

Model No. ▶ MT925, MT925G

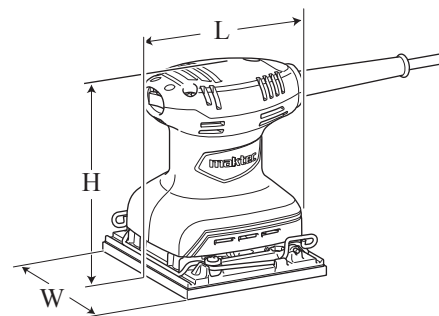
Description ▶ Finishing Sander

CONCEPT AND MAIN APPLICATIONS

Model MT925 has been developed as the cosmetic change model of **maktec** finishing sander MT920, featuring:

- Slim grip for easy horizontal and overhead applications
- Industrial performance and durability at less expense

Model MT925G is Green housing model exclusively developed for Korean market.



Dimensions: mm (")	
Length (L)	110 (4-5/16)
Width (W)	112 (4-3/8)
Height (H)	133 (5-1/4)

► Specification

Voltage (V)	Current (A)	Cycle (Hz)	Continuous Rating (W)		Max. Output (W)
			Input	Output	
110	1.7	50/60	180	25	50
120	1.6	50/60	---	25	50
220	0.9	50/60	180	25	50
230	0.9	50/60	180	25	50
240	0.8	50/60	180	25	50

Specification	Model	MT925/ MT925G
Orbits per minute: opm= min. ⁻¹		14,000
Sanding strokes: spm= min. ⁻¹		28,000
Abrasive paper size: mm (")		114 x 140 (4-1/2 x 5-1/2)
Pad size: mm (")		112 x 102 (4-3/8 x 4)
Orbit diameter: mm (")		ø1.5 (1/16)
Protection from electric shock		Double insulation
Power supply cord: m (ft)		2.0 (6.6)
Weight according to EPTA-Procedure 01/2003: kg (lbs)		0.89 (2.0)

► Standard equipment

Abrasive paper 114-60 2
 Abrasive paper 114-100 2
 Abrasive paper 114-150 2

Note: The standard equipment for the tool shown above may vary by country.

► Optional accessories

TBA

► Repair

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

[1] NECESSARY REPAIRING TOOLS

Code No.	Description	Use for
1R027	Bearing setting pipe 18-10.2	removing Armature
1R269	Bearing extractor	removing Ball bearings 629DDW, 606ZZ

[2] LUBRICATION

Lubrication is not required for this product because no gear is used for transmission.

