

Ceronix Model 1492 Color Gaming Monitor Repair Guide

Caps that go bad frequently:

- # 317 100 or 150 uf @ 250 volts
- # 286 100 uf @ 25 volts
- # 215 1000 uf @ 35 volts
- # 230 1 uf @ 50 volts
- # 233 1 uf @ 50 volts
- # 191 470 uf @ 50 volts (was originally 220 uf @ 35 volts)

CAPKIT: Zanen Electronics kit # 530 (16 parts) \$6.95 or Happ Controls # 49-5033-00 (\$9.50)

Picture blacked out, fast chirping: Replace # 286 (100 uf @ 25 volts)

Picture blacked out, slow chirping: Replace # 192 (LA 7830 i.c. or NTE 1773) and # 191 (470 uf @ 50 volts)

Picture blacked out, 127 volt line is way low: Replace # 280 (XRC5184 ic, 16 pins)

Picture blacked out: Replace # 295 (1N5954B, zener, 160 volt, 5 watt) NTE 5162A

Picture blacked out: Replace # 297 (Flyback, examine it closely for cracking and melting/burning)

Vertical roll or vertical size problems: Replace # 214 (PRA "H") resistor module

These notes courtesy of www.slotnotes.net (R.E. Sult's website)

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Manuals are available to download for all models.

IMPORTANT ELECTRICAL SAFETY WARNING:

The flyback on this monitor is developing sudden arcing out the area around the screen control. The plastic potting/insulating material may not show problems when powered off, but during operations you could get a 20,000 volt shock! Use a high voltage probe to look around this area for high voltage arcing/leakage before attempting to adjust the focus/screen controls. If the flyback is found to have this arcing problem, don't stick your fingers in there and make NO adjustments. ***The monitor may appear to be operating properly and may have a perfectly normal looking picture yet it may still have this dangerous/deadly flyback condition.*** Order and install a replacement flyback transformer to correct the problem.

Compiled by Ken Layton