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› Kam Kin DC-in Power Jack Replacement Manual for HP ProBook 430 G1/G3, 440 G1/G3, 450 G1/G3, 455 G1/G3, 470 G1/G3

Kam Kin 430 G1

Kam Kin DC-in Power Jack Replacement Manual

For HP ProBook 430 G1/G3, 440 G1/G3, 450 G1/G3, 455 G1/G3, 470 G1/G3 Series Laptops

1. IMPORTANT SAFETY INFORMATION

Please read all instructions carefully before attempting installation. Improper installation can damage your device or cause personal injury.

- **Power Disconnection:** Always ensure the laptop is completely powered off, the AC adapter is unplugged, and the battery is removed before beginning any repair work.
- **Static Electricity:** Take precautions against electrostatic discharge (ESD). Use an anti-static wrist strap or frequently touch a grounded metal object to discharge static electricity.
- **Tools:** Use appropriate tools for laptop disassembly to avoid stripping screws or damaging components.
- **Professional Assistance:** If you are unsure about any step, seek assistance from a qualified technician.

2. PACKAGE CONTENTS

Verify that all components are present and undamaged upon opening the package.

- 1 x DC-in Power Jack Harness Connector with Cable

3. COMPATIBILITY

This DC-in power jack is compatible with the following HP ProBook laptop models and part numbers:

- HP ProBook 430 G1, 430 G3
- HP ProBook 440 G1, 440 G3
- HP ProBook 450 G1, 450 G3

- HP ProBook 455 G1, 455 G3
- HP ProBook 470 G1, 470 G3

Compatible Part Numbers:

- 710431-FD1
- 710431-SD1
- 804187-S17
- 827039-001

Always verify the part number and visually compare your existing DC-in jack with the product images before installation to ensure compatibility.

4. INSTALLATION INSTRUCTIONS (SETUP)

4.1 Before You Begin

- Power off your HP ProBook completely.
- Unplug the AC power adapter from the laptop.
- Remove the laptop battery. Refer to your laptop's service manual for specific battery removal instructions.
- Prepare a clean, well-lit workspace.
- Gather necessary tools, which typically include small Phillips head screwdrivers and a plastic prying tool.

4.2 Step-by-Step Installation

1. **Disassemble the Laptop:** Carefully open the laptop casing to access the motherboard and the existing DC-in jack. This usually involves removing screws from the bottom cover and potentially detaching the keyboard or palm rest. Consult your specific HP ProBook model's service manual for detailed disassembly steps.
2. **Locate and Disconnect the Old DC-in Jack:** Identify the current DC-in power jack. It will be connected to the motherboard via a cable. Gently disconnect the cable from its connector on the motherboard.
3. **Remove the Old DC-in Jack:** The old jack may be secured with a screw or held in place by a bracket. Remove any fasteners and carefully lift out the old DC-in jack.
4. **Install the New DC-in Jack:** Position the new Kam Kin DC-in power jack in the same location as the old one. Ensure it sits correctly and secure it with any screws or brackets that were removed.
5. **Connect the New DC-in Jack Cable:** Carefully connect the cable of the new DC-in jack to the corresponding connector on the motherboard. Ensure the connection is firm and properly seated.
6. **Reassemble the Laptop:** Carefully reassemble your laptop, ensuring all cables are properly routed and all screws are tightened. Do not overtighten screws.



Image: The Kam Kin DC-in Power Jack with its attached cable, ready for installation. This image shows the connector end and the jack itself.

5. OPERATION

After successful installation and reassembly, reconnect the laptop battery and plug in the AC power adapter. The laptop should now receive power and charge the battery normally. Power on the laptop to confirm full functionality.

6. TROUBLESHOOTING

If you encounter issues after installation, consider the following:

- **No Power/Charging:**

- Ensure the AC adapter is working correctly and plugged into a live outlet.
- Verify that the DC-in jack cable is securely connected to the motherboard.
- Check for any visible damage to the new DC-in jack or its cable.

- **Intermittent Power:**

- This could indicate a loose connection. Re-check the cable connection to the motherboard.
- Ensure the AC adapter plug fits snugly into the new DC-in jack.

- **Laptop Not Turning On:**

- Confirm the battery is properly installed and charged, or try powering on with only the AC adapter connected (if applicable).

- Double-check all internal connections made during reassembly.

If problems persist, it is recommended to consult a professional laptop repair service.

7. SPECIFICATIONS

Feature	Detail
Product Name	DC-in Power Jack Harness Connector with Cable
Brand	Kam Kin
Compatible Models	HP ProBook 430 G1/G3, 440 G1/G3, 450 G1/G3, 455 G1/G3, 470 G1/G3
Compatible Part Numbers	710431-FD1, 710431-SD1, 804187-S17, 827039-001
Item Model Number	430 G1 (representative)
Package Dimensions	3.35 x 2.83 x 0.94 inches
Item Weight	0.563 ounces (0.02 Kilograms)
Color	Black

8. WARRANTY AND SUPPORT

For warranty information or technical support regarding this product, please contact the manufacturer, Kam Kin, directly through their official support channels. Keep your purchase receipt as proof of purchase.