

# T ECHNICAL INFORMATION



New Tool

**Models No.** ▶ 4301BV

**Description** ▶ MAKITA JIG SAW

## CONCEPTION AND MAIN APPLICATIONS

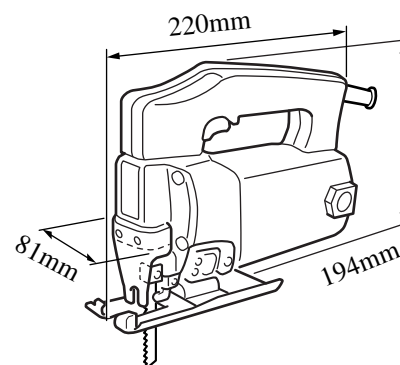
Based on the current models of #4300A, #4300V, #4300BA and #4300BV, the orbital function is added to play the excellent cutting speed. Other than our blade which can be used for this equipment, also the orbital exclusive blade of Bosch type can be installed.

#4301~Single : Single-speed switch

#4301V~Single : Non step variable speed switch

#4301B~: Single speed switch(Not scheduled to produce in domestic so far.)

#4301BV~: Non step variable speed switch



## ► Specifications

Voltage (V)	Current (A)	Cycle (Hz)	Continuous Rating		Max. Output(W)
			Input(W)	Output(W)	
100	4	50/60	390	140	400

Single-phase AC Universal motor

No load speed(Stroke) : 3,100 rpm/min. (4301, 4301B)

0-3,100 rpm/min.(4301V, 4301BV)

Wood : Ø50 mm

Soft steel plate :Ø6 mm

Bevel cutting : Ø45 in left/right

## ► Standard equipment

Circular guide set

Parallel guide set

Hexagon spanner 3

Jig saw blade(Each two pieces of 1, 3 and 10)

## ► Optional accessories

Jig saw blade : 1, 2, 3, 4, 5, 8, 9, 10

## ► Features and benefits

1. The orbital function enables to cut quickly the soft steel plate, and depending on the material the orbital can be adjusted in 3 steps to perform the effective workability.
2. The powerful cutting force allows to cut the wood with 50 mm and the soft steel plate with 6 mm in their maximum thickness.
3. The straight line cutting, curve cutting, bevel cutting and punching can be done freely.
4. The cutting chips can be discharged by the powerful air force caused by motor turning, thereby the section to be cut can be checked clearly.
5. The transparent protector is mounted to protect from cutting chips.
6. The marking line in starting cutting can be easily adjusted through the non step variable speed switch. (#4301V, #4301BV)
7. You can select any speed by adjusting the stroke adjusting screw. (#4301V, #4301BV)
8. The double insulation structure may not cause an electrical shock.(#4301B, #4301BV)

## ► Capacity

Compared with cutting without using the orbital, the efficiency in using the orbital is improved as follows :

Material	Orbital setting position	Cutting speed compared with that without using the orbital
Lauan with 40 mm in thickness	III	Speed is increased by 2.3 time
Soft steel plate(SPCC) with 32 mm in thickness	II	Speed is increased by 2.4 time
Aluminum with 4 mm in thickness	II	Speed is increased by 2.5 time

## ► Repair

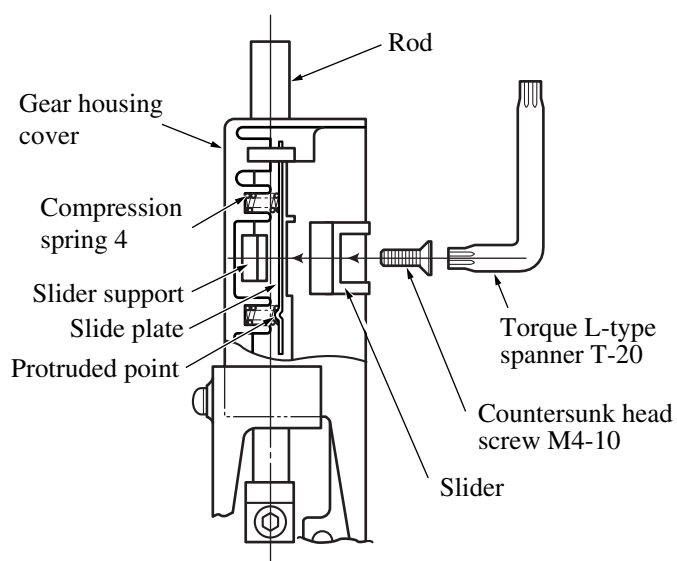
### 1) Disassembling/assembling of rod1)

Disassembling/assembling of rod

To disassemble the rod and the slider, remove the two pieces of pan head screw M4 x 10.

To remove the pan head screw, use the Torque L-type spanner T-20 (also used for #4300A). To assemble, direct the protruded point of the slider plate toward the compression spring 4 as shown on the right figure.

The adhesive is no need for fastening the pan head screw.



## 2) Order for disassembling the motor housing complete from the bod

1. Handle R/L
2. Gear housing cover complete
3. Lever 23(Remove the stop ring(shaft) E-4.)

Note) Use care as the steel ball 4 and the compression spring can be simultaneously disassembled.

4. Remove the 4 pieces of pan head screws {M4 x 20(4301, 4301V), M4 x 25(4301B, 4301BV)}.

Note) Its no need to disassemble the crank complete, the balance plate and etcy

