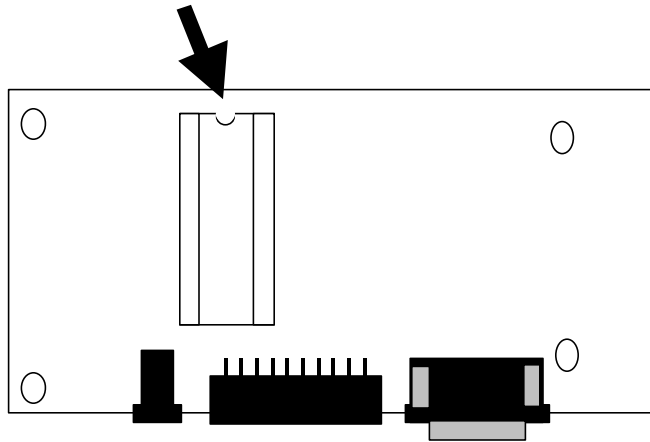# Instructions on replacing a program chip in a TC1 controller

Procedures:

1. **Make sure power to the controller is disconnected before installation.**
2. **Discharge any static by touching a grounded object.**
3. Remove the 2 screws from the lid of the TC1 and remove the lid.
4. With the board still in the case, it may be a bit difficult removing the chip without a chip remover or "L" shaped hook screwdriver. You may have to remove the board from the case (has 4 corner screws).
5. Using a CHIP remover or flat-head screwdriver, remove the old program chip from the socket (U3) by prying up the chip slowly on both ends. Make sure the screwdriver is between the chip and the socket and not under the socket. When in the correct position, the chip can be removed very easily.
6. Insert the new program chip making sure the notch on the chip lines up with the notch on the CHIP socket. The notch on the chip should be facing away from the connectors.
7. Make sure all the legs of the chip are inserted into the socket.
8. Reinstall the board (if removed from case).
9. Screw back on the lid.

In the picture below, the notch is located on the top of the socket (U3).

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