

Model No. ▶ MT955

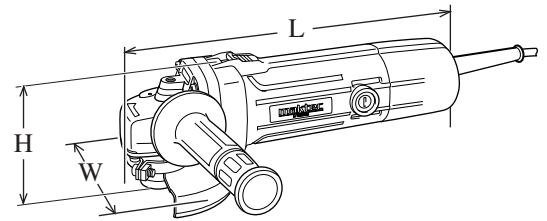
Description ▶ Angle Grinder 100mm (4")

CONCEPT AND MAIN APPLICATIONS

The above maktec angle grinder has been developed as an up-graded tool of MT951, featuring heavy-duty 710W motor for higher performance in concrete/masonry cutting.

Other advantages are:

- *Industrial performance and durability at less expense
- *Labyrinth construction great for protection of ball bearings from dust and debris
- *Three-position side grip for high maneuverability



Dimensions: mm (")	
Length (L)	276 (10-7/8)
Width (W)	118 (4-5/8)
Height (H)	98 (3-7/8)

► Specification

Voltage (V)	Current (A)	Cycle (Hz)	Continuous Rating (W)		Max. Output(W)
			Input	Output	
110	6.8	50 / 60	710	450	730
220	3.4	50 / 60	710	450	730
230	3.2	50 / 60	710	450	730
240	3.1	50 / 60	710	450	730

No load speed: min-1= rpm.		11,000
Wheel size	Diameter: mm (")	100 (4)
	Hole diameter: mm (")	16 (5/8)
	Thickness: mm (")	6 (1/4)
Power supply cord: m (ft)		2.0 (6.6)
Net weight: kg (lbs)		1.5 (3.3)

► Standard equipment

*Lock nut wrench 20 1 pc.

*Grip 36 complete 1 pc.

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

► Repair

CAUTION: Remove the wheel from the machine for safety before repair/ maintenance !

[1] NECESSARY REPAIRING TOOLS

- 1R269 Bearing Extractor (Small) For removing Ball Bearings 629ZZ and 607ZZ
 1R291 Retaining Ring S and R Pliers For removing Retaining Rings S-12 and R-32
 1R045 Gear Extractor (Large) For removing spindle

[2] LUBRICATION

Put 10 g of Makita grease N. No.1 in the gear room of gear housing to protect the spiral bevel gears from unusual abrasion.

[3] DISASSEMBLING/ASSEMBLING

[3] -1. Replacing Armature and Spiral Bevel Gear 10

DISASSEMBLY

- 1) After removing carbon brushes, remove four M4x30 pan head screws.
 Now gear housing and the assembly of armature and gear housing cover can be separated from motor housing.
- 2) Remove hex nut M6 that fastens spiral bevel gear 10 by turning counterclockwise with wrench 10.
 Then pull off spiral bevel gear 10 by hand.

Note: If it is difficult to remove the spiral bevel gear by hand, remove it as follows:

1. Lubricate the gear and armature shaft with spray lubricant.
2. Cover the gear with cloth to protect its teeth.
3. Using water pump pliers or the like, firmly grip the gear covered with cloth, and then turn the gear.

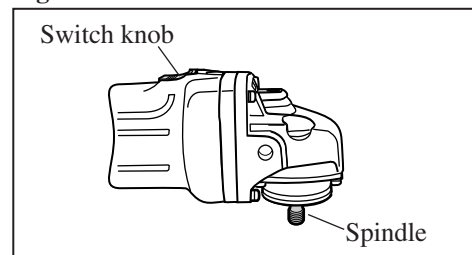
- 3) Separate armature from ball bearing 629ZZ on gear housing cover using Bearing extractor, small (No.1R269).

ASSEMBLY

Do the reverse of disassembling steps.

Note: Assemble gear housing to motor housing so that spindle is placed on the opposite side of switch knob on motor housing. (Fig. 1)

Fig. 1



[3] -2. Replacing Ball Bearing 6201DDW and Spiral Bevel Gear 37

DISASSEMBLY

Note: Can be replaced without disassembling gear housing section.

