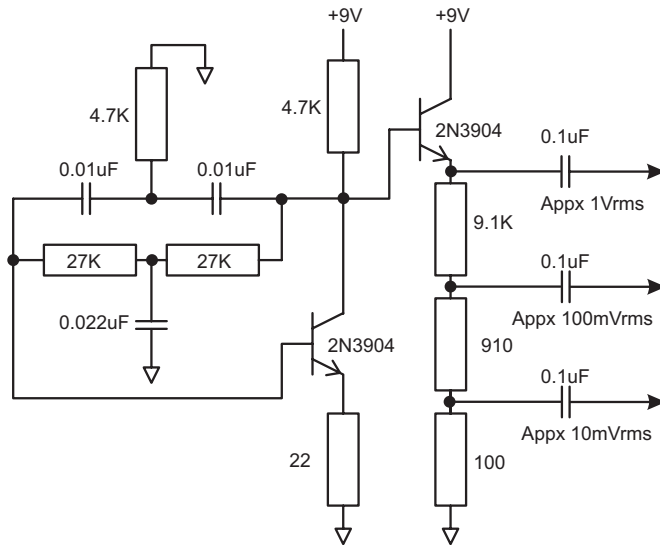


A Quick and Dirty Audio Test Oscillator



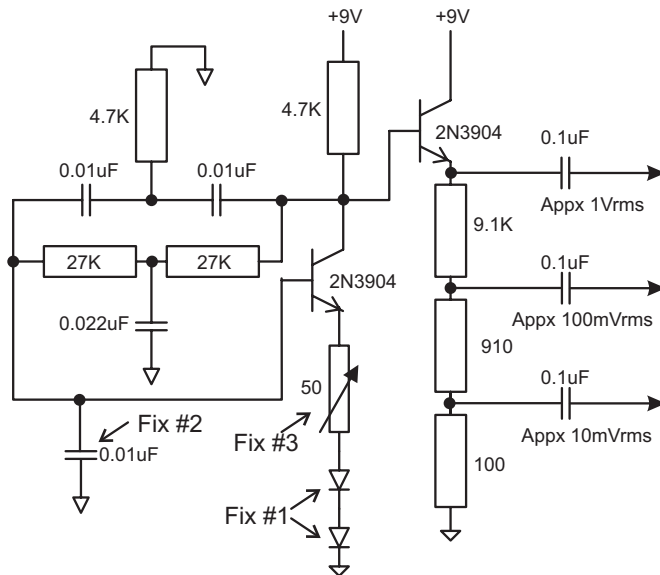
There must be 100 varieties of this circuit in hobby and audio mags.

This is a basic Twin Tee oscillator that provides a ~~relatively pure~~ "kind-of-a-" sine wave at approximately 1kHz. It's super quick and easy to build, and is tolerant of using different types of transistors. In a pinch you can leave off the emitter follower and just use the 1Vrms sine from the collector of the first transistor, or use a resistor divider. The second transistor buffers things up so it's more immune to loading.

The 100mv output is closest to a newly-struck guitar string level for audio and effects testing.

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A Quick and Less-Dirty Audio Test Oscillator



Kudos to statement for making it less dirty! The quick fixes are

1. put two diodes in series with the 22 ohm emitter resistor.
2. Add a cap from the base of the first transistor to ground.
3. make the 22ohm adjustable for less distortion.
4. optionally, you can make the 9.1K+910R+100R string be a single 10K pot. Audio taper is best for adjusting audio things, but linear works as well. So does using a single 10K resistor if you want a several-volts sine wave, or two resistors to get smaller signals.

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