DEWALT DCV580H

DEWALT 20V MAX Cordless Wet-Dry Vacuum Instruction Manual

Model: DCV580H | Brand: DEWALT

Introduction

The DEWALT 20V MAX Cordless Wet-Dry Vacuum (DCV580H) is designed for versatile cordless operation, powered by a 20V MAX battery. This unit features an easily accessible, washable/reusable HEPA filter, a heavy-duty, crush-resistant, fully-integrated 5-foot hose, and on-board storage for the hose and accessories. Its 2-gallon tank capacity is suitable for both wet and dry pickup, including tasks like emptying a toilet or clearing a clogged pipe. This manual provides essential information for proper use and maintenance.



Image: The DEWALT 20V MAX Cordless Wet-Dry Vacuum, showcasing its compact design and integrated hose.

Important Safety Instructions

Always follow basic safety precautions when using this appliance to reduce the risk of fire, electric shock, or injury. Read all instructions before using this vacuum.

- Do not leave appliance when plugged in. Unplug from outlet when not in use and before servicing.
- Do not use outdoors or on wet surfaces.
- Do not allow to be used as a toy. Close attention is necessary when used by or near children.
- Use only as described in this manual. Use only manufacturer's recommended attachments.
- Do not use with damaged cord or plug. If appliance is not working as it should, has been dropped, damaged, left outdoors, or dropped into water, return it to a service center.
- Do not pull or carry by cord, use cord as a handle, close a door on cord, or pull cord around sharp edges or corners. Do not run appliance over cord. Keep cord away from heated surfaces.
- Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
- Do not handle plug or appliance with wet hands.
- Do not put any object into openings. Do not use with any opening blocked; keep free of dust, lint, hair, and anything that may reduce air flow.
- Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.

- Do not pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
- Do not use without filter in place.
- Turn off all controls before unplugging.
- Use extra care when cleaning on stairs.
- Do not use to pick up flammable or combustible liquids, such as gasoline, or use in areas where they may be present.
- Do not use to pick up toxic material, such as chlorine bleach, ammonia, drain cleaner, etc.
- Do not use in an enclosed space where vapors are given off by oil base paint, paint thinner, some mothproofing substances, flammable dust, or other explosive or toxic vapors.
- Do not pick up hard or sharp objects such as glass, nails, screws, coins, etc.

Package Contents

Upon unpacking your DEWALT 20V MAX Cordless Wet-Dry Vacuum, ensure all the following components are present:

- (1) DEWALT 20V MAX Cordless Wet-Dry Vacuum (DCV580H)
- (1) HEPA Filter
- (1) Wide Nozzle Tool Attachment
- (1) 5-foot Heavy-Duty Crush Resistant Hose (1-1/4" Diameter)
- (1) Crevice Tool Attachment

Note: Battery and charger are sold separately and are not included with the tool.

Setup

Battery Installation

The DCV580H vacuum is designed to operate with DEWALT 20V MAX batteries. It also supports older 18V batteries for compatibility during transition periods.

1. Locate the battery port on the top rear of the vacuum.
2. Align the battery with the tracks in the port.
3. Slide the battery firmly into the port until it clicks securely into place.



Image: Top view of the vacuum showing the battery slot, ready for a DEWALT 20V MAX battery.

Hose and Accessory Attachment

The vacuum features a fully-integrated 5-foot hose for convenience. Accessories can be attached directly to the hose end.

1. To extend the hose, simply pull it from its integrated storage around the vacuum.
2. Select the desired accessory (crevice tool or wide nozzle).
3. Slide the accessory onto the end of the hose until it fits snugly. The crevice tool can be stored conveniently within the handle of the vacuum when not in use.



Image: The DEWALT Wet-Dry Vacuum with its fully-integrated 5-foot hose extended, ready for use.

Operating Instructions

Powering On/Off

The on/off switch is conveniently located on the top of the vacuum.

- To turn the vacuum ON, slide the switch to the 'I' position.
- To turn the vacuum OFF, slide the switch to the 'O' position.

