

TECHNICAL INFORMATION



PRODUCT

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Models No. ▶ 4334D

Description ▶ 18 V Cordless Jig Saw

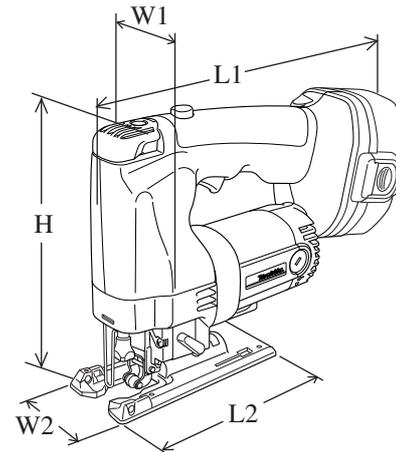
CONCEPTION AND MAIN APPLICATIONS

This model is the highest class model of 4330D series.

Its brief features and benefits are as follows.

- * No tools are required for changing jig saw blades and adjusting bevel angle
- * Your choice of straight and 3 different orbital cutting actions
- * Dial for speed pre-selection

The variations of this model are listed below.



Model No.	Batteries			Charger
	Type	Cell	Quantity	
4334DWA	1822	Ni-Cd	1 pc.	DC1801
4334DWAE	1822	Ni-Cd	2 pcs.	DC1801
4334DWD	1834	Ni-MH	1 pc.	DC1801
4334DWDE	1834	Ni-MH	2 pcs.	DC1801

Dimensions : mm (")	
Width (W1)	96 (4)
Width (W2)	70 (2-3/4)
Height (H)	214 (8-3/4)
Length (L1)	281 (11)
Length (L2)	153 (6)

► Specification

Strokes per min.: (min -1= spm)	500 - 2,800	
Length of stroke : mm (")	26 (1)	
Max. cutting capacities	in wood: mm (")	135 (5-5/16)
	in mild steel: mm (")	10 (3/8)
	in aluminum: mm (")	20 (13/16)
Lock off switch	Yes	
Net weight :Kg (lbs)	3.4 (7.5)	

► Standard equipment

- * Jig saw blade set (including B-10 : 2 pcs. / BR-13 : 2 pcs. / B-22 : 2 pcs.) 1 set
- * Anti-splitting device 1 pc.
- * Plastic base plate 1 pc.
- * Protector 1 pc.
- * plastic carrying case 1 pc.

< Note > The standard equipment for the tool shown may differ from country to country.

► Optional accessories

- | | | |
|--|-------------------------|-------------------------------|
| * Jig saw blade B-22 (5 pcs. p. pack) | * Protector | * Battery 1833 (Ni-MH 2.2Ah) |
| * Jig saw blade BR-13 (5 pcs. p. pack) | * Plastic base plate | * Battery 1834 (Ni-MH 2.6Ah) |
| * Jig saw blade B-10 (5 pcs.. p.pack) | * Vacuum head | * Battery 1835 (Ni-MH 3.0 Ah) |
| * Guide rule set | * Hose | * Battery cover |
| * Circular guide set | * Anti-splitting device | |

► **Features and benefits**

Superior to competitors in working speed and working amount per one full charged battery

No tools are required for replacing jig saw blades

Durable and long life motor with externally accessible brushes

No tools are required for adjusting bevel angle

Pre-selection dial is superior to trigger switch in keeping the selected speed. The speed can be pre-selected from 500 - 2,800 spm.

Blade fix can be removed for cleaning, and it prevents the trouble in attaching or detaching jig saw blade.

Mode change lever for the choice of straight and 3 different orbital cutting actions

Transparent protector can be attached.

Both of the following jig saw blades can be attached.

Saw dust blow fixture for easy tracing cutting line

B type
M type

► **Comparison of products**

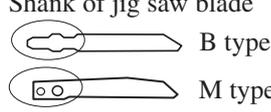
Numbers in chart below are relative values when setting competitor A 's capacity as 100.

