

TECHNICAL INFORMATION

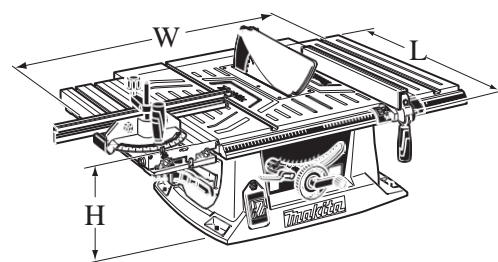
Model No. ▶ MLT100

Description ▶

Table Saw 260mm (10-1/4")*₁
Table Saw 255mm (10")*₂

*1 for European countries

*2 for all countries except European countries



CONCEPT AND MAIN APPLICATIONS

Model MLT100 has been developed as a cost-competitive sister model of Models 2704/2705.

The machine for USA and Canada features blade guard in compliance with the latest UL Standards.

Note: MLT100 for USA and Canada differs from the image shown above in some details.

Dimensions: mm (")	
Length (L)	726 (28-1/2)
Width (W)	984 (38-3/4)
Height (H)	333 (13-1/8)

Specifications

Voltage (V)	Current (A)	Cycle (Hz)	Continuous Rating (W)		Max Output (W)
			Input	Output	
110	4.1	50/60	430	220	340
120	4.0	50/60	N/A	220	340
230	2.0	50/60	430	220	340

Area		European countries	USA, Canada Mexico, Panama	Other countries
Specifications				
Saw blade: mm (")	Diameter	260 (10-1/4)	255 (10)	
	Hole diameter	30 (1-3/16)	15.88 (5/8)	30 (1-3/16)
No load speed: min.-1=rpm		4,300		
Bevel cutting capacity: degrees		0 to 45		
Cutting capacities: mm (")	at 90 degrees	93 (3-5/8)	90.5 (3-9/16)	
	at 45 degrees	64 (2-1/2)	63 (2-1/2)	
Soft start		Yes: all high voltage areas except UK and those in Asia No: UK, Asia, all low voltage areas		
Electric brake		Yes		
Double insulation		Yes		
Power supply cord: m (ft)		2.5 (8.2)		
Net weight*: kg (lbs)		34.8 (76.7)		

*Weight according to EPTA-Procedure 01/2003

Standard equipment

TCT saw blade
Wrench
Dust bag
Holder

Vise assembly
Triangular rule
Set plate

Note: The standard equipment may vary by country or model variation.

Optional accessories

TCT saw blade

REPAIR MANUAL

Table Saw MLT100



Version: A

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Repair



CAUTION: Repair the machine in accordance with “Instruction manual” or “Safety instructions”.

[1]NECESSARY REPAIRING TOOLS

Code NO.	Description	Use for
1R034	Bearing Setting plate 12.2	Press-fitting Bearing 6001 to Rotor
1R036	Bearing Setting plate 17.2	Assembling Bearing 6004 to output shaft
1R080	Arbor Press	Press-fitting Bearing
1R173	Retaining Ring R pliers	Connecting/disconnecting Terminal Connected to carbon brush house
1R207	45-degree set square	Adjusting accuracy of 45 degrees
1R208	90-degree set square	Adjusting accuracy of 90 degrees
1R269	Bearing Extractor	Remove bearing
1R291	Retaining Ring S and R pliers	Remove retaining ring

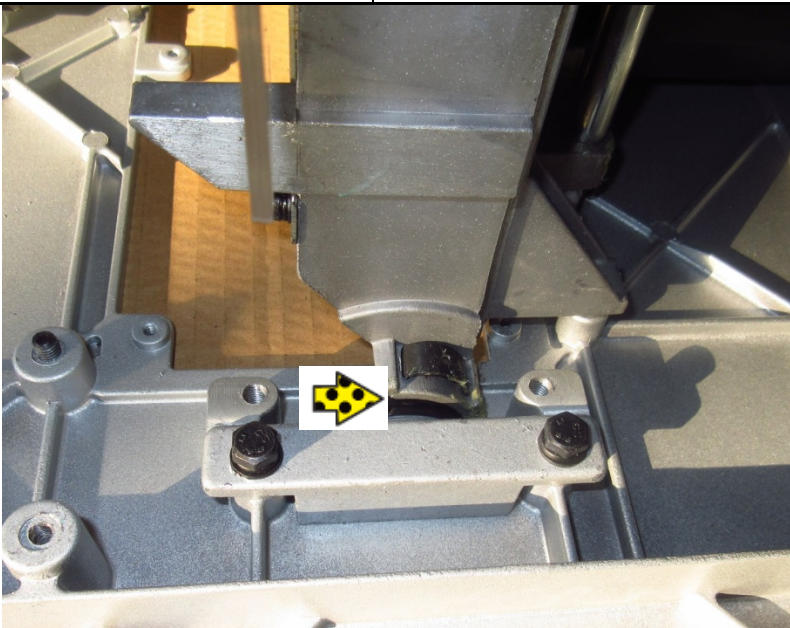
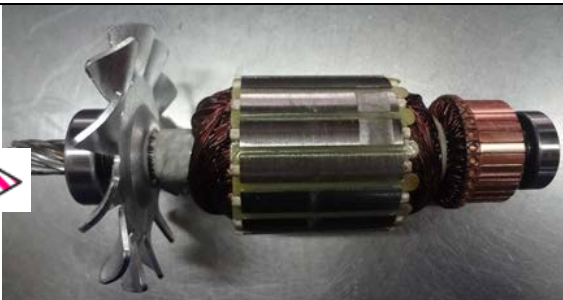
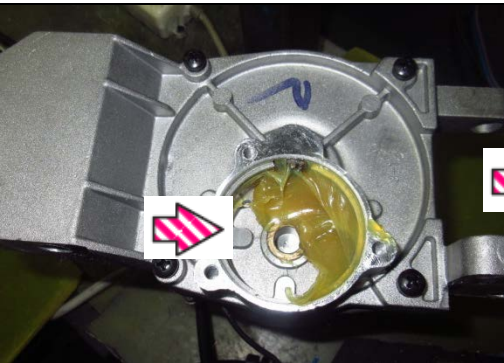
[2]LUBRICATION

Apply lubricant to the portions designated with the following arrows to protect parts and product from unusual abrasion.

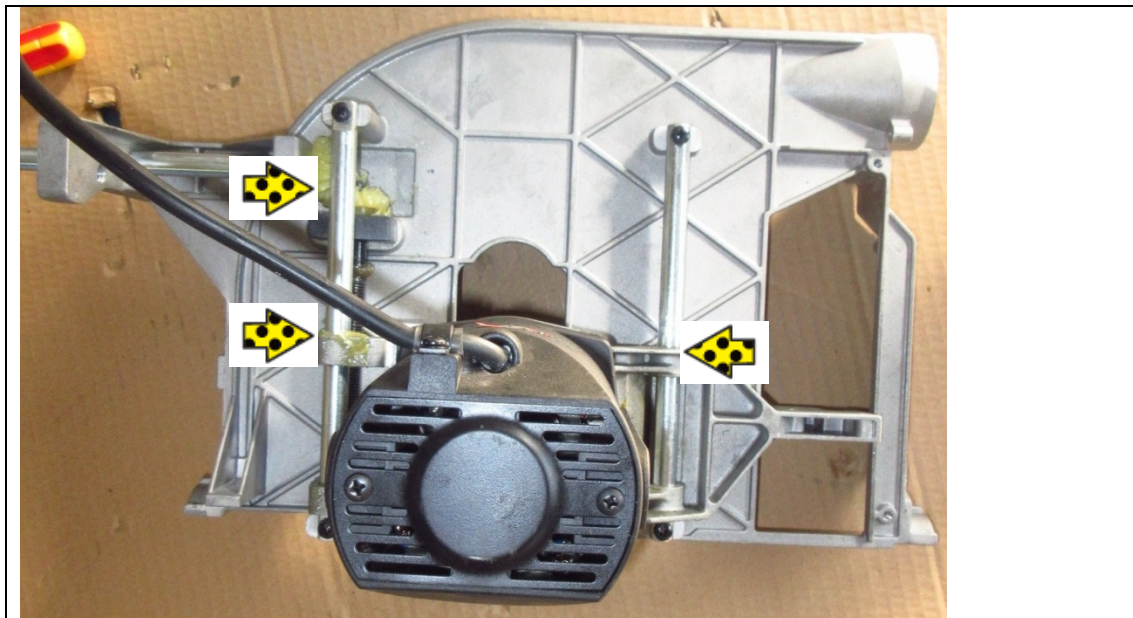
Arrow	Type of lubricant	Amount
	Makita grease SG No.0	approx. 10 g
	Makita grease N No.1	a little

