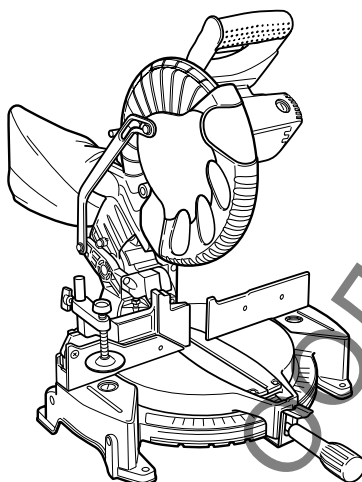


# HITACHI

Model **C 10FCH2**  
Modèle **C 10FCH2**  
Modelo **C 10FCE2**

(Laser Marker Equipment)  
(Équipement à marqueur laser)  
(Equipo con marcador láser)

**Compound Miter Saw**  
**Scie à onglets combinée**  
**Ingletadora**



## SAFETY INSTRUCTIONS AND INSTRUCTION MANUAL

### ⚠ WARNING

**IMPROPER OR UNSAFE** use of this power tool can result in death or serious bodily injury! This manual contains important information about product safety. Please read and understand this manual **BEFORE** operating the power tool. Please keep this manual available for other users and owners before they use the power tool. This manual should be stored in safe place.

## INSTRUCTIONS DE SECURITE ET MODE D'EMPLOI

### ⚠ AVERTISSEMENT

Une utilisation **INCORRECTE OU DANGEREUSE** de cet outil motorisé peut entraîner la mort ou de sérieuses blessures corporelles !  
Ce mode d'emploi contient d'importantes informations à propos de la sécurité de ce produit. Prière de lire et de comprendre ce mode d'emploi **AVANT** d'utiliser l'outil motorisé. Garder ce mode d'emploi à la disponibilité des autres utilisateurs et propriétaires avant qu'ils utilisent l'outil motorisé. Ce mode d'emploi doit être conservé dans un endroit sûr.

## INSTRUCCIONES DE SEGURIDAD Y MANUAL DE INSTRUCCIONES

### ⚠ ADVERTENCIA

¡La utilización **INAPROPIADA O PELIGROSA** de esta herramienta eléctrica puede resultar en lesiones de gravedad o la muerte!  
Este manual contiene información importante sobre la seguridad del producto. Lea y comprenda este manual **ANTES** de utilizar la herramienta eléctrica. Guarde este manual para que puedan leerlo otras personas antes de utilizar la herramienta eléctrica. Este manual debe ser guardado en un lugar seguro.



DOUBLE INSULATION  
DOUBLE ISOLATION  
AISLAMIENTO DOBLE

**Hitachi Koki**

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English

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### HITACHI AUTHORIZED SERVICE CENTERS

Service under this warranty is available from Hitachi Koki U.S.A., Ltd. at:

#### IN THE U.S.A.

3950 Steve Reynolds Blvd. Norcross, GA 30093

9409 Owensmouth Ave. Chatsworth, CA 91311

OR CALL: (800) 829-4752 for a service center nearest you.

#### IN CANADA

450 Export Blvd. Unit B, Mississauga, ON L5T 2A4

OR CALL: (800) 970-2299 for a service center nearest you.

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### CENTRES TECHNIQUES HITACHI AGRÉÉS

La réparation est réalisée dans le cadre de cette garantie par Hitachi Koki U.S.A., Ltd.:

#### AUX ETATS-UNIS

3950 Steve Reynolds Blvd. Norcross, GA 30093

9409 Owensmouth Ave. Chatsworth, CA 91311

OU APPELEZ LE: (800) 829-4752 pour connaître le centre technique le plus proche de chez vous.

#### AU CANADA

450 Export Blvd. Unit B, Mississauga, ON L5T 2A4

OU APPELEZ LE: (800) 970-2299 pour connaître le centre technique le plus proche de chez vous.

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#### EN EE. UU.

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9409 Owensmouth Ave. Chatsworth, CA 91311

O LLAME AL: (800) 829-4752 para informarse del centro de reparaciones más cercano.

#### EN CANADA

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O LLAME AL: (800) 970-2299 para informarse del centro de reparaciones más cercano.

## IMPORTANT SAFETY INFORMATION

Read and understand all of the safety precautions, warnings and operating instructions in the Instruction Manual before operating or maintaining this power tool.

Most accidents that result from power tool operation and maintenance are caused by the failure to observe basic safety rules or precautions. An accident can often be avoided by recognizing a potentially hazardous situation before it occurs, and by observing appropriate safety procedures.

Basic safety precautions are outlined in the "SAFETY" section of this Instruction Manual and in the sections which contain the operation and maintenance instructions.

Hazards that must be avoided to prevent bodily injury or machine damage are identified by WARNINGS on the power tool and in this Instruction Manual.

**Never** use this power tool in a manner that has not been specifically recommended by HITACHI.

## MEANINGS OF SIGNAL WORDS

**WARNING** indicates a potentially hazardous situations which, if ignored, could result in death or serious injury.

**CAUTION** indicates a potentially hazardous situations which, if not avoided, may result in minor or moderate injury, or may cause machine damage.

**NOTE** emphasizes essential information.

# SAFETY

## IMPORTANT SAFETY INSTRUCTIONS FOR USING ALL POWER TOOLS

**READ ALL OF THE WARNINGS AND OPERATING INSTRUCTIONS IN THIS MANUAL BEFORE OPERATING OR MAINTAINING THIS TOOL:**

### ⚠ **WARNING:**

When using this electric tool, take all necessary precautions to minimize the risk of electric shock or other personal injury. In particular, always comply with the following safety rules:

1. **ALWAYS KEEP GUARDS IN PLACE** and in working order.
2. **ALWAYS REMOVE ADJUSTING KEYS AND WRENCHES BEFORE STARTING TOOL.** Always confirm that all keys and adjusting wrenches have been removed from the tool before it is turned on.
3. **ALWAYS KEEP WORK AREA CLEAN.** Avoid injuries by not cluttering the work areas and work benches.
4. **NEVER USE TOOL IN HAZARDOUS ENVIRONMENTS.** Never use the power tool in damp or wet places and never expose it to rain. Always keep the work area well lit.
5. **NEVER PERMIT CHILDREN OR OTHERS TO LOITER NEAR THE WORK AREA.** Keep all people (especially children) away from the work area. Always unplug unattended tools and keep the work place tamper-proof by installing locks on the doors and on the master switches.
6. **NEVER FORCE THE TOOL.** It will do the job better and more safely if it is operated at the rate for which it was designed.
7. **ALWAYS USE THE RIGHT TOOLS.** Never force a tool or an attachment to do a job for which it was not designed.
8. **ALWAYS WEAR PROPER APPAREL WHEN WORKING WITH THE TOOL.** Never wear loose clothing, gloves, neckties, rings, bracelets or other jewelry which may get caught in the moving parts. Always wear non-slip footwear, preferably with steel toes. Wear protective hair covering to contain long hair.
9. **ALWAYS USE EYE PROTECTION WHEN WORKING WITH THE TOOL TO PREVENT EYE INJURY.** Ordinary eyeglasses do not provide adequate protection because the lenses are not made of safety glass. Also, use a face mask for additional safety and wear a dust mask if the cutting operation produces dust.
10. **ALWAYS SECURE THE WORKPIECE TO THE FENCE OR THE TABLE.** Use clamps or a vise to hold the workpiece in place. It is safer than using your hand and it frees both hands to operate the tool.
11. **NEVER OVERREACH.** Always keep proper footing and balance when working with the tool.
12. **ALWAYS MAINTAIN TOOLS WITH CARE.** Always keep tools sharp and clean for the best and safest performance. Always follow instructions for lubricating the tool and for changing accessories.
13. **ALWAYS DISCONNECT THE TOOL** before servicing and before changing blades or other accessories.
14. **NEVER RISK UNINTENTIONAL STARTING WHEN PLUGGING IN THE TOOL.** Always confirm that the switch is in the OFF position before inserting the power plug into the receptacle.
15. **ALWAYS USE RECOMMENDED ACCESSORIES ONLY WHEN OPERATING THIS TOOL.** Consult this instruction manual for descriptions of recommended accessories. To avoid personal injuries, use only recommended accessories in conjunction with this tool.
16. **NEVER STAND ON THE TOOL.** Prevent serious injury by not tipping the tool and by not risking unintentional contact with the saw blade.
17. **ALWAYS CHECK FOR DAMAGED PARTS BEFORE USING THE TOOL.** Always check the guard and all other components for damage before using the tool to assure that they will function properly. Check all moving parts for proper alignment, freedom from binding and other conditions that might affect proper operation. Always repair or replace any damaged guards or other damaged components before using the tool.
18. **ALWAYS CONFIRM THE ROTATION DIRECTION OF THE BLADE BEFORE USING THE TOOL.** Always feed work into the tool against the rotation direction of the blade in order to prevent possible injury.
19. **NEVER LEAVE THE TOOL RUNNING WHILE UNATTENDED. TURN POWER OFF.** Do not leave tool until it comes to a complete stop. Always turn the power off when the tool is not in use. Always unplug the power cord when the tool is not in use.
20. This tool was not designed to be used for mass-production applications and should not be used in mass-production environments.
21. When servicing this tool, use only authorized replacement parts.
22. Apply 120 volts AC only to this tool. Applying the wrong voltage or applying DC power can cause the POWER TOOL to operate improperly and cause serious personal injury or damage to the tool.
23. Never raise the saw blade from the workpiece until it has first come to a complete stop.
24. Always use outboard stands to provide support for long workpieces that overhang the table of the slide compound miter saw.
25. Always return the carriage to the full rear position after each crosscut operation in order to reduce the risk of injury.
26. **POLARIZED PLUGS** To reduce the risk of electric shock, this equipment has a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.