Working with straight mode			
Work piece and its thickness	Working speed		Working amount with one fully charged battery
Veneer 13/32" (approx. 10mm)	MAKITA 4334D	95 5.3 sec.	MAKITA 4334D 85 2.0 Ah 110 2.6 Ah (50 cuts)
	Competitor Model A	100	Competitor Model A 100 2.0 Ah
Veneer 11/16" (approx. 17.5mm)	MAKITA 4334D	105 6.8 sec.	MAKITA 4334D 90 2.0 Ah 115 2.6 Ah (50 cuts)
	Competitor Model A	100	Competitor Model A 100 2.0 Ah
Oak 3/4" (approx. 19mm)	MAKITA 4334D	105 7.6 sec.	MAKITA 4334D 100 2.0 Ah 130 2.6 Ah (45 cuts)
	Competitor Model A	100	Competitor Model A 100 2.0 Ah
Working with full orbital mode			
Veneer 13/32" (approx. 10mm)	MAKITA 4334D	115 3.9 sec.	MAKITA 4334D 100 2.0 Ah 130 2.6 Ah (45 cuts)
	Competitor Model A	100	Competitor Model A 100 2.0 Ah
Veneer 11/16" (approx. 17.5mm)	MAKITA 4334D	130 4.5 sec.	MAKITA 4334D 95 2.0 Ah 120 2.6 Ah (60 cuts)
	Competitor Model A	100	Competitor Model A 100 2.0 Ah
Oak 3/4" (approx. 19mm)	MAKITA 4334D	135 5.1 sec.	MAKITA 4334D 95 2.0 Ah 125 2.6 Ah (43 cuts)
	Competitor Model A	100	Competitor Model A 100 2.0 Ah

* The figures in () are the whole working amount when 2.6Ah battery is equipped.

Model No.		MAKITA		Competitor A	MAKITA		
		4334D		Model A	4331D		4304T
Battery	Voltage (V)	18		18	12		AC tool
	Capacity (Ah)	2.0	2.6	2.0	2.0	2.6	—
	Energy (Wh)	36.0	46.8	36.0	24.0	31.2	—
	Cell	Ni-Cd	Ni-MH	Ni-Cd	Ni-Cd	Ni-MH	—
Charging time		60	80	60	60	80	—
Strokes per min.		500 - 2,800		0 - 2,000	500 - 2,800		500 - 3,000
Length of stroke : mm(")		26 (1)		26 (1)	26 (1)		26 (1)
Capacity : mm (")	Wood	135 (5-5/16)		65 (2-9/16)	135 (5-5/16)		135 (5-5/16)
	Mild steel	10 (3/8)		10 (3/8)	10 (3/8)		10 (3/8)
Orbital mode		Straight + 3 stage		Straight + 2 stage	Straight + 3 stage		Straight + 3 stage
Available shank of blade		both B and M type		B type	both B and M type		both B and M type
Replacing blade		No tools are required.		No tools are required.	Tools are required		No tools are required.
Adjusting bevel angle		No tools are required.		No tools are required.	Tools are required		No tools are required.
Attaching nozzle		No tools are required.		—	No tools are required.		No tools are required.
Speed control system		Pre-selection dial		Switch trigger	Pre-selection dial		Pre-selection dial
Net weight including battery : Kg (lbs)		3.4 (7.5)		3.3 (7.3)	2.5 (5.5)		2.4 (5.1)

Shank of jig saw blade



B type

M type

► Repair

< 1 > Assembling base section

Assemble base plate to gear housing as illustrated in Fig. 1.

Fasten hex nut flange M5 so that fastened lever 65 comes to the position illustrated in Fig. 1A.

And then, fix the flange portion of hex flange nut M5 with pan head screw M4x8.

