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> parts-quick 8GB DDR3L 1600MHz SODIMM Memory Module Installation Guide for Toshiba Satellite P55t-B5207SL

parts-quick 8GB-DDR3L-PC3L-12800-LV-Toshiba-15643

parts-quick 8GB DDR3L 1600MHz SODIMM Memory Module Installation Guide

For Toshiba Satellite P55t-B5207SL

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your parts-quick 8GB DDR3L 1600MHz SODIMM memory module. This module is specifically designed for compatibility with the Toshiba Satellite P55t-B5207SL laptop model. Please read these instructions carefully before proceeding with installation.



Image: The parts-quick 8GB DDR3L 1600MHz SODIMM memory module. This image shows the physical appearance of the RAM stick, including its form factor and typical labeling.

SAFETY PRECAUTIONS

Before beginning any hardware installation, it is crucial to follow these safety guidelines to prevent damage to your computer and personal injury:

- **Power Off:** Always power down your laptop completely and disconnect the AC adapter and battery before opening the chassis.
- **Anti-Static Measures:** Wear an anti-static wrist strap or frequently touch a grounded metal object (like an unpainted metal part of the computer chassis) to discharge static electricity. Static discharge can damage sensitive electronic components.
- **Handle with Care:** Hold the memory module by its edges, avoiding contact with the gold connector pins or the integrated circuits.
- **Work Area:** Perform the installation on a clean, stable, and well-lit surface.

SETUP AND INSTALLATION

Follow these steps to install the 8GB DDR3L SODIMM memory module into your Toshiba Satellite P55t-B5207SL laptop:

1. **Prepare the Laptop:** Ensure the laptop is powered off, unplugged from the AC adapter, and the battery is removed.
2. **Access Memory Slots:** Carefully open the laptop chassis to expose the memory slots. This usually involves removing a panel on the bottom of the laptop. Refer to your laptop's specific service manual for exact instructions on accessing the memory compartment.
3. **Locate Memory Slots:** Identify the available SODIMM memory slots. Your laptop may have one or two slots. If replacing an existing module, note its orientation.
4. **Remove Existing Module (if applicable):** If you are replacing an existing memory module, gently push apart the small metal clips on either side of the module. The module will pop up at an angle. You can then carefully slide it out of the slot.
5. **Insert New Module:** Align the notch on the new parts-quick 8GB DDR3L SODIMM module with the key in the memory slot. Insert the module at a 45-degree angle into the slot.
6. **Secure the Module:** Once fully seated at an angle, push the module down firmly until the metal clips on both sides snap into place, securing the module horizontally.
7. **Reassemble and Power On:** Carefully close the laptop chassis, reinsert the battery, and reconnect the AC adapter. Power on your laptop.

OPERATING INSTRUCTIONS

After successful installation, your Toshiba Satellite P55t-B5207SL laptop should automatically detect the new memory module. No additional software or drivers are typically required for standard memory operation.

- **Verify Installation:** To confirm the memory is recognized, access your operating system's system information (e.g., in Windows, right-click 'This PC' and select 'Properties'; in macOS, go to 'About This Mac'). You can also check the BIOS/UEFI settings during startup.
- **Performance:** The system will automatically utilize the installed memory for improved multitasking and application performance.

MAINTENANCE

Memory modules generally require minimal maintenance. However, following these general computer maintenance tips can help ensure optimal performance and longevity:

- **Keep Clean:** Periodically clean the interior of your laptop to prevent dust buildup, which can impede airflow and cause overheating. Use compressed air to gently remove dust from components and fans.
- **Avoid Physical Shock:** Protect your laptop from drops or impacts, which can dislodge components or cause damage.
- **Environmental Conditions:** Operate your laptop in a cool, dry environment, away from extreme temperatures and humidity.

TROUBLESHOOTING

If you encounter issues after installing the memory module, refer to the following troubleshooting steps:

- **System Does Not Boot:**
 - Ensure the memory module is fully seated in its slot and the clips are securely fastened.
 - Try re-seating the module by removing it and re-inserting it carefully.
 - If you have multiple modules, try booting with only one module at a time to identify a potentially faulty module or slot.
- **Incorrect Memory Capacity Detected:**
 - Verify the module is correctly seated.
 - Check your laptop's BIOS/UEFI settings to ensure the memory is recognized.
 - Confirm that your laptop model (Toshiba Satellite P55t-B5207SL) supports the total amount of RAM installed.
- **System Instability or Blue Screen Errors:**
 - Run a memory diagnostic tool (e.g., Windows Memory Diagnostic) to check for errors.
 - Ensure the module is compatible with your system's existing memory (if applicable) in terms of speed and voltage.

If these steps do not resolve the issue, please contact parts-quick technical support for further assistance.

SPECIFICATIONS

The following table details the technical specifications of the parts-quick 8GB DDR3L 1600MHz SODIMM memory module:

Specification	Value
Brand	parts-quick
Computer Memory Size	8 GB
RAM Memory Technology	DDR3L
Memory Speed	1600 MHz (PC3L-12800)

Specification	Value
Compatible Devices	Toshiba Satellite P55t-B5207SL (Laptop)
Voltage	1.35 Volts (Low Voltage)
Column Address Strobe Latency (CAS Latency)	CL11
Form Factor	204-pin SODIMM
Data Transfer Rate	1600 MHz
Additional Features	Halogen Free; ROHS Compliant
Manufacturer Part Number	8GB-DDR3L-PC3L-12800-LV-Toshiba-15643

Warranty and Support

Your parts-quick 8GB DDR3L 1600MHz SODIMM memory module is backed by a comprehensive warranty and dedicated technical support.

- Lifetime Warranty:** This memory module comes with a Lifetime Warranty, ensuring long-term reliability and peace of mind.
- Toll-Free Technical Support:** For any installation questions, troubleshooting assistance, or warranty claims, please utilize the provided Toll-Free Technical Support. Refer to your product packaging or the parts-quick official website for contact details.

Ask a Question About This Manual

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