- 1) Remove bearing box by unscrewing four M4x14 pan head screws.
- 2) Remove ball bearing 696ZZ with Bearing extractor, small (No.1R269). (Fig. 2)
- 3) Remove retaining ring S-12 with Retaining Ring S and R Pliers (No.1R291).
 Now spiral bevel gear 37 can be removed from spindle by hand. Remove woodruff key 4 from spindle. (Fig. 3)
- 4) Remove spindle from bearing box with Gear extractor, large (No.1R045). (Fig. 4)
- 5) Remove retaining ring R-12 with Retaining Ring S and R Pliers (No.1R291). (Fig. 5)
- 6) By striking bearing box against working table, ball bearing 6201DDW can be removed from bearing box together with flat washer 12 and labyrinth ring.

Fig. 2

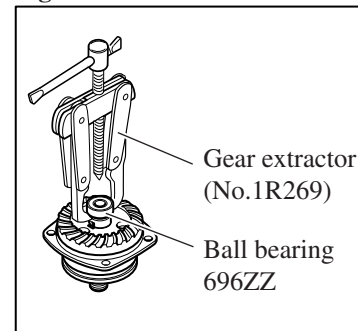


Fig. 3

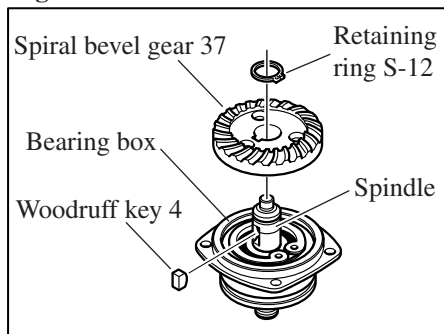


Fig. 4

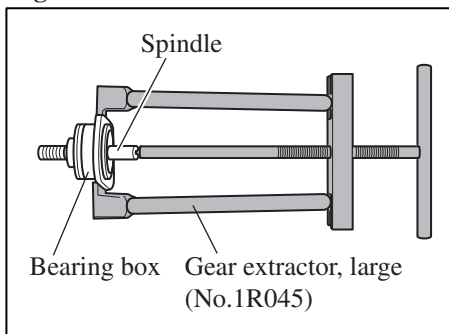
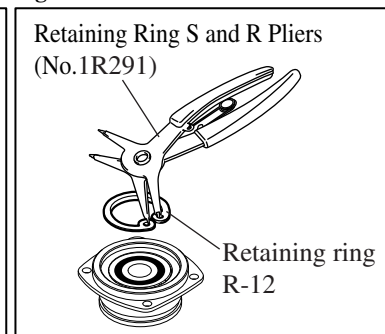


Fig. 5



ASSEMBLY

Do the reverse of disassembling steps.

► Repair

[3] -3. Disassembling/Assembling Shaft Lock Mechanism

DISASSEMBLING

- 1) Remove bearing box from gear housing.
- 2) Pull off shoulder pin 4 with pliers while pushing pin cap with finger. (**Fig. 6**)

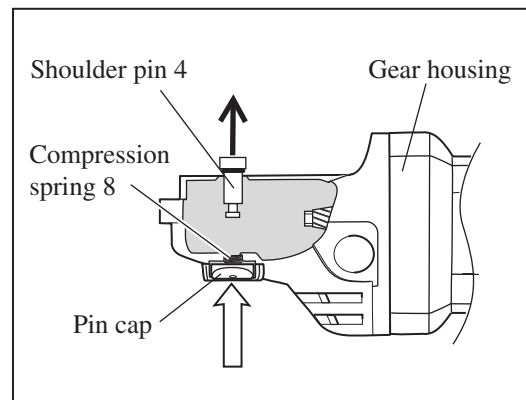
Note: Do not pull off shoulder pin 4 without holding pin cap because compression spring 8 would sling pin cap.

