

Audio Improvement in Kenwood Hybrids

The transmit audio quality of the TS 520, 820, 530, and 830 can be improved. This will make the audio less muffled, more open sounding. It will improve articulation and presence.

With the exception of the TS-520, these rigs have a .015 microfarad capacitor (sometimes labeled 153) from the collector of the mike pre amp transistor to ground. This can be changed to a .001 microfarad capacitor (102). Here is where it can be found.

TS-820

This capacitor is labeled C-100. It is located on the IF board on the lower right half between T-15 and Q-20. There is a picture of this in the photos section of this group under "service fotos."

TS-530

This capacitor is labeled C-53. It is located on the IF board. Near the center of this board there is a 7 pin connector labeled 12. Next to it is Q11, R66, C 53 and C 54. C-53, is next to the round capacitor C-54.

TS 830

This capacitor is labeled C-106. It is located on the IF board. On the IF board there is a connector labeled 7. It is along side of CF 3. In that area you will find Q 19. C-106 is between Q 19 and the connector.

TS 520

The TS 520 has instead a .01 microfarad capacitor (103). It is labeled C-16

It is between Q3 and Q6 on the Generator board.

This can be changed to a .001 microfarad capacitor (102).

Vy 73, Walt N9WB