

Re: Toshiba high voltage problem

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"Bobby Villamor" <bobbyv@shaw.ca> wrote in message
news:F1fod.301087\$nl.261429@pd7tw3no...

- > *Hello everyone.*
- > *I am working on a 27in. toshiba color tv model CF27G50. Original trouble*
- > *symptom is that*
- > *when I push the power button on, the relay clicks supplying power and I*
- > *could hear the high*
- > *voltage attempting to build up then just about a second the relay clicks*
- > *turning the ac supply off.*
- > *I have tried disconnecting each low voltage power loads to check which*
- > *circuit or component*
- > *causes the relay to turn off almost instantly until I reach the high*
- > *voltage*
- > *section.*
- > *When I turn the power button on I see some sparks in the picture tube*
- > *electron gun – somewhere*
- > *around the filament / cathode area, then the relay turns off.*
- > *When I remove the high voltage cap from the picture tube the relay remains*
- > *on already, high voltage*
- > *is produced but the weird thing is that when I push the power button on*
- > *the*
- > *pcb or attempt to touch*
- > *any ground connection: wire, heat sink, etc., a high voltage arc jumps*
- > *from*
- > *the ground to my*
- > *finger before my finger touches it and I receive a mild electric shock.*
- > *Looks like excessive high voltage? But why do arc jumps even when a ground*
- > *terminal is touched?*
- > *I tried connecting in parallel the two snubber capacitors – those*
- > *connected*
- > *across h.o.t. with a*
- > *capacitor of smaller value but no effect.*
- > *I would appreciate any hint, comments or help regarding this problem.*
- > *Thank you very much.*
- > *Bobby*
- >
- >

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Usually sparks inside the CRT mean the tube has cracked and needs to be replaced. Sometimes they crack under the yoke where you can't see it, I had one I was checking out, I went to pull the neck board off and the whole neck of the tube came off in my hand.