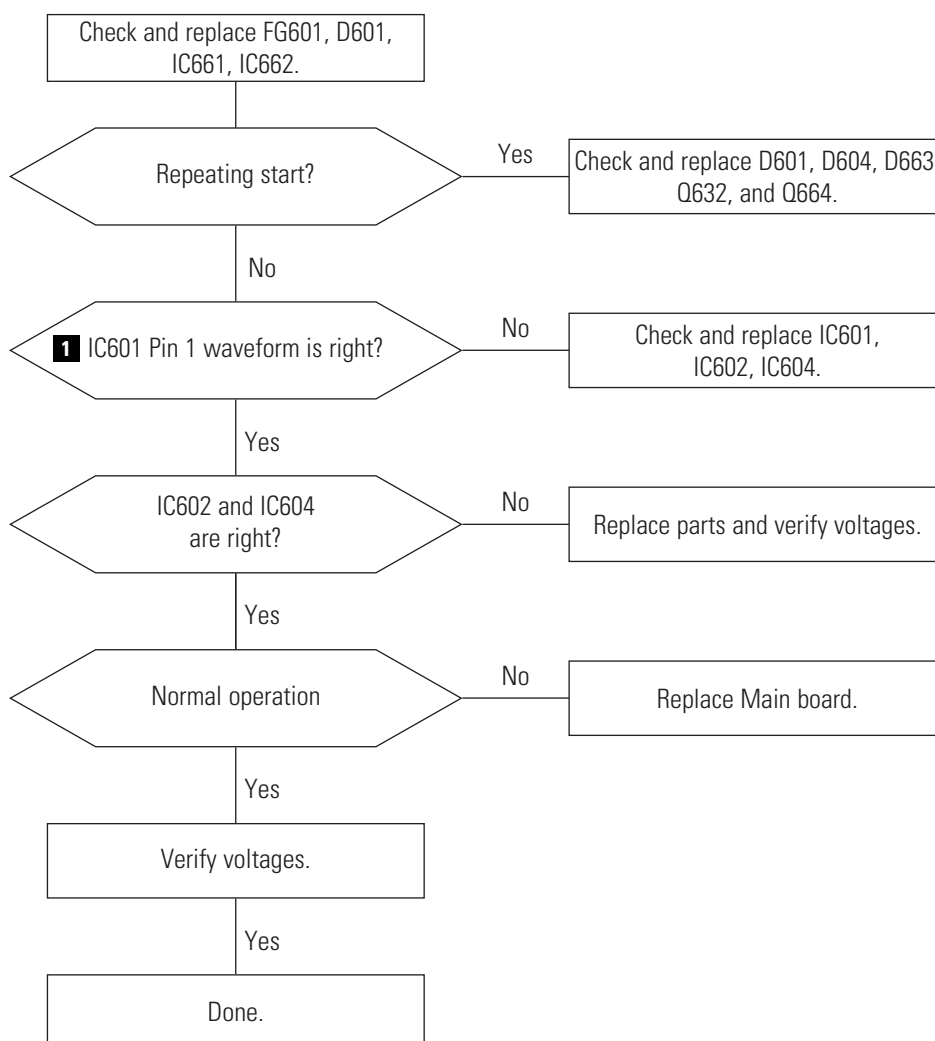


5 Troubleshooting

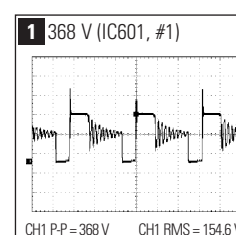
5-1 Parts Level Troubleshooting

- Notes:** 1. If a picture does not appear, fully rotate the brightness and contrast controls clockwise and reinspect.
2. Check the following circuits.
- No raster appears: Power circuit, Horizontal output circuit, H/V control circuit, and H/V output circuit.
 - High voltage develops but no raster appears: Video output circuits.
 - High voltage does not develop: Horizontal output circuits.

