

Goodyear GY-RH-40040-1

Goodyear Rotary Hammer Drill GY-RH-40040-1 Instruction Manual

Model: GY-RH-40040-1 | Brand: Goodyear

1. IMPORTANT SAFETY INSTRUCTIONS

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.

- **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.
- **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. Avoid body contact with earthed or grounded surfaces.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating the tool for extended periods. Dress properly. Do not wear loose clothing or jewelry. Keep hair and clothing away from moving parts.
- **Power 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.
- **Service:** Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

2. PRODUCT OVERVIEW

The Goodyear GY-RH-40040-1 Rotary Hammer Drill is a versatile power tool designed for drilling, impact drilling, and chiseling tasks in various materials such as concrete, wood, and metal. It features an 800W motor, variable speed, and a reversible function for enhanced control and efficiency.



Figure 2.1: Side view of the Goodyear Rotary Hammer Drill, highlighting the mode selector switch and the Goodyear brand logo on the blue casing.

3. SETUP

3.1 Unpacking and Inspection

Carefully remove the rotary hammer drill and all accessories from the carrying case. Inspect the tool for any signs of damage during transit. Ensure all components listed in the package contents are present:

- Goodyear Rotary Hammer Drill GY-RH-40040-1
- Auxiliary Handle
- Depth Gauge
- 3 Drill Bits
- 2 Chisels
- Carrying Case

3.2 Attaching the Auxiliary Handle

The auxiliary handle provides additional control and stability during operation. To attach:

1. Loosen the auxiliary handle by rotating it counter-clockwise.
2. Slide the handle over the chuck end of the tool until it rests in the desired position.
3. Rotate the handle clockwise to tighten it securely. Ensure it is firmly fixed before use.



Figure 3.1: Close-up of the front section of the rotary hammer drill, showing the chuck and the adjustable auxiliary handle. The yellow button on the handle is visible.

3.3 Inserting and Removing Drill Bits/Chisels

This tool uses SDS-Plus type bits. To insert:

1. Clean the shank of the drill bit or chisel.
2. Pull back the chuck sleeve.
3. Insert the bit into the chuck until it clicks into place.
4. Release the chuck sleeve. Pull on the bit to ensure it is securely locked. There will be a slight play, which is normal for SDS-Plus systems.

To remove:

1. Pull back the chuck sleeve firmly.
2. Remove the drill bit or chisel.
3. Release the chuck sleeve.

4. OPERATING INSTRUCTIONS

4.1 Function Selection

The GY-RH-40040-1 offers three operating modes, selected via the mode selector switch located on the side of the tool:

- **Drill Mode (Rotation Only):** For drilling in wood, metal, and plastics without impact.
- **Impact Drill Mode (Rotation with Hammering):** For drilling in concrete, masonry, and stone.
- **Hammer Mode (Hammering Only):** For chiseling, chipping, and light demolition work. This mode also allows for angle adjustment of the chisel.

Caution: Always ensure the tool is switched off and unplugged before changing the operating mode.

4.2 Trigger and Lock Button



Figure 4.1: Close-up of the main handle of the rotary hammer drill, showing the yellow trigger and the circular lock button for continuous operation.

- **Starting the Tool:** Press the trigger switch. The tool features variable speed, meaning the speed increases with greater trigger pressure.
- **Continuous Operation:** For extended use, press the lock button while the trigger is fully depressed. Release the trigger to stop continuous operation.
- **Stopping the Tool:** Release the trigger switch. If the lock button is engaged, press the trigger fully and then release it to disengage the lock.

4.3 Reversible Function

A reversible switch (usually a lever near the trigger) allows you to change the direction of rotation. This is useful for removing jammed drill bits or driving/removing screws (with appropriate accessories).

Caution: Only change the direction of rotation when the tool is completely stopped.

4.4 Using the Depth Gauge

The depth gauge helps to drill holes to a precise depth. To set:

1. Insert the drill bit into the chuck.
2. Loosen the auxiliary handle.
3. Slide the depth gauge through the hole in the auxiliary handle.
4. Position the tip of the drill bit against the workpiece.
5. Adjust the depth gauge until its end touches the workpiece, then pull it back by the desired drilling depth.
6. Tighten the auxiliary handle to secure the depth gauge.

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your tool.

- **Cleaning:** After each use, clean the tool's ventilation slots and housing with a soft brush or compressed air. Do not use water or chemical cleaning agents.
- **Chuck Maintenance:** Keep the chuck clean and free of dust and debris. Apply a small amount of grease to the SDS-Plus bit shanks before insertion to reduce wear.
- **Power Cord Inspection:** Regularly inspect the power cord for any damage, cuts, or fraying. If damaged, have it replaced by a qualified service technician.
- **Storage:** Store the tool and its accessories in the original carrying case in a dry, secure place, out of reach of children.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start.	No power supply; damaged cord; faulty switch.	Check power connection and outlet. Inspect cord for damage. If cord or switch is faulty, seek professional repair.
Reduced drilling performance.	Worn drill bit; incorrect mode selection; excessive pressure.	Replace worn drill bit. Ensure correct mode (Impact Drill for masonry). Apply appropriate pressure.
Bit gets stuck in workpiece.	Overheating; material too hard; bit jammed.	Use reversible function to free the bit. Reduce pressure. Allow tool to cool. Ensure correct bit for material.
Excessive vibration.	Loose auxiliary handle; worn bit; internal issue.	Tighten auxiliary handle. Replace worn bit. If problem persists, seek professional inspection.

7. SPECIFICATIONS

Model:	GY-RH-40040-1
Brand:	Goodyear
Power:	800 W
Voltage:	110 V
Impact Energy:	2.4 J

Impact Rate (no load):	4,200 bpm
No-Load Speed:	0 - 1,050 rpm
Drilling Capacity (Metal):	13 mm
Drilling Capacity (Concrete):	26 mm
Drilling Capacity (Wood):	30 mm
Power Cord Length:	2 meters
Weight:	3.2 kg
Included Components:	Carrying Case, 3 Drill Bits, 2 Chisels, Auxiliary Handle, Depth Gauge

8. WARRANTY

This Goodyear Rotary Hammer Drill GY-RH-40040-1 comes with a **12-month warranty** from the date of purchase. This warranty covers manufacturing defects and material faults under normal use. It does not cover damage caused by misuse, abuse, unauthorized repairs, or normal wear and tear.

Please retain your proof of purchase for warranty claims. For detailed warranty terms and conditions, refer to the documentation provided with your product or contact Goodyear customer support.

9. SUPPORT

For technical assistance, spare parts, or service inquiries, please contact Goodyear customer support. Refer to the contact information provided in your product packaging or visit the official Goodyear tools website.

When contacting support, please have your product model number (GY-RH-40040-1) and serial number (if applicable) ready to expedite the process.