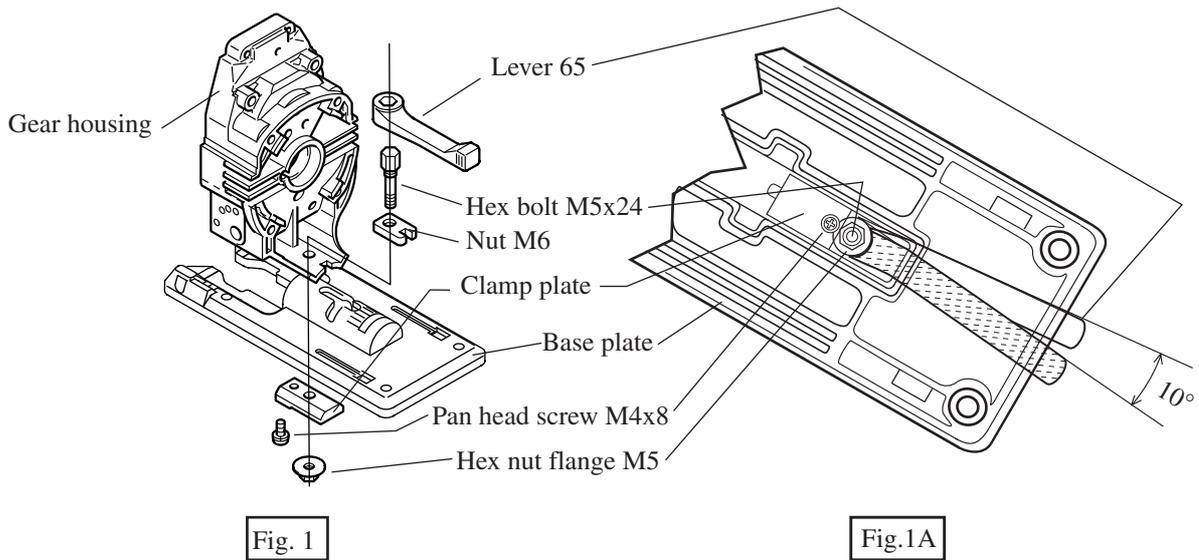


Fig. 1

Fig.1A

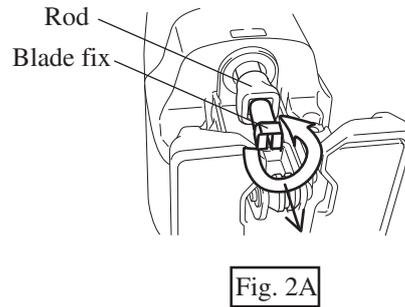
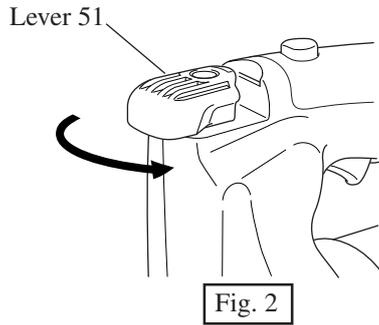
View from the bottom of base plate

Repair

< 2 > Assembling and disassembling blade fix

(1) Disassembling blade fix

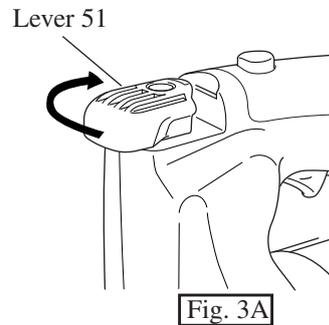
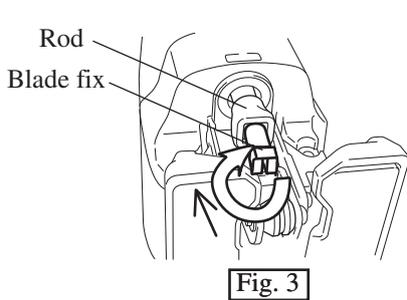
Turn lever 51 anti-clockwise until it stops as illustrated in Fig. 2. So blade fix protrudes from rod as illustrated in Fig. 2A. And then, turn the protruded blade fix anti-clockwise. So it can be removed from rod.



(2) Assembling blade fix

Make sure that lever 51 has been already rotated anti-clockwise fully.

Insert blade fix into rod while rotating it clockwise one quarter to one full turn so that the slit of blade fix will face forward as illustrated in Fig. 3.

