

sidetone for the Atlas 210 transceiver

One disadvantage of the Atlas 210 when operating on CW is that it has no sidetone provision. When faced with this problem, one of my Amateur friends tossed his Atlas on my bench for a solution. The following circuit is the result of the work, and has proved very satisfactory.

In fig. 6, Q1 and Q2 act as a simple audio oscillator and the frequency is adjusted by altering C1 to suit the operator. Q3 acts as a keying transistor simultaneously with transmitter keying.

This oscillator operates from about 6 volts, and so a simple regulator is used to keep its voltage relatively constant. The rest of the circuit is that recommended by the manufacturer for break-in CW operation. This unit was built in a small box; the keying output goes to the key jack on the Atlas, and the key plugs into the jack on the minibox.

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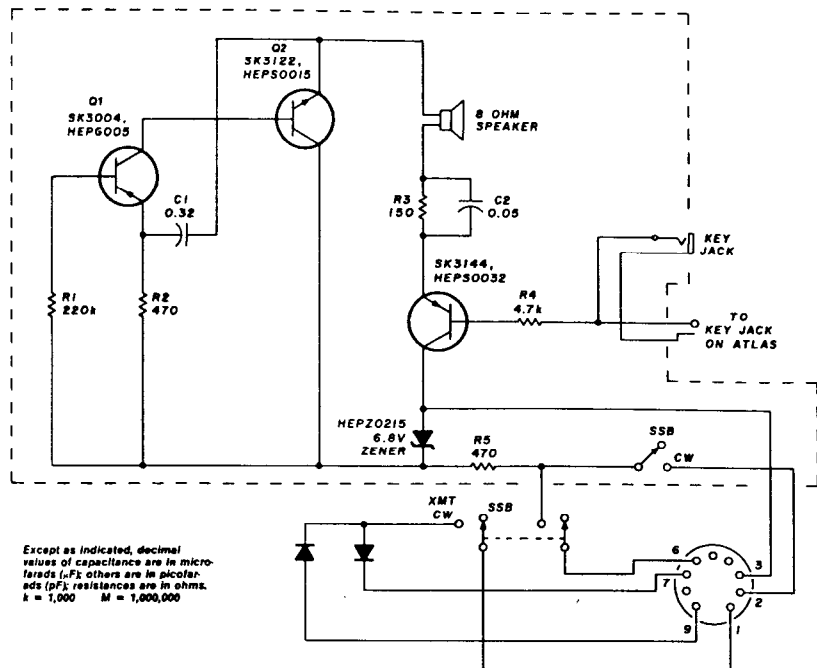


fig. 6. Modified Atlas circuit for CW sidetone with addition of connection of wire from white lead inside to pin 9.