

MODELS

C 10FCH

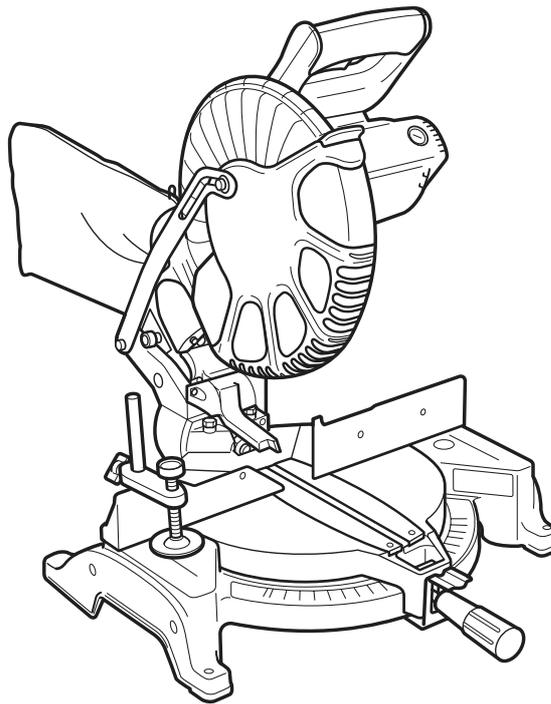
C 10FCE

Hitachi Power Tools

C

**COMPOUND SAW
C 10FCH
C 10FCE**

**TECHNICAL DATA
AND
SERVICE MANUAL**



LIST Nos. C 10FCH: E936
C 10FCE: E937

Apr. 2004

REMARK:

Throughout this TECHNICAL DATA AND SERVICE MANUAL, a symbol(s) is(are) used in the place of company name(s) and model name(s) of our competitor(s). The symbol(s) utilized here is(are) as follows:

WH 9DM2

Symbol Utilized	Competitor	
	Company Name	Model Name
P	DEWALT	DW703
Q	RIDGID	MS1065LZ



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1. PRODUCT NAME

Hitachi Compound Saw, Models C 10FCH and C 10FCE

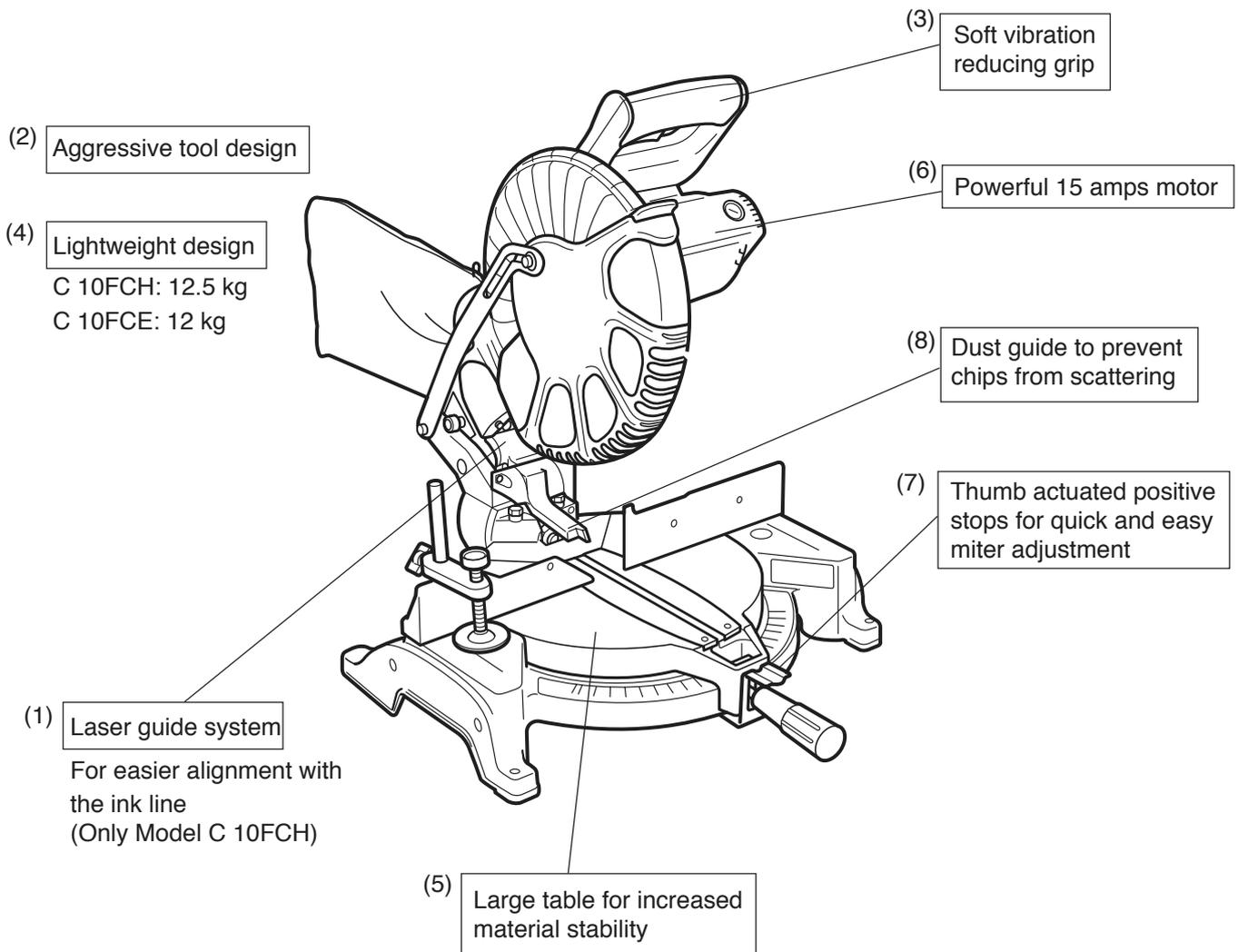
2. MARKETING OBJECTIVE

Following the Model C 10FSH that is equipped with the laser guide system and well reputed in the North American market, we introduce the new Model C 10FCH that is an upgraded version of the conventional Model C 10FCB. The Model C 10FCH is of an all-new design and equipped with the laser guide system at the market price. In addition, the same compound saw without the laser guide system Model C 10FCE is introduced in tandem with the Model C 10FCH. With the new Models C 10FCH and C 10FCE, we aim to enhance the share of the Hitachi compound saw series.

3. APPLICATIONS

- Cutting various types of wood workpieces
- Cutting workpieces of plywood, decoration panels, soft fiberboard and hard board
- Cutting aluminum sashes

4. SELLING POINTS



4-1. Selling Point Descriptions

(1) Laser guide system (Only Model C 10FCH)

Use the laser marker for aligning with the ink line on the workpiece.

- ① Cutting position can be properly adjusted by aligning the positioning ink line with the laser line. There is no need to make a long ink line on the workpiece.
- ② There is no need to lower the motor head to align with the ink line because the laser marker makes a laser line on the workpiece. In addition, cutting position can be easily adjusted because the operator can hold the workpiece with both hands to move.
- ③ Cutting position can be easily adjusted because the laser line can be aligned with an optionally angled ink line.
- ④ Even the workpieces such as crown moldings and base boards that have decorative surfaces and are difficult to be made an ink line can be cut just by aligning the laser line with the ink line on the fence side. The laser line is adjusted to the width of the saw blade at the time of factory shipment. Depending upon the user's cutting choice, the laser line can be aligned with the left side of the cutting width (saw blade) or the link line on the right side. Adjust the position of the laser line according to "8-1. Position Adjustment of Laser Line" on page 10.

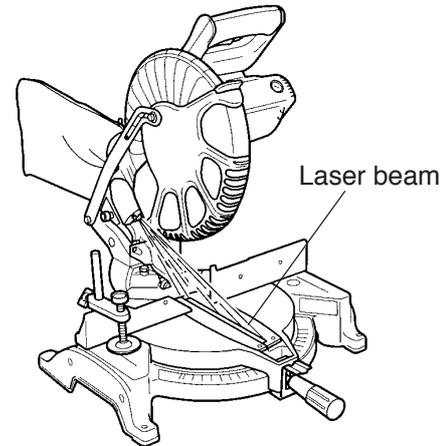


Fig. 1

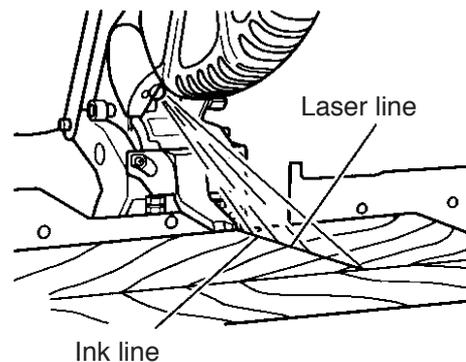


Fig. 2

(2) Aggressive tool design

The tool color is gunmetallic silver to give a sturdier image. The circular saw portion is of a powerful, original and aggressive design.

(3) Soft, vibration reducing grip

The handle grip is comfortable and slip-resistant thanks to the integrally molded rubber. In addition, it reduces vibration transmitted to the operator's hand. The Models C 10FCH and C 10FCE are easier to operate.

(4) Lightweight design

The Model C 10FCH weighs 12.5 kg and the Model C 10FCE weighs 12 kg. They are the lightest compound saws in this class and easy to carry.

(5) Large table for increased material stability

The turn table is larger than the conventional Model C 10FCB by 30 mm in outside diameter to increase the material stability.

Table 1

	Outside diameter of turn table (mm)
C 10FCH/FCE	280
C 10FCB	250

(6) Powerful 15 amps motor

The Models C 10FCH and C 10FCE are equipped with a 15-ampere motor. The Models C 10FCH and C 10FCE can cut workpieces as quickly as the Model C 10FCB.

(7) Thumb actuated positive stops for quick and easy miter adjustment

The positive stops are provided to adjust the turn table position for miter cutting more securely than the conventional Model C 10FCB. These stops can be actuated (fixed or released) with thumb quickly and easily holding the side handle.

(8) Dust guide to prevent chips from scattering

A dust guide is provided to prevent wood chips from adhering to the saw blade and scattering when cutting the edge of the workpiece.

5. SPECIFICATIONS

Maximum cutting dimensions Height x Width (H x W)	0° (Right angle)	59 mm (2-5/16") x 144 mm (5-21/32") 89 mm (3-1/2") x 101 mm (3-31/32")
	Miter right/left 45°	59 mm (2-5/16") x 102 mm (4") 89 mm (3-1/2") x 70 mm (2-3/4")
	Miter right/left 52°	59 mm (2-5/16") x 89 mm (3-1/2") 89 mm (3-1/2") x 54 mm (2-1/8")
	Bevel left 45°	41 mm (1-5/8") x 144 mm (5-21/32")
	Miter right/left 45° + Bevel left 45°	41 mm (1-5/8") x 102 mm (4")
Miter cutting ranges		Right and left 0° – 52°
Bevel cutting ranges		Left 0° – 48°
Compound (miter + left bevel) cutting ranges		Miter: right and left 0° – 45°, Bevel: left 0° – 45°
Angle stopper positions		Right and left 0°, 15°, 22.5°, 31.6°, 45°
Saw blade outer diameter		255 mm (10") external dia.
Laser marker (Only Model C 10FCH)	Maximum output	<1 mW (CLASS II)
	Wave length	400 nm – 700 nm
	Laser medium	Laser diode
Power source type and voltage		AC single phase 60 Hz, 120V
Type of motor		AC single phase commutator series motor
Full-load current		15 A
No-load rotation speed		5,000 min ⁻¹
Max. output		1,950 W
Main unit dimensions Width x Depth x Height		460 mm x 628 mm x 561 mm (18-1/8" x 24-3/4" x 22-3/32")
Weight	C 10FCH	12.5 kg (27.6 lbs.), gross weight 17 kg (37.5 lbs.)
	C 10FCE	12 kg (26.5 lbs.), gross weight 16.5 kg (36.4 lbs.)
Coating		Gunmetallic silver
Packaging		Corrugated cardboard box
Cord		Type: 2-conductor cable Length: 1.8 m (6 ft)
Standard accessories		<ul style="list-style-type: none"> • 255 mm (10") TCT saw blade (24 teeth, Code No. 318963) for wood cutting • Dust bag • Vise ass'y • 10 mm box wrench • 4 mm hex. bar wrench (only Model C 10FCH) • Sub fence
Optional accessories		<ul style="list-style-type: none"> • 255 mm (10") TCT saw blade (60 teeth, Code No. 976472) for normal cutting • 255 mm (10") TCT saw blade (100 teeth, Code No. 319658) for aluminum cutting • Extension holder and stopper • Crown molding vise ass'y (include crown molding stopper (L)) • Crown molding stopper (L) • Crown molding stopper (R)

6. COMPARISONS WITH SIMILAR PRODUCTS

Maker/Model		HITACHI C 10FCH/C 10FCE	HITACHI C 10FCB	P	Q
Max. cutting dimensions Height x Width (H x W)	0° (Right angle)	59 mm x 144 mm (2-5/16" x 5-21/32") 89 mm x 101 mm (3-1/2" x 3-31/32")	59 mm x 144 mm (2-5/16" x 5-21/32") 89 mm x 101 mm (3-1/2" x 3-31/32")	59 mm x 144 mm (2-5/16" x 5-21/32") 89 mm x 101 mm (3-1/2" x 3-31/32")	59 mm x 144 mm (2-5/16" x 5-21/32") 89 mm x 101 mm (3-1/2" x 3-31/32")
	Miter right/left 45°	59 mm x 102 mm (2-5/16" x 4") ⌈ Right and left 52° 59 mm x 89 mm (2-5/16" x 3-1/2") ⌋	59 mm x 102 mm (2-5/16" x 4") ⌈ Right 60° 59 mm x 72 mm (2-5/16" x 2-13/16") ⌋	59 mm x 102 mm (2-5/16" x 4") ⌈ Right and left 52° 59 mm x 89 mm (2-5/16" x 3-1/2") ⌋	59 mm x 102 mm (2-5/16" x 4") ⌈ Right and left 50° 59 mm x 89 mm (2-5/16" x 3-1/2") ⌋
	Bevel left 45°	41 mm x 144 mm (1-5/8" x 5-21/32")	41 mm x 144 mm (1-5/8" x 5-21/32")	41 mm x 144 mm (1-5/8" x 5-21/32")	41 mm x 144 mm (1-5/8" x 5-21/32")
	Miter right/left 45° + Bevel left 45°	41 mm x 102 mm (1-5/8" x 4")	41 mm x 102 mm (1-5/8" x 4")	41 mm x 102 mm (1-5/8" x 4")	41 mm x 102 mm (1-5/8" x 4")
Miter cutting ranges		Right and left 0° – 52°	Right 0° – 45° Left 0° – 60°	Right and left 0° – 52°	Right and left 0° – 50°
Bevel cutting ranges		Left 0° – 48°	Left 0° – 45°	Left 0° – 48°	Left 0° – 48°
Compound (miter + left bevel) cutting ranges		Miter: Right and left 0° – 45° Bevel: Left 0° – 45°	Miter: Right and left 0° – 45° Bevel: Left 0° – 45°	Miter: Right and left 0° – 45° Bevel: Left 0° – 45°	Miter: Right and left 0° – 45° Bevel: Left 0° – 45°
Angle stopper position		Right and left 0°, 15°, 22.5°, 31.6°, 45°	Right and left 0°, 15°, 22.5°, 31.6°, 45° Right 60°	Right and left 0°, 15°, 22.5°, 31.6°, 45°	Right and left 0°, 11.3°, 15°, 22.5°, 31.6°, 45°
Saw blade outer diameter (mm)		255 (10")	255 (10")	254 (10")	254 (10")
Motor	Full-load current (A)	15	15	15	15
	No-load revolution (min ⁻¹)	5,000	4,900	5,000	5,500
	Power input (W)	1,520	1,640	—	—
	Max. output (W)	1,950	2,300	—	—
Laser marker		C 10FCH Provided	C 10FC Not provided	Not provided	Not provided
Laser output		1mW	—	—	5mW
Insulation structure		Double insulation	Double insulation	Double insulation	Double insulation
Turn table outer diameter (mm)		280 (11-1/32")	250 (9-27/32")	290 (11-27/64")	297 (11-11/16")
Debris guard		Provided (fixed)	Provided (fixed)	None	None
Dust bag size (mm)		250 x 160 (9-27/32" x 6-5/16")	250 x 160 (9-27/32" x 6-5/16")	—	245 x 190 (9-21/32" x 6-15/32")
Main unit dimensions Width x Depth x Height		460 x 628 x 561 (18-1/8" x 24-3/4" x 22-3/32")	547 x 592 x 581 (21-17/32" x 23-5/16" x 22-7/8")	510 x 630 x 565 (20-3/32" x 24-13/16" x 22-1/4")	530 x 540 x 565 (20-7/8" x 21-1/4" x 22-1/4")
Product weight (kg)		C 10FCH 12.5 (27.6 lbs.)	C 10FCE 12 (26.5 lbs.)	14 (31 lbs.)	15 (33 lbs.)
Standard accessories		<ul style="list-style-type: none"> • 255 mm (10") TCT saw blade (24 teeth) for wood cutting • Dust bag • Vise ass'y • 10 mm box wrench • 4 mm hex. bar wrench (only C 10FCH) • Sub fence 	<ul style="list-style-type: none"> • 255 mm (10") TCT saw blade (24 teeth) for wood cutting • Dust bag • Vise ass'y • 10 mm box wrench 	<ul style="list-style-type: none"> • 254 mm (10") carbide blade (40 teeth) • Dust bag • Blade wrench 	<ul style="list-style-type: none"> • 254 mm (10") saw blade • Dust bag • Dust guide • Vise ass'y • Blade wrench • 6 mm hex. bar wrench • 8 mm hex. bar wrench
Optional accessories		<ul style="list-style-type: none"> • 255 mm (10") TCT saw blade (60 teeth) for normal cutting • 255 mm (10") TCT saw blade (100 teeth) for aluminum cutting • Extension holder and stopper • Crown molding vise ass'y (include crown molding stopper (L)) • Crown molding stopper (L) • Crown molding stopper (R) 	<ul style="list-style-type: none"> • 255 mm (10") TCT saw blade (60 teeth) for normal cutting • 255 mm (10") TCT saw blade (100 teeth) for aluminum cutting • Extension holder and stopper 	<ul style="list-style-type: none"> • Extension holder and stopper • Vise ass'y • Crown molding stopper 	

7. PRECAUTIONS IN SALES PROMOTION

In the interest of promoting the safest and most efficient use of the Models C 10FCH and C 10FCE Compound Saws by all of our customers, it is very important that at the time of sale the salesperson carefully ensures that the buyer seriously recognizes the importance of the contents of the Instruction Manual, and fully understands the meaning of the precautions listed on the Warning Labels and Caution Labels attached to each machine.

7-1. Instruction Manual

Although every effort is made in each step of design, manufacture and inspection to provide protection against safety hazards, the dangers inherent in the use of any compound saw cannot be completely eliminated.

Accordingly, general precautions and suggestions for the use of electric power tools, and specific precautions and suggestions for the use of the compound saw are listed in the Instruction Manual to enhance the safe, efficient use of the tool by the customer. Salespersons must be thoroughly familiar with the contents of the Instruction Manual to be able to offer appropriate guidance to the customer during sales promotion.

