

The following was put together as guidance for the reinstallation process for the Wells Gardner 19V1001 black and white raster family of monitor board sets after having been removed from its cathode ray tube.

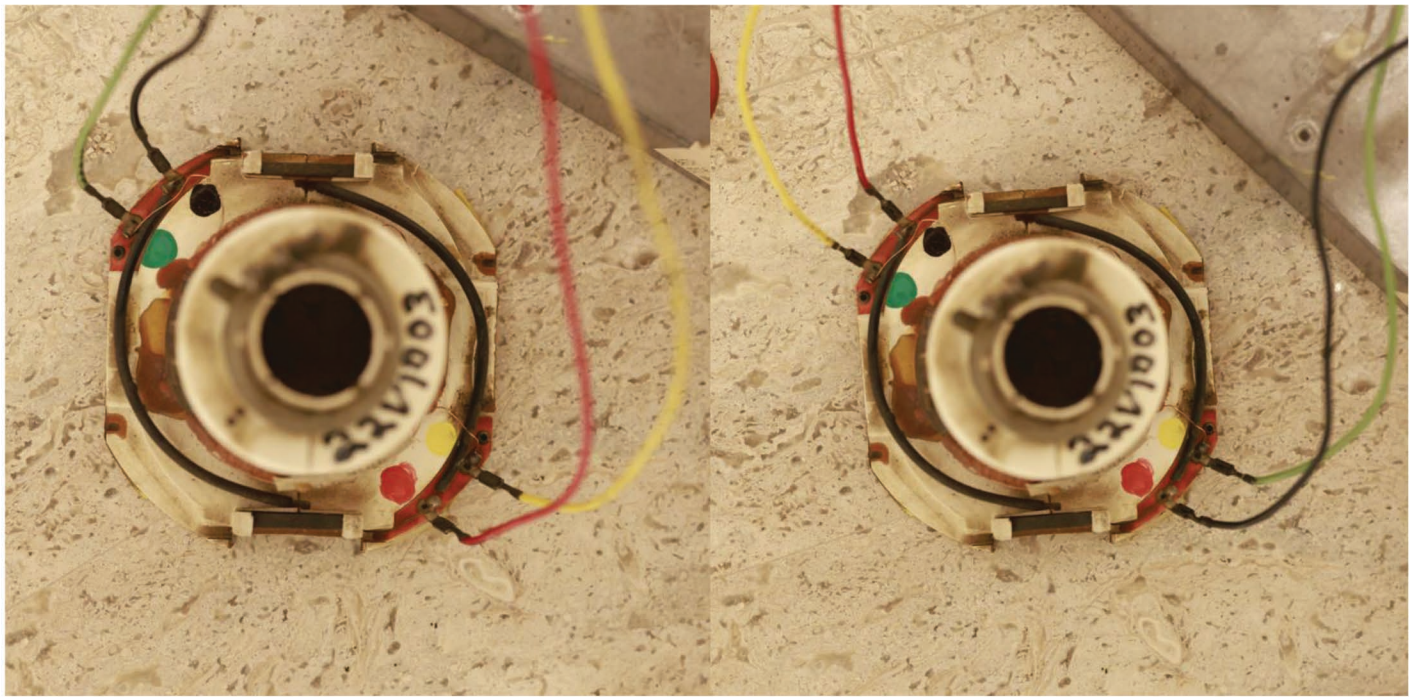
