

Models No. ▶ RP1110C and RP0910

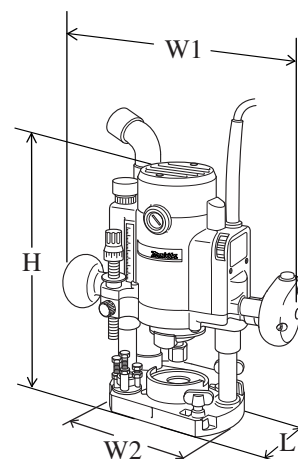
Description ▶ 8mm Router (Plunge type)

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CONCEPTION AND MAIN APPLICATIONS

Model RP1110C and RP0910 are Makita's first 1000W class professional 8mm plunge routers. Compared with Elu #OF97E, they are more compact and easier to handle.

Model RP1110C (1100W) with electronic controller and
Model RP0910 (900W) without electronic controller.



| Dimensions for RP1110C and RP0910 : mm (") | |
|--|--------------|
| Width (W1) | 269 (10-5/8) |
| Width (W2) | 150 (5-7/8) |
| Height (H) | 260 (10-1/4) |
| Length (L) | 110 (4-5/16) |

► Specification

| Voltage (V) | Current (A) | | Cycle (Hz) | Continuous Rating (W) | | | | Max. Output(W) | |
|-------------|-------------|--------|------------|-----------------------|--------|---------|--------|----------------|--------|
| | RP1110C | RP0910 | | Input | | Output | | | |
| | | | | RP1110C | RP0910 | RP1110C | RP0910 | RP1110C | RP0910 |
| 100 | 12 | 9.5 | 50 / 60 | 1,100 | 900 | 710 | 620 | 1,500 | 1,100 |
| 110 | 10 | 8.6 | 50 / 60 | 1,100 | 900 | 710 | 620 | 1,500 | 1,100 |
| 220 | 5.3 | 4.3 | 50 / 60 | 1,100 | 900 | 710 | 620 | 1,500 | 1,100 |
| 230 | 5.0 | 4.1 | 50 / 60 | 1,100 | 900 | 710 | 620 | 1,500 | 1,100 |
| 240 | 4.8 | 3.9 | 50 / 60 | 1,100 | 900 | 710 | 620 | 1,500 | 1,100 |
| | | | | | | | | | |

| Model No. | RP1110C | RP0910 |
|--------------------------------|------------------------|------------------------|
| No load speed: (min - max rpm) | 8,000 - 24,000 | 27,000 |
| Plunge capacity : mm (") | 0 - 57 (2-1/4) | 0 - 57 (2-1/4) |
| Collet capacity : mm (") | 8 (5/16) or 6.35 (1/4) | 8 (5/16) or 6.35 (1/4) |
| Protection from electric shock | Double insulation | Double insulation |
| Cord length : m (ft.) | 4.0 (13.1) | 4.0 (13.1) |
| Net weight | 3.4 (7.5) | 3.3 (7.3) |

► Standard equipment

Straight guide..... 1 pc.
Wrench 8 1 pc.
Wrench 17 1 pc.
Templet guide 12 1 pc.
Dust nozzle assembly...1 pc.
Nozzle assembly..... 1 pc.

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

► Optional accessories

Various router bits,
Collet cone 6,
Collet cone 8,
Collet cone 6.35mm
Hose 28

► Features and benefits

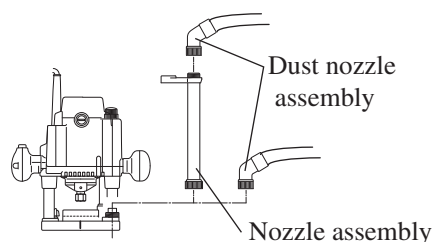
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RP1110C and RP0910

With electronic controller: RP1110C (1100W)
Without electronic controller: RP0910 (900W)
Powerful motor allows use of larger cutter.
Model RP1110C has soft start feature for smoother start-ups.

Compact design for precise routing work

Dust nozzle;
Dust collector can be connected to both upper part and lower part of motor housing.



Durable cord guard
Excellent in flexibility to protect power supply cord from disconnection

Speed control dial (only for PR1110C)
For getting optimal speed to match the materials.

