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› POPULO 20V Cordless Electric Drain Snake PCA-G2B User Manual

POPULO PCA-G2B

POPULO 20V Cordless Electric Drain Snake PCA-G2B User Manual

Model: PCA-G2B

1. INTRODUCTION

This manual provides essential instructions for the safe operation, maintenance, and troubleshooting of your POPULO 20V Cordless Electric Drain Snake. This tool is designed to clear blockages in various household drains, including toilets, sinks, and floor drains, using a flexible 25-foot cable. Please read this manual thoroughly before initial use to ensure proper function and safety.

2. IMPORTANT SAFETY INSTRUCTIONS

Always observe basic safety precautions when using this electric drain snake to reduce the risk of fire, electric shock, and personal injury.

- **Personal Safety:** Wear appropriate personal protective equipment, including safety glasses, gloves, and non-slip footwear. Keep hair, loose clothing, and jewelry away from moving parts.
- **Work Area Safety:** Ensure the work area is well-lit and free of clutter. Do not operate in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Keep children and bystanders away.
- **Electrical Safety:** Do not expose the tool to rain or wet conditions. Avoid body contact with grounded surfaces. Do not abuse the cord.
- **Tool Use and Care:** Do not force the tool. Use the correct tool for your application. Disconnect the battery pack before making any adjustments, changing accessories, or storing the tool. Store idle tools out of the reach of children.
- **Battery Pack Use and Care:** Recharge only with the charger specified by the manufacturer. Do not use battery packs with tools for which they are not intended.
- **Drain Specific Safety:** Be aware of potential chemical residues in drains. Avoid contact with skin and eyes. Do not use the drain snake on pipes larger than 2 inches in diameter or for blockages known to be solid objects like stones or roots, as this can damage the cable or tool.

3. PACKAGE CONTENTS

Verify that all items are present upon unpacking:

- POPULO 20V Cordless Electric Drain Snake Unit
- 25FT Flexible Cable (1/4" diameter)
- 2.0Ah Lithium-ion Battery
- Battery Charger
- Extension Tube for Toilet
- Protective Gloves
- Cloth Bag for storage
- User Manual (this document)



Figure 1: The POPULO 20V Cordless Electric Drain Snake shown with its 2.0Ah battery, charger, 25ft cable, extension tube, protective gloves, and cloth bag.

4. PRODUCT OVERVIEW

The POPULO 20V Cordless Electric Drain Snake is a portable and efficient tool for clearing common household drain blockages. Key features include:

- **Cordless Operation:** Powered by a 20V lithium-ion battery for unrestricted movement.
- **Automatic Feed and Retract:** Simplifies cable management during operation.

- **25-Foot Flexible Cable:** Designed to navigate through P-traps and clear pipes from 3/4" to 2" in diameter.
- **Variable Speed Control:** Adjustable speed up to 560 RPM for different blockage types.
- **Detachable Extension Tube:** Specifically designed for toilet use to prevent bowl damage.

5. SETUP

5.1 Battery Installation and Charging

1. Ensure the battery is fully charged before first use. Connect the charger to a power outlet and insert the battery. The indicator light will show charging status.
2. To install the battery, align the battery pack with the receptacle on the tool and slide it in until it clicks securely into place.
3. To remove the battery, press the release button on the battery pack and slide it out.

5.2 Extension Tube Installation (for Toilet Use)

The extension tube is designed to protect the toilet bowl during operation. For other drains, the tool can be used directly.

1. Ensure the tool is powered off and the battery is removed.
2. Insert the drain snake cable head into the opening of the extension tube.
3. Align the extension tube with the front of the drain snake unit. Twist and secure the tube until it locks into position.