### Specific Safety Rules for Use of this Power Tool

#### ⚠ **WARNING:**

The following specific operating instructions must be observed when using this POWER TOOL in order to avoid injury:

#### DO's

#### **ALWAYS OBSERVE THE FOLLOWING RULES TO ASSURE SAFE USE OF THIS TOOL:**

1. Review this Manual and familiarize yourself with the safety rules and operating instructions for this POWER TOOL before attempting to use it.
2. Always confirm that the POWER TOOL is clean before using it.
3. Always wear snug-fitting clothing, non-skid footwear (preferably with steel toes) and eye protection when operating the POWER TOOL.
4. Always handle the POWER TOOL carefully. If the POWER TOOL falls or strikes against a hard object, it might become deformed or cracked or sustain other damage.
5. Always cease operating the saw at once, if you notice any abnormality whatsoever.
6. Always confirm that all components are mounted properly and securely before using the tool.

7. When replacing the saw blade, always confirm that the rpm rating of the new blade is correct for use on this tool.
8. Always shut off the power and wait for the saw blade to completely stop rotating before doing any maintenance or adjustments.
9. Always clamp or otherwise secure the workpiece to the fence; otherwise the workpiece might be thrust from the table and cause bodily harm.
10. During miter or bevel cutting, always wait for the rotation of the blade to stop completely before lifting the saw blade.
11. Always make a trial run first before attempting any new use of the saw.
12. Always handle the saw blade with care when dismounting and mounting it.
13. Always confirm that the workpiece is free of nails or other foreign objects before beginning a cut.
14. Always keep your hands out of the path of the saw blade.
15. Always confirm that the lower guard is in the proper place before using the saw.
16. Inspect the tool power cords periodically.
17. Always confirm that the proper lengths and types of extension cords are being utilized, if necessary, before starting the tool.
18. Always confirm that the motor air vents are fully open before using the tool.
19. Always wait until the motor has reached full speed before starting a cut.
20. Always keep the handles dry, clean and free of oil and grease. Hold the tool firmly when in use.
21. Always use outboard stands to provide support for long workpieces that overhang the table of the compound miter saw.
22. Always operate the tool after ensuring the workpiece is fixed properly with a vise assembly.
23. The operating instructions provided with the tool shall direct the user to secure the tool to supporting structure if, during normal operation, there is a tendency for the tool to tip over, slide, or walk on the supporting surface.
8. Never remove any safety devices or blade guards; use of the tool without them would be hazardous.
9. Never lock the lower guard; always confirm that it slides smoothly before using the tool.
10. Never damage the power cord of the tool.
11. Never attempt to move a plugged-in POWER TOOL while your finger is on the starting switch.
12. Never use the POWER TOOL if the starting switch does not turn on and off properly.
13. Never use the POWER TOOL if the plastic housing or the handle is cracked or deformed.
14. Never use the POWER TOOL near flammable liquids or gases because sparking can cause an explosion.
15. Never clean plastic components with solvents because the plastic may dissolve.
16. Never operate the saw unless all the lower guards are in place.
17. Never raise the saw blade from the workpiece until it has first come to a complete stop.
18. When slide cutting, never pull the handle toward the operator, since this could cause the saw blade to kick up from the workpiece. Always push the handle away from the operator in a single, smooth motion.
19. Never place your limbs inside of the line next to warning sign "⚠" while the tool is being operated. This may cause hazardous conditions.
20. Never use abrasive type blades on this saw.
21. Never expose to rain or use in damp locations.
22. Never cut ferrous metals or masonry.



#### WARNING

**FOR YOUR OWN SAFETY READ THIS INSTRUCTION MANUAL BEFORE OPERATING THE COMPOUND MITER SAW**

1. Always wear eye protection when using the compound miter saw.
2. Always keep hands out of the path of the saw blade.
3. Never operate the saw without the guards in place.
4. Never perform any freehand operation with the compound miter saw.
5. Never reach around the saw blade.
6. Always turn off tool and wait for saw blade to stop before moving workpiece or changing settings.
7. Always disconnect power before changing blade or servicing.
8. Saw blade diameter is 10 in. (255mm).
9. No load speed is 5000/min.
10. To reduce the risk of injury, return carriage to the full rear position after each crosscut operation.

#### REPLACEMENT PARTS

When servicing use only identical replacement parts. Repairs should be conducted only by a Hitachi authorized service center.

#### DON'Ts

#### NEVER VIOLATE THE FOLLOWING RULES TO ASSURE SAFE USE OF THIS TOOL:

1. Never operate the POWER TOOL unless you fully understand the operating instructions contained in this Manual.
2. Never leave the POWER TOOL unattended without first unplugging the power cord.
3. Never operate the POWER TOOL when you are tired, after you have taken any medications, or have consumed any alcoholic beverages.
4. Never use the POWER TOOL for applications not specified in the instruction manual.
5. Never operate the tool while wearing loose clothing, a necktie or jewelry, or while your hair is uncovered, to protect against getting caught in the moving machinery.
6. Never reach around the saw blade.
7. Never touch any moving parts, including the blade, while the saw is in use.

#### USE PROPER EXTENSION CORD

Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. Table shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gage. The smaller the gage number, the heavier the cord.

#### MINIMUM GAGE FOR CORD SETS

		Total Length of Cord in Feet (Meter)			
		0 – 25 (0 – 7.6)	26 – 50 (7.9 – 15.2)	51 – 100 (15.5 – 30.5)	101 – 150 (30.8 – 45.7)
Ampere Rating		AWG			
More Than	Not More Than				
	0 – 6	18	16	16	14
	6 – 10	18	16	14	12
	10 – 12	16	16	14	12
	12 – 16	14	12	Not Recommended	

#### ⚠ WARNING:

Avoid electrical shock hazard. Never use this tool with a damaged or frayed electrical cord or extension cord. Inspect all electrical cords regularly. Never use in or near water or in any environment where electric shock is possible.

#### DOUBLE INSULATION FOR SAFER OPERATION

To ensure safer operation of this power tool, HITACHI has adopted a double insulation design. "Double insulation" means that two physically separated insulation systems have been used to insulate the electrically conductive materials connected to the power supply from the outer frame handled by the operator. Therefore, either the symbol "⏏" or the words and "Double insulation" appear on the power tool or on the nameplate. Although this system has no external grounding, you must still follow the normal electrical safety precautions given in this Instruction Manual, including not using the power tool in wet environments.

To keep the double insulation system effective, follow these precautions:

- \* Only HITACHI AUTHORIZED SERVICE CENTER should disassemble or assemble this power tool, and only genuine HITACHI replacement parts should be installed.
- \* Clean the exterior of the power tool only with a soft cloth moistened with soapy water and dry thoroughly.
- \* Never use solvents, gasoline or thinners on plastic components; otherwise the plastic may dissolve.

## SAVE THESE INSTRUCTIONS AND MAKE THEM AVAILABLE TO OTHER USERS AND OWNERS OF THIS TOOL!

### OPERATION AND MAINTENANCE

**NOTE:**

The information contained in this Instruction Manual is designed to assist you in the safe operation and maintenance of the power tool. Some illustrations in this Instruction Manual may show details or attachments that differ from those on your own power tool.

