



NOAHTECH COMPUTER REPAIRING AND SERVICES

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LCD Monitor Repair

Topics Covered

Course Code LMR01
Course Length: 3 days

Day 1

9.00am - 10.45am	Overview of LCD Monitor circuits and how to read block and schematic diagram
10.45am - 11.00am	Tea Break
11.00am - 1.00pm	Explanation in full details how switch mode power supply, inverter, lamps, main board (AD board), driver/controller board and LCD panel works.
1.00pm - 2.00pm	Lunch Time
2.00pm - 2.30pm	How to understand the SMD coding in IC, resistor, transistor, diode and capacitor of a mainboard
2.30pm - 3.30pm	Understanding typical inverter IC part number and datasheet
3.30pm - 3.45pm	Tea Break
3.45pm - 4.30pm	How to cure stuck and dead pixel in LCD Monitors
4.30pm - 5.00pm	Questions/Answers

Day 2

9.00am - 10.45am	The importance of tools and test equipment in troubleshooting LCD Monitor
10.45am -11.00am	Tea Break
11.00am - 1.00pm	How to use the SMD Rework station to remove and resolder SMD IC, transistor, capacitor, diodes, resistor and inductor from the LCD main board
1.00pm-2.00pm	Lunch Time
2.00pm- 2.20pm	The importance of schottky diodes in LCD Monitor and how to test it and find replacement
2.20pm -3.30pm	Explanation of start circuit in LCD Monitor <ul style="list-style-type: none">• How to check backlight (lamps) if it working or faulty• How to check the brightness/dimming circuit
3.30pm-3.45pm	Tea Break
3.45pm- 4.45pm	How to check the high voltage transformer and enable circuit How to check the power and inverter board
4.45pm- 5.00pm	Questios/Answers

Day 3

9.00am- 9.45am	Understanding Oscilloscope
9.45am- 10.45am	How to use oscilloscope to troubleshoot all the major circuits in LCD Monitor such as the power supply, inverter, mainboard and driver controller board
10.45am-11.00am	Tea break
11.00am- 1.00pm	Continue with the oscilloscope troubleshooting on LCD Monitor boards
1.00pm-2.00pm	Lunch Time
2.00pm- 3.30pm	How to diagnose and begin to repair real problems in LCD Monitor such as no power, dim display, power blink, one vertical or horizontal line, rainbow colours, white raster and etc
3.30pm- 3.45pm	Tea Break
3.45pm- 4.45pm	Continue with the troubleshooting of real problems in LCD Monitor
4.45pm- 5.00pm	Questions/Answers and Presentation Certificate Of Attendance

For more information please contact us at

<http://www.noahtechronicstraining.com/contact-us>