

# HOW TO REPLACE A PROGRAM MEMORY CHIP

## 1. DISCONNECT ALL POWER FROM THE BOARD !!

2.

**DANGER !!!**

### STATIC ELECTRICITY !!

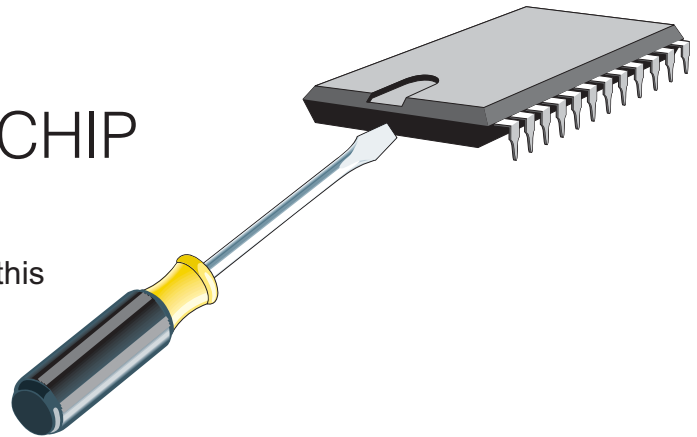
Your body is filled with thousands of volts of static electricity. Touch the metal top of one of the large power supply capacitors before attempting a chip removal or install.

## 3. REMOVING THE OLD CHIP

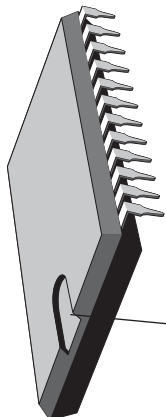
Carefully slip a small flat blade screwdriver under one end of the chip. rock it back and forth as you slip it under the chip. Continue this action along the underside of the chip until the chip comes out of the socket.

CAUTION... some sockets are "open face" and if the screwdriver is pushed in at too steep of an angle you may pry the socket off of the board or damage the board's traces.

**PLUG THE CHIP INTO SOME BLACK CONDUCTIVE FOAM IMMEDIATELY.**



## 4. INSTALLING THE NEW CHIP



Make sure the new chip is installed with the notch facing the same way as the notch on the socket. If you put the chip in backwards it will be destroyed. Lay the chip on it's side and make sure all of the pins are straight by pressing the chip down and forcing the pins to straighten up. Flip the chip over and do the other side also. Set the chip into the socket and make sure all pins are lined up with the socket's holes. Press down with an even pressure until the chip is seated firmly in the socket. Look closely, are any pins bent? are all pins in their socket holes? If not, remove the chip, straighten the pins and try again.

NOTCH

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