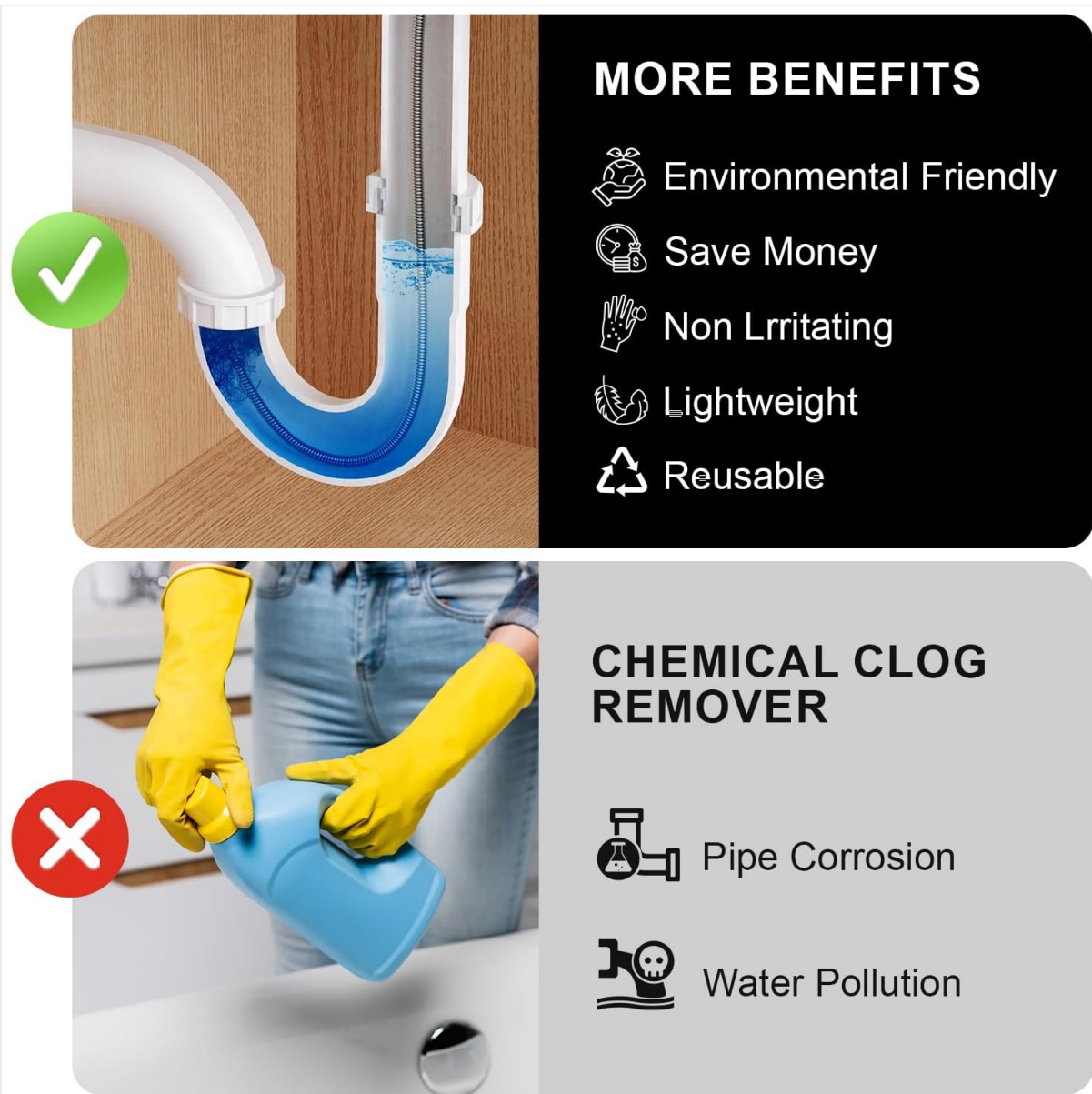


Figure 2: Step-by-step guide for installing the extension tube. First, feed the cable through the tube. Second, attach the tube to the main unit. Third, secure the tube by twisting.