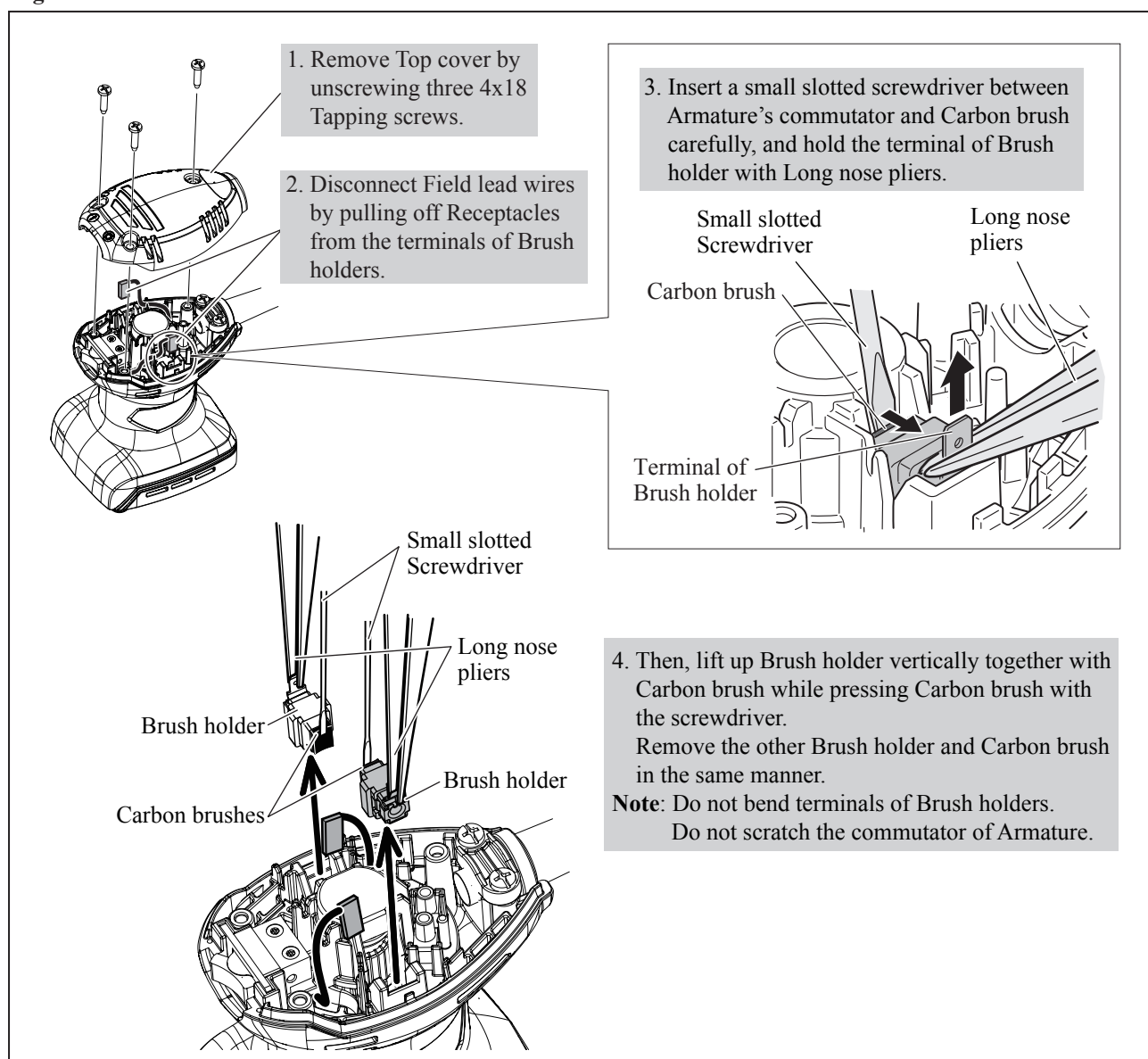
[3] DISASSEMBLY/ASSEMBLY

[3] -1. Armature

DISASSEMBLING

(1) Remove Carbon brushes and Brush holders from Motor housing as drawn in **Fig. 1**.

Fig. 1



► Repair

[3] DISASSEMBLY/ASSEMBLY

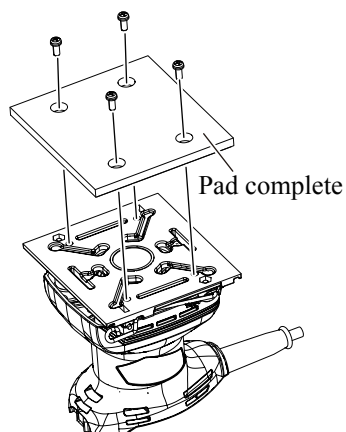
[3] -1. Armature (cont.)

DISASSEMBLING

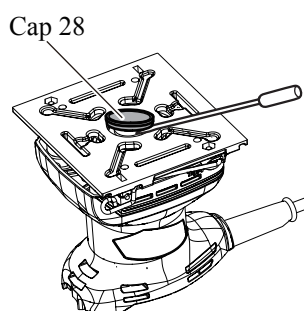
(2) Disassemble the parts in bottom section and remove Armature from Motor housing as drawn in **Fig. 2**.

Fig. 2

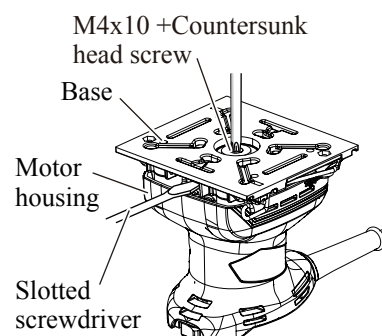
1. Remove Pad complete by unscrewing four M4x10 +Pan head screws.