#### NAME OF PARTS

MODEL C10FCH2/MODEL C10FCE2

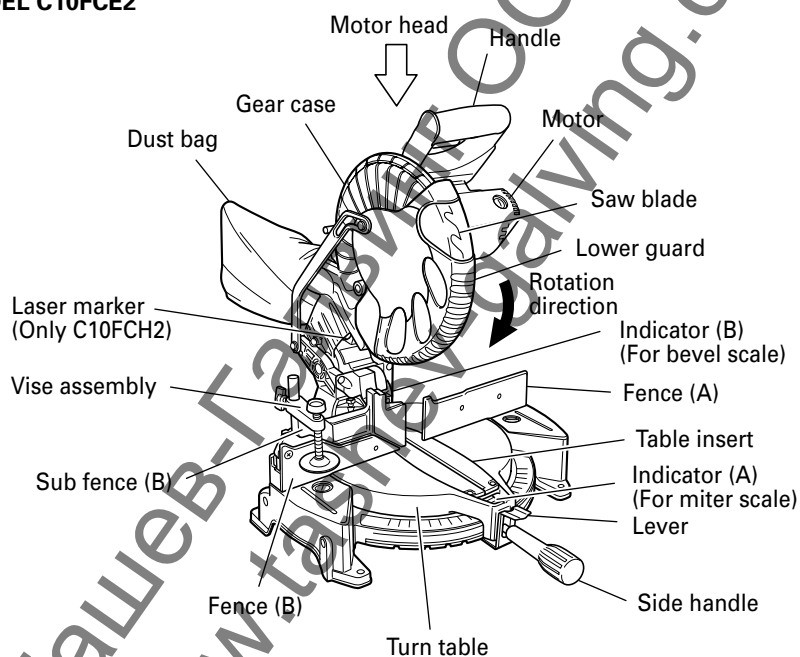


Fig. 1

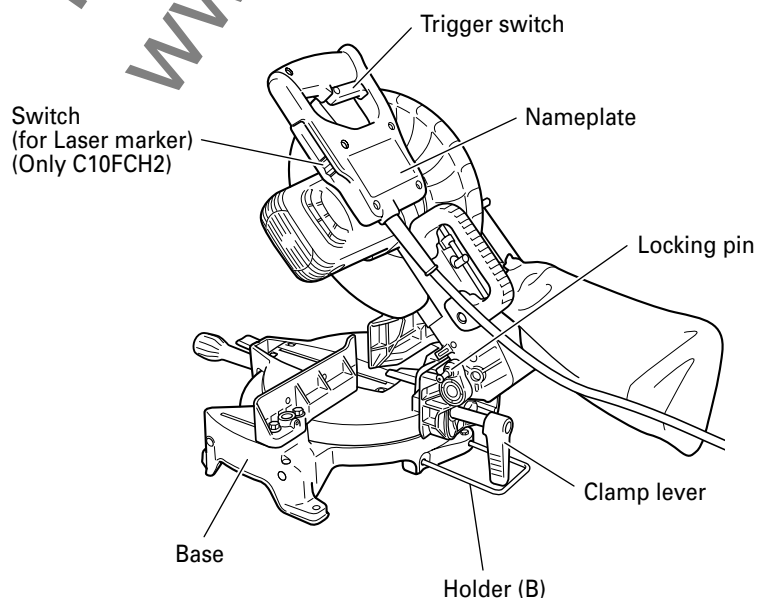


Fig. 2

## SPECIFICATIONS

Item	Model	C 10FCH2 / C 10FCE2			
Motor	Type	Series commutator motor			
	Power source	Single-phase AC 60Hz			
	Voltage (Volts)	120			
	Full-load current (Amp)	15			
	Laser Marker (Only Model C10FCH2)	Maximum output	<1mW CLASS II Laser Product		
	Wave length	400 – 700 nm			
	Laser medium	Laser Diode			
Applicable saw blade	Outside Dia. 10 in. (255mm) Hole Dia. 5/8 in. (15.9mm)				
No load speed	5000/min				
Max. sawing dimension		Head	Turntable	Max. sawing dimension	
	Miter	0	0	Max. Height	2-5/16 in. (59mm)
				Max. Width	5-21/32 in. (144mm)
				or	
				Max. Height	3-1/2 in. (89mm)
			Max. Width	3-31/32 in. (101mm)	
		0	Left 45°	Max. Height	2-5/16 in. (59mm)
				Max. Width	4 in. (102mm)
Bevel	Left 45°	0	Max. Height	1-5/8 in. (41mm)	
			Max. Width	5-21/32 in. (144mm)	
Compound	Left 45°	Left 45°	Max. Height	1-5/8 in. (41mm)	
			Max. Width	4 in. (102mm)	
Miter sawing range	Left 0° – 52° Right 0° – 52°				
Bevel sawing range	Left 0° – 45°				
Compound sawing range	Left (Bevel) 0° – 45°, Left and Right (Miter) 0° – 45°				
Net weight	26.5 lbs. (12 kg) / 26.3 lbs. (11.9 kg)				
Cord	2 Conductor type cable 6ft. (1.8m)				

## ACCESSORIES

### ⚠ WARNING:

Accessories for this power tool are mentioned in this Instruction Manual.

The use of any other attachment or accessory can be dangerous and could cause injury or mechanical damage.

## STANDARD ACCESSORIES

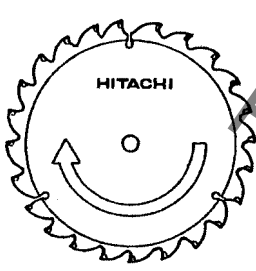

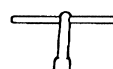
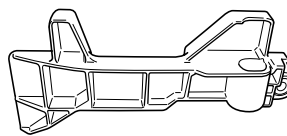
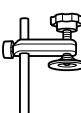


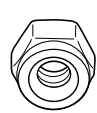

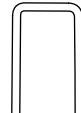
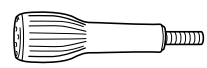
<b>① 10 in. (255mm) TCT Saw blade (1 piece) (For wood)</b>    (No. of teeth 24 Code No. 318963)	<b>② Dust bag (1 piece)</b>    For how to use, refer to page 13.	<b>④ 10mm BOX wrench (1 piece)</b>  	<b>⑥ Sub fence (1 piece)</b>  
	<b>③ Vise Assembly w/knob bolt (1 piece)</b>    For how to use, refer to page 10.	<b>⑤ 4mm Hex. bar wrench (Only C10FCH2)</b>    For how to use, refer to page 10.	<b>⑦ Flat screw (1 piece)</b>  
<b>⑧ M6 Nylon nut (1 piece)</b>  	<b>⑨ Plate (A) (1 piece)</b>  	<b>⑩ Holder (B) (1 piece)</b>  	<b>⑪ Side handle (1 piece)</b>  

Fig. 3

**OPTIONAL ACCESSORIES...sold separately**

- ① Extension Holder and Stopper (Code No. 322710)
- ② Saw blade 10 in. (255mm) TCT Saw blade for wood cut (Total teeth: 60) (Code No. 976472)
- ③ Saw blade 10 in. (255mm) TCT Saw blade for aluminum cut (Total teeth: 100) (Code No. 319658)
- ④ Crown molding Vise Ass'y (Code No. 322712) (Include Crown molding Stopper (L))
- ⑤ Crown molding Stopper (L) (Code No. 322713)
- ⑥ Crown molding Stopper (R) (Code No. 322714)

**NOTE:**

Accessories are subject to change without any obligation on the part of the HITACHI.

**APPLICATIONS**

Wood and aluminum sash.

**PREPARATION BEFORE OPERATION**

Make the following preparations before operating the power tool:

1. Installation

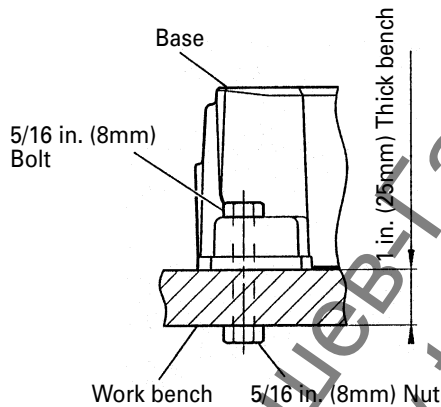
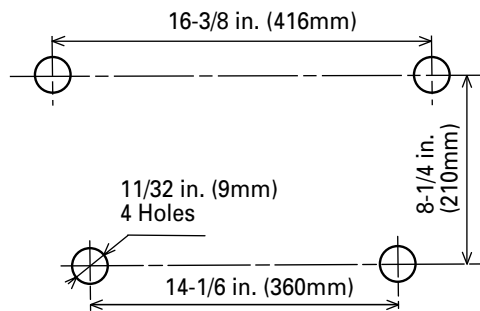


Fig. 4

Attach the power tool to a level, horizontal work bench in accordance with Fig. 4.

Select 5/16 in. (8mm) diameter bolts suitable in length for the thickness of the work bench.

Bolt length should be at least 1-3/8 in. (35mm) plus the thickness of the work bench.

For example, use 2-11/32 in. (60mm) or larger bolts for a 1 in. (25mm) thick work bench.

The holder attached to the rear of the base helps stabilize the power tool.

**Holder (B), clamp lever adjustment:**

Attach the included holder (B) in the position as shown in figure 5 and adjust the holder (B) until its bottom surface contacts the work bench surface. After adjustments, securely tighten the 6mm bolt with the included 10mm box wrench. Loosen the M6 × 20 screw on the clamp lever and attach to a position where the clamp lever can be easily operated.

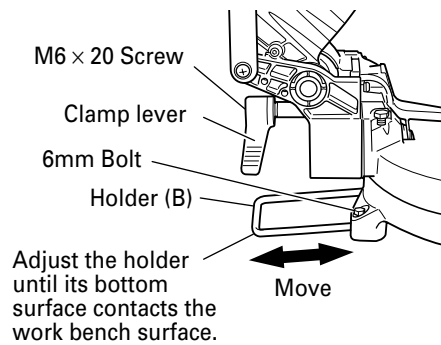


Fig. 5-a

**Install the side handle**

Remove the M10 bolt and install the side handle that came enclosed with this unit.

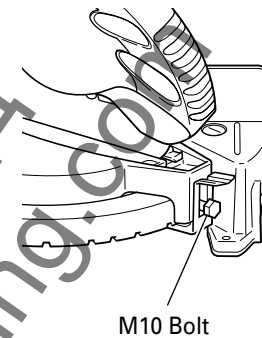


Fig. 5-b

**Install the sub fence (B)**

In the case of direct angle cutting and angle cutting, use the sub fence. The sub fence (B) can be installed on the right side of the guide fence (B). Place the attached plate (A) in the position as shown in figure 5-c, insert the tip in the groove of fence (B) and simultaneously, insert flathead screw M6 into fence (B), sub fence (B), and plate (A), then tighten nylon nut M6 with the included 10mm box wrench until the sub fence (B) can smoothly rotate. Then, you can realize stable cutting of the material with a wide back face.

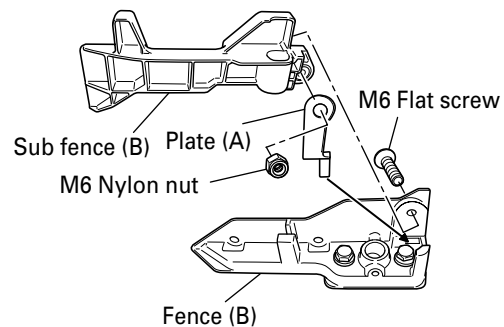


Fig. 5-c

2. Releasing the locking pin

When the power tool is prepared for shipping, its main parts are secured by a locking pin.

