

Lab Report

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## Your Performance

Your Score: 1 of 1 (100%)

Elapsed Time: 7 minutes 24 seconds

Pass Status: Pass

Required Score: 100%

## Task Summary

Actions you were required to perform:

- ✓ Plug in the CPU fan connector

## Explanation

In this lab, your task is to diagnose and correct the problem.

Complete this lab as follows:

1. Verify the problem as follows:
  - a. Click the **power** button to start the computer.  
After Windows loads, you will see the computer shut down.
  - b. Click **OK** to close the message inside the lab.
  - c. Above the computer, select **Motherboard** to switch to the motherboard view of the computer to diagnose the problem.  
Can the processor start if there is no CPU installed?  
Would the computer start if the additional CPU power connector was not connected to the motherboard?
  - d. Select the **motherboard**.
  - e. Under Selected Component, identify the **socket type** of the motherboard.
  - f. In the Selected Component window, select **Details**.
  - g. Select the **Specifications** tab.
  - h. Read the **motherboard documentation** to identify additional requirements for the CPU.
    - i. Identify the **location** of the CPU fan connector.
    - j. Close the Motherboard Details window.
2. Under Partial Connections on the Workspace, select the **heat sink and fan**.
3. Under Selected Component, select **Details** for the heat sink and fan combination supported by the motherboard.
4. Select **Bottom** to view the bottom of the processor.  
Why is thermal paste not needed in this case?
5. Close the Heat Sink and Fan Details window.
6. In the Selected Component window, verify that the **CPU fan cable** is not connected.
7. Drag the **fan power connector** to the location on the motherboard.
8. Above the computer, select **Front** to switch to the front view of the computer.
9. Click the **power** button to start the computer.
10. After Windows loads, verify that the system works without crashing.

In this lab, the motherboard has a CPU overheating protection feature. The motherboard shuts off the computer when the CPU temperature reaches a high level.