

TECHNICAL INFORMATION

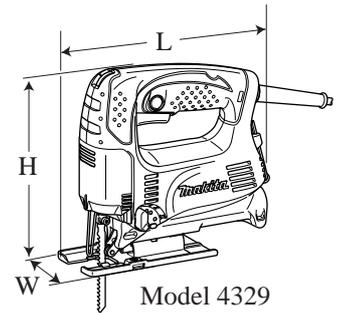


PRODUCT

P 1 / 7

Model No. ▶ 4326, 4326M, 4327, 4327M, 4328, 4329, M438, M439

Description ▶ Jig Saw



CONCEPT AND MAIN APPLICATIONS

These models have been developed as the successor models of 4322 series. In addition to the advantages of the predecessor models, 4326 series models feature the following benefits:

- 450W continuous rating input
- New exterior design and ergonomic handle with rubberized soft grip
- Change lever for 3 orbital settings and straight cutting (4328, 4329 and M439 only)

Dimensions: mm (")		
Length (L)	with steel plate base	217 (8-1/2)
	with aluminum base	223 (8-3/4)
Width (W)		77 (3)
Height (H)		197 (7-3/4)

Specification

Voltage (V)	Current (A)	Cycle (Hz)	Continuous Rating (W)		Max. Output (W)
			Input	Output	
110	4.3	50/60	450	270	420
120	3.9	50/60	---	270	420
220	2.2	50/60	450	270	420
230	2.1	50/60	450	270	420
240	2.0	50/60	450	270	420

Specification \ Model	4326	4326M	4327	4327M	M438	4328	4329	M439
No load speed: strokes per min.	3,100		500 - 3,100					
Length of stroke: mm (")	18 (11/16)							
Shank type	B-type	Makita-type	B-type	Makita-type	B-type*1	B-type		
Capacities: mm (")	with B-type blade: 65 (2-9/16), with Makita type blade: 40 (1-1/2)							
	6 (1/4)							
Cut settings	Straight cutting					3 Orbital settings + Straight cutting		
Variable speed control by dial	No		Yes					
Material of base	Steel plate*2	Steel plate	Steel plate*2	Steel plate	Steel plate*2	Steel plate	Aluminum	
Housing color	Makita-blue				Natural green	Makita-blue		Natural green
Toolless blade change	No							
Connectable to vacuum	Yes							
Double insulation	Yes							
Power supply cord: m (ft)	2.0 (6.6)							
Net weight: kg (lbs)	with steel plate base: 1.8 (4.0) with aluminum base: 1.9 (4.2)							

*1: Model M438 is also available with Makita-type shank.

*2: Models 4326, 4327 and M438 are also available with aluminum base.

Standard equipment

4326, 4327, 4328, 4329, M439 **4326M, 4327M, M438**
 Jig saw blade No. B-10 ... 1 pc Jig saw blade No.10 1 pc
 Hex wrench 3 1 pc Hex wrench 3 1 pc

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

Optional accessories

Guide rule set Hose 28-1.5 Jig saw blades
 Kerf board Hose 28-3.0 Plastic carrying case

► Repair

CAUTION: Unplug the machine and remove the jig saw blade from the machine for safety before repair/ maintenance in accordance with the instruction manual!

[1] NECESSARY REPAIRING TOOLS

Code No.	Description	Use for
1R269	Bearing extractor	Removing Bearing case complete from Armature ass'y
		Removing Ball bearings 627LLB and 608DDW
1R291	Retaining ring S and R pliers	Removing retaining rings

[2] LUBRICATION

Apply 7g in total of Makita grease N. No.1 to the portions designated with gray arrows and a little amount of that to the portions designated with the white arrows to protect parts and product from unusual abrasion.