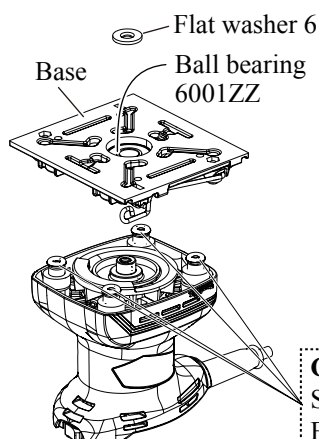
2. Remove Cap 28 by levering up with slotted screwdriver.



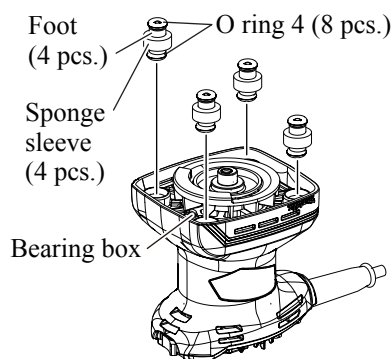
3. While holding Fan 65 by inserting slotted screwdriver from the gap between Motor housing and Base, remove M4x10 +Countersunk head screw.



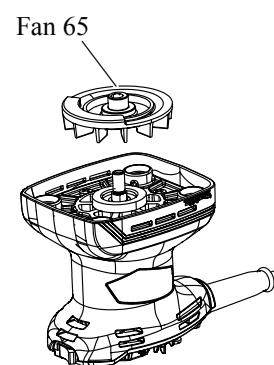
4. After removing Flat washer 6, Base is removed together with Ball bearing 6001ZZ.



5. Remove Sponge sleeves and Foots with O rings 4 from Bearing box.

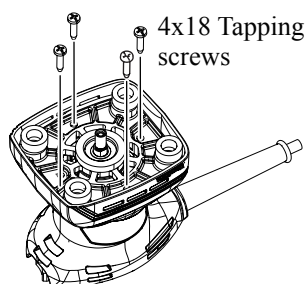


6. Remove Fan 65 from Armature shaft.

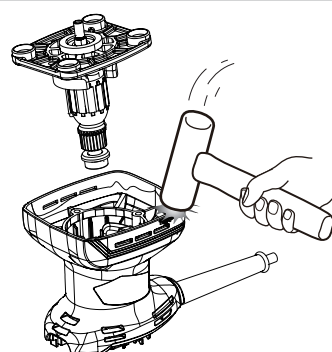


Caution:
Sponge sleeves, Foots and O rings may be left to Base.
Be careful not to lose them when Base is turned upside down.

7. Remove four 4x18 Tapping screws that fasten Bearing box to Motor housing.



8. Disassemble Armature assembly and Bearing box from Motor housing by tapping the skirt portion of Motor housing with plastic hammer.



► Repair

[3] DISASSEMBLY/ASSEMBLY

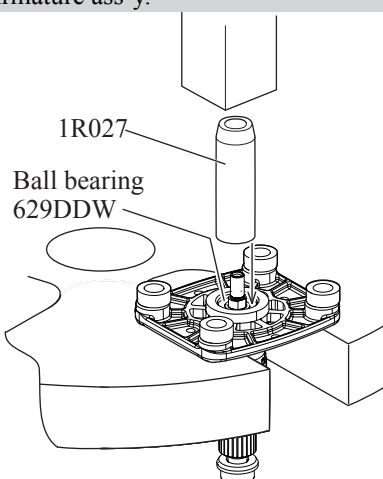
[3] -1. Armature (cont.)