7-2. Warning Labels and Caution Labels

(1) Precautions on the name plate

Each Model C 10FCH/FCE is furnished with a Name Plate that lists the following precautions.



Fig. 3

2) Warning label (A)

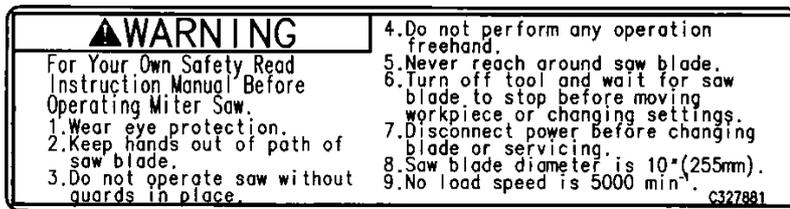


Fig. 4

Warning label (A) specified by the UL is affixed on the right side of the base. Please instruct users to strictly observe the contents 1 to 9 in warning label (A) shown above.

(3) Caution label (B) (at the side of the gear case)

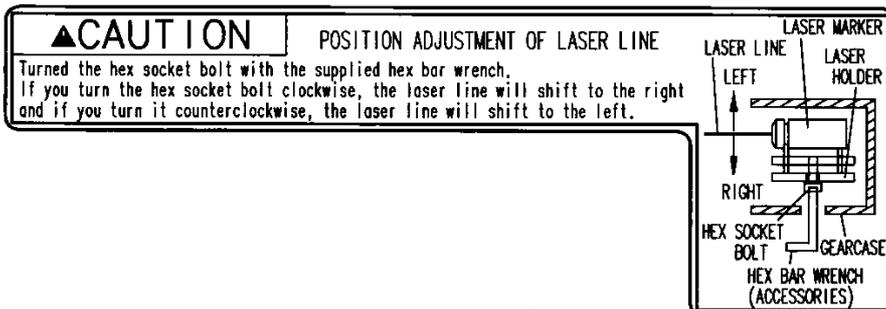


Fig. 5

(4) Caution label (A) (at the front of the hinge) and caution label (C) (at the front of the base) (only Model C 10FCH)
 Do not stare into laser beam. If your eye is exposed directly to the laser beam, it can be hurt. Caution label (A) and caution label (C) are adhered to each machine to comply with the standards for the safe use of laser equipment.

- Caution label (A) (at the front of the hinge) (only Model C 10FCH)

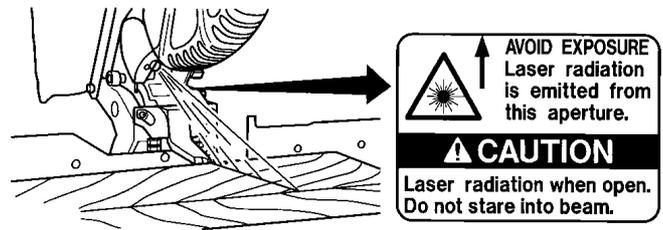


Fig. 6

- Caution label (C) (at the front of the base) (only Model C 10FCH)

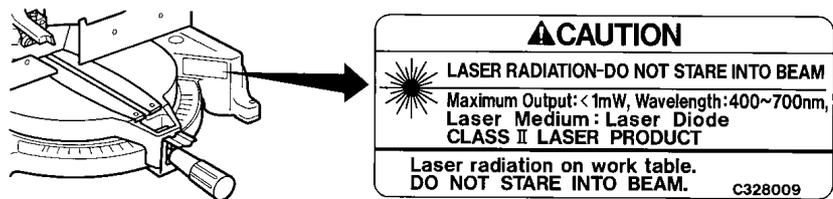


Fig. 7

(5) Label (B) (at the front of the base) (only Model C 10FCH)

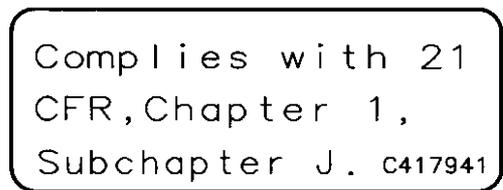


Fig. 8

(6) Warning label (C) (at the front of sub fence (standard accessories))



Fig. 9

7-3. Relative Standards

Standards, regulations and guidelines for the safe use of laser equipment.

[The U. S. A.]

There is a standard "Complies with 21 Code of Federal Regulation (21 CFR), Chapter 1, Subchapter J, Part 1010 and 1040" established by the Center for Devices and Radiological Health (CDRH) of the Food and Drug Administration (FDA). Standards, regulations and guidelines of the other countries are under investigation.

7-4. Laser Marker (Only Model C 10FCH)

The Model C 10FCH is equipped with the laser marker that complies with the U. S. A. standard, FDA Complies with 21 CFR, Food and Drugs, Part 1040 "Performance Standard for Light-emitting Products", Class II. The Class II laser is defined as follows:

- The laser power is low and it is safe by the protective measures such as blinking. However, it is dangerous if the operator's eyes are exposed directly to the laser for a protracted period.
- The operator can use the laser equipment without particular training and instruction.
- The amount of light exposure (output) is 1mW or less at the position where the operator can be exposed to the laser radiation during operation.

Table 2

Wave length (mm)	Emission duration (s)	Class II accessible emission limit		
		(Threshold value)	(Unit)	(Amount)
> 400 ≤ 710	$> 2.5 \times 10^{-1}$	1.0×10^{-3}	W	Radiant power

The saw blade unit prevents access of the operator's eye to the laser emitting aperture less than 65 mm.

In addition, the amount of light exposure (output) is 1 mW or less (about 0.4 mW) at this position. Thus the Model C 10FCH satisfies the Class II requirements adequately. There is no ill effect on the operator's body if looking at the laser line on the workpiece during operation.

[CAUTION] (1) Be sure to disconnect the power cord plug from the receptacle before removing the laser marker for repair. If it is unavoidable to check the operation of the removed laser marker with the power turned on, face the laser emitting aperture to the ground to show the laser line on the ground.

(2) Laser radiation when open. DO NOT STARE INTO BEAM OR VIEW DIRECTLY WITH OPTICAL INSTRUMENTS.

The lifespan of the laser marker in the Model C 10FCH is about 2,160 hours. (About three years: 4 hours of use/day x 180 days/year)

7-5. Ambient illuminance and Visibility of Laser Line (Only Model C 10FCH)

The visibility of the laser line on the workpiece changes depending on the brightness of the working environment. Instruct the customer to consider the brightness of the working environment when using the laser marker referring to the following table.

Table 3 Ambient illuminance and visibility of laser line

Illuminance (lux)		3000 or more	3000 or more	3000 - 2500	800 - 600	300 - 200	150 - 80	30 or less
Ambient conditions (reference)	Outdoor	Under direct sunlight of fine weather	Shaded area in fine weather	Cloudy weather	Shaded area in cloudy weather	Just before the sunset in cloudy weather	—	Ink line is invisible.
	Indoor	—	Near the window under fine weather	Indoor under fine weather	Near the window under cloudy weather	Indoor under cloudy weather	Near the window under cloudy weather, just before the sunset	
Laser line		Invisible	Visible	Visible	Visible	Visible	Glaring	Glaring

(The working environment where the illuminance is 200 luxes or less is dark and difficult to operate the Model C 10FCH.)

The laser line is invisible under direct sunlight of fine weather. Prepare a shaded area or relocate to a shaded area to operate the Model C 10FCH.)

8. ADJUSTMENT AND OPERATION PRECAUTIONS

8-1. Position Adjustment of Laser Line (Only Model C 10FCH)

The laser line is adjusted to the width of the saw blade at the time of factory shipment. Depending upon the cutting choice, align the laser line with the left side of the cutting width (saw blade) or the right side according to the following procedure. First, make a right-angle ink line on the workpiece that is about 38 mm (1-1/2") in height and 89 mm (3-1/2") in width. To cut the right side of the ink line with the saw blade as shown in Fig. 10, align the left side of the saw blade with the ink line on the workpiece and make a groove of about 5 mm deep on the workpiece to the middle. Hold the grooved workpiece by the vise as it is and do not move it. Light up the laser marker. Then insert a 4 mm 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.) (Fig. 11)

Thus the cutting position matches the laser line position. Align the ink line on the workpiece 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 (Fig. 12). Work on the grooving again and check the position of 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.

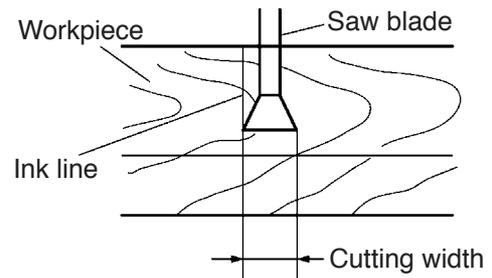


Fig. 10

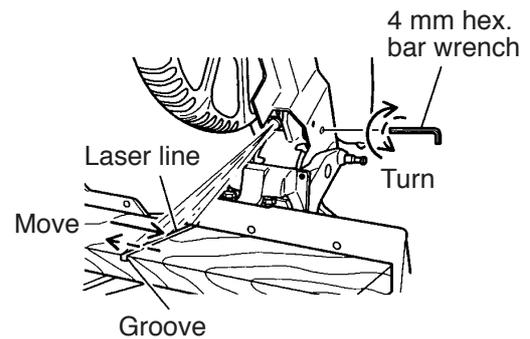


Fig. 11

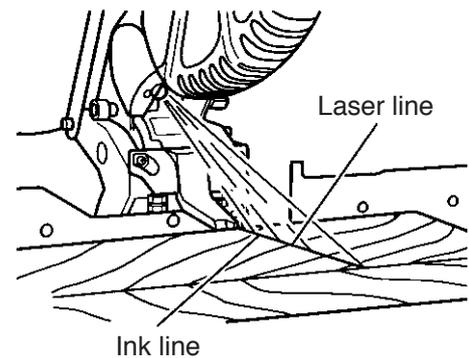


Fig. 12

⚠ 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:

- 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.

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.

Instruct the above precautions on the laser marker to the customers.

8-2. How to Use the Vise Assembly

- (1) The vise assembly can be mounted on either the left fence (fence (B)) or the right fence (fence (A)) by loosening 6 mm wing bolt (A).
- (2) The screw holder can be raised or lowered according to the height of the workpiece by loosening 6 mm wing bolt (B). After the adjustment, firmly tighten 6 mm wing bolt (B) and fix the screw holder.
- (3) Turn the upper knob and securely fix the workpiece in position (Fig. 13).

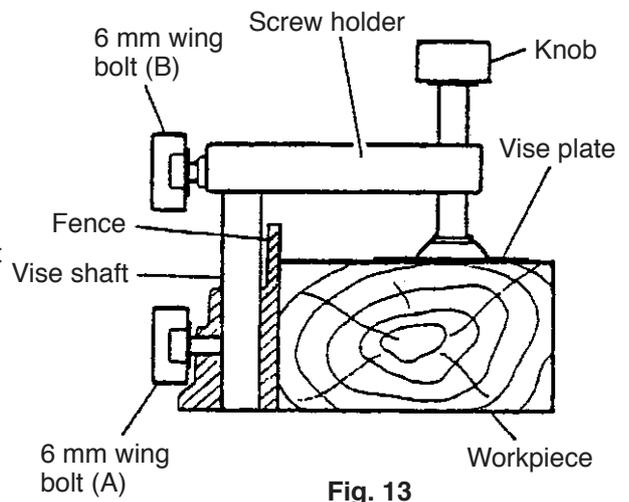


Fig. 13

⚠ 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 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.

8-3. Confirmation for Use of Sub Fence (Standard accessory)

In the case of press cutting and miter cutting, use the sub fence. The sub fence can be installed on the left side of the guide fence. Insert the rods of the sub fence into the holes in the guide fence. Tighten ① the 6 mm knob bolt, ② the 6 mm wing bolt which come with the sub fence to secure the sub fence. Then you can realize stable cutting of the material with a wide back face.

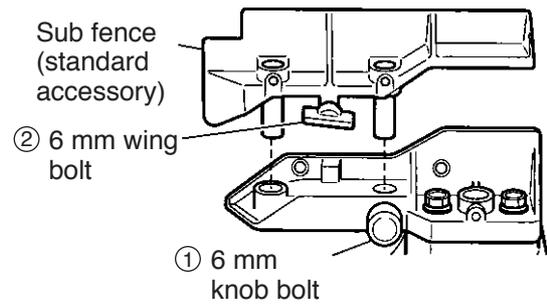


Fig. 14

⚠ WARNING: In the case of left bevel cutting, remove sub fence. Supposing it is not able to remove it, it will contact the blade or some part of the tool, causing in serious injury to operator. Be sure to instruct the customers to remove sub fence in the case of left bevel cutting.

8-4. Cutting Operation

- (1) Cutting efficiency will be reduced if a dull saw blade is used, if an excessively long extension cord is used, or if the wire gauge of the extension cord is too small. (For details on extension cords, please refer to the Instruction Manual.) This is particularly important when cutting materials with dimensions which are at or near the maximum capacity for the machine.
- (2) The customer should be advised to thoroughly inspect the workpiece to ensure that there are no metallic objects (nails in particular), sand, or other foreign matter in or on the workpiece. Saw blade contact with such foreign matter will not only shorten the service life of the saw blade, but could cause serious accident. Should the saw blade tips be broken off, the tips may fly toward the operator.
- (3) Direct current cannot be used. The switch can be faulty if used.

(4) Press cutting

Like the Model C 10FC, the Models C 10FCH and C 10FCE can be used for press cutting of workpieces up to 59 mm x 144 mm (2-1/4" x 5-5/8") in a single operation by simply pushing the saw blade section (head) downward. The customer should be cautioned that excessive pressure on the handle will not increase the cutting speed. On the contrary, excessive pressure may result in reduced cutting efficiency (irregular or rough cutting of the workpiece), and could also cause overload and subsequent burnout of the motor.

On completion of the cutting operation, turn the switch OFF and wait for the saw blade to come to a complete stop before raising the saw blade section (head) to its original position. Raising the saw blade section (head) while the saw blade is rotating may cause unwanted cutting marks on the workpiece.

Techniques to avoid unwanted cutting marks

Uneven and unwanted cutting marks can be avoided throughout the cutting operation by gently and smoothly pressing down on the handle, so that the entire cutting operation is accomplished in a single uninterrupted motion.

(5) Miter cutting

Miter cutting is accomplished by turning the table. (For details, please refer to the Instruction Manual.)

(6) Bevel cutting

Bevel cutting of 0 – 45° to the left is accomplished by inclining the saw blade section (head). (For details, please refer to the Instruction Manual.)

[Caution] When the workpiece is secured on the left side, the

cut-off portion comes to rest on the side of the saw blade as illustrated in Fig. 15. If the handle is raised before the saw blade rotation comes to a complete stop, there is a chance that the cut-off portion of the workpiece could become jammed against the saw blade, causing a hazardous condition. Instruct the customer to ensure without fail that the saw blade comes to a complete stop before attempting to raise the handle.

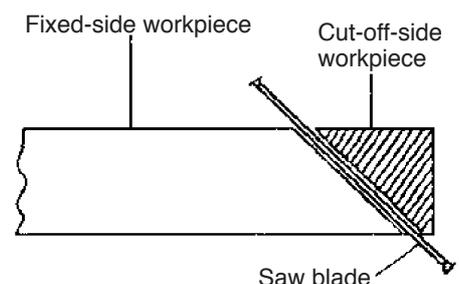


Fig. 15

(7) **Compound (miter + bevel) cutting**

Compound cutting can be accomplished by combining the miter cutting and bevel cutting operations described in paragraphs (4) and (5) above. (For details, please refer to the Instruction Manual.) When the saw blade section (head) is inclined 45° to the left, the table can be turned up to 45° to the right and left.

(8) **Crown molding cutting**

This machine can cut two types of crown molding workpieces by combining the miter and bevel cutting operations (for USA).

Figure 16 shows two common crown molding types having angles of (θ) 38° and 45°. For the typical crown molding fittings, see Fig. 17.

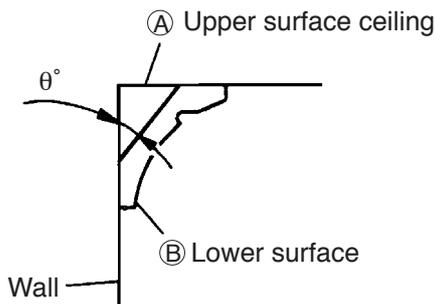


Fig. 16

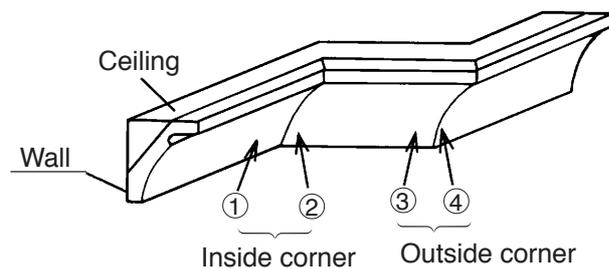


Fig. 17

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 both the miter setting and the bevel setting (left and right 31.6°) positions.

For miter cut setting

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

For bevel cut setting

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

Table 4

Type of crown molding	To process crown molding at positions ① and ④ in Fig. 16			To process crown molding at positions ② and ③ in Fig. 16		
	Miter angle setting	Bevel angle setting		Miter angle setting	Bevel angle setting	
45° type	Right 35.3° (↓ mark)	Left 30° (↓ mark)	Right 30° (↓ mark)	Left 35.3° (↓ mark)	Left 30° (↓ mark)	Right 30° (↓ mark)
38° type	Right 31.6° (▲ mark)	Left 33.9° (▲ mark)	Right 33.9° (▲ mark)	Left 31.6° (▲ mark)	Left 33.9° (▲ mark)	Right 33.9° (▲ mark)

(1) Setting to cut crown molding at positions ① and ④ in Fig. 17 (See Fig. 18, tilt the head to the left.):

- ① Turn the turn table 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 Turn 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 (A in Fig. 16) contacts the fence as indicated in Fig. 20.

(2) Setting to cut crown moldings at positions ② and ③ in Fig. 17 (See Fig. 19, tilt the head to the left.):

- ① Turn the turn table 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. 16) contacts the fence as indicated in Fig. 21.