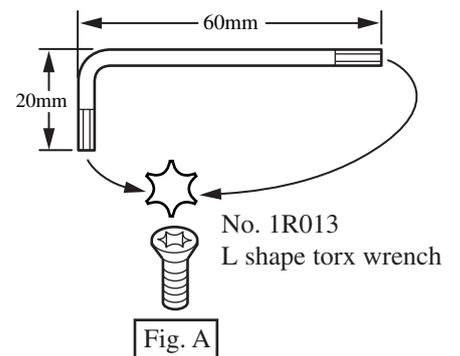
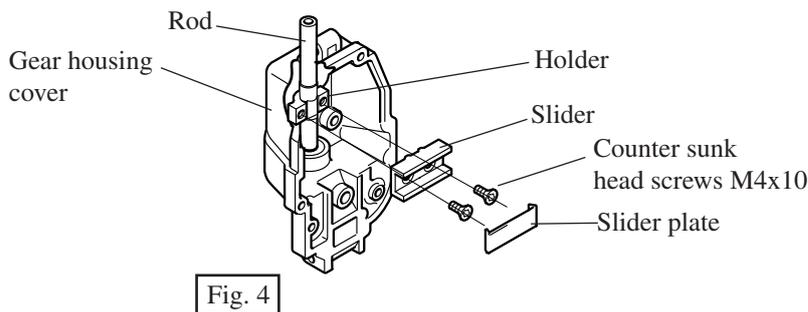


Grasp the blade fix with your fingers so that it will not turn, then, rotate lever 51 clockwise until it stops as illustrated in Fig. 3A. The blade fix will go into the rod.

< 3 > Assembling and disassembling gear housing cover section

(1) Remove slider plate from slider. And then, remove counter sunk head screws M4x10 from slider, with L shape torx wrench, as illustrated in Fig. 4.

< Note > The head of counter sunk head screw is shaped as illustrated in Fig. A. Therefore, No.1R013 "L shape torx wrench" is required for screwing and unscrewing counter sunk head screws M4x10.



- (2) Slider have to be assembled to the flat portion of rod as illustrated in Fig. 5. And fix slider by screwing counter sunk head screw M4x10 to holder. See Fig. 5A. The fastening torque for counter sunk head screw M4x10 is approx. 1.76 - 2.94 N.m.
And then, assemble slider plate to slider by pressing into it as illustrated in Fig. 5.

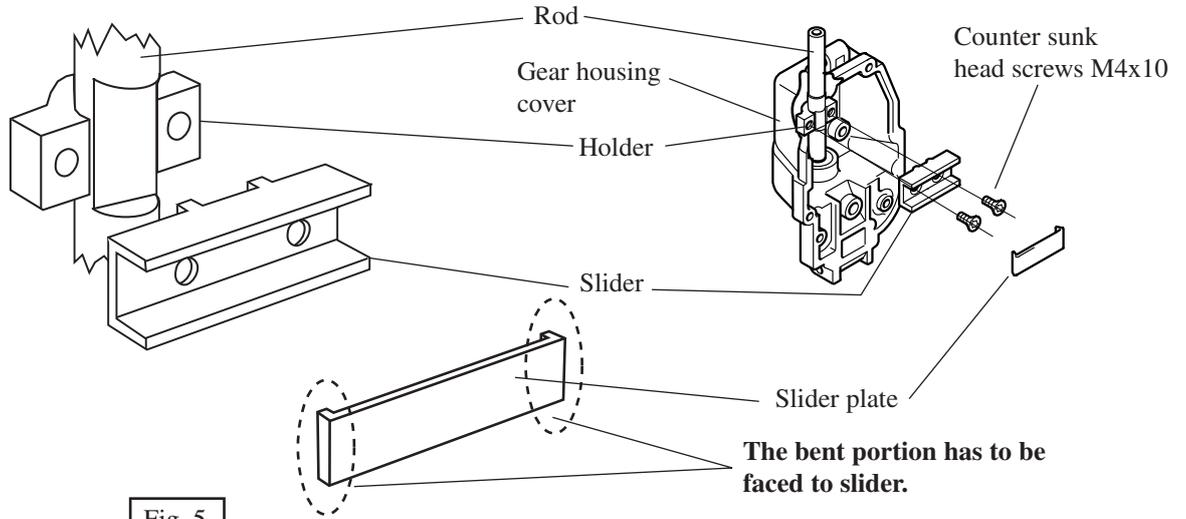


Fig. 5

Fig. 5A

< 3 > Assembling and disassembling gear housing section

- (1) Assemble gear shaft to gear housing with pan head screws M4x10 firmly, as illustrated in Fig. 6. Assemble crank to helical gear with hex socket head bolt M4x16 firmly as illustrated in Fig. 6A. And then, assemble retaining ring S-8 on gear shaft in order to fix the parts in Fig 6A to it. The fastening torque for pan hd. screw M4x10 and hex socket hd. bolt M4x16 is approx. 1.76 - 2.94N.m.

