

# T ECHNICAL INFORMATION



PRODUCT

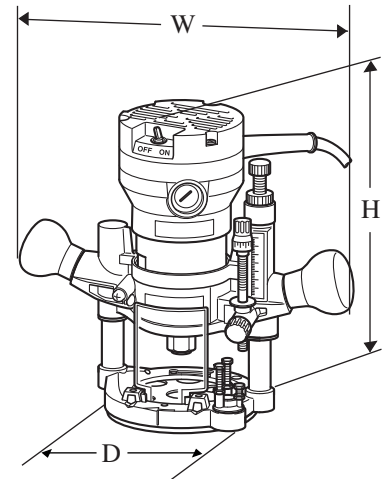
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**Models No.** ▶ RP1100, RP1101

**Description** ▶ Router 12mm (1/2")

## CONCEPTION AND MAIN APPLICATIONS

The above new models are 2-1/4 HP plunge type routers with the same powerful motor as RF1100 and RF1101. And they feature the same fine depth adjusting knob as RP1110C. RP1100 is a single speed machine without speed control dial. RP1101 is a variable speed machine with speed control dial.



Dimensions : mm (")	
Base dia. (D)	146 (5-3/4)
Width (W)	305 (12)
Height (H)	291 (11-1/2)

## ► Specification

Voltage (V)	Current (A)	Cycle (Hz)	Continuous Rating (W)		Max. Output(W)
			Input	Output	
120	11	50 / 60	1,250	960	1,700

Model		Makita	
		RP1100	RP1101
Specifications	Nominal (HP)	2-1/4	2-1/4
	Measured (W)	1,700	1,700
No load speed : (min.=rpm)		24,000	8,000 - 24,000
Collet capacity : mm (")		12.7 (1/2)	12.7 (1/2)
Plunge capacity : mm (")		0 - 66 (2-19/32)	0 - 66 (2-19/32)
Electronic features	Constant speed	Yes	Yes
	Soft start	Yes	Yes
	Variable speed	Yes	No
Protection from electric shock		by grounding	by grounding
Cord length : m (ft.)		2.5 (8.2)	2.5 (8.2)
Net weight : Kg (lbs)		4.2 (9.3)	4.2 (9.3)

## ► Standard equipment

- \* Wrench 27 ..... 2 pcs.
- \* Wrench 8 ..... 1 pc.
- \* Collet cone 6.35 (1/4") set... 1 set

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

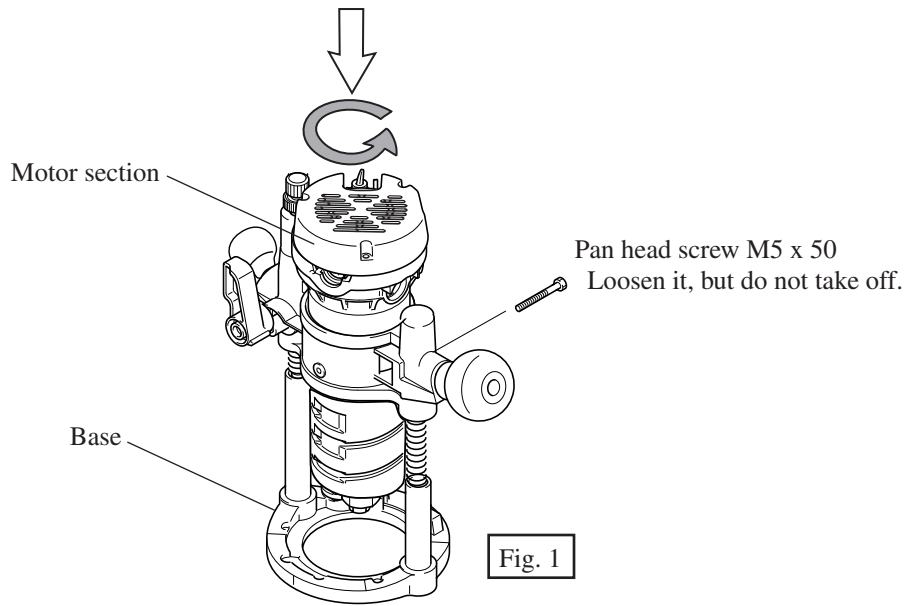
## ► Optional accessories

- \* Straight guide assembly
- \* Dust nozzle assembly for vacuum cleaner
- \* Base plate
- \* Various templet guide
- \* Lock nut
- \* Various router bit
- \* Collet cone 12.7 (1/2")
- \* Collet cone 6.35 (1/4")



< 1 > Disassembling base

Loosen pan head screw M5 x 50, but do not take off. And pressing the motor section down, turn it anti-clockwise. So, the base can be separated from motor section. See Fig. 1.