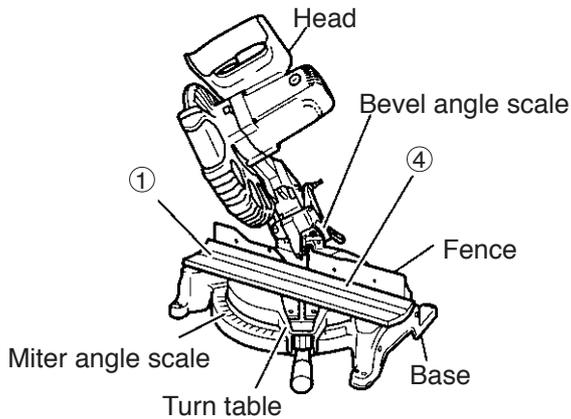


Fig. 18

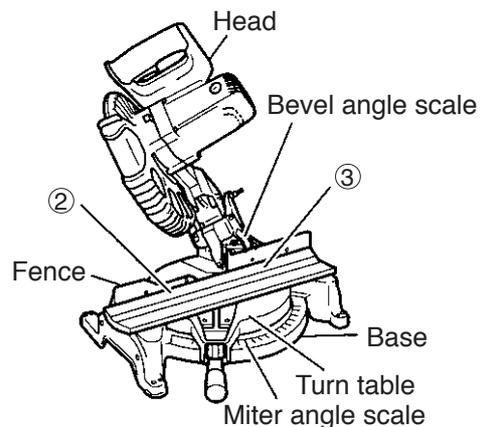


Fig. 19

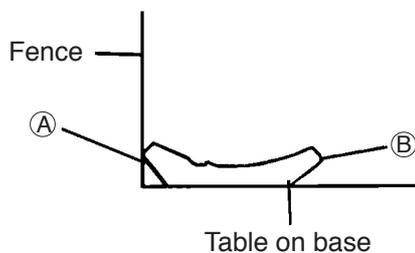


Fig. 20

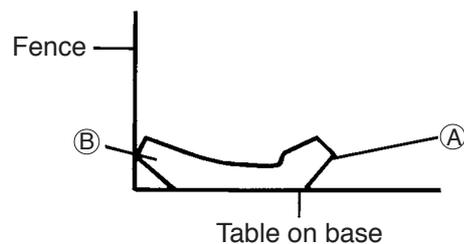


Fig. 21

Cutting method of crown molding without tilting the saw blade

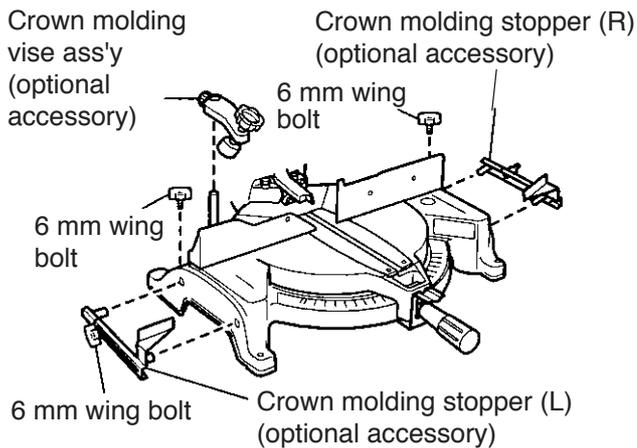


Fig. 22

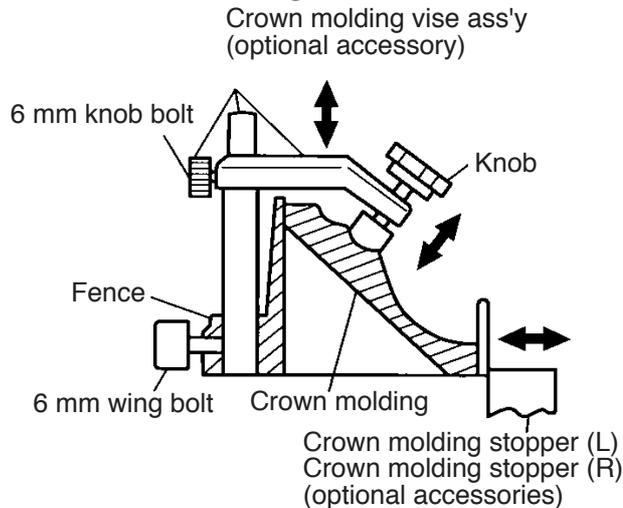


Fig. 23

(1) Crown molding stopper (L) and (R) (optional accessories) allow easier cuts of crown molding without tilting the saw blade. Install them to both sides of the base as shown in Fig. 22. After inserting, tighten the 6 mm knob bolts to secure the crown molding guides.

[Optional accessories used]

- Crown molding vise ass'y (include crown molding stopper (L))
- Crown molding stopper (L)
- Crown molding stopper (R)

(2) The crown molding vise ass'y (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 6 mm knob bolt.

After adjusting the height, firmly tighten the 6 mm wing bolt; then turn the upper knob, as necessary, to securely attach the crown molding in position. (See Fig. 23.)

⚠ 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 perform bevel cutting. The main body or saw blade may contact the sub fence, resulting in an injury.

⚠ CAUTION: Always confirm that the motor head 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 6 mm 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 crown molding stoppers as shown in Fig. 23. Adjust the crown molding stoppers according to the size of the crown molding. Tighten the 6 mm wing bolt to secure the crown molding stoppers.

9. ADJUSTMENT OF COMPONENTS

9-1. Bevel Angle Adjustment

Before the power tool is shipped from the factory, it is adjusted for 0° and left 45° bevel cutting angles. The positioning and bevel cutting angle can be adjusted by changing the height of the 8 mm nylock bolt (maximum bevel cutting angle is 48°).

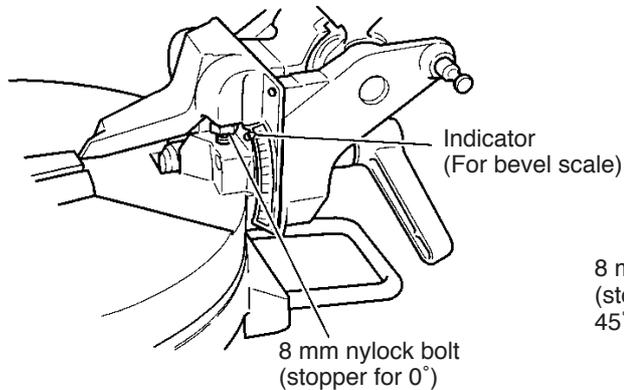


Fig. 24

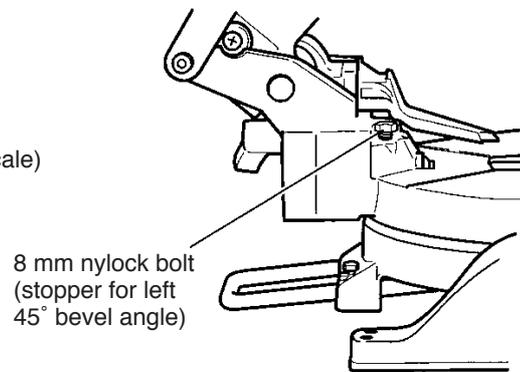


Fig. 25

10. PACKING

(1) Preparation before packing

Turn the turn table 45° clockwise.

(2) Mounting packing (C)

Place packing (C) under the gear case and swing the motor section. Pressing on packing (C), hook the stopper pin on the gear case.

(3) Mounting packing (E)

Fold packing (E) in two at the center and insert it between the gear case and protective cover (A).

(4) Mounting packings (B) and (A)

Place the base packing in the carton box and place the power tool on it. Fit packing (B) on the housing. Place packing (A) at the left of the base.

(5) Mounting packing (D) and upper packing

Place packing (D) on the switch handle and place the upper packing on packings (A), (B) and (D). Close the carton box.

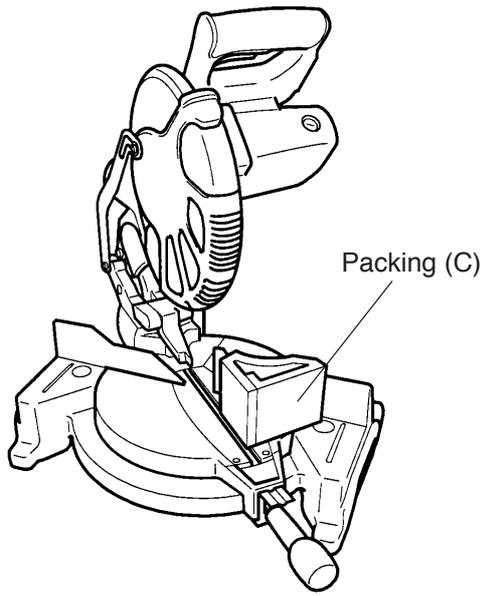


Fig. 26

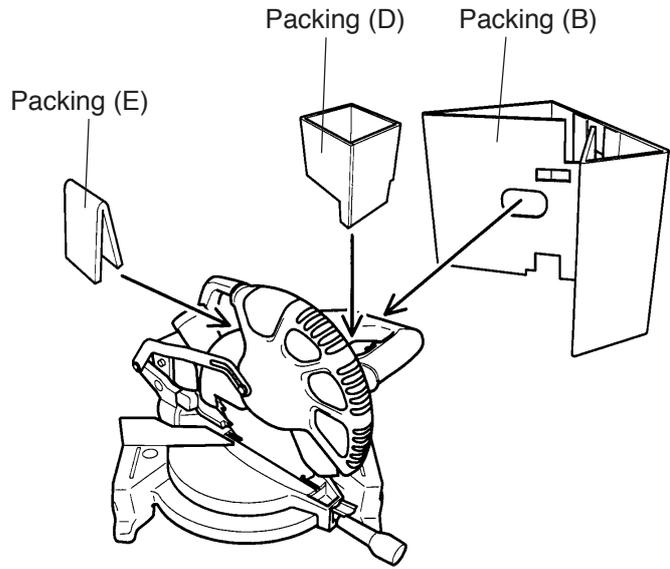


Fig. 27

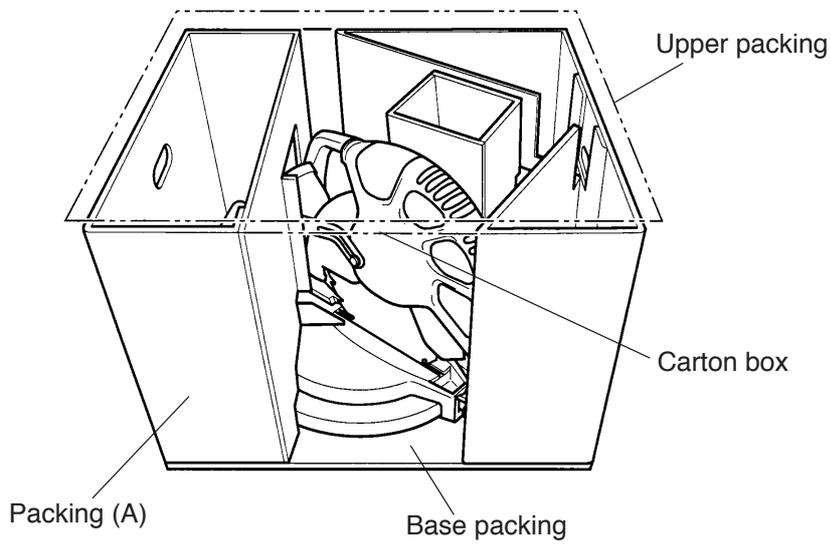


Fig. 28

11. PRECAUTIONS IN DISASSEMBLY AND REASSEMBLY

11-1. Precautions in Disassembly and Reassembly of the Laser Marker (Only Model C 10FCH)

Do not stare into the laser emitting aperture during disassembly and reassembly of the laser marker. Do not observe beam directly with an optical instrument. Use of controls or adjustments or performance of procedures other than those specified in this TECHNICAL DATA AND SERVICE MANUAL and the Instruction Manual may result in hazardous radiation exposure.

11-2. Disassembly

Special attention in disassembly should be given to the following items. The circled numbers in the figures and the **[Bold]** numbers in the descriptions below correspond to the item numbers in the parts list and exploded assembly diagram of the Model C 10FCH. For the Model C 10FCE, refer to the parts list separately.

- Be sure to first disconnect the power plug when performing disassembly or replacement of the saw blade.

A. Turn table and base

Tools required:

- Phillips screwdriver
- Flat-blade screwdriver
- Box wrench 13 mm
- Box wrench 19 mm

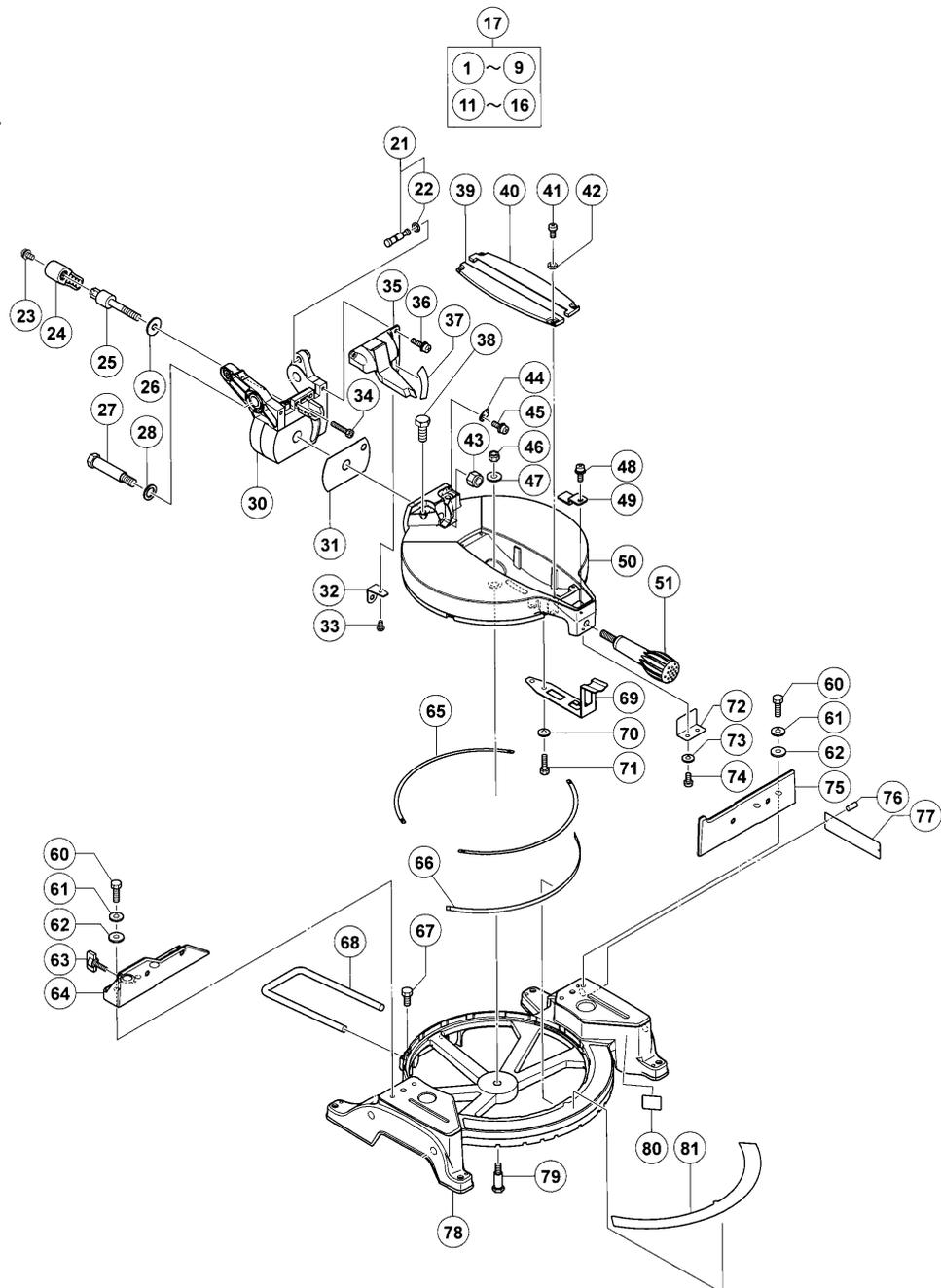


Fig. 29

1. Remove the four Bolts M8 x 35 **[60]**, Spring Washers M8 **[61]** and Bolt Washers M8 **[62]**, then remove Fence (A) **[75]** and Fence (B) **[64]**.
2. Loosen the Clamp Lever **[24]** and remove the Machine Screw (W/Washers) M6 x 10 **[23]**. Turn the Bolt (Left Hand) M10 **[25]** and remove it from the Hinge **[30]**.
3. Remove Shaft (D) **[27]** and remove the Hinge **[30]** from the Turn Table **[50]**.
4. Remove Table Insert (A) **[40]** and Table Insert (B) **[39]** from the Turn Table **[50]** by removing each fixing screw. Remove the Side Handle **[51]** to remove the Spring Plate **[69]** from the Turn Table **[50]**.
5. Remove the Nylon Nut M8 **[46]** and remove the Turn Table **[50]** from the Base Ass'y **[78]**.

B. Armature ass'y

Cord, stator ass'y and housing ass'y

Tools required:

- Phillips screwdriver
- Flat-blade screwdriver
- Plastic hammer
- Nipper

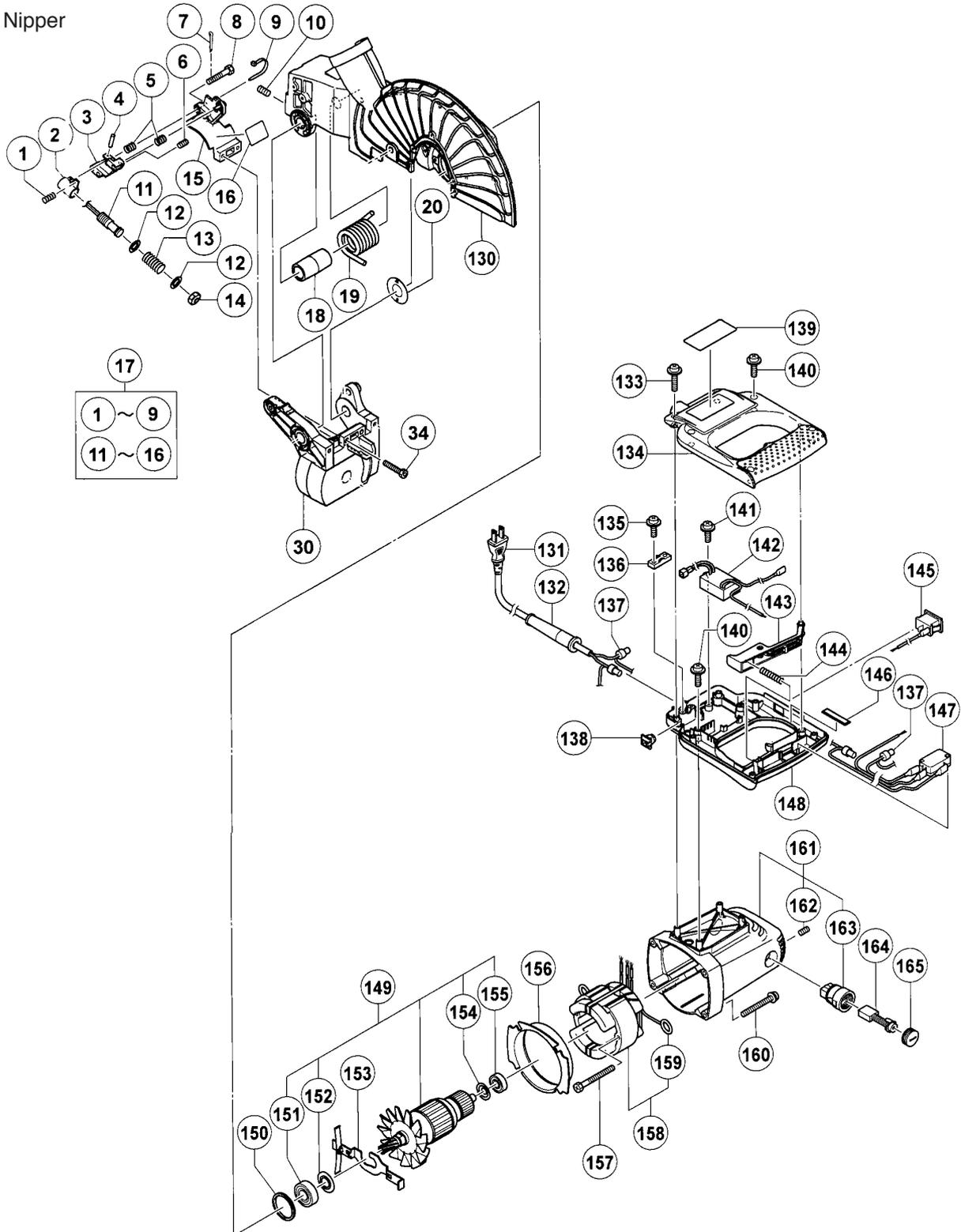


Fig. 30

1. Remove the two Tapping Screws (W/Flange) D4 x 25 (Black) **[133]** and the four Tapping Screws (W/Flange) D4 x 20 (Black) **[140]**, then remove Switch Handle (A) **[134]**.
2. Remove the wire of the Laser Module **[11]** from the Switching Power Supply **[142]**. (Only the Model C 10FCH)
3. Remove the Brush Cap **[165]** and the Carbon Brush **[164]**.
4. Remove the four Machine Screws (W/Washers) M5 x 40 (Black) **[160]**. Then the Housing Ass'y **[161]** can be removed from the Gear Case Ass'y **[130]** together with Switch Handle (B) **[148]**. The Lock Lever **[153]** and the Armature Ass'y **[149]** can also be removed.
5. Cut the internal wires at the root of the Connector **[137]** to disconnect the Cord **[131]** and the Stator Ass'y **[158]**. Otherwise, the internal wires become short and they cannot be wired in reassembly work. (See "11-4. Wiring Diagram" for details.)
6. Remove the Tapping Screw (W/Flange) D4 x 16 **[135]**. Then remove the Cord Clip **[136]**, Cord **[131]** and Cord Armor **[132]**.
7. Remove two Hex. Hd. Tapping Screws D5 x 50 **[157]** to remove the Brush Terminal **[159]** from the Brush Holder **[163]**. Gently tap the surface of the Housing Ass'y **[161]** where the Gear Case Ass'y **[130]** was mounted with a plastic hammer to remove the Stator Ass'y **[158]**.

