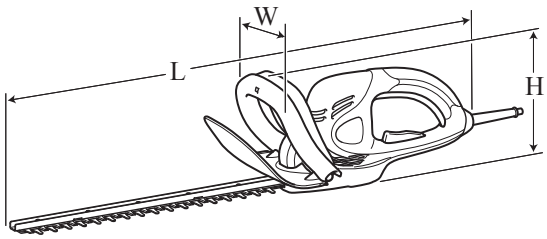
TECHNICAL INFORMATION

Model No. ► UH4261/ UH4861/ UH5261

Description ► Hedge Trimmers 420mm/ 480mm/ 520mm

CONCEPT AND MAIN APPLICATIONS

UH4261/ UH4861/ UH5261 are new series Hedge trimmers for entry users, featuring compact and lightweight design for more improved handling.
Their specifications are the same as UH4260 series models, except a minor structural change of Front switch.



Dimensions: mm (")			
Model No.	**UH4261**	**UH4861**	**UH5261**
Length (L)	821 (32-1/4)	871 (34-1/4)	921 (36-1/4)
Width (W)	194 (7-5/8)		
Height (H)	194 (7-5/8)		

► Specification

Voltage (V)	Current (A)	Cycle (Hz)	Continuous Rating (W)		Max. Output (W)
			Input	Output	
110	3.8	50/60	400	170	300
120	3.5	50/60	---	170	300
220	1.9	50/60	400	170	300
230	1.9	50/60	400	170	300
240	1.8	50/60	400	170	300

Specifications \ Model No.	**UH4261**	**UH4861**	**UH5261**
Blade length: mm (")	420 (16-1/2)	480 (18-7/8)	520 (20-1/2)
No load speed: min-1=spm***1**	1,600		
Blade pitch: mm (")	18 (11/16)		
Brake system	Electric		
Protection from electric shock	Double insulation		
Power supply cord: m (ft)	0.3 (0.98)***2**		
Weight according to EPTA-Procedure 01/2003***3**: kg (lbs)	2.9 (6.4)	3.0 (6.5)	3.0 (6.7)

***1:** spm= strokes per minute
***2:** may vary by country
***3:** with Hook complete

► Standard equipment

Blade cover 1
Hook complete 1
Cord holder complete 1

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

► Optional accessories

Shear blade assembly set
Hook complete
Cord holder complete
Arm band complete set
Chip receiver assembly set

Repair

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

[1] NECESSARY REPAIRING TOOLS

Code No.	Description	Use for
1R035	Bearing setting plate 15.2	Removing Helical gear 67
1R269	Bearing extractor	Removing Bearing box complete

[2] LUBRICATION

Apply Makita grease N. No.2 to the following portion to protect parts and product from unusual abrasion.
(1) Gear room (5g: Refer to **Fig. 6**.)
(2) Crank portion of Shear blade complete (2g: Refer to **Fig. 8**)
(3) Contact portion of Spindle bottom end and Plan bearing 8 (a little: Refer to **Fig**.**8**)

[3] DISASSEMBLY/ASSEMBLY

[3] -1. Shear blade complete and Front grip

DISASSEMBLING

(1) Turn the machine upside down and keep it in a horizontal position using Front handle. (**Fig. 1**)
(2) Remove two Screws and Protector. (**Fig. 1**)
(3) Remove two Screws on Front grip (**Fig. 2**) and then push both ends of Front grip with Switch lever B. (**Fig. 3)**
Front grip with Switch lever B can be separated from Housing set.
(4) Remove fourteen Screws and Housing R (**Fig. 4**)
(5) Remove Pin 4 (2pcs) from Shear blade complete. (**Fig. 5**)
(6) Turn Helical gear 67 to the direction of Blade top, and Helical gear 67 itself and Blade crank portion will rise up from the original position.(**Fig. 6**)

Note:
Use Blade cover and gloves when you hold Shear blade complete so as not to pinch your finger.

