

CBS ColecoVision (French-RGB SCART) BIOS Info
by NanoChess (O.T.G.)

I've made a comparison of your BIOS with the original USA BIOS and it has these differences:

- Some unused space (\$FF bytes in original) is filled with trash.
- The \$0069 byte contains \$32 (so it means an European machine) first time I've seen confirmation of this.
- The start delay in Colecovision screen is reduced.

BTW, the common procedure to detect faults in Colecovision is this:

- Check power supply voltage.
- Check activity in Z80 MREQ/IORQ pins, CLK input.
- Check decoder 74LS138 for activity in PSG port output (if BIOS is read correctly, it will turn off PSG sound)
- Check audio output of SN76489 with headphones (if BIOS is read correctly and 74LS138 works, it will be silent at boot-up, otherwise a tone will be heard)
- Check decoder 74LS138 again for activity in VDP port output (if RAM works correctly, Colecovision will try to init VDP)

If there is activity in VDP port output then you could try a game that starts immediately with sound and check with headphones. From there you can route and check if VDP chip is damaged or TV output doesn't work.

NanoChess (O.T.G.)