

# SPARE PARTS LIST

MODEL NO. LS1214

ITEM	PART NO.	DESCRIPTION	QTY	NOTE
001	265995-6	TAPPING SCREW 4X18	2	
002	416075-3	REAR COVER LS1013/LS1214	1	
003	265995-6	TAPPING SCREW 4X18	1	
004	*****	*****	***	*****
005	645105-5	NOISE SUPPRESSOR/CONDENSOR 645	1	
006	911373-5	PAN HEAD SCREW M6X50	4	
007	153907-0	MOTOR HOUSING COMP LS1214	1	
008	181044-0	CARBON BRUSH CB-153 (CB-22)/94	1	
009	643650-4	BRUSH HOLDER CAP CB-5/9402	2	
010	860629-2	NAME PLATE LS1214	1	
011	*****	*****	***	*****
012	266059-9	TAPPING SCREW 5X75	2	
013	416264-0	BAFFLE PLATE LS1214	1	
014	211061-7	BALL BEARING 6000LLB BTW200	1	
015	681642-5	INSULATION WASHER LS1013/HM120	1	
016	*****	*****	***	*****
017	240001-8	FAN 80 LS1013	1	
018	911223-4	PAN HEAD SCREW M5X16	2	
019	285686-3	BEARING RETAINER 94 LS1013	1	
020	211251-2	BALL BEARING 6003LLB 4603DW	1	
021	961057-5	RETAINING RING S-17	1	
022	231928-3	RING SPRING 4110C	1	
023	256633-1	SHAFT LOCK PIN 6 4110C	1	
024	231240-1	COMPRESSION SPRING 7	1	
025	961018-5	STOP RING E-5	1	
026	253804-1	FLAT WASHER 6	1	
027	257163-5	RING 6 LS1013/LS800D/BLS820	1	
028	345419-9	LINK PLATE LS1214	1	
029	922331-6	HEX. SOCKET HEAD BOLT M6X20	1	
030	253804-1	FLAT WASHER 6	1	
031	257163-5	RING 6 LS1013/LS800D/BLS820	1	
032	316470-6	SPRING HOLDER LS1214	1	
033	233424-7	COMPRESSION SPRING LS1214	1	
034	324458-2	LOCK PIN 8 LS1214	1	
035	418610-3	ROD HOLDER LS1214	1	
036	266034-5	TAPPING SCREW CT 4X16	2	
037	345416-5	LOCK LEVER LS1214	1	
038	911113-1	PAN HEAD SCREW M4X10	2	
039	961012-7	STOP RING E-6	1	
040	324459-0	ROD 8 LS1214	1	
041	231633-2	TORSION SPRING 8 LS1040/1214	1	
042	421589-9	CAP LS1013/LS800D/BLS820/LS104	1	
043	911113-1	PAN HEAD SCREW M4X10	2	
044	345417-3	LOCK PLATE LS1214	1	
047	411478-6	*SWITCH BUTTON 2414B/NB/LC1230	1	
048	183840-2	HANDLE SET LS1214 INC. 62	1	
049	*****	*****	***	*****
050	*****	*****	***	*****
051	*****	*****	***	*****
052	265995-6	TAPPING SCREW 4X18	2	
053	414546-4	CAM LS1013/LS1040F	1	
054	416000-4	LOCK OFF LEVER LS1013	1	
056	231457-6	COMPRESSION SPRING 3 HM1303B/H	1	
057	645200-1	NOISE SUPPRESSOR LS0714 only	1	
058	651923-1	SWITCH TG70B 5903R/LS1040F	1	
059	651941-9	"SWITCH V-15-2A5 LS1040/2,5103R"	1	230-240V
060	415999-0	SWITCH LEVER LS1013	1	
061	265995-6	TAPPING SCREW 4X18	6	
062	183840-2	HANDLE SET LS1214 INC. 48	1	

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ITEM	PART NO.	DESCRIPTION	QTY	NOTE
063	921467-8	HEX HD SCREW M8X45	1	
064	262003-4	RUBBER RING 6 HM1400/1304	1	
065	911323-0	PAN HEAD SCREW M6X16	1	
066	421562-9	GRIP LS1013	1	
067	344420-1	GRIP HOLDER LS1013	1	
068	911323-0	PAN HEAD SCREW M6X16	1	
069	911114-9	PAN HEAD SCREW M4X10	1	
070	416133-5	DUST NOZZLE LS1013/LS800D/BLS8	1	
071	213460-9	O RING 35 HM1303B/LS800DWB/HR1	1	
072	911113-1	PAN HEAD SCREW M4X10	1	
073	265717-4	WING SCREW M6x43 LS1013	1	
074	262001-8	URETHANE RING 5 6906/6905B	1	
075	317176-9	STOPPER ARM LS1013	1	
076	344045-1	STOPPER ARM PLATE LS1013	1	
077	819064-1	MAKITA LABEL LS1030/5603R/2414	1	
078	183843-6	BLADE CASE LS1214 INC. 77	1	
079	345415-7	GUARD PLATE LS1214	1	
080	423332-2	GUARD LS1214	1	
081	211031-6	BALL BEARING 608LLB (608VV) 67	1	
082	961054-1	RETAINING RING S-14	1	
083	226750-1	SPIRAL BEVEL GEAR 35 LS1214	1	
084	262074-1	RUBBER RING 20 LS1013	1	
085	267035-6	FLAT WASHER 14	1	
086	213675-8	O RING 54 LS1214	1	
087	316473-0	BEARING BOX LS1214	1	
088	254202-2	KEY 4	1	
089	322989-5	SPINDLE LS1214	1	
090	211278-2	BALL BEARING 6203DDW 9029/9046	1	
091	285828-9	BEARING RETAINER 66 LS1013	1	
092	257022-3	RING 16-25 LS1040F/2400/B	1	
093	911223-4	PAN HEAD SCREW M5X16	2	
094	224398-3	FLANGE 61 LS1214	1	
095	257262-3	RING 16 LS1214/LS1013/LS1040	1	
096	224398-3	FLANGE 61 LS1214	1	
097	265405-3	HEX FRANGE HD BOLT M10X20	1	
098	344473-0	CENTRE PLATE LS1214	1	
099	344038-8	CENTRE COVER LS1214	1	
100	265324-3	HEX HD SCREW M8X12 WITH COLLAR	1	
101	265008-3	+ FLAT HEAD SCREW M5	1	
102	231613-8	TORSION SPRING 45 LS1214	1	
103	418614-5	SAFETY COVER LS1214	1	
104	253977-0	FLAT WASHER 6 M241	1	
105	911213-7	PAN HEAD SCREW M5X12 JR3020	1	
106	331428-4	PIPE 16-113 2414B/NB	1	
107	252105-4	HEX. LOCK NUT M8-13	1	
108	941201-0	FLAT WASHER 8	1	
109	317756-1	ARM LS1214	1	
110	322629-5	STOPPER PIN	1	
111	213011-8	O RING 7 ML900/9079S/LS1214	1	
112	687042-7	STRAIN RELIEF LS1013/2012NB	1	
113	266026-4	TAPPING SCREW BIND CT 4X12	1	
114	271601-3	KNOB 20 LS1030/LS800D/BLS820	1	
115	251961-9	HEX. SOCKET HEAD BOLT M6X10	1	
116	265455-8	HEX. BOLT M8X28	2	
117	265412-6	HEX. BOLT M8X20	2	
118	216003-6	*STEEL BALL 10 LS1013	2	
119	345418-1	GUIDE PLATE LS1214	1	
120	231626-9	TORSION SPRING 28 LS1013/1214	1	
121	413067-3	INDICATION PLATE LS1013	2	
122	911114-9	PAN HEAD SCREW M4X10	2	

