

T ECHNICAL INFORMATION

Makita

NEW TOOL

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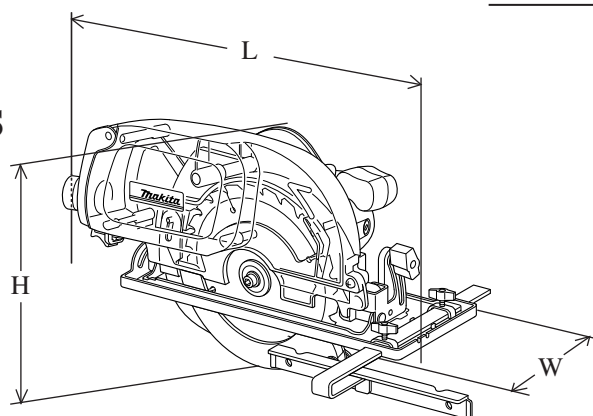
Models No. ▶ 5017RKB

Description ▶ 190 mm Dustless Circular Saw

CONCEPTION AND MAIN APPLICATIONS

What provides you dust-free clean work, is the above Model 5017RKB, which is the first dustless circular saw with riving knife in the world.

This model is based on Model 5703R, but equipped with durable and higher power motor of 1,400W.



Dimensions : mm (")	
Length (L)	414 (16-1/4)
Height (H)	182 (7-1/8)
Width (W)	277 (10-7/8)

► Specification

Voltage (V)	Current (A)	Cycle (Hz)	Continuous Rating (W)		Max. Output(W)
			Input	Output	
110	13	50/60	1,400	600	1,750
220	6.7	50/60	1,400	600	2,200
230	6.4	50/60	1,400	600	2,200
240	6.1	50/60	1,400	600	2,200

No load speed : rpm.= min.-1		4,800
Size of blade	Diameter : mm (")	190 (7-1/2)
	Arbor : mm (")	30 (1-3/16)
Max.cutting capacities : mm (")	at 90°	66 (2-5/8)
	at 45°	46 (1-13/16)
Electric brake		No
Protection from electric shock		by double insulation
Net weight : Kg (lbs.)		5.5 (12.1)
Cord length : m (ft)		2.5 (8.2)