Fig. 1 (4326, 4326M, 4327, 4327M, M438)

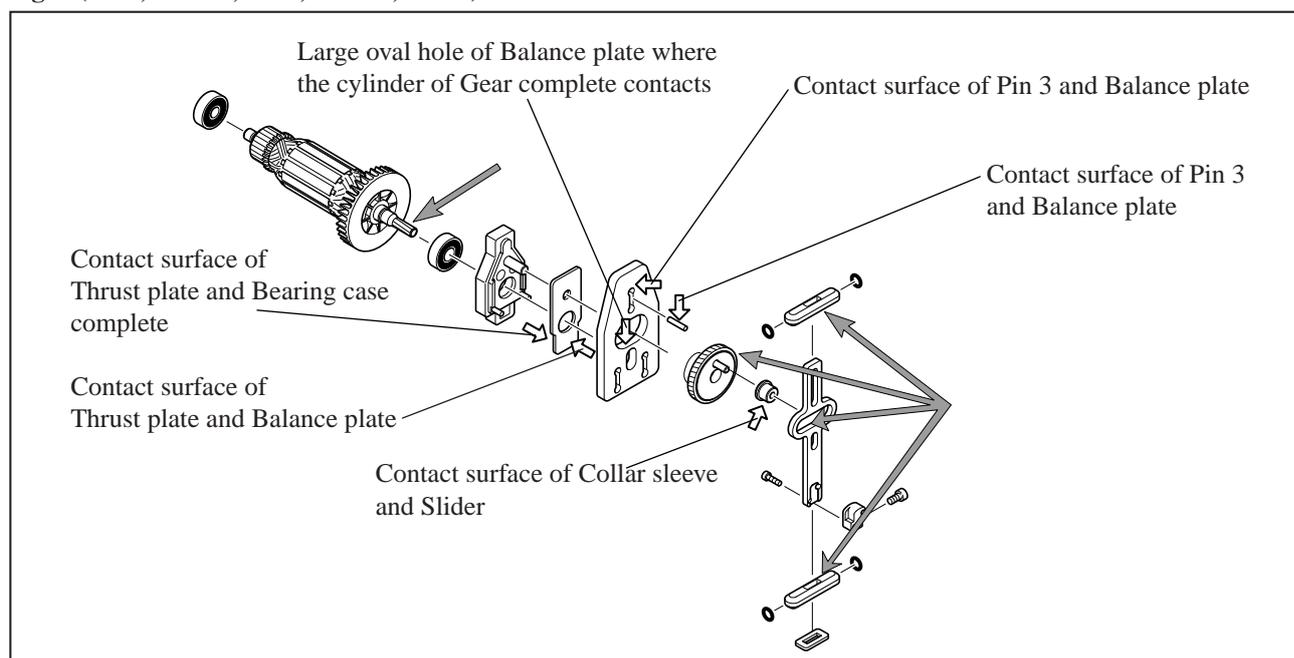
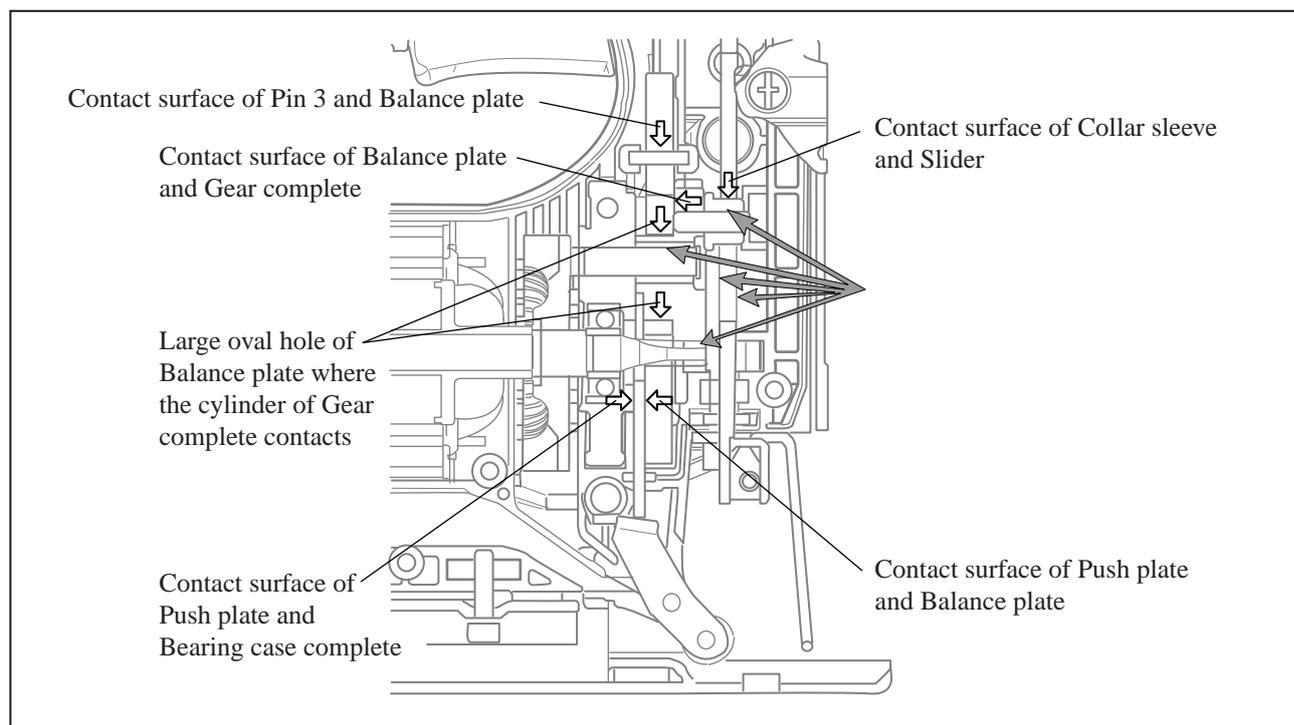


