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How to INCREASE the carrier level on a
Cobra 29 with a RFX75 already installed

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In some Cobra 29-RFX75 installations, the carrier level may be lower than desired. This information details how to INCREASE the carrier level.

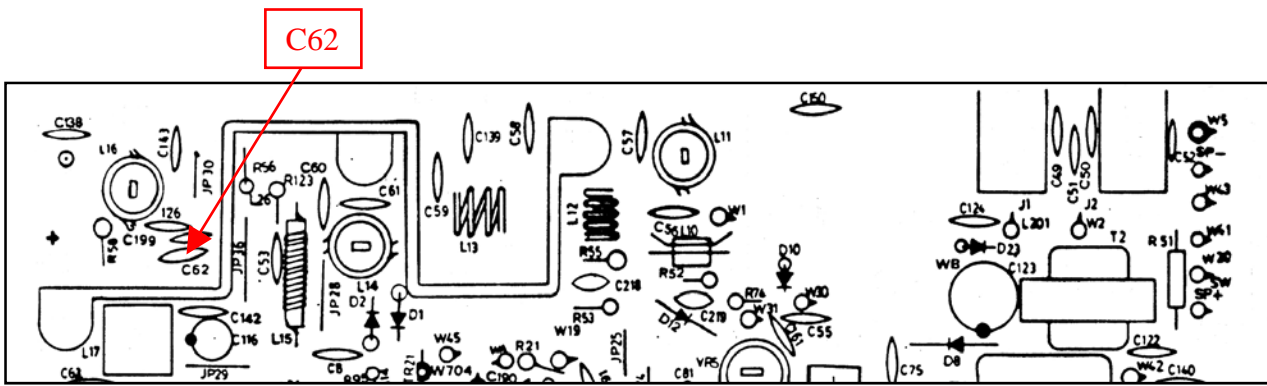
IMPORTANT: Do not increase carrier higher than 15 watts.

GENERAL INFORMATION

1. On the Cobra 29, the 220pF capacitor at C62 determines the carrier level of the stock radio and in turn will adjust the carrier level of the RFX75.
2. On some radios, on the solder side of the PCB there is a 33pF capacitor added, in parallel, to C62. This is done at the factory when a radio's carrier level is too low. The additional 33pF of capacitance increases the carrier to the desired level by the factory.
3. Adding additional capacitance at C62 will increase the carrier.

MODIFICATION

1. Add a 30pF to 68pF ceramic disc capacitor (rated at no less than 50V, 100V or greater part recommended) in parallel with C62 on the solder side of the PCB.
2. It is highly recommended to start with a value closer to 30pF. Even a small amount of additional capacitance makes a big difference in carrier levels.



30pF – 68pF capacitor in parallel with C62



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