► Standard equipment

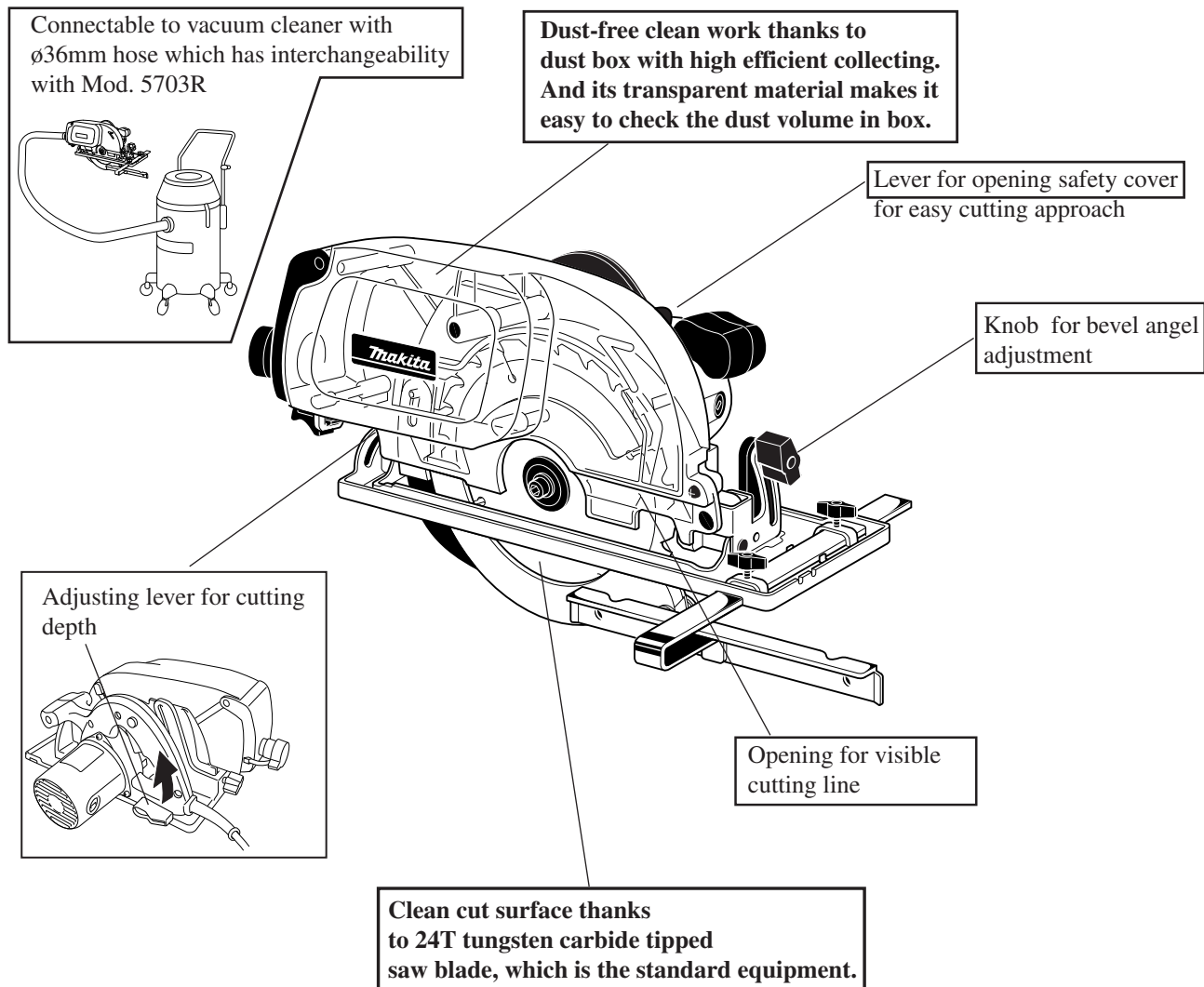
- * Rip fence (Guide rule) 1 pc.
- * Hex wrench 5 1 pc.
- * Tungsten carbide tipped saw blade 190mm / 24 T..... 1 pc.

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

► Optional accessories

- * Various tungsten carbide tipped saw blade 190mm
- * Inner flange 40 for the saw blade with 20mm hole diameter

5107RKB



► **Comparison of products**

Specifications		Model No.	MAKITA	
			5017RKB	5703R
Power input (W)			1,400	1,300
No load speed : rpm.= min.-1			4,800	4,800
Equipped saw blade	Type		T.C.T. saw blade	T.C.T. saw blade
	No. of teeth		24 T	12 T
	Diameter : mm (")		190 (7-1/2)	190 (7-1/2)
	Arbor : mm (")		30 (1-3/16)	30 (1-3/16)
Max.cutting capacities : mm (")	at 90°		66 (2-5/8)	66 (2-5/8)
	at 45°		46 (1-13/16)	46 (1-13/16)
Dust box			Yes	No
Shaft lock			Yes	Yes
Base material			Steel plate	Steel plate
Protection from electric shock			by double insulation	by double insulation
Net weight : Kg (lbs.)			5.5 (12.1)	5.2 (11.5)
Standard equipment			Rip fence (Guide rule) T.C.T. saw blade Hex wrench	Rip fence (Guide rule) T.C.T. saw blade Hex wrench

Comparison of dust collecting

92 - 94% of dust can be collected in the dust box without being conditioned by the thickness and kind of materials, and cutting angle.

Thickness	Width	Materials	No. of cut (Capa. of dust box)	Bevel angle	
				90°	45°
30mm (1-3/16")	300mm (11-3/4")	Douglas pine	20 cuts	Dust collecting rate 94	Dust collecting rate 93
		Lauan	20 cuts	Dust collecting rate 93	Dust collecting rate 93
		2" x 10"		Spruce	20 cuts
60mm (2-3/8")	300mm (11-3/4")	Douglas pine	10 cuts	Dust collecting rate 92	
		Lauan	10 cuts	Dust collecting rate 93	

The saw dust can be efficiently collected with this dust box system without any trouble.