Gear box section

Frame turn section



Up/down gear and the bars

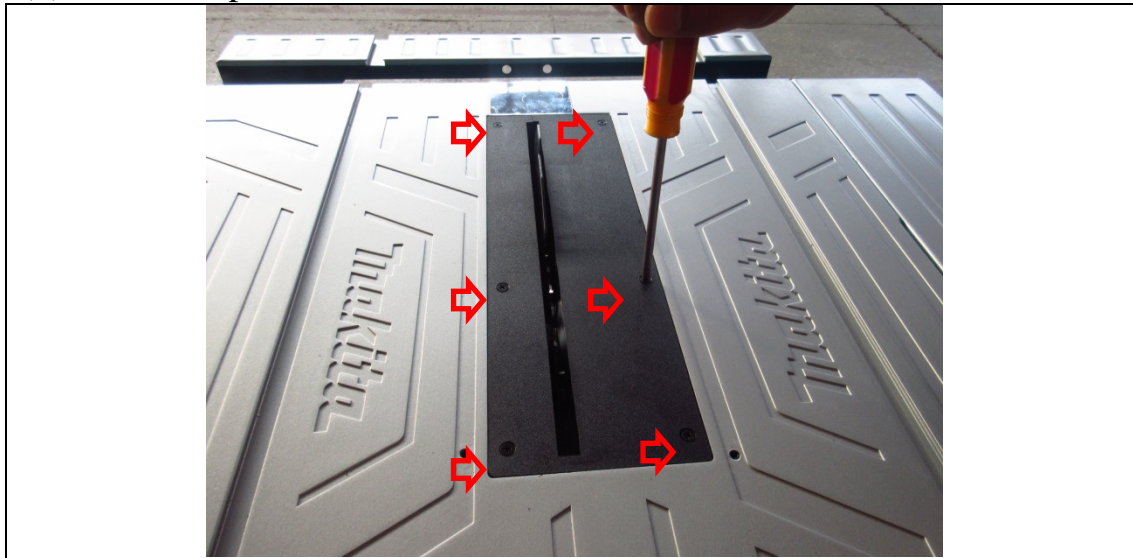


Repair

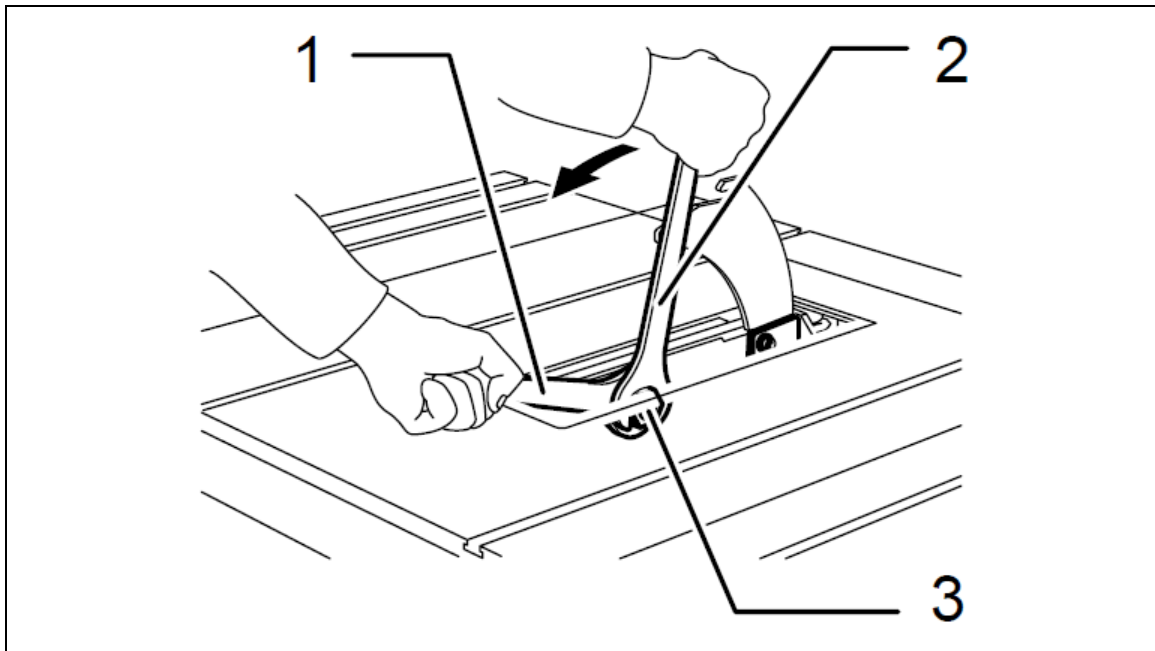
[3]DISASSEMBLY/ASSEMBLY

[3]-1.Blade

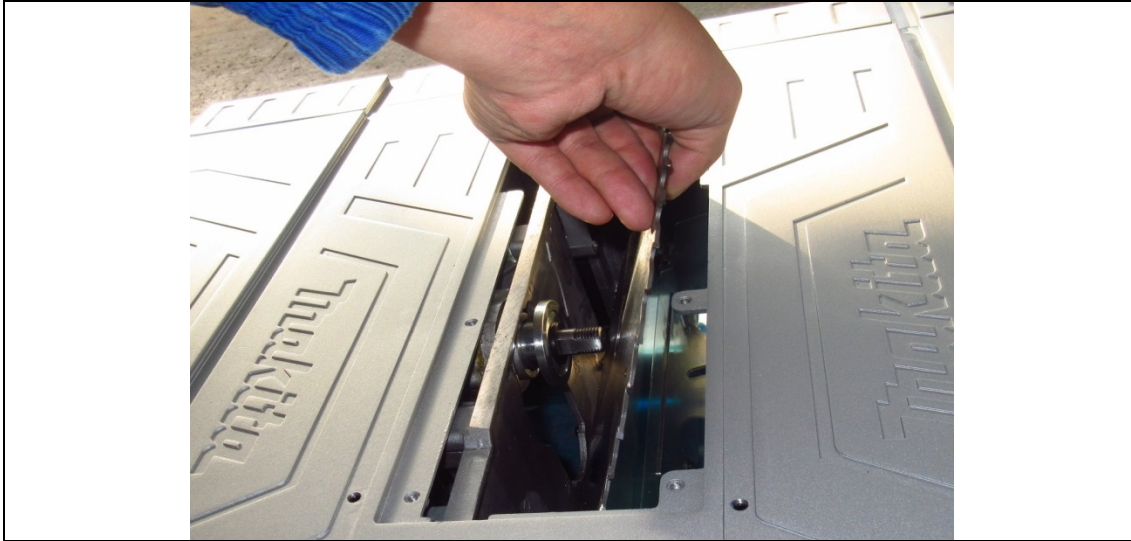
(1) Take off 6pcs of M4X8 cross head screw and remove the table insert



(2) Hold the outer flange with the wrench and loosen the hex nut counterclockwise with the wrench.