Move the handle slightly so that the locking pin can be disengaged.

**NOTE:**

Lowering the handle slightly will enable you to disengage the locking pin more easily and safely.

The lock position of the locking pin is for carrying and storage only.

**CAUTION:**

Attach the power tool to a work bench with bolts (6mm), and if the turntable has been swiveled 45° degrees or more, be careful not to let the hand that is holding the side handle get caught between the side handle and heads of bolts (6mm). Injuries could result.

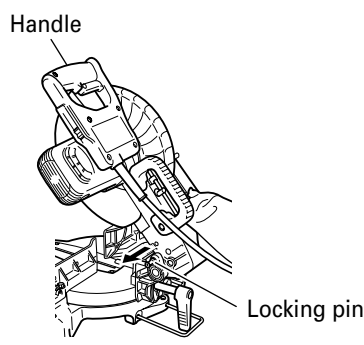


Fig. 6

3. Installing the dust bag, holder, stopper and vises  
(The holder and stopper are optional accessories.)  
Attach the dust bag and vise assembly as indicated in Fig. 1 and Fig. 2.

### BEFORE USING

1. Make sure the power source is appropriate for the tool.

#### ⚠ WARNING:

Never connect the power tool unless the available AC power source is of the same voltage as that specified on the nameplate of the tool.

Never connect this power tool to a DC power source.

2. Make sure the trigger switch is turned OFF.

#### ⚠ WARNING:

If the power cord is connected to the power source with the trigger switch turned ON the power tool will start suddenly and can cause a serious accident.

3. Check the saw blade for visible defects.  
Confirm that the saw blade is free of cracks or other visible damage.
4. Confirm that the saw blade is attached securely to the power tool.  
Using the supplied 10mm box wrench, tighten the bolt on the saw blade spindle to secure the saw blade.  
For details, see Fig. 33-a, Fig. 33-b, Fig. 33-c and Fig. 33-d in the section on "SAW BLADE MOUNTING AND DISMOUNTING".
5. Check the lower guard for proper operation.  
Lower guard is designed to protect the operator from coming into contact with the saw blade during operation of the tool.  
Always check that the lower guard moves smoothly and covers the saw blade properly.

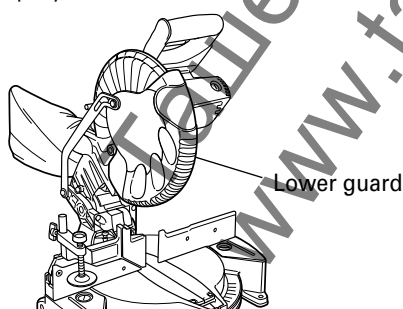


Fig. 7

#### ⚠ WARNING:

NEVER OPERATE THE POWER TOOL if the safety cover does not function smoothly.

6. Confirm the position of the spindle lock before using the tool.  
After installing the saw blade, confirm that the spindle lock has been returned to the retract position before using the power tool (see Fig. 33-b).
7. Check the Power Receptacle.  
To prevent overheating, accidental stopping or intermittent operation, confirm that the power cord plug fits properly in the electrical receptacle and does not fall out after it is inserted. Repair or replace the receptacle if it is faulty.

8. Confirm the tool's power cord is not damaged.  
Repair or replace the power cord if an inspection indicates that it is damaged.

### AFTER CONNECTING THE POWER PLUG TO AN APPROPRIATE AC POWER SOURCE, CHECK THE OPERATION OF THE TOOL AS FOLLOWS:

9. Trial Run  
After confirming that no one is standing behind, the power tool start and confirm that no operating abnormalities exist before attempting a cutting operation.
10. Inspect the rotating stability of the saw blade.  
For precise cutting, rotate the saw blade and check for deflection to confirm that the blade is not noticeably unstable; otherwise vibrations might occur and cause an accident.

### BEFORE CUTTING

1. Oblique angle  
Before the power tool is shipped from the factory, it is adjusted for 0°, left 45° bevel cutting angle with the 8mm bolt (A) and the 8mm bolt (B).  
When changing the adjustment, change the height of the 8mm bolt (A) or the 8mm bolt (B) by turning them. (Fig. 8-a, Fig. 8-b)

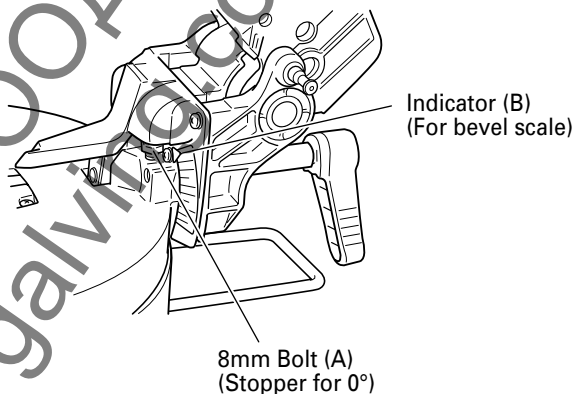


Fig. 8-a

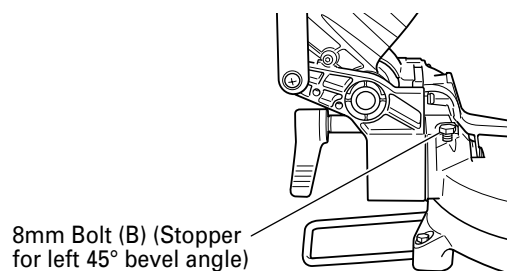


Fig. 8-b

2. Securing the workpiece

#### ⚠ WARNING:

Always clamp or vise to secure the workpiece to the fence; otherwise the workpiece might be thrust from the table and cause bodily harm.

3. Installing the holders ... (Optional accessory)  
The holders help keep longer workpieces stable and in place during the cutting operation.
  - (1) As indicated in Fig. 9, use a steel square for aligning the upper edge of the holders with the base surface.  
Loosen the 6mm wing nut. Turn a height adjustment bolt 6mm, and adjust the height of the holder.
  - (2) After adjustment, firmly tighten the wing nut and fasten the holder with the 6mm wing bolt (optional accessory). If the length of Height Adjustment Bolt 6mm is insufficient, spread a thin plate beneath. Make sure the end of Height Adjustment Bolt 6mm does not protrude from the holder.



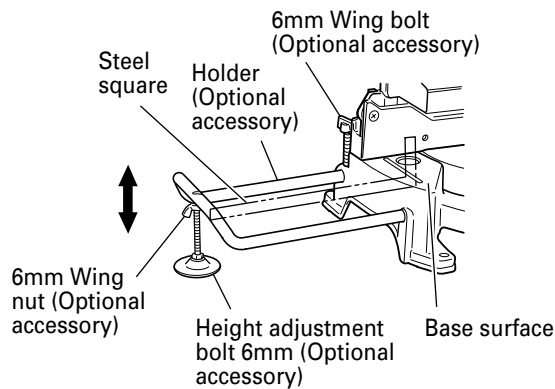


Fig. 9

4. Stopper for precision cutting ... (Stopper and holder are optional accessory)  
The stopper facilitates continuous precision cutting in lengths of 11 in. to 17-3/4 in. (280mm to 450mm).  
To install the stopper, attach it to the holder with the 6mm wing bolt as shown in Fig. 10.

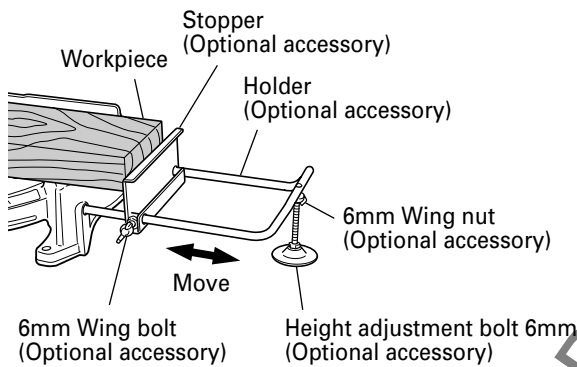


Fig. 10

5. Confirmation for use of sub fence (B) ... (Standard accessory)

**WARNING:**

In the case of left bevel cutting, rotate the sub fence (B). Supposing it is not able to rotate it, it will contact the blade or some part of the tool, causing in serious injury to operator.

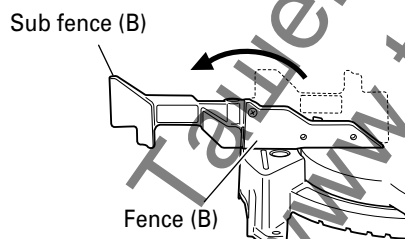


Fig. 11

6. Position adjustment of laser line (Only Model C10FCH2)

**WARNING:**

- \* Make sure before plugging the power plug into the receptacle that the main body and the laser marker are turned off.
- \* Exercise utmost caution in handling a switch trigger for the position adjustment of the laser line, as the power plug is plugged into the receptacle during operation.  
If the switch trigger is pulled inadvertently, the saw blade can rotate and result in unexpected accidents.
- \* Do not remove the laser marker to be used for other purposes.