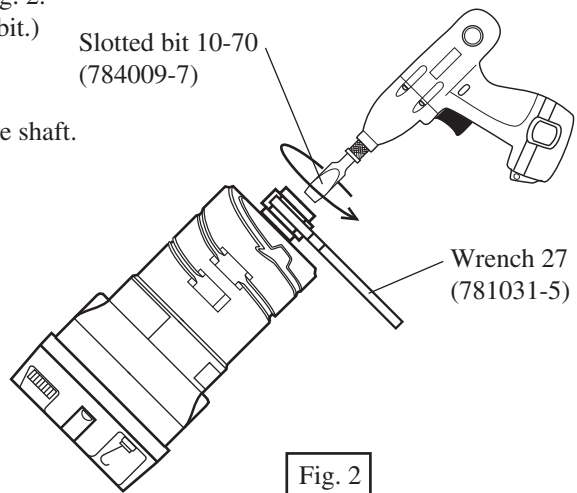
< 2 > Dismounting collet body

Holding collet body with spanner 27, turn the armature shaft with impact wrench clockwise as illustrated in Fig. 2. (The end of armature shaft is slotted for accepting the bit.)

Use impact wrench, because the collet body is secured too tight to be detached by hand from armature shaft.

Mounting collet body

Fasten the collet body so strong that it can not loosen. The fastening torque is 3.2 - 6.3 N.m.

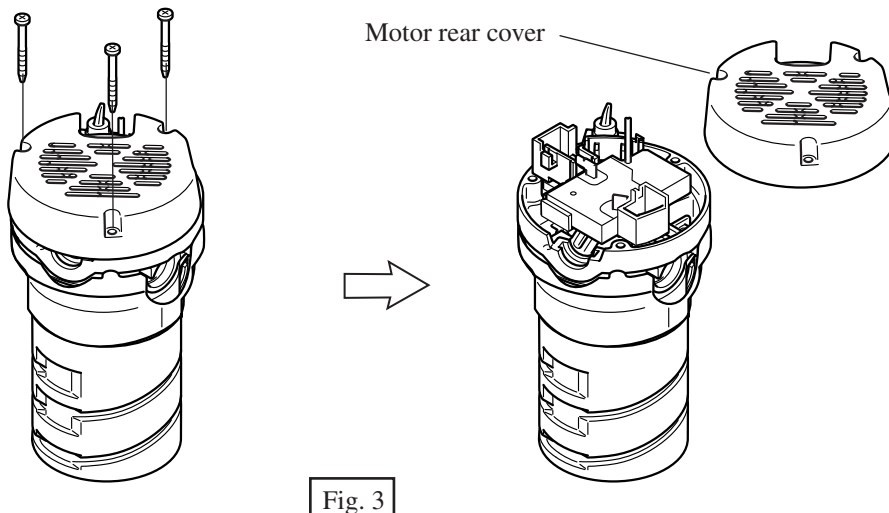


< 3 > Removing motor housing

(1) Take off tapping screw CT4x40.

And remove rear cover from motor section.

See Fig. 3.



(2) Remove motor rear housing from motor housing as illustrated in Fig. 4.

\* Motor rear housing is to be removed together with baffle plate and field.

\* Motor housing is to be removed together with armature.

