

K2 OWNER'S MANUAL ERRATA

Rev. G-11, March 24, 2010

THESE MANUAL CORRECTIONS MUST BE MADE BEFORE YOU BEGIN ASSEMBLY

NOTE: You can cut out changes 2, 3 and 6 and paste them into the manual, but **FIRST**, be sure you make the changes listed on both sides of this page so they aren't lost when you cut the sheet!

1. **Page 18, left column, next to last step:** In the last sentence, change "P5" to "P4".
2. **Page 25, between 3rd and 4th steps:** Insert the following:



Double check to ensure you have soldered **ALL** the pins on the LED bargraph. Many builders miss pin 1.

3. **Page 27, right column:** Delete the two existing steps and figures and replace them with the following:

Position the backlight assembly between the mounting holes labeled D2 and D3 as shown in Figures 5-9 and 5-10 with two 3/4" (19 mm) long spacers under each end. *The diffuser must be parallel to and 1/8" (3 mm) above the PC board.* Use a rubber band to hold the backlight assembly and spacers in place

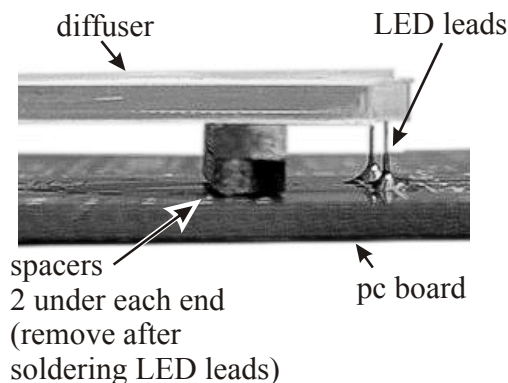


Figure 5-9

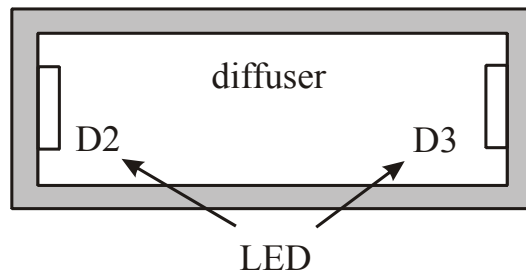


Figure 5-10

4. **Page 28, left column, first step:** Add the following sentence: "The leads *may* not extend through the solder pad holes."

5. **Page 28, left column, second step:** Add the following sentences: “If the leads do not reach through the holes, be sure the solder fills the gap between the lead and solder pad (See Figure 5-9). After soldering, remove the spacers at each end. The leads will hold the assembly securely in place.”
6. **Page 28, right column:** Replace Figure 5-11 with the following:

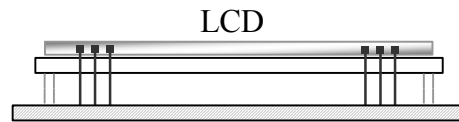


Figure 5-11

7. **Page 48, Setting the AGC Threshold, fifth step:** Add the following note to the step:

“If you cannot set the voltage to 3.80 volts, turn to the AGC Level application note included with your kit and follow those instructions to add the 15K resistor to the control board. An extra 15K resistor is included in your K2 kit for that purpose.”

8. **Page 53, left column, fifth step:** Add ahead of the step:

Note: There are five 100µH RF chokes in the kit. If one is slightly smaller than the others, set it aside to use at RFC15.

9. **Page 54, left column, first step:** End of first line of step, delete “tan body”. (The body color may vary.) Also delete “miniature” and “much smaller than the other 100-µH RF chokes in the kit”. This choke may be the same size, or nearly so, as the other chokes. When installing adjust the leads to reach the pads shown in Figure 6-14c.
10. **Page 59, right column, first step:** Add to the end of the step, “Use the outer of the three holes, not the two holes closest to the left edge of the pc board.”
11. **Page 61, right column, second step:** Change the first sentence to read: “Solder 1N4148 diodes D40 and D41...”
12. **Page 70, left column, Note at top:** Delete the last sentence and insert, “The remaining transistor, Q6, will be either a 2SC2166 (C2166) or a 2SC5739 (C5739). This transistor will be installed first.”
13. **Page 89, left column, ST L menu entry:** Add the following note to this entry,

When using firmware version 2.04R or later, there are no longer two possible sources (U6-25 and U8-4). When **[DISPLAY]** is tapped in the **STP** menu entry, U8-4 will always be displayed.”
14. **Appendix A, Parts List, Control, Page 2, R18, R19 Description:** Insert, “Use short wire jumpers on back (see text)”
15. **Appendix A, Parts List, RF, Page 1:** Second row (Part number E530009,) add the following to the Reference Designator column: C52, C53, C54, C55, C58.
16. **Appendix A, Parts List, K2 Front Panel Board Parts List, Page 2:** Add at the bottom of the page:

“Note: An extra 15K, 1/4 watt resistor is included in case it is needed to set the AGC Level correctly. (See Page 48).”
17. **Appendix A, Parts List, RF, Page 1:** Top row for “Monolithic Cap 102” add the following reference designators: C1, C2, C9, C17, C26, C27
18. **Appendix A Parts List, RF, Page 1:** Second row for “Monolithic Cap 103” add the following reference designators: C61, C181, C183, C184, C186

- 19. Appendix A, Parts List, RF, Page 6:** Last line, Q6, change the value to read “2SC5739 or 2SC2166”.
- 20. Appendix A, Parts List, RF, Page 5:** Delete the body color (green or tan) for the following components: L5, RFC6, RFC1, RFC2, RFC12, RFC13, RFC4, RFC5, RFC8, RFC9, RFC15, RFC7 and RFC10. (The body color is unimportant. Be sure the color bands match the instructions when installing them!) Delete “miniature” from the description for RFC15. This choke may be the same size as RFC1, 2, 12 and 13.
- 21. Appendix A, Parts List, RF, Page 7, R116 Description:** Insert: “5%, 1/8W (grn-brn-grn); for L33--see text”
- 22. Appendix A, Parts List, RF, Page 9, U5 Part Number:** Change “E600016” to “E600030”.
- 23. Appendix B, Schematic, Page 1:** On right side under “Transistors” change “2SC2166” to “2SC2166 or 2SC5739”.
- 24. Appendix B, Schematic, Page 4:** Near center of diagram, at Q6 change “2SC2166” to “2SC2166 or 2SC5739”.
- 25. Appendix E, Troubleshooting, Page 14:** Right column item 2 at top of column, change “2SC2166” to “2SC2166 or 2SC5739”.