(7) Remove Plane bearing 8 and Flat washer 8 from Spindle. (**Fig. 7)**
Shear blade complete and Nylon sleeve 5 (2pcs) can be removed from Spindle and Helical gear 67. (**Fig. 8)**

Fig. 1

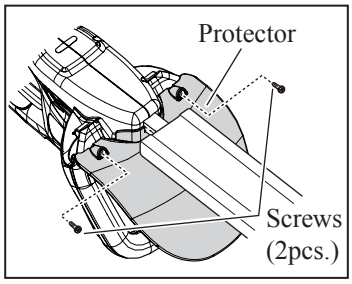


Fig. 2

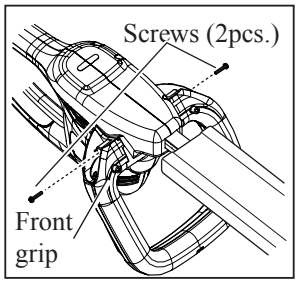


Fig. 3

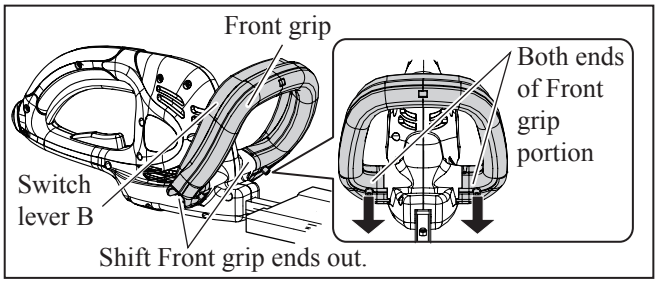


Fig. 4

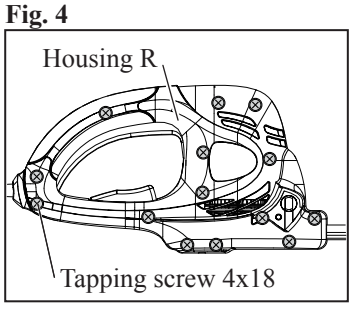


Fig. 5

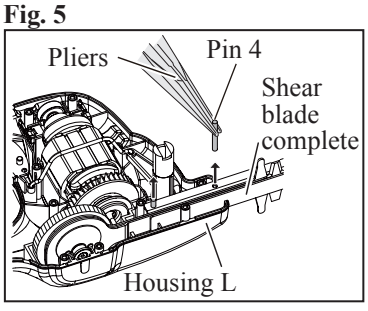


Fig. 6

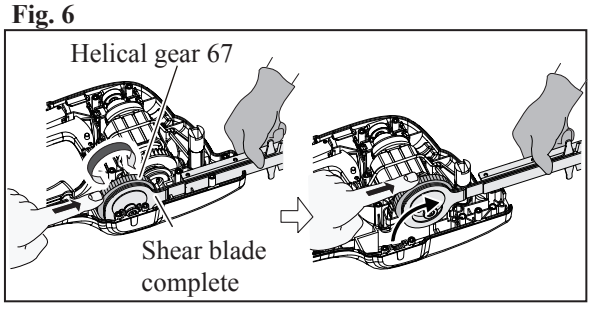


Fig. 7

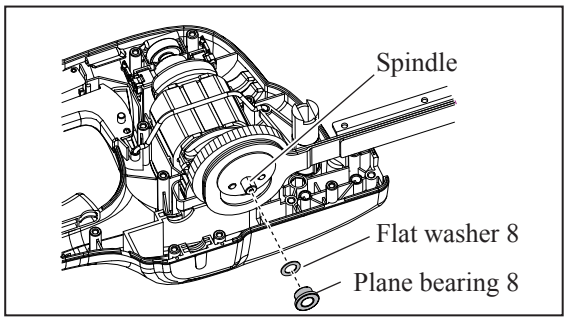
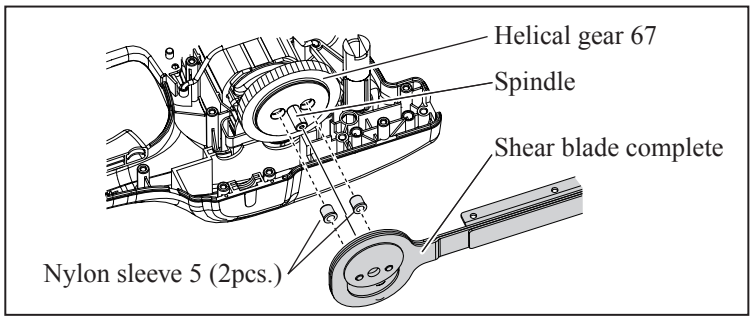


Fig. 8



Repair

[3] DISASSEMBLY/ASSEMBLY

[3] -1. Shear blade complete and Front grip (cont.)

ASSEMBLING

Take the disassembling step in reverse.