DISASSEMBLING

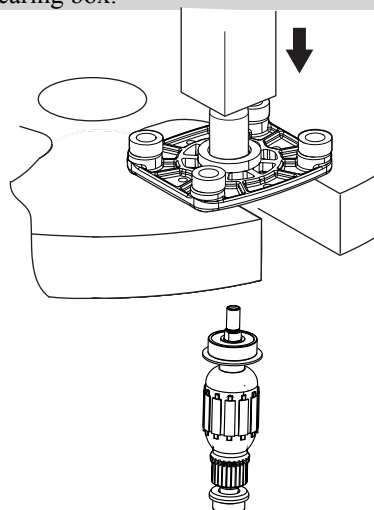
(3) Separate Armature assembly from Bearing box and remove Ball bearings from Armature shaft as drawn in **Fig. 3**.

Fig. 3

1. Hold Bearing box at the U-formed portion on the turn table of Arbor press. And then put 1R027 onto Ball bearing 629DDW of Armature ass'y.



2. Press Ball bearing 629DDW with 1R027. Armature ass'y is now removed from Bearing box.



3. Remove Ball bearings from Armature shaft using 1R269 and Water pump pliers.

Note: There are little space between Ball bearing 606ZZ and Insulation washer (**Fig. 3-A**) / Ball bearing 629DDW and Washer 9 (**Fig. 3-B**).

Therefore, hold the jaws of 1R269 with Water pump pliers to retain Ball bearing securely.

Temporarily tighten M4x18 Pan head screw to Armature shaft to protect the female thread when removing Ball bearing 629DDW (**Fig. 3-B**).

Fig. 3-A

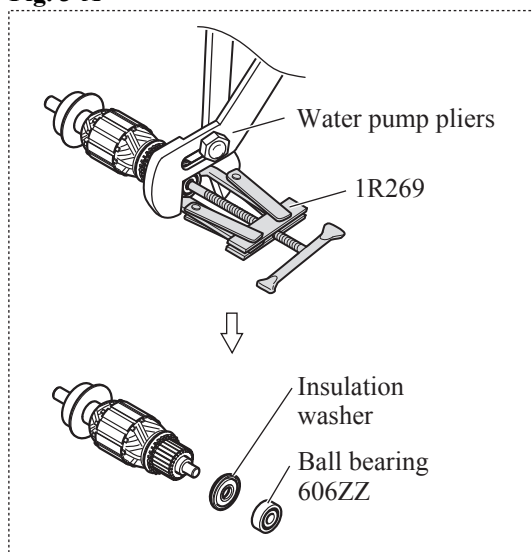
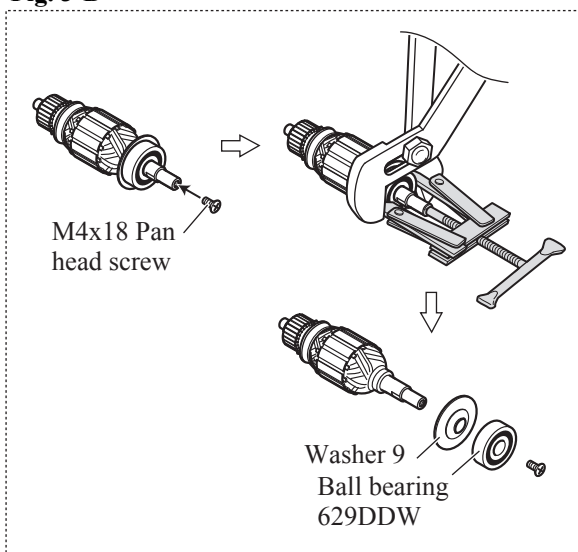


Fig. 3-B



► Repair

[3] DISASSEMBLY/ASSEMBLY

[3] -1. Armature (cont.)

ASSEMBLING

Assemble by reversing disassembly procedure. (Refer to **Figs. 3** and **2**)

