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Hitachi C10FCH2

Instruction Manual

HITACHI C10FCH2 15-AMP 10-INCH SINGLE BEVEL COMPOUND MITER SAW WITH LASER MARKER

Model: C10FCH2 | Brand: Hitachi

1. Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Hitachi C10FCH2 15-Amp 10-inch Single Bevel Compound Miter Saw with Laser Marker. Please read all instructions carefully before use to ensure proper handling and to prevent injury or damage.



Figure 1: Hitachi C10FCH2 10-inch Single Bevel Compound Miter Saw.

Video 1: Overview of the Hitachi 15-Amp 10-inch Single Bevel Compound Miter Saw. This video demonstrates the saw's general appearance and some of its key features, including the blade and adjustment mechanisms.

2. Product Features

- **Laser Marker System:** For enhanced cutting accuracy.
- **Powerful 15 Amp Motor:** Capable of handling demanding cutting tasks.
- **Wide Miter Angle Range:** 0-52 degrees to the right and left for increased flexibility.
- **Adjustable Bevel Angle Range:** 0-45 degrees to the left with adjustable bevel stops for precision cuts.
- **Ergonomic Horizontal Handle:** Features a soft, vibration-reducing elastomer grip for comfort and control.
- **Large Pivoting Flip Fence:** Raises 4 inches to support vertical cutting of crown molding.
- **Thumb-Actuated Positive Stops:** Facilitates quick and easy miter adjustments.

- **Dust Collector Attachment:** Helps minimize airborne particles during operation.
- **Lightweight Design:** Weighs only 26.5 pounds for improved maneuverability and portability.

3. Included Components

Your Hitachi C10FCH2 Miter Saw package includes the following items:

- 10-inch 24T TCT Saw Blade (Part No. 311128)
- Pivoting Flip Fence (Part No. 326704)
- Dust Bag (Part No. 322955)
- Vise Assembly (Part No. 322952)
- 10mm Box Wrench (Part No. 940543)
- 4mm Hex Bar Wrench (Part No. 944458)
- Material Support Extension (Part No. 321549)

Note: The hex wrench and box wrench are typically mounted on the tool for convenient storage.



Figure 2: Standard accessories included with the Hitachi C10FCH2 miter saw.

4. Setup

1. **Unpacking:** Carefully remove the miter saw and all included accessories from the packaging. Inspect for any shipping damage.
2. **Mounting:** Securely mount the miter saw to a stable workbench or a compatible miter saw stand (e.g., UU610, sold separately) using appropriate fasteners. Ensure the saw is level and stable before operation.
3. **Blade Installation:** Refer to the detailed instructions in the separate blade installation guide for safe and correct attachment of the 10-inch saw blade. Ensure the blade is clean and free from damage.
4. **Dust Bag Attachment:** Connect the dust bag to the saw's dust port to collect sawdust during operation.
5. **Power Connection:** Connect the saw to a suitable 120V power outlet. Ensure the power switch is in the OFF position before plugging in the tool.

5. Operating Instructions

5.1 Powering On/Off

To turn the saw ON, press the trigger switch. To turn it OFF, release the trigger switch. Always ensure the workpiece is properly secured and your hands are clear of the blade area before starting the saw.

5.2 Adjusting Miter Angle

The miter saw allows for angle adjustments from 0 to 52 degrees both to the left and right. To adjust:

1. Loosen the miter lock knob.
2. Rotate the turntable to the desired angle, using the scale for precision.
3. Utilize the thumb-actuated positive stops for common angles (e.g., 0°, 15°, 22.5°, 30°, 45°).
4. Tighten the miter lock knob securely before making a cut.



Figure 3: Miter angle gauge with positive stops for quick adjustments.

5.3 Adjusting Bevel Angle

The saw can bevel up to 45 degrees to the left. To adjust the bevel angle:

1. Loosen the bevel lock lever located at the rear of the saw.
2. Tilt the saw head to the desired angle, aligning with the bevel scale.
3. Tighten the bevel lock lever firmly to secure the angle.

