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## PORTER-CABLE PCC601

# PORTER-CABLE PCC601 20V MAX Lithium Ion Drill Driver User Manual

Model: PCC601 / PCC601B

## PRODUCT OVERVIEW

The PORTER-CABLE PCC601 20V MAX Lithium Ion Drill Driver is a lightweight and compact tool designed for various drilling and driving tasks. Its high-performance motor and two-speed gearbox provide the necessary power for efficient operation. The integrated bright LED light illuminates the work area, enhancing visibility.



Figure 1: Front view of the Porter Cable PCC601 Drill Driver.

## IMPORTANT SAFETY INFORMATION

Always read and understand all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

- Wear appropriate personal protective equipment, including eye protection, hearing protection, and gloves.
- Ensure the work area is 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.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.
- Use only PORTER-CABLE 20V MAX batteries with this tool.
- Always remove the battery pack before making any adjustments, changing accessories, or storing the power tool.

## COMPONENTS AND FEATURES

Familiarize yourself with the key components of your PCC601 Drill Driver:

- **Keyless Chuck:** For quick and easy bit changes.
- **Torque Collar:** Adjusts the amount of torque for different applications.
- **Speed Selector Switch:** Allows selection between two speed ranges (High/Low).
- **Forward/Reverse Switch:** Controls the direction of rotation.
- **Variable Speed Trigger:** Controls the drilling/driving speed.
- **LED Work Light:** Illuminates the work surface.
- **Battery Release Button:** For detaching the battery pack.
- **Bit Holder:** Convenient storage for a single bit.



Figure 2: Side view of the Porter Cable PCC601 Drill Driver, highlighting its compact design.



Figure 3: Top view of the drill driver, showing the speed selector switch.

## SETUP

### Battery Installation and Removal

1. To install the battery: Align the battery pack with the slot in the tool's handle. Slide the battery pack into the handle until it clicks securely into place.
2. To remove the battery: Press the battery release button located on the front of the battery pack and pull the battery pack out of the handle.

*Note: Battery and charger are sold separately. Ensure the battery is fully charged before first use.*

### Bit Installation and Removal

1. To install a bit: Rotate the chuck counter-clockwise until the jaws are open wide enough to insert the bit. Insert the bit fully into the chuck. Rotate the chuck clockwise to tighten the jaws securely around the bit.
2. To remove a bit: Rotate the chuck counter-clockwise to loosen the jaws and remove the bit.

## OPERATING INSTRUCTIONS

### Selecting Speed

The drill driver features a two-speed gearbox. Use the speed selector switch located on top of the tool to choose between:

- **Speed 1 (Low):** For high torque applications, such as driving screws or drilling large diameter holes.
- **Speed 2 (High):** For high speed applications, such as drilling small diameter holes.

### Forward/Reverse Operation

The forward/reverse switch controls the direction of the chuck rotation. Push the switch to the left for forward rotation (drilling/driving) and to the right for reverse rotation (removing screws/bits). Center the switch for the lock-off position, which prevents accidental starting.

### Variable Speed Trigger

The variable speed trigger allows you to control the operating speed. Press the trigger lightly for slower speeds and increase pressure for higher speeds. This provides precise control for various tasks.

### Torque Adjustment

The torque collar has multiple settings to prevent overdriving screws or damaging materials. Rotate the collar to select the desired torque setting. Higher numbers indicate higher torque. The drill symbol indicates drill mode for maximum torque.

## MAINTENANCE

- **Cleaning:** Keep the tool's air vents clean and free of debris to ensure proper motor cooling. Use a soft, damp cloth for cleaning. Do not use harsh chemicals or abrasive cleaners.
- **Lubrication:** This tool is factory lubricated and requires no additional lubrication.
- **Battery Care:** Store battery packs in a cool, dry place away from direct sunlight and extreme temperatures.
- **Inspection:** Regularly inspect the chuck, power cord (if applicable), and housing for any damage. Replace damaged parts immediately.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start.	Battery not installed correctly or discharged. Forward/Reverse switch in lock-off position.	Ensure battery is fully seated and charged. Move Forward/Reverse switch to either forward or reverse position.
Reduced power or speed.	Battery low on charge. Tool overheating.	Recharge battery. Allow tool to cool down before continuing use.
Chuck not holding bit securely.	Chuck not tightened sufficiently.	Ensure chuck is tightened firmly by hand.

## SPECIFICATIONS

- **Model:** PCC601
- **Voltage:** 20 Volts MAX
- **Chuck Size:** 1/2 inch (13 mm)
- **No-Load Speed:** 0-350 RPM (Low), 0-2000 RPM (High)
- **Item Weight:** 2.5 lbs (Tool Only)
- **Product Dimensions:** 8.25"L x 7"W x 3"H
- **Power Source:** Battery Powered (Lithium Ion)
- **Special Feature:** Keyless Chuck
- **Material:** Plastic, Steel



Figure 4: Product label displaying model and basic specifications.

## WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the official PORTER-CABLE website or contact their customer service department. Keep your purchase receipt as proof of purchase for any warranty claims.

**Online Support:** [www.portercable.com/support](http://www.portercable.com/support)

