BYTESAVER

ASSEMBLY MANUAL

BYTESAVER ASSEMBLY INSTRUCTIONS

The Cromemco Bytesaver^{TM} kit can be assembled in about one evening. All components are mounted on the component side of the pc board (the side with the printed legend) and soldered on the opposite side. Be sure to use high-quality rosin core solder for the assembly and a fine-tipped low wattage soldering iron.

( ) Solder in position the 10 14-pin IC sockets, the 6 16-pin IC sockets, and 8 24-pin IC sockets.

( ) Solder in position the $\frac{1}{4}$ watt resistors:

R1	47K	yellow-violet-orange
R2	10K	brown-black-orange
R3	180	brown-gray-brown
R4	1K	brown-black-red
R5	9.1K	white-brown-red
R6	1.5K	brown-green-red
R7	1K	brown-black-red
R8	47	yellow-violet-black
R9	1K	brown-black-red
R10	10	brown-black-black
R11	5.6K	green-blue-red
R12	5.6K	green-blue-red
R13	10K	brown-black-orange
R14	5.6K	green-blue-red
R15	180	brown-gray-brown
R16-R39	18K	brown-gray-orange

( ) Next install the 1N914 diodes. NOTE we recommend that no diode be installed in the diode position just below transistor Q0. When using the Bytesaver we recommend that the PROM containing the Bytemover software be inserted in PROM position zero. By not installing this diode there will be no chance of accidentally programming this PROM.

When installing the diodes be careful to orient them properly, noting the position of the cathode (banded) end. Due to the close spacing of the holes in the pc board, the diodes should be mounted on end.

( ) Now install the 23 capacitors as shown on the pc board. Be careful that the electrolytic capacitors are oriented with the positive (+) end as shown.

( ) Now solder the transistors in place taking care to orient them properly. Note that Q8 and Q9 are 2N3906 transistors, and Q10 is a type MPS6560. All other transistors are type 2N3904.

( ) Install the pc board switch, SW1, in the upper left corner of the board.