6/11/2021 TestOut LabSim

## 3.4 Motherboard Troubleshooting

As you study this section, answer the following questions:

- What are the symptoms of system power problems? How do you troubleshoot system power problems?
- How do you interpret BIOS/UEFI error codes generated during POST?
- What are the symptoms of system overheating? How do you troubleshoot overheating issues?
- What are the symptoms of internal and external device failures? How do you troubleshoot internal and external device failures?

In this section, you will learn to:

Troubleshoot system power issues

Key terms for this section include the following:

Term	Definition
Distended capacitors	Over time, the capacitors on the motherboard may become overstressed or overheated.
Overheating	When a computer's internal components generate heat that does not dissipate, harming the computer's functions and hardware.

This section helps you prepare for the following certification exam objectives:

Exam	Objective
TestOut PC Pro	4.1 Troubleshoot hardware components 4.1.2 Troubleshoot system power
CompTIA 220-1001	5.2 Given a scenario, troubleshoot problems related to motherboards, RAM, CPUs, and power.  Common symptoms Unexpected shutdowns System lockups POST code beeps Blank screen on bootup BlOS time and setting resets Attempts to boot to incorrect device Continuous reboots No power Overheating Loud noise Intermittent device failure Fans spin – no power to other devices Indicator lights Smoke

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