

PROBLEMS SHOOTING CHECK LIST

A. No Trace

(1) Is $\pm 12V$ correct?

Yes, test (2).

No, check power supply circuit such as ZD904, U901, U902, Q901, Q902, Q903, Q904 etc, or check are there any over load current occurring in the circuit.

(2) Is 5V correct?

Yes, test (3).

No, check the power supply circuits, are there any over load current occurring in the circuits.

(3) Is the high voltage correct?

Yes, test (4).

No, check convertor, U950, Q950, R959, HD950, HD951, R815, 816, R814, 812 and the blanking circuits.

(4) Pull out P303 to P401 connector. Check the final drive amplifier circuits, from Q401 to Q412.

B. Light Spot:

Test P601 are there sawtooth sweep?

Yes, check the horizontal medium amplifier circuits such as U601, Q605, Q603 Q604 etc. (PWB-045H)

No, check 003D such as Q701, U701 etc.

C. Half Trace: (PWB-003D)

Check the horizontal final drive amplifier circuits such as Q656, Q657, ... to Q661 etc. (PWB-045H)

D. Unstable trace:

Check 0V by adjust VR123 or chang U101 for CHA, adjust VR223 or change U201 for CHB.

E. Vertical Gain.

CHA: adjust VR334 or check R104, 106, VC102 to VC106.

CHB: adjust VR311 or check R204, 206, VC202 to VC206.