ASSEMBLING

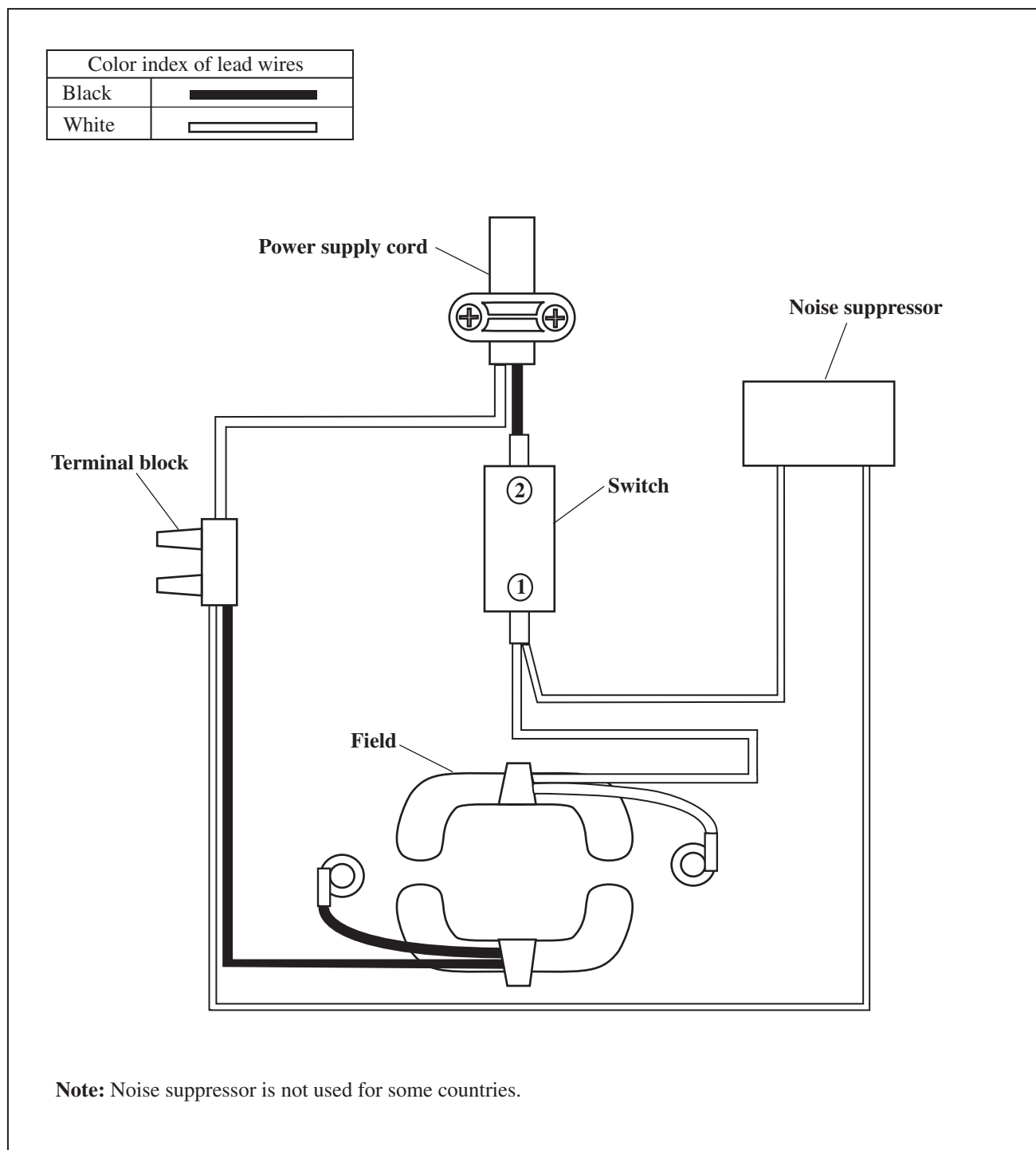
Push shoulder pin 4 through gear housing and compression spring 8 into pin cap.

