

U2000 - Standard RES

TROUBLE SHOOTING REFERENCE GUIDE

Power Supply Problem?	High Voltage Shutdown	Field Retrofit
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Monitor Update Time Crisis - see K7400

POWER SUPPLY PROBLEM?

When troubleshooting problems where it is not clear if the power supply is at fault, it can be isolated from the rest of the board. There is a bare wire jumper at the output of the power supply in location W156. Lift the end of the jumper that is connected to R100. Connect a 60W or 75W light bulb between the jumper and ground. Apply AC Power to the board and see if the light bulb lights up and stays lit. If the light bulb stays lit then the power supply is working and the problem is on the deflection side of the board.

MONITOR SHUTS DOWN

Check D711, Z701, C713, and C730. Replace if they are defective. If monitor still shuts down, then check C107 and C115 and replace if defective. When these filter capacitors are defective that causes the B+ voltage to increase which increases the high voltage and activates the shut down circuit.

U2000 FIELD RETROFIT

For a U2000 monitor with an RCA/WG picture tube the chassis can be replaced by the K7400 chassis prep for the 55H (054A7401-001).

The U2000s that have a Rauland picture tube need the standard K7400 chassis from the 25G (054A7401-001) and the yoke (009A2988-001).

The older U2000 with the high transmission glass needs the K7400 standard chassis from the 25G (054A7401-001) and the yoke (009A2988-001).

Note: Convergence may not be optimum due to the change in the gun structure going from a high light output to a dark glass picture tube.