

### **Special Instructions for Replacement of Chips in BIRD GARD PRO (#0033) Product**

- 1) Unscrew, remove and set aside for later the 4 screws recessed into the molded plastic enclosure; **NOTE:** The shorter screws (2 of them) go into the top holes, and the longer screws (2 of them) go into the bottom holes;
  - 2) Open the cover door;
  - 3) Using pliers, carefully unscrew the hex nut located on the back of the unit above the "POWER" jack--set aside for later;
  - 4) Again using a pliers, carefully unscrew the round thumbnut around the "Extension Speaker" jack on the back of the unit – set aside for later;
  - 5) Carefully separate the front plastic enclosure from the back portion--being careful to try to keep the rubber gasket in place so that when you reassemble the unit, the gasket is positioned correctly in place;
  - 6) Remove the Volume control knob from the front operating panel either by using a small screwdriver to loosen a setscrew located just under the shaft below the Volume control knob, or by merely pulling straight away from the front panel;
  - 7) Once the above items have been completed then carefully remove the metal faceplate from the circuit board below;
  - 8) After the circuit board has been removed entirely, then you will be able to access the microchip;
  - 9) Use a flat-bladed screwdriver and gently separate the microchip away from the 32-pin socket, as it is merely a press fit into the socket. Then replace the microchip with another microchip, being careful to put the new microchip into the socket in the same direction or way as the microchip that you are replacing--note that there is a small notch on one end of the microchip that corresponds to the notch indicated on the circuit board silkscreen below;
  - 10) After the new microchip has been replaced, then simply reverse the procedures above, making certain that the photocell is positioned correctly inside the translucent "PHOTOCELL" lens cover located on the front panel.
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