Note: Do not reuse removed pin cap because removal of shoulder pin 4 damages the inside surface of pin cap, producing plastic dust. Therefore, be sure to use a new pin cap for replacement and to remove all the plastic dust on shoulder pin 4.

Fig. 6

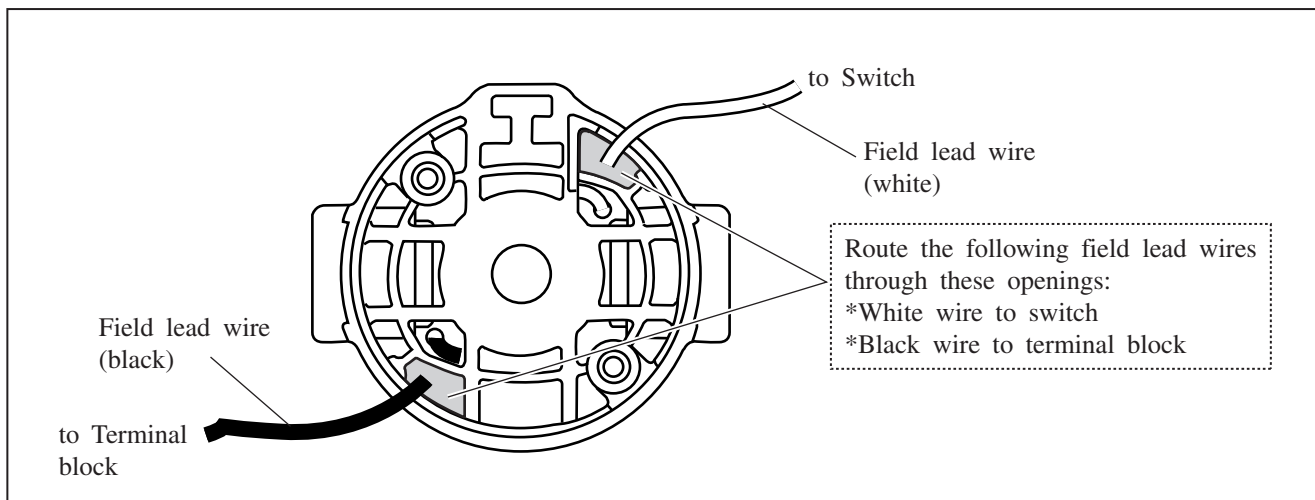


▶ Circuit diagram

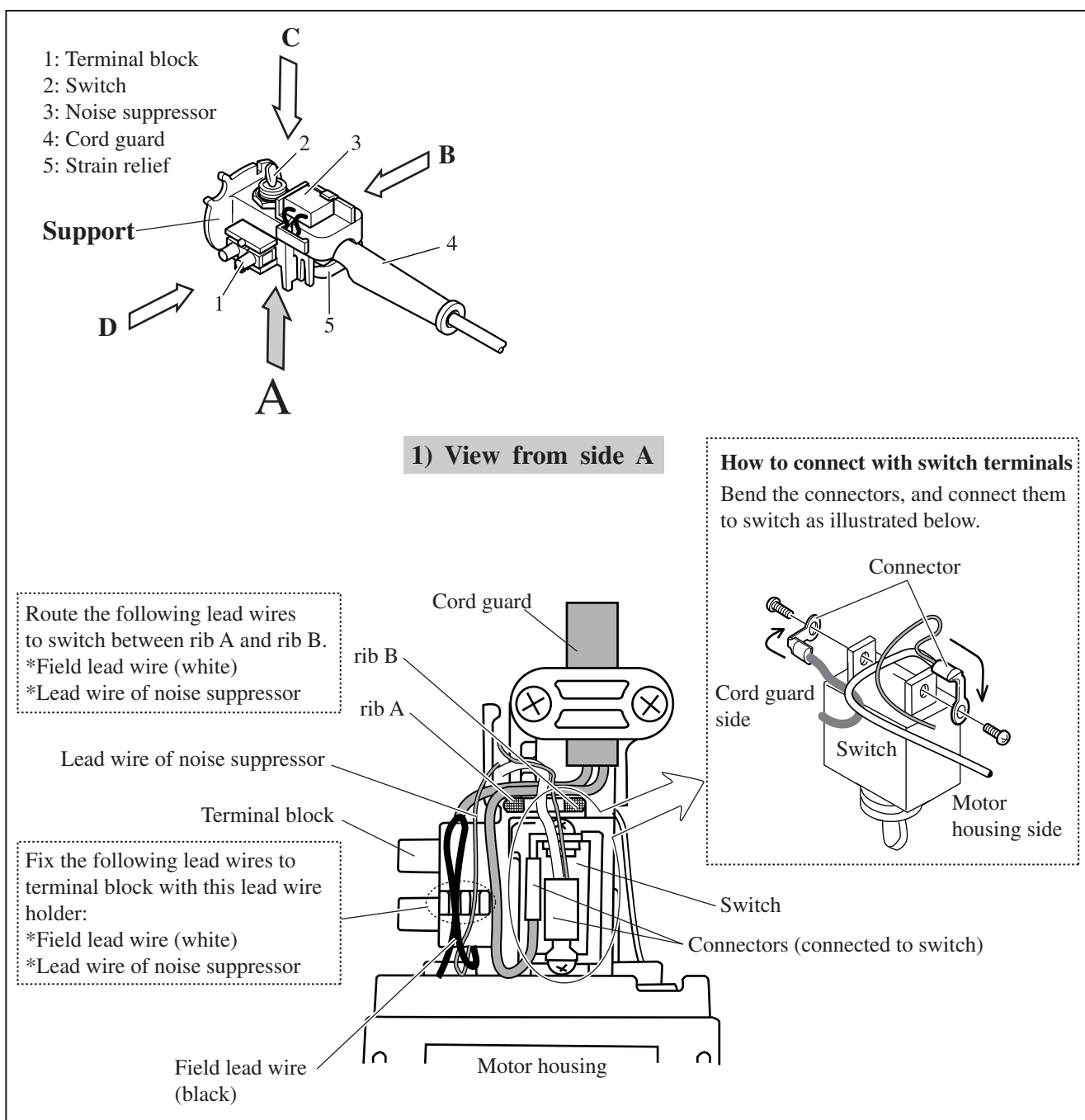


► **Wiring diagram**

[1] Wiring in Motor Housing

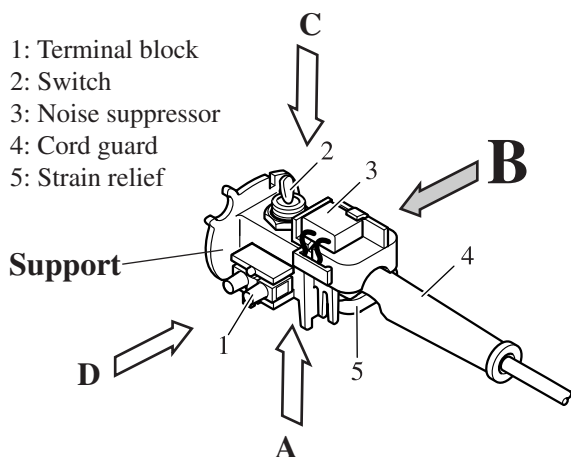


