FOX BMP 10/60: INCREASE SCAN DELAY ... PCB No. X-2695-05 REV-G
(Next to readout; top of PCB)

1. Remove 6 screws in bottom cover. 4 are under the rubber feet which may be peeled off to reveal the screws. Place them on a piece of wax paper; adhesive side down; so they can be reused.

2. Separate the covers.

3. Remove the flat cable from the PCB by pulling it out of the connector on the PCB.

4. Unsolder the two speaker wires at the speaker.

5. Remove the 4 screws - holding the PCB in place; at each corner; these are accessible from the top. Remove bottom cover from PCB.

6. Remove the metal shield covering part of the PCB by unsoldering it at its corners.

7. Locate I.C. 1A and the components shown in Figure 1.

8. Drill a mounting hole for your new switch in a convenient place on the front panel and mount the switch.

9. Carefully connect the compnents together to form the circuit shown in Figure 2. After they have been soldered in place, use some Elmer's Contact Cement to hold them in place. Pay attention to the location of the cover center post. (One of the screws go in it - and easy to get a new component in the way of this post preventing the covers from going back in place.)

Once this has been completed and double checked, power the unit up and check it out. Notice that a short transmission or a burst of noise does not cause the unit to delay, one of the features of this circuit. (Switch closed = delay ON).

After you have verified operation and are satisfied that all is okay, remove power and reassemble the unit in reverse order of disassembly. NOTE: Look at the end of the FLAT cable. If the contact areas have been scraped off by connector J1. Use scissors and cut off the areas that have been scraped off by cutting across the cable, shortening it by about 1/16".

The 330Mfd capacitor gives about 3 seconds of delay. Decrease value for shorter delay time/increase for longer.

PARTS LIST: 2N3904 transistor; 330Mfd electrolytic capacitor; 2.2K ¼W; 4.7K ¼W; and SPST miniature switch..

FIGURE 1

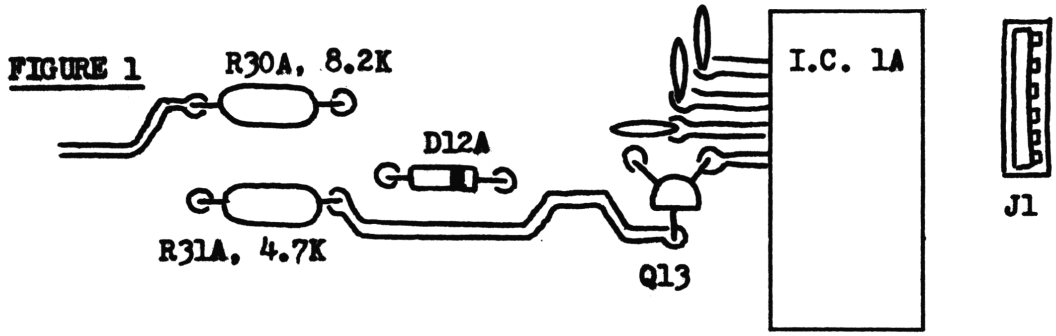
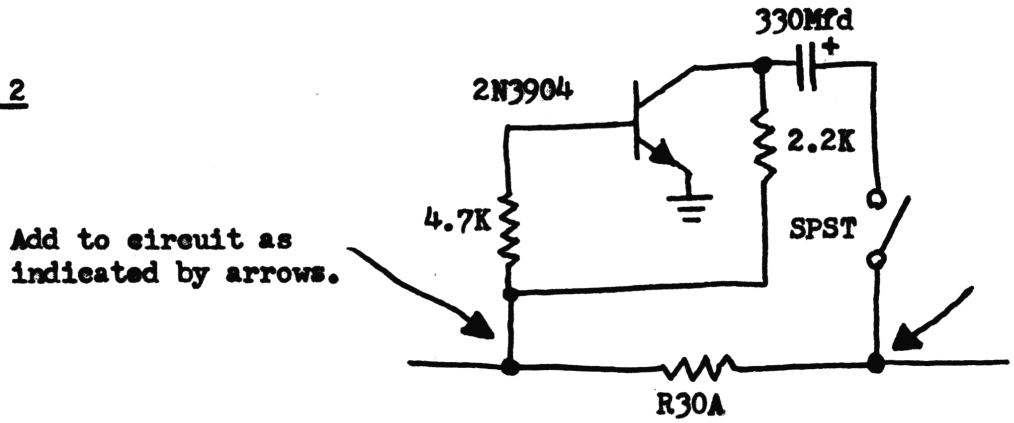


FIGURE 2



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TECH TIP

If you clip the AMC diode you have high transients. This exceeds the working volt (WVDC) of many of the audio circuit capacitors. This continued action will deteriorate the quality of the circuit over a period of time. Could be the problem with sluggish and/or slurred sound or soft & mushy sound.

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