

BLACK+DECKER PD400LG

BLACK+DECKER PD400LG 3.6V Pivot-Driver Instruction Manual

Model: PD400LG

1. IMPORTANT SAFETY INFORMATION

Always observe basic safety precautions when using electrical tools to reduce the risk of fire, electric shock, and personal injury. Read all instructions carefully before operating this product.

- **Work Area Safety:** Keep your work area clean and well-lit. Cluttered or dark areas invite accidents. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Electrical Safety:** Avoid body contact with earthed or grounded surfaces. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- **Personal Safety:** Stay alert, watch what you are doing, and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol, or medication.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Do not use the power tool if the switch does not turn it on and off. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.
- **Battery Safety:** Do not incinerate the appliance even if it is severely damaged. The batteries can explode in a fire.

2. PRODUCT OVERVIEW

The BLACK+DECKER PD400LG Pivot-Driver is a 3.6-volt cordless screwdriver designed for various light-duty fastening tasks. Its unique pivoting handle allows access to tight spaces.

Components Included:

- PD400LG Screwdriver
- Double-Ended Screwdriving Bit
- Charger

Key Features:

- **2-Position Twist Handle:** Allows the tool to be used in an inline or pistol grip configuration for versatility in various applications and tight spaces.
- **Integrated LED Light Ring:** Illuminates the work area for improved visibility, especially in dark or confined spaces.
- **Compact and Lightweight Design:** Enhances user comfort and reduces fatigue during extended use.
- **Forward/Reverse Switch:** For driving and removing screws.



Figure 1: The BLACK+DECKER PD400LG Pivot-Driver in use, demonstrating its compact design and ability to access tight areas on a metal shelf.

3. SETUP

3.1 Charging the Battery

1. Ensure the tool is switched off before charging.
2. Connect the charger to a standard electrical outlet.
3. Insert the charger plug into the charging port on the screwdriver.
4. Allow the tool to charge for the recommended duration (refer to charger instructions for specific times). The battery is a 3.6V Lithium Ion type.
5. Disconnect the charger once charging is complete.

Note: For optimal battery life, it is recommended to fully charge the tool before first use.

3.2 Installing the Screwdriving Bit

1. Ensure the tool is in the locked (center) position to prevent accidental startup.
2. Insert the desired double-ended screwdriving bit firmly into the hex chuck at the front of the tool.
3. Pull on the bit to ensure it is securely seated.

4. OPERATING INSTRUCTIONS

4.1 Adjusting the Handle Position

The PD400LG features a 2-position twist handle. To adjust, firmly grasp the handle and twist the front section relative to the rear section until it locks into either the inline or pistol grip position. This allows for greater flexibility when working in confined spaces.

4.2 Driving and Removing Screws

1. Select the appropriate bit for your screw.
2. Position the bit onto the screw head.
3. To drive screws, slide the forward/reverse switch to the forward (clockwise) position.
4. To remove screws, slide the forward/reverse switch to the reverse (counter-clockwise) position.
5. Press the trigger to activate the screwdriver. The LED light ring will illuminate the work area.
6. Release the trigger to stop the tool.

Caution: Do not over-tighten screws. The tool provides 40 inch-pounds of torque.

4.3 Using the LED Light Ring

The integrated LED light ring automatically activates when the trigger is pressed, providing illumination to the work surface. This feature is particularly useful when working in dimly lit environments.

5. MAINTENANCE

5.1 Cleaning

- Keep the ventilation slots clear to prevent overheating.
- Use a soft, damp cloth to clean the exterior of the tool. Do not use harsh chemicals or abrasive cleaners.
- Never immerse the tool in water or any other liquid.

5.2 Storage

Store the tool in a dry, secure location out of reach of children. For prolonged storage, ensure the battery is partially charged to maintain its health.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start	Battery is discharged Forward/Reverse switch is in the locked (center) position	Charge the battery Move the switch to forward or reverse position

Problem	Possible Cause	Solution
Reduced power or short run time	Battery not fully charged Battery nearing end of life	Ensure battery is fully charged Consider replacing the tool if battery performance significantly degrades over time (battery is not user-replaceable)
Bit slips from screw head	Incorrect bit size Bit not fully inserted Worn bit	Use the correct size bit Ensure bit is fully seated in the chuck Replace worn bits

7. SPECIFICATIONS

Feature	Specification
Model Number	PD400LG
Voltage	3.6 Volts
Battery Type	Lithium Ion
Speed	180 RPM
Torque	40 Inch Pounds
Power Source	Battery Powered
Material	Plastic housing
Recommended Uses	Electronics Assembly, Furniture Assembly, Minor Home Repairs

8. WARRANTY AND SUPPORT

8.1 Manufacturer's Warranty

This BLACK+DECKER PD400LG Pivot-Driver is covered by a **Limited Two Years** manufacturer's warranty. This warranty covers defects in material or workmanship. Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For technical assistance, service, or warranty inquiries, please contact BLACK+DECKER customer support. Refer to the contact information provided in your product packaging or visit the official BLACK+DECKER website for current support options.