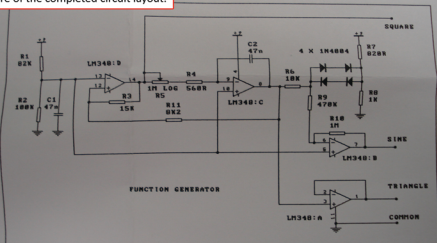




## Close-up of the schematic

If you can't read a schematic, don't worry. I will give a close-up picture of the completed circuit layout.



## COMPONENTS

Resistors, 5%, 1/4W

560R	green blue brown	1
820R	grey red brown	1
1K	brown black red	1
8K2	grey red red	1
10K	brown black orange	1
15K	brown green orange	1
82K	grey red orange	1
100K	brown black yellow	1
470K	yellow violet yellow	1
1M	brown black green	1
1M Piher log pot + spindle		1
1N4004 diode		4
9V battery snap		1
47nF ceramic capacitor		2
LM348 IC		1
14 pin IC socket		1
Kit 23 pcb		1

## Pictured Here:

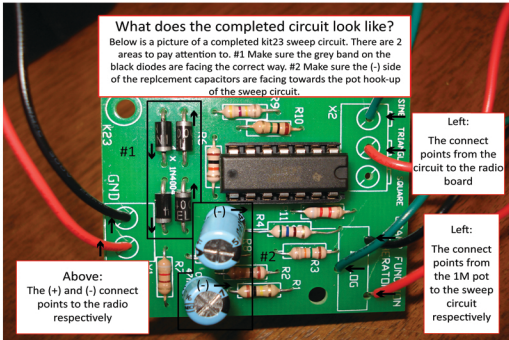
This is the value sheet that comes with the kit23 FG. You'll notice that the values are all layed out so you can easily pick out the correct value compnent and match it to the pproer location on the PCB. We replace 3 stock items with RS replacements.

We use a LM324 in place of the LM348 op amp. We use RS (272-1027) caps in place of the stock caps and a 1M linear taper pot (271-0211) in place of the plastic 1M pot spplied.



**What's Inside the kit23?**

This is a picture of the components and PCB you will get inside the kit23 Op AMP Function Generator build kit. You will notice that the PCB gives clear indication of where the components are added to the board.



**What does the completed circuit look like?**

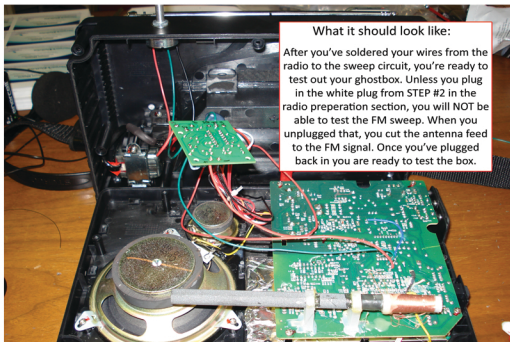
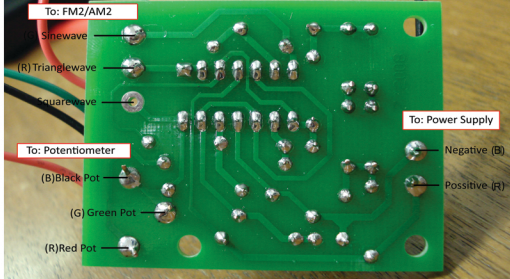
Below is a picture of a completed kit23 sweep circuit. There are 2 areas to pay attention to. #1 Make sure the grey band on the black diodes are facing the correct way. #2 Make sure the (-) side of the replacement capacitors are facing towards the pot hook-up of the sweep circuit.

**Above:**  
The (+) and (-) connect points to the radio respectively

**Left:**  
The connect points from the circuit to the radio board

**Left:**  
The connect points from the 1M pot to the sweep circuit respectively

This is the underside view of the completed sweep circuit.  
Below you will see the hook-up points on the circuit to the respective locations within the radio.



#### What it should look like:

After you've soldered your wires from the radio to the sweep circuit, you're ready to test out your ghostbox. Unless you plug in the white plug from STEP #2 in the radio preparation section, you will NOT be able to test the FM sweep. When you unplugged that, you cut the antenna feed to the FM signal. Once you've plugged back in you are ready to test the box.

