

Compaq 313717-001

Compaq 313717-001 9.1GB SCSI Internal Hard Drive User Manual

Model: 313717-001

INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of your Compaq 313717-001 9.1GB SCSI Internal Hard Drive. Please read this manual thoroughly before proceeding with installation or use.



Figure 1: Compaq 313717-001 9.1GB SCSI Internal Hard Drive. This image displays the internal components, including the data platter and the read/write head assembly, with the top cover removed.

Safety Information

Observe the following safety precautions to prevent damage to the drive or personal injury:

- Always handle the hard drive by its edges to avoid touching the circuit board or connectors.
- Ensure proper grounding to prevent electrostatic discharge (ESD) damage.
- Do not open the drive enclosure. Doing so will void the warranty and expose sensitive internal components to dust and damage.
- Disconnect power from the computer before installing or removing the hard drive.

Specifications

Key technical specifications for the Compaq 313717-001 hard drive:

Feature	Specification
Model Number	313717-001
Brand	Compaq
Storage Capacity	9.1 GB
Interface	SCSI
Form Factor	3.5 Inches
Rotational Speed	10000 RPM
Installation Type	Internal Hard Drive
Compatible Devices	Desktop
Item Weight	4 Pounds

Setup and Installation

Follow these steps to properly install the Compaq 313717-001 SCSI hard drive into your desktop computer:

1. Prepare Your System:

Before beginning, ensure your computer is powered off and unplugged from the electrical outlet. Open the computer case according to your system's manufacturer instructions. Wear an anti-static wrist strap to prevent ESD damage.

2. Locate an Available Drive Bay:

Identify an empty 3.5-inch drive bay within your computer case. Some cases may require a drive cage or adapter.

3. Mount the Hard Drive:

Carefully slide the hard drive into the chosen drive bay. Secure it using screws provided with your computer case or the hard drive mounting kit. Ensure the drive is firmly seated to prevent vibration.

4. **Connect SCSI Cable:**

Connect one end of a SCSI data cable to the SCSI interface port on the hard drive. Connect the other end to an available SCSI controller card or motherboard SCSI port. Ensure the cable is correctly oriented (pin 1 to pin 1).

5. **Connect Power Cable:**

Connect a power cable from your computer's power supply unit (PSU) to the power connector on the hard drive. Ensure a secure connection.

6. **Set SCSI ID and Termination:**

If your SCSI setup requires manual ID configuration, set a unique SCSI ID for the drive using jumpers on the drive's circuit board. Consult your SCSI controller documentation for proper termination settings. The last device on a SCSI chain must be terminated.

7. **Close Case and Power On:**

Once all connections are secure, close your computer case. Reconnect the power cord and power on your computer.

8. **Initialize and Format (Operating System):**

After booting, access your operating system's disk management utility to initialize and format the new hard drive before use. Refer to your operating system's documentation for specific instructions.

OPERATION

Once installed and formatted, the Compaq 313717-001 hard drive operates as a standard storage device within your computer system. Data can be read from and written to the drive through your operating system.

- **Data Storage:** Use the drive to store operating system files, applications, documents, and other digital data.
- **Performance:** The 10000 RPM rotational speed provides fast data access for demanding applications and system operations.
- **Compatibility:** Ensure your system's SCSI controller and operating system drivers are up-to-date for optimal performance and compatibility.

MAINTENANCE

Proper maintenance helps ensure the longevity and reliability of your hard drive:

- **Regular Backups:** Regularly back up important data to another storage device to prevent data loss in case of drive failure.
- **System Cooling:** Ensure adequate airflow within your computer case to prevent the hard drive from overheating. High temperatures can reduce drive lifespan.
- **Disk Defragmentation (if applicable):** For older file systems, periodic defragmentation can improve performance. Modern operating systems and file systems often manage this automatically.
- **Avoid Physical Shocks:** Hard drives are sensitive to physical shocks. Avoid moving or bumping the computer while it is operating.

TROUBLESHOOTING

If you encounter issues with your Compaq 313717-001 hard drive, consider the following troubleshooting

steps:

- **Drive Not Detected:**

- Check all power and SCSI data cable connections. Ensure they are secure.
- Verify the SCSI ID is unique and termination is correctly set for the SCSI chain.
- Ensure the SCSI controller card is properly seated and its drivers are installed.
- Check the system's BIOS/UEFI settings to confirm the SCSI controller is enabled and detecting devices.

- **Slow Performance:**

- Check for excessive background processes or applications consuming system resources.
- Ensure adequate system cooling to prevent thermal throttling.
- Run disk diagnostic tools to check for bad sectors or other drive health issues.

- **Unusual Noises:**

Clicking, grinding, or loud whirring noises can indicate a failing drive. Immediately back up any critical data and consider replacing the drive.

- **Data Corruption:**

If data corruption occurs, run disk error checking utilities. Ensure your operating system and drivers are stable and up-to-date.

If these steps do not resolve the issue, contact a qualified computer technician or Compaq support for further assistance.







WARRANTY INFORMATION

Specific warranty terms for the Compaq 313717-001 hard drive are typically provided at the point of purchase or with the original product packaging. Please refer to your purchase documentation for details regarding warranty duration and coverage. Opening the drive enclosure will void the warranty.

SUPPORT

For technical support or additional information, please visit the official Compaq support website or contact their customer service. Keep your product model number (313717-001) readily available when seeking support.

You can often find support resources, drivers, and FAQs on the [Compaq Store on Amazon](#) or the main Compaq website.

	<p>Compaq Presario 5000, 5100, 5200 Series Maintenance and Service Guide</p> <p>This maintenance and service guide provides comprehensive information for Compaq Presario 5000, 5100, and 5200 series personal computers. It covers product descriptions, troubleshooting steps, illustrated parts, detailed removal and replacement procedures, jumper and switch configurations, and technical specifications to aid in servicing and maintaining these Compaq desktop systems.</p>
	<p>Compaq Presario CQ58 HDD Replacement Guide</p> <p>A step-by-step guide to replacing or upgrading the Hard Disk Drive (HDD) in a Compaq Presario CQ58 laptop. Includes tools and parts needed.</p>
	<p>Compaq Portable III Personal Computer Operations Guide</p> <p>Comprehensive operations guide for the Compaq Portable III Personal Computer, detailing setup, system initialization, operation, maintenance, options, and warranty information. Learn to effectively operate and maintain your portable computing device.</p>
	<p>Compaq Evo™ Notebook N400c Series Hardware Guide</p> <p>User guide for the Compaq Evo™ Notebook N400c Series, covering hardware and software setup, component details, upgrades, external connections, and specifications. Part Number: 231967-001. Published April 2001.</p>
	<p>Compaq Evo N200 Series Maintenance and Service Guide</p> <p>Comprehensive maintenance and service guide for Compaq Evo N200 Series notebooks, covering troubleshooting, parts identification, removal/replacement procedures, and technical specifications.</p>
	<p>Compaq Portable 486c Maintenance and Service Guide</p> <p>Comprehensive guide for the Compaq Portable 486c Personal Computer, detailing specifications, troubleshooting, error codes, parts, and repair procedures.</p>