

🖹 August 13th, 2015, 1:35 pm

You will need to replace the front panel board. The original board (679-4119-XX) has been replaced by a front panel kit. The p/n for this kit is 050378201.

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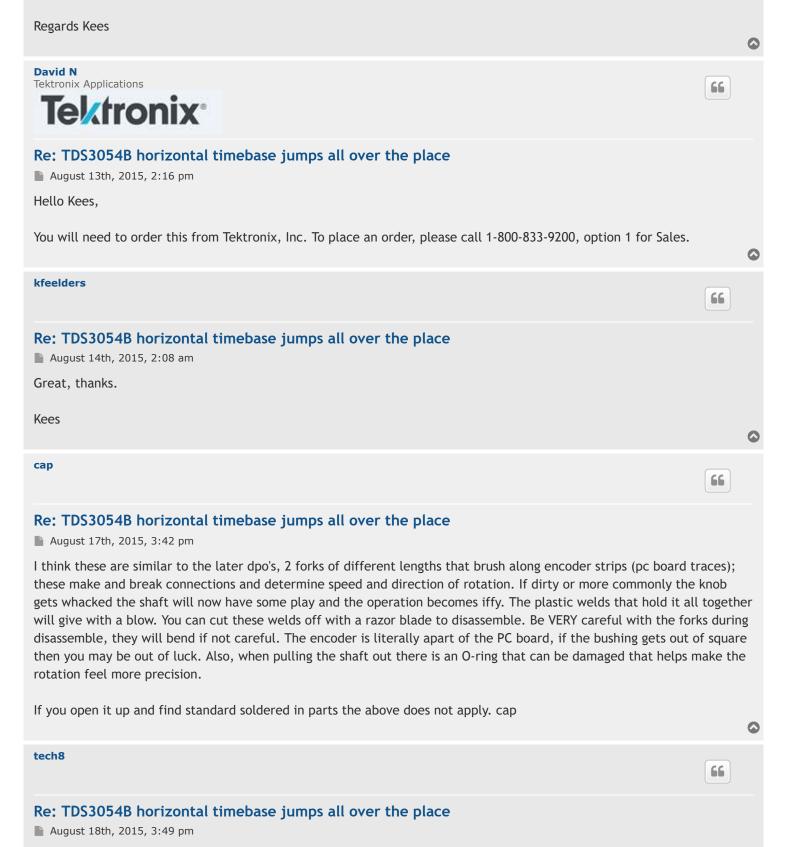
Re: TDS3054B horizontal timebase jumps all over the place

上 August 13th, 2015, 1:49 pm

Thanks Hiker, any idea where to get such a kit?

I see some hits here: http://www.zauba.com

I got a quote request outstanding at Tek support too.



cap is on the right track. Follow the service manual for instructions on disassembling the unit. The encoders are staked in place. It just might be that one of the plastic stakes broke. You can re-stake it with the point of a hot soldering iron and then reinforce the encoder hosuing with hot glue. I have also seen many of these act erratic because the surface contacts on the ECB is dirty. Remove the encoder as cap suggested (cutting the staking off). Clean the gold surface on the ECB with an eraser and/or an alcohol dipped swab. Then carefully re-insert the encoder housing, stake, and hot glue the encoder housing in place. Bad news if you remove the encoder and you see circular lines cutting down through the gold contacts on the ECB. Unless you want to delve into the wonders of gold electroplating, you'll have to replace the front panel board.

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kfeelders Re: TDS3054B horizontal timebase jumps all over the place 🖹 August 21st, 2015, 2:43 am Great info guys, i will open it up and take a look, thanks. Kees kfeelders Re: TDS3054B horizontal timebase jumps all over the place November 28th, 2015, 10:18 am Ok, i toke the easy way out (well, kind of as the front panel is way down) and replaced the front panel. The new panel had some different sized encoders, so hopefully they have improved on the old ones. The Tek is working as a charm again, thanks for the advices. Kees norbinz Re: TDS3054B horizontal timebase jumps all over the place September 18th, 2018, 3:55 am My TDS3054B Horiz Scale knob recently became erratic, almost unusable. I noticed that the front-panel's microcontroller is easily confused by slight contact bounce. So instead of buying a replacement front-panel board or disassembling the encoders, I did this: 1. Disassemble scope. Locate PCB traces to encoder's three pins. I call them Common, A, and B. 2. Add two 0603 size components in series: from Common through 27 nF through 680 ohms to A. 3. Add two 0603 size components in series: from Common through 27 nF through 680 ohms to B. The Horiz Scale knob now works like new. We'll see how long it lasts. I applied the same mod to the Vert Scale knob, just in case. By the way, the encoders resemble Bourns "Customized Solutions". Here are PDF data sheets from 2005: https://web.archive.org/web/20051017061 ... 66/9311205 10 posts • Page 1 of 1 Post Reply 🦘 ~ ▼ < Return to "Other or Discontinued Oscilloscopes" WHO IS ONLINE

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