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ITEM	PART NO.	DESCRIPTION	QTY	NOTE
123	233168-9	COMPRESSION SPRING 5 LS1013	2	
124	266131-7	HEX SOCKET HD BOLT M12xX12 LS1	2	
125	151459-5	ARM HOLDER COMPLETE LS1013/241	1	
126	251662-9	HEX BOLT M10X100 LS1214	1	
127	911113-1	PAN HEAD SCREW M4X10	1	
128	416006-2	LEVER 100 LS1013/LS800D/BLS820	1	
129	252144-4	HEX NUT M10-17 LS1013/LS800DWB	1	
130	253024-7	FLAT WASHER 10	1	
131	231266-3	COMPRESSION SPRING 5	1	
132	152542-1	SQUARE ROD COMPLETE LS1013/121	1	
133	921356-7	HEX. BOLT M6X35	2	
134	153832-5	TURN BASE COMPLETE LS1013/1214	1	
135	152540-5	BEARING BOX LS1013/LS1214	1	
136	922451-6	HEX. SOCKET HEAD BOLT M8X30	2	
137	253852-0	FLAT WASHER 8	1	
138	265442-7	HEX. BOLT M8X40	1	
139	415209-5	KERF BOARD LS1013	2	
140	266026-4	TAPPING SCREW BIND CT 4X12	4	
141	911108-4	PAN HEAD SCREW M4X8	1	
142	252014-7	HEX. LOCK NUT M6-10	1	
143	344463-3	SUB FENCE PLATE LS1013	1	
144	153890-1	SUB FENCE COMPLETE LS1214	1	
145	265488-3	HEX BOLT M8X30 LS1040F	4	
146	317757-9	GUIDE FENCE LS1214	1	
147	912357-6	COUNTERSUNK HEAD SCREW M6X35	1	
148	253715-0	FLAT WASHER 6	1	
149	251887-5	SCREW M6X10	1	
150	266026-4	TAPPING SCREW BIND CT 4X12	2	
151	816326-8	MITER SCALE LABEL LS1013	1	
152	266132-5	SCREW M8X320	1	
153	931402-8	HEX. NUT M8	1	
154	271314-6	GRIP 40 LS1214	1	
155	941201-0	FLAT WASHER 8	1	
156	152541-3	KNOB 48 COMPLETE LS1013	1	
157	421863-5	CAP LS1214	1	
158	331491-7	PIPE 9-200 LS1013	1	
159	421563-7	CAP 10 LS1013	1	
160	322924-3	COIL SPRING LS1013	1	
161	322909-9	LOCK PIN LS1013	1	
162	253804-1	FLAT WASHER 6	1	
163	231307-5	COMPRESSION SPRING 6	1	
164	961018-5	STOP RING E-5	1	
165	316899-6	PIN HOLDER LS1013	1	
166	266034-5	TAPPING SCREW CT 4X16	2	
167	344411-2	SLIDE STOPPER LS1013	1	
168	251267-5	+ PAN HEAD SCREW M6	1	
169	256196-7	PIN 5 LS1013	1	
170	331493-3	TURN STOPPER LS1013	1	
171	344412-0	STOPPER HOLDER LS1013	1	
172	266034-5	TAPPING SCREW CT 4X16	1	
173	266026-4	TAPPING SCREW BIND CT 4X12	1	
174	816128-2	INDICATION PLATE/POINTER LC123	1	
175	344477-2	SLIDE PLATE LS1013	2	
176	266034-5	TAPPING SCREW CT 4X16	1	
177	232075-3	LEAF SPRING LS1013/LC1230	1	
178	251887-5	SCREW M6X10	2	
179	153889-6	BASE COMPLETE LS1214	1	
180	286212-1	CAP 20 LS1030/LC1230/LS800DWB	4	
181	253791-4	FLAT WASHER 25 LS1214	1	
182	345494-5	STOPPER LS1214	1	
A01	122523-9	DUST BAG BLS820/LS1013/LS1040	1	

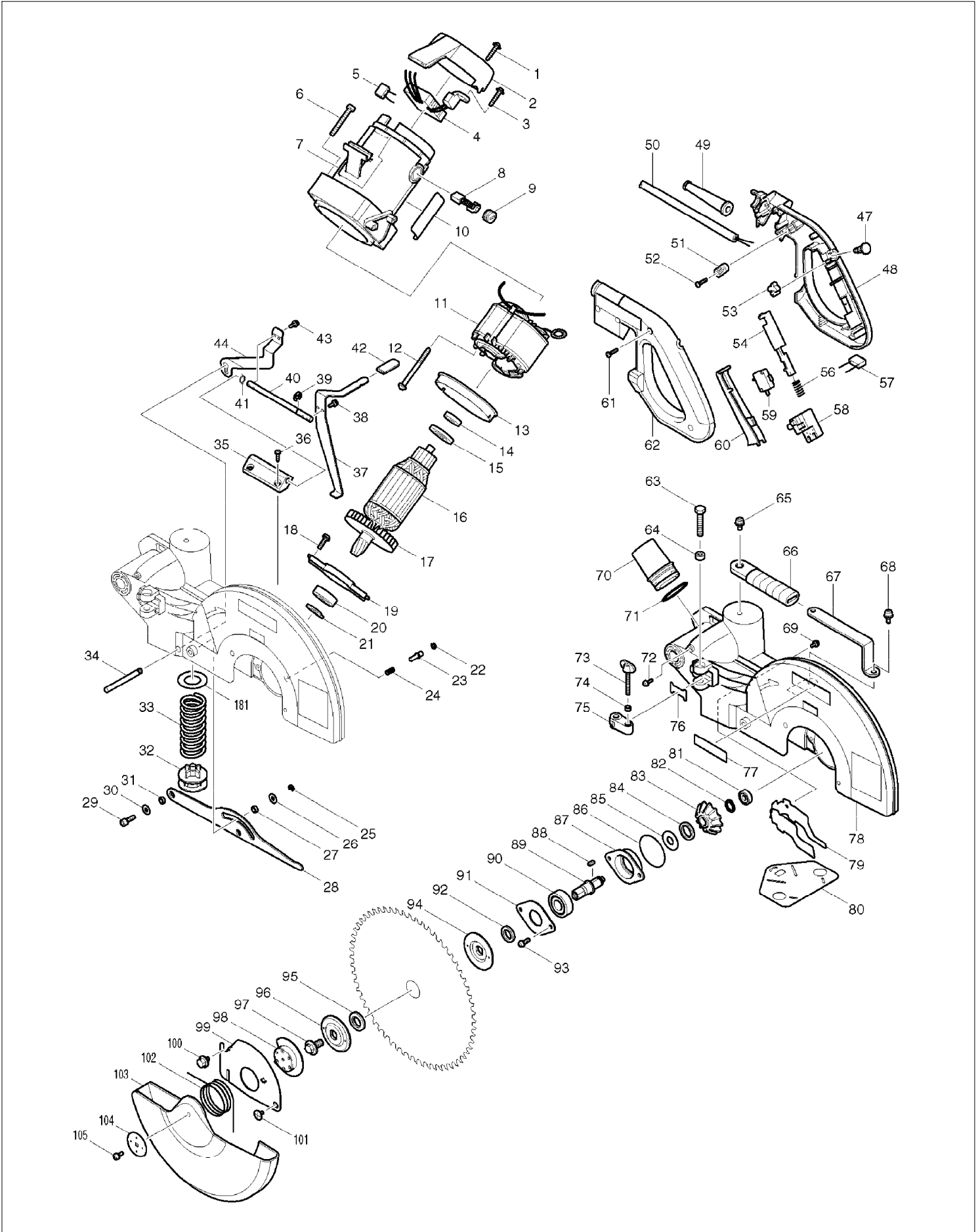
# SPARE PARTS LIST

MODEL NO. LS1214

ITEM	PART NO.	DESCRIPTION	QTY	NOTE
A02	122540-9	VICE ASSY LS1030/LS1214	1	
A03	153896-9	SUB FENCE R COMP LS1214	1	
A04	411478-6	*SWITCH BUTTON 2414B/NB/LC1230	2	
A05	762001-3	TRIANGLE LS800DWB/2030/BLS820	1	
A06	251887-5	SCREW M6X10	2	
A07	322932-4	HOLDER 255 LS1013	2	
A08	*****	*****	***	*****
A09	782212-4	SOCKET WRENCH 13 24B/27/5016B	1	
E01	655030-2	PLUG UK TYPE 2107F/JR3050T	1	
E02	654091-9	NON INSULATED TERMINAL LC1230	2	

