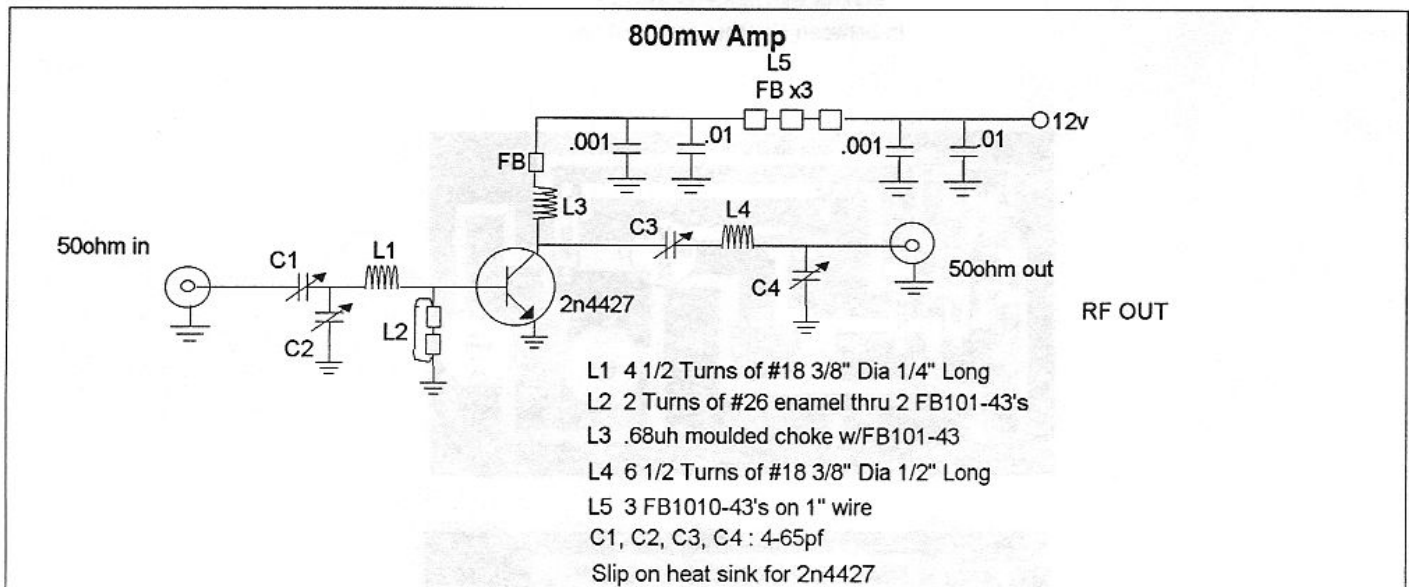
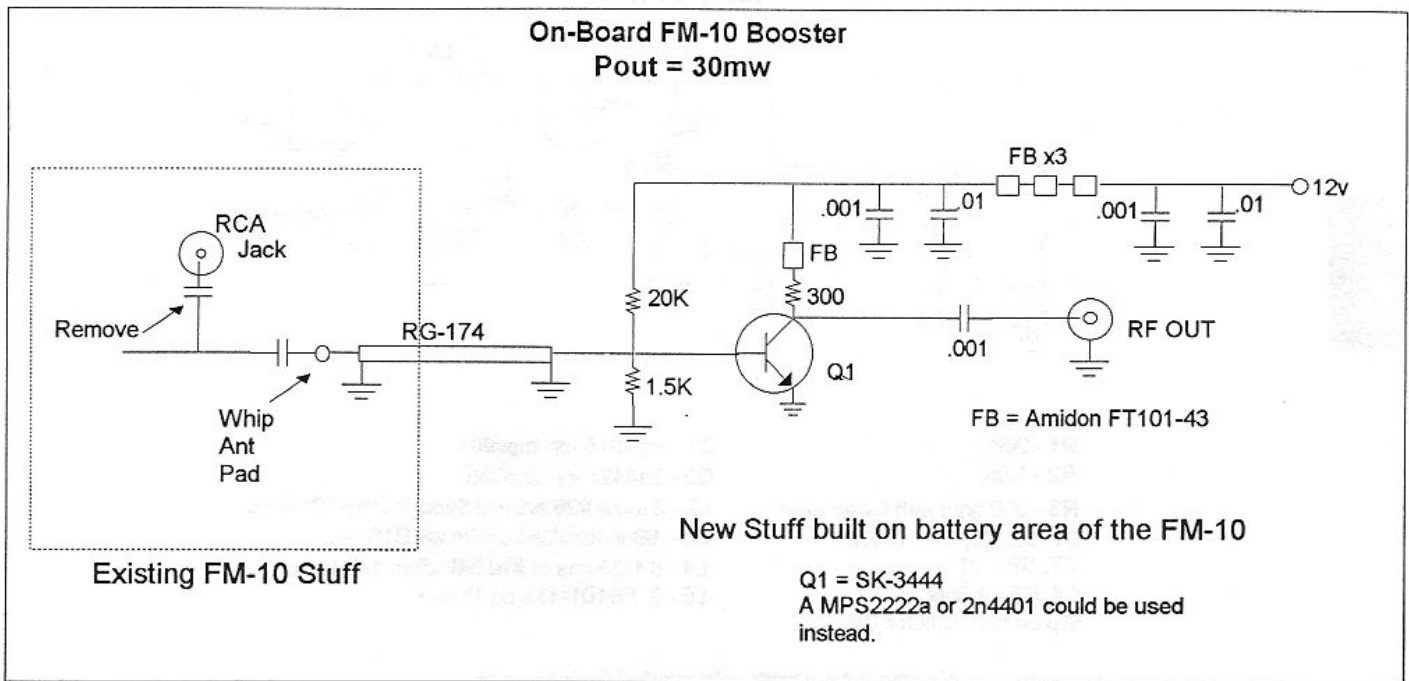


800mw Output Amplifier for the FM-10



Tune Up

- o Connect a good 50ohm non-rerective load to the output with RG-58.
- o Apply 12v. It is very useful to be able to monitor the current (250ma or so.)
- o Apply 20-30mw of drive to the input with RG-58 or RG-174 (output of the FM-10 + 30mw booster amp ok.)
- o Tune C1 and C2 for max input current.. (Use an insulated alignment tool!)
- o Tune C3 and C4 for maximum output. C3 and C4 will be quite touchy.
- o This circuit is capable of output in excess of 1.4 watts, but without a mondo heat sink on the 2n4427 it is better to limit output to 800mw. A slip on heat sink is used. Do not reduce output by detuning. Reduce drive to adjust output (you can raise the 300 ohm resistor in the booster to lower output.) Heatsinking the 2n4427 will allow higher power operation, but may require shielding to prevent oscillation due to coupling back to L1.