Switch with lock off / lock on button
Lock off button to prevent accidental start
Lock on button for continuous operation

Adjusting knob for fine cutting depth adjustment

Rigid aluminum bracket

Shaft lock
for easy bit changing

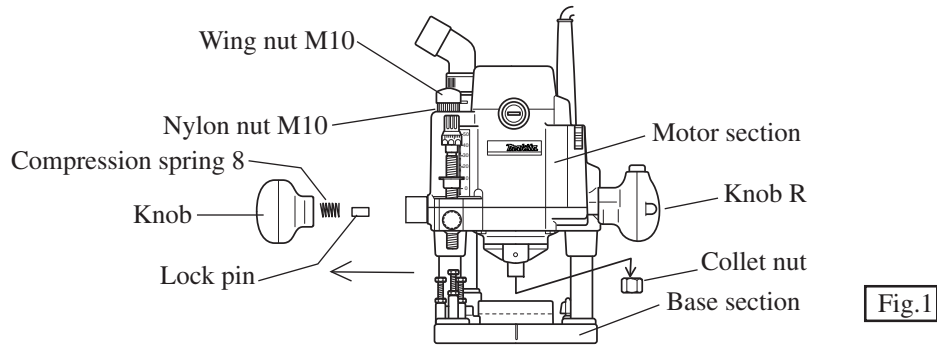
8mm (5/16") collet cone

► Comparison of products

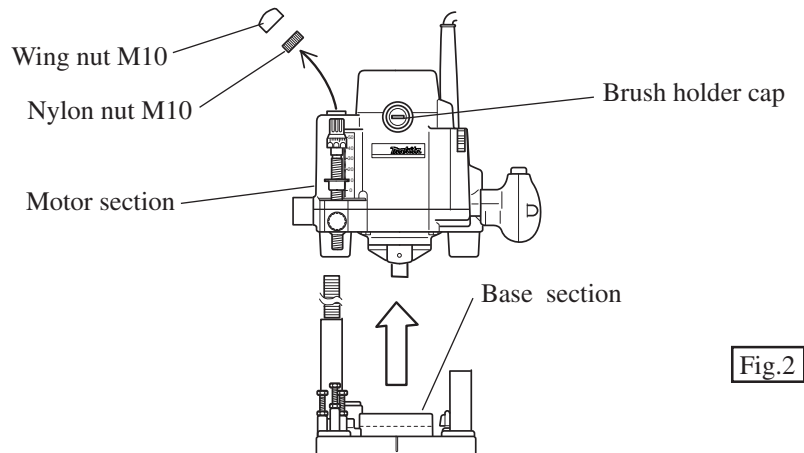
| | with electronic controller | | | without electronic controller | | |
|-------------------------------|--|---|---|--|---|---|
| | MAKITA | Competitor A | Competitor B | MAKITA | Competitor A | Competitor B |
| Model No. | RP1110C | Model A-1 | Model B-1 | RP0910 | Model A-2 | Model B-2 |
| Input (W) | 1,100 | 1,100 | 900 | 900 | 900 | 720 |
| No Load Speed : rpm.=min-1 | 8,000 - 24,000 | | 10,000 - 22,000 | 27,000 | 24,000 | 26,500 |
| Collet capa.(mm) | 6 - 8 (1/4" - 5/16") | | | | | |
| Plunge capa.(mm) | 57(2-1/4") | 55 (2-3/16") | 55 (2-3/16") | 57 (2-1/4") | 55(2-3/16") | 55 (2-3/16") |
| Lock-on switch | Yes | Yes | Yes | Yes | Yes | Yes |
| Lock-off switch | Yes | Yes | No | Yes | Yes | No |
| Net Weight (kg) | 3.4 (7.5lbs) | 3.8 (8.4lbs) | 2.7 (6.0lbs) | 3.3 (7.3lbs) | 3.8 (8.4lbs) | 2.7 (6.0lbs) |
| Standard Equipment | Straight guide Templet guide Wrench 17 Wrench 8 | Straight guide Templet guide Wrench Vacuum adapter | Straight guide Templet guide Wrench | Straight guide Templet guide Wrench 17 Wrench 8 | Straight guide Templet guide Wrench Vacuum adapter | Straight guide Templet guide Wrench |