Note: • Be sure to set Flat washer 8 and Nylon sleeve 5 in place. (**Figs. 7 and 8**)
• Align the protrusions of Switch lever B to the slots of Housing set and shift them up (**Fig. 9**).
Fix them into the depressions by enlarging Front grip.(**Fig. 10**)

Fig. 9

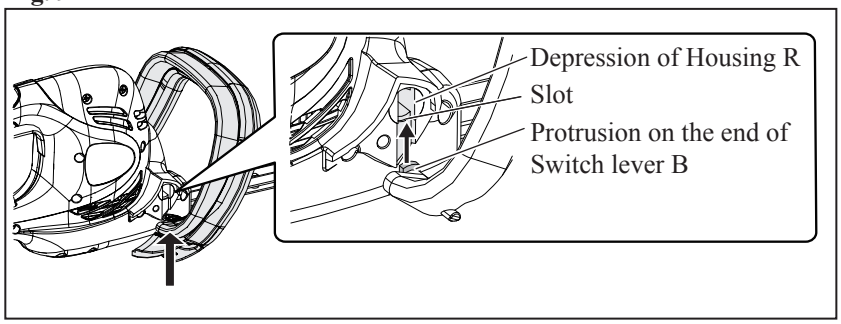
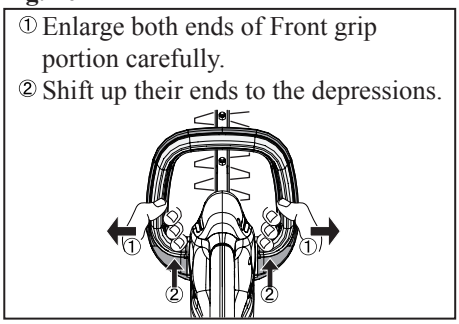


Fig. 10



[3] DISASSEMBLY/ASSEMBLY

[3] -2. Helical gear 67

DISASSEMBLING

(1) Remove Shear blade complete, Nylon sleeve 5 (2pcs), Flat washer 8 and Plane bearing 8. (Refer to pervious page.)
(2) Remove Helical Gear 67 and Spindle as **an assembled part**, and then remove Flat washer 8 between Helical gear 67 and Bearing box complete. (**Fig. 11**)
The assembled part can be disassembled by using 1R035 and Arbor press. **(Fig.12)**

Fig. 11

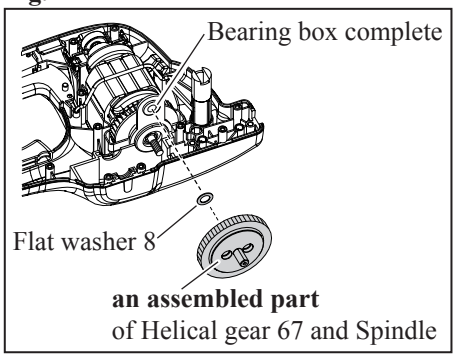
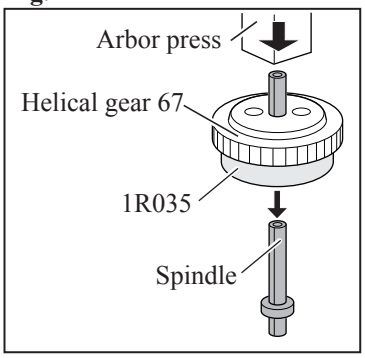


Fig. 12



ASSEMBLING

Take the disassembling step in reverse.

Note: • Be sure to pass Flat washer 8 through Spindle between Gear and Bearing box complete. (**Fig. 11**)
• Spindle and Helical gear 67 are directional in assembling. **(Figs. 13 and 14)**

Fig. 13

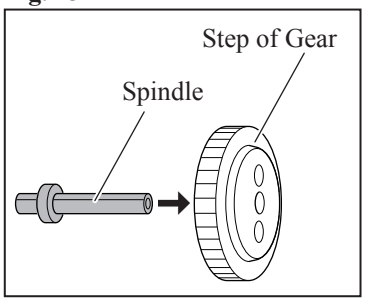
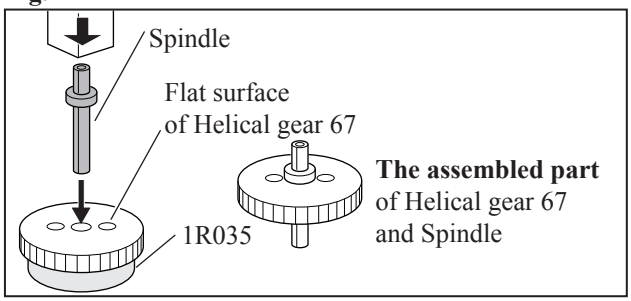


