

## RYOBI MC-355

# Ryobi 2200W Metal Cut Off Saw MC-355 User Manual

Model: MC-355

## 1. IMPORTANT SAFETY INFORMATION

Always observe basic safety precautions when using electrical tools to reduce the risk of fire, electric shock, and personal injury. Read all instructions carefully before operating this tool.

### General Safety Rules:

- **Wear appropriate personal protective equipment (PPE)** including safety glasses, hearing protection, and gloves.
- **Keep the 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.
- **Keep children and bystanders away** while operating a power tool. Distractions can cause you to lose control.
- **Ensure the tool is properly grounded** and use only approved extension cords suitable for outdoor use if necessary.
- **Avoid accidental starting.** Ensure the switch is in the off-position before plugging in or carrying the tool.
- **Do not overreach.** Keep proper footing and balance at all times.
- **Secure the workpiece.** Use clamps or a vise to hold the workpiece firmly.
- **Use the lock-off switch and spark guard** for enhanced user protection during operation.
- **Disconnect the plug from the power source** before making any adjustments, changing accessories, or storing power tools.

## 2. PRODUCT OVERVIEW

The Ryobi 2200W Metal Cut Off Saw is a robust tool designed for precise cutting of various metal materials. Its powerful 2200W motor and 355 mm cutting capacity make it suitable for demanding tasks in workshops,

construction sites, and for DIY projects. The durable construction and ergonomic design ensure reliable performance and comfortable operation.



**Image Description:** A three-quarter view of the Ryobi 2200W Metal Cut Off Saw. The saw features a large circular blade enclosed by a protective guard, with the Ryobi logo visible on the guard. The base includes a sturdy vise mechanism for securing workpieces and an adjustable fence. The motor housing and handle are visible at the rear, indicating its robust construction.

#### Key Features:

- Powerful 2200W motor for efficient cutting through metal.
- Large 355 mm cutting size for versatility in handling various materials.
- Durable construction designed to withstand rigorous use on job sites.
- Adjustable fence allows for precise and accurate cutting angles.
- Safety features such as a lock-off switch and spark guard for user protection.
- Ergonomic handle for comfortable operation.

## 3. SETUP

### 3.1 Unpacking

- Carefully remove the cut-off saw and all accessories from the packaging.
- Inspect the tool for any damage that may have occurred during shipping. Do not operate if damaged.
- Retain packaging materials for future storage or transport.

### 3.2 Assembly

- Place the saw on a stable, level workbench or stand.
- Ensure the base is securely fastened to prevent movement during operation.
- Verify all bolts and fasteners are tight before use.

### 3.3 Workspace Preparation

- Clear the work area of any obstructions and ensure adequate lighting.
- Ensure there is sufficient space for the workpiece and for safe operation.
- Position the saw so that sparks are directed away from flammable materials and personnel.

### 3.4 Blade Installation (if not pre-installed)

- **Always disconnect the saw from the power supply before changing blades.**
- Lift the blade guard and use the provided wrench to loosen the arbor nut.
- Remove the old blade (if applicable) and clean the arbor flanges.
- Install the new 355 mm abrasive cut-off wheel, ensuring the rotation arrow on the blade matches the direction of rotation indicated on the saw.
- Tighten the arbor nut securely, but do not overtighten.
- Lower the blade guard back into position.

## 4. OPERATING INSTRUCTIONS

### 4.1 Powering On/Off

- To turn the saw ON, press the trigger switch.
- To turn the saw OFF, release the trigger switch.
- The saw is equipped with a lock-off switch for safety. Engage it when the tool is not in use.

### 4.2 Adjusting the Fence

- Loosen the fence adjustment knob or lever.
- Slide the fence to the desired angle (e.g., 90 degrees for straight cuts, or specific angles for miter cuts).
- Tighten the adjustment knob/lever firmly to secure the fence in place.

### 4.3 Cutting Procedure

- **Secure the workpiece:** Place the metal workpiece firmly against the fence and secure it using the vise clamp. Ensure the material is stable and will not shift during the cut.

- **Start the saw:** With the blade clear of the workpiece, press the trigger switch to start the motor and allow the blade to reach full speed.
- **Make the cut:** Slowly and steadily lower the blade into the workpiece. Do not force the cut; let the blade do the work. Maintain a firm grip on the handle.
- **Complete the cut:** Continue lowering until the cut is complete.
- **Release and retract:** Release the trigger switch and allow the blade to stop completely before raising it from the workpiece.
- **Clear debris:** Wait for the saw to cool and for sparks to dissipate before removing cut pieces or clearing debris.

#### 4.4 Material Compatibility

This cut-off saw is designed for cutting various metal materials, including steel, aluminum, and other ferrous and non-ferrous metals. Always use the correct type of abrasive cut-off wheel for the specific material being cut.

## 5. MAINTENANCE

### 5.1 Cleaning

- **Always disconnect the saw from the power supply before cleaning.**
- Regularly clean the saw to remove metal dust and debris. Use a dry cloth or compressed air.
- Ensure ventilation openings are clear to prevent overheating.
- Do not use solvents or harsh chemicals that could damage plastic parts.

### 5.2 Blade Replacement

Refer to section 3.4 for detailed instructions on blade installation. Replace worn or damaged blades promptly to ensure safe and efficient cutting.

### 5.3 Storage

- Store the saw in a clean, dry, and secure location out of reach of children.
- Ensure the lock-off switch is engaged before storage.
- Protect the power cord from damage.

## 6. TROUBLESHOOTING

### Common Issues and Solutions:

- **Saw does not start:**
  - Check if the power cord is securely plugged into a working outlet.
  - Verify the circuit breaker has not tripped.
  - Ensure the lock-off switch is disengaged.
  - Inspect the power cord for damage.
- **Poor cutting performance / Excessive vibration:**

- The abrasive wheel may be worn or damaged; replace it.
- Ensure the workpiece is securely clamped.
- Check if the blade is installed correctly and the arbor nut is tight.
- Do not force the cut; allow the blade to work at its own pace.

• **Excessive sparking:**

- This is normal for metal cutting, but ensure the spark guard is in place.
- Ensure the blade is appropriate for the material being cut.
- Avoid excessive pressure during cutting.

• **Motor overheating:**

- Ensure ventilation openings are clear of dust and debris.
- Avoid prolonged heavy use without breaks.

If problems persist, contact customer support or a qualified service technician.

7. SPECIFICATIONS

Technical Data:

| Feature                        | Specification                                  |
|--------------------------------|------------------------------------------------|
| Brand                          | RYOBI                                          |
| Model Number                   | MC-355                                         |
| Power                          | 2200W                                          |
| Voltage                        | 230 Volts                                      |
| Blade Diameter                 | 355 mm                                         |
| Blade Material                 | Alloy Steel (Abrasive)                         |
| Surface Recommendation         | Metal                                          |
| Product Dimensions (L x W x H) | 55L x 34.5W x 45H centimetres                  |
| Included Components            | 1 x Ryobi 2200W Metal Cut Off Saw              |
| Special Feature                | Ergonomic Handle, Spark Guard, Lock-off Switch |

8. WARRANTY AND SUPPORT

8.1 Warranty Information

This product comes with a manufacturer's warranty. Please refer to the warranty card included with your purchase or visit the official RYOBI website for detailed warranty terms and conditions. Keep your proof of

purchase for warranty claims.

## **8.2 Customer Support**

For technical assistance, spare parts, or service inquiries, please contact RYOBI customer support. Contact details can typically be found on the product packaging, the official RYOBI website, or your local retailer's information.