Lab Report

Your Performance

Your Score: 0 of 4 (0%) Pass Status: Not Passed
Elapsed Time: 14 seconds Required Score: 100%

Task Summary

Actions you were required to perform:

- ✘ Switch the power supply to 115 volts
- ✘ Add a CPU to the computer
- ✘ Replace the failed memory module
- ✘ Boot into Windows

Explanation

In this lab, your task is to diagnose and correct the problems on 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 those 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 possible reasons the computer is not receiving power. In this lab, the power supply voltage needs to switch to 115 volts.
3. After correcting the problem with the power supply, try booting the computer.
   What might cause the problem that you see?
   Which three hardware components does the computer need before it can load the BIOS?
4. Use components on the Shelf to identify and replace failed components that prevent the computer from booting. In this lab, add a CPU to the computer.
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. In this lab, replace the memory modules because they have failed.
8. After correcting the problems, boot into Windows.
9. Verify that the hard disk drive is recognized.