Lab Report

Your Performance

Your Score: 0 of 3 (0%)

Elapsed Time: 8 seconds

Pass Status: Not Passed

Required Score: 100%

Task Summary

Actions you were required to perform:

❌ Plug in the main motherboard power connector (20+4 pin)

❌ Replace the failed memory module

❌ Boot into Windows

Explanation

In this lab, your task is to diagnose and correct the problems with this system.

- You know that you have successfully corrected all the problems when:
  - The computer recognizes all the components in the BIOS (including the correct amount of memory).
  - The computer boots into Windows.
  - All the drives are shown in Explorer.
- Replace any non-working parts with spare parts from the Shelf.
- Do not replace working parts with parts from the Shelf. The lab should end with all original working parts installed in the computer (except for the parts that do not work). If you remove any working parts as you troubleshoot, be sure to replace them in the computer before ending the lab.
- Place any unused parts back on the Shelf.

Complete this lab as follows:

1. Replicate the problem by turning on the computer.
2. Troubleshoot the causes of no power to the computer. In this lab, the 20+4-pin motherboard connector is not plugged into the motherboard.
3. After you correct the problem with the power connections, try booting the computer.
   Which three hardware components does the computer need before it can load the BIOS?
   Which component works if the computer can make a series of beeps?
4. Use components on the Shelf to identify and replace failed components that prevent the computer from booting. In this lab, replace the memory modules because they have failed.
5. Boot the computer into the BIOS.
6. Verify that all components are correctly detected.
   Is all of the installed memory detected?
7. Take actions to correct the problems you find. If necessary, use spare parts from the Shelf.
8. After you correct the problems, boot into Windows.

9. Verify that the hard disk drives are recognized.

When you select a memory module or place it on the Shelf, the name of the module identifies its original position in the computer when the lab first starts. You can use this name to help differentiate between memory modules.