

Re: Hitachi AP53 Chassis, Convergence out, STK's statically check, Res / alignment question

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Source: <http://sci.tech-archive.net/Archive/sci.electronics.repair/2006-03/msg01986.html>

- *From:* Markus <mporter@xxxxxxxxxx>
 - *Date:* Fri, 31 Mar 2006 00:13:28 GMT
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Kip,

I called him yesterday after I got home, he was home, so, I took the chassis back, hooked it up and fired it up, worked fine. I replaced all three STK4274's and a couple funny look'n electrolytic caps. Plus re soldered all of the cold joints. While I was there I spent some time and cleaned up the optics, Looked great. Not very long ago I worked on his main Proj TV, it is an AKAI, PT4293HD, it was totally dead. Pulled that chassis, found the STK393-110's shorted and a hand full of 3.9 ohm flameproof current limit resistors open. Took it back and reassembled it. It worked fine, however, this set went out during a storm. Must of powered down with loss of Horz drive without killing the beam current. Has a line right up the middle on the red tube. Funny thing, I did some checking, looks like it is a Samsung, the circuit boards are G10 epoxy boards, mechanically a good design, however, makes me wonder if getting a tube, or, set of tubes for it would be worth it. I use to do all of our Campus Barco projectors, I always hated flipping on the switch the first time with the tube beam current enabled after doing a tube job. Do you think it would be worth the repair? Do you have a source for replacement jugs for these beasts? I know that sending the jugs out for rebuild is out of the question being the phosphor is toasted. Checking on the net it looks like this is a bummer model, ever seen one of these Akai PT4293HD 's?

Thanks again for the help,

Markus

.. On Wed, 29 Mar 2006 07:52:25 -0500, "kip" <nospam@xxxxxxxxxx> wrote:

If you want the manual let me know I will send it to you.
Would need Model Number as well.

kip

"Markus" <mporter@xxxxxxxxxx> wrote in message
news:k7qj22duaog7g100lb5rkejhlq2u182qe2@xxxxxxxxxx

Re: Hitachi AP53 Chassis, Convergence out, STK's statically check, Res / alignment question

Kip,

Checked today, parts should be in tomorrow. I'll let you know how it goes. I did some searching for a setup guide to get to the hidden convergence screen, think that I found it, will let you know. I went over the board with a magnifying glass, could find nothing out of the norm. All diodes checked OK with my fluke meter, most of the time if they are poor they will check high in the forward direction. Read some ware that these PCB's break, funny thing is when I was removing it the back got caught under the bolt in the center of the chassis (lower cabinet anchor) I could see how that could happen. This board doesn't look cracked. What bugs me is that the STK's checked OK (statically) I did solder a couple funny looking joints, however, non of those really looked open. I noticed there are LEDS for the various power supply's. When I install it and fire it up I'll have to check those. Just have a gut feeling that this sucker is going to be a tuffy, wish I had the whole unit back in my shop. Thanks again for checking those resistors. I dug around on the net, thought I could find a manual for it, just found the alignment instructions.

Take care and have a great day,

Markus