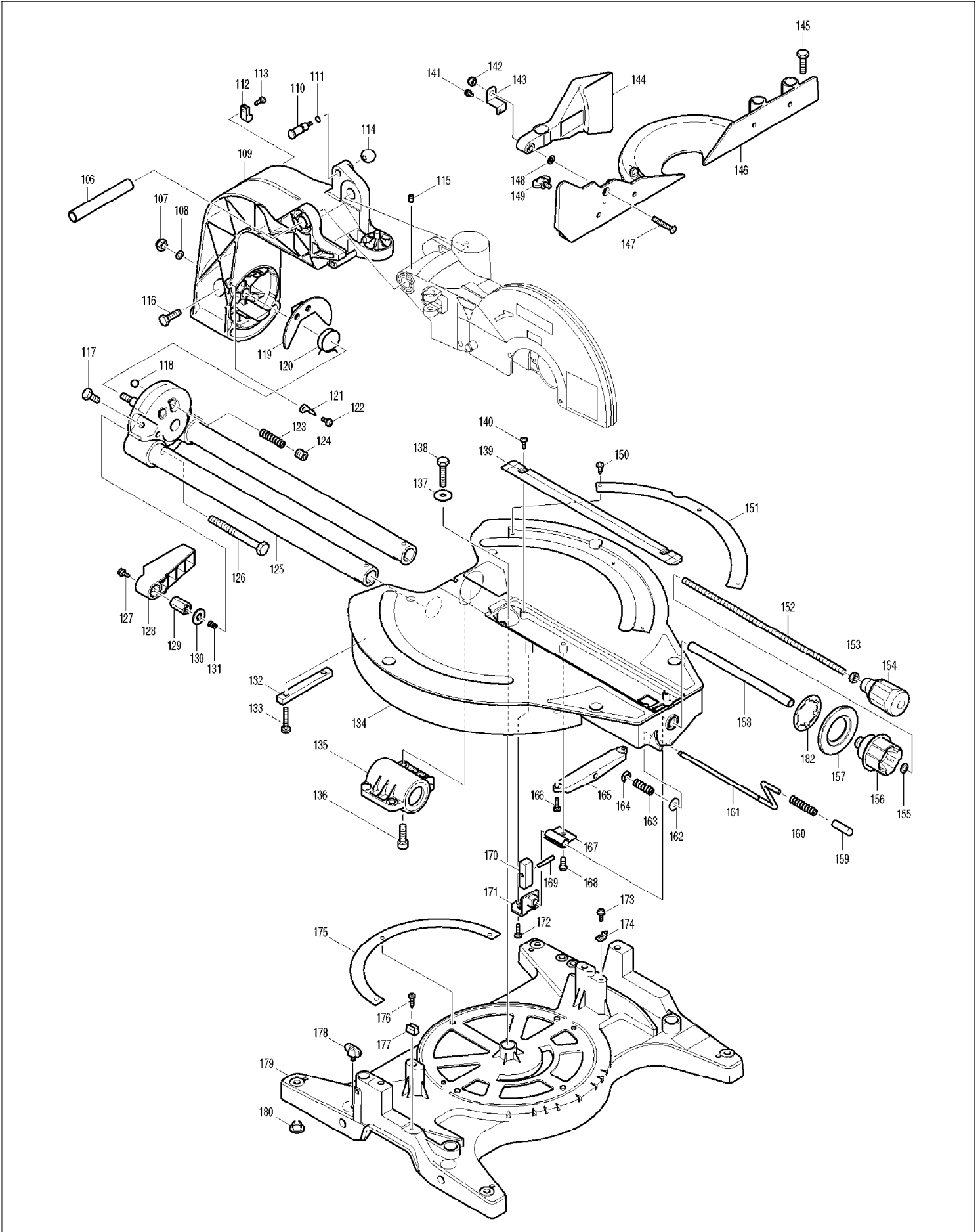
# SERVICE DRAWING

MODEL NO. LS1214



# SERVICE DRAWING

MODEL NO. LS1214



## ► Repair

**CAUTION: First of all, detach the saw blade for your safe repair.**

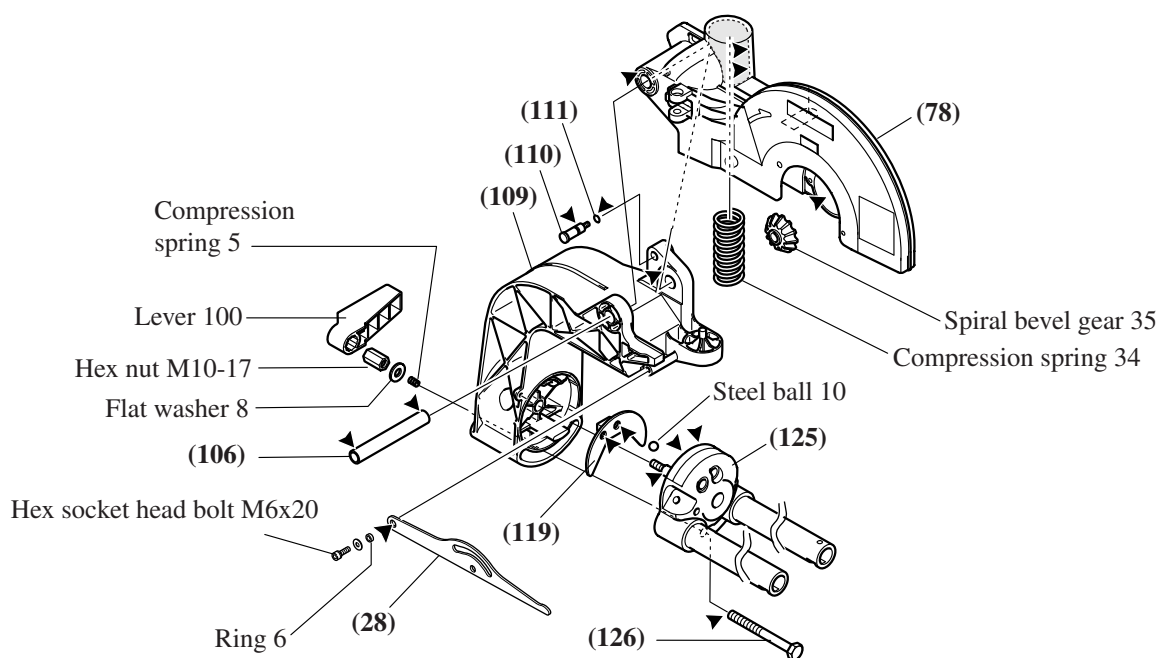
### [1] LUBRICATION

Apply MAKITA grease SG. No.0 or N.No.2 to the following portions designated by black triangle to protect parts and product from unusual abrasion.