C. Safety cover and link

Spindle and spring

Tools required:

- Phillips screwdriver
- Hex. bar wrench 4 mm
- Hex. bar wrench 3 mm
- Box wrench 10 mm (standard accessory)
- Plastic hammer

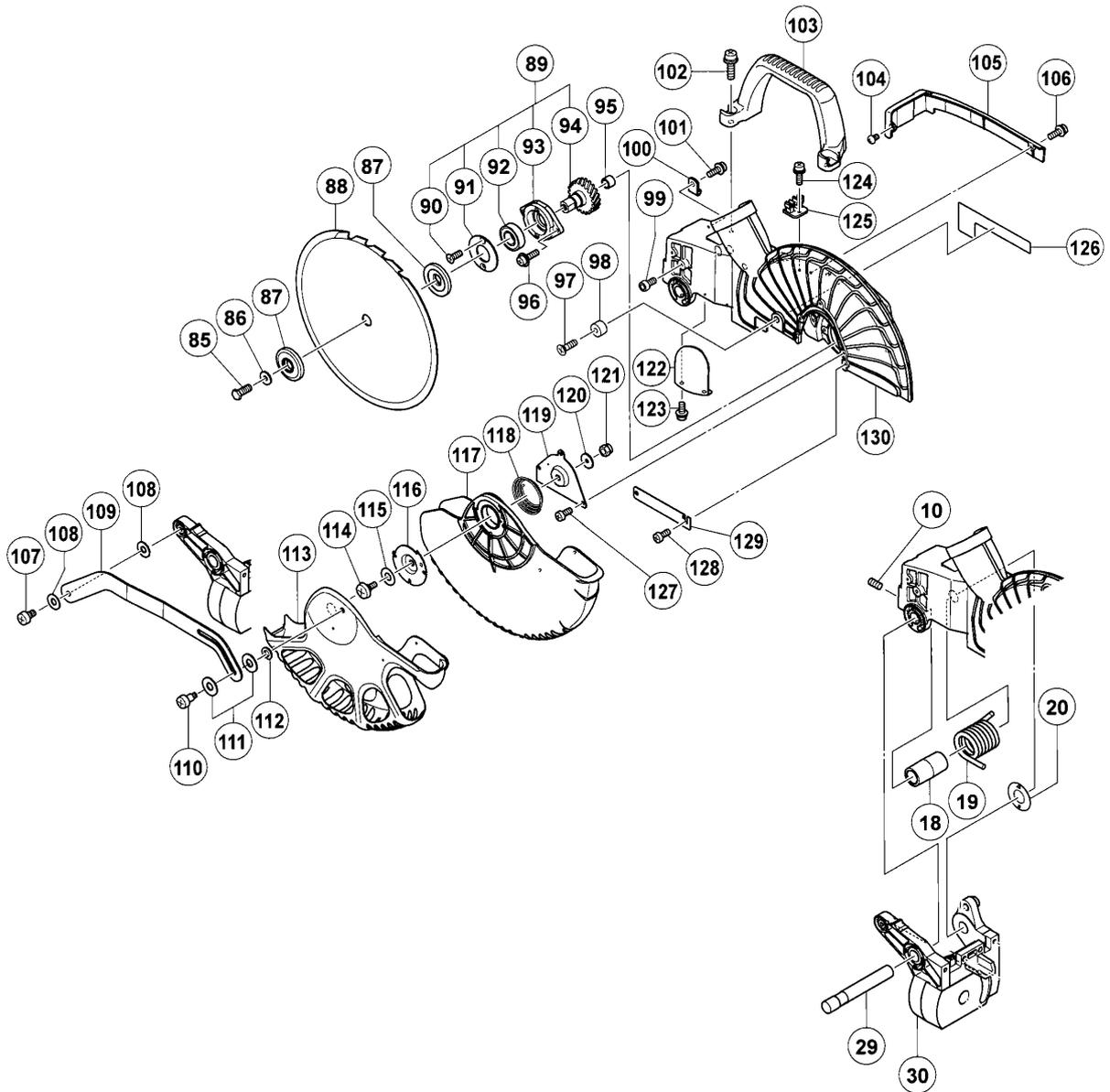


Fig. 31

1. Remove the Machine Screw M4 x 8 [128] at the notched side of the Spindle Cover [129] and slide the Spindle Cover [129] to remove the TCT Saw Blade 255 mm [88] in the next step.
2. Remove the Bolt (Left Hand) W/Washer M7 x 17.5 [86] using the Box Wrench 10 mm (standard accessory). Then Washer (D) [87], TCT Saw Blade 255 mm [88] and the other Washer (D) [87] can be removed in this order.
3. Remove Special Screw (C) M5 [110] and Special Screw M6 [107], then remove the Link [109].
4. Remove the three Machine Screws M4 x 8 [127] and remove the lower guard ass'y from the Gear Case Ass'y [130].
5. Remove the two Machine Screws (W/Sp. Washer) M5 x 16 [96]. Slightly tap the Gear Case Ass'y [130] with a plastic hammer to remove the Spindle Ass'y [89].
6. Remove the two Tapping Screws (W/Flange) D4 x 25 (Black) [133] and the four Tapping Screws (W/Flange) D4 x 20 (Black) [140], then remove Switch Handle (A) [134]. Remove the wire of the Laser Module [11] from the Switching Power Supply [142]. (Only the Model C 10FCH)
7. Remove the Hex. Socket Hd. Bolt M5 x 10 [99]. Note that the Gear Case Ass'y [130] moves upward when the Hex. Socket Hd. Bolt M5 x 10 [99] is removed because the Hex. Socket Hd. Bolt M5 x 10 [99] acts as an upper limit stopper of the Gear Case Ass'y [130].
8. Remove the Seal Lock Hex. Socket Set Screw M6 x 10 [10]. Holding the Gear Case Ass'y [130], slightly tap Shaft (C) [29] to remove it. Then the Spring [19] can be removed.

D. Vise ass'y

Tool required:

- Phillips screwdriver

1. Remove the Wing Bolt M6 x 15 [54] to remove the Vise Shaft [59].
2. Remove the Machine Screw M4 x 10 [58] to remove the Vise Plate [57].
3. Remove the Knob Bolt M10 x 66 [53] from the Screw Holder [55].

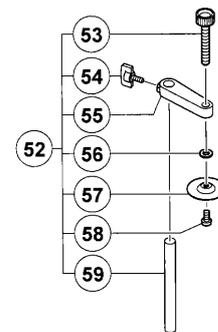


Fig. 32

E. Laser marker

Tools required:

- Phillips screwdriver
- Hex. bar wrench 4 mm
- Hex. bar wrench 3 mm
- Long-nose pliers

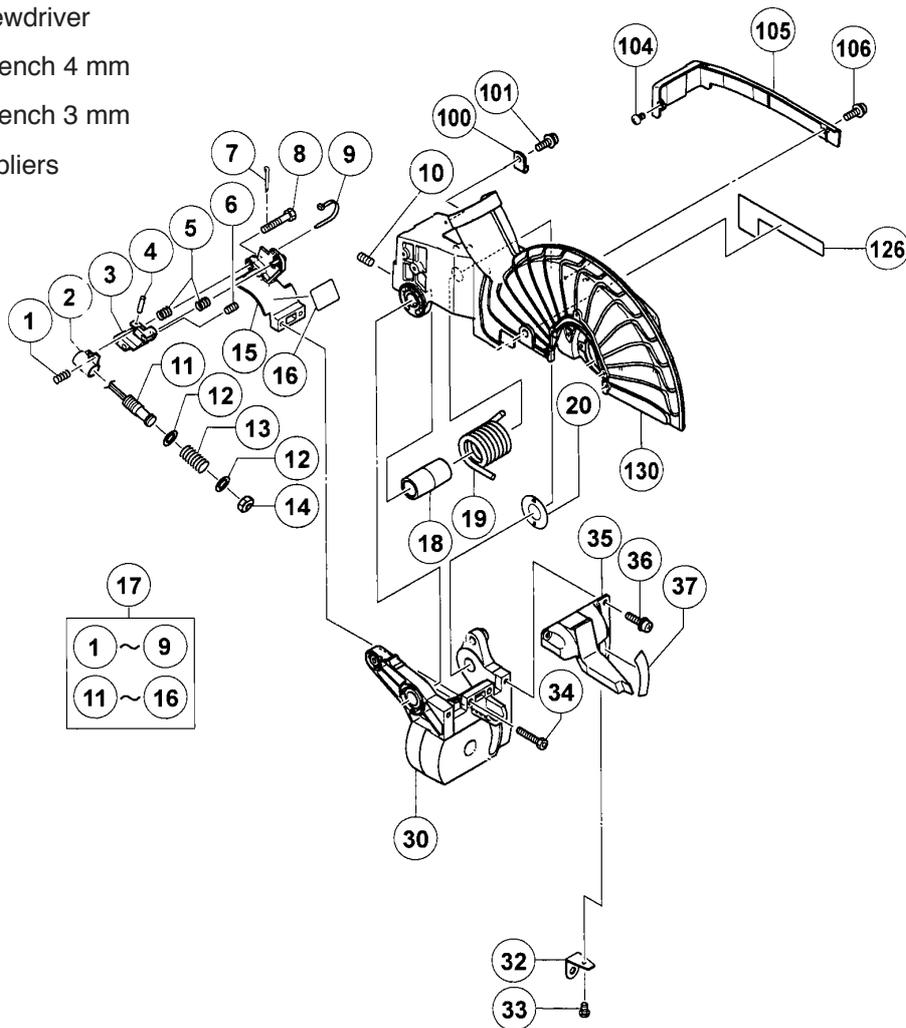


Fig. 33

1. Remove the two Tapping Screws (W/Flange) D4 x 25 (Black) [133] and the four Tapping Screws (W/Flange) D4 x 20 (Black) [140], then remove Switch Handle (A) [134]. Remove the wire of the Laser Module [11] from the Switching Power Supply [142]. (Only the Model C 10FCH)
2. Remove the Machine Screw (W/Washers) M4 x 16 [106], Machine Screw M4 x 8 [104] and the Gear Case Cover [105].
3. Remove the Machine Screw (W/Washers) M4 x 12 (Black) [101] and the Nylon Clip [100].
4. Remove the two Machine Screws (W/Washers) M5 x 16 [36] and remove the Dust Guide Ass'y [35] from the Hinge [30].
5. Remove the two Hex. Socket Hd. Bolts M6 x 25 [34] and remove the Laser Holder Ass'y [17] from the Hinge [30].
6. Remove the Split Pin D2 x 12 [7] using a pair of long-nose pliers. Loosen the Special Bolt M5 [8] and remove the Laser Base Ass'y [15] and Spring (C) [5].

11-3. Reassembly

Reassembly can be accomplished by following the disassembly procedures in reverse. However, special attention should be given to the following items.

- (1) Prior to reassembly, measure the insulation resistance of the armature, stator, switch and other electrical components and confirm that the insulation resistance of each part is more than 5 M Ω .
- (2) When replacing the Spring **[19]**, apply 5 grams of Hitachi Motor Grease to the inner circumference of the new Spring **[19]** prior to reassembly.
- (3) When replacing Liner (A) **[65]** and Liner (C) **[66]**, apply Hitachi Motor Grease to the sliding surface of the Base Ass'y **[78]** prior to reassembly.
- (4) When replacing the Return Spring **[118]**, apply 2 grams of Hitachi Motor Grease to the inner circumference of the new Return Spring **[118]** prior to reassembly.
- (5) When replacing Liner (B) **[31]**, apply 5 grams of Hitachi Motor Grease to the sliding surface of the Turn Table **[50]** prior to reassembly.
- (6) Be careful not to pinch Liner (C) **[66]** when mounting the Turn Table **[50]** to the Base Ass'y **[78]**.

11-4. Wiring Diagram

Carefully ensure that wiring is accomplished as illustrated below. As incorrect wiring will result in lack of rotation, reverse rotation or other malfunctions, close attention is absolutely necessary.

[WARNING] Be sure to turn off Switch (A) [145] on the side of the Switch Handle and unplug the power cord plug from the receptacle before replacing the Laser Module [11] and the Switching Power Supply [142]. Do not stare into beam while the laser marker is lighting.

Wiring diagram (C 10FCH)

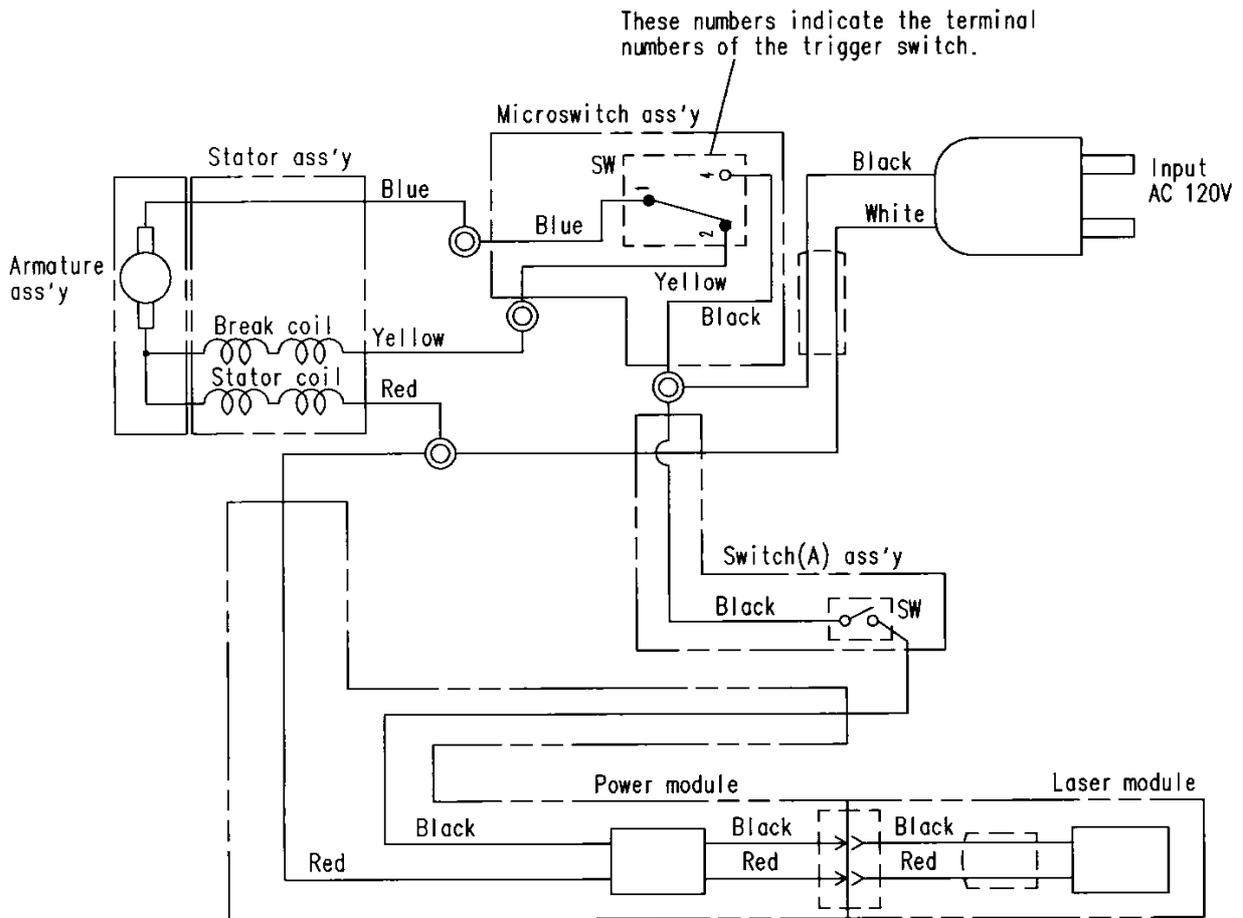


Fig. 34

Wiring diagram (C 10FCH)

