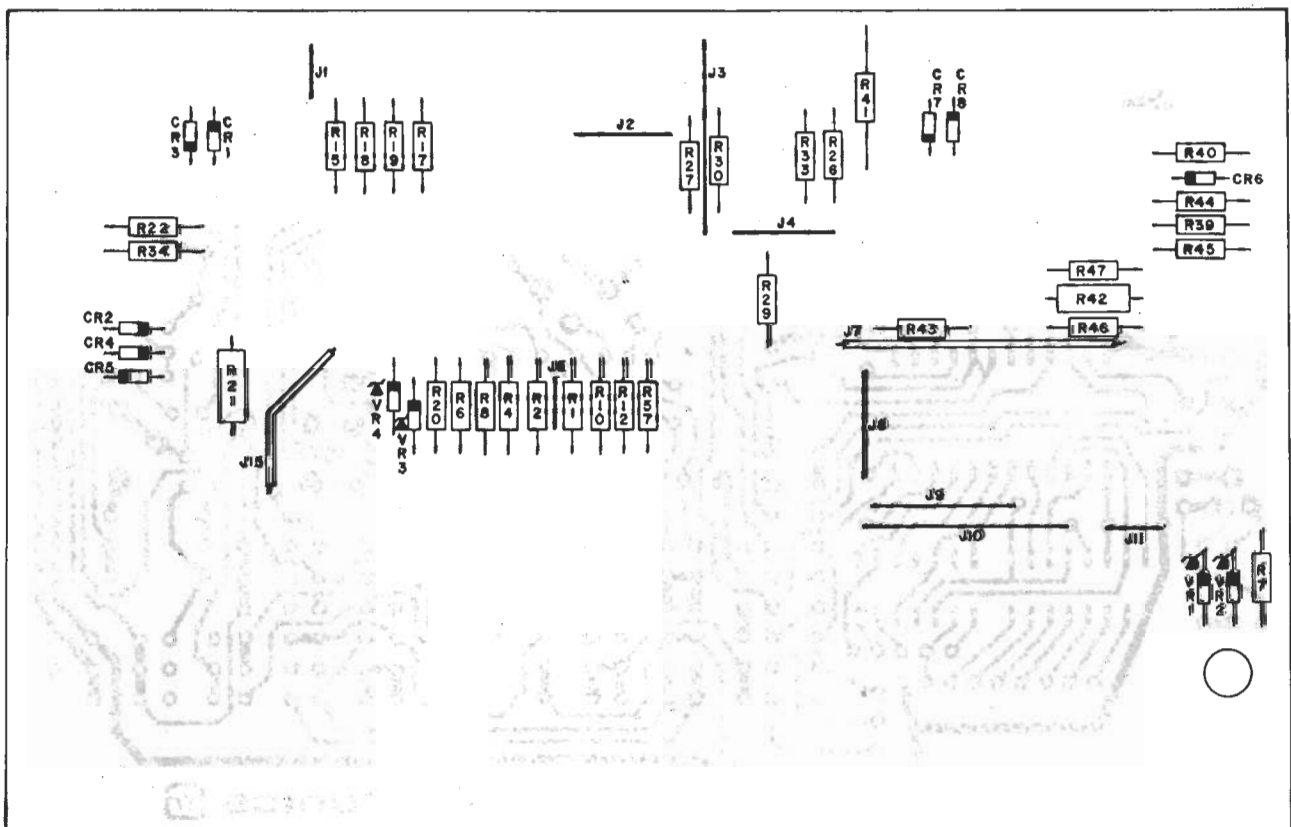


All switches shown in the out position.