#### [1]- 1. Lubrication to Blade case, Arm and Arm holder complete

Item No.	Parts Name	Portion to be lubricated
(28)	Link plate	Hole for accepting ring 6
(78)	Blade case	Gear room where spiral bevel gear 35 rotates      Apply approx. 20g grease.
		Pivot portion where (109) arm contacts
		Inside of hole for accepting compression spring 34
(106)	Pipe 16-113	Its both end where (78) blade case contacts.
(109)	Arm	Pivot portion where (78) blade case contacts
(110)	Stopper pin	Its surface for smooth sliding in the hole of (109) arm
(111)	O ring 7	Its whole portion
(119)	Guide plate	The side where steel ball 10 contacts.
(125)	Arm holder complete	Its edge around which (109) arm pivots.
		Shaft portion which is inserted into the accepting hole of (109) arm
(126)	Hex bolt M10-100	The end where hex nut M10-17 is mounted

**Fig. 1**

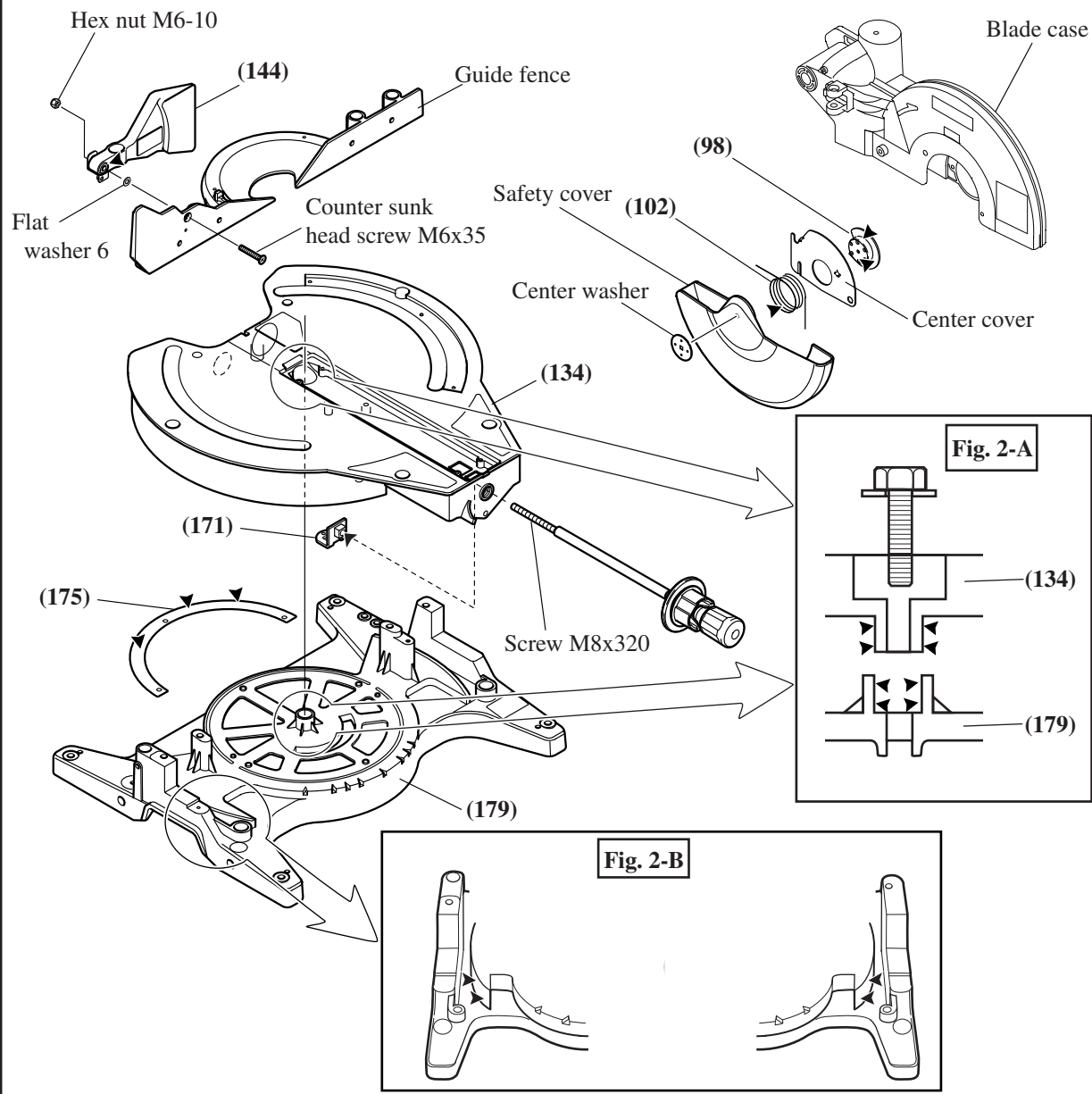


► Repair

[1]- 2. Lubrication to Base, Turn base and Safety cover

Item No.	Parts Name	Portion to be lubricated	
(98)	Center plate	Brim portion where center cover contacts	
		Cylindrical portion where (102) torsion spring 45 contacts	
(102)	Torsion spring 45	Its whole portion	
(134)	Turn base	Surface of the cylindrical portion which is inserted into the accepting hole of (179) base complete, See Fig. 2-A	
(144)	Sub fence	Its pivot portion which contacts guide fence	
(171)	Stopper holder	Its threaded portion which accepts screw M8x320	
(175)	Slide plate	Surface where (134) turn base contacts	
(179)	Base complete	Inside of accepting hole for (134) turn base, See Fig. 2-A	
		Left and right side of the projection for turn base moving, See Fig. 2B	

**Fig. 2**





► **Repair**

**[2] DISASSEMBLING/ASSEMBLING**

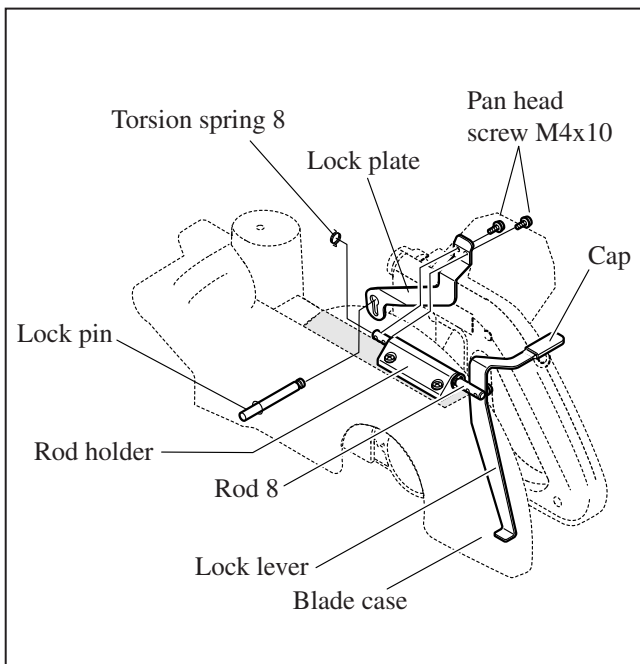
**[2]- 1. Disassembling/Assembling Safety Lock Mechanism**

**Note:** LS1214 and LS1214F for Europe, South Africa and China are equipped with the safety lock mechanism. When disassembling/assembling, follow the procedures described below and on next page.

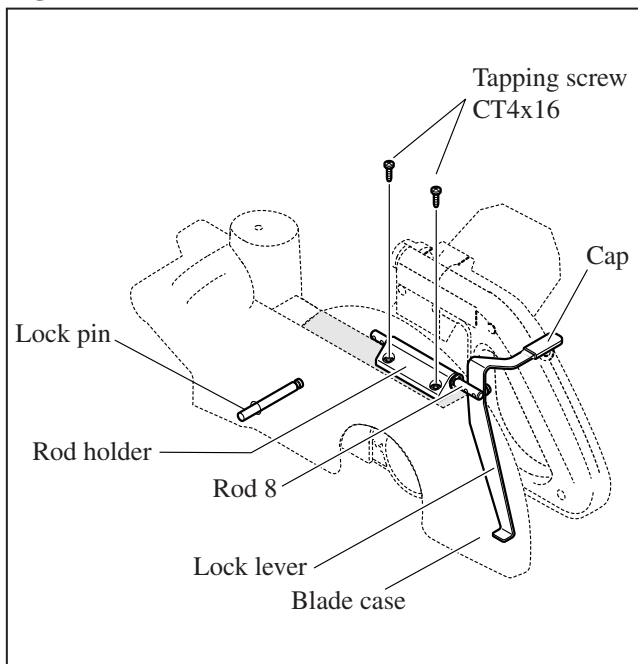
**DISASSEMBLING**

- 1) Remove 2 pcs. of pan head screw M4x10, and then, remove lock plate and torsion spring 8 from rod 8. **(Fig. 3)**
- 2) Remove 2 pcs. of tapping screw CT4x16. **(Fig. 4)** Now rod holder can be removed from rod 8. **(Fig. 5)**
- 3) Remove lock lever with rod 8 as illustrated in **Fig. 6**.  
(By passing the cap side of lock lever through the loop of handle, it is possible to remove lock lever with rod 8.)