Fig. 14



Repair

[3] DISASSEMBLY/ASSEMBLY

[3] -3. Armature and Switch

DISASSEMBLING

(1) Remove Shear blade complete and Helical gear 67. (Refer to pervious pages.)
(2) Switches, Switch lever A / C and Switch arm can be removed. (**Fig. 15**)
(3) Remove Brush holders, and then separate Armature with Bearing box complete from Housing L. (**Fig. 16**)
Note: Carbon brushes can be removed without removing Brush holders.
(4) Remove Bearing box complete from Armature using 1R269. (**Fig. 17**)
(5) Remove Ball bearings 627ZZ and 6000ZZ from Armature shaft using 1R269. **(Fig.17)**

Fig. 15

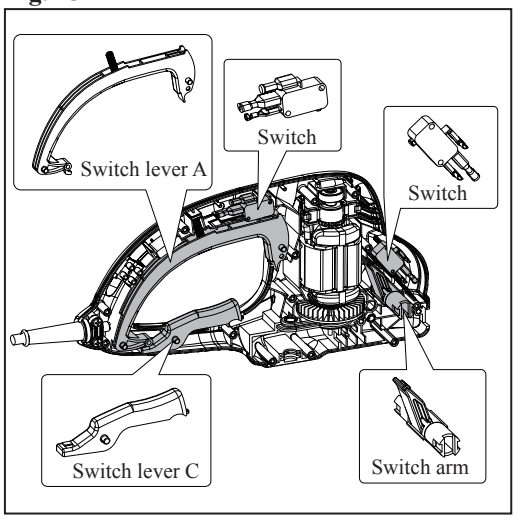


Fig. 16

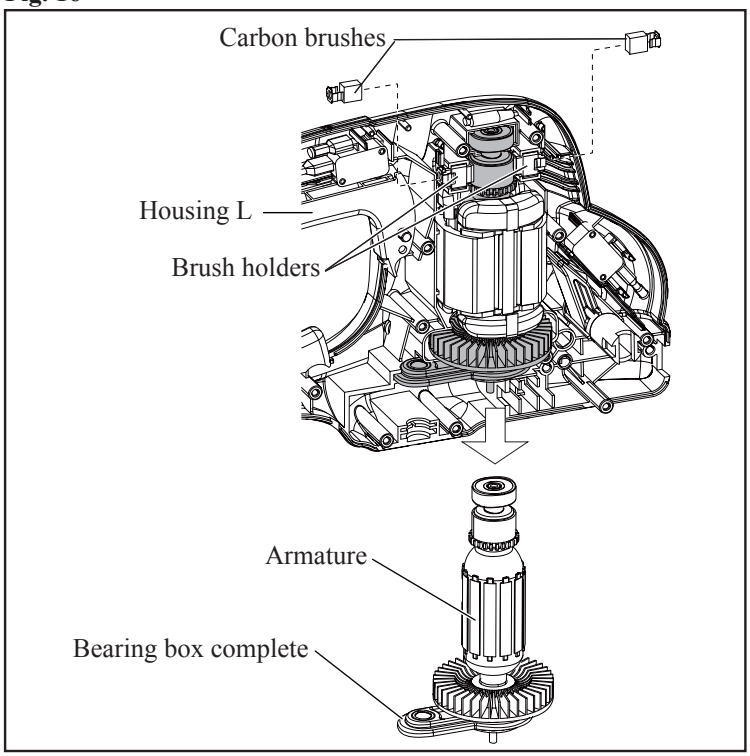
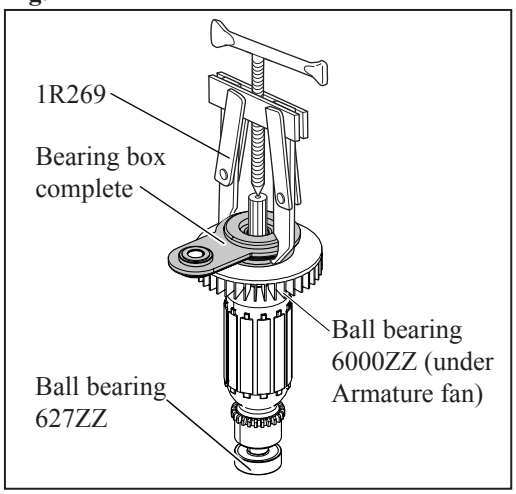


