K2/100 MANUAL (Appendix G) ERRATA

Rev. C-5, July 20, 2005

PLEASE READ BEFORE YOU BEGIN ASSEMBLY

Important Notice

Your KPA100 kit includes recent circuit changes that allow the K2/100 to handle higher mismatch conditions, allowing power reduction to start at an SWR of 2:1 rather than 1.5:1.

Since your kit is one of the first shipped with these enhancements, it may include an unused toroid core, a few extra resistors, and an extra capacitor (the previous component values).

Errata Items

1. **Page 7, parts list:** Change R4 from 100 k to 39 k and change the part number from E500006 to E500042. (Your kit may include an unneeded 100 k resistor.) Add resistor R33 to the parts list (1 k, 5%, 1/4 W, BRN-BLK-RED, part # E500013). Finally, change the part number for R19, R20 from E500130 to E500177.

2. **Page 13, left column, 2nd assembly step:** Change R4 from 100 k to 39 k.

3. **Page 13:** Cut out and tape this assembly step at the bottom of the right column:

   __ Locate a 1 k, 1/4-watt resistor (R33). Trim R33's leads to approx. 1/4" (6 mm) long. Place the resistor across the leads of RFC3 (RFC3 is near the fan and the large black RF choked marked "101"). Solder the resistor to RFC3's leads.

4. **Page 24, left column, first paragraph:** The second sentence in this paragraph should be replaced with: "Each toroid is wound on a specific type of core. One example is type T44-2."

5. **Page 24, right column, first assembly step:** The reference to a T50-2 core in this paragraph should be changed to T50-10.

6. **Page 47:** Cut out and tape this test step at the bottom of the left column:

   __ Set your DMM for 200 or 300 VDC full-scale. Connect the (-) lead of the DMM to ground (one of the KPA100 standoffs). Be ready to touch the (+) lead to the left side of 180-k resistor R12 (the lead closest to RFC5). Turn on the K2 and select CW mode. Set the power knob above 11 W. Hold the MODE button down 1-2 seconds to enter CW TEST mode. Press the TUNE button and verify that the DC voltage at the left side of R12 is 100-110 VDC or more. Exit TUNE by tapping any button. Exit CW TEST mode by holding down the MODE button.

7. **Schematic:** On page 64, add R33 (1 k) across RFC3, in the T-R switch. On page 65, change R4 from 100 k to 39 k in the High Voltage Bias Supply.