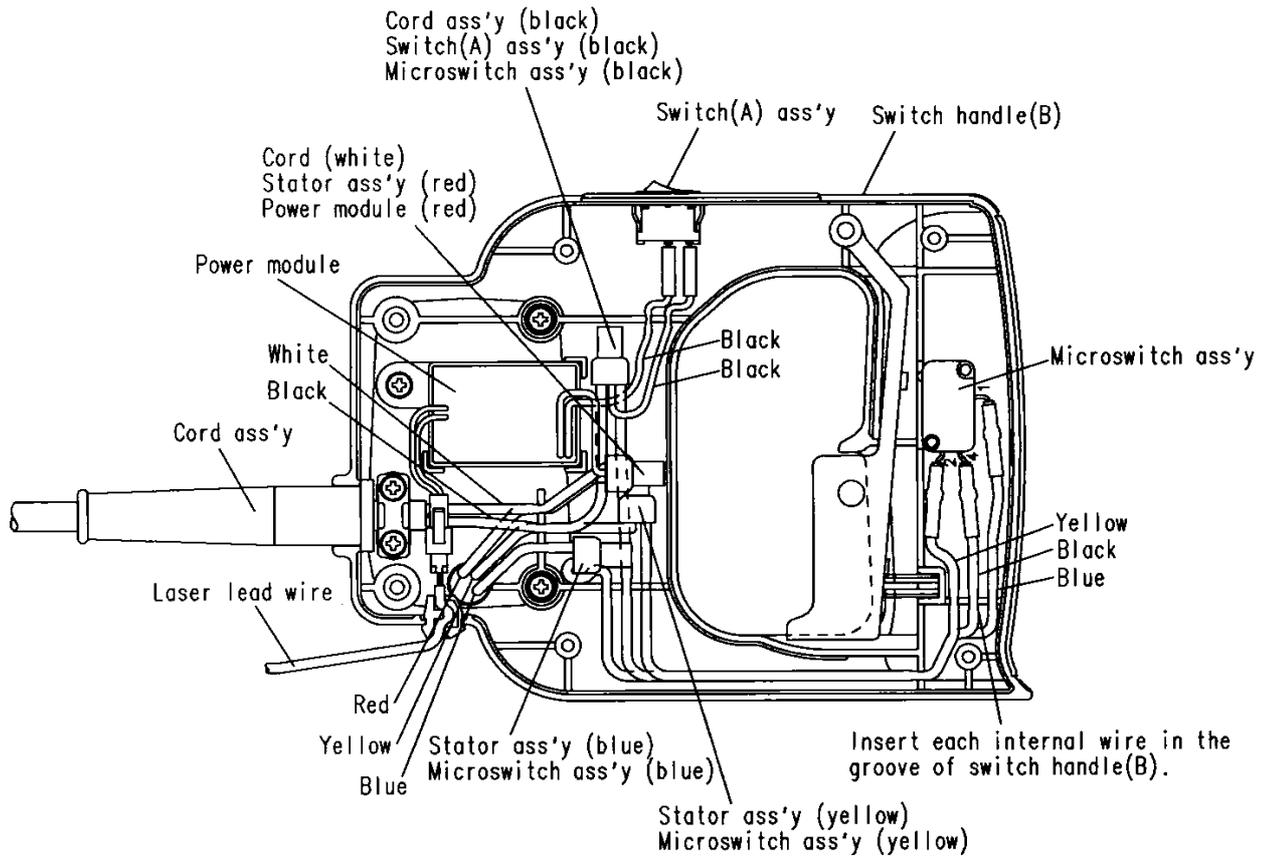


Fig. 35

Wiring diagram (C 10FCE)

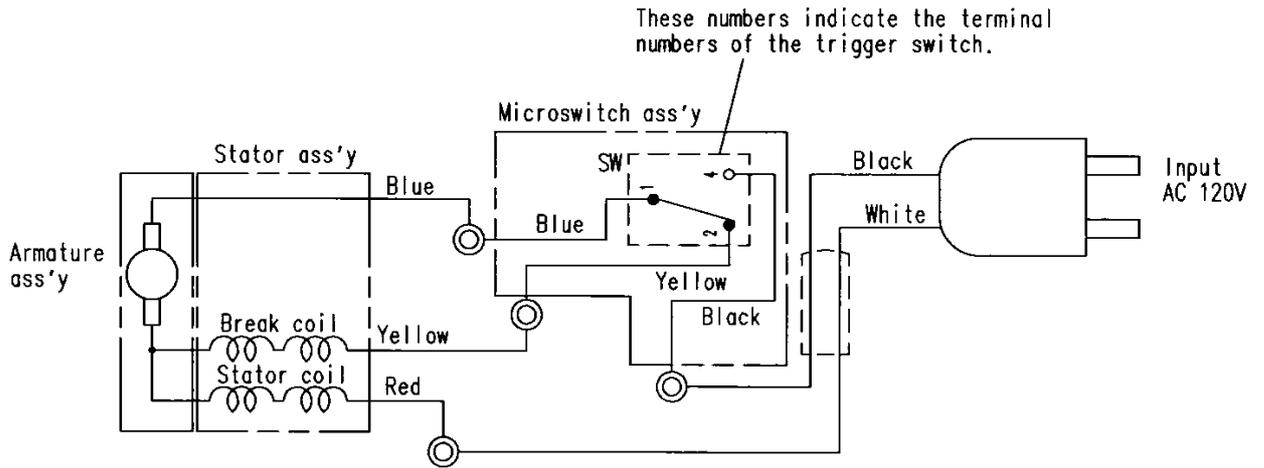


Fig. 36

Wiring diagram (C 10FCE)

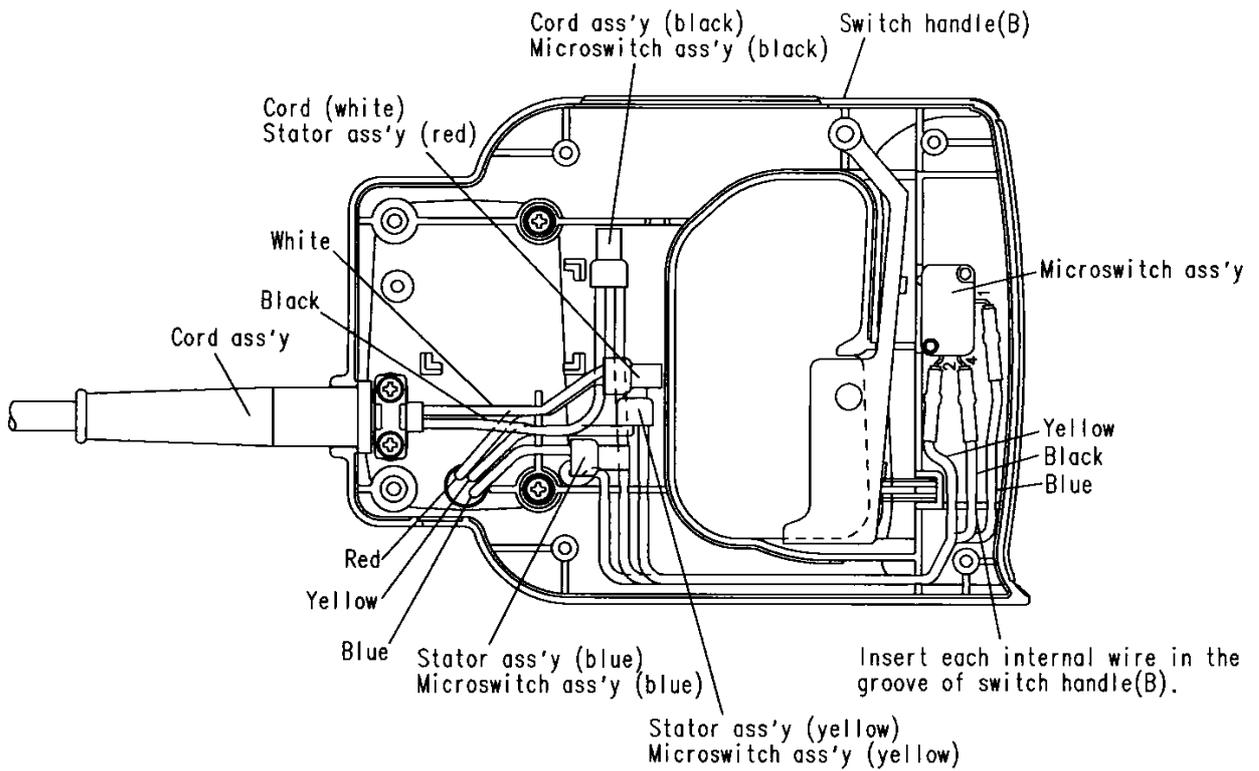


Fig. 37

11-5. No-load Current

After no-load operation for 30 minutes, the no-load current values should be as follows.

Voltage, frequency	120 V
No-load current	7 ± 0.8 A

11-6. Reassembly Requiring Adjustment

(1) Adjustment of squareness between the saw blade (dummy disc) and the fences

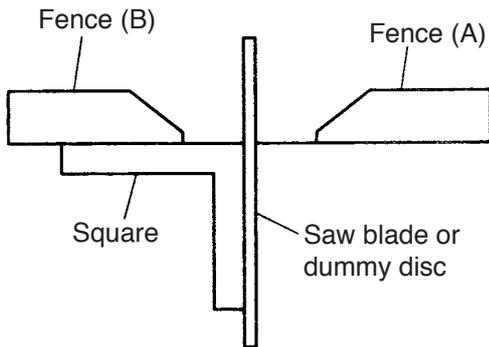


Fig. 38

After disassembly or replacement of the Base Ass'y [78], Turn Table [50], Fence (A) [75], Fence (B) [64] or Hinge [30], it is necessary to perform necessary adjustment to ensure that the fences are positioned at precise right angles with relation to the saw blade (or dummy disc). Align fence (B) with the saw blade (or dummy disc), and adjust them as necessary to ensure squareness (tolerance: 0.4/100 mm). As shown in Fig. 38, use a square to adjust fence (B) so that it is square with the saw blade. Next, use a straight edge to adjust fence (A) so that it is exactly aligned with fence (B). Finally, use the square to confirm squareness of fence (A) with the saw blade (tolerance: 0.4/100 mm).

(2) Reassembly of the Turn Table [50]

When reassembling the Turn Table [50] and the Base Ass'y [78], tighten the Nylon Nut M8 [46] so that the Turn Table [50] turns smoothly without excessive play or vibration. During reassembly, liberally apply grease (Hitachi Motor Grease) at the point marked "A" in Fig. 39.

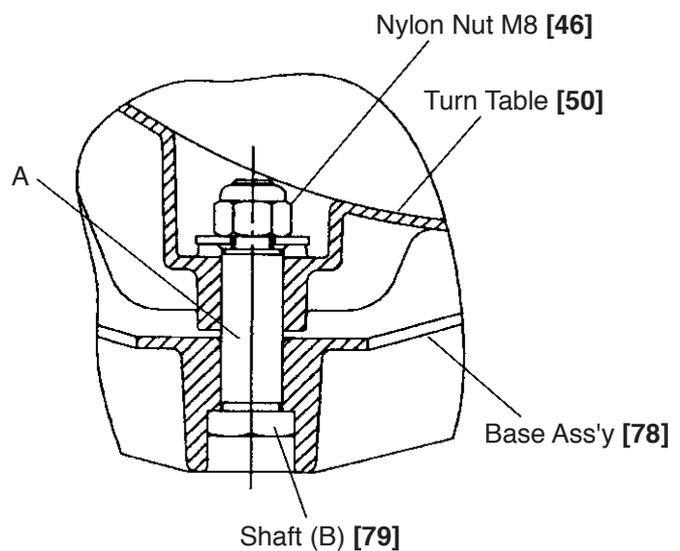


Fig. 39

11-7. Lubrication

Advise the customer to lubricate the machine as indicated below at least once a month. Also, prior to applying lubrication, any sawdust, dirt or other foreign matter should be thoroughly wiped away with a soft cloth.

(1) Swiveling section of the Gear Case Ass'y [130] and the Hinge [30]

Coat the swiveling and sliding portion of the Gear Case Ass'y [130] and the Hinge [30] with machine oil.

(2) Vise ass'y section

Coat the screw thread portion of the Knob Bolt M10 x 66 [53] of the Vise Ass'y [52] with machine oil.

(3) Swiveling section of the Turn Table [50] and the Hinge [30]

Coat the swiveling and sliding portion of the Turn Table [50] and the Hinge [30] with machine oil.

11-8. Product Precision

On completion of reassembly, confirm precision tolerances.

(Unit: mm)

Item	Tolerance
Run-out of dummy disc	0.38/220 (0.016"/8-5/8")
Squareness between base and fences (A) and (B)	0.4/height of fence (0.016"/height of fence)
Flatness between fence (A) and fence (B)	0.1 (0.004")
Squareness between dummy disc and fences (A) and (B)	0.4/100 (0.016"/4")
Squareness between dummy disc and turn table	0.4/100 (0.016"/4")
Surface alignment of base and turn table (Use the upper surface of the base as a reference.)	$\oplus 0.2 (\oplus 0.008")$ $\ominus 0.1 (\ominus 0.004")$

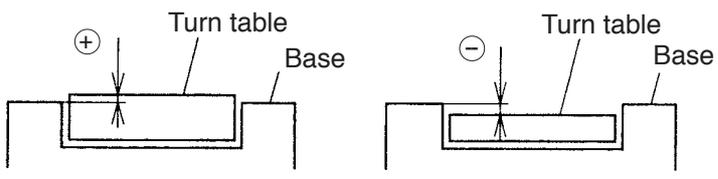


Fig. 40

11-9. Adjustment of Laser Marker Accuracy (Model C 10FCH only)

(1) Construction of laser marker and functions of each component

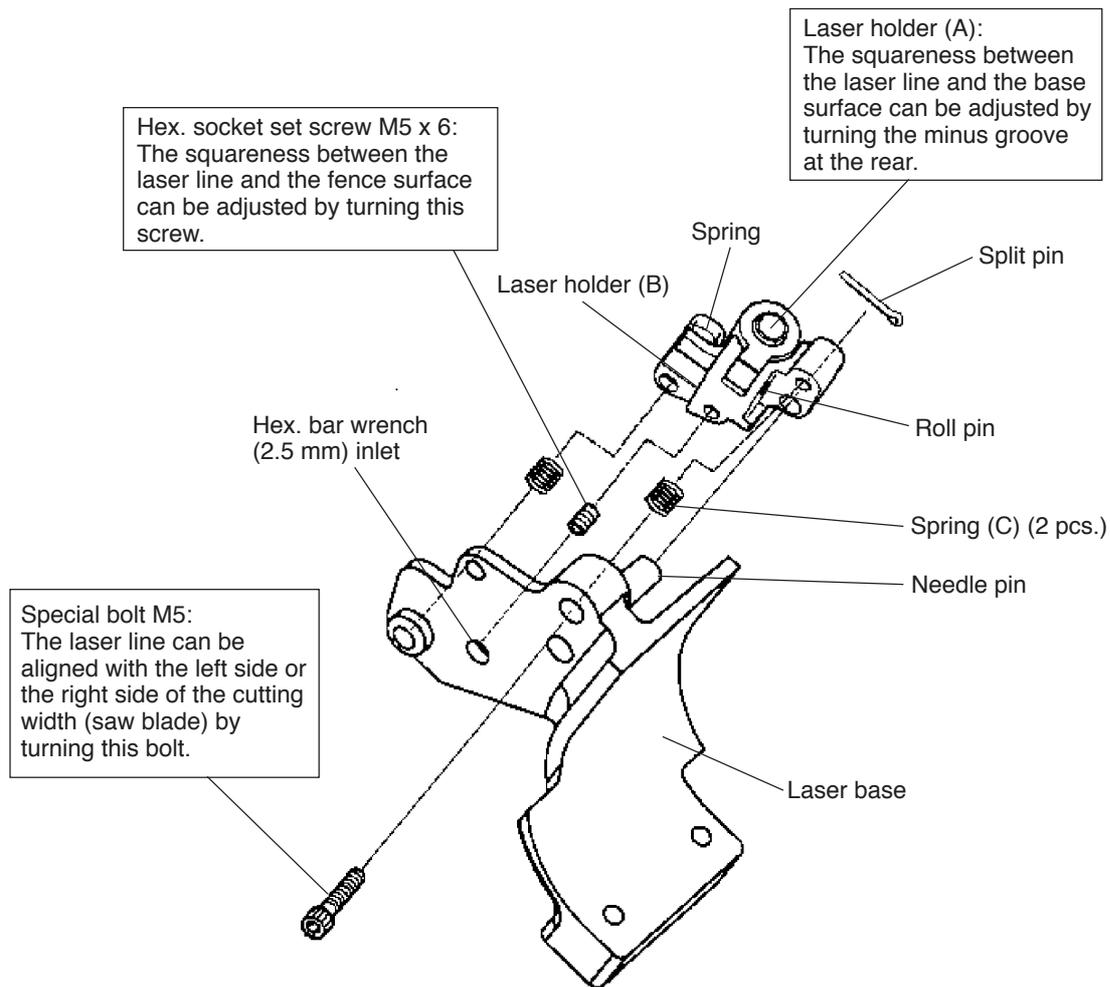


Fig. 41

[Caution] 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 stare into beam while the laser marker is lighting. Do not observe beam directly with an optical instrument. If your eye is exposed directly to the laser beam, it can be hurt.

Instruct the customer not to stare into beam. In addition, instruct the customer not to give strong impact to the laser marker (main body of tool) and not to dismantle the laser marker.

Use of controls or adjustments or performance of procedures other than those specified in this TECHNICAL DATA AND SERVICE MANUAL and the Instruction Manual may result in hazardous radiation exposure.

(2) Adjustment of squareness with the fence surface

The laser line inclines to the left by turning the Hex. Socket Set Screw M5 x 6 [6] clockwise and inclines to the right by turning counterclockwise.

The squareness of the laser line with the fence surface can be adjusted in this manner.

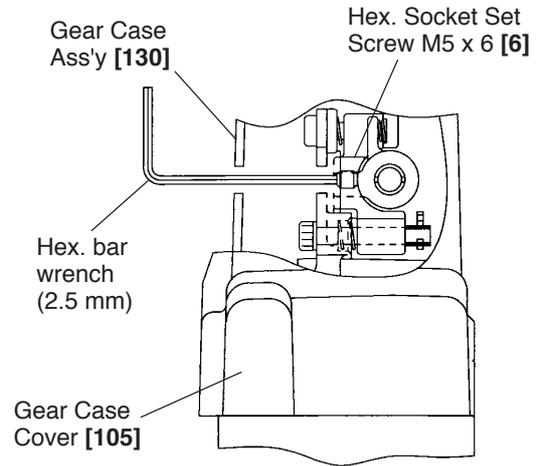


Fig. 42

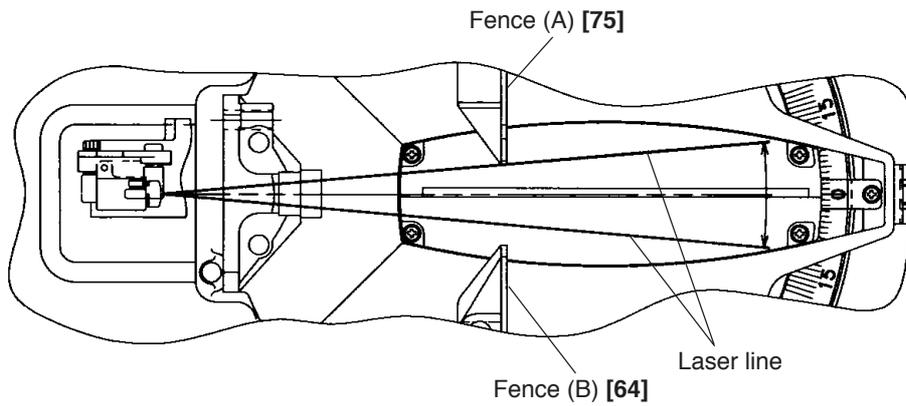


Fig. 43

(3) Adjustment of squareness with the base surface

The laser line inclines to the right by turning the minus groove clockwise and inclines to the left by turning counterclockwise. The squareness of the laser line with the base surface can be adjusted in this manner.