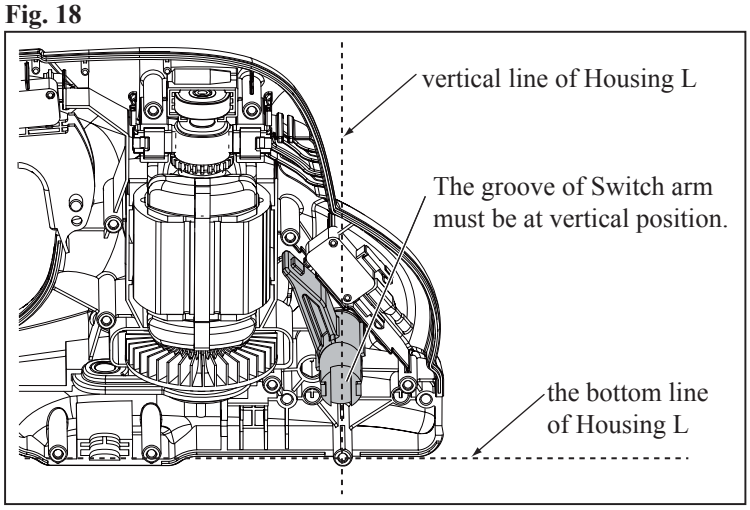
Fig. 17



ASSEMBLING

Take the disassembling step in reverse.
Note: Align the groove of Switch arm with the vertical line of Housing L against the bottom line. (**Fig. 18)**

