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Technical Precision AX-7SA1-1

Technical Precision Replacement Battery User Manual

For Black & Decker VP870 7.2V VERSAPAK Cordless Tools

1. INTRODUCTION

Thank you for choosing the Technical Precision replacement battery. This product is designed to provide reliable power for your Black & Decker VP870 7.2V VERSAPAK cordless tools. This manual contains important information regarding the safe operation, installation, maintenance, and troubleshooting of your new battery. Please read it thoroughly before use and retain it for future reference. This battery is a compatible replacement part and is not manufactured by Black & Decker.

2. SAFETY INFORMATION

To prevent personal injury or damage to the battery and tool, always observe the following safety precautions:

- **Charging:** Use only chargers specifically designed for 7.2V Ni-Cd or Ni-MH VERSAPAK batteries. Do not attempt to charge the battery with incompatible chargers.
- **Storage:** Store the battery in a cool, dry place away from direct sunlight, heat sources, and moisture. Keep it away from flammable materials.
- **Disposal:** Do not dispose of batteries in fire or water. Recycle used batteries according to local regulations. Contact your local waste management authority for proper disposal instructions.
- **Avoid Short Circuits:** Do not short-circuit the battery terminals. Keep the battery away from metal objects like keys, coins, or jewelry that could bridge the terminals.
- **Temperature:** Do not expose the battery to extreme temperatures (above 60°C / 140°F or below -20°C / -4°F).
- **Damage:** Do not use a damaged, swollen, or leaking battery. If the battery is damaged, discontinue use immediately and dispose of it properly.
- **Disassembly:** Do not attempt to disassemble, open, or modify the battery pack. There are no user-serviceable parts inside.
- **Children:** Keep batteries out of reach of children.

3. PACKAGE CONTENTS

Verify that all items are present upon unpacking:

- 1 x Technical Precision Replacement Battery for Black & Decker VP870 7.2V VERSAPAK Cordless Tools



Image: Technical Precision Replacement Battery. This image shows the cylindrical battery with a black body and silver-colored end caps, typical of a VERSAPAK battery design.

4. SETUP

Before first use, ensure the battery is fully charged.

4.1. Charging the Battery

1. Insert the battery into a compatible Black & Decker VERSAPAK 7.2V battery charger. Ensure proper alignment.
2. Connect the charger to a standard power outlet.
3. Allow the battery to charge completely. Refer to your charger's manual for specific charging indicators (e.g., LED lights).
4. Once fully charged, disconnect the charger from the power outlet and remove the battery.

4.2. Installing the Battery into a Tool

1. Ensure the cordless tool is turned off and disconnected from any power source.
2. Locate the battery compartment on your Black & Decker VERSAPAK tool.
3. Slide the Technical Precision replacement battery into the compartment, ensuring it clicks securely into place.
4. Verify that the battery is firmly seated before operating the tool.

5. OPERATING INSTRUCTIONS

Once the battery is installed and charged, your tool is ready for use. Operate your cordless tool according to its specific instruction manual.

- Always ensure the battery is fully charged for optimal performance.
- Avoid completely draining the battery, as this can reduce its overall lifespan. Recharge when power noticeably decreases.
- If the tool stops working due to low battery, remove the battery and recharge it.

6. MAINTENANCE

Proper maintenance extends the life of your battery.

- **Cleaning:** Keep the battery terminals clean and free of dirt or debris. Use a dry cloth to wipe them if necessary.
- **Storage:** For long-term storage, charge the battery to approximately 50% and store it in a cool, dry place.

Recharge it every 3-6 months to prevent deep discharge.

- **Charging Cycles:** Ni-Cd/Ni-MH batteries can develop a 'memory effect'. To mitigate this, occasionally allow the battery to fully discharge before recharging it completely.

7. TROUBLESHOOTING

If you encounter issues with your battery, try the following solutions:

Problem	Possible Cause	Solution
Battery not charging	Charger not plugged in; faulty charger; dirty battery terminals; battery too hot/cold.	Check charger connection; try a different charger; clean battery terminals; allow battery to reach room temperature.
Short run time	Battery not fully charged; battery nearing end of life; 'memory effect'.	Ensure full charge; perform a full discharge/recharge cycle; consider battery replacement if issues persist.
Battery not fitting tool	Incorrect battery model; obstruction in tool compartment.	Verify battery model (AX-7SA1-1) is correct for your tool; check for debris in the tool's battery slot.

8. SPECIFICATIONS

- **Model:** AX-7SA1-1
- **Voltage:** 7.2 Volts
- **Battery Type:** Rechargeable (Ni-Cd or Ni-MH compatible, depending on specific cell chemistry)
- **Unit Count:** 1.0 Count
- **Recommended Use:** Power Tool
- **Compatibility:** Replacement for Black & Decker VP870 VERSAPAK series

9. WARRANTY AND SUPPORT

As a replacement part, specific warranty details may vary. For any questions regarding product performance, warranty claims, or technical support, please contact Technical Precision directly through their official channels or the retailer where the product was purchased. Please have your model number (AX-7SA1-1) and purchase information ready when contacting support.