**CAUTION:**

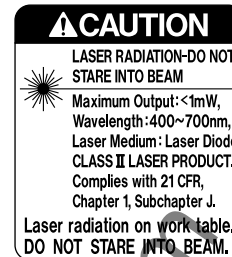
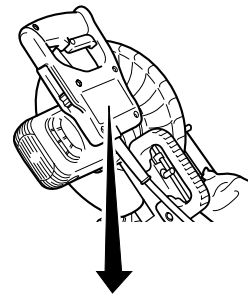


Fig. 12

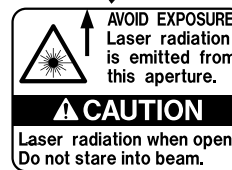
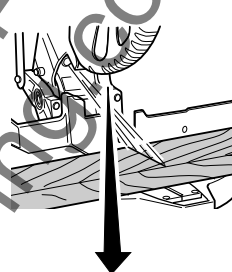


Fig. 13

- \* Laser radiation — Do not stare into beam.
- \* Laser radiation on work table. Do not stare into beam.  
If your eye is exposed directly to the laser beam, it can be hurt.
- \* Do not dismantle it.
- \* Do not give strong impact to the laser marker (main body of tool); otherwise, the position of a laser line can go out of order, resulting in the damage of the laser marker as well as a shortened service life.
- \* Keep the laser marker lit only during a cutting operation. Prolonged lighting of the laser marker can result in a shortened service life.
- \* Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

**NOTE:**

- \* Perform cutting by overlapping the ink line with the laser line.
- \* When the ink line and the laser line are overlapped, the strength and weakness of light will change, resulting in a stable cutting operation because you can easily discern the conformity of lines. This ensures the minimum cutting errors.
- \* In outdoor or near-the-window operations, it may become difficult to observe the laser line due to the sunlight. Under such circumstances, move to a place that is not directly under the sunlight and engage in the operation.
- \* Do not tug on the cord behind the motor head or hook your finger, wood and the like around it; otherwise, the cord may come off and the laser marker may not be lit up.

Ink lining can be easily made on this tool to the laser marker. A switch lights up the laser marker. (Fig. 14)  
Depending upon your cutting choice, the laser line can be aligned with the left side of the cutting width (saw blade) or the ink line on the right side.

The laser line is adjusted to the width of the saw blade at the time of factory shipment. Adjust the positions of the saw blade and the laser line taking the following steps to suit the use of your choice.

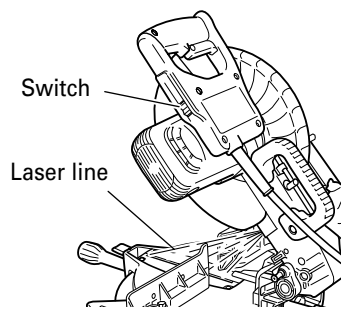


Fig. 14

- (1) Light up the laser marker and make a groove of about 3/16 in. (5mm) deep on the workpiece that is about 1-1/2 in. (38mm) in height and 3-1/2 in. (89mm) in width. Hold the grooved workpiece by vise as it is and do not move it.

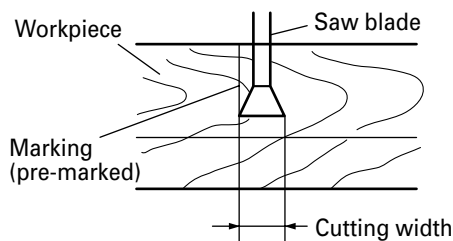


Fig. 15

- (2) Then insert a 4mm hex. bar wrench in the 12 diameter hole on the side of the gear case, turn the hex. socket set screw to move the laser line. (If you turn the Hex. socket screw clockwise, the laser line will shift to the right and if you turn it counterclockwise, the laser line will shift to the left.) When you work with the ink line aligned with the left side of the saw blade, align the laser line with the left end of the groove. (Fig. 16) When you align it with the right side of the saw blade, align the laser line with the right side of the groove.

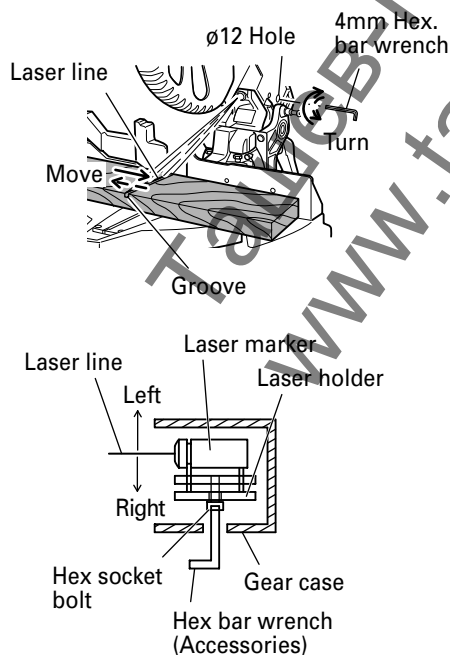


Fig. 16

- (3) After adjusting the position of the laser line, draw a right-angle ink line on the workpiece and align the ink line with the laser line. When aligning the ink line, slide the workpiece little by little and secure it by vise at a position where the laser line overlaps with the ink line. Work on the grooving again and check the position of the laser line. If you wish to change the laser line's position, make adjustments again following the steps from (1) to (3).

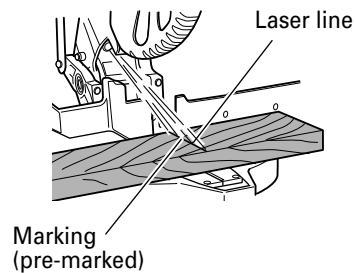


Fig. 17

**NOTE:**

Check and make sure on a periodic basis if the position of the laser line is in order. As regards the checking method, draw a right-angle ink line on the workpiece with the height of about 1-1/2 in. (38mm) and the width of 3-1/2 in. (89mm), and check that the laser line is in line with the ink line [The deviation between the ink line and the laser line should be less than the ink line width (0.5mm)]. (Fig. 17)

**PRACTICAL APPLICATIONS****⚠ WARNING:**

- \* To avoid personal injury, never remove or place a workpiece on the table while the tool is being operated.
- \* Never place your limbs inside of the line next to warning sign while the tool is being operated. This may cause hazardous conditions (see Fig. 18).

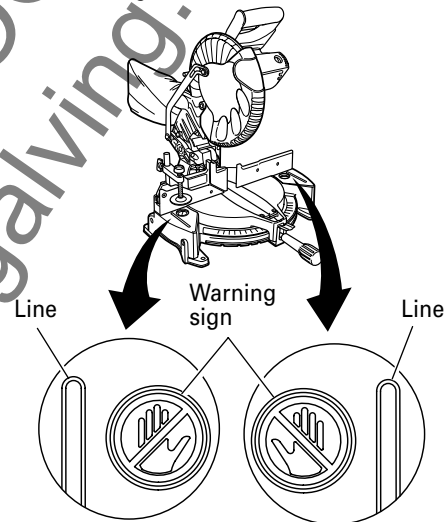


Fig. 18

**1. Switch operation**

Pull the trigger to turn on the switch, release it to shut it off. After releasing the trigger, make sure the trigger has gone all the way back and the switch is turned off.

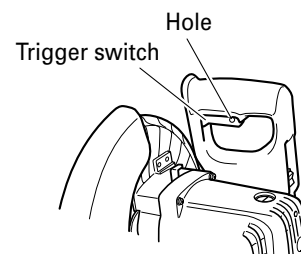


Fig. 19

**⚠ WARNING:**

This will ensure that the power tool cannot be turned on accidentally or by someone (especially a child) who is not qualified to use the power tool.

To prevent unauthorized operation of this tool, insert a padlock to the hole in the switch trigger to disable the use of the switch.

**2. Using the Vise Assembly (Standard accessory)**

- (1) The vise assembly can be mounted on either the left fence {Fence (B)} or the right fence {Fence (A)} by loosening the 6mm wing bolt (A).

- (2) The screw holder can be raised or lowered according to the height of the workpiece by loosening the 6mm wing bolt (B). After the adjustment, firmly tighten the 6mm wing bolt (B) and fix the screw holder.
- (3) Turn the upper knob and securely fix the workpiece in position (Fig. 20).

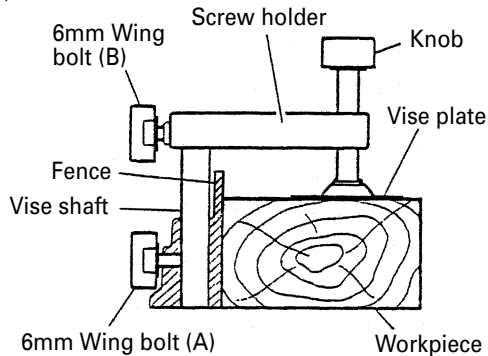


Fig. 20

**⚠ WARNING:**

Always firmly clamp or vise to secure the workpiece to the fence; otherwise the workpiece might be thrust from the table and cause bodily harm.

**⚠ CAUTION:**

Always confirm that the motor head (see Fig. 1) does not contact the vise assembly when it is lowered for cutting. If there is any danger that it may do so, loosen the 6 mm wing bolt (B) and move the vise assembly to a position where it will not contact the saw blade.

**3. Cutting Operation**

- (1) As shown in Fig. 21 the width of the saw blade is the width of the cut. Therefore, slide the workpiece to the right (viewed from the operator's position) when length ⑥ is desired, or to the left when length ⑤ is desired.  
(Only Model C10FCH2)  
If a laser marker is used, align the laser line with the left side of the saw blade, and then align the ink line with the laser line.
- (2) Once the saw blade reaches maximum speed, push the handle down carefully until the saw blade approaches the workpiece.
- (3) Once the saw blade contacts the workpiece, push the handle down gradually to cut into the workpiece.
- (4) After cutting the workpiece to the desired depth, turn the power tool OFF and let the saw blade stop completely before raising the handle from the workpiece to return it to the full retract position.