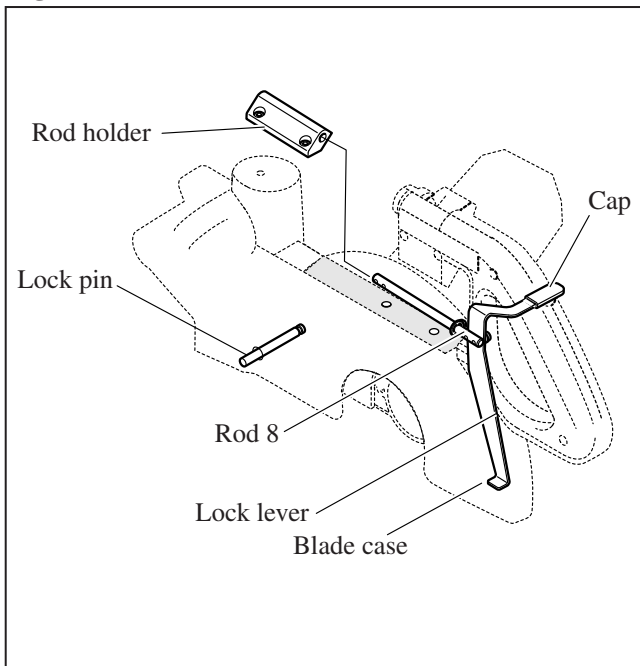
**Fig. 3**



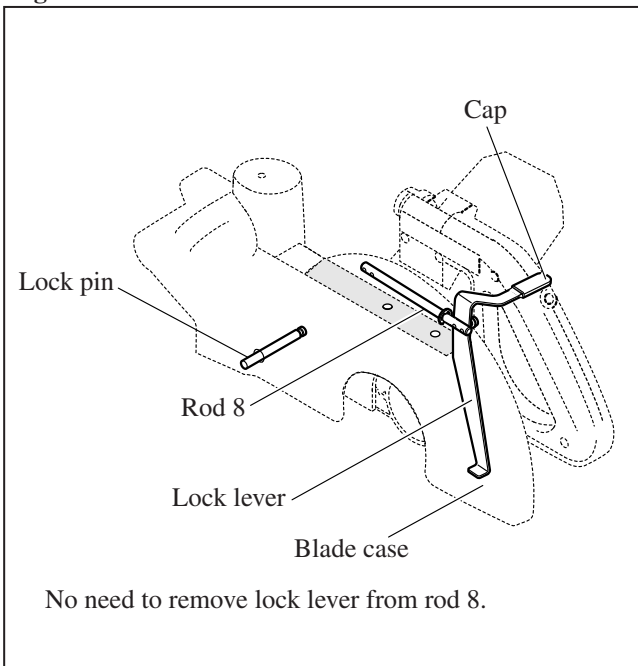
**Fig. 4**



**Fig. 5**



**Fig. 6**



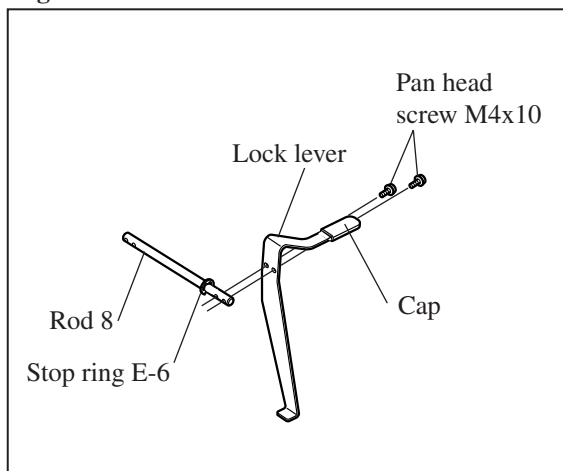
## ► Repair

### [2]- 1. Disassembling/Assembling Safety Lock Mechanism (cont.)

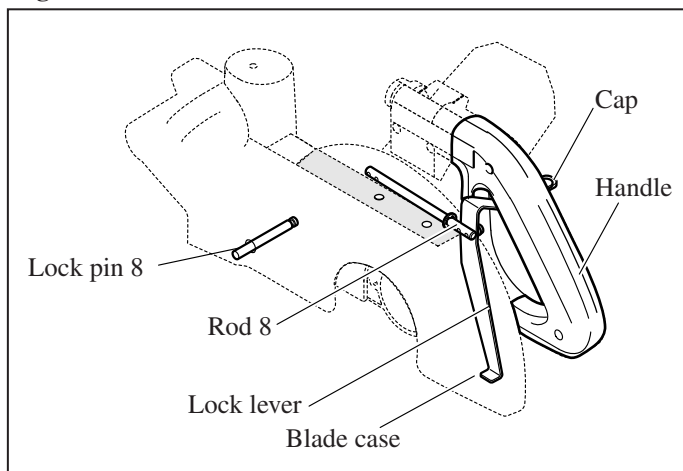
#### ASSEMBLING

- 1) Install lock lever on rod 8 as illustrated in **Fig. 7**.
- 2) Place the lock lever as follows (**Fig. 8**);
  - \*Rod 8: between blade case and handle
  - \*Cap of lock lever: in the loop of handle, near the switch trigger

**Fig. 7**

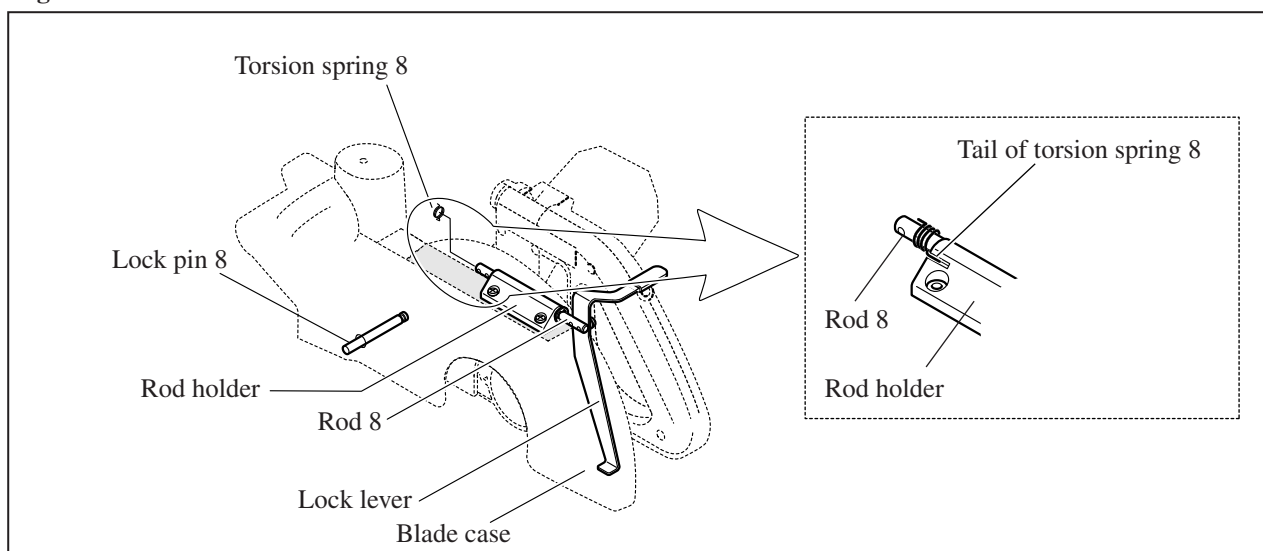


**Fig. 8**



- 3) Mount rod holder to rod 8 by first doing as illustrated in **Fig. 5** and then in **Fig. 4**.
- 4) Mount torsion spring 8 to rod 8 and hold the tail of the torsion spring on rod holder. (**Fig. 9**)