Fig. 2 (4328, 4329, M439)

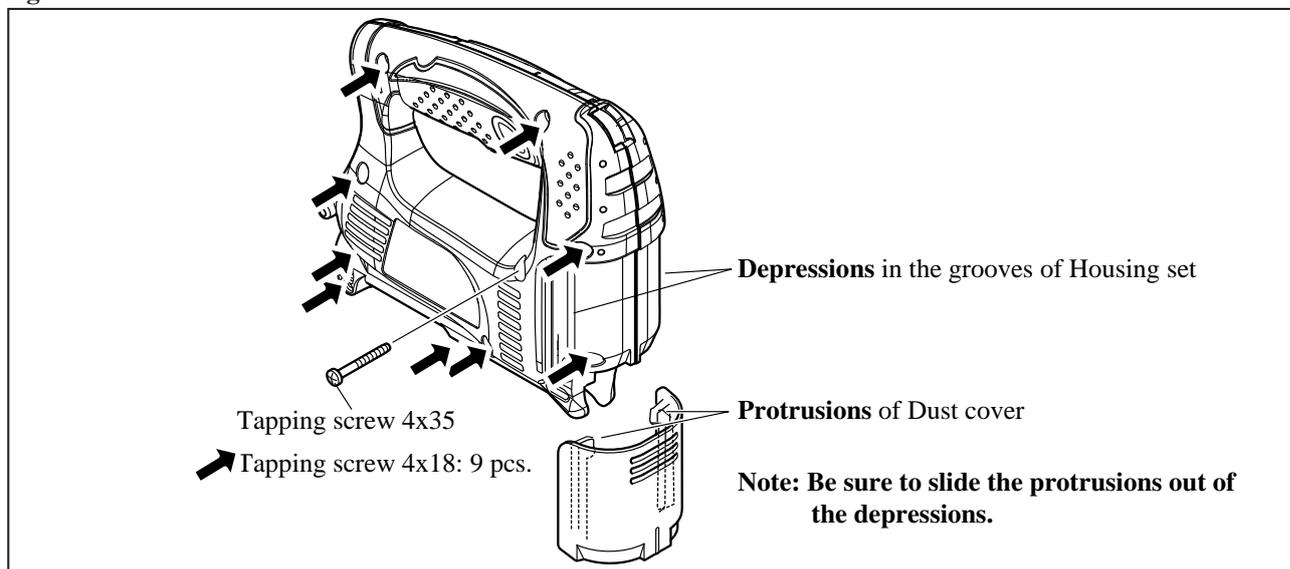


► Repair

[3] Disassembling of Housing R

- 1) Remove Base and M4x16 Hex. socket head bolt using Hex. wrench 3 (Standard accessory).
- 2) Slide the the protrusions of Dust cover and remove Dust cover from Housing set. (Fig. 3)
- 3) Remove nine 4x18 Tapping screws and one 4x35 Tapping screw. Housing R can be removed. (Fig. 3)