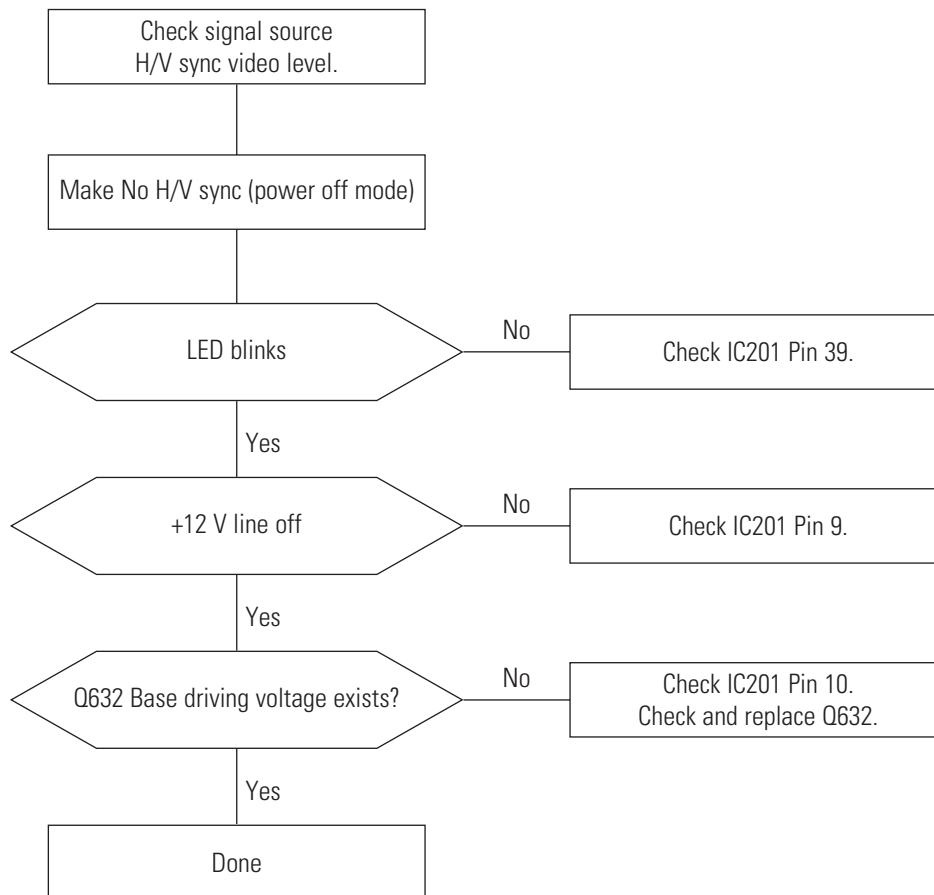
5-1-1 No Power Supply



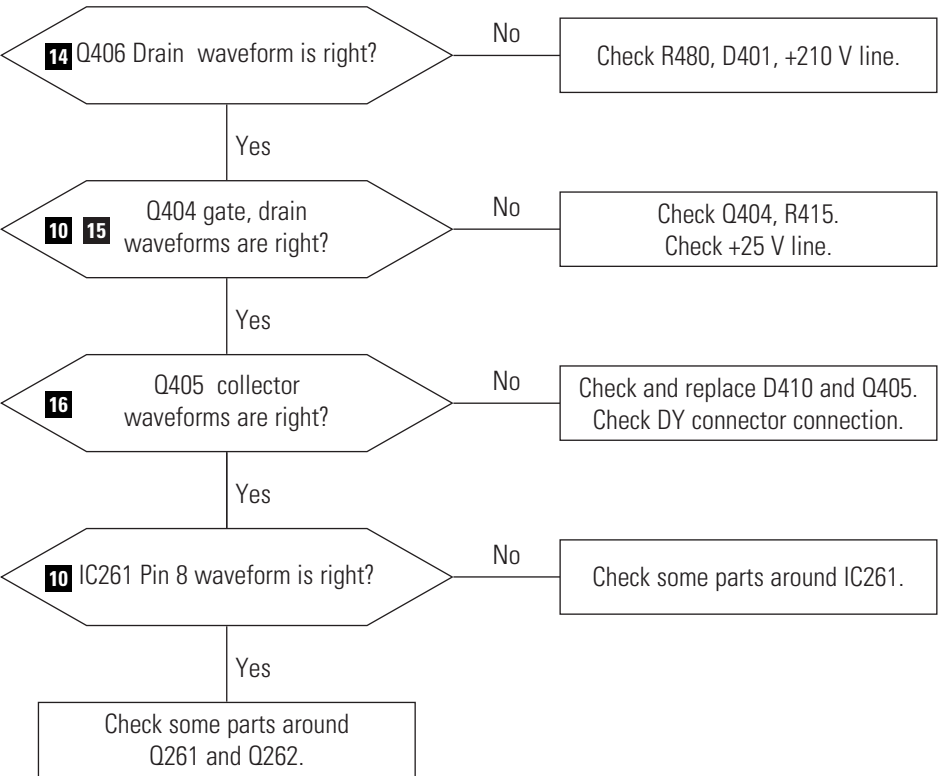
WAVEFORMS



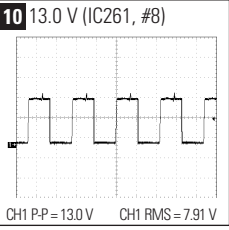
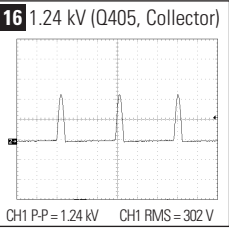
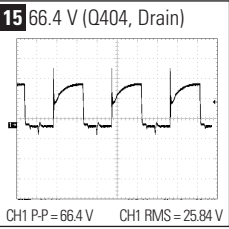
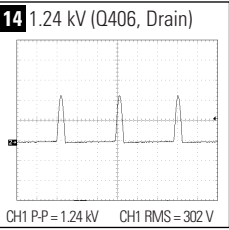
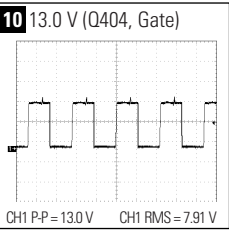
5-1-2 DPMS Failure

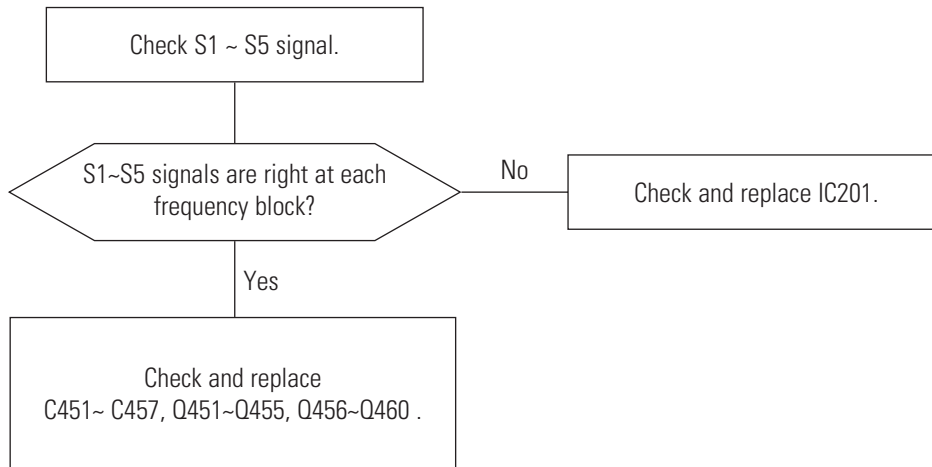
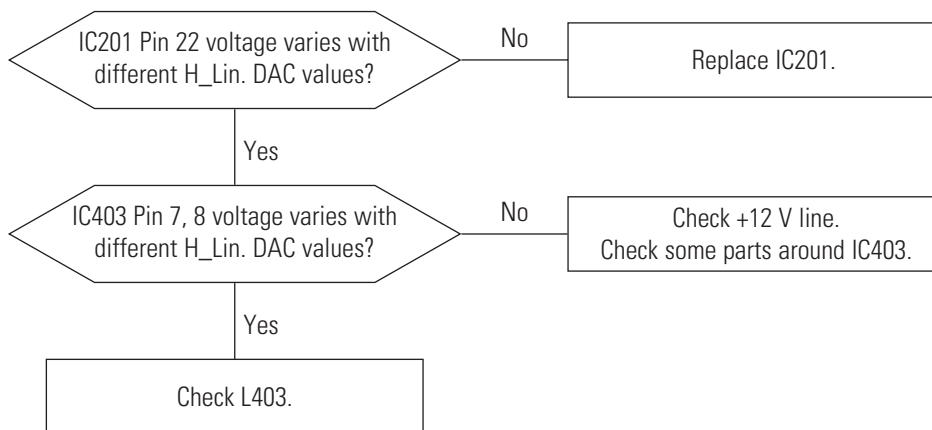
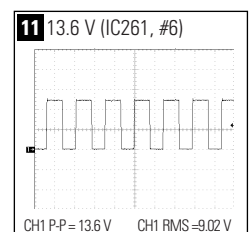
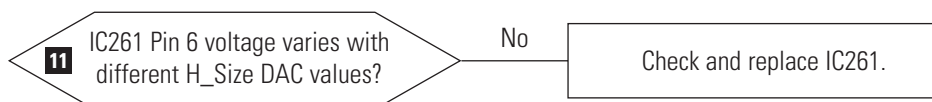


5-1-3 H_Deflection Failure

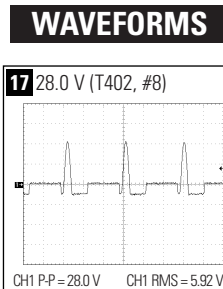
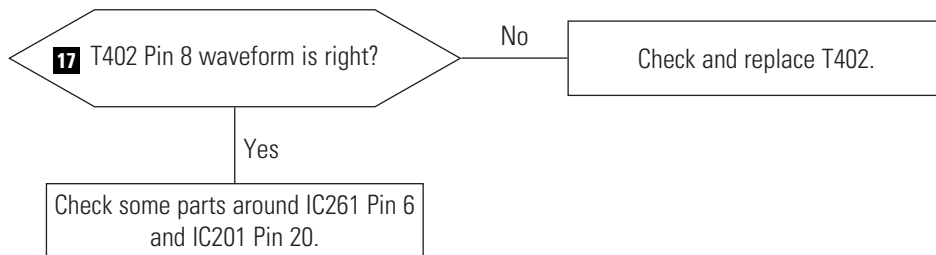