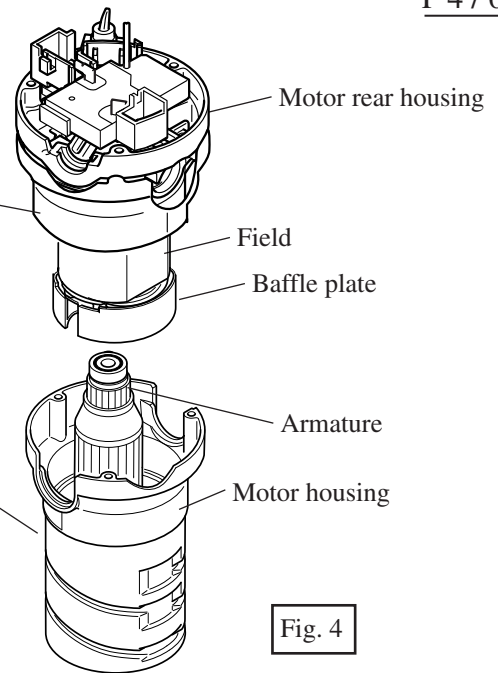


Fig. 4

< 4 > Assembling depth pointer

The brim portion of depth pointer has to come on the upper side (rear cover side) as illustrated in Fig. 5.

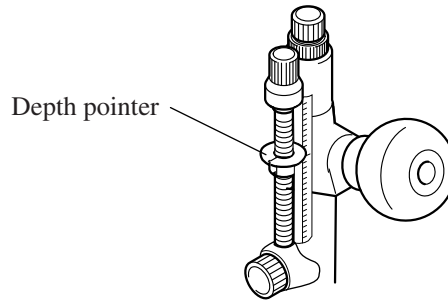


Fig. 5

< 5 > Assembling lever 55

( 1 ) After inserting lock pin into the hole of slide base, screw set bolt M8 x 16 into the same hole until the lock pin being pushed by set bolt, reaches the silent pole. See Fig. 6 and Fig. 6A.

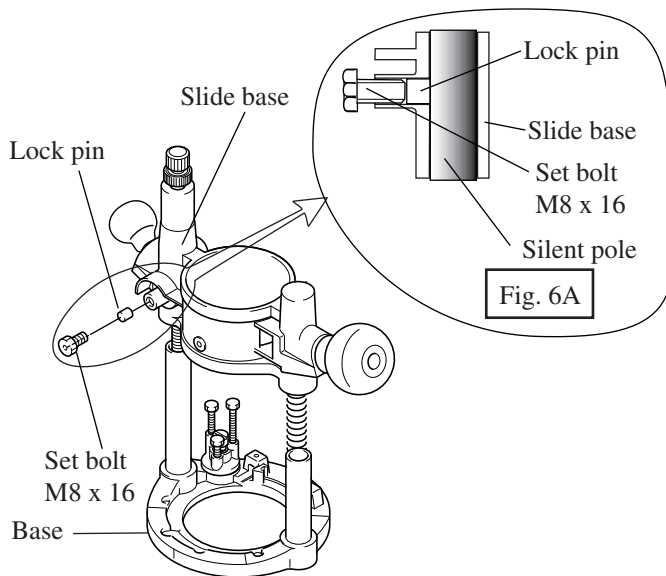


Fig. 6

( 2 ) Assemble torsion spring 16 to slide base. See Fig. 6B.

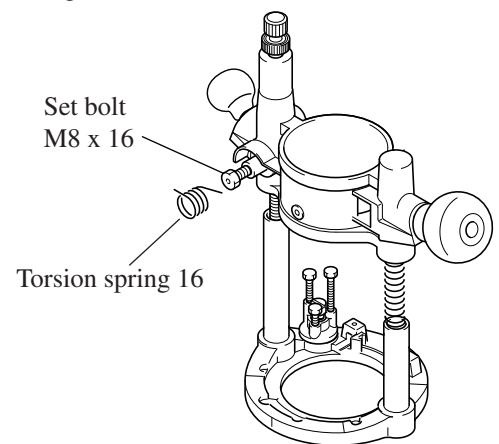


Fig. 6B

( 3 ) Assemble lever 55 aligning its hex hole with the hex head of set bolt M8 x 16 so that its assembling angle comes 30° within + -15° tolerance as illustrated in Fig. 6D. And then, fasten lever 55 with pan head screw M4 x 12 as illustrated in Fig. 6C.

