

K2 MANUAL ERRATA

Rev. D-4, Dec. 2, 2002

THESE MANUAL CORRECTIONS MUST BE MADE BEFORE YOU BEGIN ASSEMBLY, OR YOUR K2 WILL NOT FUNCTION CORRECTLY

NOTE: The K2 has recently been upgraded, offering improved performance and easier assembly¹. When considering whether to make modifications, or when building option kits, follow instructions for K2 s/n 3000 and up.

1. **Resistor Substitution:** The 1/4-watt resistors in your kit are supplied on *tape* in assembly order. Due to an error by the resistor supplier, the three 4.7 k resistors on the tape are 1% types rather than 5%. They have a BLUE body, with color code YELLOW-VIOLET-BLACK-BROWN. You can use these 1% resistors (verify value with an ohmmeter).
2. **Page 15, left column, 3rd step:** Delete C44 from the capacitor list. **It will not be used.** (Also delete from parts list.)
3. **Page 17, right column, last line:** The color code for R11 should be "YEL-VIO-ORG."
4. **Page 27, resistance table:** J1 pin 3 should be "> 1 M". The signal name should be "AF gain 3," not "ground."
5. **Page 34, right column, 6th step:** C111's (+) lead goes to the *square* pad. ("+" symbol is missing from PCB.)
6. **Page 49, right column, last step:** Installation of RFC15 and C91 on the RF board is not covered in the manual because a design change was in progress at press time. The manual refers to this errata item instead. Use these steps:

Looking at the *bottom* of the RF board, locate U4 (MC145170, near capacitor C90). As shown by the "X" in the drawing below (left), the short trace from pin 16 of U4 to C89 (on the top side) has been cut at the factory.



- Solder C91 (.001 μ F, "102") to the pads shown in the drawing at right. Use the shortest possible leads.
- Locate the miniature 100 μ H RF choke for use at RFC15 (tan body, brown-black-brown; much smaller than the other 100- μ H RF chokes in the kit). Solder RFC15 to the indicated pads. Use the shortest possible leads.
- Examine C91 and RFC15 closely to make sure that their leads are not contacting adjacent pads or traces.
7. **Page 54, right column, first step:** The outline for C6 is obscured by its pads on the revision B RF board. Of the three pads provided for C6, use the outer two. The one in the center is for use with J15 (K60XV option).
8. **Page 54, right column, last step:** Change the value of R19 from 220 ohms to 2.7 k (RED-VIO-RED). Also make this change in the RF board parts list and on the schematic. The 2.7-k resistor should be loose in the RF bag. **The resistor supplied on the tape may be 220 ohms (RED-RED-BRN). Do not use this value.**
9. **Page 62, left column, second step:** C33 (in the list of capacitors) should be 2.2 pF, not 3.3 pF. Also correct the RF board parts list, which shows C33 as 2.7 pF. (The schematic correctly shows 2.2 pF.)
10. **Page 76, left column, first step:** Cut about 1/2" x 1/2" of the green masking material from around the two mounting holes at the corners of the rear panel portion of the top cover. (Note: masking material may appear gray rather than green, due to paint overspray.)
11. **Appendix A, Control board, page 1:** The correct quantity of .001 μ F capacitors (E530001) is 4, not 5.

¹ For a full list of changes, see www.elecraft.com/Apps/K2revBinfo.htm