

CHIPFIXMASTER INSTITUTE

LED/LCD TV REPAIRING COURSE

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BASIC ELECTRONIC & USE OF REPAIRING TOOLS

- Introduction of LED/LCD/CRT TV
- Identification of LED/LCD TV functions
- Identification of electronic components
- Differences between LED and LCD TVs
- Use of Multi-meter
- LED/LCD TV hot and cool testing
- Details of electronic components:
 - Resistor ,Capacitor
 - Diode
 - MOSFET
 - Transistor
 - Coil
 - IC/Chip
 - Crystal
 - Jumper
 - Fuse
 - Thermistor
 - IC/Chip
 - Pre-set
 - Switch
 - Speaker
- Use of Hot Gun Machine (SMD) and Soldering Iron Machine
- How to remove and fix faulty components from the board
- How to replace all types of jacks, ports, sockets, and connectors
- How to check faulty electronic components
- Block diagram of LED/LCD TV and Smart TV



- LED and LCD TV power circuit board details
- LED or LCD TV assembling & disassembling
- Main board testing of TV
- T-con board testing
- Power supply circuit testing & repairing solutions
- LCD and LED TV all voltage tracing
- LED/LCD TV screen testing and repair
- TV inverter and power circuit board problems
- LED repairing tools details
- BIOS update & flash with BIOS programmer
- LED TV remote function details
- How to check the logic card

FAULTS & REPAIRING SOLUTIONS

- How to test and repair black light problem?
- Led/lcd panel repair and testing tips.
- Led/lcd tv Dead problem solution step by step easily
- No sound problem solution
- Video fluctuation error solution
- Vertical line problem solution of screen
- Horizontal line problems solution of all types of LCD and LED
- No video and audio issue
- Repairing all types damage board of LCD and LED
- Solutions of hardware and software of lcd and led
- How to use and fix issue of universal board
- Shortcut and quick repairing tips
- Repairing concept of all types of TV with power supply & without power supply
- Black light failure issue on screen
- Tv repair with jumper on board
- Coulor issue of screen



- Hdmi port testing and its faults repairing
- Usb port testing and repairing solutions
- Audio jack testing and error solutions
- Video in and video out port testing and faults repairing
- Voltage testing issue on board like 12v, 5, 3.3v 2.5v, 1.2volts
- Auto power off problems of TV
- Video ok but no audio problem and solution
- Audio ok but no video on screen
- Cof related problems and repairing solutions
- White screen problem and repairing
- Led/lcd repair with schematics diagrams