WAVEFORMS

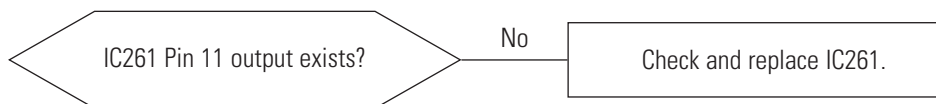


5-1-4 S Correction Failure**5-1-5 H_Lin. Failure****5-1-6 Invariable H_Size**

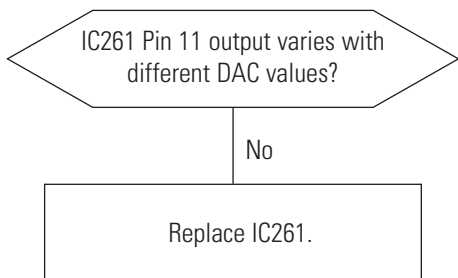
5-1-7 Abnormal H_Size

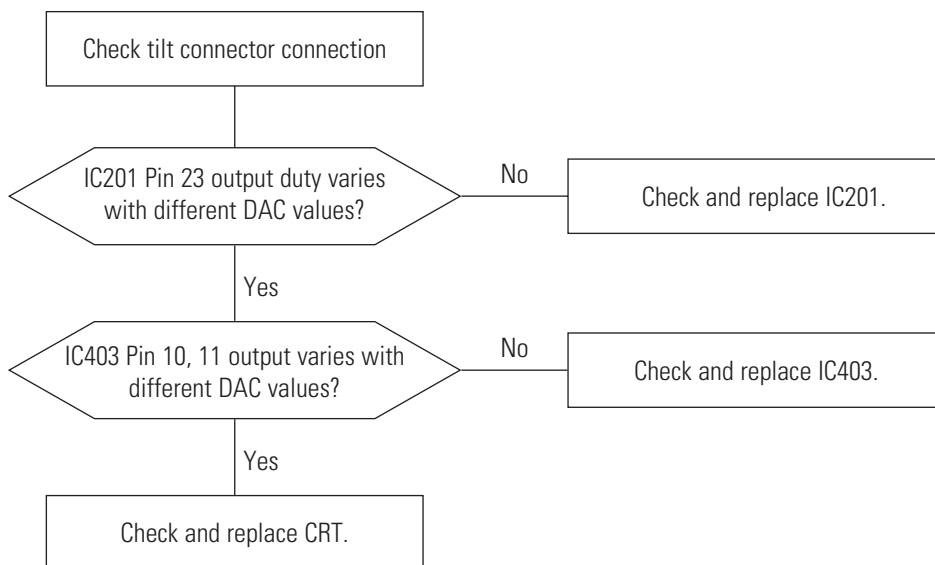
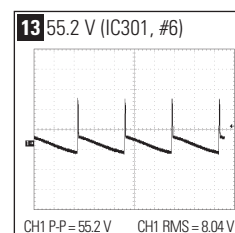
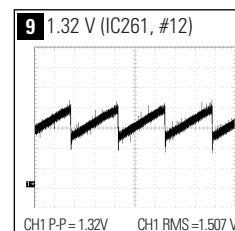
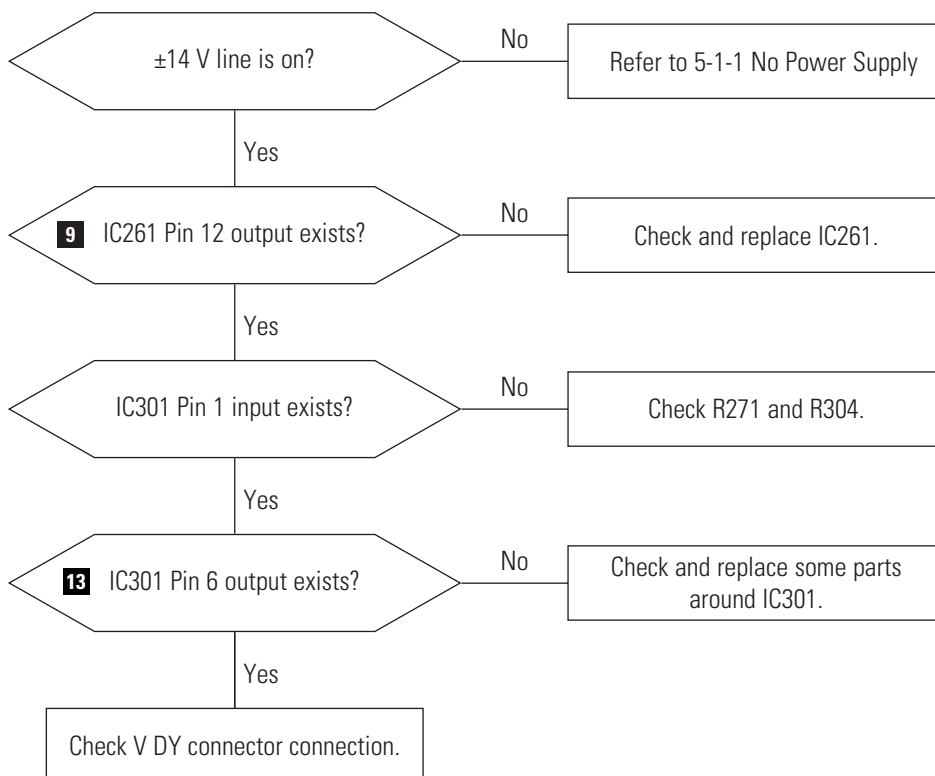


5-1-8 Side Pin or Trap Failure

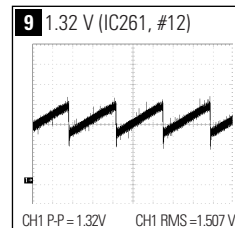
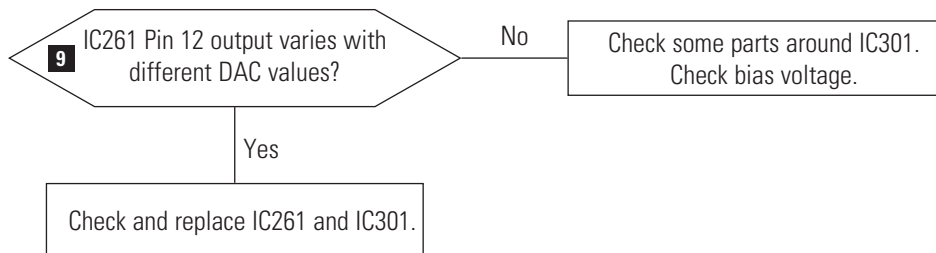


5-1-9 Para. or Pin Balance Failure

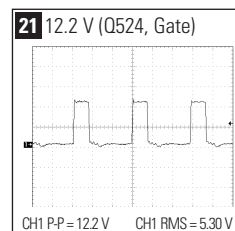
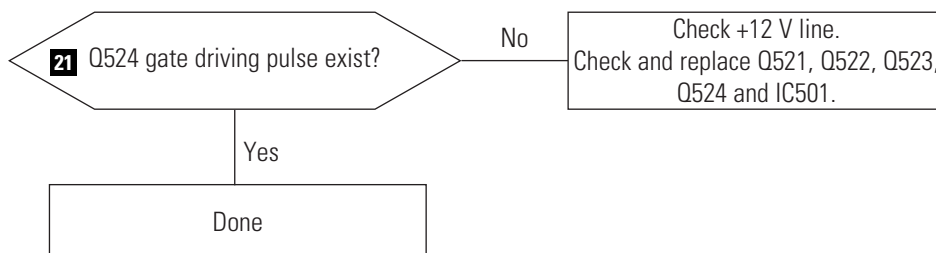