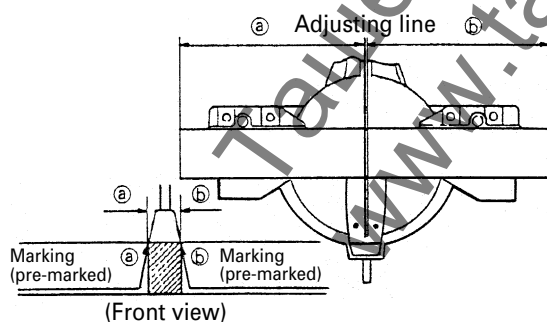


Fig. 21

**⚠ WARNING:**

- \* Confirm that the trigger switch is turned OFF and the power plug has been removed from the receptacle whenever the tool is not in use.
- \* When you cut the workpiece, avoid any cutoff thinner than the clearance between the cutting edge and the saw blade. Otherwise, the cut-off material can enter the clearance between the cutting edge and the saw blade and scatter around you, resulting in an injury.

**⚠ CAUTION:**

- \* Increased pressure on the handle will not increase the cutting speed.  
On the contrary, too much pressure may result in overload of the motor and/or decreased cutting efficiency.

\* If the handle is pressed down with excessive or lateral force, the saw blade may vibrate during the cutting operation and cause unwanted cutting marks on the workpiece, thus reducing the quality of the cut. Accordingly, press the handle down gently and carefully.

**4. Miter cutting procedures**

- (1) Loosen the side handle and push the lever for angle stoppers. Then, adjust the turntable until the indicator aligns with desired setting on the miter scale (Fig. 22).
- (2) Re-tighten the side handle to secure the turntable in the desired position.

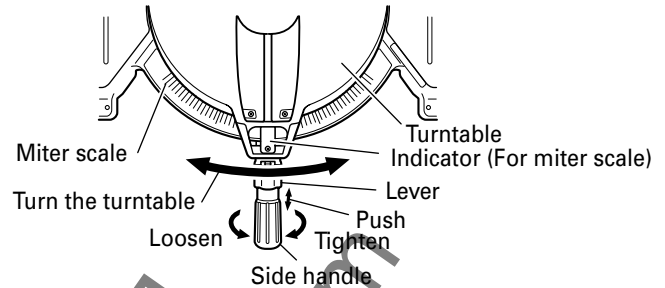


Fig. 22

**NOTE:**

- \* Positive stops are provided at the right and left of the 0° center setting, at 15°, 22.5°, 31.6° and 45° settings.  
Check that the miter scale and the tip of the indicator are properly aligned.
- \* Operation of the saw with the miter scale and indicator out of alignment, or with the side handle not properly tightened, will result in poor cutting precision.

**⚠ CAUTION:**

Never remove the side handle; use of the tool without it would be hazardous.  
To prevent an accident or personal injury always firmly tighten the miter handle.

**5. Bevel cutting procedures**

- (1) Loosen the clamp lever and bevel the saw blade to the left.
- (2) Adjust the bevel angle to the desired setting while watching the bevel angle scale and indicator, then secure the clamp lever.

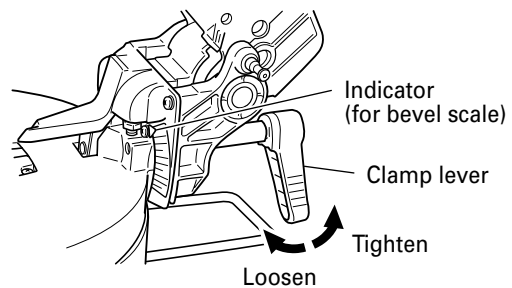


Fig. 23

**⚠ WARNING:**

When the workpiece is secured on the left or right side of the blade, the short cut-off portion will come to rest on the right or left side of the saw blade. Always turn the power off and let the saw blade stop completely before raising the handle from the workpiece. If the handle is raised while the saw blade is still rotating, the cut-off piece may become jammed against the saw blade causing fragments to scatter about dangerously.  
When stopping the bevel cutting operation halfway, start cutting after pulling back the motor head to the initial position. Starting from halfway, without pulling back, causes the safety cover to be caught in the cutting groove of the workpiece and to contact the saw blade.

**6. Compound cutting procedures**

Compound cutting can be performed by following the instructions in 4 and 5 above. For maximum dimensions for compound cutting, refer to "SPECIFICATIONS" table on page 6.

**⚠ CAUTION:**

Always secure the workpiece with the right hand side for compound cutting. Never rotate the table to the right for compound cutting, because the saw blade might then contact the clamp or vise that secures the workpiece, and cause personal injury or damage.

7. Crown molding cutting procedures  
Fig. 24 shows two common crown molding types having angles of  $\theta$  38° and 45°. For the typical crown molding fittings, see Fig. 25.

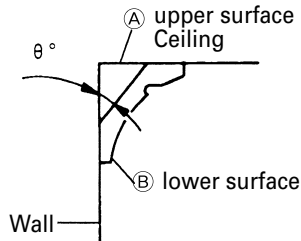


Fig. 24

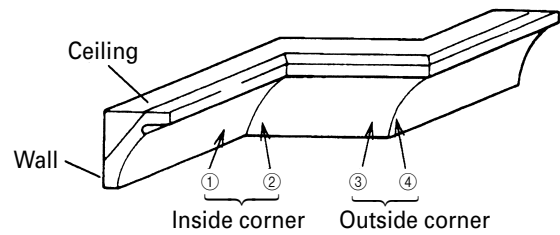


Fig. 25

The table below shows the miter angle and the bevel angle settings that are ideal for the two crown molding types.

**NOTE:**

For convenience, positive stops are provided for the miter setting (left and right 31.6°) positions.

For miter cut setting

If the turntable has been set to either of the angles described, move the turntable adjusting side handle a little to the right and left to stabilize the position and to properly align the miter angle scale and the tip of the indicator before the operation starts.

For bevel cut setting

Move handle on bevel section to the left and check that the position is stable and that the bevel angle scale and the tip of the indicator are properly aligned. Then tighten the clamp lever.

Type of Crown Molding	To process crown molding at positions ① and ④ in Fig. 36.		To process crown molding at positions ② and ③ in Fig. 36.	
	Miter Angle Setting	Bevel Angle Setting	Miter Angle Setting	Bevel Angle Setting
45° Type	right 35.3° ( ↓ mark)	left 30° ( ↓ mark)	left 35.3° ( ↓ mark)	left 30° ( ↓ mark)
38° Type	right 31.6° ( ↓ mark)	left 33.9° ( ↓ mark)	left 31.6° ( ↓ mark)	left 33.9° ( ↓ mark)

- (1) Setting to cut crown moldings at positions ① and ④ in Fig. 25 (see Fig. 26; tilt the motor head to the left):

- ① Turn the turntable to the right and set the Miter Angle as follows:
  - \* For 45° type crown moldings: 35.3° ( ↓ mark)
  - \* For 38° type crown moldings: 31.6° ( ↓ mark)
- ② Tilt the motor head to the left and set the Bevel Angle as follows:
  - \* For 45° type crown moldings: 30° ( ↓ mark)
  - \* For 38° type crown moldings: 33.9° ( ↓ mark)
- ③ Position the crown molding so that the upper surface (A in Fig. 24) contacts the fence as indicated in Fig. 28.

- (2) Setting to cut crown moldings at positions ② and ③ in Fig. 25 (see Fig. 27; tilt the head to the left):

- ① Turn the turntable to the left and set the Miter Angle as follows:
  - \* For 45° type crown moldings: 35.3° ( ↓ mark)
  - \* For 38° type crown moldings: 31.6° ( ↓ mark)
- ② Tilt the head to the left and set the Bevel Angle as follows:
  - \* For 45° type crown moldings: 30° ( ↓ mark)
  - \* For 38° type crown moldings: 33.9° ( ↓ mark)
- ③ Position the crown molding so that the lower surface (B in Fig. 24) contacts the fence as in Fig. 29.

