

# T ECHNICAL INFORMATION



New Tool

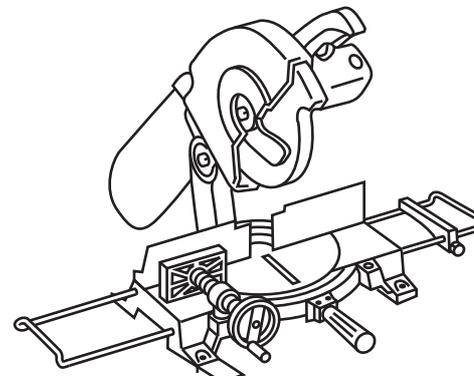
**Models No.** ▶ 2400B

**Description** ▶ 255mm(10") miter saw

## CONCEPTION AND MAIN APPLICATIONS

Developing for foreign safety regulation.

Double insulated and safer mechanical system.



### ▶ Specifications

Voltage	Current	Frequency	Continuous rating input
Single-phase 100V	12 A(14A for export)	50-60 Hz	1130 W (1380 W for export)

No load speed		3500 RPM/min. (4100 RPM for export)
Max cutting capacities	at 90°	80 x 100 mm
	at 45°	80 x 72 mm
Net weight		25 kg
Power supply cord		5 m

### ▶ Standard equipment

Box wrench 13

Dust bag

### ▶ Optional accessories

Various saw cutters

For both vertical/horizontal(260-1), For horizontal sawing(260-2), Miter saw(255-4) for wood, Miter saw(255-4A) for aluminum, Combination saw(260-7), Chip saw(255-11, mainly for aluminum), Chip saw(255-11A, mainly for wood)

Holder tool assembly(2.1 m in overall length) for lengthy material

The standard equipment for the tools shown may differ from country to country

## ► Repair

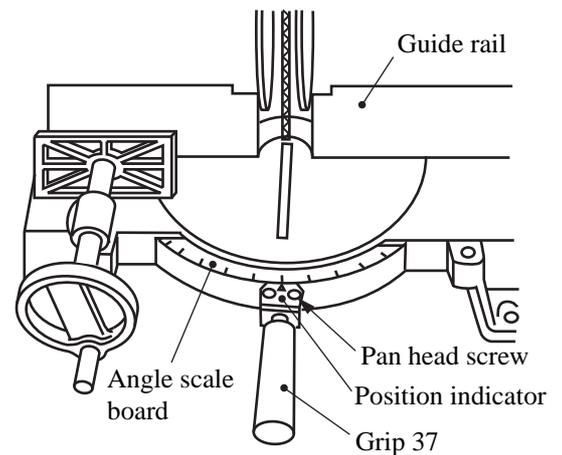
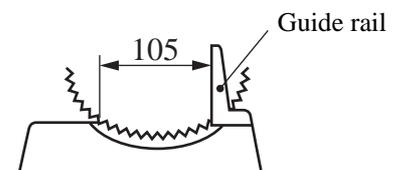
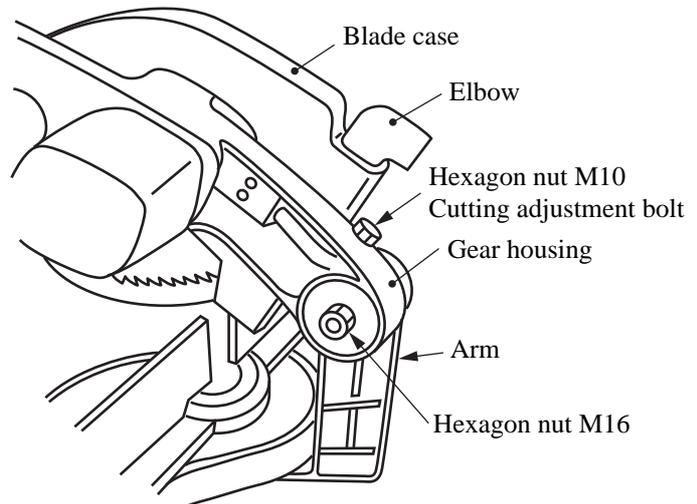
- (1) The cutting depth for the saw blade has been adjusted in shipping in a way that the saw diameter is 255 mm. Accordingly if the saw blade other than the one with this diameter is used, loosen the hexagon nut M10 at top of gear housing and turn the cutting adjustment bolt to set the distance from the point where the saw edge crosses with the base to the guide rail face at about 105 mm. After adjustment, use the hexagon nut again to firmly fix.
- (2) If the hexagon lock nut for mounting the arm and gear housing is insufficiently fastened, the following troubles may occur. Namely if insufficiently fastened, the cutting angle precision will be deteriorated, on the other hand, if fastened too tightly, the motor body cannot move up/down so smoothly. Therefore for the best fastening adjustment, set the position just before the motion becomes heavy while shifting the motor body up/down. Although the spring washer is not mounted on this hexagon lock nut M16, the special hexagon nut---which cannot be loosened by the normal vibration and turning load, instead of the normal one, is used. Accordingly do not use other types or do not over-fasten.
- (3) Adjust the cutting angle in the following ways.

(If extremely inconsistent)

Make fit the 0 point on the angle scale board to the arrow mark on the position indicator, fasten the grip 37 to fix, loosen the 4 pieces of hexagon bolt holding the guide rail, set the square or the set square on the material touching face to adjust at right angle, and then fasten the hexagon bolt finally.

(If slightly inconsistent)

Loosen the grip 37, set the square or the set square on the guide rail and saw blade to get the right angle. Since at this time the 0 point on the angle scale board should be



out-of-positioned from the arrow mark on the position indicator, loosen the pan head screw for mounting the position indicator to adjust precisely.

- (4) If used for long time while the cutting angle is frequently changed, sometimes the scale may be out-of-positioned slightly in the right direction when the grip 37 is fastened. It happens since the screw edge shape of the grip 37 has been deformed or worn out. In such a case use the file to make round so that it may become point-touching.
- (5) Since the electrical braking system is built in this machine, the special carbon brush(CB-24) is used. If the other carbon brush than specified is used, defective braking may occur. Also when there is not enough fitness(touching) just after replacing the carbon brush, braking may potentially become wrong. In this case turn under no load to get well fitness.
- (6) To replace the armature, be sure to remove the helical gear 44 from the gear housing before replacing. The outer ring in the ball bearing at front of armature is movable and O ring is housed in the outer ring to reduce the starting noise. However, since the ball bearing will run than necessity by the thrust load in starting and braking, it can be fixed with the retainer, as a result the shaft will become condition where it is being pressed in as normal. Accordingly if the armature has been set while the helical gear is being housed, gears can be scarcely inserted each other at well engaging position, and if forcibly inserted, the gear may be damaged.