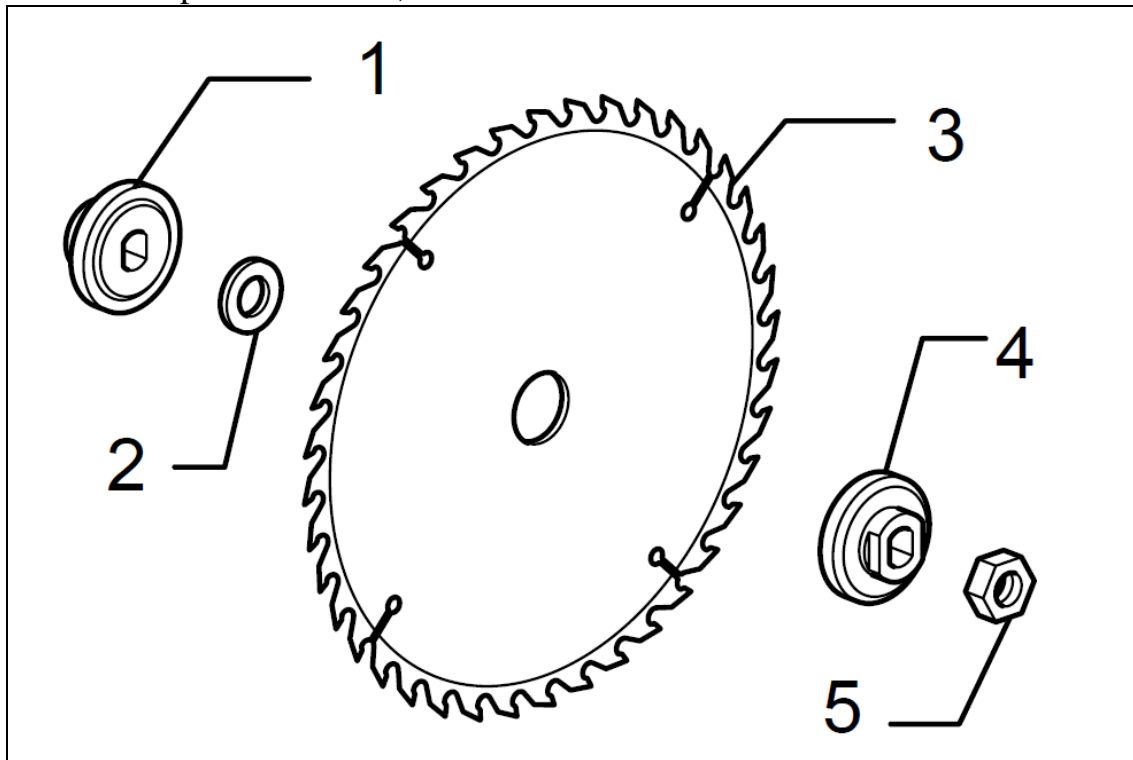
(3) Remove the out flange and change the blade.



(4) The ring on the spindle

--For all countries other than Europe, blade bore size **25.4mm**.

--For European countries, blade bore size **30mm**.



Repair

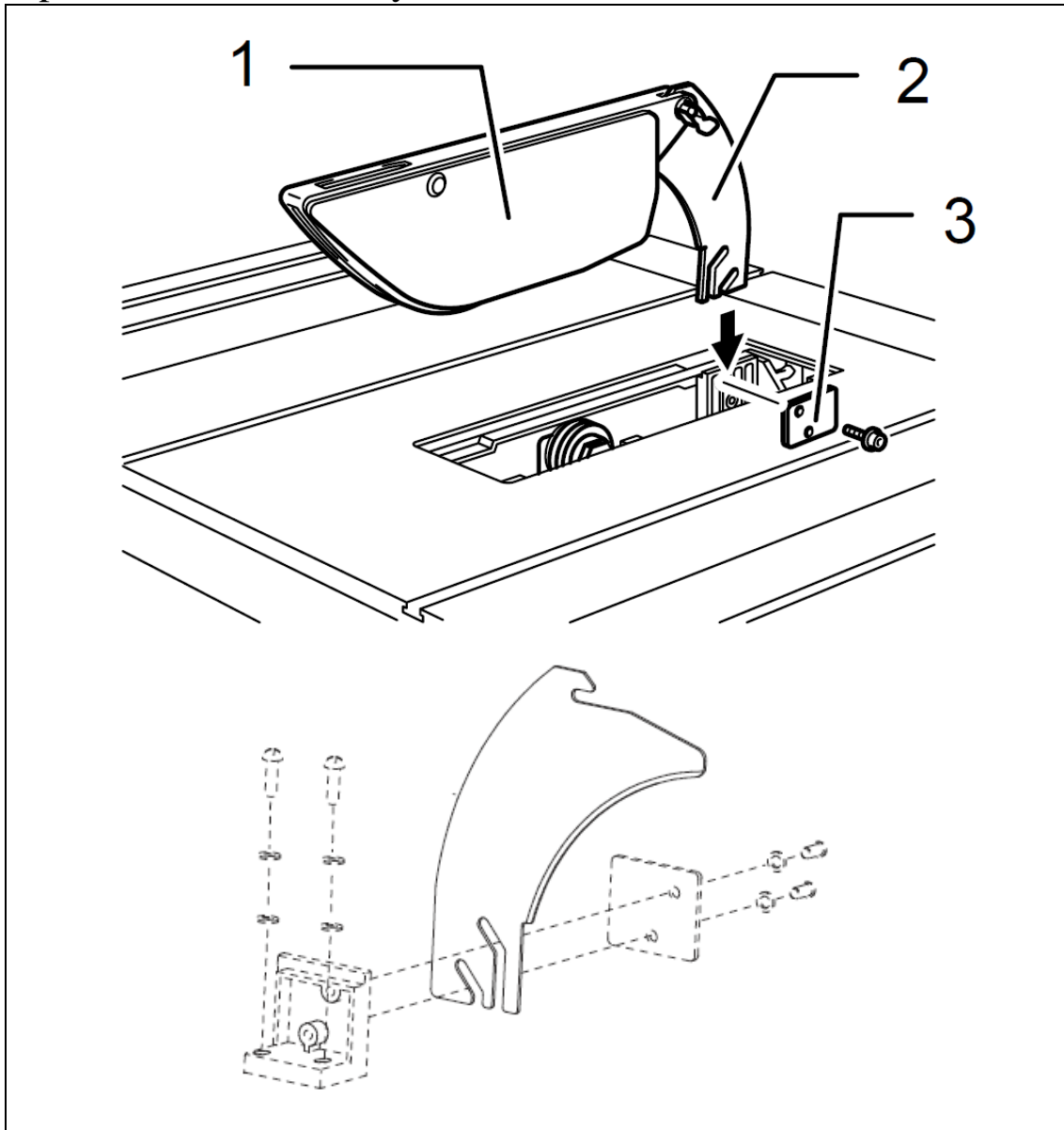
[3]Disassembly/Assembly

[3]-2.Blade guard

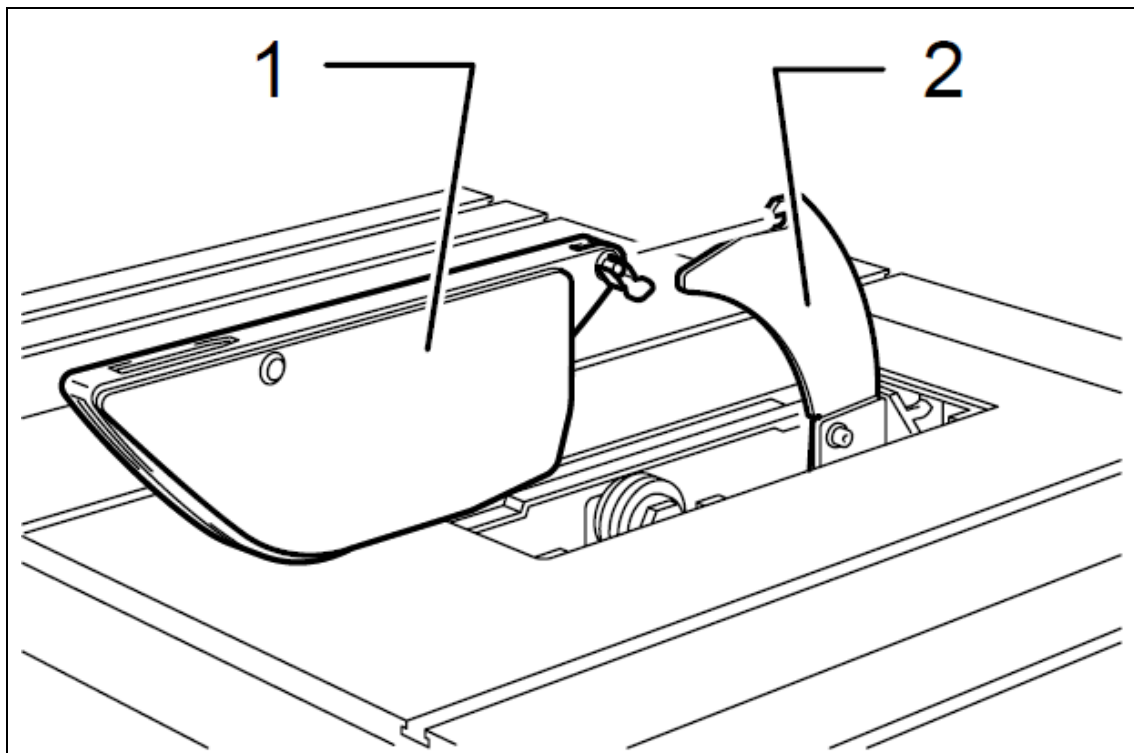
(1) Before installing/disassembly the blade guard, adjust the depth of cut to its maximum elevation.