Fig. 18



Repair

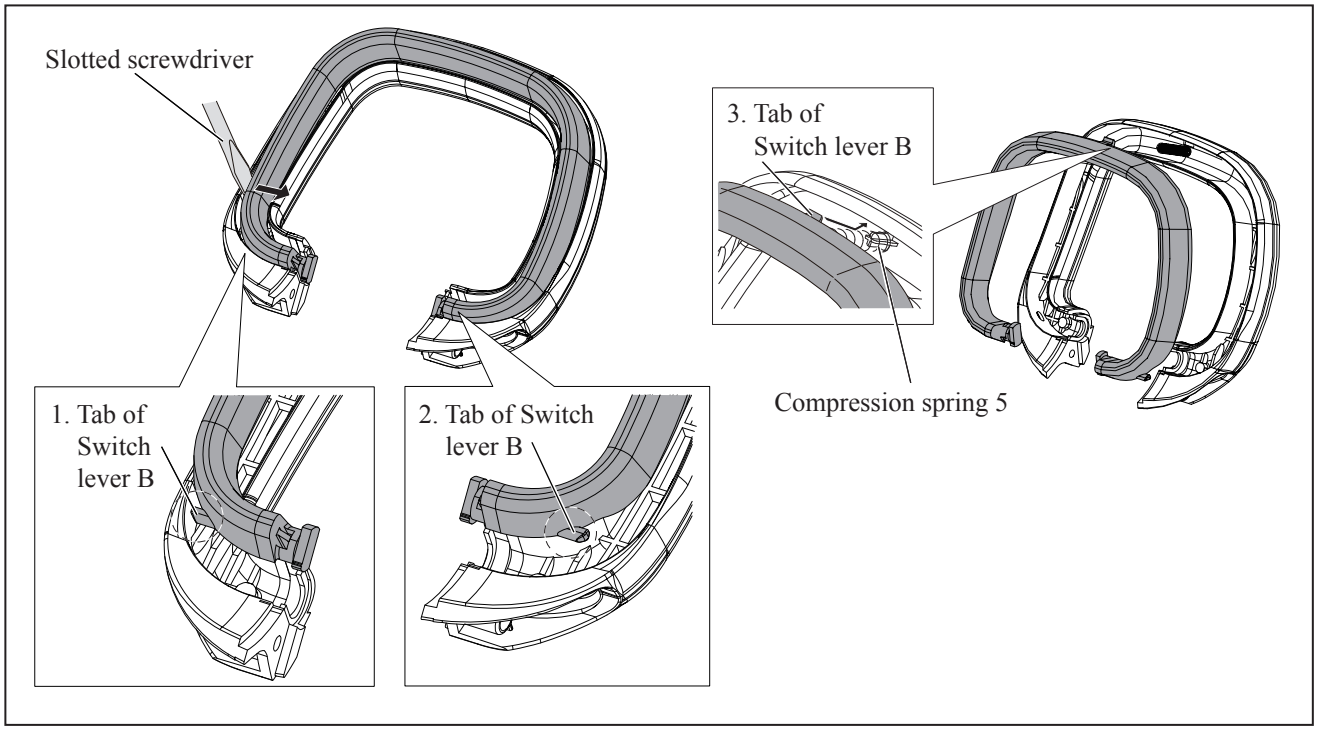
[3] DISASSEMBLY/ASSEMBLY

[3] -5. Switch lever B

DISASSEMBLING

Disassemble Switch lever B from Front grip by removing Tabs of Switch lever B one by one with Slotted screwdriver. (**Fig.19)**