< 1 > Repairing armature

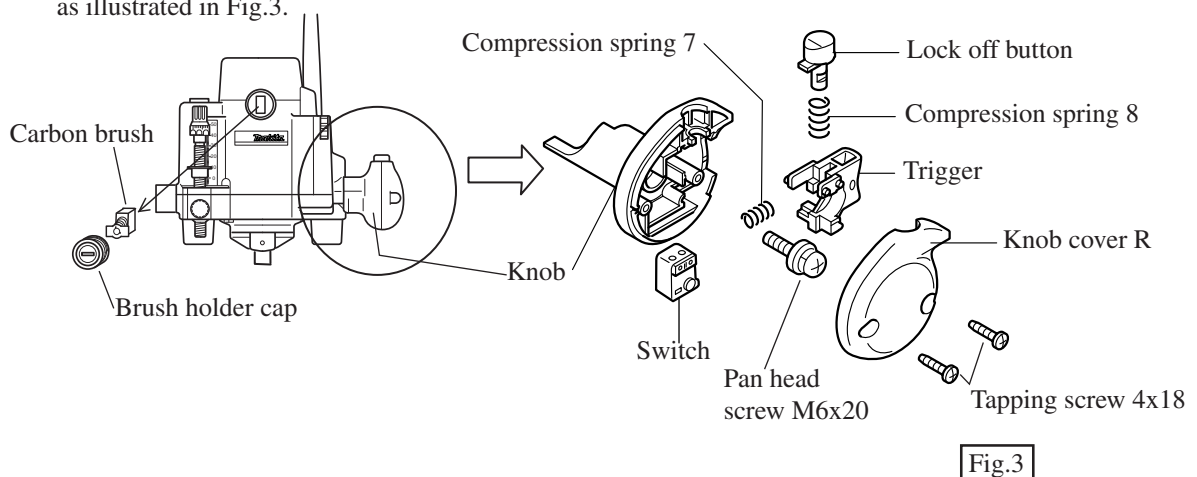
- (1) Remove router bit, collet nut and stopper pole.
- (2) Remove knob (without switch trigger, lock off/on button) by turning it anti-clockwise.
Compression spring 8 is to be removed automatically together with the knob.
Also lock pin has to be taken off from the threaded hole for knob. See Fig.1.



- (3) Separate motor section from base section after taking off wing nut M10 and nylon nut M10.



- (4) Take off brush holder cap and carbon brush.
- (5) Remove knob cover R by taking off 2 pcs. of tapping screw 4x18.
Pay attention, not to lose compression spring which may spring out from the knob, when removing the knob cover.
- (6) Take off lock off button, trigger and switch from the knob R.
- (7) Remove knob R from motor section by taking off pan head screw M6x20 as illustrated in Fig.3.



► Repair

- (8) Remove retainer cover by taking off 2 pcs. of pan head screw M4x18 as illustrated in Fig.4.
(9) Separate motor bracket section from motor section by taking off 4 pcs. of tapping screw 5x35 as illustrated in Fig.4.

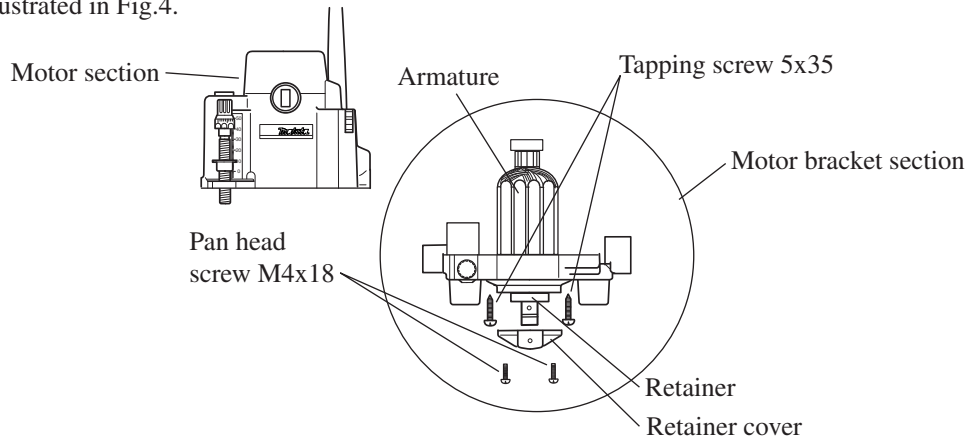


Fig.4

- (10) Set armature in No.1R039 armature holder, and hold the armature holder with vise as illustrated in Fig.5. Remove retainer with spanner 32 or monkey wrench from armature shaft by turning anti-clockwise.