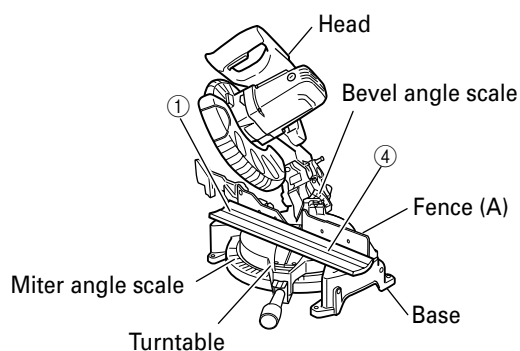


Fig. 26

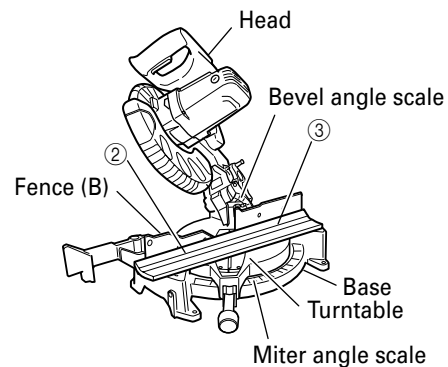


Fig. 27

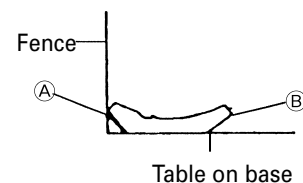


Fig. 28

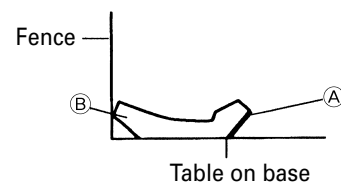


Fig. 29

### Cutting method of crown molding without tilting the saw blade.

- (1) Crown molding Stopper (L) and (R) (optional accessories) allow easier cuts of crown molding without tilting the saw blade. Install them in the base both-sides side to be shown in Fig. 30-a. After inserting Tighten the 6mm knob bolts to secure the crown molding Stoppers. [Optional accessories used]
- Crown molding Vise Ass'y (Include Crown molding Stopper (L))
  - Crown molding Stopper (L)
  - Crown molding Stopper (R)

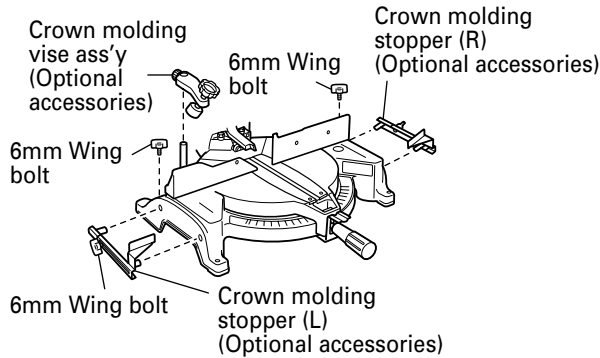


Fig. 30-a

- (2) The crown molding vise (B) (Optional accessory) can be mounted on either the left fence (Fence (B)) or the right fence (Fence (A)). It can unite with the slope of the crown molding and vise can be pressed down. Then turn the upper knob, as necessary, to securely attach the crown molding in position. To raise or lower the vise assembly, first loosen the 6mm knob bolt. After adjusting the height, firmly tighten the 6mm wing bolt; then turn the upper knob, as necessary, to securely attach the crown molding in position. (See Fig. 30-b)

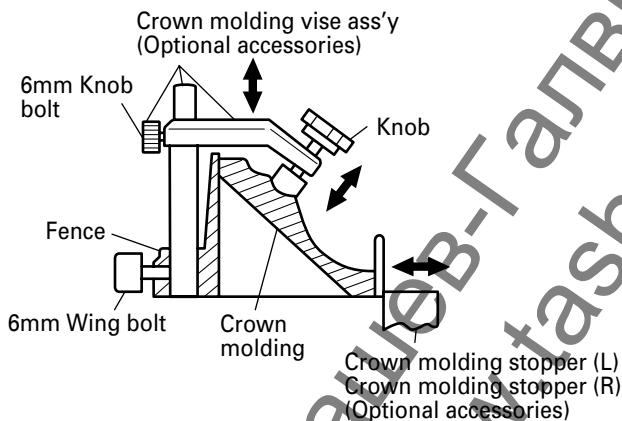


Fig. 30-b

**⚠ WARNING:**  
Always firmly clamp or vise to secure the crown molding to the fence; otherwise the crown molding might be thrust from the table and cause bodily harm.  
Do not bevel cutting. The main body or saw blade may contact the sub fence, resulting in an injury.

**⚠ CAUTION:**  
Always confirm that the motor head (see Fig. 1) does not contact the crown molding vise ass'y when it is lowered for cutting. If there is any danger that it may do so, loosen the 6mm knob bolt and move the crown molding vise ass'y to a position where it will not contact the saw blade.

Position crown molding with its WALL CONTACT EDGE against the guide fence and its CEILING CONTACT EDGE against the crown molding Stoppers as shown in Fig. 30-b.  
Adjust the crown molding Stoppers according to the size of the crown molding.  
Tighten the 6mm wing bolt to secure the crown molding Stoppers.

8. Cutting easily-deformed materials, such as aluminum sash  
Materials such as aluminum sash can easily deform when tightened too much in a vise assembly. This will cause inefficient cutting and possible overload of the motor.  
When cutting such materials, use a wood plate to protect the workpiece as shown in Fig. 31-a. Set the wood plate near the cutting section.  
When cutting aluminum materials, coat the saw blade with cutting oil (non-combustible) to achieve smooth cutting and a fine finish.  
In addition, in case of a U-shaped workpiece, use the wood plate as shown in Fig. 31-b to ensure stability in the lateral direction, and clamp it near the cutting section of the workpiece and tighten it using both the vise assembly and the clamp available in the market.

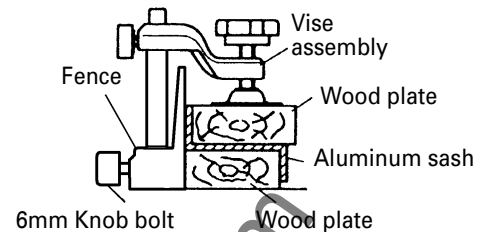


Fig. 31-a

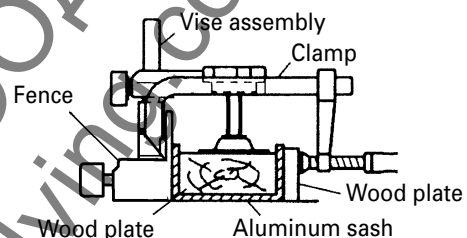


Fig. 31-b

9. How to use the dust bag (Standard accessory)  
(1) When the dust bag has become full of sawdust, dust will be blown out of the dust bag when the saw blade rotates. Check the dust bag periodically and empty it before it becomes full.  
(2) During bevel and compound cutting, attach the dust bag at a right angle to the base surface as shown in Fig. 32.

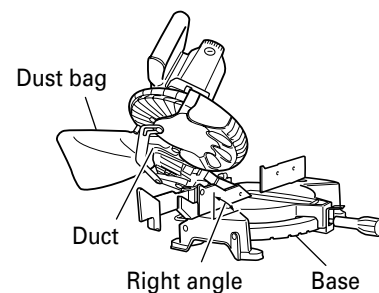


Fig. 32

**⚠ CAUTION:**  
Empty the dust bag frequently to prevent the duct and the safety cover from becoming clogged.  
Sawdust will accumulate more quickly than normal during bevel cutting.

### SAW BLADE MOUNTING AND DISMOUNTING

- ⚠ WARNING:**
- \* To prevent an accident or personal injury, always turn off the trigger switch and disconnect the power plug from the receptacle before removing or installing a saw blade.  
If cutting work is done in a state where the bolt is not sufficiently tightened, the bolt can get loose, the blade can come off, and the lower guard can get damaged, resulting in injuries.  
Also, check that the bolts are properly tightened before plugging the power plug into the receptacle.
  - \* If the bolts are attached or detached using tools other than the 10mm box wrench (standard accessory), excessive or improperly tightening occurs, resulting in injury.

1. Mounting the saw blade (Fig. 33-a, Fig. 33-b, Fig. 33-c and Fig. 33-d)
- (1) Rotate the lower guard (plastic) to the top position.
- (2) Use the driver to loosen the 4mm screw fastening the spindle cover and then remove the spindle cover.
- (3) Press in spindle lock and loosen bolt with 10mm box wrench (standard accessory).  
Since the bolt is left-hand threaded, loosen by turning it to the right as shown in Fig. 33-c.

**NOTE:**

If the spindle lock cannot be easily pressed in to lock the spindle, turn the bolt with 10mm box wrench (standard accessory) while applying pressure on the spindle lock.  
The saw blade spindle is locked when the spindle lock is pressed inward.

- (4) Remove the bolt and washer (D)

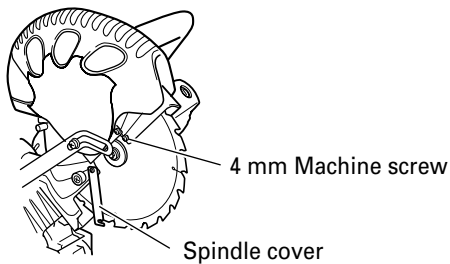


Fig. 33-a

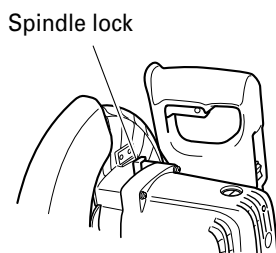


Fig. 33-b

- (5) Lift the lower guard and mount the saw blade.

**WARNING:**

When mounting the saw blade, confirm that the rotation indicator mark on the saw blade and the rotation direction of the gear case (see Fig. 1) are properly matched.

- (6) Thoroughly clean washer (D) and the bolt, and install them onto the saw blade spindle.

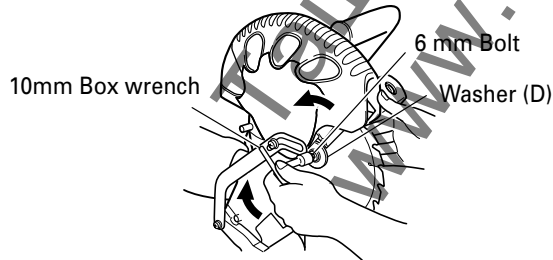


Fig. 33-c

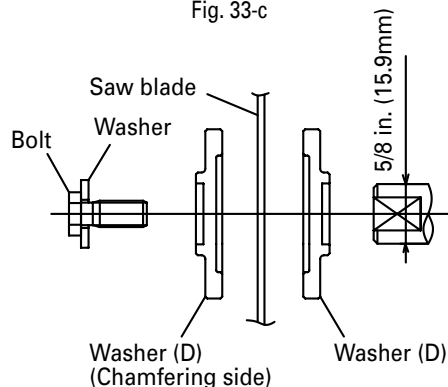


Fig. 33-d

- (7) Press in the spindle lock and tighten the bolt by turning it to the left by standard accessory's wrench (10mm box wrench) as indicated in Fig. 33-c.