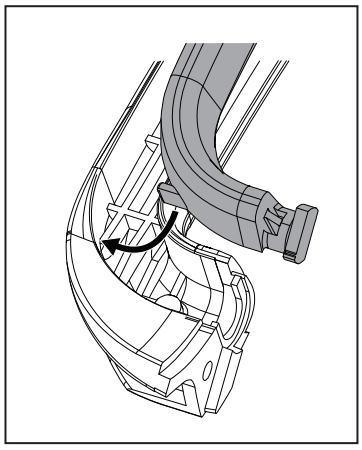
Fig. 19



ASSEMBLING

Take the reverse steps of disassembling (**Figs. 19 and 20)**

Fig. 20



► Circuit diagram

Fig. D-1A

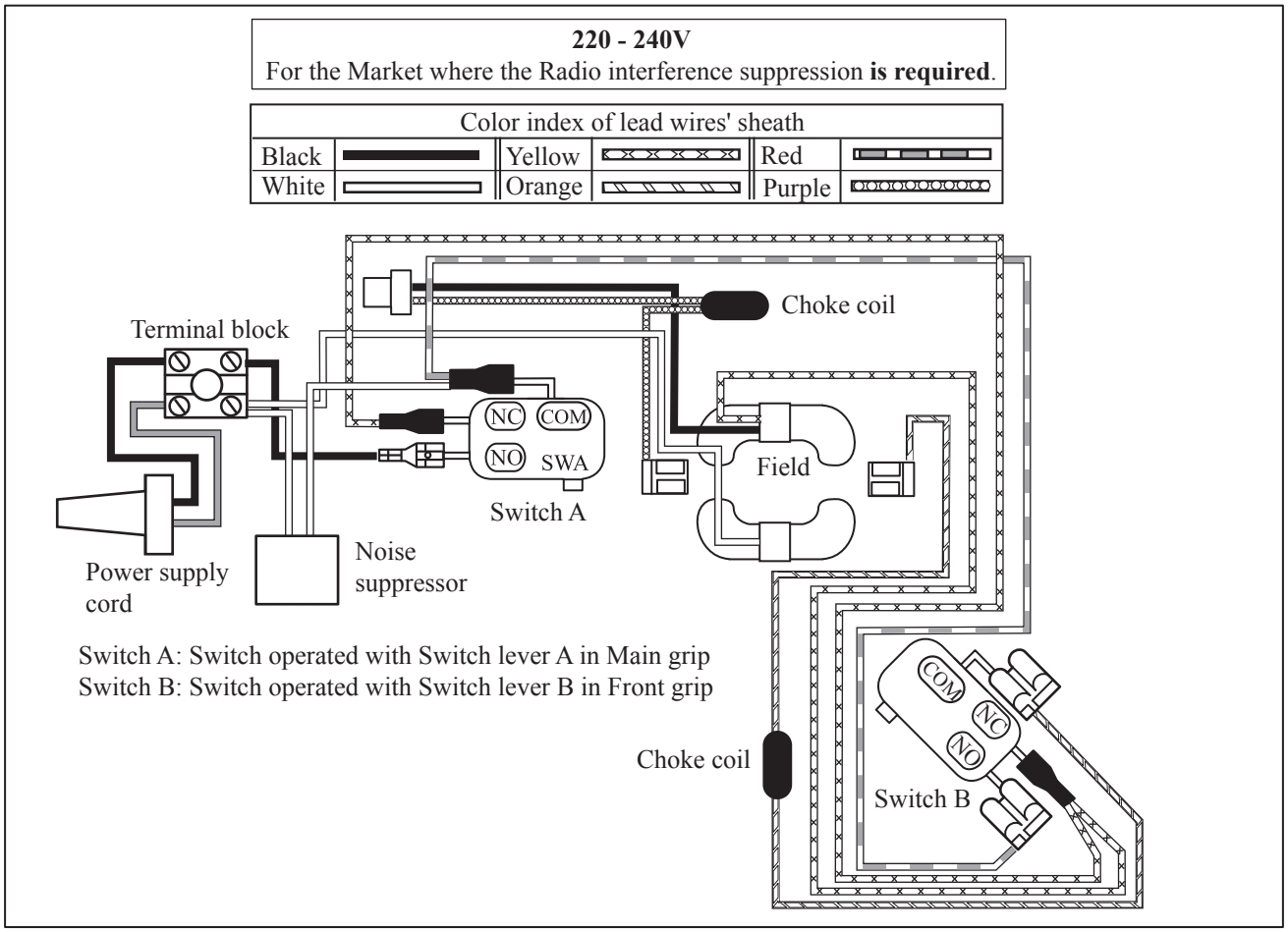
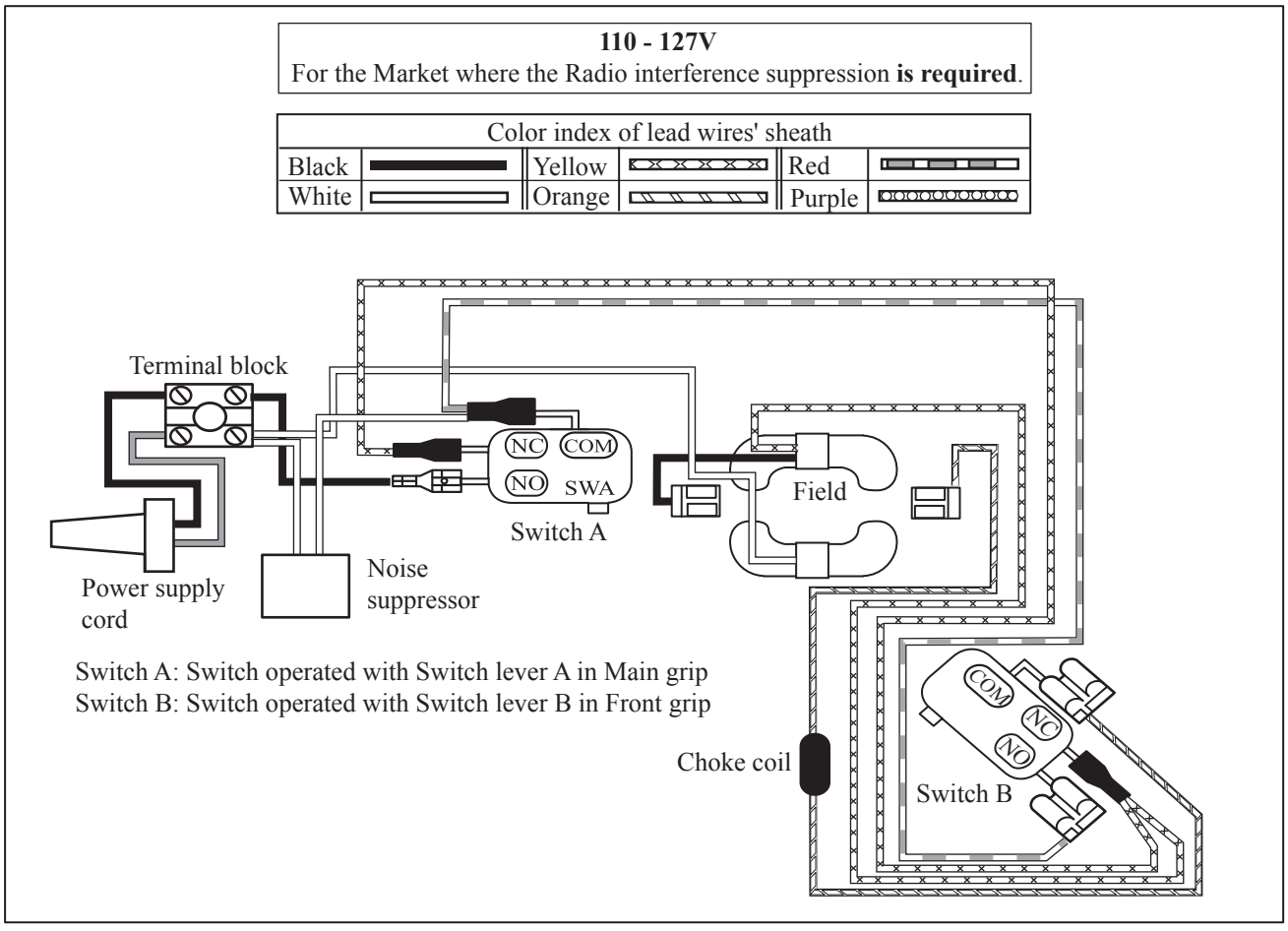
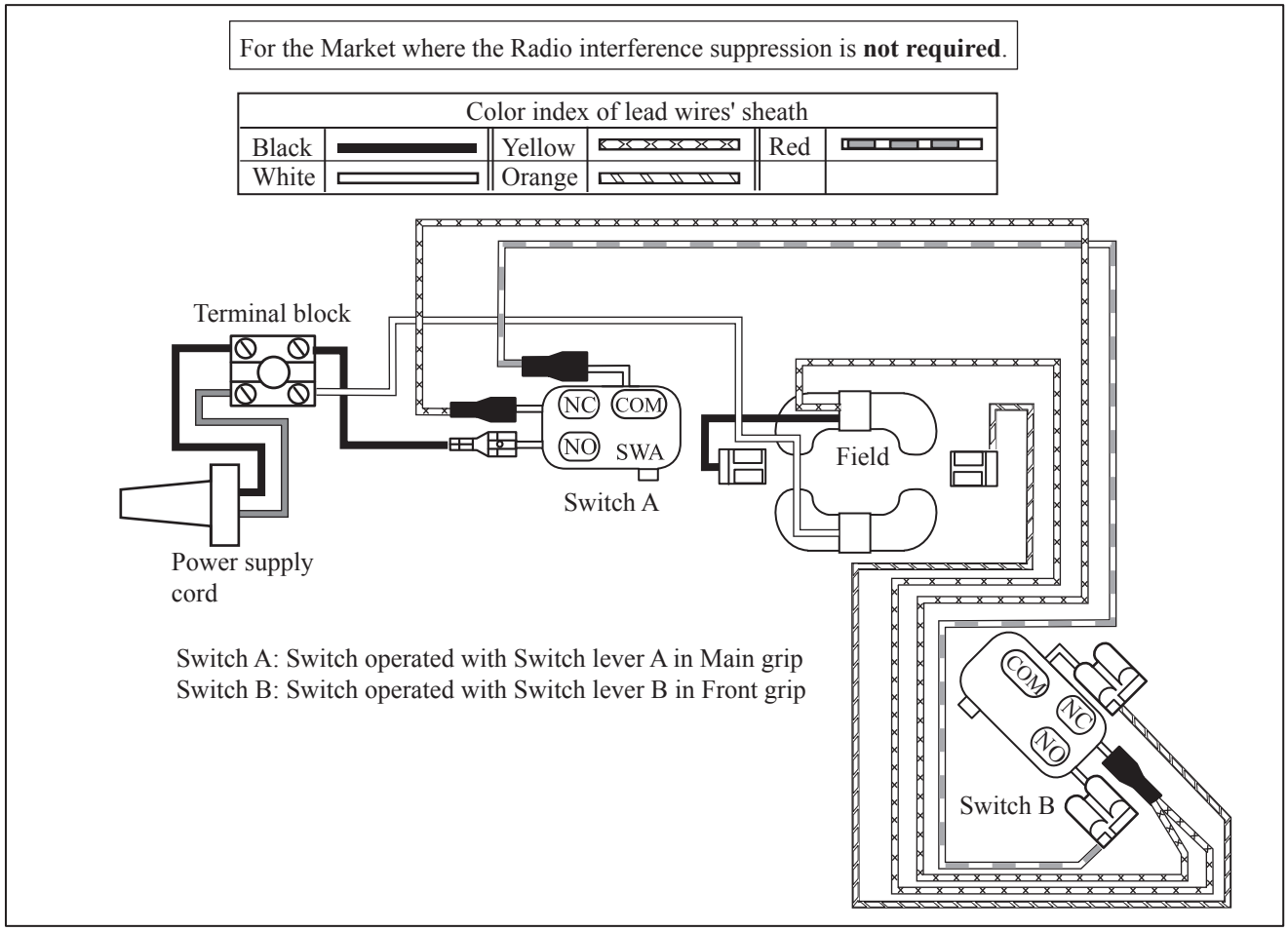


Fig. D-1B



Circuit diagram

Fig. D-1C



Wiring diagram

Fig. D-2