Remove the table insert as previous 3.1.1.

(2)Insert the riving knife into the blade guard mounting portion, and tighten the 2pcs of M6 H.S.bolts by allen wrench.



(3) Place the blade guard into the groove on the riving knife. Secure the blade guard by pivoting the lever on the blade guard.



Repair

[3]Disassembly/Assembly

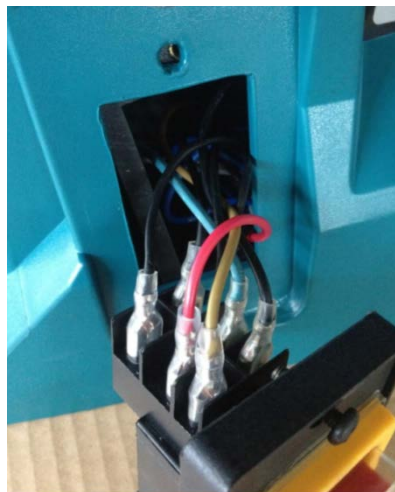
[3]-3.Switch

(1)Remove the screws and take out the switch.

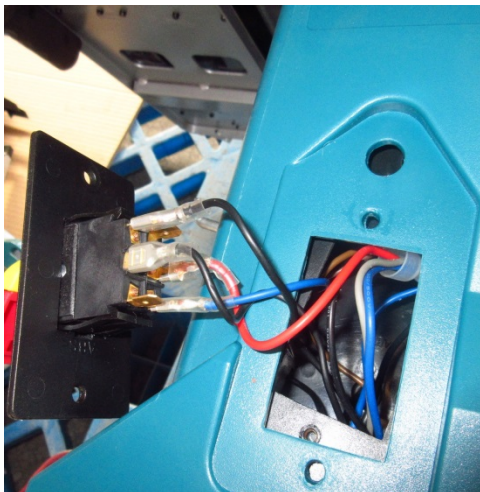


(2)Change the switch.

EU switch



Safety switch



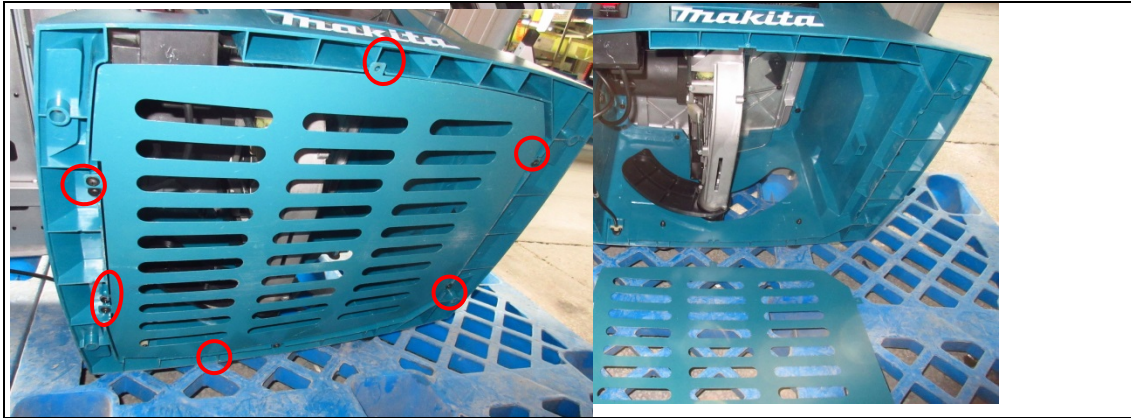
Repair

[3]Disassembly/Assembly

[3]-4.Motor

(1)Remove the up blade guard, blades first.

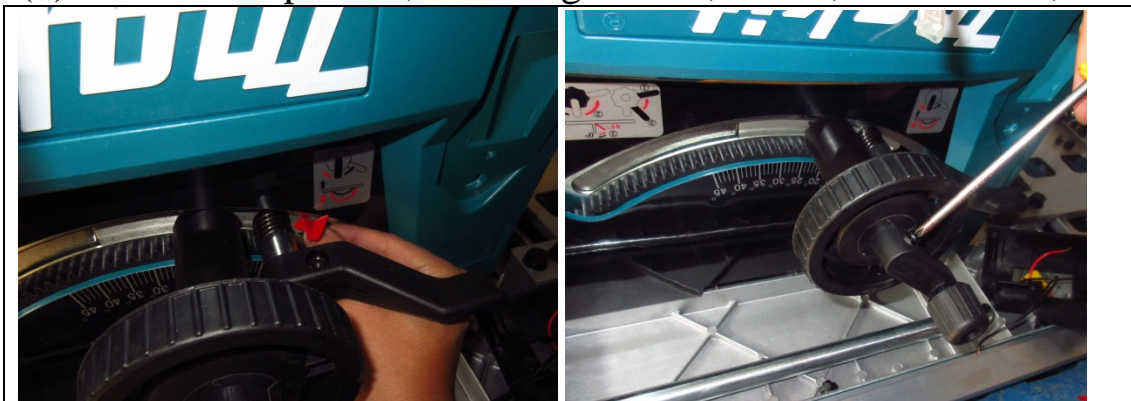
(2)Remove the screws in the bottom and take off the bottom plate.

