

# USA version of KN-Q7A Kit

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**All kits ordered from QRVTronics.com will have holes pre-drilled for ease in kit building.**

Please note that the original screws used in the case ends will not be used for the case. Also, the case ends may be discarded since we include labeled end plates.

**NOTE: I am now including one 6-32 x ¼ screw to secure one foot on the front right instead of using the normal screws and nuts. This leaves ample room to remove the PC board without needing to unsolder the Voltage Regulator.**

**Remove the washer that is in one foot as shown:**



**Transmit adjust - Caution:** Be sure to adjust the ICC current on the 10K ohm “Set Bias” trimmer resistor fully counter clockwise. This is located in the transmit section before final tuning of the transmit amplifier. (See TX Alignment Section)

One of the final steps when aligning the transmit section, I have found that if you ground pin 2 of the NE602A which is near the MC1350, a single frequency (your carrier frequency) is displayed and an oscilloscope may be used to adjust the DIY7-7's which are near the C3357 transistor. Adjust both DIY7's for maximum

amplitude on the antenna pin when transmit button is pushed. Be sure that you have a dummy load attached so that you don't destroy the final amplifier.

All other statements in the assembly manual are excellent. Should you have any questions feel free to call 208-557-4500 during normal business hours or email me at [larry@qrvtronic.com](mailto:larry@qrvtronic.com). Please provide me with your contact information in case I am not available at the time you call.

We are now including 4 IC sockets to use with the Integrated Circuits. You do not have to use them, but should you damage an IC, it makes it easier to replace.

Larry – N7RGW (28 April 2017)