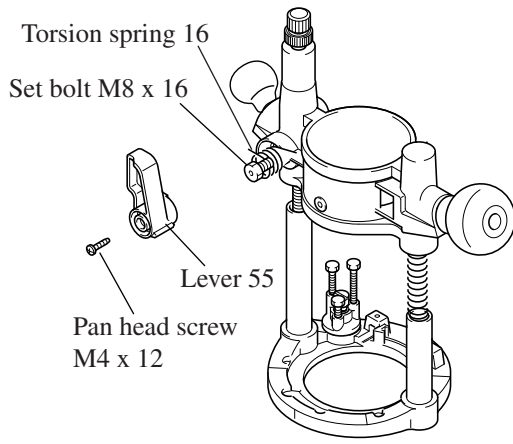


Fig. 6C

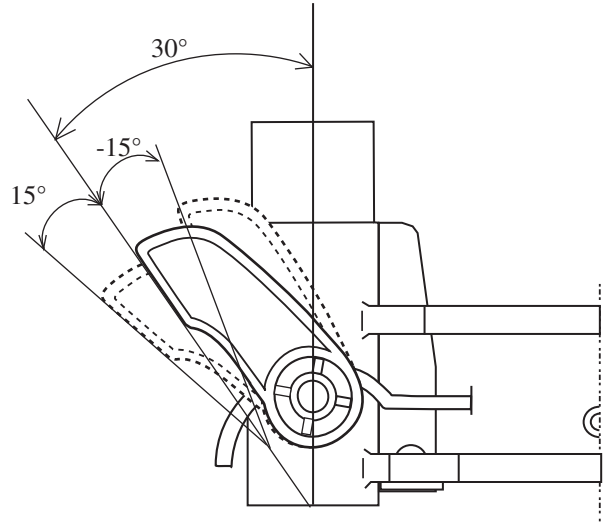
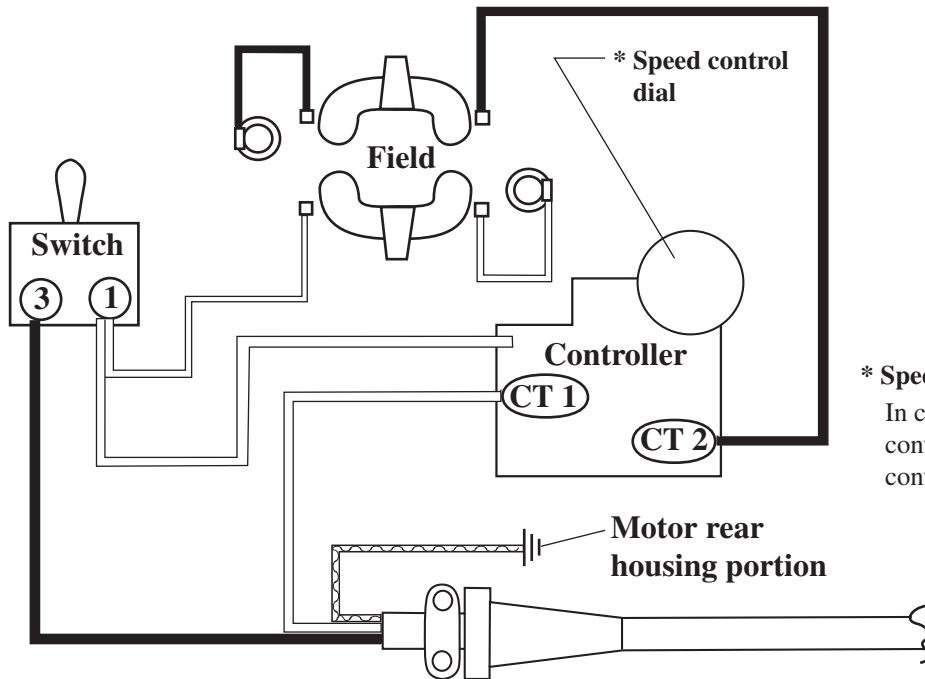


Fig. 6D

► **Circuit diagram**

Color index of lead wires	
Black	
White	
Green	



**\* Speed control dial**  
In case of Mod.RP1101, the speed control dial is not installed in the controller unit.

Mod.RP1100 / RP1101