Wet Pickup Operation

For wet vacuuming, it is crucial to remove the HEPA filter to prevent damage and ensure proper function.

1. Ensure the vacuum is OFF and unplugged (if using corded power) or battery removed.
2. Unlatch the two side clips and lift the motor head assembly from the tank.

3. Twist and remove the HEPA filter from its housing.
4. Reattach the motor head assembly and secure the latches.
5. Proceed with wet vacuuming. The vacuum has a float mechanism that will shut off suction when the tank is full to prevent overflow.

Dry Pickup Operation

For dry vacuuming, the HEPA filter must be in place to trap dust and debris effectively.

1. Ensure the HEPA filter is securely installed.
2. Attach the desired accessory to the hose.
3. Turn the vacuum ON and begin dry vacuuming.



Image: The DEWALT Wet-Dry Vacuum shown with its HEPA rated wet/dry filter, essential for dry vacuuming.

Blowing Function

The vacuum can also be used as a blower. To utilize this function:

1. Locate the blowing port on the vacuum.
2. Insert the hose into the blowing port.
3. Turn the vacuum ON to activate the blowing function.

Maintenance

Filter Cleaning and Replacement

The HEPA filter is washable and reusable. Regular cleaning ensures optimal performance.

1. Turn off and unplug the vacuum (or remove battery).
2. Unlatch the side clips and remove the motor head assembly.
3. Twist and remove the HEPA filter.
4. Tap the filter gently over a trash receptacle to dislodge loose debris.
5. For thorough cleaning, rinse the filter under running water. Allow it to air dry completely before reinstallation. Do not use a brush or abrasive materials on the filter.
6. Reinstall the dry filter by twisting it back into place, then reattach the motor head assembly.

Tank Emptying

The 2-gallon tank should be emptied regularly, especially after wet pickup.

1. Turn off and unplug the vacuum (or remove battery).
2. Unlatch the side clips and remove the motor head assembly.
3. Carefully pour out the contents of the tank into a suitable drain or receptacle.
4. Rinse the tank with water if necessary and wipe it dry before reassembling.



Image: The DEWALT Wet-Dry Vacuum highlighting its 2-gallon tank capacity, suitable for various cleanup tasks.

General Cleaning

Wipe the exterior of the vacuum with a damp cloth. Do not use strong detergents or solvents.

Troubleshooting

Problem	Possible Cause	Solution
Vacuum does not turn on.	No power supply; Battery not charged or improperly installed; Power cord not plugged in.	Ensure battery is charged and properly seated. If using corded power, check plug connection and power outlet.
Low suction.	Clogged hose or accessory; Full tank; Dirty filter.	Check hose and accessories for blockages. Empty the tank. Clean or replace the filter.

Problem	Possible Cause	Solution
Water leakage during wet pickup.	Filter not removed; Tank overfilled; Seals not properly seated.	Remove filter for wet pickup. Do not overfill tank (float will shut off suction). Ensure motor head seals are properly seated.

Specifications

Feature	Specification
Brand	DEWALT
Model Name	DCV580H
Power Source	20V MAX Battery (Cordless) / AC Power (Corded)
Capacity	2 Gallons (approx. 7.57 Liters)
Hose Length	5 Feet
Filter Type	HEPA Rated Wet/Dry Cartridge Filter
Air Flow (CFM)	31 CFM
Item Weight	8 pounds
Product Dimensions	17.25"L x 12.31"W x 13.12"H

Warranty and Support

Warranty Information

The DEWALT 20V MAX Cordless Wet-Dry Vacuum (DCV580H) comes with a 3-year limited warranty. This warranty covers defects in materials or workmanship. For specific details regarding warranty coverage, limitations, and how to make a claim, please refer to the official warranty documentation included with your product or visit the DEWALT website.

Customer Support

For technical assistance, replacement parts, or service inquiries, please contact DEWALT Customer Service. You can find contact information on the official DEWALT website or through the product registration card.
Online resources, including FAQs and additional user guides, may also be available on the DEWALT website.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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