► **Repair**

< 1 > Disassembling ball bearing 608DDW

- (1) Take off countersunk head screw M5 x 16 which is fastening bearing box. Then the gear section can be removed from blade case as illustrated in Fig. 1.

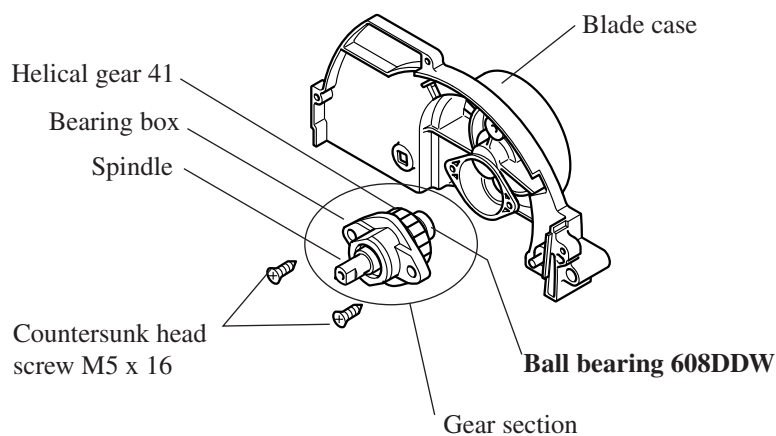


Fig. 1

- (2) Hold the above gear section with vice or something. And disassemble ball bearing 608DDW with 2 pcs. of No. 1R263 bearing extractors as illustrated in Fig. 2.

1R263 Bearing Extractor

Remove Bearing or Gear easily.

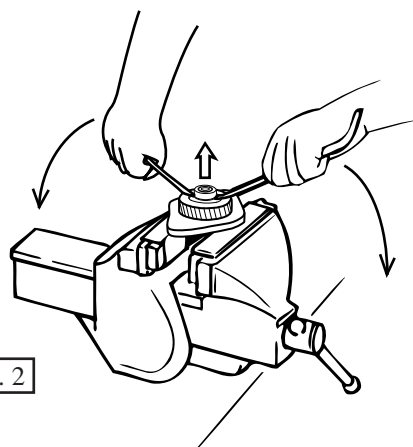
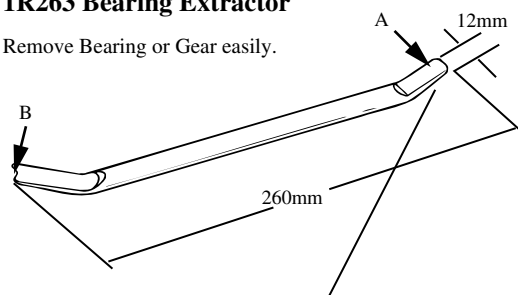


Fig. 2

< 2 > Assembling bearing box

- (1) For sealing gear section, O ring 44 is assembled to bearing box. Be careful not to do damage to O ring 44, when assembling bearing box (gear section) to blade case.

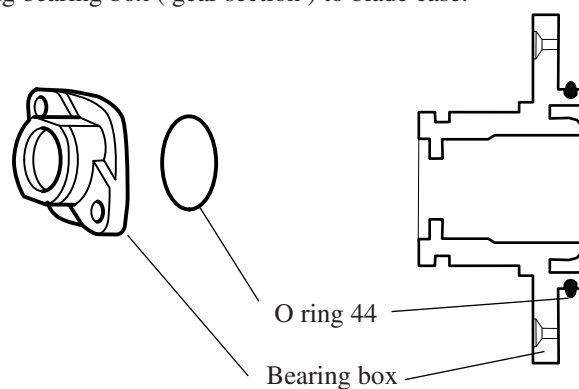


Fig. 3

< 3 > Assembling riving knife

- (1) Adjust the depth of cut on the max. cutting position. And then, assemble riving knife to the riving knife holder keeping its position against saw blade as illustrated in Fig. 4.