6. OPERATING INSTRUCTIONS

6.1 General Operation

- 1. Prepare the Area:** Clear any standing water or debris from the drain opening. Wear protective gloves.
- 2. Insert Cable:** Gently feed the cable into the drain opening. For general drains, use the tool directly. For toilets, ensure the extension tube is attached.
- 3. Power On and Feed:** Press the trigger to activate the motor. The speed is variable based on trigger pressure. Use the forward/reverse switch (F/R) to control the cable direction. Push the cable into the drain until resistance is met, indicating a blockage.
- 4. Clear Blockage:** Once the cable reaches the blockage, allow the rotating cable to work through it. Move the cable back and forth slightly to help break up the obstruction.
- 5. Retract Cable:** After clearing the blockage, switch the F/R lever to the reverse position and slowly retract the cable from the drain.
- 6. Test Drain:** Run water down the drain to confirm the blockage is cleared.

6.2 Specific Applications

The drain snake is suitable for clearing clogs in pipes ranging from 3/4" to 2" in diameter. It effectively addresses common blockages such as sludge, rotten leaves, paper jams, hair clogs, and grease clots.



Figure 3: The POPULO drain snake is effective for unclogging toilets, sinks, kitchen sinks, floor drains, and bathtub showers.



Figure 4: This image details the recommended pipe diameter for the drain snake (3/4" to 2") and lists common blockages it can clear (sludge, rotten leaves, paper, hair, grease) versus those it cannot (stone, plastic toys, roots, glass ornaments).

EXTENSION TUBE ONLY FOR THE TOILET



Figure 5: The extension tube is specifically designed for use with toilets to prevent damage to the porcelain bowl while clearing clogs.



Figure 6: Demonstrations of the 25ft multifunctional drain auger in use for both toilet and floor drain applications.

7. MAINTENANCE

- **Cleaning the Cable:** After each use, clean the cable thoroughly to remove any debris or residue. Wipe it down with a damp cloth and allow it to dry completely before retracting it into the drum.
- **Tool Cleaning:** Wipe the exterior of the tool with a clean, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Battery Care:** Store the battery in a cool, dry place away from direct sunlight. Do not store discharged batteries for extended periods.
- **Storage:** Store the drain snake and its accessories in the provided cloth bag in a dry, secure location out of reach of children.
- **Cable Replacement:** The 25ft cable is replaceable. If the cable becomes damaged or worn, replacement cables are available for purchase.