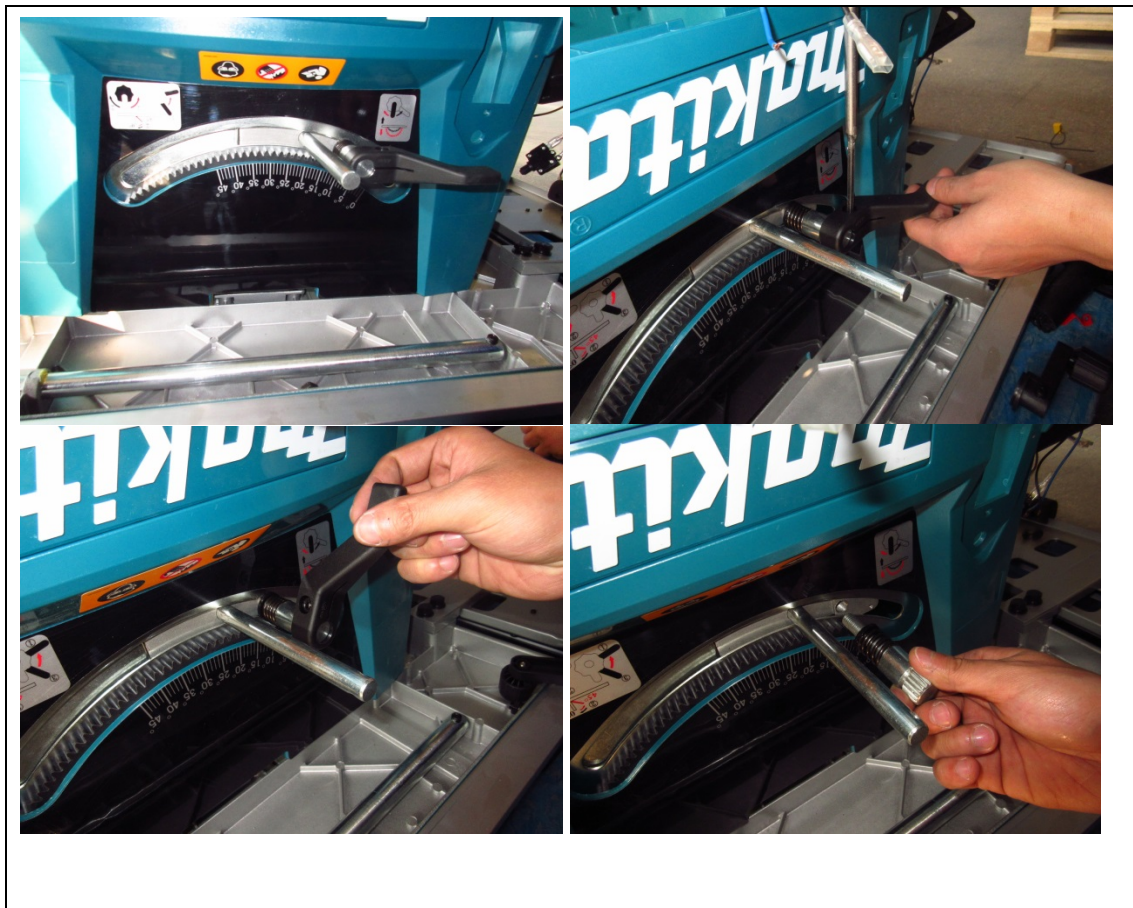


(3)Remove the switch



(4)Remove the pointer, elevating handle, wheel, lock handle, locking rod.





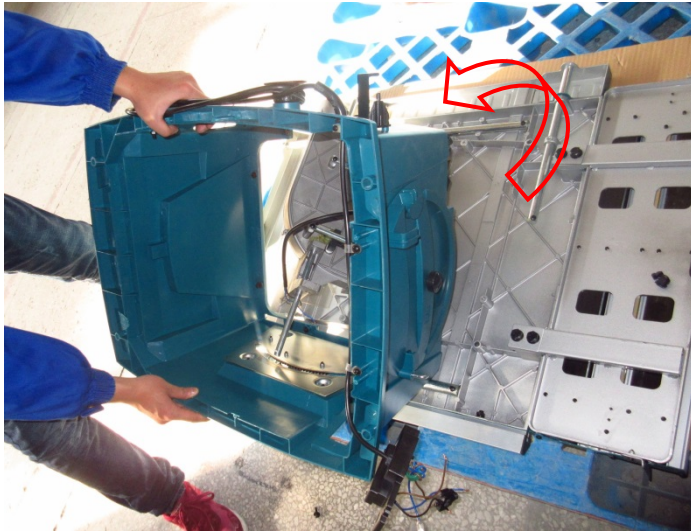
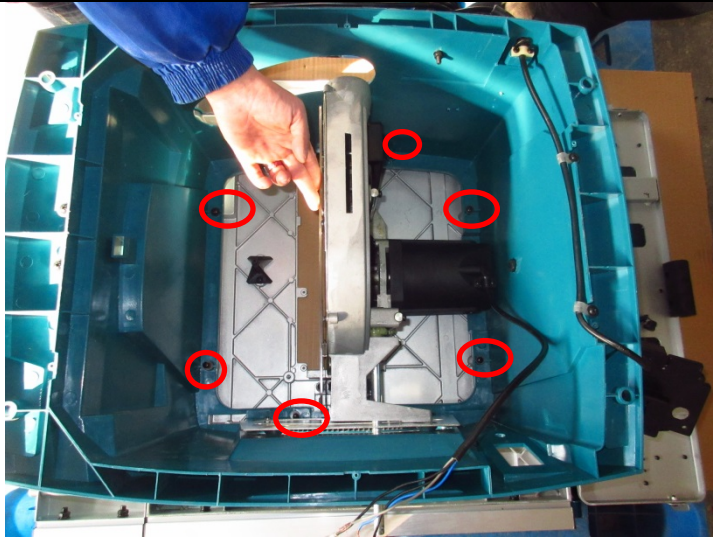
(5) Removing the dust cover.



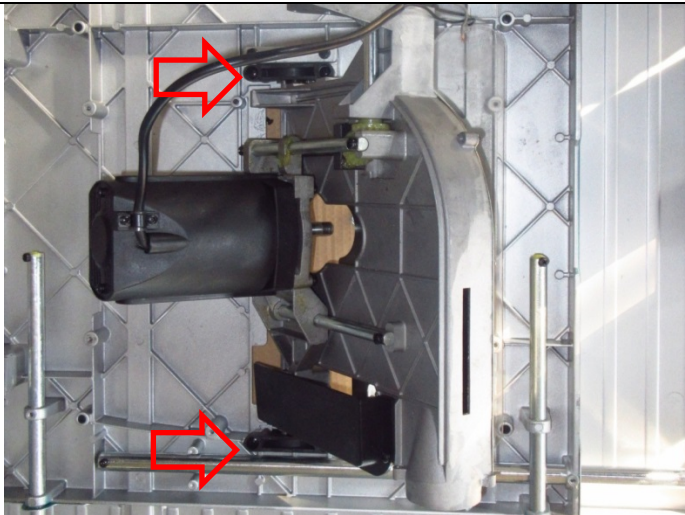
(6) Removing the limited screw on the transparent plate.



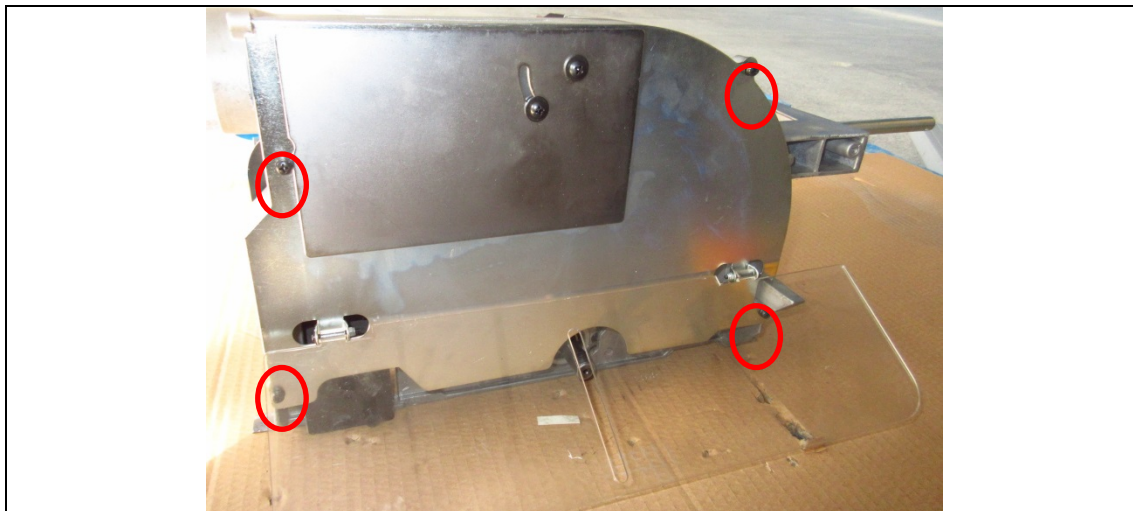
(7) Removing the screws from cabinet.



(8) Remove the frame bracket.



(9) Remove the blade cover.