*Subtronics model 2000 parts*

**SCHEMATIC**



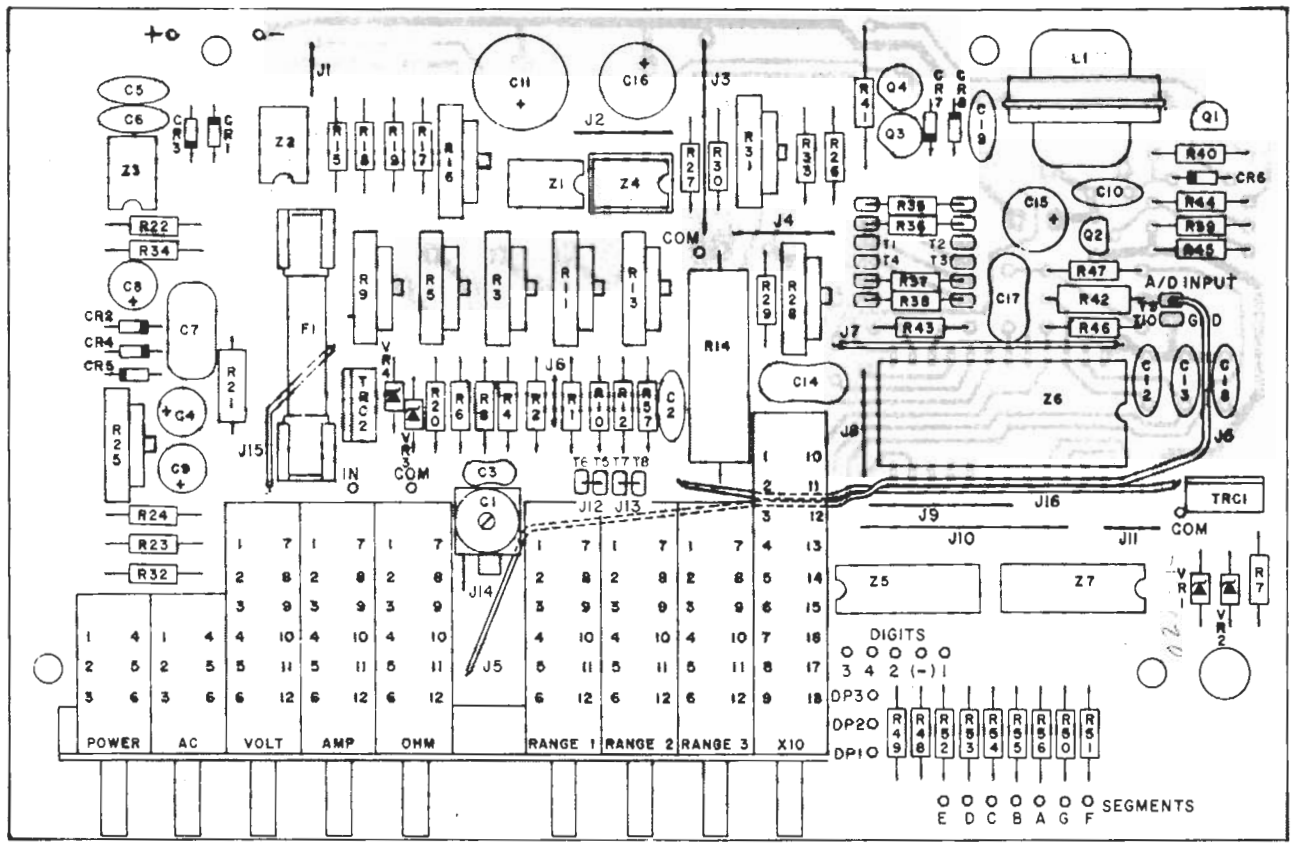


FIGURE 2

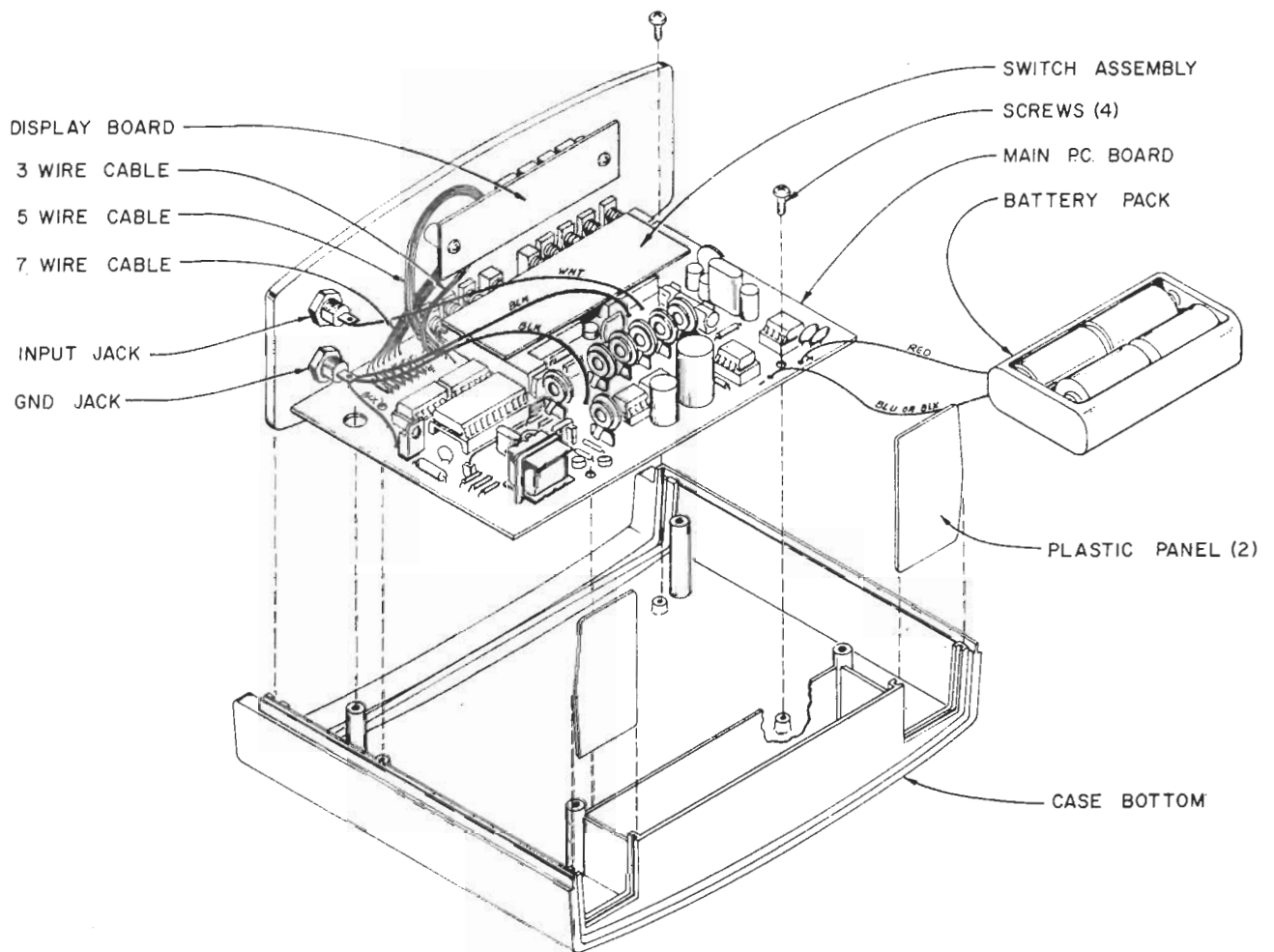


FIGURE 3

## **SABTRONICS DMM KIT**

**Radio-Electronics** carries an ad for the Sabtronics *model 2000* DMM kit. It is an excellent kit; I've had one for months. Perhaps you could pass this information along to those readers who may also own one and have had problems.

The kit manual and circuit diagrams use "house numbers" for the IC's. Sabtronics couldn't help me when I blew out the A/D converter, which is identified only as IC 20-786. It is, in fact, the Motorola 14433P A/D converter, and I obtained the replacement from Circuit Specialists Company, P.O. Box 3047, Scottsdale, AZ 85257 (\$14.25).

The op-amp used in the AC converter circuit can be replaced with a simple 741 (marked Z-3 in the manual).

The segment driver (Z-7) is MC14511B and the digit driver IC is a 75492 (marked Z-5). This information may help some of your readers to get their units working again if they were unlucky enough to zap the unit with an overvoltage as I did.

*continued on page 22*

**CIRCLE 67 ON FREE INFORMATION CARD ➤**

---

## **LETTERS**

*continued from page 17*

---

If the unit does not autozero in the AC 10-volt mode, it is due to multiplex decimal-point noise from the selector switches. Sabtronics sells an inexpensive (\$3-\$4) add-on kit that removes this problem and really works.

**R.B. STILLWATER**  
*Winnipeg, Canada*