

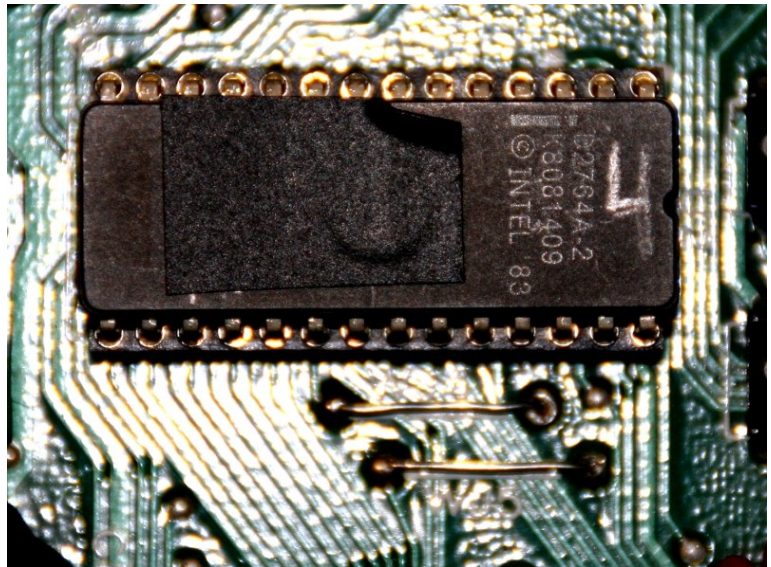
BIOS Replacement for ColecoVision

Perform this modification

To perform this repair, you'll need a 27C64 EPROM chip or equivalent programmed with the BIOS of your choice. You'll also need a 28 pin IC socket, and a couple of short wires.

You will also need to know how to desolder. There's at least a couple of methods. Usually what I do is clip all of the leads as close as possible to the plastic part of the chip. Then I pull out each of the pins, using a soldering iron and pair of cutters to remove. After that, I use a solder-sucker to clean up each of the holes. If you're not comfortable with desoldering, you're better off finding someone to help you.

Here is a picture of the newly installed EPROM BIOS. To get there, desolder the original chip, and clean out the holes. Solder in a 28 pin socket, then install the EPROM. Put a piece of black tape on top of the window of the EPROM. Notice that in the picture, pin 1 is at the top right. Two jumpers need to be soldered in, as shown below the chip.



Here is a picture of the bottom of the board, underneath the BIOS. Two traces need to be carefully cut, without affecting any other traces (there are some traces that are quite close). I've highlighted in red the traces that need to be cut. Use a sharp knife, and be careful not to cut yourself or others.