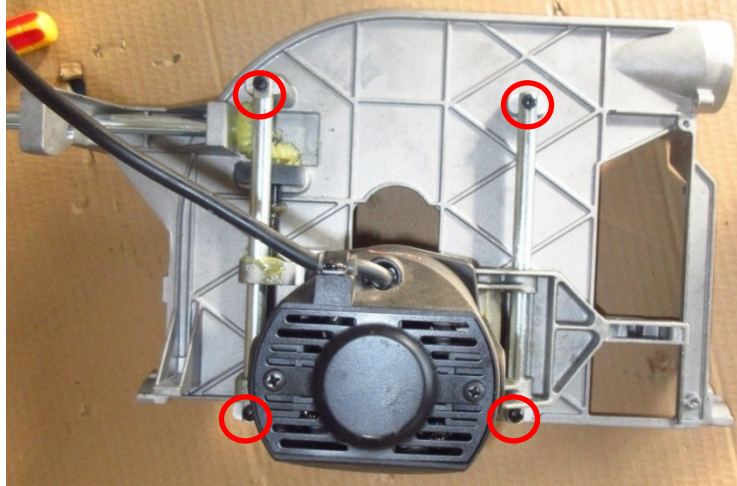
(10) Remove the elevating bracket screw.



(11) Remove the protection cover.



(12) Remove the screws on the elevation bar.



Repair

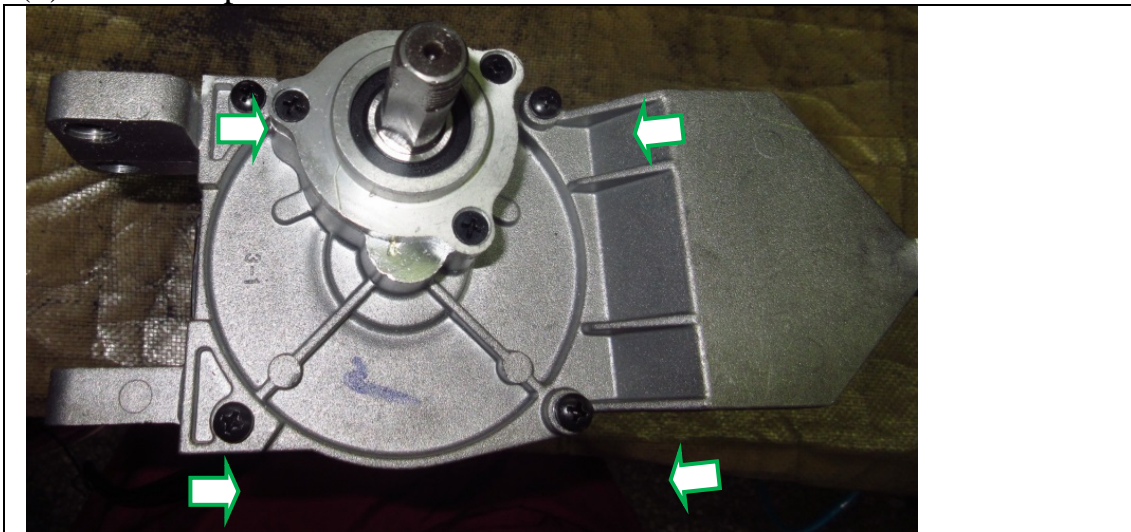
[3]Disassembly/Assembly

[3]-5.Stator

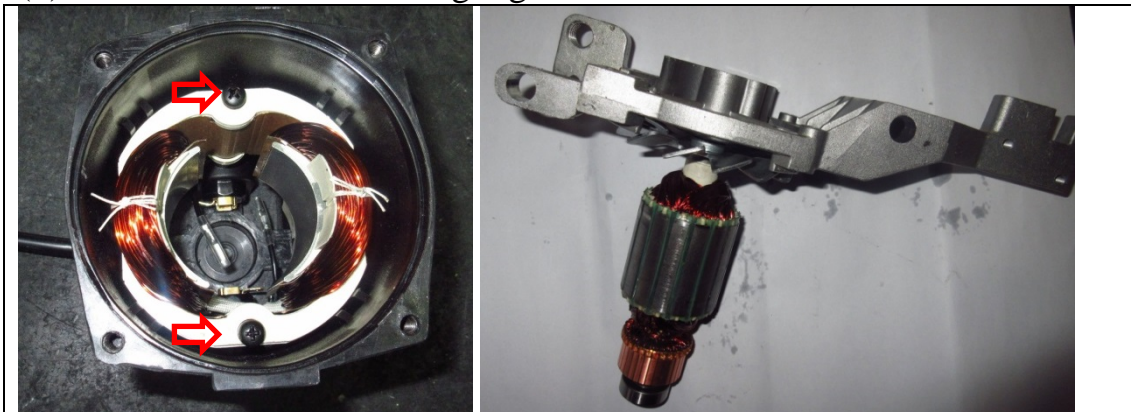
(1)Remove 2pcs of brushes;



(2) Remove 4pcs screws.



(3)Take off the motor housing together with the stator

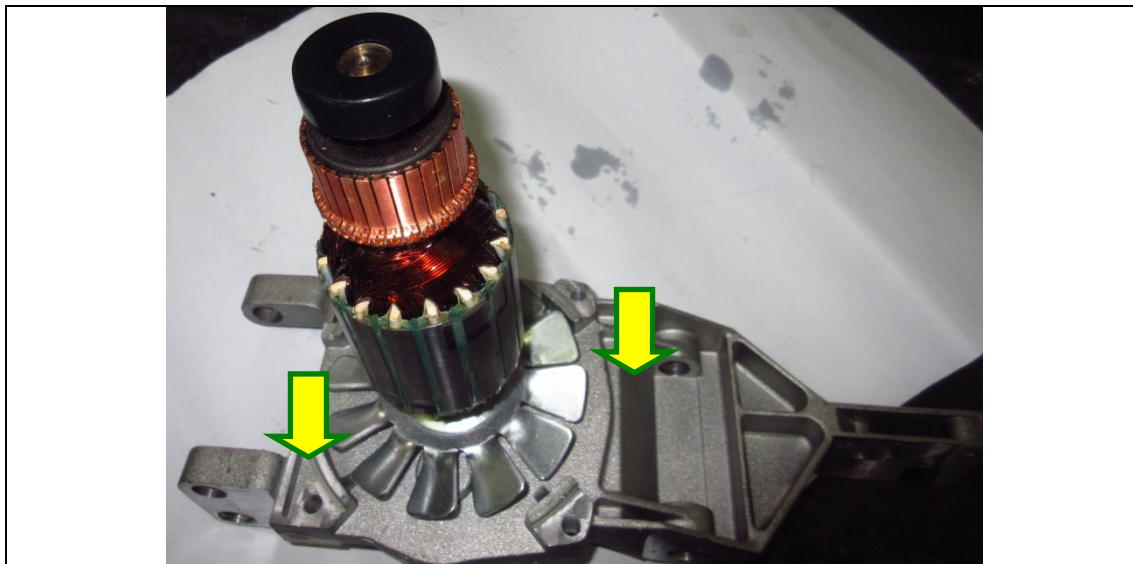


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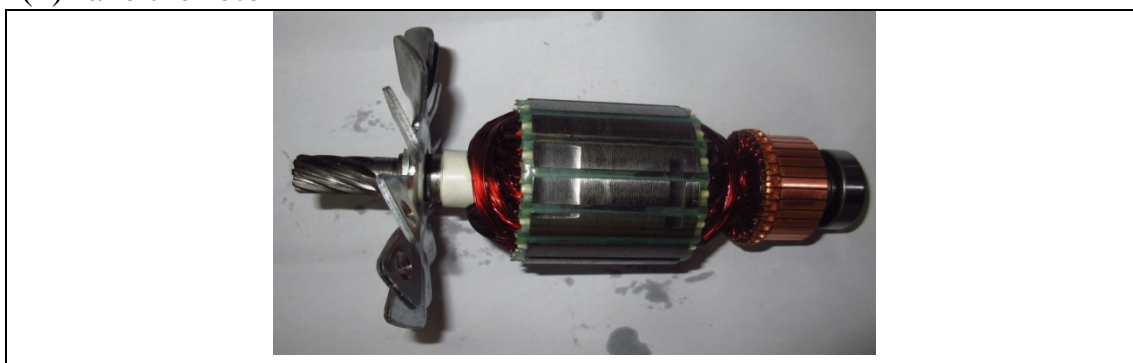
[3]Disassembly/Assembly

