

Re: Trinitron monitor faults

Source: <http://sci.tech-archive.net/Archive/sci.electronics.repair/2004-06/0114.html>

From: Jerry G. (jerryg50_at_hotmail.com)

Date: 06/02/04

Date: Wed, 2 Jun 2004 19:09:39 -0400

1. Loss of focus is usually attributed to high voltage regulation and focus supply regulation faults. This can be from the HV multiplier to start with.
2. This sounds like you have a combination of pin cushioning and vertical deflection problems. This is usually attributed to worn down capacitors in these areas, and also possibly other support components.
3. Jitter can be from a stability problem. This can be from supply voltage regulation, or noise in the supply voltage. This is usually attributed to capacitors that may be wearing down, or other support components.

Unless you can have the service manual, training, troubleshooting skills, and instrumentation, you will not be able to service this yourself. This monitor also has multiple problems.

If this is an expensive model (No model number and manufacture name given. Many use the Trinitron tube.), I would suggest you find out who their authorized service centre is, and send them the monitor for an estimate, so you may be able to make an intelligent decision about servicing it.

There are very serious safety issues when servicing monitors, and TV sets. There are some very high voltages employed, and the power supply used can be lethal. Strong safety precautions and procedures are in good order when working in these.

--

Jerry G.

=====

"Peter Baran" <pb@dlcproject.com> wrote in message
news:9Csvc.10222\$I4.1238184@wards.force9.net...

I have an AppleVision 850AV monitor, which uses a 20" Sony Trinitron tube. It was made in late 1997. Over the last year it has developed a multitude of problems effectively making it unusable.

1. Image has lost focus.
2. Many resolutions and/or refresh rates (but not all) have developed a proportion problem. The image at the sides is very squashed whereas it is spread out at the centre. Some resolutions and/or refresh rates have ceased to work altogether, even if they are not out of range - screen goes blank and makes a weird noise.
3. Most annoyingly - the whole picture ripples all the time. The pixels basically jitter, and the monitor emits a buzzing sound. This occurred

sci.electronics.repair: Re: Trinitron monitor faults

recently and very suddenly, on all resolutions.

I have taken the screen apart and looked at the Analog board. I found a charred bit and resoldered a couple of burnt contacts. Put it all back together but no improvement. 1 should be an easy fix, but what about 2 and 3? I have no idea where to begin.

TIA.