**CAUTION:**

- \* Confirm that the spindle lock has returned to the retract position after installing or removing the saw blade.
- \* Tighten the bolt so it does not come loose during operation. Confirm the bolt has been properly tightened before the power tool is started.

2. Dismounting the saw blade  
Dismount the saw blade by reversing the mounting procedures described in paragraph 1 above.  
The saw blade can easily be removed after lifting the safety cover.

**CAUTION:**

- Never attempt to install saw blades larger than 10 in. (255mm) in diameter.
- Always install saw blades that are 10 in. (255mm) in diameter or less.

**MAINTENANCE AND INSPECTION****WARNING:**

To avoid an accident or personal injury, always confirm that the trigger switch is turned OFF and the power plug has been disconnected from the receptacle before performing any maintenance or inspection of this tool.

1. Inspecting the saw blade  
Always replace the saw blade immediately upon the first sign of deterioration or damage.  
A damaged saw blade can cause personal injury and a worn saw blade can cause ineffective operation and possible overload to the motor.

**CAUTION:**

Never use a dull saw blade. When a saw blade is dull, its resistance to the hand pressure applied by the tool handle tends to increase, making it unsafe to operate the power tool.

2. Inspecting the lever  
If the M6 hexagonal head bolts (2) are loose, align the sides of the fence and saw blade with the steel square. After adjusting the saw blade and fence to a ninety-degree angle, tighten the lever securing hexagonal head bolts (2).

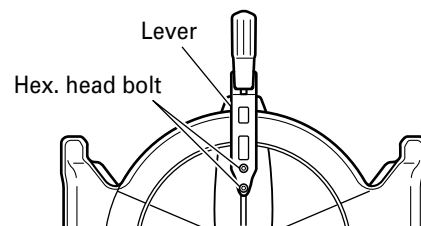


Fig. 34-a

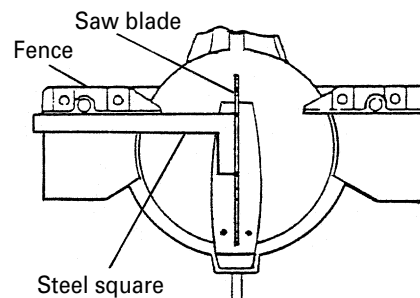


Fig. 34-b

3. Inspecting the carbon brushes (Fig. 35 and Fig. 36)  
The carbon brushes in the motor are expendable parts. If the carbon brushes become excessively worn, motor trouble might occur.

Therefore, inspect the carbon brushes periodically and replace them when they have become worn to the wear limit line as shown in Fig. 35.

Also, keep the carbon brushes clean so that they will slide smoothly within the brush holders.

The carbon brushes can easily be removed after removal of the brush caps (see Fig. 36) with a slotted (minus) screwdriver.

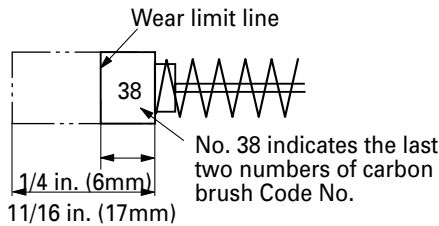


Fig. 35

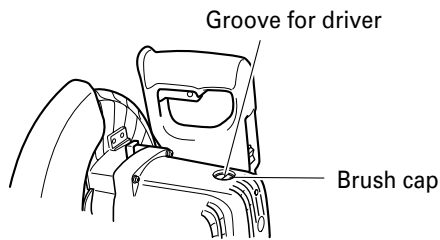


Fig. 36

4. About Handling the Motor (see Fig. 1)  
Winding of the motor is said to be the heart of this tool. Exercise utmost caution not to damage the winding by exposing it to wash oil or water.

**NOTE:**

Accumulation of dust and the like inside the motor can result in a malfunction.  
After using the motor for 50 hours or so, carry out no-load running, and blow in the dry air from a wind hole at the motor's rear. Such action is effective to discharge dust and the like.

5. Inspecting the screws  
Regularly inspect each component of the power tool for looseness. Re-tighten screws on any loose part.

**WARNING:**

To prevent personal injury, never operate the power tool if any components are loose.

6. Inspecting the lower guard for proper operation  
Before each use of the tool, test the lower guard (see Fig. 7) to assure that it is in good condition and that it moves smoothly.  
Never use the tool unless the lower guard operates properly and it is in good mechanical condition.

7. Storage  
After operation of the tool has been completed, check that the following has been performed:

- (1) Trigger switch is in OFF position,
  - (2) Power plug has been removed from the receptacle,
  - (3) To prevent unauthorized operation of this tool, insert a padlock through the hole in the switch trigger.
- When the tool is not in use, keep it stored in a dry place out of the reach of children.

8. Lubrication  
Lubricate the following sliding surfaces once a month to keep the power tool in good operating condition for a long time (see Fig. 1 and Fig. 2). Use of machine oil is recommended.

**Oil supply points:**

- \* Rotary portion of hinge
- \* Rotary portion of vise assembly

9. Cleaning  
Periodically remove chips, dust and other waste material from the surface of the power tool, especially from the inside of the lower guard with a damp, soapy cloth. To avoid a malfunction of the motor, protect it from contact with oil or water.

(Only Model C10FCH2)

If the laser line becomes invisible due to chips and the like adhered onto the window of the laser marker's light-emitting section, wipe and clean the window with a dry cloth or a soft cloth moistened with soapy water, etc.

10. Service parts list

**CAUTION:**

Repair, modification and inspection of Hitachi Power Tools must be carried out by a Hitachi Authorized Service Center.

This Parts List will be helpful if presented with the tool to the Hitachi Authorized Service Center when requesting repair or other maintenance. In the operation and maintenance of power tools, the safety regulations and standards prescribed in each country must be observed.

**MODIFICATIONS:**

Hitachi Power Tools are constantly being improved and modified to incorporate the latest technological advancements. Accordingly, some parts may be changed without prior notice.

**SERVICE AND REPAIRS**

All quality power tools will eventually require servicing or replacement of parts because of wear from normal use. To assure that only authorized replacement parts will be used and that the double insulation system will be protected, all service (other than routine maintenance) must be performed by an AUTHORIZED HITACHI POWER TOOL REPAIR CENTER ONLY.

**NOTE:**

Specifications are subject to change without any obligation on the part of HITACHI.

## TROUBLESHOOTING GUIDE

## ⚠ WARNING

- To avoid injury from an accidental start, turn the switch OFF and remove the plug from the power source before making any adjustments.
- All electrical or mechanical repairs should be done only by qualified service technicians. Contact Hitachi Authorized Service Center.

## GENERAL

PROBLEM	PROBABLE CAUSE	REMEDY
Saw will not start.	<ol style="list-style-type: none"> <li>1. Saw not plugged in.</li> <li>2. Faulty switch.</li> <li>3. Fuse blown or circuit breaker tripped.</li> <li>4. Cord damaged.</li> <li>5. Worn, broken brushes.</li> </ol>	<ol style="list-style-type: none"> <li>1. Plug in saw.</li> <li>2. Have switch replaced by an Authorized Service Center.</li> <li>3. Replace fuse or reset circuit breaker.</li> <li>4. Have cord replaced by an Authorized Service Center.</li> <li>5. Replace brushes.</li> </ol>
Saw makes unsatisfactory cuts.	<ol style="list-style-type: none"> <li>1. Dull blade.</li> <li>2. Blade mounted backwards.</li> <li>3. Gum or pitch on blade.</li> <li>4. Incorrect blade for work being done.</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace blade.</li> <li>2. Turn blade around.</li> <li>3. Remove blade and clean with turpentine and coarse steel wool.</li> <li>4. Change the blade.</li> </ol>
Blade does not come up to speed.	<ol style="list-style-type: none"> <li>1. Extension cord too light or too long.</li> <li>2. Low supply voltage.</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace with the adequate size extension cord.</li> <li>2. Contact the electric company.</li> </ol>
Saw vibrates excessively.	<ol style="list-style-type: none"> <li>1. Blade bolt not tight.</li> <li>2. Saw not mounted securely to workbench.</li> <li>3. Workbench on uneven floor.</li> <li>4. Blade or blade flanges not clean.</li> </ol>	<ol style="list-style-type: none"> <li>1. Tighten blade bolt.</li> <li>2. Tighten all mounting hardware.</li> <li>3. Reposition workbench on flat level surface.</li> <li>4. Clean blade and blade flanges.</li> </ol>
Does not make accurate miter cuts.	<ol style="list-style-type: none"> <li>1. Damaged saw blade.</li> <li>2. Positive stop not adjusted correctly.</li> <li>3. Workpiece moving.</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace blade.</li> <li>2. Check and adjust positive stop.</li> <li>3. Clamp workpiece securely to fence.</li> </ol>
Material pinches blade.	<ol style="list-style-type: none"> <li>1. Cutting bowed material in wrong position.</li> </ol>	<ol style="list-style-type: none"> <li>1. Position bowed material correctly (convex side to the back fence).</li> </ol>