[3]-6.Rotor

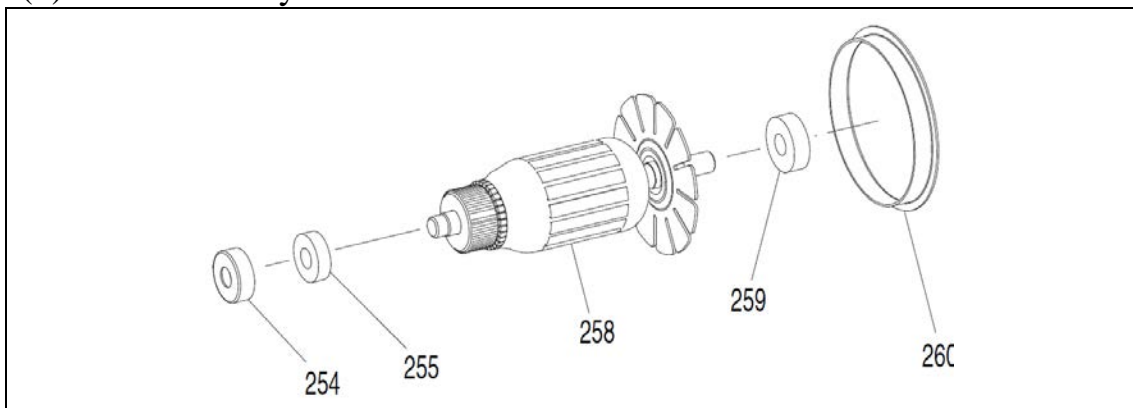
(1) Take off the rotor from the gear box arm by hammer.



(2) Take the rotor



(3) Rotor assembly

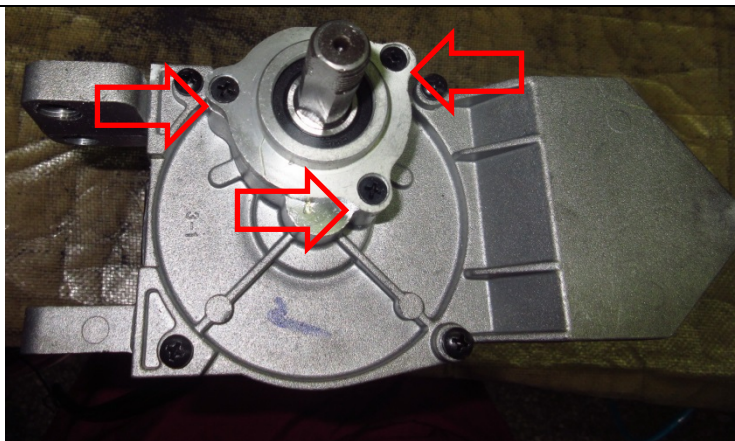


Repair

[3] Disassembly/Assembly

[3]-7. Gear

(1) Remove the screw



(2) Take off the gear wheel assy.

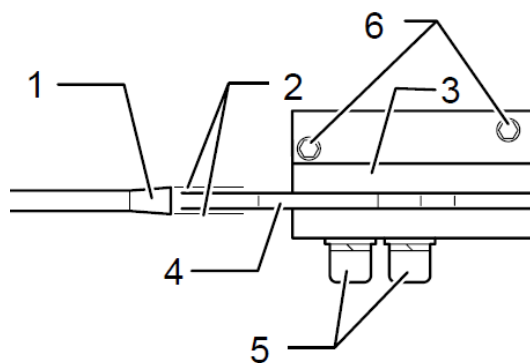


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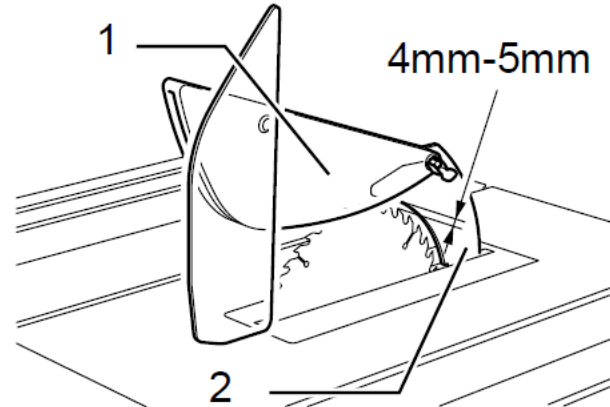
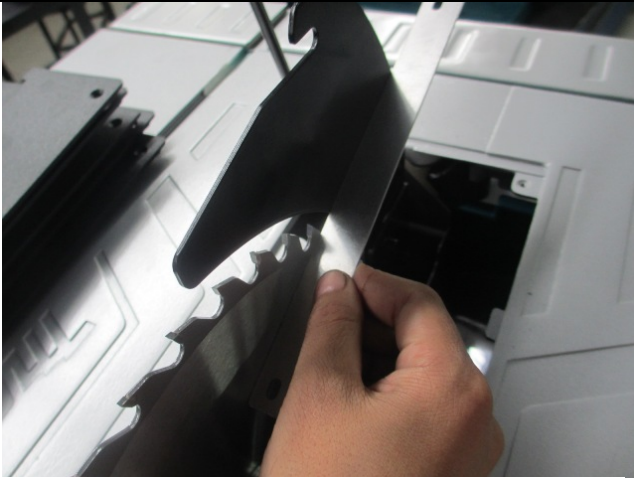
[4]Adjustment

[4]-1.Adjustment the riving knife align with the blade

(1) Use the Allen wrench to loosen the M6 bolts(6).



(2) Use the ruler to check and adjust the riving knife alignment.

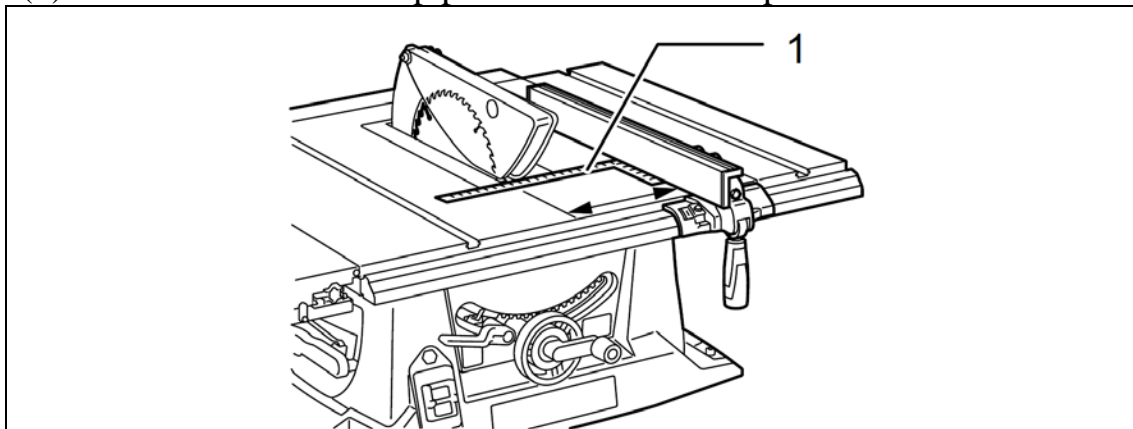


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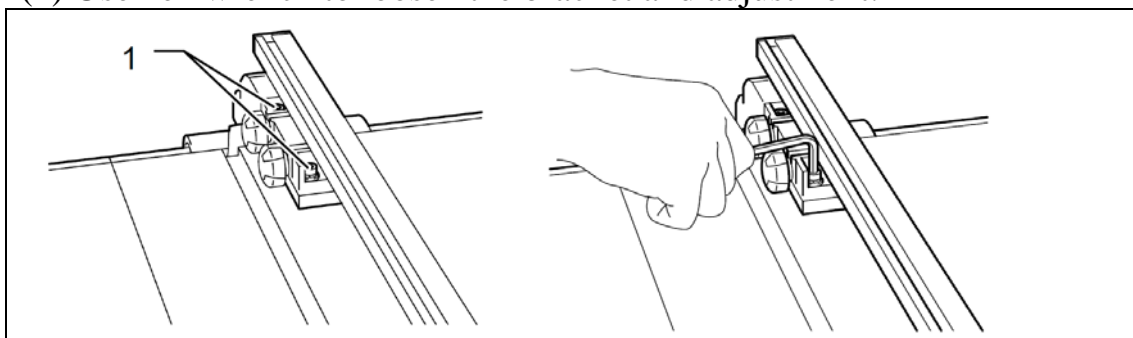
[4]ADJUSTMENT

[4]-2.Adjustment the rip fence

(1)Raise the blade to the up position and set the rip fence.



