

Acer Aspire E5-575 Repair Log



Bradley Williams

Issue Description

- Laptop does not turn on.
 - Attempts to start result in a black screen followed by the system shutting off.
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Troubleshooting and Resolution Steps

Step 1: Initial Troubleshooting

1. Attempted Reseating Components

- Removed the bottom chassis of the laptop to access internal components.
- Reseated the **RAM module** to ensure proper connection.
- Reseated the **hard disk drive (HDD)** to rule out loose connections.



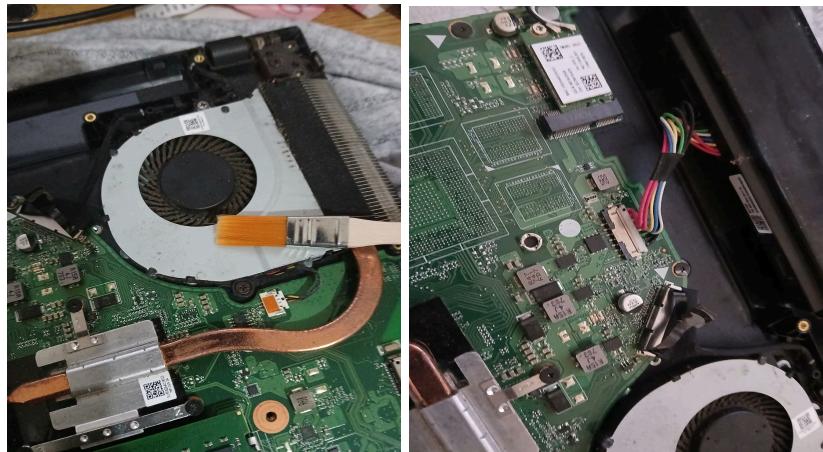
2. Restart Attempt

- After reseating the RAM and HDD, powered on the laptop.
 - The issue persisted: the laptop still failed to boot and shut off shortly after a black screen.
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Step 2: Testing Without Battery

1. Battery Removal

- Disassembled the laptop chassis to access the internal battery.
- Disconnected and removed the battery from the laptop.
- Cleaned the fan as well



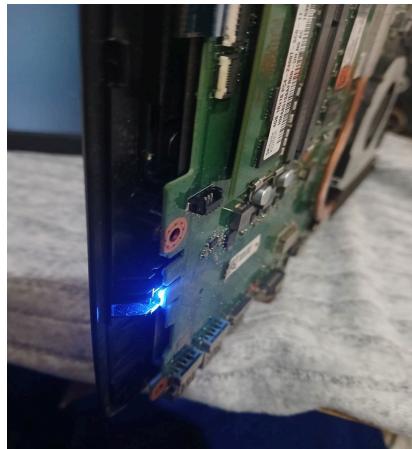
2. Attempted Boot Without Battery

- Connected the charger directly to the laptop (without the battery installed).
- Pressed the power button.
- Blue light comes on which indicates boot



3. Results

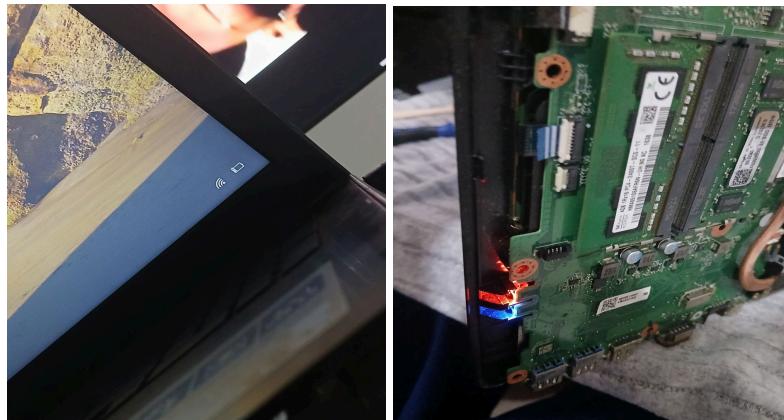
- Observed a **blue light indicator**, signaling that the device was attempting to boot.
- The screen displayed the boot screen successfully, confirming power and hardware functionality.



Step 4: Next Steps

1. Letting the Laptop Charge

- Left the laptop connected to the charger to ensure stable power before proceeding with further testing.
- Orange light which indicates charge



2. Planned Actions

- After sufficient charging time, the device will be fully rebuilt (battery reconnected, chassis reassembled).
- Post-rebuild, the device will be tested for stability and functionality with both battery and charger configurations.

Conclusion

- The issue appears related to either a malfunctioning or drained battery.
- Booting successfully without the battery confirms the laptop's core hardware is functional.
- The device charges after reassembly and boots normally.