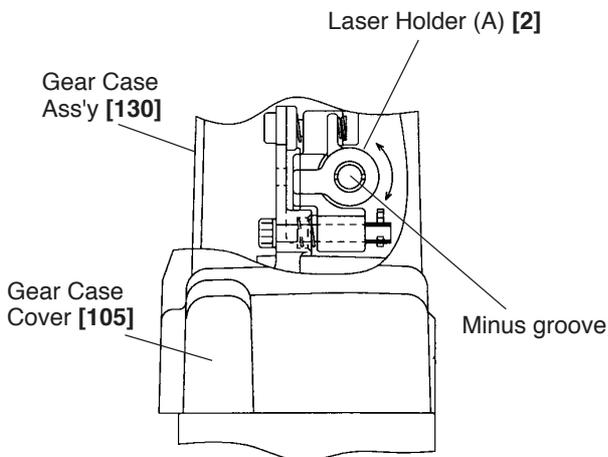


Fig. 44

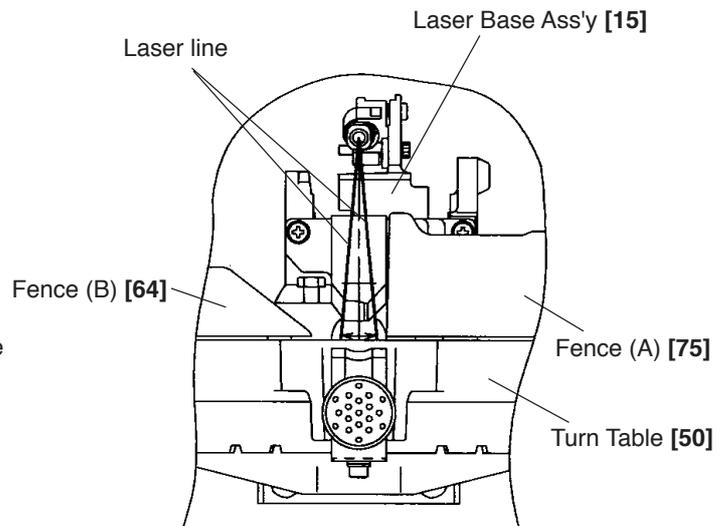


Fig. 45

(4) Adjustment of the laser marker

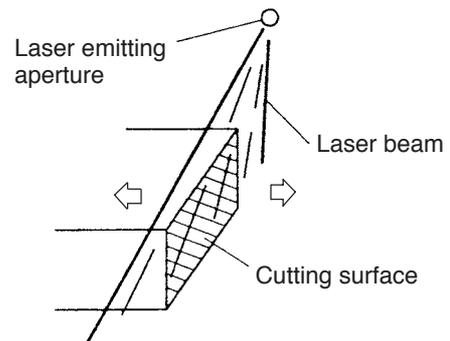
Adjust the laser marker according to the following steps from ① to ⑤ .

Adjust the product accuracy first because the accuracy of the laser marker is adjusted aligning the cut surface of the workpiece.

- ① First, hold a workpiece of 38 mm in height and 89 mm in width with the vise and perform right-angle cutting.
- ② Light up the Laser Marker with the workpiece held in the vise. Turn the Special Bolt M5 [8] to shift the laser line onto the cutting surface, top edge or rear edge of the cutting surface.
- ③ Turn the Hex. Socket Set Screw M5 x 6 [6] and the minus groove at the rear of Laser Holder (A) [2] so that laser beam is applied to the entire cutting surface of the workpiece. If the laser line gets out of the cutting surface during the laser line adjustment, turn the Special Bolt M5 [8] to shift the laser line onto the cutting surface, top edge or rear edge of the cutting surface then adjust the accuracy of the laser line. (Repeat this operation 3 or 4 times depending on the adjusting conditions of the laser marker.) Refer to the above (2) and (3) for the relation between the Hex. Socket Set Screw M5 x 6 [6] and the laser line, and the relation between the minus groove at the rear of Laser Holder (A) [2] and the laser line.

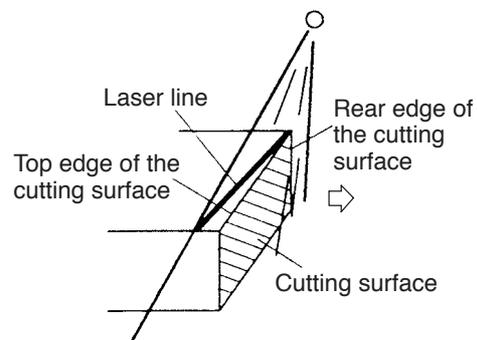
- ④ To check the accuracy of the laser marker, move the laser marker horizontally using the Special Bolt M5 [8] again and check that the laser beam is applied to the entire cutting surface. If the laser beam is applied to the cutting surface in parallel, the fine fuzz reflects the laser beam and the entire cutting surface becomes bright.

- ⑤ Make a right-angle ink line on the workpieces of 38 mm in height and 89 mm in width. Adjust the laser marker and perform cutting. If the ink line matches the cutting position, the accuracy adjustment is completed. (Visually check that the laser marker accuracy is 0.5/100 or less for both the squareness with the base surface and the squareness with the fence surface.)



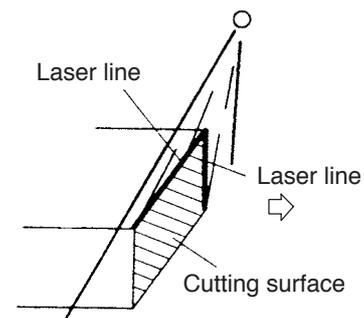
- Cut the workpiece and light up the laser marker.

Fig. 46



- Turn the Special Bolt M5 [8] to shift the laser line onto the cutting surface, top edge or rear edge of the cutting surface.

Fig. 47



- Adjust the Hex. Socket Set Screw M5 x 6 [6] and the minus groove at the rear of Laser Holder (A) [2] or the Special Bolt M5 [8] to apply laser beam to the entire cutting surface.

Fig. 48

11-10. Tightening Torque

(1) Model C 10 FCH

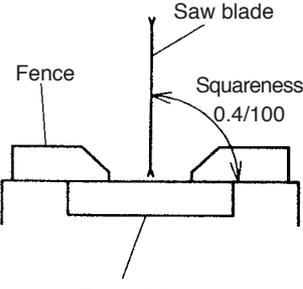
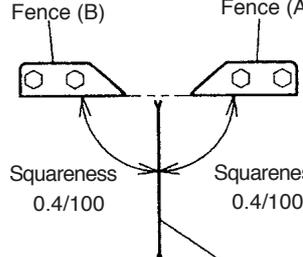
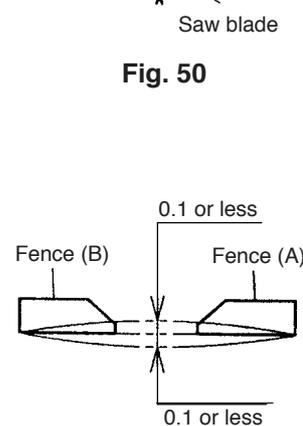
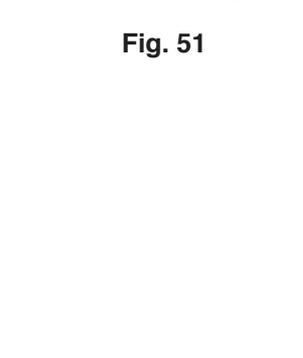
• Seal Lock Hex. Socket Set Screw M6 x 10 [10]	43.4 in-lbs. (4.9 N·m, 50 kgf·cm)
• Machine Screw (W/Washers) M6 x 10 [23]	43.4 in-lbs. (4.9 N·m, 50 kgf·cm)
• Hex. Socket Hd. Bolt M6 x 25 [34]	86.8 in-lbs. (9.8 N·m, 100 kgf·cm)
• Machine Screw (W/Washers) M5 x 16 [36]	30.4 in-lbs. (3.4 N·m, 35 kgf·cm)
• Machine Screw M4 x 12 [41]	15.6 in-lbs. (1.8 N·m, 18 kgf·cm)
• Machine Screw (W/Washers) M4 x 10 (Black) [45]	15.6 in-lbs. (1.8 N·m, 18 kgf·cm)
• Machine Screw (W/Washers) M4 x 10 (Black) [48]	12.2 in-lbs. (1.4 N·m, 14 kgf·cm)
• Bolt M8 x 35 [60]	86.8 in-lbs. (9.8 N·m, 100 kgf·cm)
• Bolt M6 x 10 [67]	43.4 in-lbs. (4.9 N·m, 50 kgf·cm)
• Hex. Socket Hd. Bolt M8 x 16 [71]	86.8 in-lbs. (9.8 N·m, 100 kgf·cm)
• Machine Screw M4 x 8 [74]	15.6 in-lbs. (1.8 N·m, 18 kgf·cm)
• Bolt (Left Hand) W/Washer M7 x 17.5 [86]	73.8 in-lbs. (8.3 N·m, 85 kgf·cm)
• Seal Lock Flat Hd. Screw M4 x 10 [90]	16.5 in-lbs. (1.9 N·m, 19 kgf·cm)
• Machine Screw (W/Sp. Washer) M5 x 16 [96]	30.4 in-lbs. (3.4 N·m, 35 kgf·cm)
• Hex. Socket Hd. Bolt M5 x 10 [99]	30.4 in-lbs. (5.9 N·m, 60 kgf·cm)
• Machine Screw (W/Washers) M4 x 12 (Black) [101]	15.6 in-lbs. (1.8 N·m, 18 kgf·cm)
• Machine Screw (W/Washers) M6 x 20 [102]	43.4 in-lbs. (4.9 N·m, 50 kgf·cm)
• Machine Screw M4 x 8 [104] [127] [128]	51.3 in-lbs. (1.8 N·m, 18 kgf·cm)
• Machine Screw (W/Washers) M4 x 16 [106]	15.6 in-lbs. (1.8 N·m, 18 kgf·cm)
• Special Screw M6 [107]	43.4 in-lbs. (4.9 N·m, 50 kgf·cm)
• Special Screw (C) M5 [110]	30.4 in-lbs. (3.4 N·m, 35 kgf·cm)
• Machine Screw M5 x 20 [110]	26 in-lbs. (2.9 N·m, 30 kgf·cm)
• Machine Screw (W/Washers) M4 x 12 (Black) [123] [124]	15.6 in-lbs. (1.8 N·m, 18 kgf·cm)
• Tapping Screw (W/Flange) D4 x 25 (Black) [133]	17.4 in-lbs. (2 N·m, 20 kgf·cm)
• Tapping Screw (W/Flange) D4 x 16 [135] [141]	17.4 in-lbs. (2 N·m, 20 kgf·cm)
• Tapping Screw (W/Flange) D4 x 20 (Black) [140]	17.4 in-lbs. (2 N·m, 20 kgf·cm)
• Machine Screw (W/Washers) M5 x 40 (Black) [160]	30.4 in-lbs. (3.4 N·m, 35 kgf·cm)
• Hex. Socket Set Screw M5 x 8 [162]	8.7 in-lbs. (1 N·m, 10 kgf·cm)

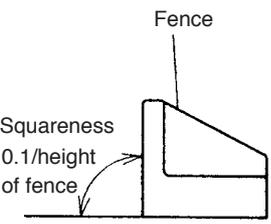
(2) Model C 10 FCE

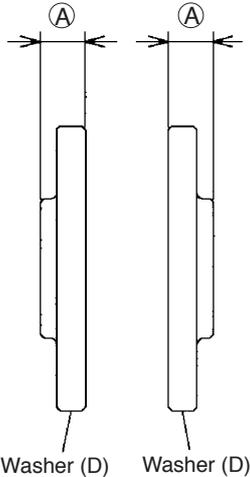
• Machine Screw (W/Washers) M6 x 10 [7]	43.4 in-lbs. (4.9 N·m, 50 kgf·cm)
• Machine Screw (W/Washers) M5 x 16 [19]	30.4 in-lbs. (3.4 N·m, 35 kgf·cm)
• Machine Screw M4 x 12 [24]	15.6 in-lbs. (1.8 N·m, 18 kgf·cm)
• Machine Screw (W/Washers) M4 x 10 (Black) [28]	15.6 in-lbs. (1.8 N·m, 18 kgf·cm)
• Machine Screw (W/Washers) M4 x 10 (Black) [31]	12.2 in-lbs. (1.4 N·m, 14 kgf·cm)
• Bolt (W/Washers) M8 x 35 (Black) [43]	86.8 in-lbs. (9.8 N·m, 100 kgf·cm)
• Bolt M6 x 10 [50]	43.4 in-lbs. (4.9 N·m, 50 kgf·cm)
• Hex. Socket Hd. Bolt M8 x 16 [54]	86.8 in-lbs. (9.8 N·m, 100 kgf·cm)
• Machine Screw M4 x 8 [57]	15.6 in-lbs. (1.8 N·m, 18 kgf·cm)
• Bolt (Left Hand) W/Washer M7 x 17.5 [71]	73.8 in-lbs. (8.3 N·m, 85 kgf·cm)
• Seal Lock Flat Hd. Screw M4 x 10 [75]	16.5 in-lbs. (1.9 N·m, 19 kgf·cm)
• Machine Screw (W/Sp. Washer) M5 x 16 [81]	30.4 in-lbs. (3.4 N·m, 35 kgf·cm)
• Hex. Socket Hd. Bolt M5 x 10 [84]	30.4 in-lbs. (5.9 N·m, 60 kgf·cm)
• Machine Screw (W/Washers) M6 x 20 [85]	43.4 in-lbs. (4.9 N·m, 50 kgf·cm)
• Machine Screw M4 x 8 [87] [105] [106]	51.3 in-lbs. (1.8 N·m, 18 kgf·cm)
• Machine Screw (W/Washers) M4 x 16 [89]	15.6 in-lbs. (1.8 N·m, 18 kgf·cm)
• Special Screw M6 [90]	43.4 in-lbs. (4.9 N·m, 50 kgf·cm)
• Special Screw (C) M5 [93]	30.4 in-lbs. (3.4 N·m, 35 kgf·cm)
• Machine Screw (W/Washers) M4 x 12 (Black) [109]	15.6 in-lbs. (1.8 N·m, 18 kgf·cm)
• Tapping Screw (W/Flange) D4 x 25 (Black) [113]	17.4 in-lbs. (2 N·m, 20 kgf·cm)
• Tapping Screw (W/Flange) D4 x 16 [115]	17.4 in-lbs. (2 N·m, 20 kgf·cm)
• Tapping Screw (W/Flange) D4 x 20 (Black) [119]	17.4 in-lbs. (2 N·m, 20 kgf·cm)
• Machine Screw (W/Washers) M5 x 40 (Black) [136]	30.4 in-lbs. (3.4 N·m, 35 kgf·cm)
• Hex. Socket Set Screw M5 x 8 [138]	8.7 in-lbs. (1 N·m, 10 kgf·cm)

12. REPAIR GUIDE

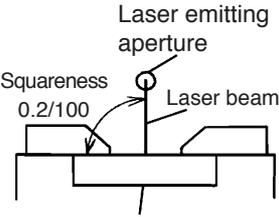
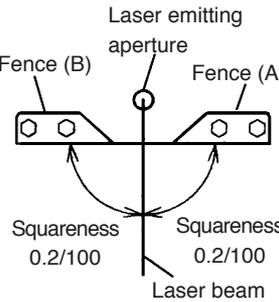
Unit: mm

Item	Phenomenon	Cause	Factory standard	Inspection, repair or adjustment
1	<p>Inaccurate cutting ... Inaccurate squareness of the cut surface ... Cut surfaces do not fit together properly.</p>	<p>(a) Inaccurate squareness between the turn table and the saw blade causes the saw blade to cut into the workpiece at an angle.</p>	<p>0.4/100 (Dummy disc) (Fig. 49)</p>	<ul style="list-style-type: none"> • Adjust squareness with the Nylock Bolt M8 x 25 [38]. • Replace the Hinge [30], Gear Case Ass'y [130] or the Turn Table [50] (if deformed).
	 <p>Fig. 49</p>	<p>(b) Excessive deflection of the saw blade (Excessive vibration)</p>	<p>0.38/220 (Dummy disc)</p>	<ul style="list-style-type: none"> • Replace the TCT Saw Blade 255 mm [88]. • Check for surface defects on Washer (D) [87], and repair with a file as necessary. • Replace Washer (D) [87].
	 <p>Fig. 50</p>	<p>(c) Inaccurate squareness between the fence and the saw blade</p>	<p>0.4/100 (Fig. 50)</p>	<ul style="list-style-type: none"> • Loosen the Bolt M8 x 35 [60] and adjust the squareness. • Replace Fence (A) [75] or Fence (B) [64].
	 <p>Fig. 51</p>	<p>(d) Inaccurate surface flatness of the fence causes workpiece to move irregularly, causing poor squareness of cut surface.</p>	<p>0.1 or less (Fig. 51)</p>	<ul style="list-style-type: none"> • Loosen the Bolt M8 x 35 [60] and adjust the squareness. • Replace Fence (A) [75] or Fence (B) [64].
	 <p>Fig. 51</p>	<p>(e) Inaccurate surface flatness of the turn table</p>	<p>0.15 or less</p>	<ul style="list-style-type: none"> • Replace the Turn Table [50].

Item	Phenomenon	Cause	Factory standard	Inspection, repair or adjustment
1	(Continued)  Fig. 52	(f) Inaccurate squareness between the fence and the turn table and/or the base causes the workpiece to tilt at an angle and prevent accurate cutting.	0.1/height of fence (Fig. 52)	<ul style="list-style-type: none"> • Replace Fence (A) [75] or Fence (B) [64].
		(g) Loose fitting of swiveling portion of the hinge and the gear case or sluggish movement. As a result, components may be deformed because of unstable gear case or because the operator applies excessive pressure during operation.	—	<ul style="list-style-type: none"> • Check the fitting surfaces of the Hinge [30], Gear Case Ass'y [130] and Shaft (C) [29] for any foreign substances (such as cutting dust), and remove it as necessary.
		(h) Excessively fast cutting speed causes deflection of the saw blade and inaccurate cutting.	—	<ul style="list-style-type: none"> • Reduce the cutting speed (appropriately 10 seconds for a 60 mm square wood workpiece).
		(i) Excessive cutting force (pressure) is required because of dull saw blade.	—	<ul style="list-style-type: none"> • Sharpen the saw blade again.
		(j) The workpiece moves during cutting because it is bent or deformed.	—	<ul style="list-style-type: none"> • Correct bend, flex or other deformation by planing and try cutting.

