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## Makita HS7611

# Makita HS7611 Portable Circular Saw User Manual

Model: HS7611

## 1. Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Makita HS7611 Portable Circular Saw. Please read this manual thoroughly before using the tool to ensure proper handling and to prevent injury or damage.




Figure 1: Makita HS7611 Portable Circular Saw. This image shows the complete circular saw, highlighting its ergonomic handle, blade guard, and base plate. The Makita logo is visible on the blade and housing.

## 2. Safety Instructions

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury.

### General Safety Rules:

- **Work Area Safety:** Keep the work area clean and well-lit. Cluttered or dark areas invite accidents.
- **Electrical Safety:** Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- **Personal Safety:** Stay alert, watch what you are doing, and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol, or medication.
- **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.

### Specific Circular Saw Safety Warnings:

- **Cutting Procedure:** Hold the power tool by insulated gripping surfaces when performing an operation where the cutting accessory may contact hidden wiring or its own cord.

- **Kickback:** Kickback is a sudden reaction to a pinched, bound, or misaligned saw blade. It can cause the saw to jump uncontrollably towards the operator. Always maintain a firm grip on the saw with both hands.
- **Blade Guard:** Always ensure the lower guard is properly closed before each use. Never defeat the purpose of the lower guard.

## 3. Component Identification

Familiarize yourself with the parts of your Makita HS7611 Circular Saw.

1. Main Handle (with trigger switch)
2. Auxiliary Handle
3. Blade Guard (Upper and Lower)
4. Saw Blade
5. Base Plate / Shoe
6. Depth Adjustment Lever
7. Bevel Adjustment Lever
8. Spindle Lock Button
9. Dust Extraction Port




Figure 2: Key components of the Makita HS7611. This image highlights the main handle, auxiliary handle, blade guard, and the dust extraction port, crucial for understanding the saw's operation and safety features.

## 4. Setup and Assembly

### 4.1. Installing the Saw Blade

1. Ensure the tool is unplugged from the power source.
2. Press the spindle lock button to secure the shaft.
3. Use the provided wrench to loosen the hex bolt counter-clockwise.
4. Lift the blade guard and remove the outer flange and saw blade.
5. Install the new saw blade, ensuring the teeth are pointing in the direction of rotation indicated by the arrow on the blade guard.
6. Replace the outer flange and tighten the hex bolt clockwise.

### 4.2. Adjusting Cutting Depth

To adjust the cutting depth, loosen the depth adjustment lever, move the base plate to the desired depth, and then securely tighten the lever. For optimal performance and safety, set the depth so that the blade extends approximately 1/8 inch (3 mm) below the material being cut.

### 4.3. Adjusting Bevel Angle

To adjust the bevel angle for miter cuts, loosen the bevel adjustment lever, tilt the saw to the desired angle (up to 45 degrees), and then securely tighten the lever.

## 5. Operating Instructions

### 5.1. Before Operation

- Inspect the saw blade for sharpness and damage.
- Ensure all adjustments are securely tightened.
- Wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, and a dust mask.
- Secure the workpiece firmly to prevent movement during cutting.

### 5.2. Making a Cut

1. Plug the tool into a suitable power outlet (230 Volts).
2. Align the saw blade with your cutting line.
3. Depress the trigger switch to start the saw. Allow the blade to reach full speed before beginning the cut.
4. Guide the saw smoothly and steadily through the workpiece. Do not force the saw.
5. Once the cut is complete, release the trigger switch and allow the blade to stop completely before lifting the saw from the workpiece.

### 5.3. Dust Extraction

The Makita HS7611 features an external dust extraction port. For low-dust work, connect a compatible vacuum cleaner or dust extractor to this port. This helps maintain a cleaner work environment and improves visibility of the cutting line.

## 6. Maintenance and Care

Regular maintenance ensures the longevity and safe operation of your circular saw.

### 6.1. Cleaning

- Always unplug the tool before cleaning.
- Clean the tool's ventilation openings regularly to prevent motor overheating.
- Remove sawdust and debris from the blade guard and base plate.

### 6.2. Blade Sharpening and Replacement

A dull blade can cause kickback and strain the motor. Replace or sharpen the blade when it becomes dull or damaged. Refer to Section 4.1 for blade installation instructions.

### 6.3. Storage

Store the tool in a dry, secure place out of reach of children. Protect it from direct sunlight and extreme temperatures.

## 7. Troubleshooting

This section addresses common issues you might encounter.

| Problem | Possible Cause | Solution |
|---|---|---|
| Saw does not start. | No power supply; faulty switch; carbon brushes worn. | Check power connection; contact authorized service center. |
| Blade binds or smokes during cut. | Dull blade; incorrect cutting depth; forcing the saw. | Replace/sharpen blade; adjust cutting depth; reduce feed rate. |
| Excessive vibration. | Damaged blade; loose components. | Inspect/replace blade; check all fasteners. |

## 8. Specifications

| Feature | Detail |
|---|---|
| Model Number | HS7611 |
| Power Source | Corded Electric |
| Voltage | 230 Volts |
| Wattage | 1600 Watts |
| No-Load Speed | 5500 RPM |
| Blade Diameter | 190 mm (7.5 inches) |
| Max Cutting Depth (90°) | 66 mm (2.6 inches) |
| Max Cutting Depth (45°) | 46 mm (1.8 inches) |
| Item Weight | 3.9 kg (8.58 pounds) |
| Dimensions (L x H) | 12.24"L x 10.28"H |
| Blade Material | High Speed Steel |
| Surface Recommendation | Wood |

## 9. Warranty and Support

Makita products are manufactured under strict quality control. In the unlikely event of a defect due to faulty materials or workmanship, please contact your local authorized Makita service center or retailer for assistance. Keep your proof of purchase for warranty claims.

For further support, visit the official Makita website or refer to the contact information provided with your purchase.

**Online Support:** www.makitatools.com/support

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