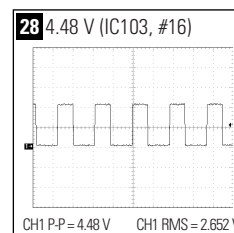
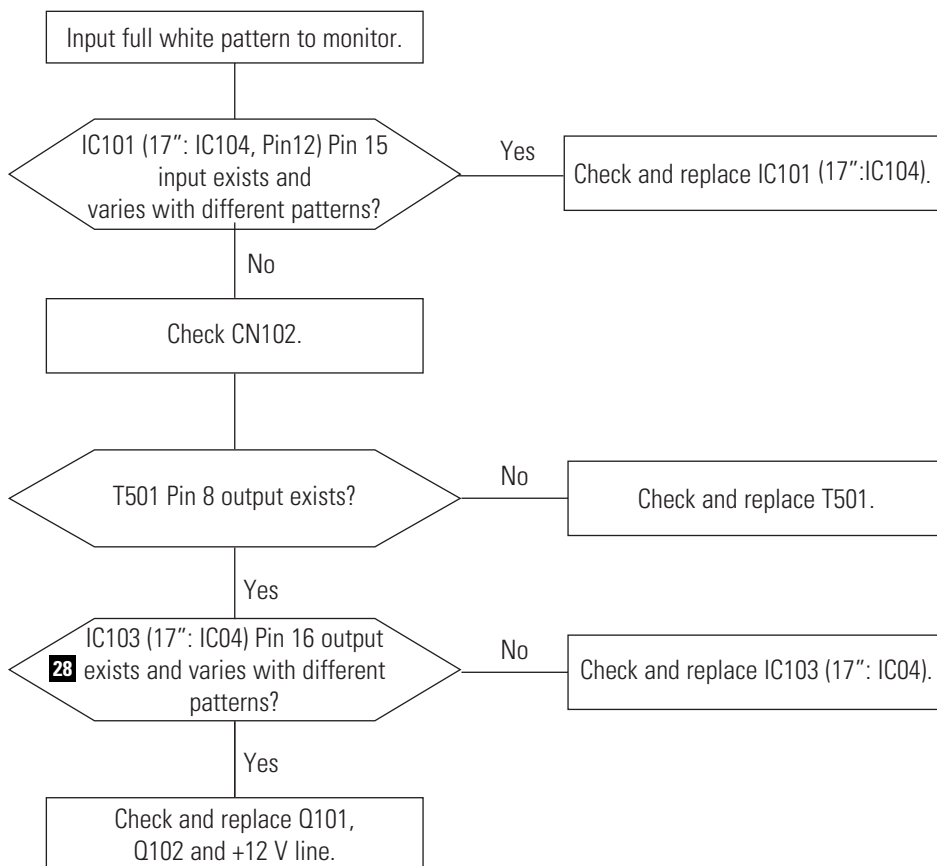
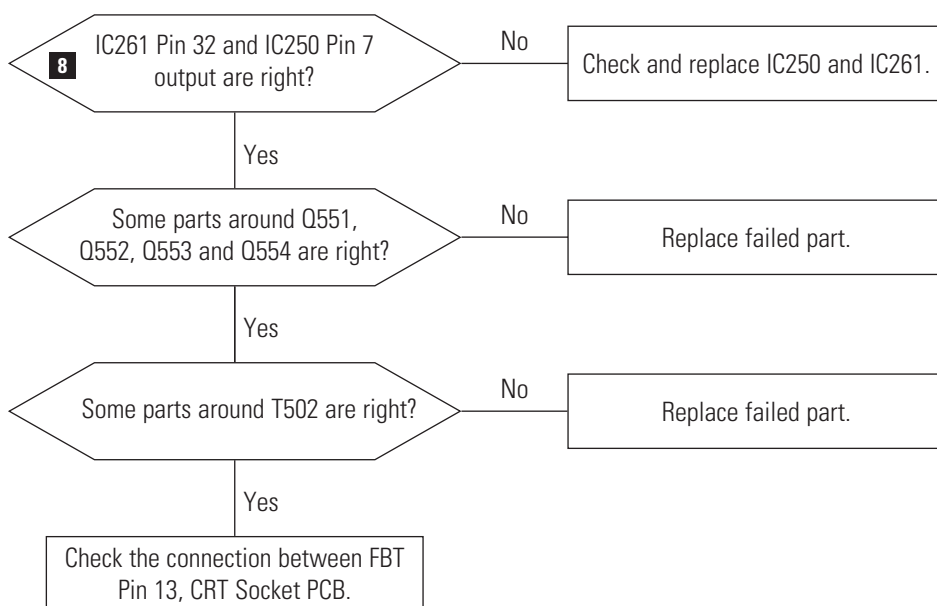
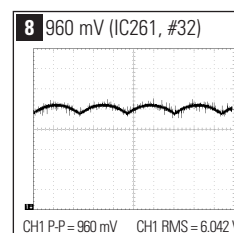
5-1-10 Tilt Failure**5-1-11 V Deflection Failure**

5-1-12 V Size or Pos. Variation Failure

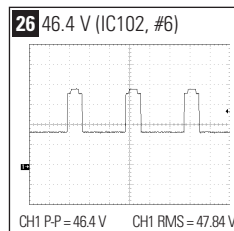
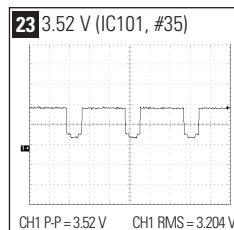
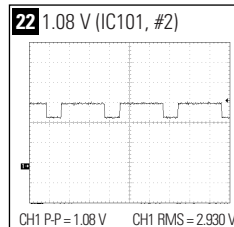
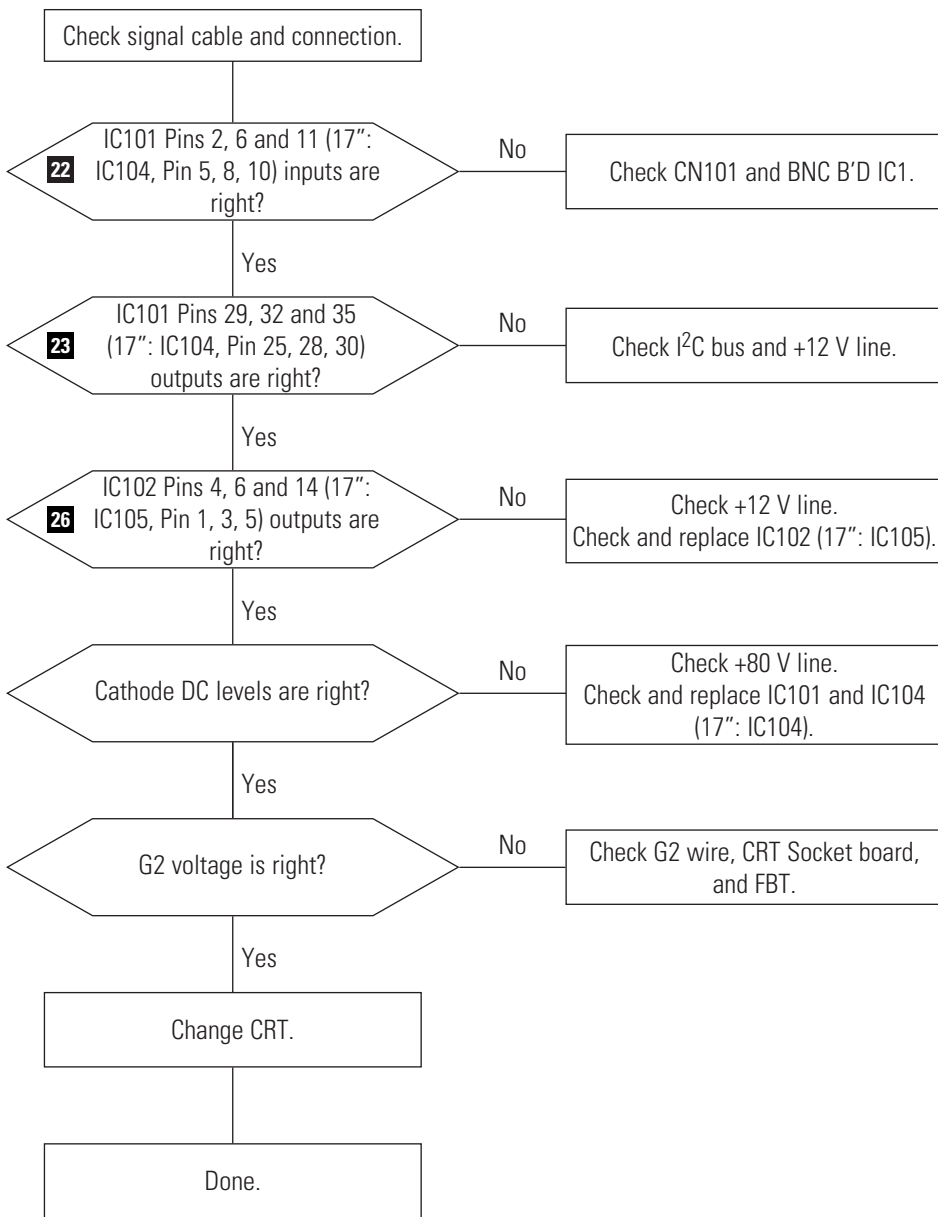