(2) Use hex wrench to loosen the bracket and adjustment.



(3)Make sue the rip fence parallel to the blade then tightening bolt.



Repair

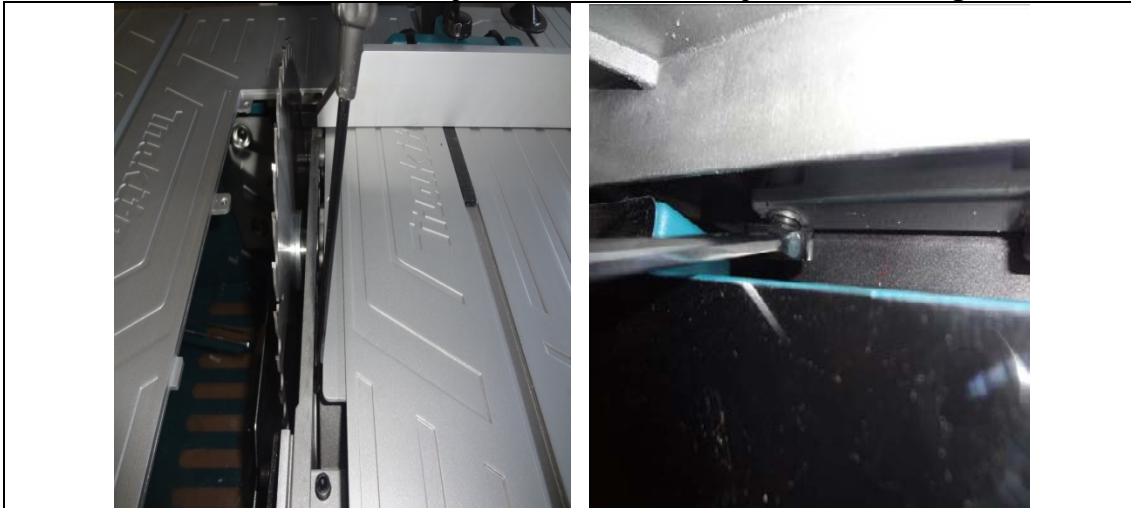
[4]ADJUSTMENT

[4]-3.Adjustment for blade parallel

(1)Remove the table insert first and loosen the two screws under the front table.



(2)Use the screw driver to adjust the frame to adjust the blade parallel, and lock the two bolts.

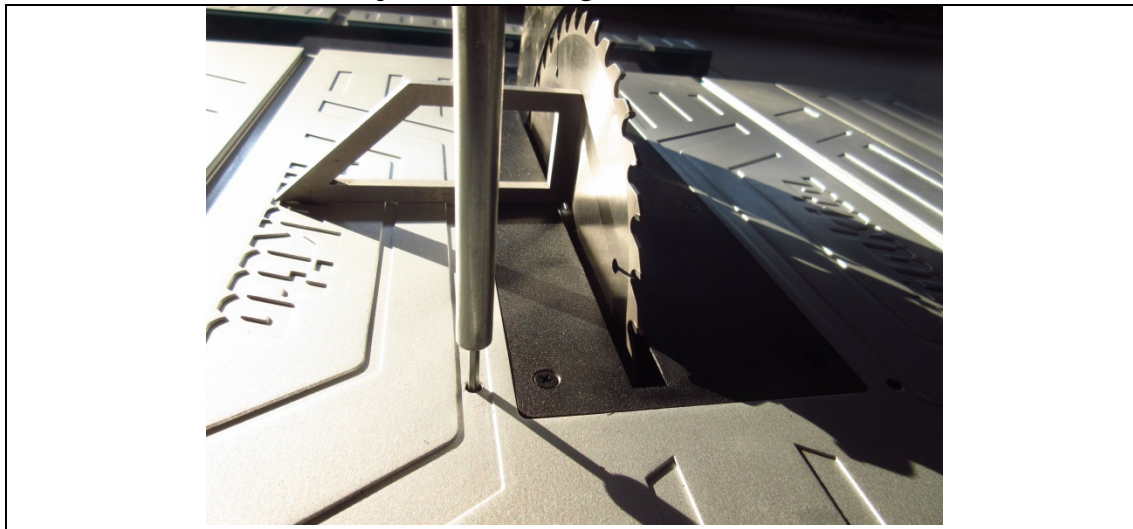


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[4]ADJUSTMENT

[4]-3.Adjustment blade bevel positive stops.

(1)Use the wrench to adjust the setting screw on the table for 90° .



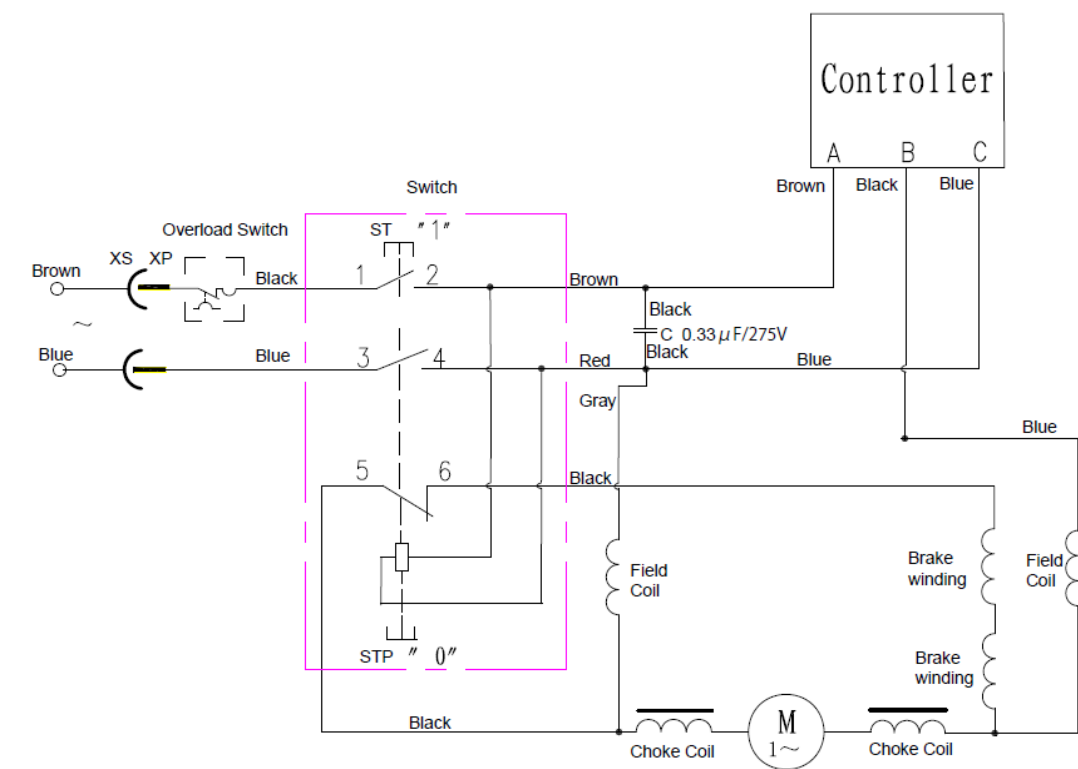
(2)Use the wrench to adjust the setting screw on the table for 45° .



Repair

[5]Circuit diagram, wiring diagram

[5]-1.220-240V/50HZ,110V/50HZ area where EMC required.



Repair

[5] Circuit diagram, wiring diagram

[5]-2.110-120V/60HZ,

