

Errata for MMR-40 3-13-07

1. If counting turns on L1, the PTO coil, there should be 39 not 29.
2. Values shown for R29 and R33 on layout diagram are reversed. R29 should be 10 ohms, not 470 and R33 should be 470 ohms, not 10. Values listed correctly in parts placement chart.
3. 5 p caps were supplied with the kit instead of 4.7 p
4. D4 is called out as a 1N5232B zener. A different type is supplied with the kit and is marked 231B.
5. Components used in the diode RF voltage detector are not shown on schematic. They are listed in the parts placement chart.
6. On the schematic, R43 should be labeled R42. Value of R36 and R38 should be 10 K not 22 K.
7. If L2 is installed incorrectly, the PTO frequency will be about 500 kHz higher than it should be. To help keep track of which leads are the main winding and which are the feedback turns, make one set of leads longer than the other. (and remember which ones are which).
8. When measuring the drive voltage at the gate of Q10, if the voltage does not go to zero when V4 is turned full counter clockwise, the BFO trimmer is not yet set correctly and carrier is leaking through the crystal filter. Tweak the BFO trimmer slightly until the voltage at the gate goes to or near zero by turning it towards min capacitance. There is something of a compromise here, in order to keep the amount of carrier transmitted to a minimum and retaining low frequency response of the received and transmitted audio.