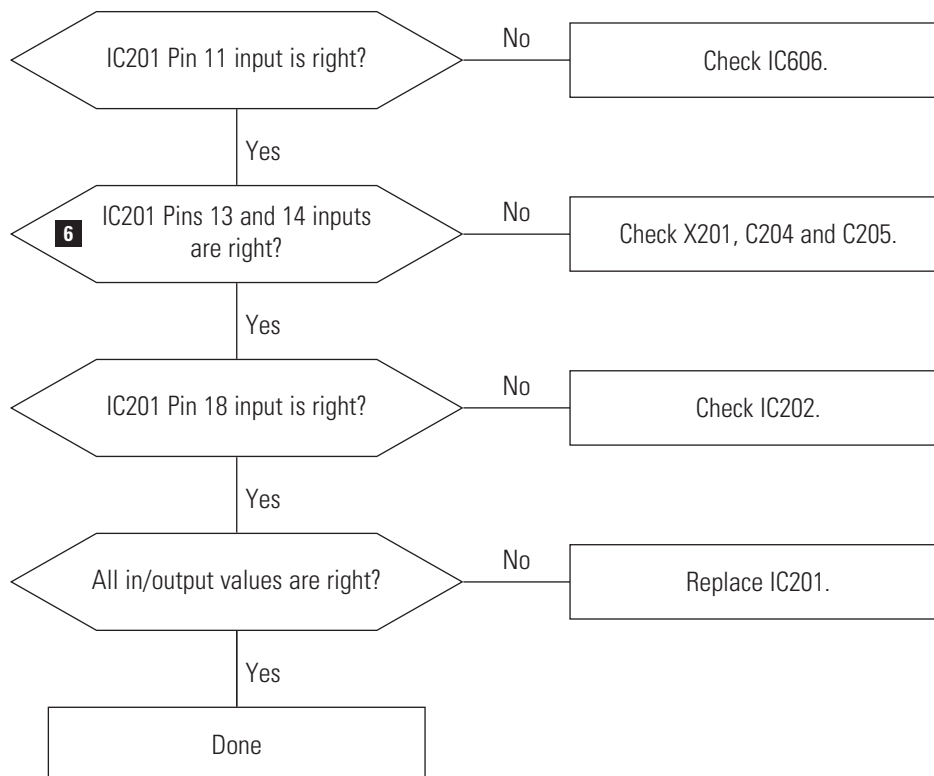
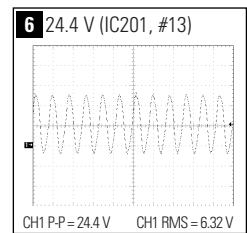
5-1-13 High Voltage Failure

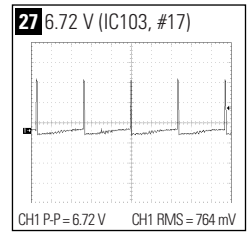
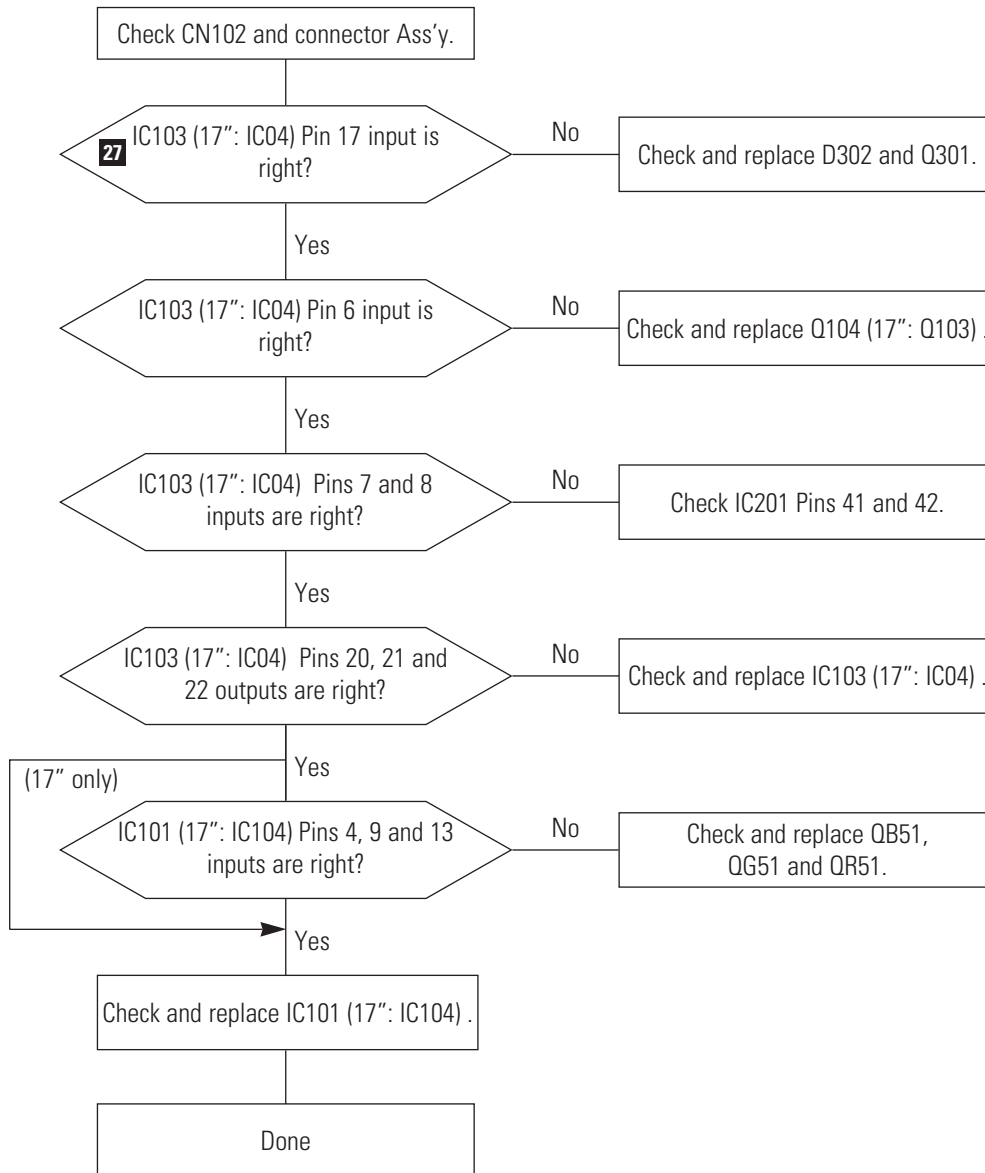