Fig. 4

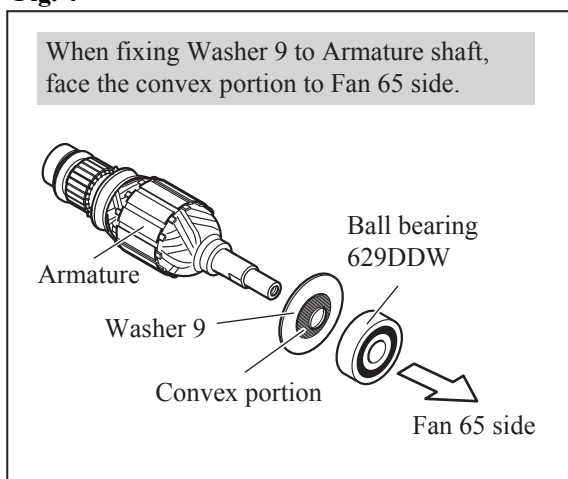
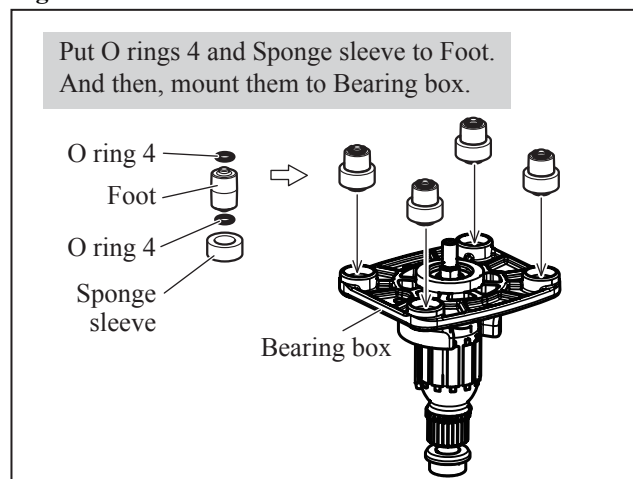


