Part Replacement Instructions

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Computer part locations

1 Hard drive
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Before you begin

⚠️ **Warning:** To reduce the risk of electric shock and damage to the equipment, unplug the power cord and remove the battery before installing a replaceable part.

⚠️ **Caution:** Electrostatic discharge (ESD) can damage electronic components. Before beginning any procedure, be sure that you are discharged of static electricity by touching a grounded metal object.

1. Turn off the computer. Disconnect the power from the computer by unplugging the power cord from the AC outlet 1 and then unplugging the AC adapter from the computer 2. Also disconnect all external devices connected to the computer.

2. Turn the computer upside down on a flat surface. Slide the battery release latches 1 and 2, and then remove the battery 3.
1. Loosen the 2 captive cover screws.

2. Remove the cover.

3. Loosen the hard drive screw.

4. Pull the tab 1 to the left until the hard drive disconnects from the computer. Then remove the drive 2 by lifting it straight up.

5. Insert the replacement drive into the hard drive bay 1, and then pull the tab 2 to the right until the drive is securely seated.

6. Tighten the hard drive screw.

7. Replace the cover.

8. Tighten the cover screws.
1. Slide the release latch 1, and then remove the optical drive 2.

2. Insert the replacement drive, and then slide it into the computer until it is seated.
1. Loosen the 2 captive cover screws.

2. Remove the cover.

3. Spread the 2 retention clips until the memory module tilts up at a 45-degree angle.

4. Remove the memory module from the computer.

5. Align the notched edge of the replacement module with the tab in the memory module slot, and then press the module into the slot at a 45-degree angle until it is seated.

6. Press down on both sides of the memory module until the side retention clips snap back into place.

7. Replace the cover.

8. Tighten the screws.
1. Loosen the captive cover screw.

2. Remove the cover.

3. Disconnect the antenna cables (the number of cables varies, depending on model). Note the labeling and position of the cables.

4. Remove the 2 module screws. This releases the module to tilt up at a slight angle.

5. Remove the module.

6. Align the notched edge of the replacement module with the tab in the slot, and then press the module into the slot at a slight angle until it is seated.
7. Press the module down and reinstall the 2 screws.

8. Reconnect the antenna cables.

9. Replace the WLAN cover.

10. Tighten the WLAN cover screw.