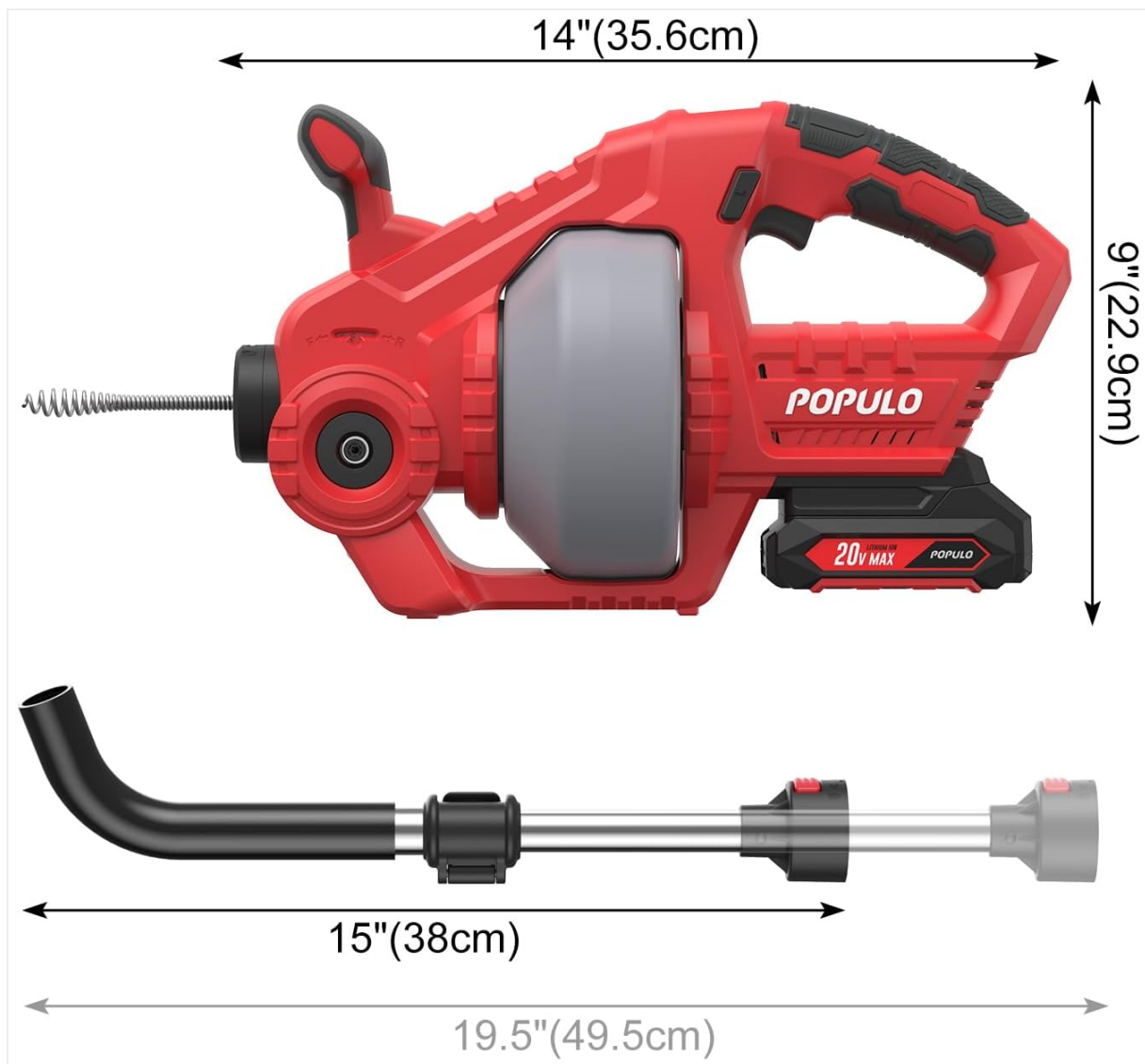


Figure 7: This image highlights the benefits of using a mechanical drain snake over chemical clog removers, emphasizing environmental friendliness, cost savings, and reusability.

8. TROUBLESHOOTING

8.1 Cable Will Not Retract

If the cable does not retract automatically:

1. Ensure the F/R switch is in the "0" (neutral) position.
2. Manually pull out the entire cable from the drum.
3. Switch the F/R lever to the "R" (reverse) position and attempt to retract the cable.

8.2 Emergency Cable Stuck in Pipe

If the cable becomes severely stuck in the pipe and cannot be pulled out:

1. Press the F/R lever to the "R" (reverse) position.
2. While holding the lever, gently rotate the cable drum manually to assist in freeing the cable.

How to fix when cable won't retract?



1. Switch to "0" Position.



2. Manually pull out the all cable.



3. Switch to "R" Position. Cable Retract.

EMERGENCY

Only do this if the cable is stuck in the pipe and can't be pulled out.



1. Press in "R".

+



2. Cable Rotation.

Figure 8: Visual guide for troubleshooting cable retraction issues and emergency procedures for a stuck cable.

9. SPECIFICATIONS

Feature	Detail
Model Number	PCA-G2B
Manufacturer	POPULO
Power Source	20V Lithium-ion Battery
Battery Capacity	2.0Ah
Cable Length	25 feet
Cable Diameter	1/4 inch
Recommended Pipe Diameter	3/4 inch - 2 inches
Maximum Speed	560 RPM
Item Weight	12.34 pounds
Product Dimensions	10 x 2 x 2 inches (main unit)



Figure 9: Dimensions of the POPULO 20V Cordless Electric Drain Snake and its extension tube.

10. WARRANTY AND CUSTOMER SUPPORT

For warranty information, technical support, or to purchase replacement parts (such as flexible shafts and battery packs), please refer to the contact information provided with your purchase or visit the official POPULO website. You can also scan the QR code on the machine for tutorial videos and further assistance.