5-1-14 ABL Failure**5-1-15 Dynamic Focus Failure****WAVEFORMS**

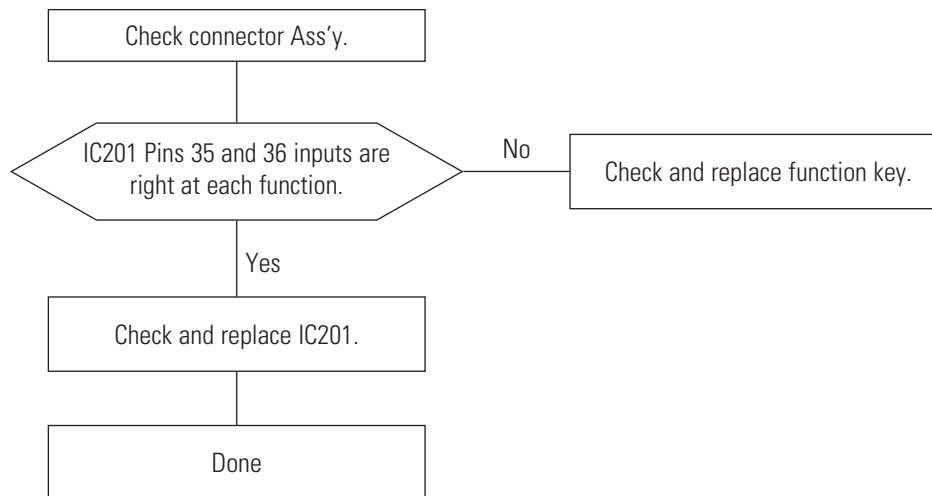
5-1-16 No Video



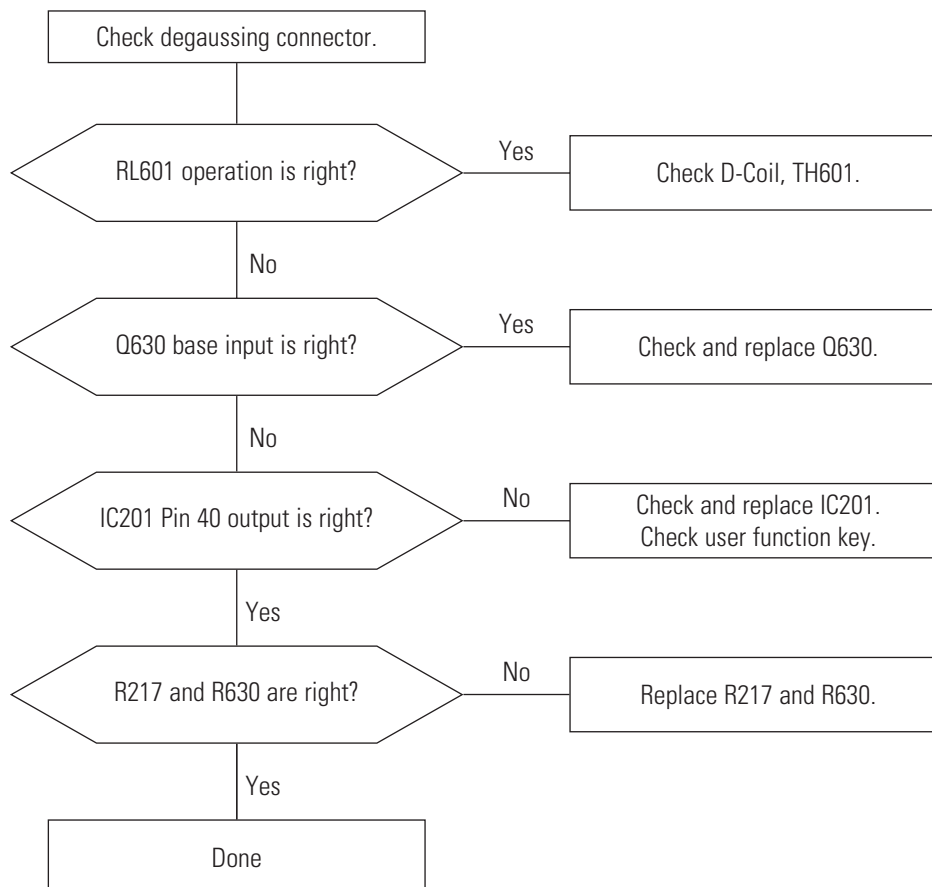
5-1-17 Micom Failure**WAVEFORMS**

5-1-18 OSD Failure

5-1-19 User Control Failure