Fig. 3

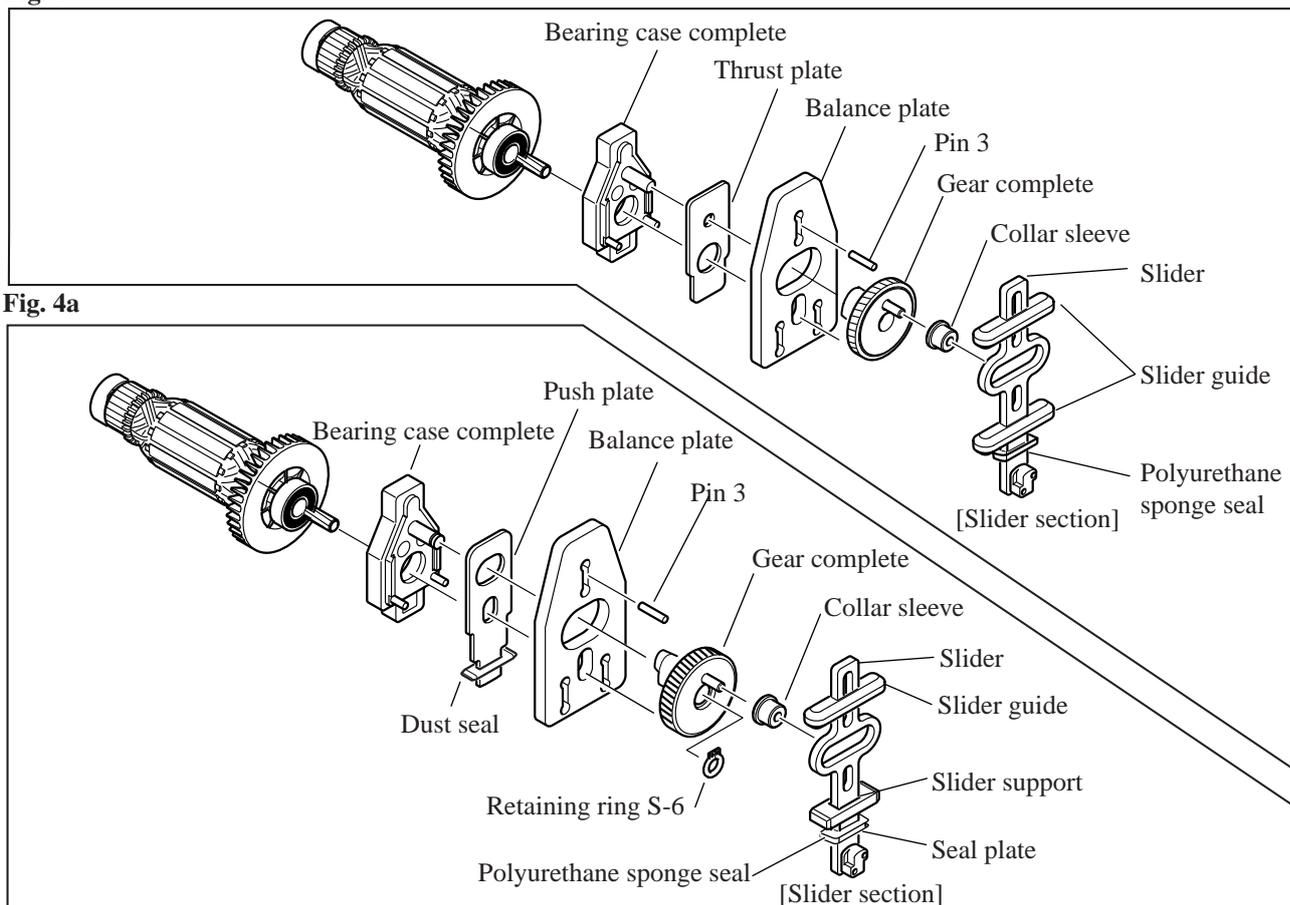


[4] Disassembling Gear Section

Refer to **Figs. 4** (4326, 4326M, 4327, 4327M, M438) and **4a** (4328, 4329, M439).

