
5 Disassembly and Reassembly

This section of the service manual describes the disassembly and reassembly procedures for the CKG7507L monitor.

WARNING: This monitor contains electrostatically sensitive devices. Use caution when handling these components.

5-1 Disassembly

Cautions: 1. Disconnect the monitor from the power source before disassembly.

2. Follow these directions carefully; never use metal instruments to pry apart the cabinet.

5-1-1 Cabinet Disassembly

1. With a pad beneath it, stand the monitor on its front with the screen facing downward and the base close to you. Make sure nothing will damage the screen.
2. Working from the back of the monitor, remove the 4 screws and carefully pull the rear cabinet up and off the monitor.
3. Remove the 4 screws on the Bottom Cover and pull it upward to remove it.
4. Remove the 16 screws on the Top Shield and remove it.
5. Using pinch-nosed pliers or long-nosed pliers, carefully disconnect the Anode Cap from the CRT.

5-1-2 Removing the Video PCB

1. Follow steps 1 through 5 in "Cabinet Disassembly," above.
2. Disconnect connectors CN102, CN105 and CN106 on the Video PCB.
3. Remove both side screws on the lower edge of the Video PCB Ass'y and the screw on the signal connector and pull the assembly towards you to remove it.
4. Remove all screws on the Video PCB Ass'y and remove the Video Shield.
5. Lift out the Video PCB and place it on a flat, level surface that is protected from static electricity.

5-1-3 Removing the CRT Socket PCB

1. Follow steps 1 through 5 in "Cabinet Disassembly," and steps 1 through 5 in "Removing the Video PCB," above.
2. Disconnect connectors CN13 and CN14 on the CRT Socket PCB.
3. Lift off the CRT Socket PCB Ass'y.
4. Hold the CRT Socket PCB Ass'y while you lift the cap on the CRT Socket and pull out the two focus wires.

5-1-4 Removing the Main PCB

1. Follow steps 1 through 5 in "Cabinet Disassembly," steps 1 through 5 in "Removing the Video PCB," and steps 1 through 4 in "Removing the CRT Socket PCB," above.
2. Disconnect the Degaussing Coil at CN602 on the Main PCB.
3. Disconnect all easily accessible ground wires from the Main PCB and Bottom Chassis.
4. Disconnect the DY connector between the DY and the CN301, CN400, CN401 and CN402 connectors on the Main PCB.
5. Remove the 2 screws on the left and right sides of the PCB Bracket.
6. Carefully lift the Main PCB Ass'y.
7. Disconnect the CN201 on the Main PCB and LED connector CN702 on the LED PCB.
8. Remove the Power Shaft.
9. Remove the 6 screws on the top side of the Main PCB.
10. Remove the 2 screws on the Power Inlet Socket.
11. Lift the Main PCB and place it on a flat, level surface that is protected from static electricity.

5-1-5 CRT Ass'y Disassembly

1. Complete all previous steps.
2. Remove the 4 side screws 2 on the top and 1 on either side of the CRT and lift the CRT Unit Bracket.
3. Unhook the Degaussing Coil Assembly and lift it off the CRT.
4. Lift the CRT up and away from the Front Cover Assembly and place it on a padded surface.

 **Do not lift the CRT by the neck.**

Caution: If you will be returning this CRT to the monitor, be sure to place the CRT face down on a protective pad.

5-2 Reassembly

With the CRT facing downward on a protective pad, use the steps that follow to reassemble the monitor.

5-2-1 Replacing the CRT

1. Loop the CRT Ground Assembly around the back of the CRT and under the 4 corner, metal ears. Position the corner with the spring last.
2. With the Front Cover Assembly lying face down on a protective pad, position the CRT so that the corner metal ears fit properly in the Front Cover Assembly.
3. Replace the Degaussing Coil Assembly and secure the Coil with the plastic Degaussing Coil Holders.
4. Replace the Unit Bracket Ass'y.
5. Replace the 4 corner screws.
8. Replace the Degaussing Coil at CN602 on the Main PCB.
9. Replace the Anode Cap.

5-2-3 Replacing the CRT Socket PCB

1. Hold the CRT Socket PCB Ass'y while you lift the Cap on the CRT Socket and replace the two Focus wires.
2. Replace connectors CN13 and CN14 on the CRT Socket PCB.
3. Reconnect the CRT Socket on the CRT pins at the plug/Socket junction.

5-2-4 Replacing the Video PCB.

1. Position the Video Shield and replace all screws.
2. Replace both side screws on the lower edge of the Video PCB Ass'y and the screw on the signal connector.
3. Replace connectors CN102, CN105 and CN106 on the Video PCB.

5-2-2 Replacing the Main PCB

1. Stand the monitor on its front with the screen facing downward.
2. Replace the 6 screws on the top side of the Main PCB and the 2 screws on the power Inlet Socket.
3. Replace the Power Shaft.
4. Replace connector CN201 on the Main PCB and Led connector CN702 on the LED PCB.
5. Position the Main PCB Ass'y in the Front Cabinet and secure it on both sides with the screws between the Bottom Chassis and CRT Unit Bracket.
6. Replace the DY connector at the CN301, CN400, CN401 and CN402 connectors on the Main PCB.
7. Replace all easily accessible ground wires on the Main PCB and Bottom Chassis.

5-2-5 Cabinet Reassembly

1. Complete all previous steps.
2. Position the Top Shield and replace the 12 screws.
3. Replace the 4 screws on the Bottom Cover.
4. Position the Rear Cover making sure that the tabs along the front edge are properly snapped in place. Replace the 4 screws.
5. Set the monitor on its Base and make sure that the CRT faceplate was not scratched or otherwise damaged.