Item	Phenomenon	Cause	Factory standard	Inspection, repair or adjustment
2	Rough cut surface Parallelism (A) = 0.02/43  Fig. 53	<p>(a) Large deflection of the saw blade (It causes rough cut surface.)</p> <p>(b) Each surface parallelism of washer (D) is inaccurate due to surface defects such as impact marks and scratches.</p> <p>(c) Inaccurate squareness between the turn table and the saw blade causes the saw blade to cut at an improper angle and make cutting marks.</p> <p>(d) Excessively fast cutting speed</p> <p>(e) Improper clamping of workpiece</p> <p>(f) The turn table is not fixed with the side handle.</p> <p>(g) Loose fitting of swiveling portion of the hinge and the gear case or sluggish movement.</p> <p>(h) Cutting operation becomes sluggish because workpiece is warped or bent.</p> <p>(i) Excessive vibration</p>	<p>0.38/220 (Dummy disc)</p> <p>Washer (D) 0.02/43 (Fig. 53)</p> <p>0.4/100 (Fig. 49)</p> <p>—</p> <p>—</p> <p>—</p> <p>—</p> <p>—</p> <p>—</p>	<p>• Same as the Item 1- (b) .</p> <p>• Repair impact marks or scratches on Washer (D) [87] or replace them as necessary.</p> <p>• Same as the Item 1- (a) .</p> <p>• Reduce cutting speed.</p> <p>• Properly clamp workpieces with the vise ass'y.</p> <p>• During cutting, fix the Turn Table [50] in position with the Side Handle [51].</p> <p>• Same as the Item 1- (g) .</p> <p>• Correct warp or bend with planer.</p> <p>• Recheck the items (a), (b) and (f).</p>

Item	Phenomenon	Cause	Factory standard	Inspection, repair or adjustment
3	Saw blade is locked.	(a) Excessively fast cutting speed	—	• Reduce cutting speed.
		(b) Core diameter of extension cord is too small.	—	• Use a thicker and shorter extension cord.
		(c) Excessive cutting force is applied due to dull saw blade.	—	• Resharpen the saw blade.
		(d) Incorrect saw blade is used.	—	• Use a suitable Hitachi-supplied saw blade. • If the saw blade has a large number of teeth, the cutting resistance will be increased. When using a saw blade with a large number of teeth, reduce the cutting speed.
		(e) The saw blade binds in workpiece during cutting because workpiece is warped or bent.	—	• Correct workpiece deformation with a planer.
4	Saw blade does not rotate when switch is triggered.	(a) The power cord is not connected to power supply.	—	• Check power supply voltage. • Connect the power cord to power supply.
		(b) The carbon brush wear exceeds allowable limit (5 mm).	—	• Check the Carbon Brushes [164] for wear. • Replace the Carbon Brushes [164].
		(c) Contact failure of the micro switch	—	• Check the Micro Switch [147] for conductivity. • Replace the Micro Switch [147].
5	Saw blade runs too slow (not within 4,500 – 5,500 min ⁻¹).	(a) Power supply voltage is lower than rated voltage.	—	• Check power supply voltage. • Check if extension cord is appropriate.

Item	Phenomenon	Cause	Factory standard	Inspection, repair or adjustment
6	Laser marker does not light. (Only Model C 10FCH)	(a) Improper wiring	—	• Check the wiring.
		(b) Switch (A) failure	—	• Check Switch (A) [145] for conductivity. • Replace Switch (A) [145].
		(c) Switching power supply failure	—	• Check the Switching Power Supply [142] for conductivity, input and output referring to "11-4. Wiring Diagram". • Replace the Switching Power Supply [142].
		(d) Laser module ass'y failure	—	• Replace the Laser Module Ass'y [11].
7	Laser light is poor or strong. (Only Model C 10FCH)	(a) Switching power supply failure	—	• Same as item 8-(c).
		(b) Laser module ass'y failure	—	• Same as item 8-(d).
8	Laser line does not match the ink line. (Only Model C 10FCH)	(a) link line is not right angle.	—	• Make a correct ink line again.
		(b) Laser marker accuracy is not adjusted properly.	0.2/100 (Figs. 54 and 55)	• Readjust the accuracy of the laser marker. (Refer to "11-9. Adjustment of Laser Marker Accuracy".)
		(c) Product accuracy is not good.		• Readjust the accuracy of the product and the laser marker.
	 <p>Fig. 54</p>  <p>Fig. 55</p>			
9	Laser line does not match the cutting position. (Only Model C 10FCH)	(a) Laser marker is horizontally deviated from the saw blade.	—	• Adjust the position of the laser line. (Refer to "8-1. Position Adjustment of Laser Line".)
		(b) Laser marker accuracy is not adjusted properly.	—	• Same as item 10-(b).

13. STANDARD REPAIR TIME (UNIT) SCHEDULES

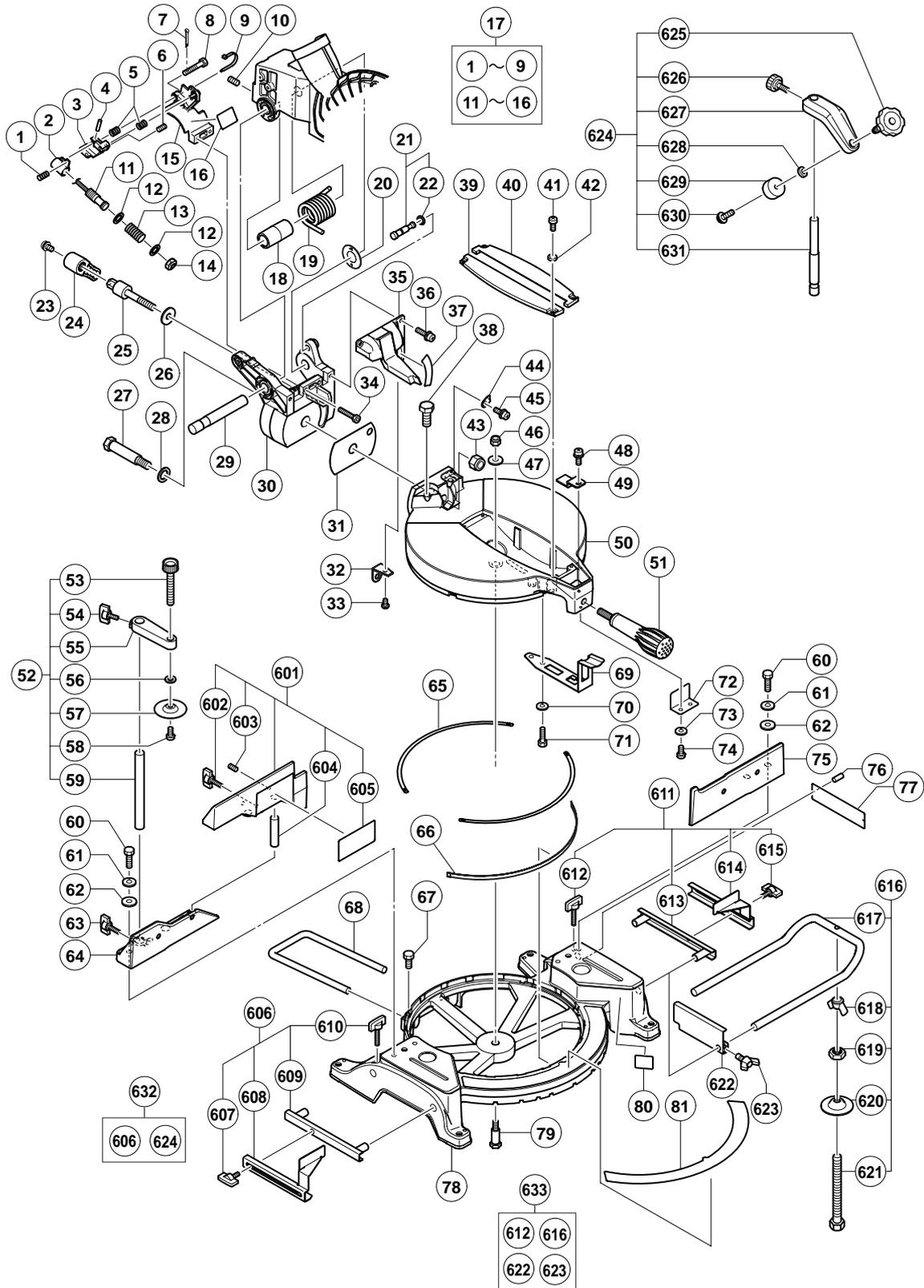
MODEL	Variable		10	20	30	40	50	60	70 min.
	Fixed								
C 10FCH		Work Flow							
		General Assembly							
		Switch Handle (A)	Switch Lever	Switching Power Supply Switch (A) Micro Switch Switch Handle (B) Cord Cord Armor					
			Armature Ass'y BB (6202VV) BB (6000VV)						
		Link Protective Cover (B) Protective Cover (A) Return Spring	Lock Lever	Spindle Ass'y Ball Bearing (6003VV) Bearing Holder Spindle Gear Set Needle Bearing	Housing Ass'y Stator Ass'y				Gear Case Ass'y
		Dust Guide Ass'y Clamp Lever Vise Ass'y	Fence (B) Fence (A) Shaft (C) Spring	Shaft (B)	Base Ass'y Liner (A) x 2 Liner (C)			Turn Table Hinge	
	Gear Case Cover Laser Holder Ass'y								

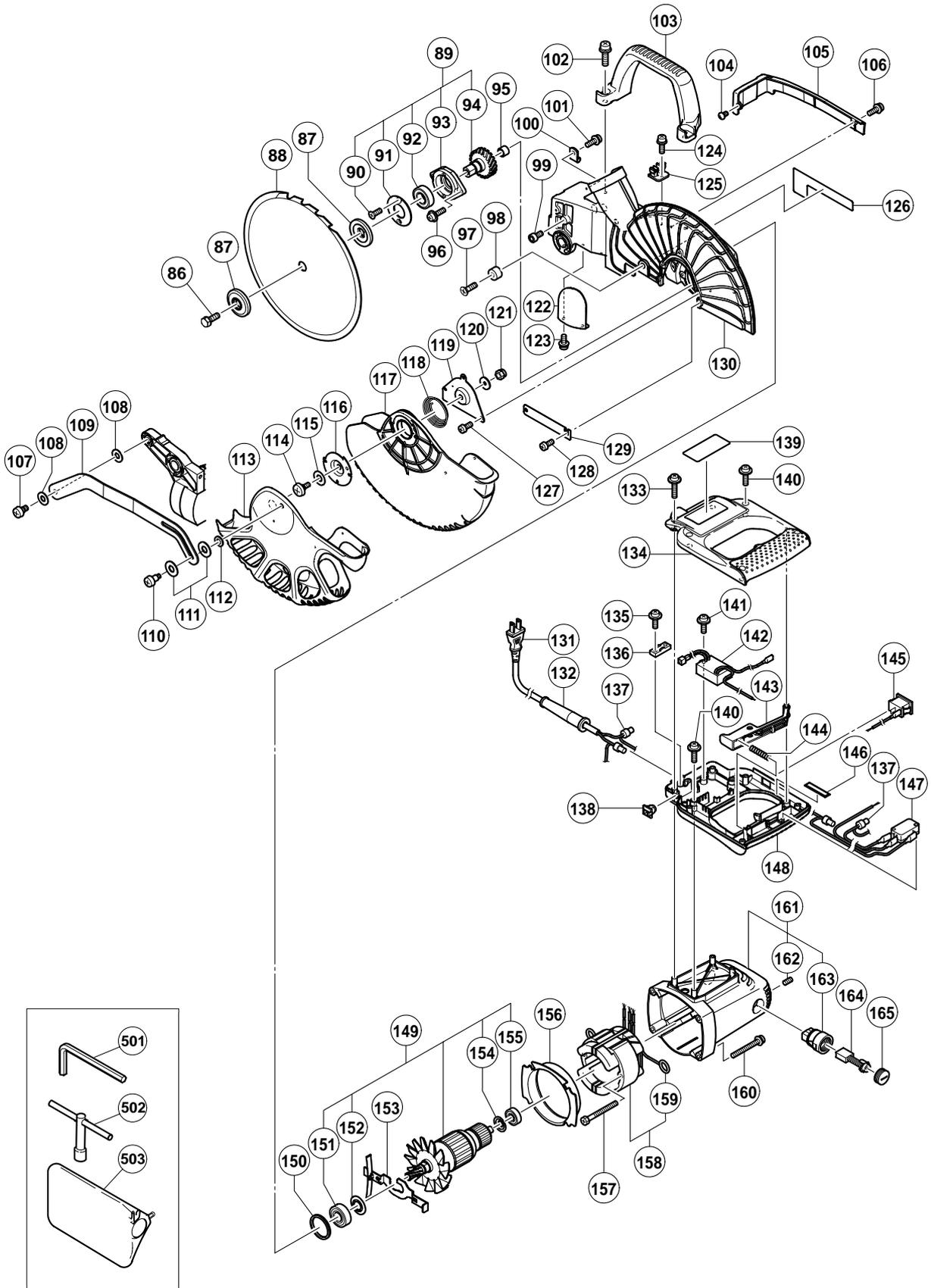
MODEL	Variable		10	20	30	40	50	60	70 min.
	Fixed								
C 10FCE		Work Flow							
		General Assembly							
		Switch Handle (A)	Switch Lever	Micro Switch Switch Handle (B) Cord Cord Armor					
			Armature Ass'y Ball Bearing (6202VV) Ball Bearing (6000VV)						
		Link Protective Cover (B) Protective Cover (A) Return Spring	Lock Lever	Spindle Ass'y Ball Bearing (6003VV) Bearing Holder Spindle Gear Set Needle Bearing	Housing Ass'y Stator Ass'y				Gear Case Ass'y
		Dust Guide Ass'y Clamp Lever Vise Ass'y	Fence (B) Fence (A) Shaft (C) Spring	Shaft (B)	Base Ass'y Liner (A) x 2 Liner (C)			Turn Table Hinge	
	Gear Case Cover								

ELECTRIC TOOL PARTS LIST

COMPOUND SAW
Model C 10FCH

2004 • 4 • 20
(E1)





PARTS

C 10FCH

ITEM NO.	CODE NO.	DESCRIPTION	NO. USED	REMARKS
1	323-141	SPRING (B)	1	
2	323-137	LASER HOLDER (A)	1	
3	323-138	LASER HOLDER (B)	1	
4	949-900	ROLL PIN D3X14 (10 PCS.)	1	
5	323-142	SPRING (C)	2	
6	962-782	HEX. SOCKET SET SCREW M5X6	1	
7	949-531	SPLIT PIN D2X12 (10 PCS.)	1	
8	323-144	SPECIAL BOLT M5	1	
9	975-144	CABLE TIE	3	
10	307-956	SEAL LOCK HEX. SOCKET SET SCREW M6X10	1	
11	323-135	LASER MODULE	1	
12	323-143	WASHER	2	
13	323-140	SPRING (A)	1	
14	323-136	LASER COVER	1	
15	323-139	LASER BASE ASS'Y	1	INCLUD. 16
16		CAUTION LABEL (A)	1	
17	322-927	LASER HOLDER ASS'Y	1	INCLUD. 1-9, 11-15
18	322-889	SLEEVE	1	
19	322-890	SPRING	1	
20	322-965	LINER (D)	1	
21	302-518	STOPPER PIN ASS'Y	1	INCLUD. 22
22	984-528	O-RING (P-6)	1	
23	997-314	MACHINE SCREW (W/WASHERS) M6X10	1	
24	322-935	CLAMP LEVER	1	
25	322-936	BOLT (LEFT HAND) M10	1	
26	318-934	SPECIAL WASHER	1	
27	322-933	SHAFT (D)	1	
28	322-934	WASHER M16	1	
29	322-888	SHAFT (C)	1	
30	322-932	HINGE	1	
31	322-937	LINER (B)	1	
32	322-963	DUST GUIDE HOLDER	1	
33	949-215	MACHINE SCREW M4X8 (10 PCS.)	1	
34	949-652	HEX. SOCKET HD. BOLT M6X25 (10 PCS.)	2	
35	322-891	DUST GUIDE ASS'Y	1	INCLUD. 32, 33, 37
36	990-541	MACHINE SCREW (W/WASHERS) M5X16	2	
37	322-892	SCALE (B)	1	
38	303-409	NYLOCK BOLT M8X25	2	
39	322-930	TABLE INSERT (B)	1	
40	322-929	TABLE INSERT (A)	1	
41	949-217	MACHINE SCREW M4X12 (10 PCS.)	4	
42	949-429	BOLT WASHER M4 (10 PCS.)	4	
43	680-418	NYLON NUT M12	1	
44	322-893	INDICATOR (B)	1	
45	304-043	MACHINE SCREW (W/WASHERS) M4X10 (BLACK)	1	
46	975-348	NYLON NUT M8	1	
47	318-929	WASHER (F)	1	
48	304-043	MACHINE SCREW (W/WASHERS) M4X10 (BLACK)	1	
49	322-904	INDICATOR (A)	1	
50	322-897	TURN TABLE	1	
51	322-898	SIDE HANDLE	1	

PARTS

C 10FCH

ITEM NO.	CODE NO.	DESCRIPTION	NO. USED	REMARKS
52	322-952	WISE ASS'Y	1	INCLUD.53-59
53	302-522	KNOB BOLT M10X66	1	
54	301-806	WING BOLT M6X15	1	
55		SCREW HOLDER	1	
56	949-432	BOLT WASHER M6 (10 PCS.)	1	
57	302-532	WISE PLATE	1	
58	949-216	MACHINE SCREW M4X10 (10 PCS.)	1	
59	322-954	WISE SHAFT	1	
60	949-678	BOLT M8X35 (10 PCS.)	4	
61	949-457	SPRING WASHER M8 (10 PCS.)	4	
62	949-433	BOLT WASHER M8 (10 PCS.)	4	
63	301-806	WING BOLT M6X15	1	
64	322-906	FENCE (B)	1	
65	322-901	LINER (A)	2	
66	322-964	LINER (C)	1	
67	949-610	BOLT M6X10 (10 PCS.)	1	
68	322-910	HOLDER	1	
69	322-903	SPRING PLATE	1	
70	949-457	SPRING WASHER M8 (10 PCS.)	2	
71	949-655	HEX. SOCKET HD. BOLT M8X16 (10 PCS.)	2	
72	322-899	SPACER	1	
73	949-453	SPRING WASHER M4 (10 PCS.)	2	
74	949-215	MACHINE SCREW M4X8 (10 PCS.)	2	
75	322-905	FENCE (A)	1	
76	949-510	RIVET D2.5X4.8 (10 PCS.)	3	
77	322-896	WARNING LABEL (A)	1	
78	322-894	BASE ASS'Y	1	INCLUD. 76, 77, 80, 81
79	322-902	SHAFT (B)	1	
80		CAUTION LABEL (C)	1	
81	322-895	SCALE (A)	1	
86	998-335	BOLT (LEFT HAND) W/WASHER M7X17.5	1	
87	308-789	WASHER (D)	2	
88	318-963	TCT SAW BLADE 255MM-D15.88 HOLE-NT24	1	
89	323-133	SPINDLE ASS'Y	1	INCLUD. 90-94
90	990-430	SEAL LOCK FLAT HD. SCREW M4X10	2	
91	322-919	BEARING COVER	1	
92	600-3VV	BALL BEARING 6003VVCMP2L	1	
93	322-918	BEARING HOLDER	1	
94	322-917	SPINDLE AND GEAR SET	1	
95	982-027	NEEDLE BEARING (HK1010)	1	
96	987-512	MACHINE SCREW (W/SP. WASHER) M5X16	2	
97	949-340	FLAT HD. SCREW M6X16 (10 PCS.)	1	
98	961-729	CUSHION	1	
99	949-819	HEX. SOCKET HD. BOLT M5X10 (10 PCS.)	1	
100	980-523	NYLON CLIP	1	
101	935-196	MACHINE SCREW (W/WASHERS) M4X12 (BLACK)	1	
102	951-893	MACHINE SCREW (W/WASHERS) M6X20	2	
103	322-924	HANDLE	1	
104	949-215	MACHINE SCREW M4X8 (10 PCS.)	1	
105	322-931	GEAR CASE COVER	1	
106	993-539	MACHINE SCREW (W/WASHERS) M4X16	1	

