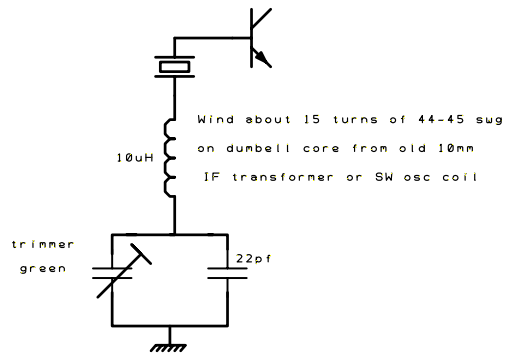


IF amp mod

Substitute Q3 in original circuit with 2 transistor configuration

* Reduce if higher gain devices are used for stability

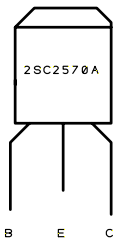


BFO mod

This configuration gives more BFO xtal tuning range
All other component unchanged

Notes:

- Kindly correct output pin for LM386 is pin 5
- Make speaker coupling cap at pin 5 of LM386 as 200uF for better low freq response
- Make bandpass filter using link coupled coils omit 15pf coupling cap
- BFO freq should be around 9995.0 khz approx
- If using 2N3866 for driver transistor make emitter resistor 10R Remove the partial bypass cap and resistor else stage will oscillate
- When substituting Q1 with 2SC2570 note different pinout



Substitute Q1 for better performance

BITX 20 Mods

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