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For Gateway NV50A, NV51B, NV51M, NV55C, NV55S, NV57H Series Laptops

INTRODUCTION

Welcome to the user manual for the Gateway DC Jack Cable, part number 50.R4F02.004. This guide provides essential information for the proper installation, compatibility, and maintenance of your replacement DC power jack cable.

PRODUCT OVERVIEW

This is a genuine replacement DC power input jack socket cable designed for specific Gateway laptop models. It is rated for 65 Watt power adapters.

- **Part Number:** 50.R4F02.004 (also known as 50.RFD02.004)
- **Type:** DC Power In Jack Socket Cable
- **Wattage Rating:** 65 Watt



Description: A close-up image of the Gateway DC Jack Cable, showing the power jack connector on one end and the cable with a motherboard connector on the other. The cable is black and appears to be approximately 6-8 inches long.

COMPATIBILITY

This DC Jack Cable is compatible with the following Gateway laptop series:

- Gateway NV50A Series
- Gateway NV51B Series
- Gateway NV51M Series
- Gateway NV55C Series
- Gateway NV55S Series
- Gateway NV57H Series

Important: Always verify the part number and visually compare your existing DC jack cable with the product image before installation to ensure compatibility.

INSTALLATION GUIDE (SETUP)

Replacing a DC jack cable requires careful handling of internal laptop components. If you are not comfortable performing this procedure, it is recommended to seek assistance from a qualified technician.

1. Preparation:

Power off your laptop completely and disconnect it from the AC adapter. Remove the battery.

Place the laptop on a clean, static-free work surface.

Gather necessary tools, which typically include a small Phillips head screwdriver, a plastic spudger, and possibly tweezers.

2. **Disassembly:**

Carefully remove the back cover of your laptop. Refer to your specific laptop model's service manual for detailed disassembly instructions, as steps may vary.

Locate the existing DC jack cable. It is usually connected to the motherboard and extends to the power input port on the side of the laptop.

3. **Removal of Old Cable:**

Gently disconnect the old DC jack cable from the motherboard connector. Note its orientation.

Carefully unroute the cable and remove the DC jack from its housing in the laptop chassis.

4. **Installation of New Cable:**

Insert the new Gateway DC Jack Cable (50.R4F02.004) into its designated housing.

Route the cable carefully, ensuring it does not obstruct any moving parts or get pinched.

Connect the new cable securely to the motherboard connector, ensuring correct orientation.

5. **Reassembly:**

Carefully reassemble your laptop, ensuring all screws are tightened appropriately and no components are left loose.

Reinstall the battery and connect the AC adapter.

6. **Testing:**

Power on the laptop to confirm that it charges correctly and the DC jack functions as expected.

MAINTENANCE AND CARE

To ensure the longevity of your DC jack cable and prevent future issues:

- Avoid pulling the power adapter cord by the cable itself; always grasp the plug.
- Do not bend or twist the power adapter plug excessively while it is connected to the laptop.
- Keep the DC jack port free from dust and debris. Use compressed air if necessary.
- Ensure the power adapter is the correct wattage and voltage for your laptop.

TROUBLESHOOTING COMMON ISSUES

If you encounter problems after replacing the DC jack cable, consider the following:

Laptop not charging:

Ensure the AC adapter is fully plugged into both the wall outlet and the laptop's DC jack.

Verify that the AC adapter itself is functional (try with another compatible laptop if possible).

Check the connection of the DC jack cable to the motherboard; ensure it is seated correctly.

Inspect the new DC jack cable for any visible damage or bent pins.

Loose connection:

Confirm the DC jack is securely seated in its housing within the laptop chassis.

Ensure the power adapter plug fits snugly into the DC jack.

Laptop not powering on:

This could indicate a broader power issue. Ensure the battery is charged or try powering on with only the AC adapter connected (no battery).

If the laptop still does not power on, further diagnostics may be required, potentially involving other internal components.

If issues persist, consult a professional technician.

PRODUCT SPECIFICATIONS

Feature	Detail
Brand	Gateway
Part Number	50.R4F02.004
Alternate Part Number	50.RFD02.004
Compatible Wattage	65 Watt
Condition	New Genuine Replacement Part
Warranty	3 Months (from original seller)

WARRANTY INFORMATION

This Gateway DC Jack Cable (50.R4F02.004) typically comes with a **3-month warranty** from the original seller. Please retain your proof of purchase for warranty claims.

For technical support or warranty inquiries, please contact the vendor from whom you purchased this product.

For general laptop service information, you may visit the official Gateway support website: [Gateway Support](#)