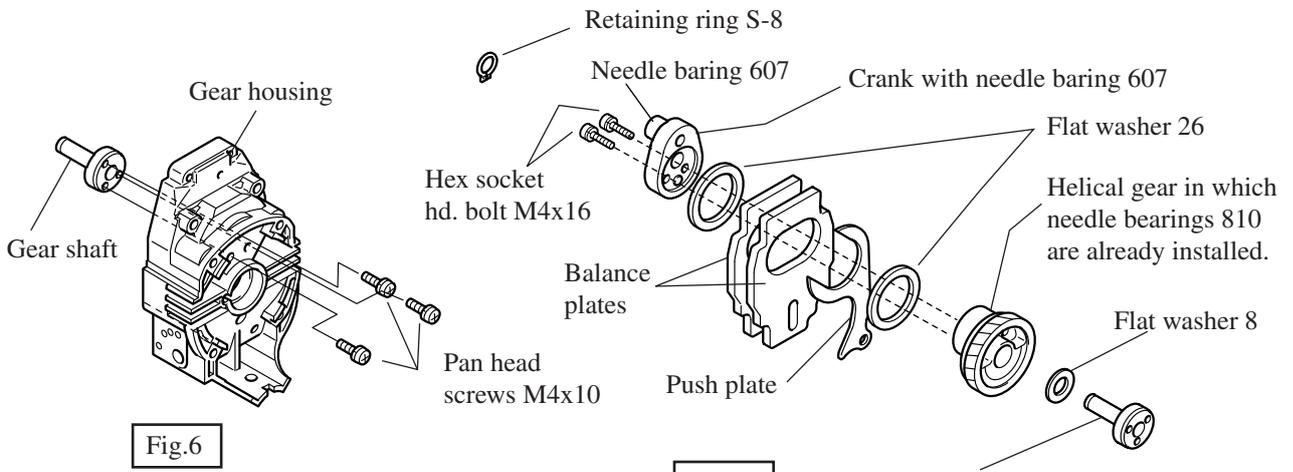


Fig.6

Fig. 6A

Gear shaft assembled to gear housing in Fig.6.

< Note > Balance plate is not symmetric. Therefore, assemble this part as illustrated in Fig. 7.

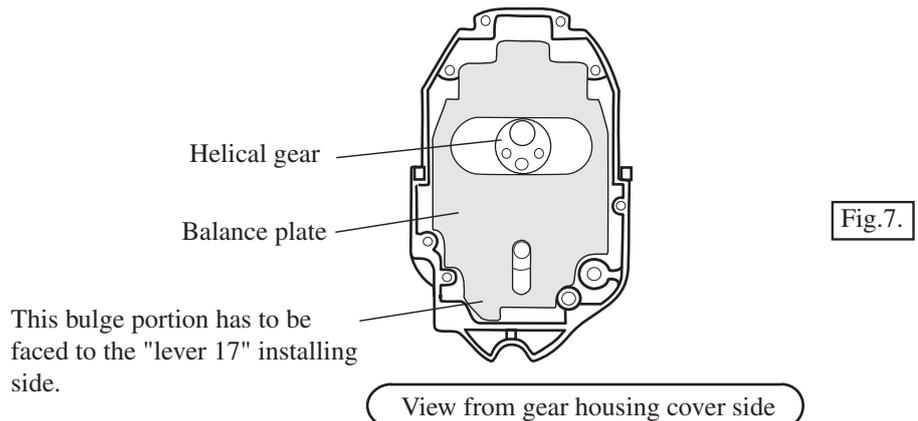


Fig.7.