- 1) Remove Slider section from Collar sleeve.
- 2) Remove Collar sleeve from Gear complete. As for 4326, 4326M, 4327, 4327M and M438, Bearing case complete, Thrust plate and Gear complete can be removed in this step.
- 3) As for 4328, 4329 and M439, remove Retaining ring S-6 from the pin of Bearing case complete using 1R291. Bearing case complete, Push plate, Balance plate and Gear complete can be removed.

Fig. 4



► Repair

[5] Assembling Gear Section

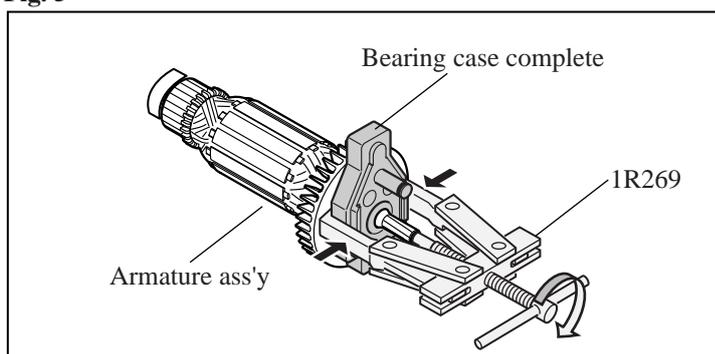
Refer to **Figs. 4 and 4a**.

- 1) Assemble Armature ass'y to Bearing case complete.
- 2) As for 4326, 4326M, 4327, 4327M and M438, mount Thrust plate on Bearing case complete. (**Fig. 4**)
As for 4328, 4329 and M439, after inserting Thrust plate to Dust seal, mount them on Bearing case complete. (**Fig. 4a**)
- 3) Connect Armature shaft gear and the pin of Bearing case complete to Gear complete through the holes of Balance plate.
As for 4328, 4329 and M439, fit Retaining ring S-6 into the groove of the pin of Bearing case complete using 1R291.
- 4) Face the collar side of Collar sleeve to Gear complete, and mount Collar sleeve on Gear complete.
- 5) Put Collar sleeve into the hole of Slider section after assembling the components.

[5] Removing Armature ass'y

Remove Armature ass'y from Bearing case complete using 1R269 as illustrated in **Fig. 5**.

Fig. 5

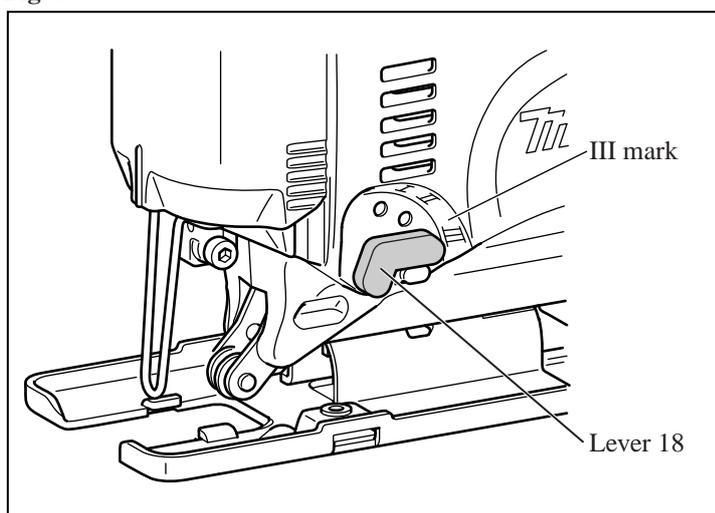


[6] Removing Lever 18 (only for 4328, 4329 and M439)

Refer to **Fig. 6**.

- 1) Remove Stop ring E-4 behind Lever 18 using a slotted screwdriver.
- 2) Align Lever 18 with III mark on Housing set and pull out Lever 18.
Steel ball 4 and Compression spring 4 can be removed.

