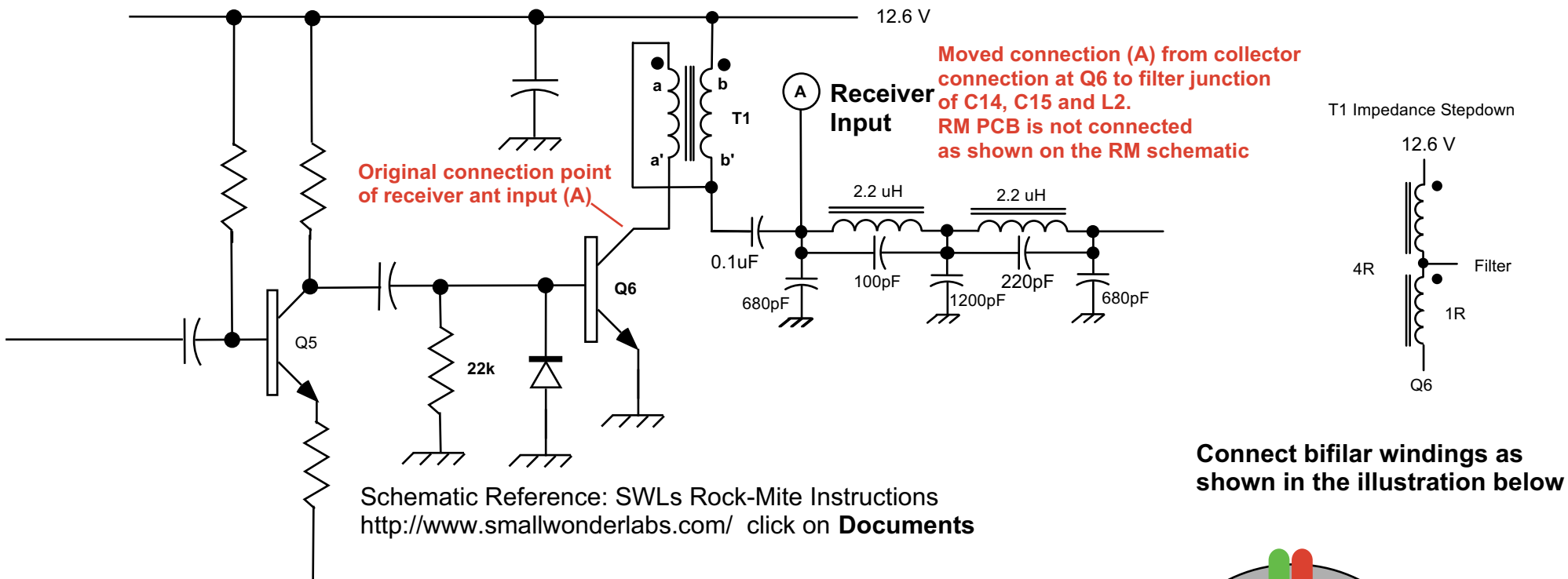


T1 = 7 Bifilar Turns FT37-43



This bifilar transformer mod provides a better match to Q6 and the input of the filter. The results will be better efficiency with about 20% more output power. Because the efficiency is better, the PA will run cooler. A 30 sec keydown barely warms the Q6 heatsink

Note: Optional -You don't need to change the stock filter parts to do the transformer mod
Transformer Installation:

1. Remove L1 and clean out the holes.
2. On the bottom of the board cut and remove the short trace between L1 and C14
3. On the top of the board cut a gap at both ends of the trace between L1 and C1
4. Connect a jumper from now free end of C1 to the junction of C14, C15 and L2
5. On top of the board solder the center tap, ab', to the now free end of C14
6. In the holes where L1 was removed (refer to the illustration):
7. Insert and solder the lead a' into one hole and the lead b into the other hole.

Comment: The connection for C1 on the board relative to the schematic didn't matter when L1 was used. With the transformer, the connection needs to be at the end of the filter not the collector of Q6.