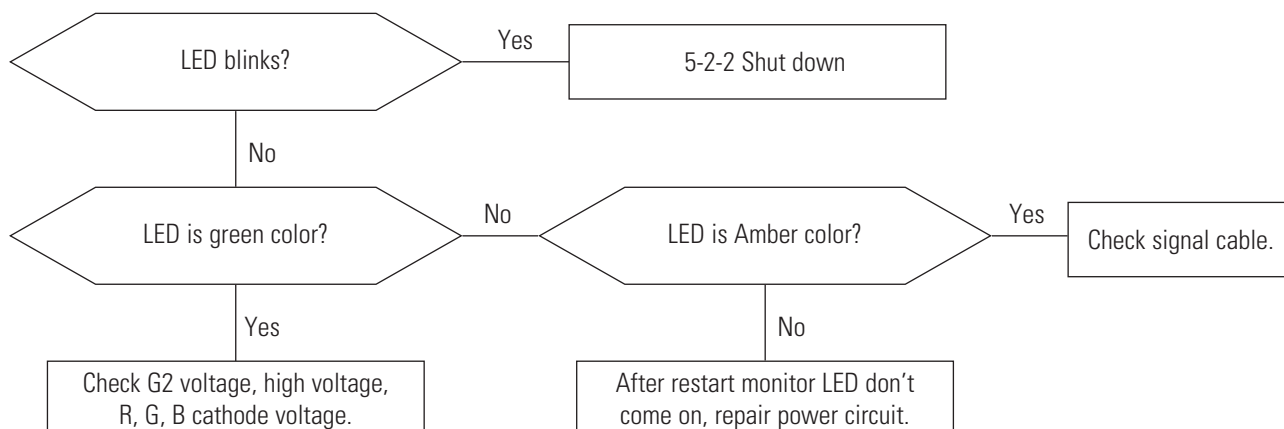


5-1-20 Degaussing Failure

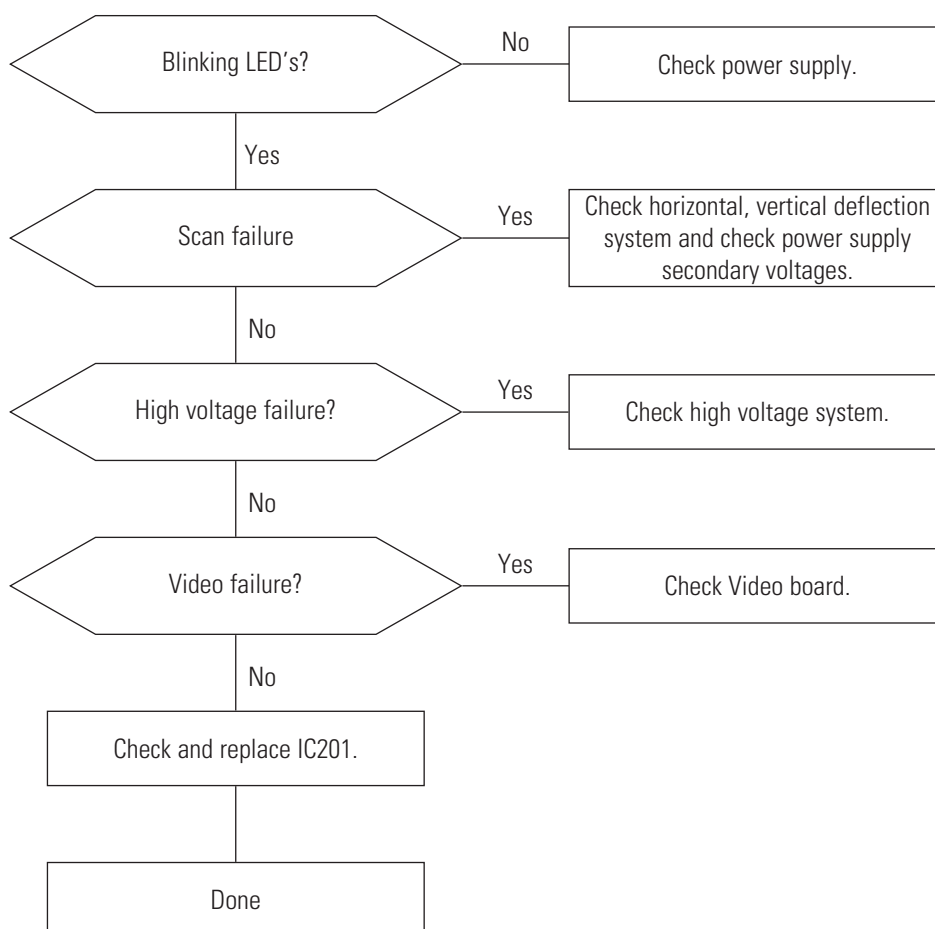


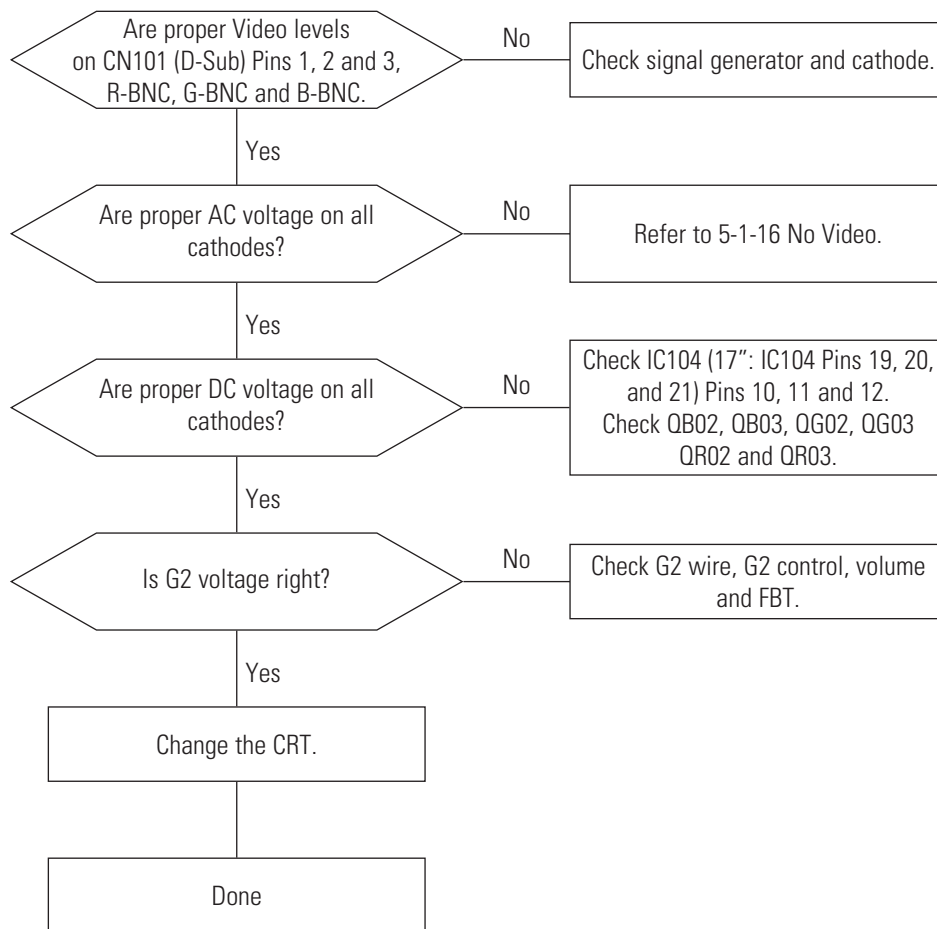
5-2 General Troubleshooting

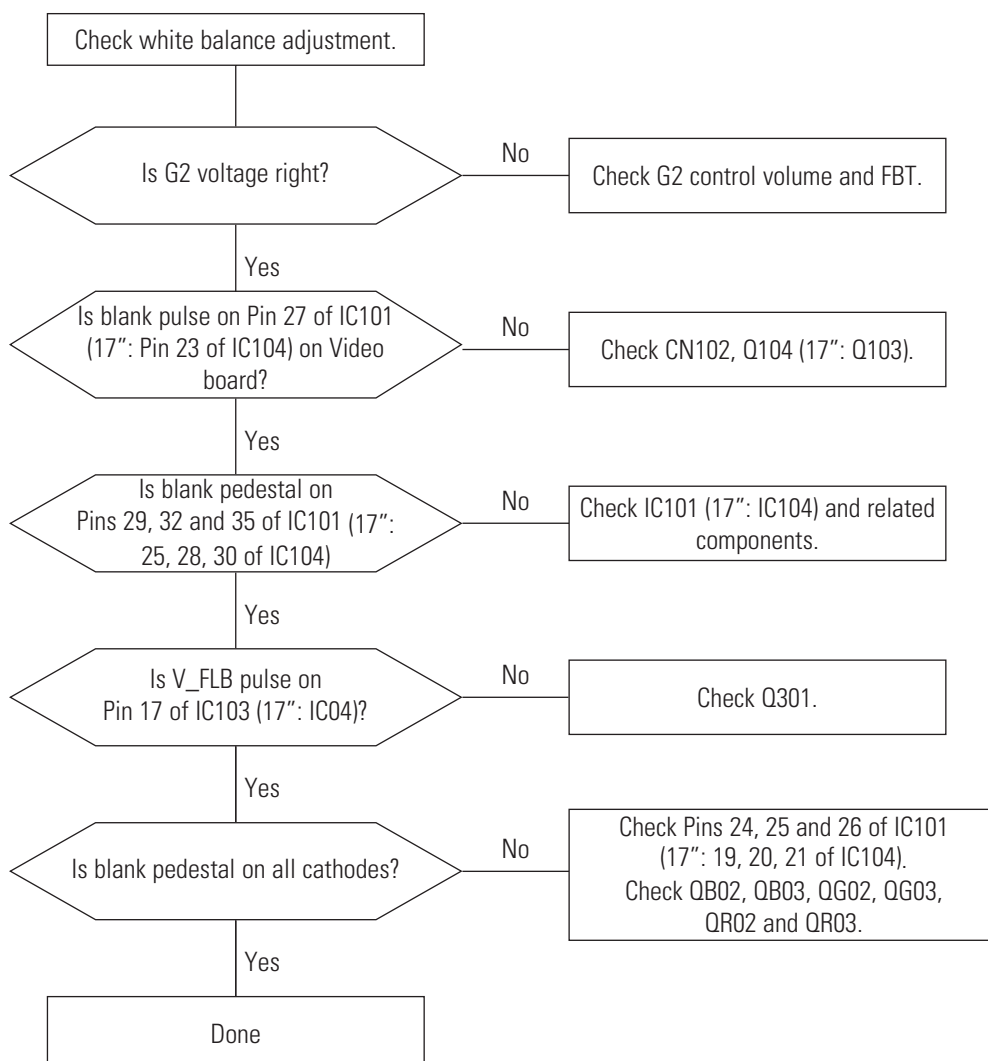
5-2-1 No Picture

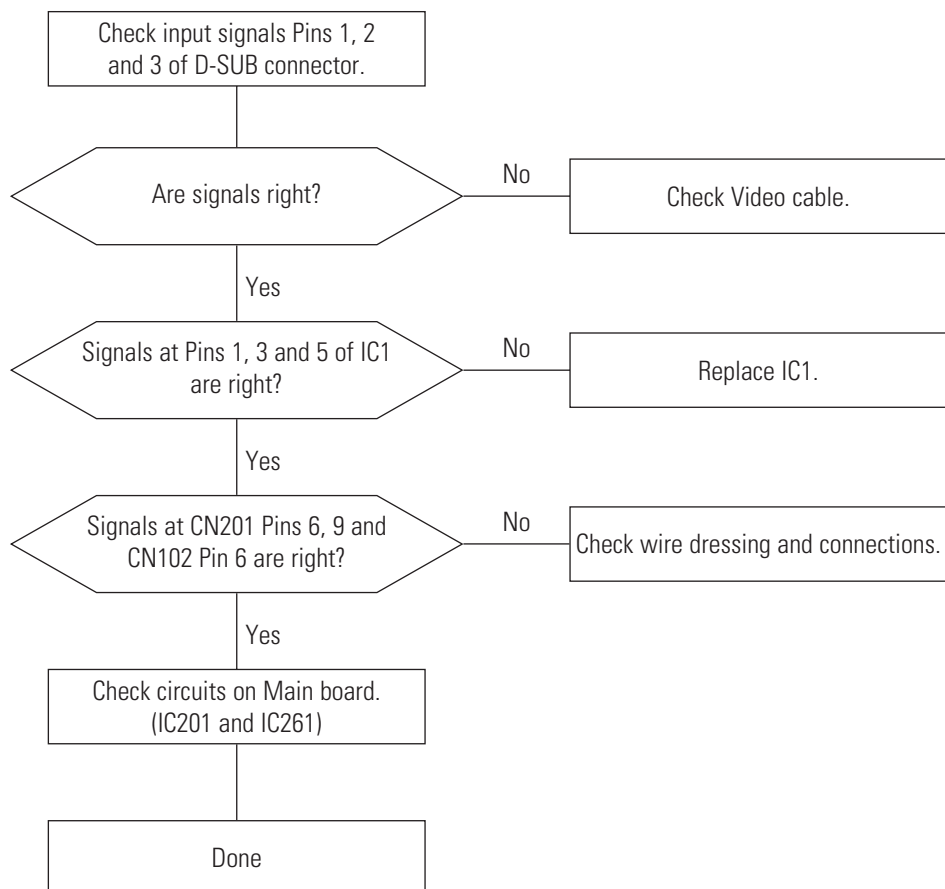