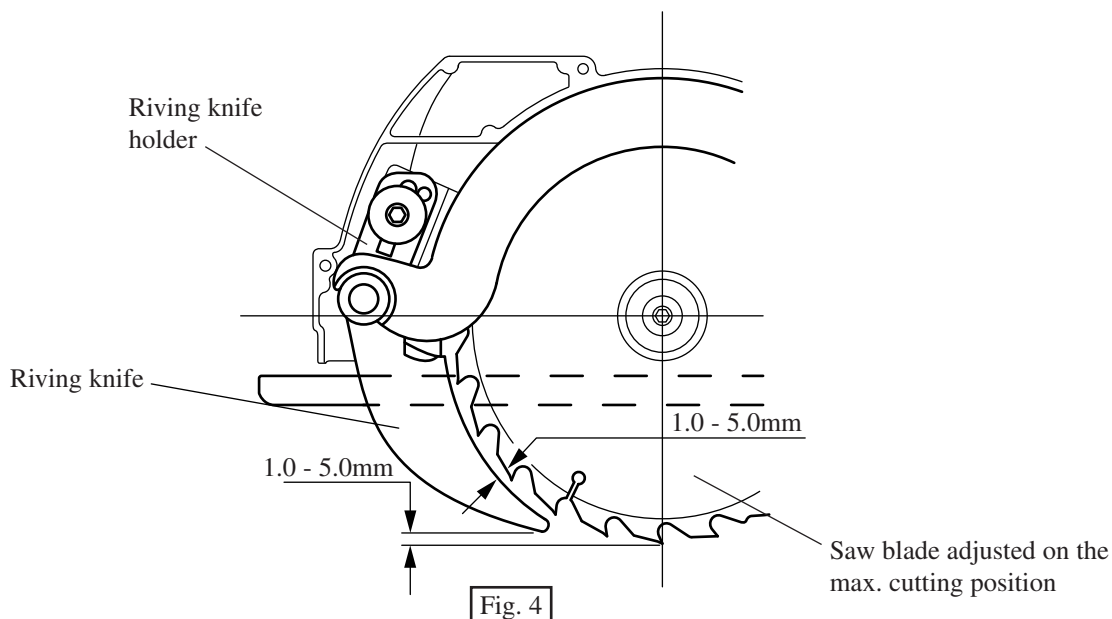
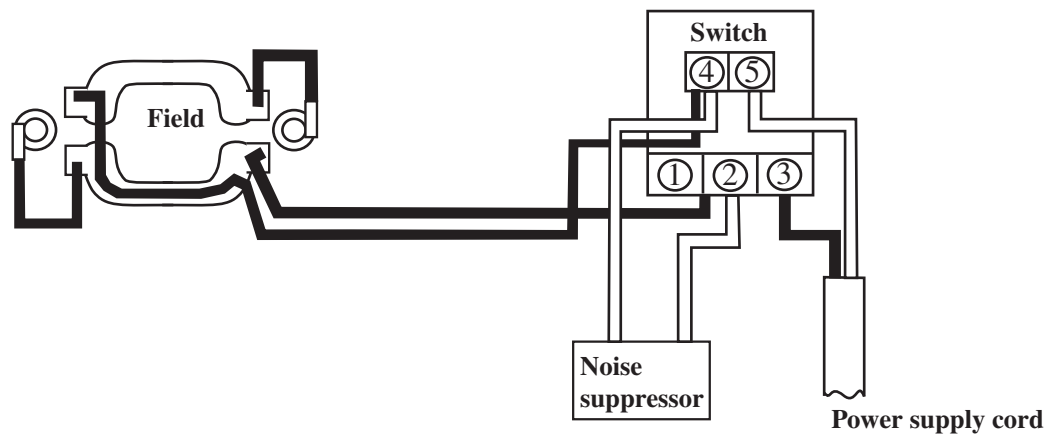


Fig. 4



► **Wiring diagram**

