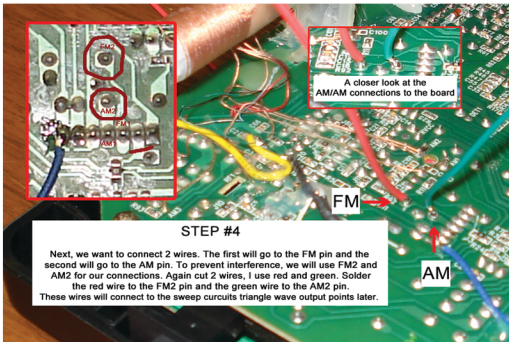


STEP #3

These are the only 3 pins we will be focusing on for this modification.

Pin 1 is the MUTE pin. We first need to cut the trace to this pin to prevent the radio from stopping during the sweep of the band. Pin 2 is the FM tuning pin and Pin 3 is the AM tuning pin. We will work with them later. Use a razor blade to cut the trace where marked to the right in red. Make sure you cut carefully and cut through the copper trace completely.

When you have cut the trace to the mute pin, it should look like this.



STEP #4

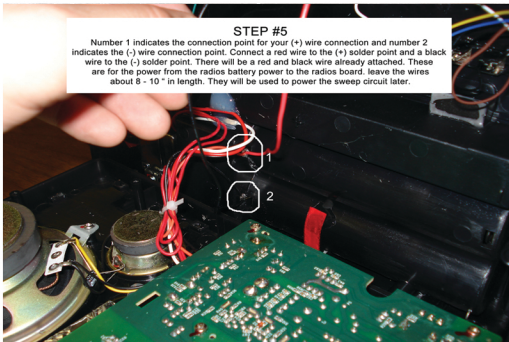
Next, we want to connect 2 wires. The first will go to the FM pin and the second will go to the AM pin. To prevent interference, we will use FM2 and AM2 for our connections. Again cut 2 wires, I use red and green. Solder the red wire to the FM2 pin and the green wire to the AM2 pin. These wires will connect to the sweep circuits triangle wave output points later.

FM

AM

STEP #5

Number 1 indicates the connection point for your (+) wire connection and number 2 indicates the (-) wire connection point. Connect a red wire to the (+) solder point and a black wire to the (-) solder point. There will be a red and black wire already attached. These are for the power from the radios battery power to the radios board. leave the wires about 8 - 10 " in length. They will be used to power the sweep circuit later.



STEP #6

Next, we want to drill a 5/16" hole at the top of the radio for the potentiometer. We replace the plastic stock pot with a RadioShack 1M pot (271-0211). Be sure you drill about midway between the 2 screw locations, centering the hole from front to back. Before installing the pot in the hole, connect a red, green and black wire to the prongs of the pot. If you spin the prongs towards you in the picture from right to left you connect the red (R), green (M) and black (L). When the wires are connected, install the pot and turn prongs towards the back of the radio wall. This should look as it does to the right. You can leave these wires at 6" or so in length.

This is the last step in prepping the radio for the addition of the kit23 function generator

