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HQRP 884667402091204

HQRP Ni-MH Rechargeable Battery for Philips Norelco Shavers: Installation Guide

Model: 884667402091204

Introduction

This manual provides detailed instructions for replacing the HQRP Ni-MH rechargeable battery in compatible Philips Norelco shaver models. It covers the necessary steps for installation, safety precautions, and product specifications. Please read all instructions carefully before proceeding with the battery replacement.

Important Safety Information

WARNING: Battery replacement requires technical skill, including soldering. If you are not confident in your ability to perform these steps safely, it is highly recommended to seek assistance from a qualified specialist.

- Do not attempt to open or disassemble the battery pack.
- Do not crush, puncture, or short-circuit external contacts.
- Do not dispose of the battery in fire or water.
- Do not expose the battery to temperatures above 60°C (140°F).
- Replace only with the battery pack specifically designed for this product.
- Keep batteries out of reach of children.



Image: HQRP Ni-MH battery showing important warning labels regarding handling and disposal.

Compatibility

This HQRP rechargeable battery is compatible with the following Philips Norelco shaver models:

- Philips Norelco 4825XL
- Philips Norelco 4845XL
- Philips Norelco 4852XL
- Philips Norelco 4853XL
- Philips Norelco 4865X
- Philips Norelco 4865XL

Package Contents

Your HQRP battery package should contain the following items:

- 1x HQRP Ni-MH Rechargeable Battery
- 1x Screwdriver (for shaver disassembly)



Image: The HQRP Ni-MH rechargeable battery as packaged, alongside the included screwdriver.



Image: Close-up of the specialized screwdriver provided for opening the shaver casing.

Battery Installation (Setup)

Replacing the battery in your Philips Norelco shaver requires careful disassembly and soldering. Proceed with caution.

Tools Required (Not Included, except screwdriver):

- Small Phillips head screwdriver (if needed for internal components)
- Soldering iron and solder
- Desoldering wick or pump
- Pliers or tweezers
- Safety glasses

Installation Steps:

1. **Prepare Work Area:** Ensure you have a clean, well-lit, and static-free workspace. Gather all necessary tools.

2. **Disassemble Shaver:**
    - Using the provided screwdriver, carefully open the shaver casing. Refer to your specific shaver model's service manual or online guides for precise disassembly instructions, as procedures may vary.
    - Locate the existing battery pack inside the shaver.
3. **Desolder Old Battery:**
    - Identify the positive (+) and negative (-) terminals of the old battery connected to the shaver's circuit board.
    - Carefully desolder the old battery from the circuit board using a soldering iron and desoldering wick/pump. Exercise caution to avoid damaging the circuit board or other components.
    - Remove the old battery.
4. **Solder New Battery:**
    - Align the new HQRP Ni-MH battery, ensuring the positive (+) and negative (-) terminals match the corresponding points on the circuit board.
    - Carefully solder the new battery's tabs to the circuit board. Ensure strong, clean solder joints.



Image: The HQRP Ni-MH battery showing its pre-attached soldering tabs, ready for installation into the shaver's circuit board.

5. **Reassemble Shaver:**
    - Carefully reassemble the shaver casing, ensuring all components are correctly seated and connections are secure.
    - Tighten all screws.
6. **Initial Charge:** After reassembly, fully charge the shaver for the recommended duration as per your shaver's original manual before its first use.

Operating Instructions

Once the new battery is installed and fully charged, your Philips Norelco shaver should operate as intended. Refer to your shaver's original user manual for specific operating instructions, charging indicators, and usage recommendations.

- **Charging:** Connect your shaver to its charger. The charging indicator (if present on your shaver model) should activate. Allow the shaver to charge for the full duration specified in its original manual for optimal battery life.
- **Usage:** Use the shaver normally. The new Ni-MH battery offers 1200mAh capacity, providing extended runtime compared to original Ni-Cd batteries.

Care and Maintenance

To ensure the longevity and optimal performance of your HQRP Ni-MH battery, follow these care guidelines:

- **Regular Charging:** Charge the shaver regularly. Ni-MH batteries benefit from regular use and charging cycles.
- **Avoid Deep Discharge:** While Ni-MH batteries have a reduced "memory effect" compared to Ni-Cd, avoiding complete deep discharge before recharging can help maintain battery health.
- **Storage:** If storing the shaver for an extended period, ensure the battery is partially charged (around 50%) and store it in a cool, dry place. Avoid extreme temperatures.
- **Disposal:** When the battery eventually reaches the end of its life, dispose of it responsibly at a designated battery recycling facility. Do not dispose of it with household waste.

Troubleshooting

If you encounter issues after replacing the battery, consider the following:

Problem	Possible Cause	Solution
Shaver does not turn on after battery replacement.	Battery not properly connected or soldered. Battery not charged. Incorrect battery polarity.	Check solder joints for secure connection. Ensure correct positive/negative polarity. Fully charge the shaver.
Shaver does not charge.	Faulty charger. Poor battery connection. Shaver's charging circuit issue.	Test charger with another device if possible. Re-check battery connections. If issues persist, the shaver's internal charging circuit may be damaged.

Problem	Possible Cause	Solution
Short runtime after full charge.	Battery not fully charged. Battery defect (unlikely for new battery). Shaver motor inefficiency.	Ensure the shaver is charged for the full recommended duration. If the problem persists, contact HQRP customer support.

Product Specifications

- **Battery Type:** Ni-MH (Nickel-Metal Hydride)
- **Voltage:** 2.4V
- **Capacity:** 1200mAh
- **Compatibility:** 100% compatible with original battery specifications for listed Philips Norelco models.
- **Model Number:** 884667402091204
- **UPC:** 884667930227

Warranty Information

This HQRP rechargeable battery comes with a**200-day warranty** from the date of purchase. Please retain your proof of purchase for warranty claims. The warranty covers manufacturing defects. It does not cover damage resulting from improper installation, misuse, or normal wear and tear.

Customer Support

For technical assistance, warranty claims, or any questions regarding your HQRP battery, please contact HQRP customer support through the retailer where the product was purchased or visit the official HQRP website for contact information.
Note: This is not an Original Equipment Manufacturer (OEM) product. HQRP branded product is a replacement. All brand names and logos are registered trademarks of their respective owners. Any use of the brand names or model designations for this product are made solely for purposes of demonstrating compatibility.

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