Fig. 6



► Repair

[7] Assembling Housings R and L

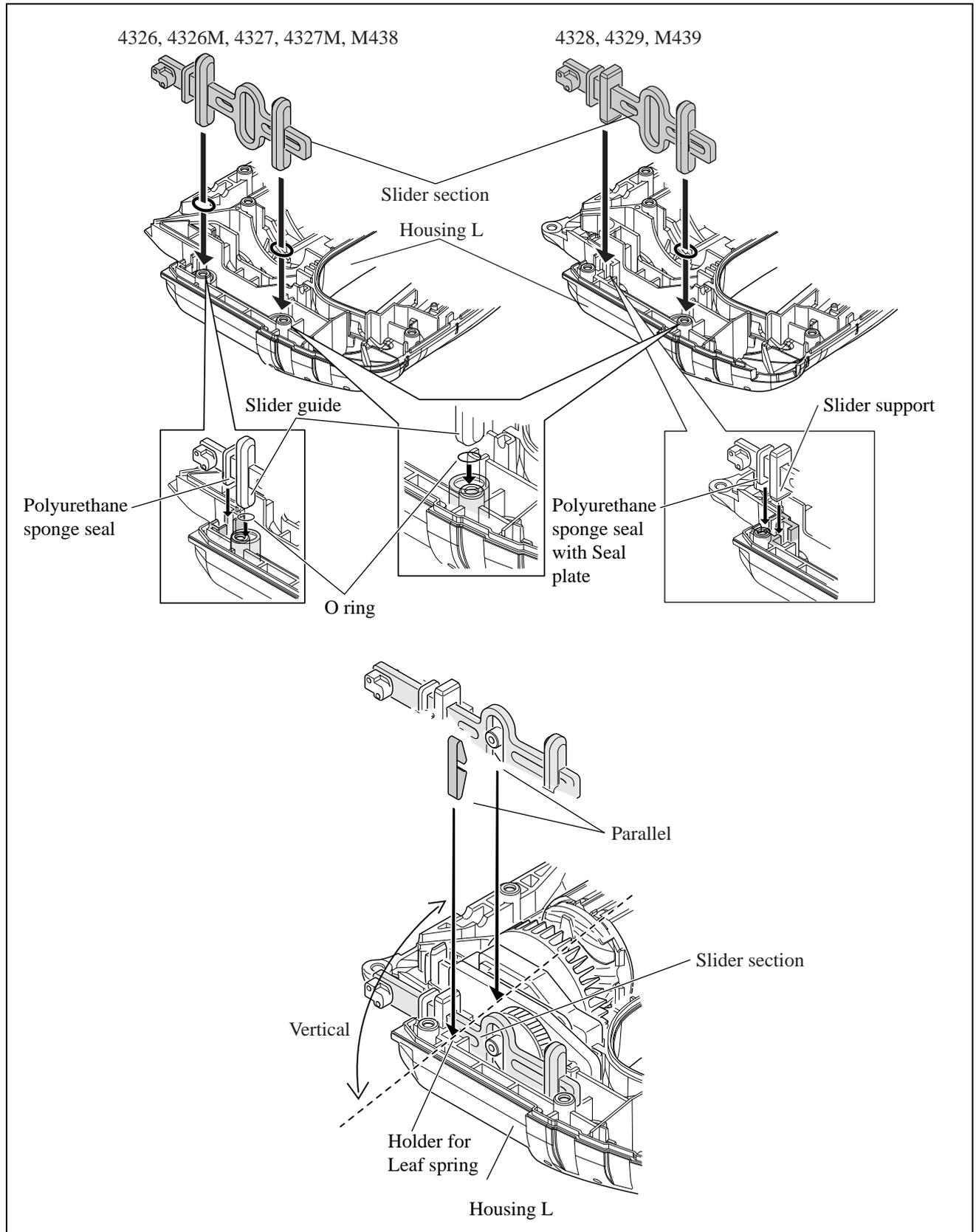
Referring to Fig. 7, Assemble Fig.R to Housing L.

Note: 1) Firmly insert O rings into the bottom of holes in Housing R so as not to fall off. (The bottom positions have ribs for prevention of falling them off.)

2) Be sure to set each component in place of Housings R and L. Do not pinch Polyurethane sponge seal.