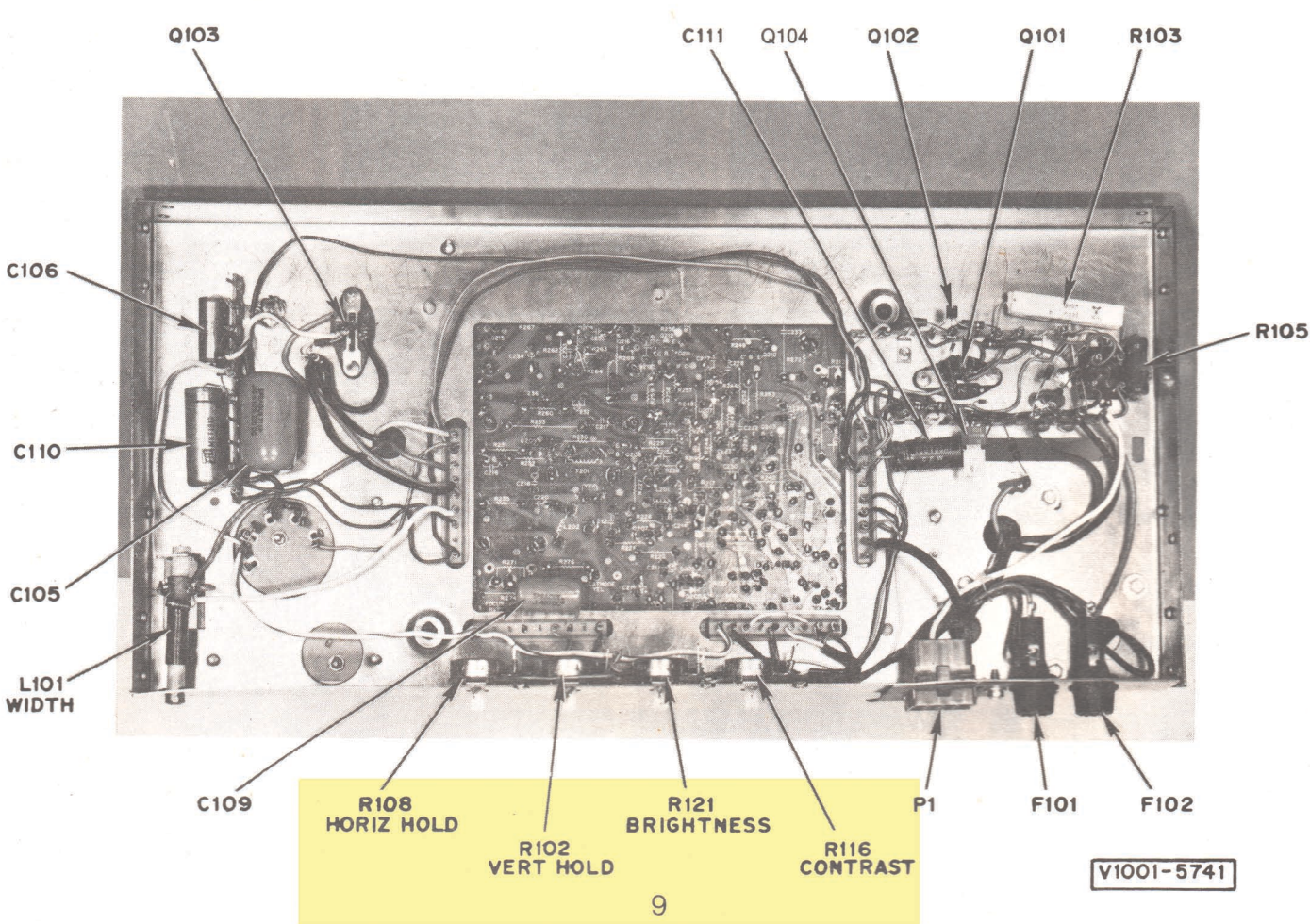
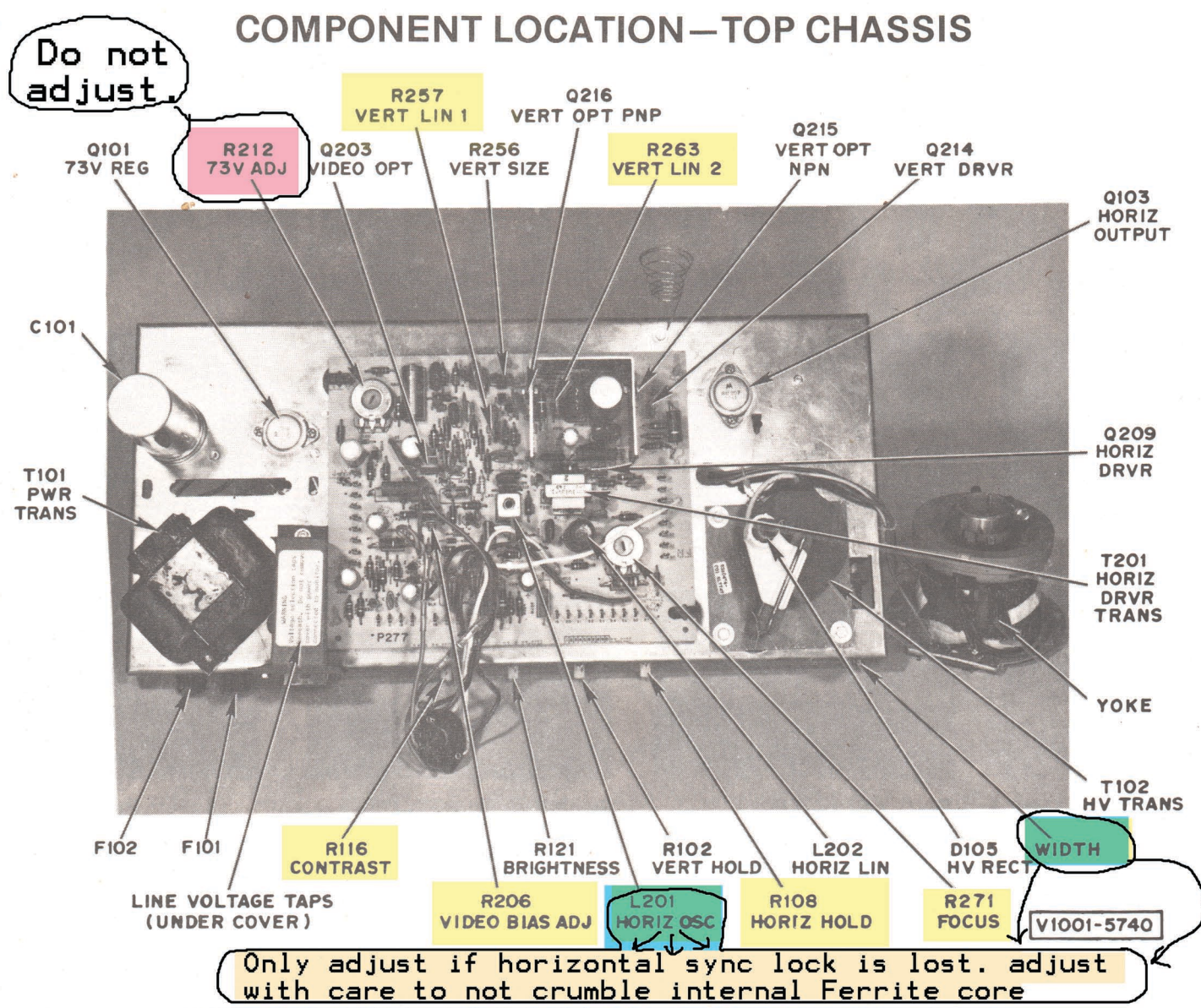
Keep them running  
repair - semiconductors - components  
arcadecup.com

