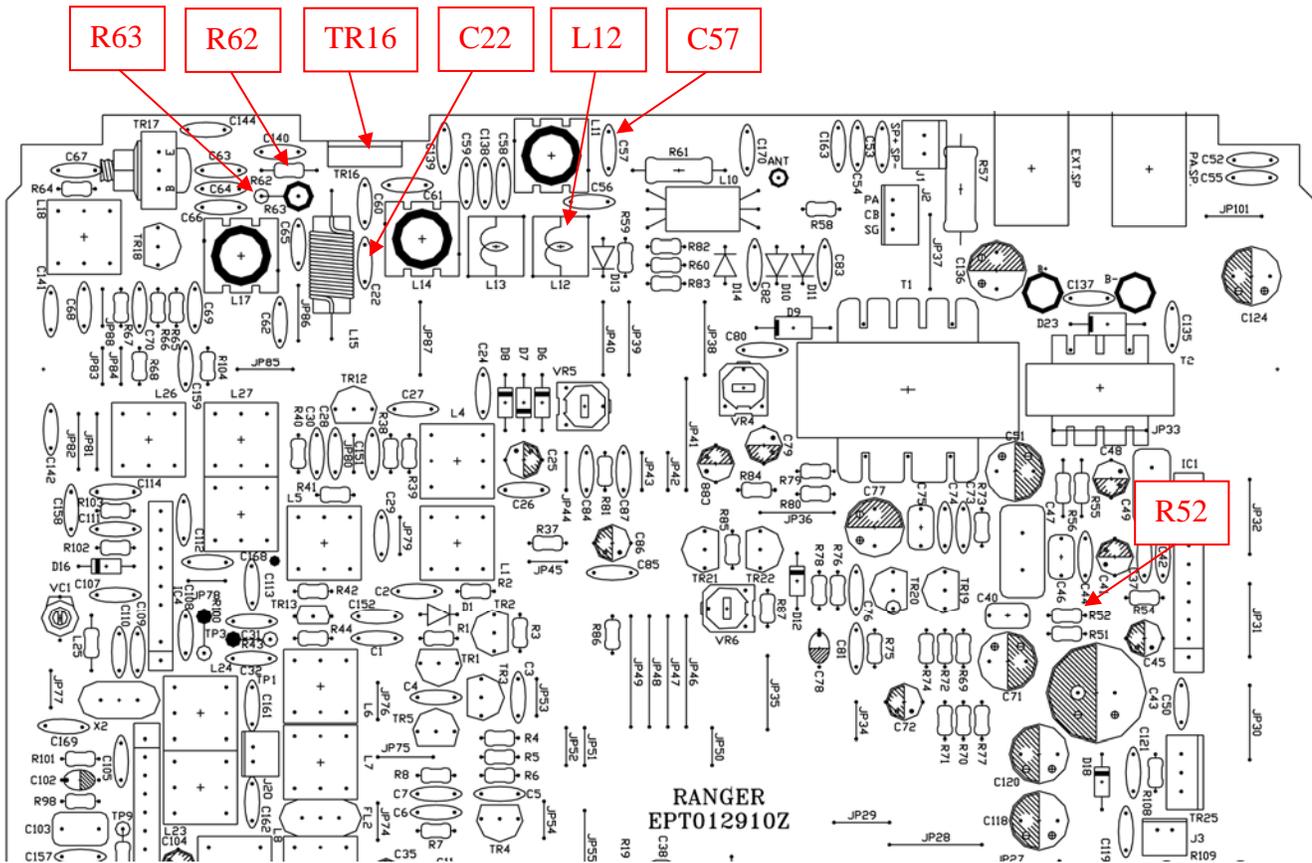
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RFX75 Installation on the Texas Ranger 127FSC (Free Spirit)

1. From the radio, remove L12, C22, C57, R62, R63, and TR16 the final transistor. Keep the capacitor removed from C22 for use in a later step.
2. On the radio, remove R52 and replace it with a 220K ohm, ¼ watt resistor.
3. Locate the capacitor at C10 on the RFX75 and carefully cut it off the board.
4. Cut the Yellow and Blue wires off the RFX75 board.
5. 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.
6. Drill and mount the RFX75 on the back of the radio using the supplied hardware.
7. Solder the Red and Black wires to the back of the DC power jack (observe polarity!).
8. Solder the Orange wire to the front side of L15 (see #1).
9. Solder the RF IN coax center conductor to the trace at the junction of R62 and R63 (see #2). Solder the coax shield to the DC ground.
10. Solder the RF OUT coax center conductor to the trace at the junction of C57 and L12 (see #3). Solder the coax shield to the chassis ground.
11. Using the capacitor from C22, solder one lead of the capacitor to the trace at the junction of L12 and C56. Solder the other lead of the capacitor to the trace at the junction of D7 and D8. You will need to length the lead of the capacitor and make sure to insulate the leads so that no shorting occurs. NOTE: This step reconnects the receive circuit.
12. Retune TX and RX. Do not set carrier higher than 15 watts!

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