Fig. 5



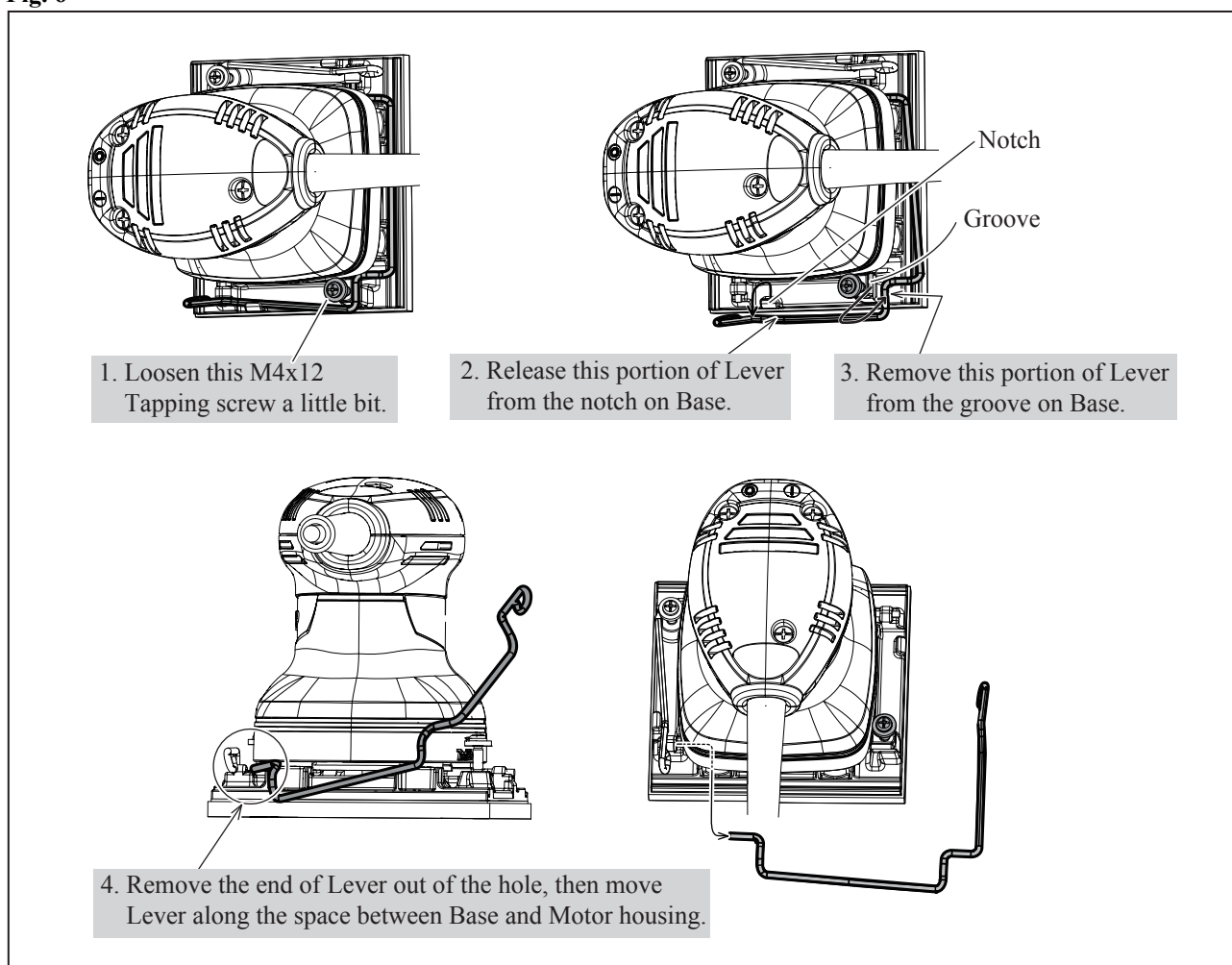
[3] DISASSEMBLY/ASSEMBLY

[3] -2. Lever (for Clamping Abrasive Paper)

DISASSEMBLING

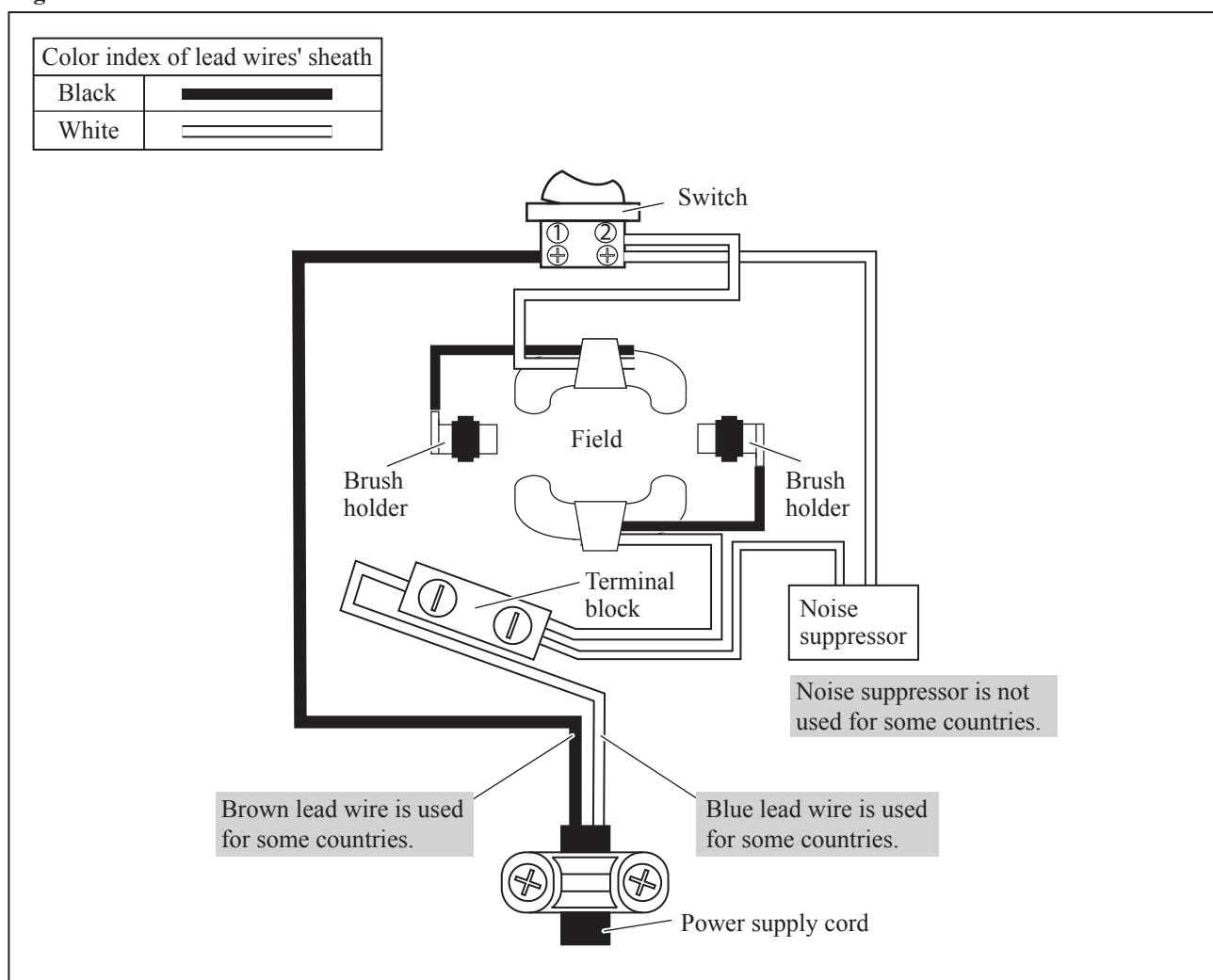
Lever (=paper clamp) can be replaced without removing Base from the machine as drawn in **Fig. 6**.