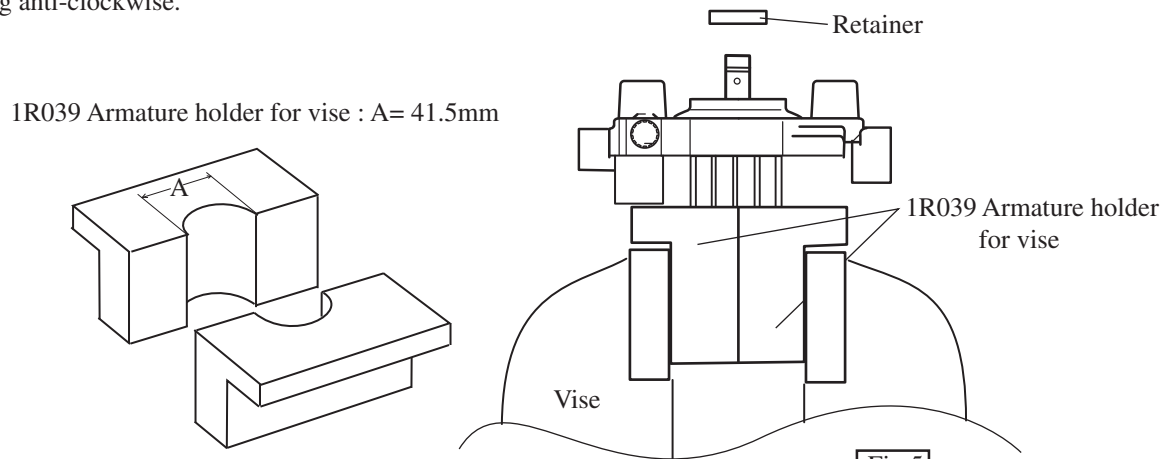


Fig.5

- (11) Hold motor bracket steadily. Remove the armature by pressing its shaft with arbor press.

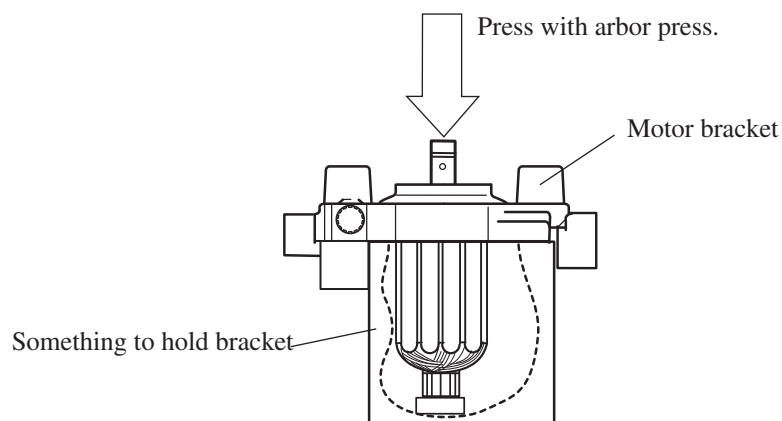
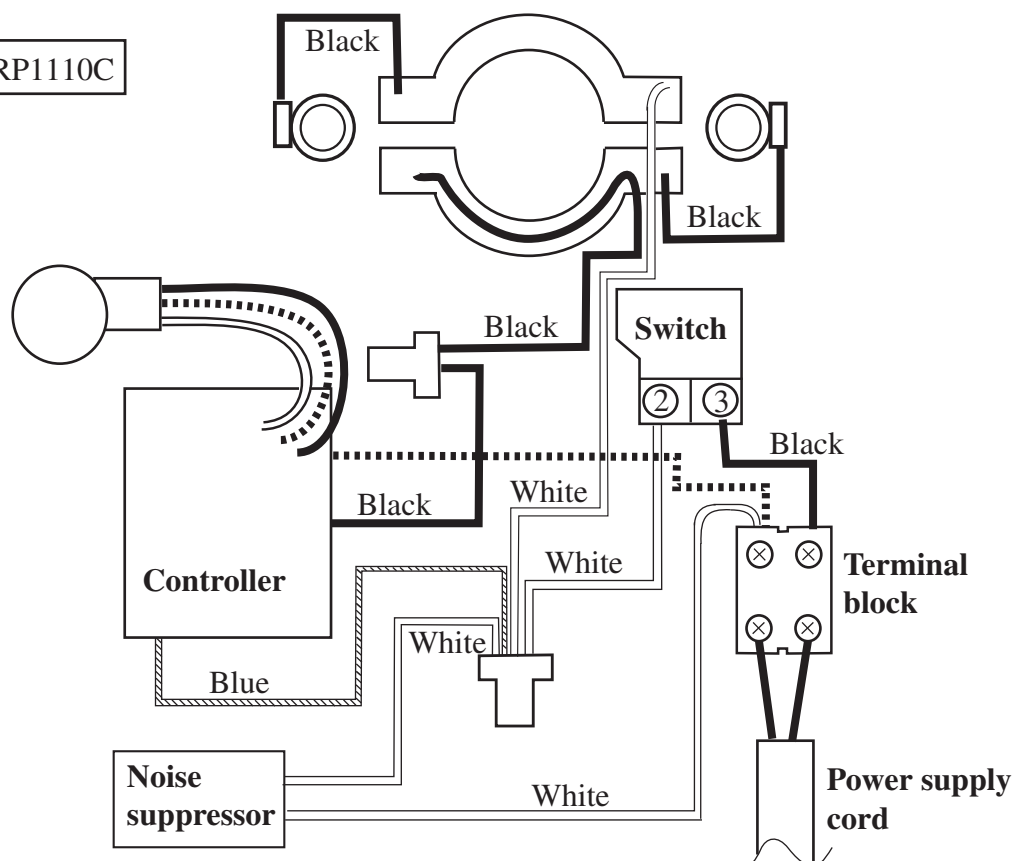