PARTS

C 10FCH

ITEM NO.	CODE NO.	DESCRIPTION	NO. USED	REMARKS
107	322-950	SPECIAL SCREW M6	1	
108	322-948	WASHER M7	2	
109	322-949	LINK	1	
110	322-947	SPECIAL SCREW (C) M5	1	
111	322-938	WASHER M10	2	
112	949-454	SPRING WASHER M5 (10 PCS.)	1	
113	322-940	PROTECTIVE COVER (B)	1	
114	322-943	SPECIAL SCREW (B) M5	1	
115	322-944	WASHER M8	1	
116	322-942	COVER PLATE (B)	1	
117	322-939	PROTECTIVE COVER (A)	1	
118	322-946	RETURN SPRING	1	
119	322-941	COVER PLATE (A)	1	
120	322-945	WASHER M5	1	
121	877-371	NYLON NUT M5	1	
122	322-926	LASER COVER (A)	1	
123	935-196	MACHINE SCREW (W/WASHERS) M4X12 (BLACK)	1	
124	935-196	MACHINE SCREW (W/WASHERS) M4X12 (BLACK)	1	
125	322-920	HOOK	1	
126		CAUTION LABEL (B)	1	
127	949-215	MACHINE SCREW M4X8 (10 PCS.)	3	
128	949-215	MACHINE SCREW M4X8 (10 PCS.)	2	
129	322-951	SPINDLE COVER	1	
130	322-928	GEAR CASE ASS'Y	1	INCLUD. 95, 126
131	500-453Z	CORD	1	
132	940-778	CORD ARMOR D10.7	1	
133	307-028	TAPPING SCREW (W/FLANGE) D4X25 (BLACK)	2	
134	322-921	SWITCH HANDLE (A)	1	
135	984-750	TAPPING SCREW (W/FLANGE) D4X16	2	
136	937-631	CORD CLIP	1	
137	959-141	CONNECTOR 50092 (10 PCS.)	4	
138	319-349	CORD BUSH	1	
139		NAME PLATE	1	
140	301-653	TAPPING SCREW (W/FLANGE) D4X20 (BLACK)	6	
141	984-750	TAPPING SCREW (W/FLANGE) D4X16	1	
142	322-911	SWITCHING POWER SUPPLY	1	
143	322-923	SWITCH LEVER	1	
144	322-925	SPRING (D)	1	
145	322-912	SWITCH (A) (W/COVER)	1	
146		MONITORING LABEL	1	
147	322-913	MICRO SWITCH	1	
148	322-922	SWITCH HANDLE (B)	1	
149	360-656U	ARMATURE ASS'Y 120V	1	INCLUD. 151, 152, 154, 155
150	303-792	RUBBER RING	1	
151	620-2VV	BALL BEARING 6202VVCMP2L	1	
152	980-700	DUST WASHER (B)	1	
153	322-916	LOCK LEVER	1	
154	302-428	WASHER (A)	1	
155	600-0VV	BALL BEARING 6000VVCMP2L	1	
156	322-915	FAN GUIDE	1	
157	953-121	HEX. HD. TAPPING SCREW D5X50	2	

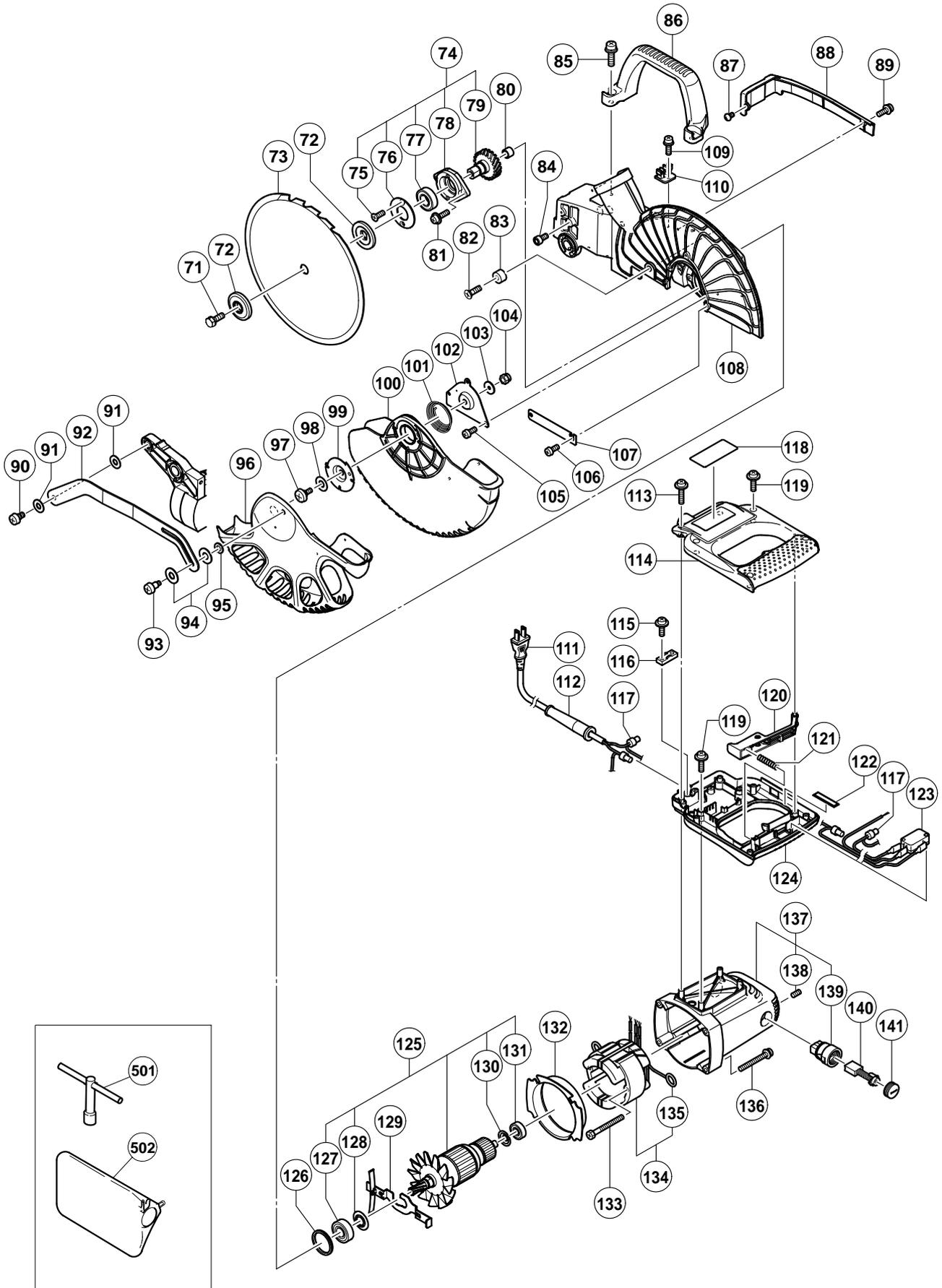
STANDARD ACCESSORIES

C 10FCH

ITEM NO.	CODE NO.	DESCRIPTION	NO. USED	REMARKS
501	944-458	HEX. BAR WRENCH 4MM	1	
502	940-543	BOX WRENCH 10MM	1	
503	322-955	DUST BAG	1	

OPTIONAL ACCESSORIES

ITEM NO.	CODE NO.	DESCRIPTION	NO. USED	REMARKS
601	322-711	SUB FENCE ASS'Y	1	INCLUD. 602-605
602	322-959	WING BOLT M6X22	1	
603	987-860	SEAL LOCK HEX. SOCKET SET SCREW M6X6	2	
604	322-958	PIN	2	
605		WARNING LABEL (C)	1	
606	322-713	CROWN MOLDING STOPPER (L) ASS'Y	1	INCLUD. 607-610
607	301-806	WING BOLT M6X15	1	
608		CROWN MOLDING STOPPER (L)	1	
609	321-390	CROWN MOLDING STOPPER HOLDER	1	
610	316-030	WING BOLT M6X52	1	
611	322-714	CROWN MOLDING STOPPER (R) ASS'Y	1	INCLUD. 612-615
612	316-030	WING BOLT M6X52	2	
613	321-390	CROWN MOLDING STOPPER HOLDER	1	
614		CROWN MOLDING STOPPER (R)	1	
615	301-806	WING BOLT M6X15	1	
616	322-956	HOLDER ASS'Y	1	INCLUD. 617-621
617	321-549	HOLDER	1	
618	949-313	WING NUT M6 (10 PCS.)	1	
619	949-556	NUT M6 (10 PCS.)	1	
620	322-047	WISE PLATE	1	
621	323-134	HIGH TENSION BOLT M6X80	1	
622	974-561	STOPPER	1	
623	949-404	WING BOLT M6X20 (10 PCS.)	1	
624	322-957	WISE (B) ASS'Y	1	INCLUD. 625-631
625	321-551	KNOB BOLT M10X54	1	
626	998-836	KNOB BOLT M6X11	1	
627		SCREW HOLDER (B)	1	
628	306-985	WASHER (H)	1	
629	964-851	BASE RUBBER	1	
630	304-043	MACHINE SCREW (W/WASHERS) M4X10 (BLACK)	1	
631	318-967	WISE SHAFT	1	
632	322-712	CROWN MOLDING VISE ASS'Y	1	INCLUD. 606, 624
633	322-710	GUIDE ASS'Y	1	INCLUD. 612, 616, 622, 623
634	976-472	TCT SAW BLADE CROSS-CUT 255MM-D15.9 HOLE	1	
635	319-658	TCT SAW BLADE 255MM-D15.88 HOLE-NT100	1	



PARTS

C 10FCE

ITEM NO.	CODE NO.	DESCRIPTION	NO. USED	REMARKS
1	307-956	SEAL LOCK HEX. SOCKET SET SCREW M6X10	1	
2	322-889	SLEEVE	1	
3	322-890	SPRING	1	
4	322-965	LINER (D)	1	
5	302-518	STOPPER PIN ASS'Y	1	INCLUD. 6
6	984-528	O-RING (P-6)	1	
7	997-314	MACHINE SCREW (W/WASHERS) M6X10	1	
8	322-935	CLAMP LEVER	1	
9	322-936	BOLT (LEFT HAND) M10	1	
10	318-934	SPECIAL WASHER	1	
11	322-933	SHAFT (D)	1	
12	322-934	WASHER M16	1	
13	322-888	SHAFT (C)	1	
14	322-932	HINGE	1	
15	322-937	LINER (B)	1	
16	322-963	DUST GUIDE HOLDER	1	
17	949-215	MACHINE SCREW M4X8 (10 PCS.)	1	
18	322-891	DUST GUIDE ASS'Y	1	INCLUD. 16, 17, 20
19	990-541	MACHINE SCREW (W/WASHERS) M5X16	2	
20	322-892	SCALE (B)	1	
21	303-409	NYLOCK BOLT M8X25	2	
22	322-930	TABLE INSERT (B)	1	
23	322-929	TABLE INSERT (A)	1	
24	949-217	MACHINE SCREW M4X12 (10 PCS.)	4	
25	949-429	BOLT WASHER M4 (10 PCS.)	4	
26	680-418	NYLON NUT M12	1	
27	322-893	INDICATOR (B)	1	
28	304-043	MACHINE SCREW (W/WASHERS) M4X10 (BLACK)	1	
29	975-348	NYLON NUT M8	1	
30	318-929	WASHER (F)	1	
31	304-043	MACHINE SCREW (W/WASHERS) M4X10 (BLACK)	1	
32	322-904	INDICATOR (A)	1	
33	322-897	TURN TABLE	1	
34	322-898	SIDE HANDLE	1	
35	322-952	WISE ASS'Y	1	INCLUD. 36-42
36	302-522	KNOB BOLT M10X66	1	
37	301-806	WING BOLT M6X15	1	
38		SCREW HOLDER	1	
39	949-432	BOLT WASHER M6 (10 PCS.)	1	
40	302-532	WISE PLATE	1	
41	949-216	MACHINE SCREW M4X10 (10 PCS.)	1	
42	322-954	WISE SHAFT	1	
43	307-221	BOLT (W/WASHERS) M8X35 (BLACK)	4	
44	949-457	SPRING WASHER M8 (10 PCS.)	4	
45	949-433	BOLT WASHER M8 (10 PCS.)	4	
46	301-806	WING BOLT M6X15	1	
47	322-906	FENCE (B)	1	
48	322-901	LINER (A)	2	
49	322-964	LINER (C)	1	
50	949-610	BOLT M6X10 (10 PCS.)	1	
51	322-910	HOLDER	1	

PARTS

C 10FCE

ITEM NO.	CODE NO.	DESCRIPTION	NO. USED	REMARKS
52	322-903	SPRING PLATE	1	
53	949-457	SPRING WASHER M8 (10 PCS.)	2	
54	949-655	HEX. SOCKET HD. BOLT M8X16 (10 PCS.)	2	
55	322-899	SPACER	1	
56	949-453	SPRING WASHER M4 (10 PCS.)	2	
57	949-215	MACHINE SCREW M4X8 (10 PCS.)	2	
58	322-905	FENCE (A)	1	
59	949-510	RIVET D2.5X4.8 (10 PCS.)	3	
60	322-896	WARNING LABEL (A)	1	
61	322-967	BASE ASS'Y	1	INCLUD. 59, 60, 63
62	322-902	SHAFT (B)	1	
63	322-895	SCALE (A)	1	
71	998-335	BOLT (LEFT HAND) W/WASHER M7X17.5	1	
72	308-789	WASHER (D)	2	
73	318-963	TCT SAW BLADE 255MM-D15.88 HOLE-NT24	1	
74	323-133	SPINDLE ASS'Y	1	INCLUD. 75-79
75	990-430	SEAL LOCK FLAT HD. SCREW M4X10	2	
76	322-919	BEARING COVER	1	
77	600-3VV	BALL BEARING 6003VVCMP2L	1	
78	322-918	BEARING HOLDER	1	
79	322-917	SPINDLE AND GEAR SET	1	
80	982-027	NEEDLE BEARING (HK1010)	1	
81	987-512	MACHINE SCREW (W/SP. WASHER) M5X16	2	
82	949-340	FLAT HD. SCREW M6X16 (10 PCS.)	1	
83	961-729	CUSHION	1	
84	949-819	HEX. SOCKET HD. BOLT M5X10 (10 PCS.)	1	
85	951-893	MACHINE SCREW (W/WASHERS) M6X20	2	
86	322-924	HANDLE	1	
87	949-215	MACHINE SCREW M4X8 (10 PCS.)	1	
88	322-931	GEAR CASE COVER	1	
89	993-539	MACHINE SCREW (W/WASHERS) M4X16	1	
90	322-950	SPECIAL SCREW M6	1	
91	322-948	WASHER M7	2	
92	322-949	LINK	1	
93	322-947	SPECIAL SCREW (C) M5	1	
94	322-938	WASHER M10	2	
95	949-454	SPRING WASHER M5 (10 PCS.)	1	
96	322-968	PROTECTIVE COVER (B)	1	
97	322-943	SPECIAL SCREW (B) M5	1	
98	322-944	WASHER M8	1	
99	322-942	COVER PLATE (B)	1	
100	322-939	PROTECTIVE COVER (A)	1	
101	322-946	RETURN SPRING	1	
102	322-941	COVER PLATE (A)	1	
103	322-945	WASHER M5	1	
104	877-371	NYLON NUT M5	1	
105	949-215	MACHINE SCREW M4X8 (10 PCS.)	3	
106	949-215	MACHINE SCREW M4X8 (10 PCS.)	2	
107	322-951	SPINDLE COVER	1	
108	323-218	GEAR CASE ASS'Y	1	INCLUD. 80
109	935-196	MACHINE SCREW (W/WASHERS) M4X12 (BLACK)	1	

STANDARD ACCESSORIES

C 10FCE

ITEM NO.	CODE NO.	DESCRIPTION	NO. USED	REMARKS
501	940-543	BOX WRENCH 10MM	1	
502	998-845	DUST BAG	1	

OPTIONAL ACCESSORIES

ITEM NO.	CODE NO.	DESCRIPTION	NO. USED	REMARKS
601	322-711	SUB FENCE ASS'Y	1	INCLUD. 602-605
602	322-959	WING BOLT M6X22	1	
603	987-860	SEAL LOCK HEX. SOCKET SET SCREW M6X6	2	
604	322-958	PIN	2	
605		WARNING LABEL (C)	1	
606	322-713	CROWN MOLDING STOPPER (L) ASS'Y	1	INCLUD. 607-610
607	301-806	WING BOLT M6X15	1	
608		CROWN MOLDING STOPPER (L)	1	
609	321-390	CROWN MOLDING STOPPER HOLDER	1	
610	316-030	WING BOLT M6X52	1	
611	322-714	CROWN MOLDING STOPPER (R) ASS'Y	1	INCLUD. 612-615
612	316-030	WING BOLT M6X52	2	
613	321-390	CROWN MOLDING STOPPER HOLDER	1	
614		CROWN MOLDING STOPPER (R)	1	
615	301-806	WING BOLT M6X15	1	
616	322-956	HOLDER ASS'Y	1	INCLUD. 617-621
617	321-549	HOLDER	1	
618	949-313	WING NUT M6 (10 PCS.)	1	
619	949-556	NUT M6 (10 PCS.)	1	
620	322-047	WISE PLATE	1	
621	323-134	HIGH TENSION BOLT M6X80	1	
622	974-561	STOPPER	1	
623	949-404	WING BOLT M6X20 (10 PCS.)	1	
624	322-957	WISE (B) ASS'Y	1	INCLUD. 625-631
625	321-551	KNOB BOLT M10X54	1	
626	998-836	KNOB BOLT M6X11	1	
627		SCREW HOLDER (B)	1	
628	306-985	WASHER (H)	1	
629	964-851	BASE RUBBER	1	
630	304-043	MACHINE SCREW (W/WASHERS) M4X10 (BLACK)	1	
631	318-967	WISE SHAFT	1	
632	322-712	CROWN MOLDING WISE ASS'Y	1	INCLUD. 606, 624
633	322-710	GUIDE ASS'Y	1	INCLUD. 612, 616, 622, 623
634	976-472	TCT SAW BLADE CROSS-CUT 255MM-D15.9 HOLE	1	
635	319-658	TCT SAW BLADE 255MM-D15.88 HOLE-NT100	1	