Fig. 6



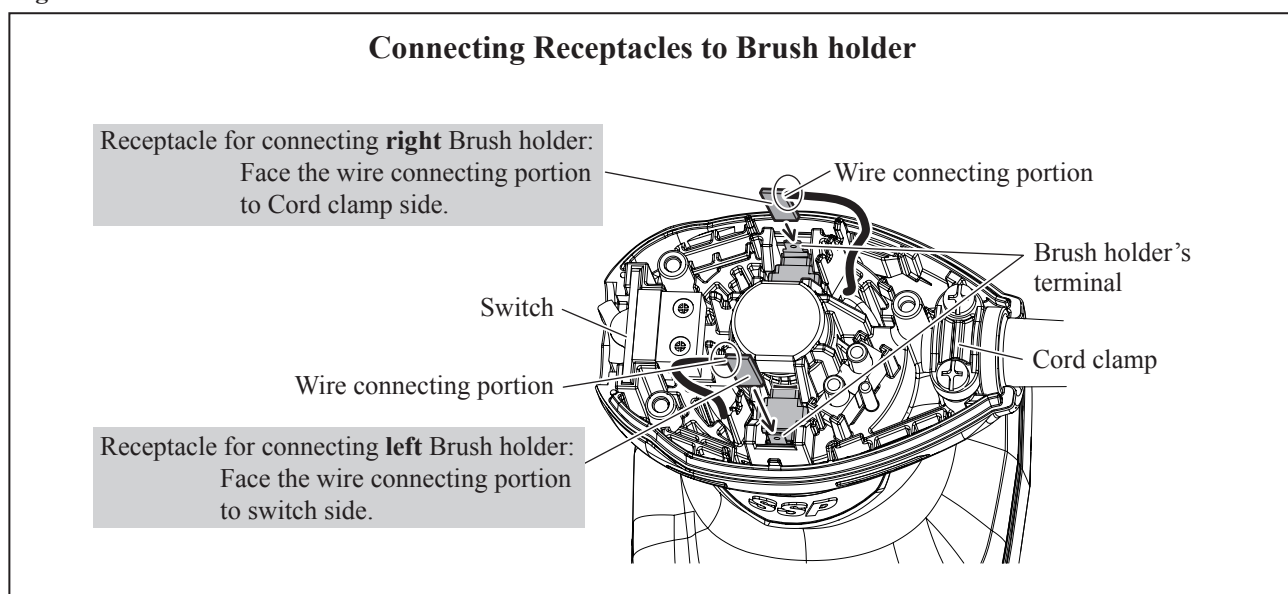
► Circuit diagram

Fig. D-1



► Wiring diagram

Fig. D-2



► Wiring diagram

Fig. D-3

