

# K1 KIT CHANGES AND MANUAL ERRATA

Rev. F-8, November 28, 2008

<p><b>READ THIS AND MAKE THE INDICATED CHANGES BEFORE YOU BEGIN ASSEMBLY OF YOUR K1</b></p>
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1. **Page 16, bottom of the page:** If you're building a 2-band Filter board that includes 80 meters, you'll have a 10- $\mu$ F electrolytic capacitor left over at this point. This will be installed on the RF board at C78 in a later step.
2. **Page 21, left column, after fifth step:** If you have purchased and are going to install our K1 LCD Backlight Kit into your *unbuilt* K1, you need to add the following text: "At this point, refer to the instruction set for adding the K1 LCD Backlight. Once installation is completed, continue with the first step on the next page ('Visual Inspection')." You should also cross off all the remaining steps on page 21.
3. **Page 30, right column, above the title "DC Voltage Checks":** write "Install RFC8 First—see page 31, right column, 7th assembly step." (A jumper is actually installed in place of RFC8, as explained in the assembly step. This jumper must be installed before the DC voltage checks on page 30 can be made.)
4. **Page 43, left column, note at the top of the page, last sentence:** Change "The 2SC2166 transistor, Q6 ("C2166")..." to read "The 2SC5739 transistor, Q6 ("C5739")..."
5. **Page 43, left column, next to last step:** Change "Verify the part number on Q6 (2SC2166 or C2166),..." to read "Verify the part number on Q6 (2SC5739 or C5739),..."
6. **Page 45, right column, Uninstalled Components:** C78, which is mentioned here, is supplied with the 80-meter band kit. If you build a 2-band Filter board that includes 80 meters, you should install C78 at this time (10  $\mu$ F electrolytic). C78 is on the bottom of the board, near the "PA" and "12V" labels. Bend the leads of the capacitor down at a 90-degree angle, with the (+) lead oriented as indicated by the component outline. Make sure C78 is folded flat against the board before soldering.
7. **Page 48, right column, second assembly step:** Your kit includes a 3 x 3 inch piece of speaker grille cloth. Trim the grille cloth so that it is the same size as the speaker frame. Then cut just enough material off each corner of the grille cloth so that it fits between the fiber washers mentioned in this step. Keep the grille cloth in place as you secure the speaker.
8. **Page 59, left column, third paragraph, beginning "Q21 defeats the RIT/XIT...":** Change "Q21" to "Q2".
9. **Appendix A, RF Board Parts List, Page 4, Q6 Description:** Change "2SC2166" to "2SC5739".
10. **Appendix A, RF Board Parts List, Page 6:** The filter and BFO crystals, X1-X6, are now matched at 4.9136 MHz, and are labeled "ECS V4.9136-S" (or similar).
11. **Appendix A, Per-Band Components for 2-Band Filter board:** The 80-meter band kit only (K1B80) includes a 10- $\mu$ F electrolytic capacitor for installation at C78 on the RF board.
12. **Appendix B, Sheet 1, Schematic Key:** Near top left, change "2SC2166" to "2SC5739".
13. **Resistor taping order:** The resistors in the K1 kit are supplied in assembly order, attached to strips of tape. However, due to recent changes in the kit, some of the resistors may be supplied loose rather than on tape. *Be sure to check the color codes of all resistors during assembly to make sure you're installing the right ones.*