**Fig. 9**



## ► Repair

### [2]- 1. Disassembling/Assembling Safety Lock Mechanism (cont.)

#### ASSEMBLING

- 5) Mount lock plate for linking the action of lock lever with the same of lock pin 8 which locks saw unit at the rest position, in the following order.
1. After passing lock pin 8 through the large hole of lock plate, lift up lock plate in order to link it with lock pin 8 at the elliptic hole of lock plate. (**Fig. 4-4**)
  2. While keeping the linkage of lock plate with lock pin 8, secure lock plate to rod 8 with 2 pcs. of pan head screw M4x10. Do not forget to hold the another tail of torsion spring 8 with fin of lock plate, in this step. But be careful, not to pinch torsion spring 8 itself between rod 8 and lock plate. (**Fig. 4-5**)

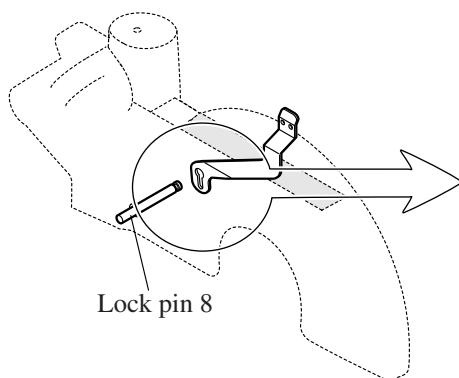


Fig. 4-4

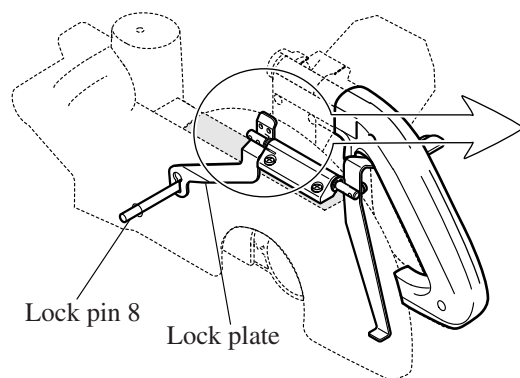
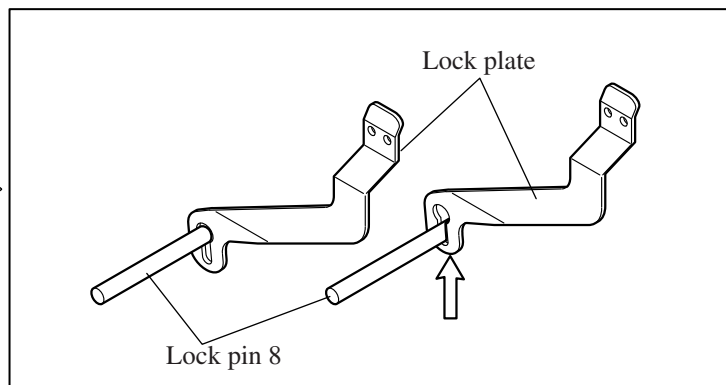
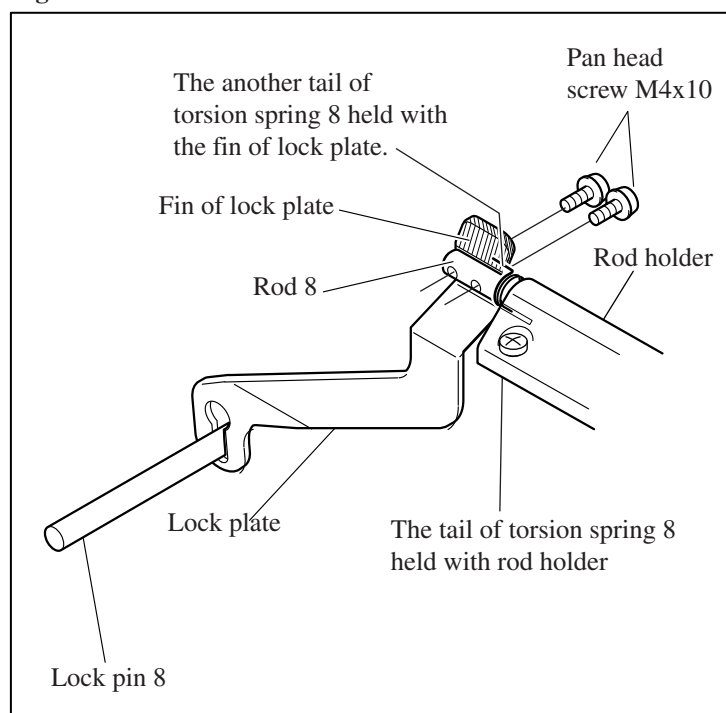


Fig. 4-5

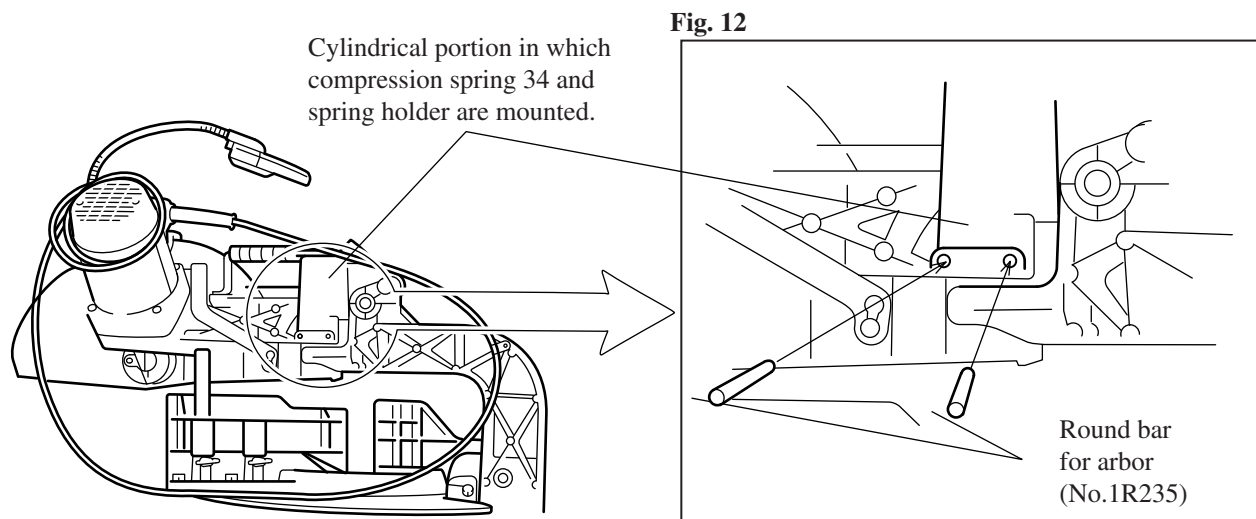


## ► Repair

### [2]- 2. Removal/Installation of Blade Case and Compression Spring 34

#### REMOVAL

- 1) While keeping the saw unit at the lowest position, insert two Round bars for arbor (No.1R235) into the side holes of cylindrical portion of blade case. (Fig. 12) Now the Round bars stop the saw unit to return to the rest position by keeping the compression spring 34 in the pressed condition.

