

## Ryobi CH-485

# Ryobi CH-485 Corded Demolition Hammer Instruction Manual

Model: CH-485

## 1. IMPORTANT SAFETY INFORMATION

Read 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. Save all warnings and instructions for future reference.

### General Power Tool Safety Warnings

- **Work Area Safety:** Keep 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. Power tools create sparks which may ignite the dust or fumes.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock. Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- **Personal Safety:** Always wear eye protection. Use appropriate personal protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection for appropriate conditions. Stay alert, watch what you are doing and use common sense when operating a power tool.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.

## 2. PRODUCT OVERVIEW

The Ryobi CH-485 is a robust corded demolition hammer designed for breaking concrete, masonry, and other tough

materials. It features a powerful motor and high impact energy for efficient work.



Figure 1: Ryobi CH-485 Corded Demolition Hammer. This image shows the main body of the demolition hammer, including the handle, motor housing, and chisel holder.

## Key Components

- **Main Handle:** For gripping and controlling the tool.
- **Auxiliary Handle:** Provides additional grip and control, often adjustable.
- **Chisel Holder:** Secures the chisel bit.
- **Power Cord:** Connects the tool to an electrical outlet.
- **On/Off Switch:** Activates and deactivates the tool.

## 3. SETUP

### 3.1 Unpacking

Carefully remove the demolition hammer and all accessories from the packaging. Inspect the tool for any damage that may have occurred during shipping. Do not discard packaging materials until you have confirmed all parts are present and the tool is in working order.

### 3.2 Chisel Installation

1. Ensure the tool is unplugged from the power source.
2. Clean the shank of the chisel bit and apply a thin layer of grease to prevent wear and facilitate removal.
3. Insert the 21mm hex shank chisel into the chisel holder until it locks securely into place. Pull on the chisel to ensure it is properly seated.
4. Adjust the auxiliary handle to a comfortable and secure position for optimal control.

### 3.3 Power Connection

Connect the power cord to a suitable electrical outlet. Ensure the outlet provides the correct voltage and frequency as specified on the tool's rating label. Use an extension cord only if necessary, and ensure it is rated for outdoor use and has a sufficient gauge for the tool's power requirements.

## 4. OPERATING INSTRUCTIONS

### 4.1 Starting and Stopping

- To start the tool, press the On/Off switch.
- To stop the tool, release or press the On/Off switch again, depending on the switch type (trigger or latching).

### 4.2 Demolition Technique

1. Always wear appropriate personal protective equipment, including safety glasses, hearing protection, gloves, and a dust mask.
2. Hold the demolition hammer firmly with both hands, using both the main and auxiliary handles.
3. Position the chisel tip against the material to be broken.
4. Apply steady, firm pressure to the tool. Do not force the tool; allow its impact action to do the work.
5. Work systematically, breaking off small sections of material rather than attempting to remove large chunks at once.
6. Be aware of falling debris and ensure the work area is clear of bystanders.

## 5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Ryobi CH-485 Demolition Hammer.

### 5.1 Cleaning

- After each use, disconnect the tool from the power source.
- Clean the exterior of the tool with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Remove any dust or debris from the ventilation openings to prevent overheating.
- Clean the chisel holder area to ensure smooth insertion and removal of bits.

### 5.2 Lubrication

The internal mechanism of the demolition hammer requires periodic lubrication. Refer to the detailed service manual or contact an authorized service center for specific lubrication schedules and procedures. Typically, the chisel shank should be lightly greased before each use.

### 5.3 Inspection and Storage

- Regularly inspect the power cord for cuts, fraying, or damage. Replace damaged cords immediately.
- Check chisels for wear or damage. Dull or damaged chisels should be sharpened or replaced.
- Store the tool in a dry, secure location, out of reach of children and away from direct sunlight or extreme temperatures.

## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start.	No power supply; faulty switch; damaged cord.	Check power outlet and cord. Ensure switch is in 'On' position. If problem persists, contact service.
Reduced impact performance.	Worn chisel; insufficient lubrication; internal wear.	Replace or sharpen chisel. Ensure proper lubrication. If problem persists, contact service.
Excessive vibration or noise.	Loose components; internal damage.	Stop using the tool immediately. Contact an authorized service center for inspection.

For issues not listed above or if solutions do not resolve the problem, contact an authorized Ryobi service center.

## 7. SPECIFICATIONS

Feature	Detail
Model Number	CH-485
Brand	Ryobi
Power Input	1130 W
Impact Rate	1800 bpm (blows per minute)
Impact Energy	15 Joules
Chisel Type	21mm Hex Shank
Power Source	Corded Electric
Weight	8.5 kg
Approximate Dimensions (L x W x H)	509mm x 102mm x 254mm

## 8. WARRANTY AND SUPPORT

Warranty information for the Ryobi CH-485 Demolition Hammer is typically provided with the product at the time of purchase or can be found on the official Ryobi website. Please retain your proof of purchase for warranty claims. For technical support, spare parts, or service inquiries, please contact your local authorized Ryobi service center or visit the official Ryobi website for contact information.

*Note: This manual provides general instructions. Specific warranty terms and conditions may vary by region.*