Tel. 920 883 8905

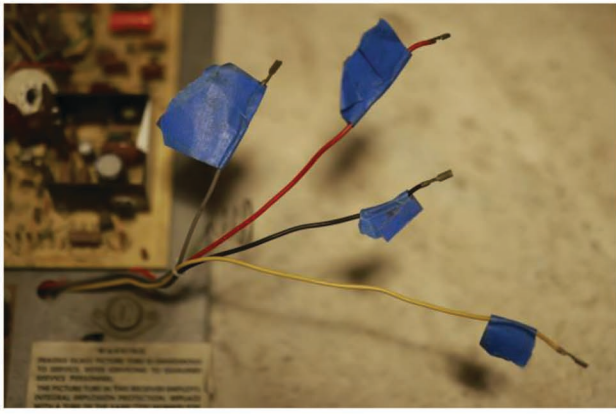


Chad Entringer  
est. 2005

Dedicated to CRT video monitor board analysis, reconditioning and repair excellence!

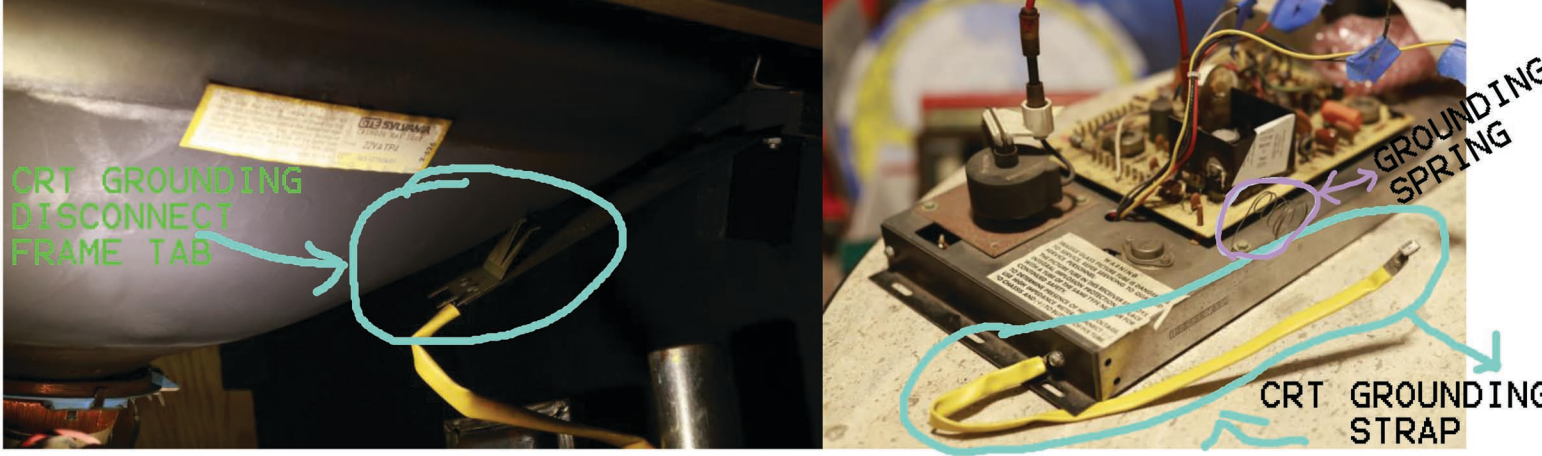


Colored monitor yoke wires are in two pairs. ↑ Above, Red & Black are a pair along with green and yellow as the other. Sometimes there is no green wire, instead grey is substituted in place that, Below ↓

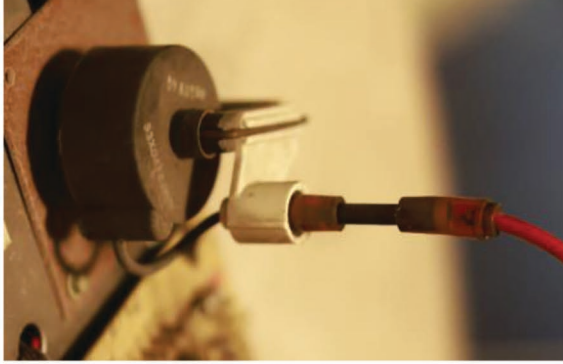


When reseating the monitor boards yoke wire terminals back to the yoke tabs match them accordingly to the colored dot next to each tab. If you need to flip and or mirror the image you can do so by swapping matched pairs described above only to its partnered colored dot. Red monitor platter terminal wire has 2 valid yoke tab spots which are red yoke dotted disconnect tab or black yoke dotted disconnect tab therefore the monitor boards black wire alternative spot is red and native orientation as black. Hence yellow monitor platter terminal wire valid spots are either yellow or green yoke dotted terminal tab and then green can home base onto green or yellow dotted tabs whichever is not populated yet.

- In other words there are 4 possible combinations:
- 1.)Red wire to red tab, black wire to black tab // yellow wire to yellow tab, green wire (or grey) to green tab
  - 2.)Red wire to black tab, black wire to red tab // yellow wire to yellow tab, green wire (or grey) to green tab
  - 3.)Red wire to red tab, black wire to black tab // yellow wire to green tab, green wire (or grey) to yellow tab
  - 4.)Red wire to black tab, black wire to red tab // yellow wire to green tab, green wire (or grey) to yellow tab



At a minimum, the yellow CRT grounding strap as pictured above must be terminated to the CRT aquaDAG and board platter. Additionally you may have a contact spring machine screwed to the platter. That spring needs to be touching the back surface of the monitor glass / aquaDAG. This should be in proximity of contact when the monitor board platter is seated back into the cabinet to its factory location, if not use the yellow grounding strap instead at a minimum. Hook up the yellow CRT grounding strap back to the disconnect tab it came off from the CRT tube framing. See illustration above left as known example. If only CRT yellow grounding strap in illustration picture available that should suffice as CRT to platter grounding.



Diode ends (terminals) inside the insulated casings here on the center and right side of picture must be touching metal spring or terminal wire wrap inside otherwise you may see static reproduced on screen image. This is floating touch and does not give a tight lock feel. Push 2 ends together towards center of diode to bring closer together. Do this with power turned off and monitor discharged or your high voltage retention anode cap and clip disconnected from CRT glass anode hole. Keep them running!.