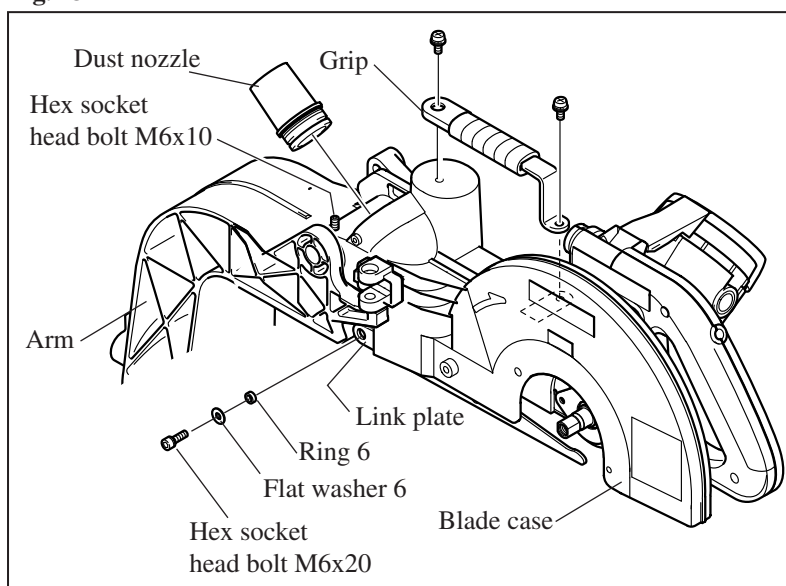


- 2) After removing grip, remove hex socket head bolt M6x20, flat washer 6 and ring 6 in order to disconnect the linkage of arm and blade case which are linked with link plate. And loosen hex socket head bolt M6x10, after removing dust nozzle. (Fig. 13)

#### Note:

No need to remove hex socket head bolt M6x10.

Fig. 13



- 3) Remove pipe 16-113 from arm. And separate saw unit (blade case and motor housing) from arm. (Fig. 14) When removing pipe 16-113, apply the following round bar to the pipe, and push out the pipe 16-113 by striking the applied round bar.

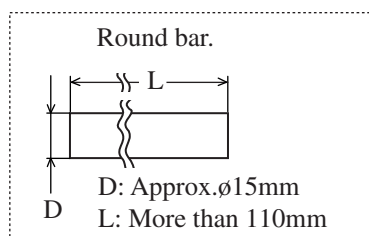
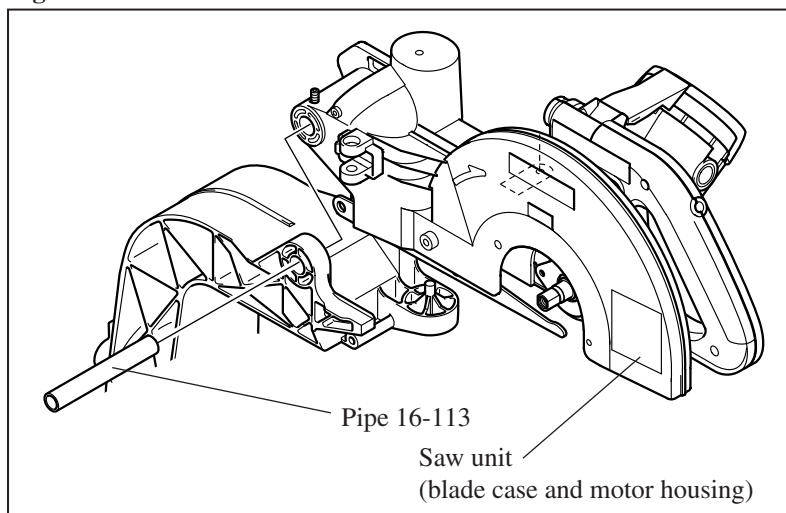


Fig. 14



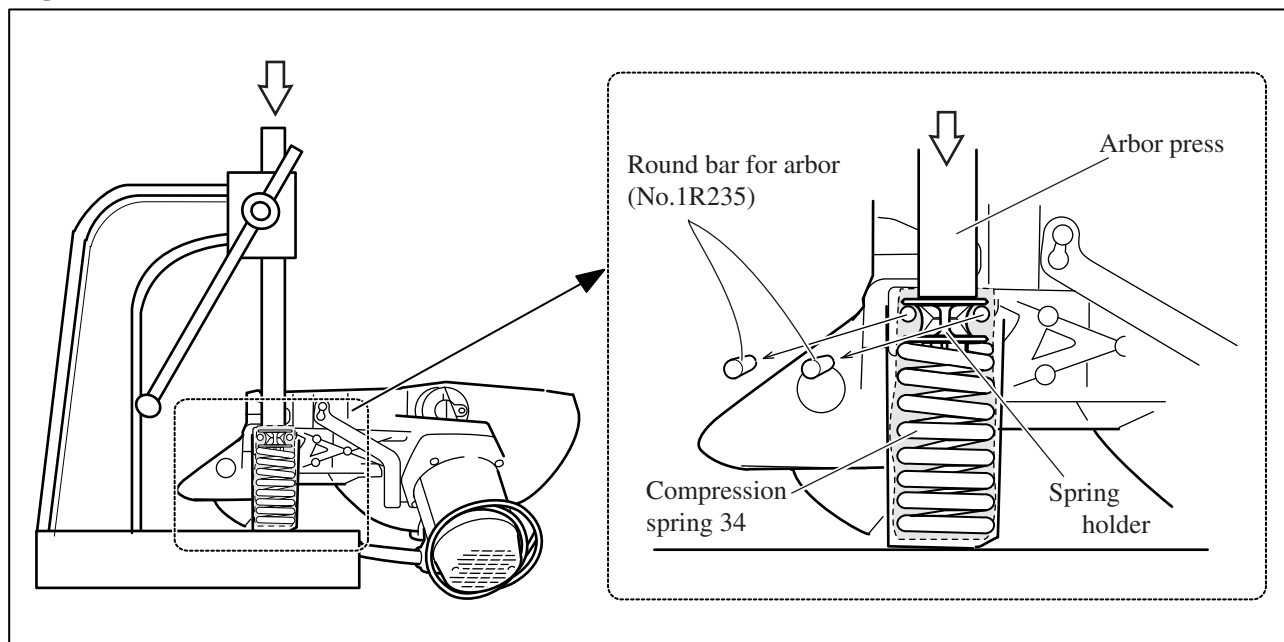
## ► Repair

### [2]- 2. Removal/Installation of Blade Case and Compression Spring 34 (cont.)

#### REMOVAL

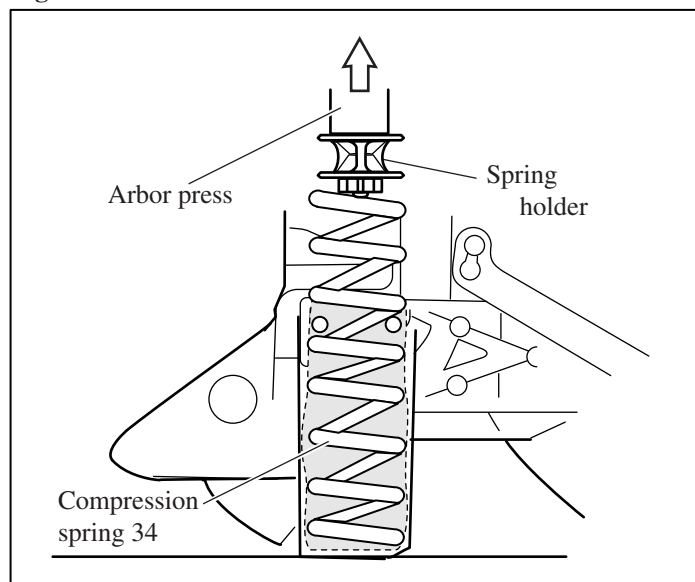
- 4) Set the removed saw unit (blade case and motor housing) on the arbor press as illustrated to left in **Fig. 15**.  
And press spring holder with arbor press.  
Pull off two Round bars while keeping spring holder pressed as illustrated to right in **Fig. 15**.