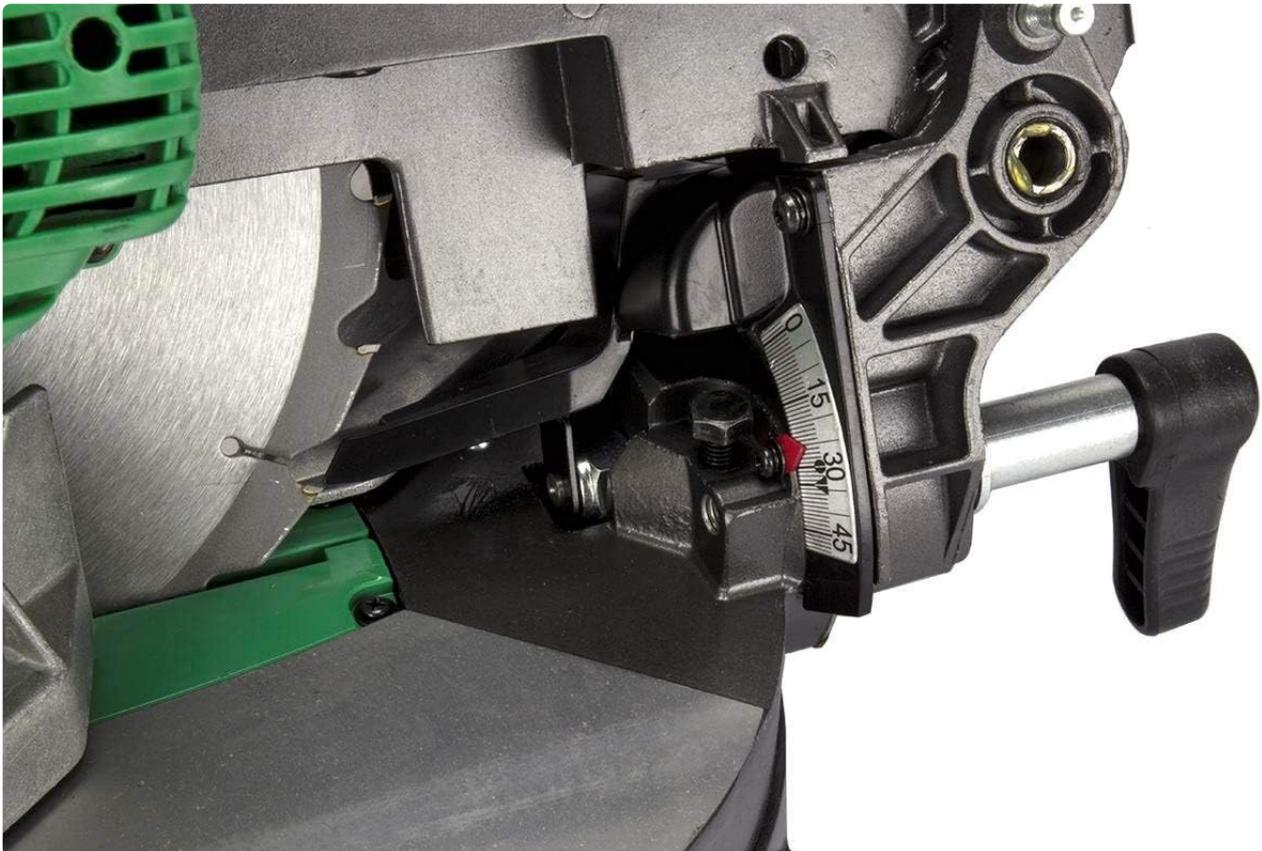


Figure 4: Bevel angle adjustment mechanism, allowing tilts up to 45 degrees left.

5.4 Using the Laser Marker System

The integrated laser marker system provides a precise visual guide for your cut line. To activate:

1. Locate the laser ON/OFF switch on the saw's motor housing.
2. Flip the switch to the ON position. A red laser line will project onto your workpiece, indicating the blade's path.
3. Align your pencil mark with the laser line for accurate cuts.

Note: Laser visibility may be reduced in bright lighting conditions.



Figure 5: Laser ON/OFF switch for activating the cut line guide.

5.5 Using the Pivoting Flip Fence

The pivoting flip fence can be raised to provide additional support for taller workpieces, such as crown molding cut vertically. Ensure the fence is securely positioned for your specific cutting application.



Figure 6: Pivoting flip fence in its raised position for supporting taller materials.

6. Maintenance

- **Cleaning:** Regularly clean the saw, especially the blade guard, dust port, and miter scale, to ensure smooth operation and accurate readings. Use a dry cloth or compressed air.
- **Dust Bag:** Empty the dust bag frequently to maintain effective dust collection.
- **Blade Inspection:** Periodically check the saw blade for sharpness, damage, or missing teeth. Replace dull or damaged blades immediately.
- **Carbon Brushes:** The motor's carbon brushes are accessible for inspection and replacement. Refer to the full user manual for detailed instructions on checking and replacing carbon brushes.
- **Lubrication:** Apply light machine oil to moving parts as recommended in the comprehensive manual to ensure smooth articulation.

7. Troubleshooting

- **Saw does not start:** Check power connection, ensure the trigger switch is fully depressed, and verify that the circuit breaker has not tripped.
- **Inaccurate cuts:** Ensure the miter and bevel angles are securely locked. Check the blade for damage or excessive wear. Verify the laser marker is calibrated correctly.
- **Excessive dust:** Ensure the dust bag is properly attached and not full. Clean the dust port if it appears clogged.
- **Motor overheating:** Allow the saw to cool down. Ensure proper ventilation around the motor. Avoid prolonged heavy cutting.

For more detailed troubleshooting steps, please consult the complete user manual or contact customer support.

8. Specifications

Feature	Specification
Brand	Hitachi
Model Number	C10FCH2
Power Source	Corded Electric
Voltage	120 Volts
Wattage	1520 watts
Item Weight	26.5 Pounds
Blade Length	10 Inches
Number of Teeth	24
Speed	5000 RPM
Miter Angle Range	0-52 Degrees (Left/Right)
Bevel Angle Range	0-45 Degrees (Left)
Product Dimensions	22.8"L x 17.6"W x 19.4"H
Surface Recommendation	Wood

Feature	Specification
Special Feature	Laser Marker, Brushless Motor

9. Warranty and Support

The Hitachi C10FCH2 Miter Saw comes with a **5-year limited warranty** and a **30-day satisfaction guarantee**. For warranty claims, technical support, or service inquiries, please contact Hitachi customer service.

Note: Hitachi Power Tools has been renamed to Metabo HPT. The quality and support for your tools remain consistent under the new brand.