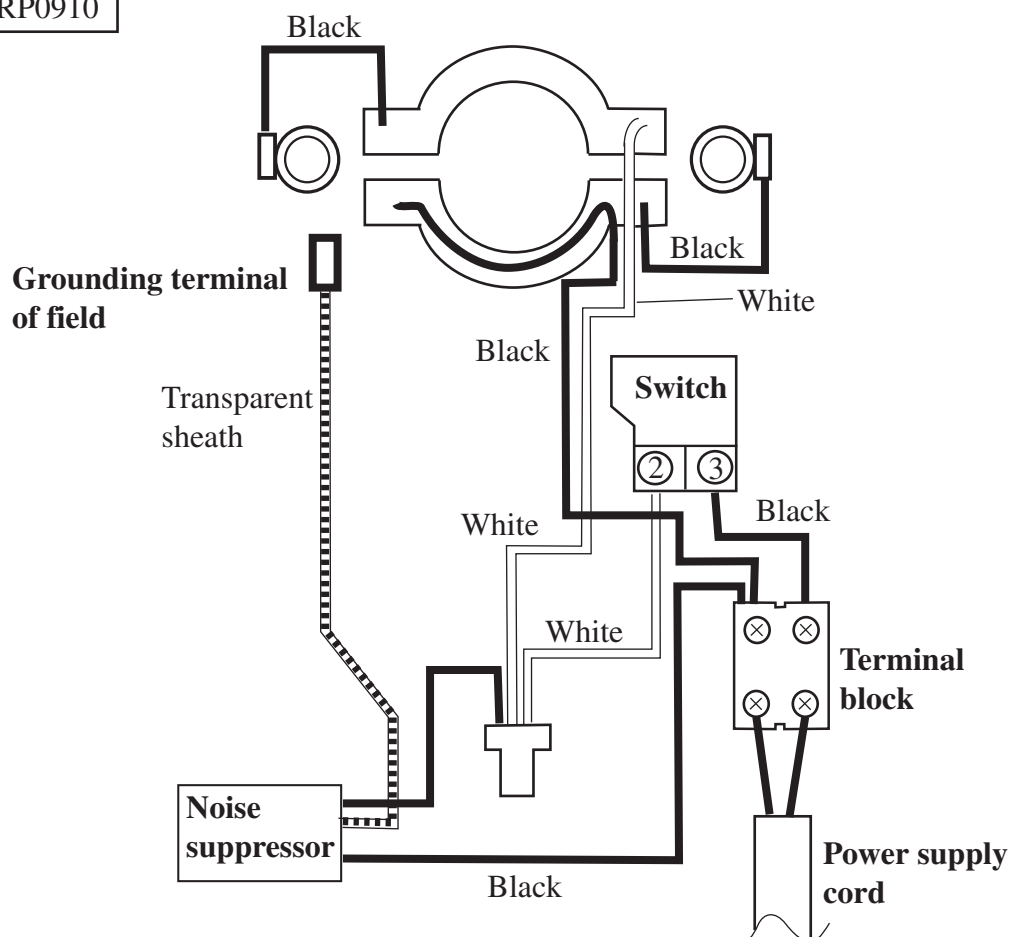
Fig.6

Model RP1110C



< Note > Noise suppressor is not used in some countries.

