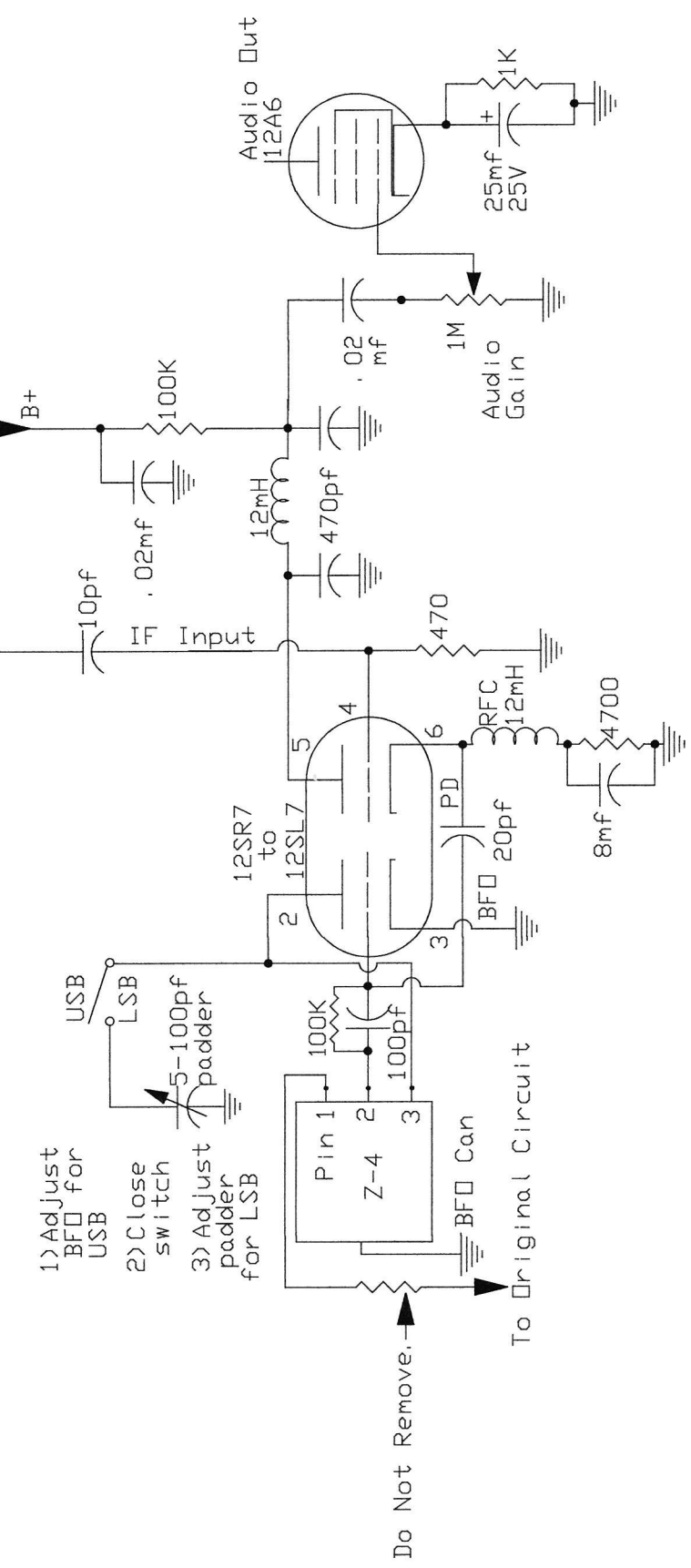
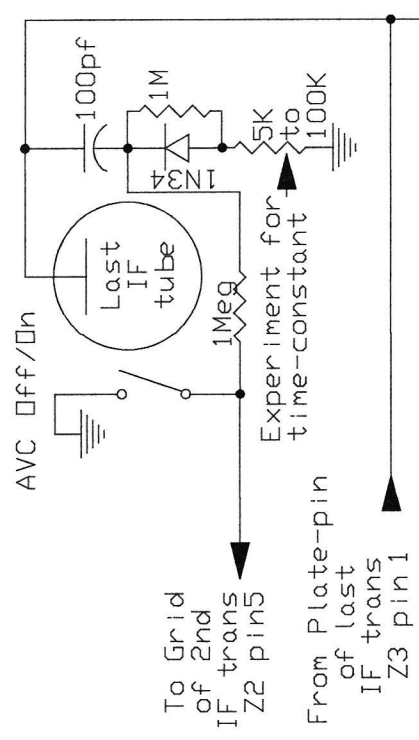


Conversion of BC-453 to "Poor Man's" 75A4

By: W7EKB

Triode Product Detector --- AVC --- Upper and Lower SSB

- 1) If the last IF tube is a 12SK7 use the circuit as shown. If the last IF tube is a 12SF7, either substitute this circuit for the original AVC circuit, or add this one, using the grounded diode of the 12SF7 in place of the 1N34.
- 2) The 12SL7 is recommended as its filament current is identical with the 12SR7. If you wish to use a tube with a higher transconductance, use a 12SN7, or an adapter with a 7963 and adjust voltage or current as necessary for the other original tubes.



Convert the BC-453 in the usual manner before adding this circuit. Test. Turn the receiver upside-down with the front facing you. Locate the 100K resistor on the first, left-hand terminal board. The inside lead of this resistor is connected to ground. Remove the ground connection. This is important for proper AVC action.