[2] Wiring on Support

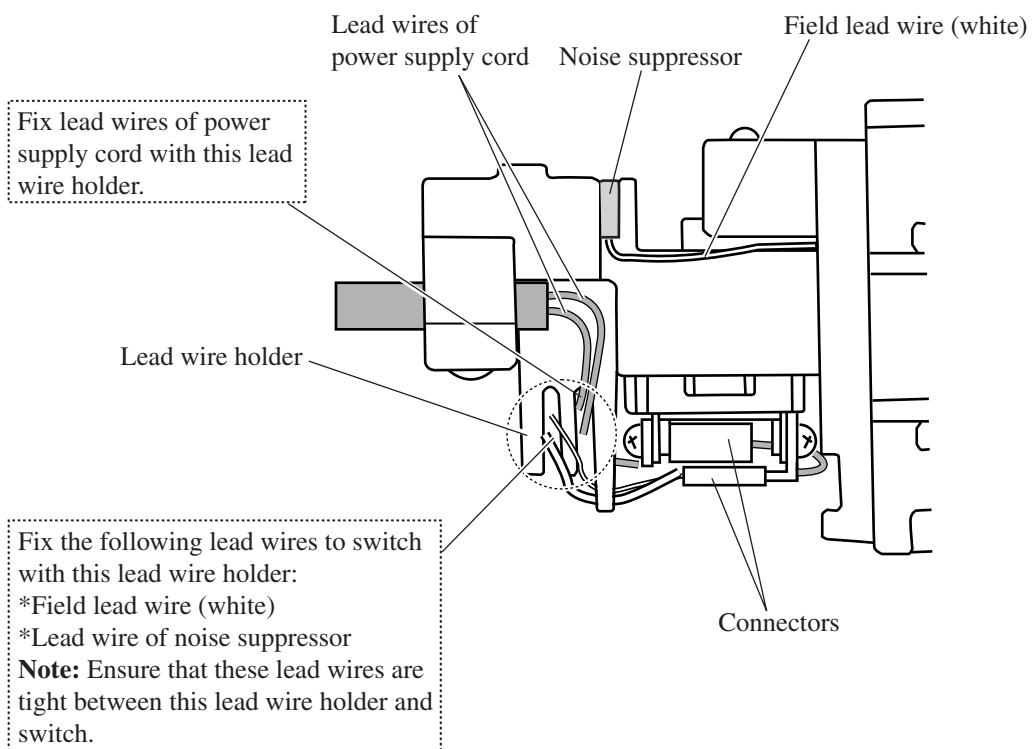


► **Wiring diagram**

[2] **Wiring on Support (cont.)**

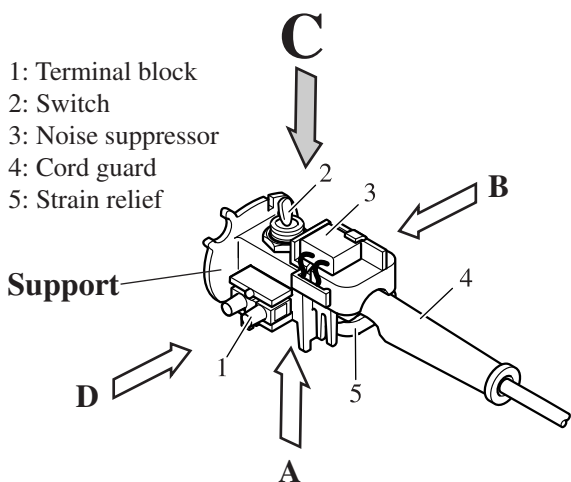


2) View from side B