Model RP0910



< Note > Noise suppressor is not used in some countries.

Model RP1110C

A : View from top

Pass lead wire of controller between boss and rib.

Boss

Pass lead wire of support (field) and the same of controller, in the groove.

Rib

Controller

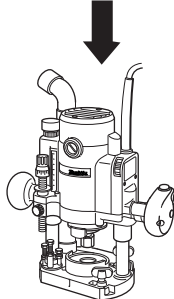
Boss

Pass lead wire of controller between boss and rib.

Put insulated terminal and slacked lead wires in this place as per the illustration.

Sponge

A : View from top



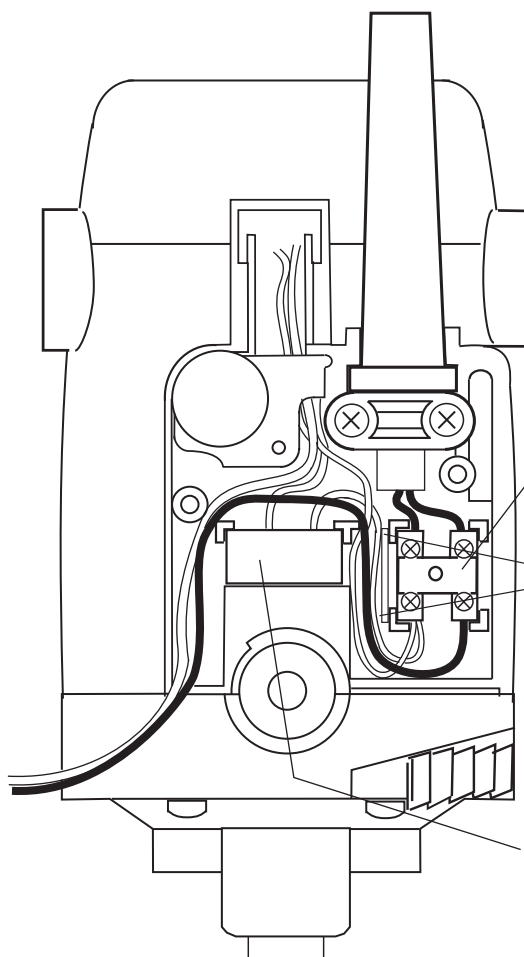
B : View from knob R side

Sponge for dust protector installed in knob R

Pass lead wires to be connected to switch, as per the illustration.

Lock off button

B : View from knob R side

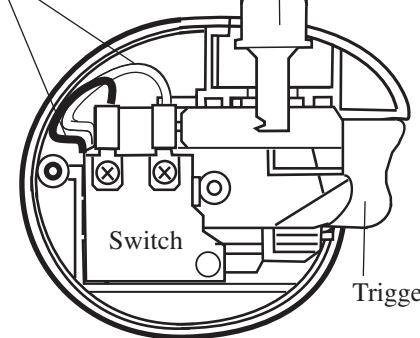


Terminal block

Fix lead wires to be connected to terminal block, with lead holder. And set the lead wires of noise suppressor inside of the machine (armature side), when fixing them with lead holder.

Noise suppressor

Cover noise suppressor with sponge and set its lead wires in side of the machine (armature side).



