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› Astro Products AP050177 Refresh Battery 24V Genuine Product Refurbishment Manual

Generic Brand AP050177

Astro Products AP050177 Refresh Battery 24V Refurbishment Service Manual

Model: AP050177

1. INTRODUCTION

This manual provides comprehensive information regarding the Astro Products AP050177 24V battery refurbishment service. This service is designed to revive your existing battery pack by replacing its internal cells with new ones, restoring its performance to a like-new state. This is not a sale of a new battery, but a service to extend the life of your current battery.

2. PRODUCT OVERVIEW

The AP050177 battery refurbishment service is compatible with the AP24V1 20R battery model. The refurbished battery will feature Ni-Cd cells with a voltage of 24V and a capacity of 1300mAh.



Figure 2.1: Front view of the Astro Products AP050177 24V battery, showing its red casing and connection terminals.



Figure 2.2: Diagram illustrating the battery collection process, with a warning sign and text indicating that the battery will be collected

after the order.

3. SPECIFICATIONS

Specification	Detail
Brand	Generic Brand
Model Number	AP050177
Compatible Model	AP24V1 20R Battery
Battery Type	Nickel Cadmium (Ni-Cd)
Voltage	24V
Capacity	1300mAh
Recommended Use	Passenger Car (as per product data, typically for power tools)
Units	1 Piece (refurbishment service for one battery)

4. SERVICE FLOW (SETUP)

The refurbishment process involves several steps to ensure your battery is restored to optimal condition. Please follow these instructions carefully:

- Order Placement:** Place your order for the refurbishment service through the Amazon Store.
- Collection Date Notification:** You will be informed of the scheduled collection date for your existing battery. Orders placed by 3:00 PM JST are typically scheduled for collection the next day.
- Battery Collection:** A driver will visit your location to collect the battery. Please ensure your battery is properly packaged and ready to be handed over to the driver.
- Refurbishment Process:** Upon receipt at our factory, the internal cells of your battery will be replaced with new, high-quality cells.
- Return Shipment:** The refurbished battery, restored to a like-new condition, will be shipped back to you. The entire process, from collection to delivery, typically takes approximately 2 weeks.

Battery packs are collected free of charge, with the exception of Okinawa and remote islands.

5. OPERATING INSTRUCTIONS (POST-REFURBISHMENT)

After receiving your refurbished battery, it is ready for use. Treat it as a new battery. For optimal performance and longevity, adhere to the following general guidelines:

- Initial Charge:** It is recommended to fully charge the battery before its first use after refurbishment.
- Charging:** Use a compatible charger designed for 24V Ni-Cd batteries. Follow the charger manufacturer's instructions for safe and effective charging.
- Discharge:** Avoid completely draining the battery frequently, as this can reduce its overall lifespan.
- Storage:** If storing the battery for an extended period, ensure it is partially charged (around 50%) and stored in a cool, dry place away from direct sunlight and extreme temperatures.

6. MAINTENANCE

Proper maintenance can significantly extend the life and performance of your refurbished battery:

- **Cleaning:** Keep the battery terminals clean and free from dirt or corrosion. Use a dry cloth to wipe the battery casing.
- **Temperature Control:** Avoid exposing the battery to extreme heat or cold, as this can negatively impact its performance and lifespan.
- **Regular Use:** For Ni-Cd batteries, occasional full discharge and recharge cycles can help prevent "memory effect" and maintain capacity.
- **Inspection:** Periodically inspect the battery for any signs of damage, swelling, or leakage. If any issues are observed, discontinue use and contact support.

7. TROUBLESHOOTING

If you encounter any issues with your refurbished battery, please refer to the following common troubleshooting steps:

- **Battery Not Charging:**
 - Ensure the charger is properly connected and functioning.
 - Verify that the battery terminals are clean and making good contact with the charger.
 - Check if the charger is compatible with Ni-Cd 24V batteries.
- **Shortened Run Time:**
 - Ensure the battery is fully charged before use.
 - Consider if the tool or device being powered is drawing excessive current.
 - If the issue persists, it may indicate a problem with the battery cells, in which case, refer to the warranty section.
- **Overheating:**
 - Discontinue use immediately if the battery becomes excessively hot during charging or operation.
 - Ensure proper ventilation around the battery and charger.
 - Contact support if overheating continues.

For issues not resolved by these steps, please contact customer support as detailed in the Warranty and Support section.

8. WARRANTY AND SUPPORT

We strive for the highest quality in our refurbishment service. In the unlikely event of a problem during use, we offer a warranty under the following conditions:

- **Free Repair:** If a malfunction occurs during normal use, we will repair the battery free of charge. Please contact us first.
- **Refund Policy:** If the battery cannot be repaired, a refund will be issued.

Warranty Exclusions: Please note that the warranty does not apply in the following cases:

- If more than 3 months have passed since the manufacturing date (of the refurbished cells).
- If the defective battery cannot be collected for inspection/repair.
- If damage or malfunction occurs due to the customer's own handling, such as dropping the battery or water leakage.

- In case of damage or malfunction due to natural disasters.
- In case of malfunction due to deterioration of parts other than the battery cells (e.g., casing, terminals) due to age.
- Changes in the appearance of the case or other external parts.

For warranty claims or technical support, please contact the seller directly through your Amazon order history or the seller's contact information provided on Amazon.

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For further assistance, please visit [Amazon Customer Service](#).

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