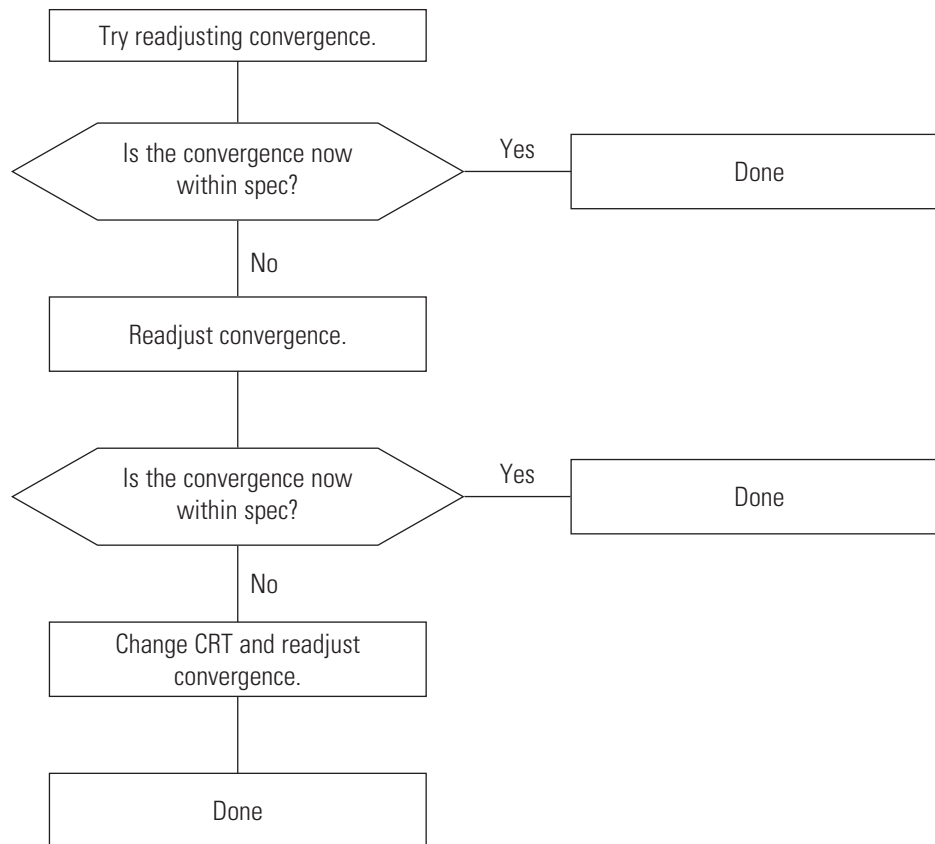
5-2-2 Shut Down



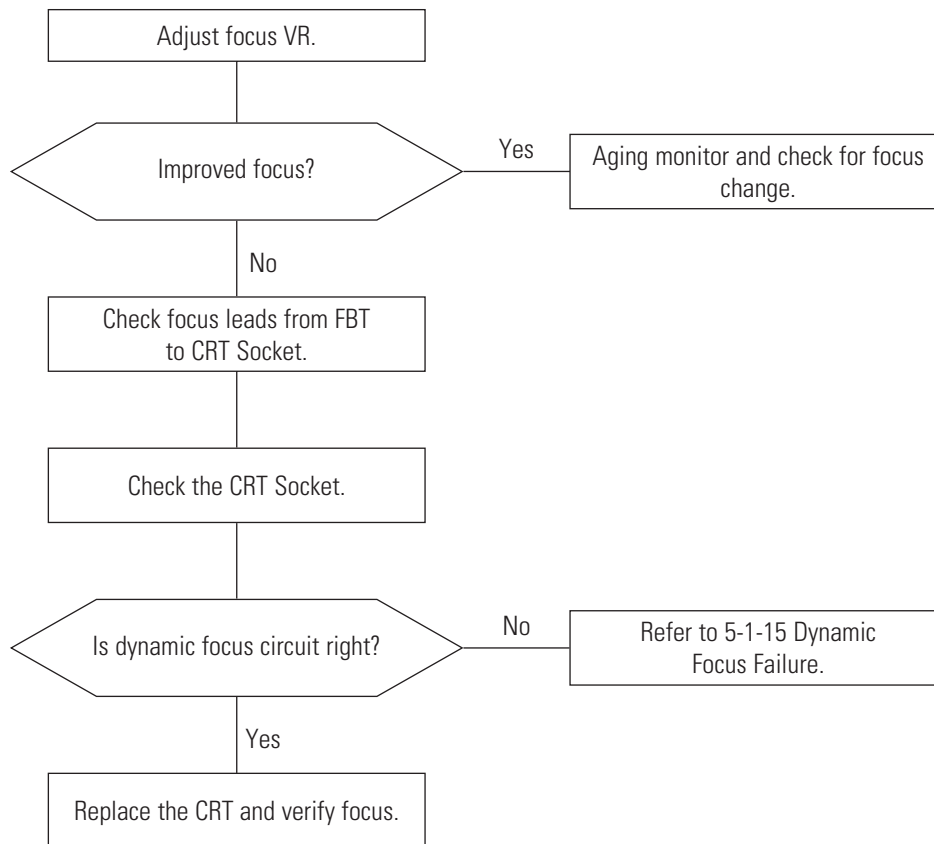
5-2-3 Missing Color

5-2-4 Visible Retrace

5-2-5 Unsynchronized Image

5-2-6 Misconvergence

5-2-7 Poor Focus



5-2-8 Purity Failure