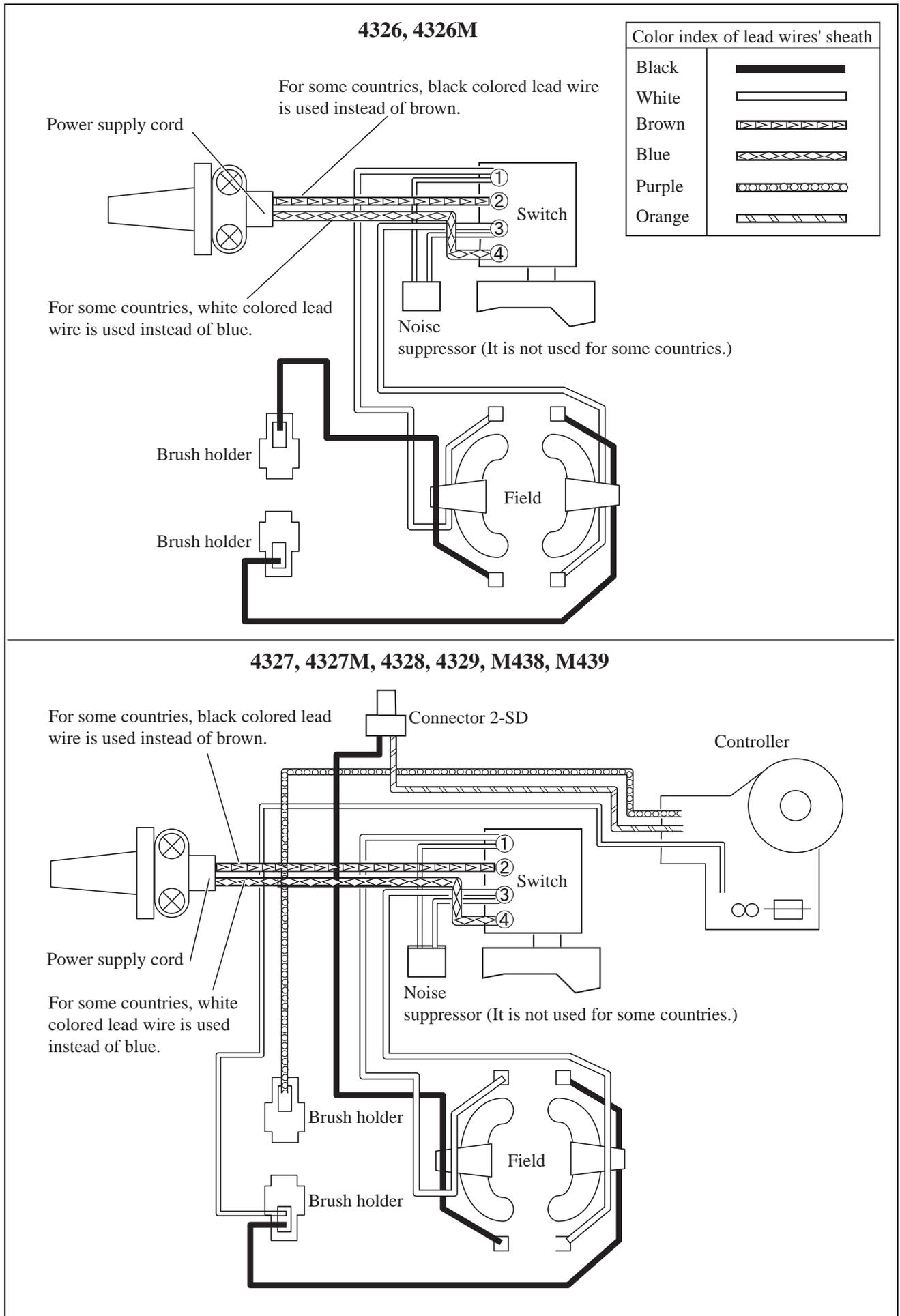
3) Do not put Leaf spring under Slider. Insert Leaf spring to the holder of Housing R so that the Leaf spring is parallel to Slider section and vertical to Housing L.

Fig. 5



► **Circuit diagram**

Fig. D-1



► **Wiring diagram**

Fig. D-1