Wiring in knob R

Switch

Trigger

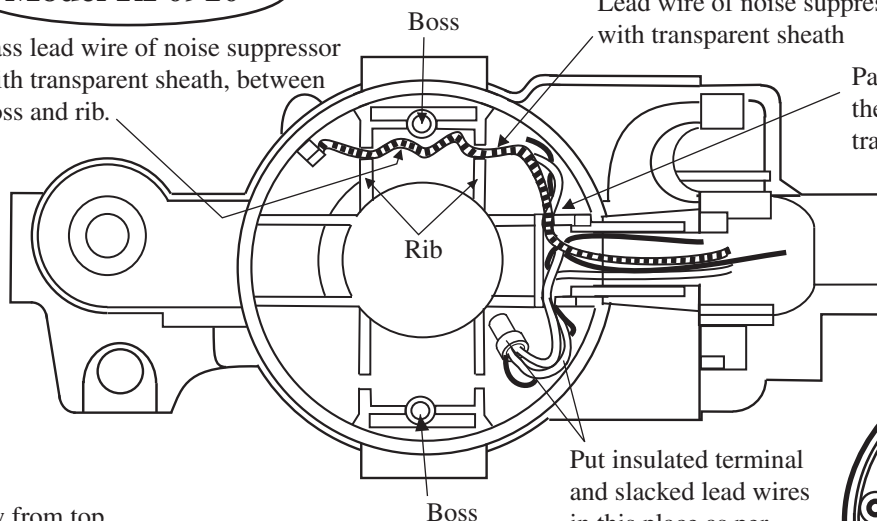
Model RP0910

A : View from top

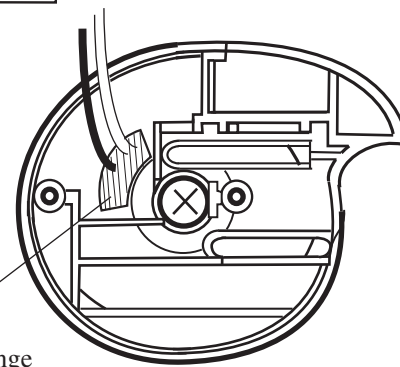
Pass lead wire of noise suppressor with transparent sheath, between boss and rib.

Lead wire of noise suppressor with transparent sheath

Pass lead wire of support (field) and the same of noise suppressor with transparent sheath, in the groove.

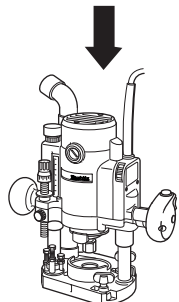


Put insulated terminal and slacked lead wires in this place as per the illustration.



Sponge for dust protector installed in knob R

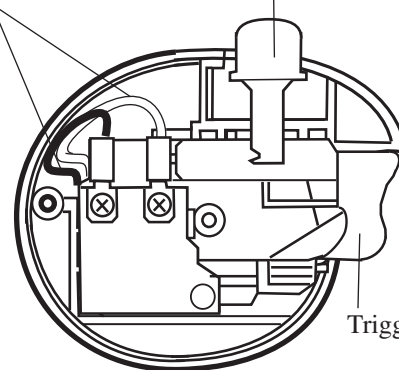
A : View from top



B : View from knob R side

Pass lead wires to be connected to switch, as per the illustration.

Lock off button

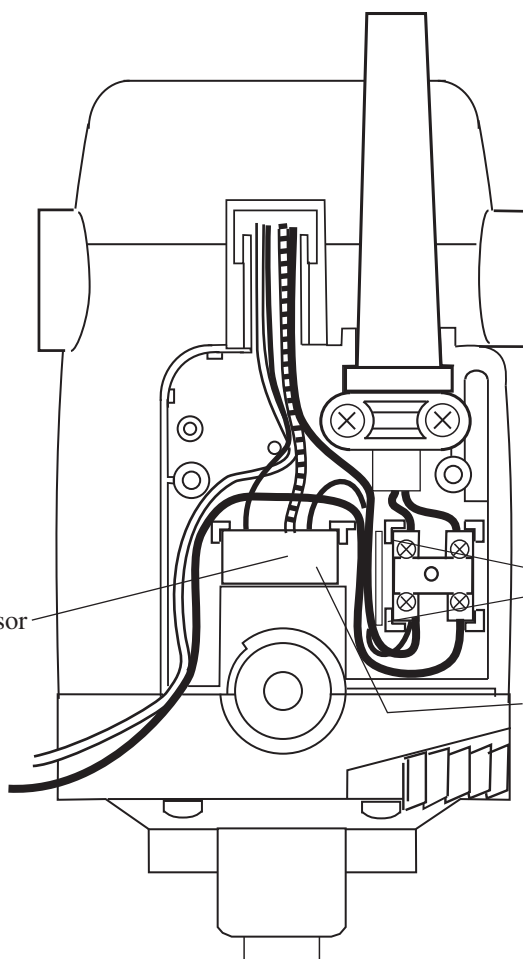


Trigger

Wiring in knob R

B : View from knob R side

Noise suppressor



Fix lead wires to be connected to terminal block, with lead holder. And set the lead wires of noise suppressor inside of the machine (armature side), when fixing them with lead holder.

Set noise suppressor as per the illustrated position. When noise suppressor without grounding wire (covered with transparent sheath) is used, cover the noise suppressor with sponge.