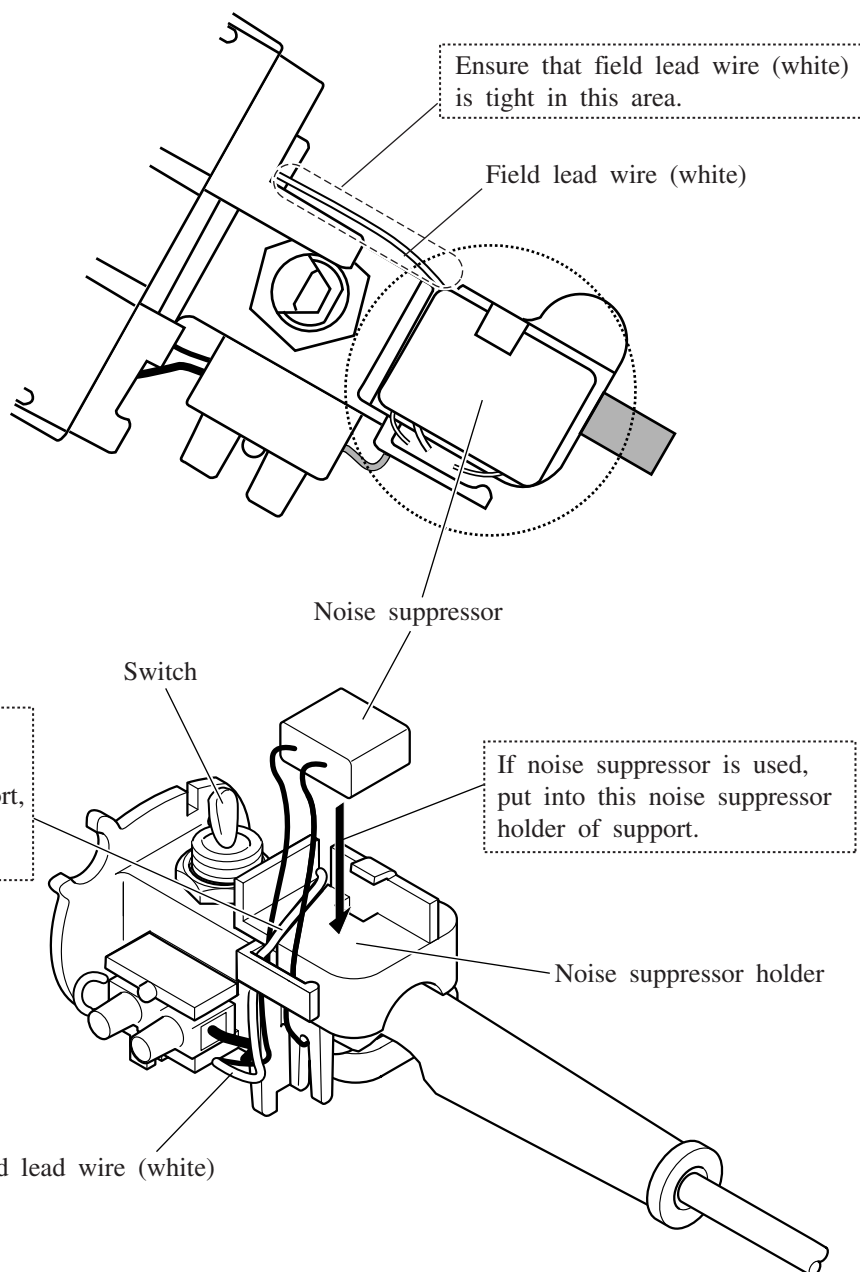


► **Wiring diagram**

[2] **Wiring on Support (cont.)**

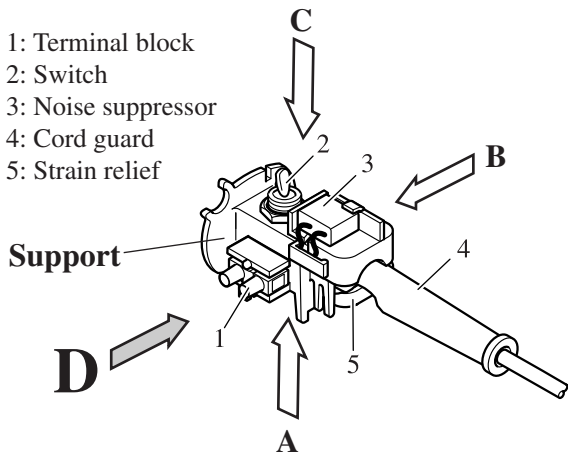


3) View from side C



▶ Wiring diagram

[2] Wiring on Support (cont.)



4) View from side D