**Fig. 15**



- 5) Remove the pressure of arbor press gradually until compression spring 34 is stretched to its initial length.  
Now spring holder and the compression spring can be removed from saw unit. (**Fig. 16**)

**Fig. 16**



#### INSTALLATION

Do the reverse of the removing procedures as follows;

- 1) Set the saw unit (blade case and motor housing) on the arbor press.  
And press compression spring 34 and spring holder with arbor press. (**Fig. 15**)
- 2) Insert two Round bars (1R235) while pressing spring holder with arbor press. (**Fig. 15**)
- 3) Mount the saw unit to arm and pass pipe 16-113 through arm and blade case. (**Fig. 14**)
- 4) Secure the pipe 16-113 with hex socket head bolt M6x10. At this time, do not forget to install link plate on arm with hex socket head bolt M6x20. (**Fig. 13**)
- 5) While keeping the saw unit at the lowest position, pull off the inserted Round bars. (**Fig. 12**)

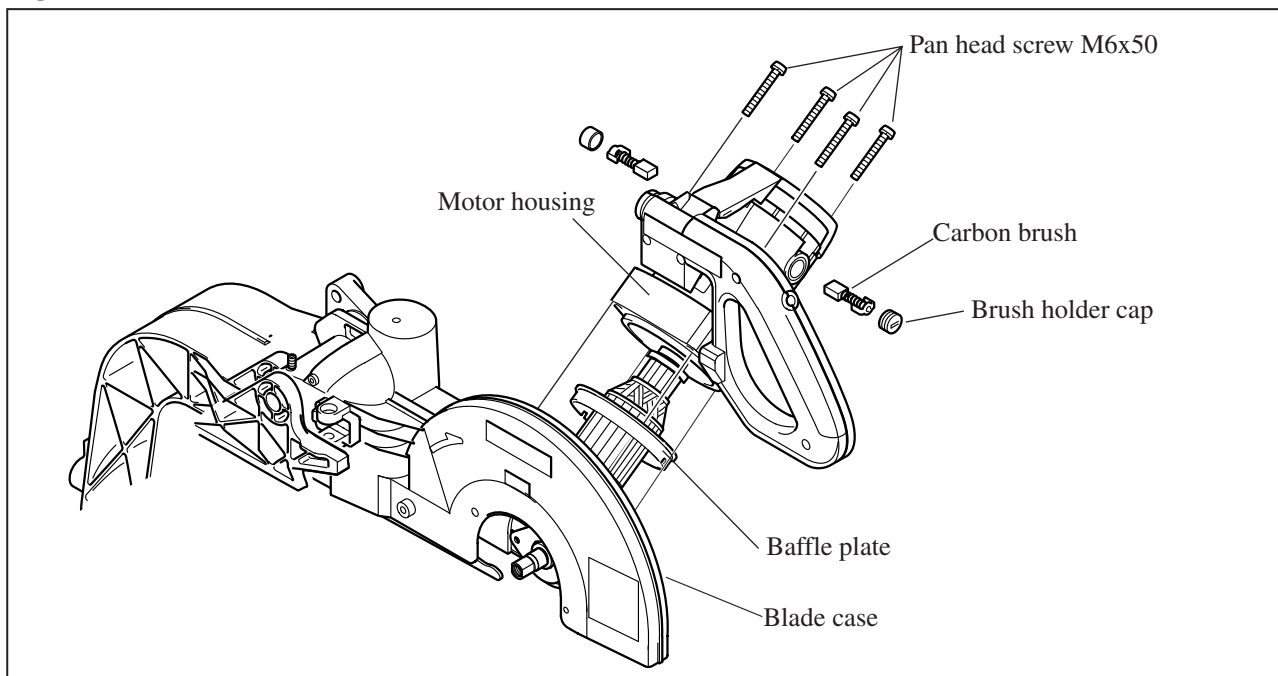
► **Repair**

**[2]- 3. Disassembling/Assembling Gear Section**

**DISASSEMBLING**

1) After removing brush holder cap and carbon brush, remove motor housing from blade case by removing four M6x50 pan head screws. And then remove baffle plate. (Fig. 17)

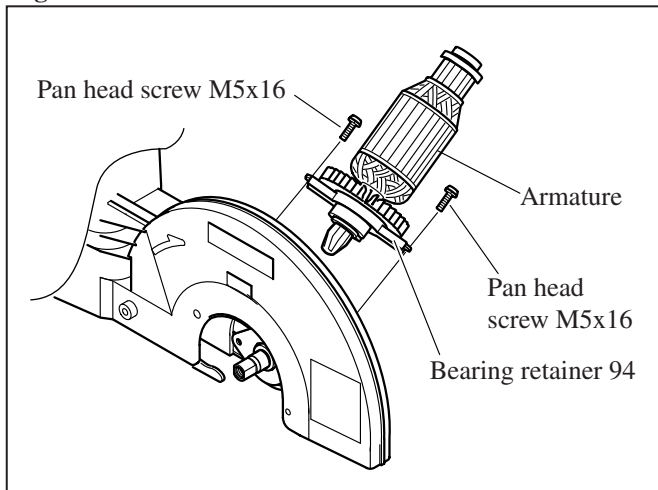
**Fig. 17**



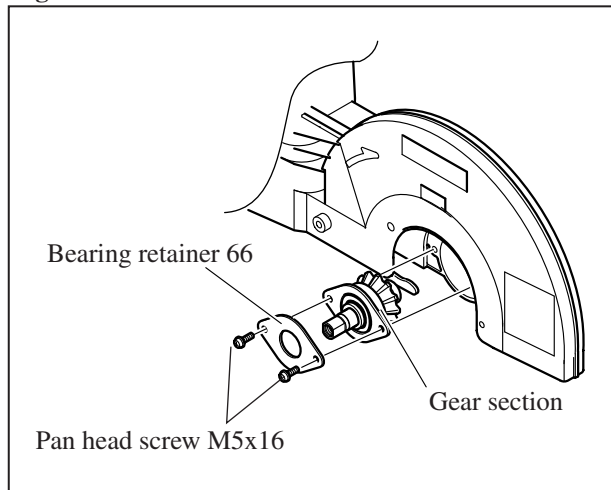
2) Remove two M5x16 pan head screws. Then armature can be removed from blade case as illustrated in Fig. 18.

3) Remove two M5x16 pan head screws and bearing retainer 66. Now the gear section can be separated from blade case. (Fig. 19)

**Fig. 18**

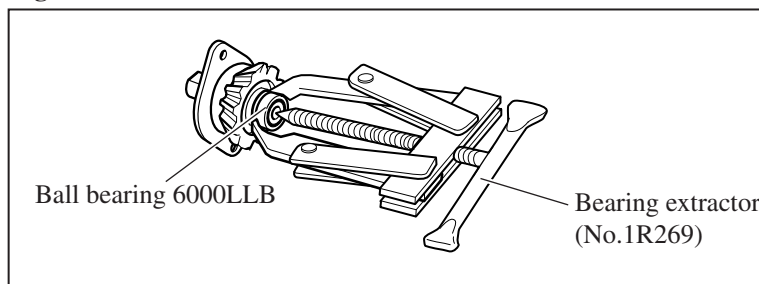


**Fig. 19**



4) Remove ball bearing 6000LLB using Bearing extractor (No.1R269). (Fig. 20)

**Fig. 20**



## ► Repair

### [2]- 3. Disassembling/Assembling Gear Section (cont.)

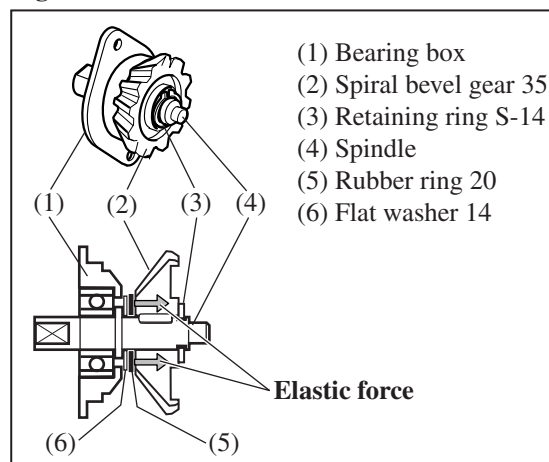
#### DISASSEMBLING

- Remove retaining ring S-14 from spindle using Retaining Ring S and R Pliers (No.1R269).

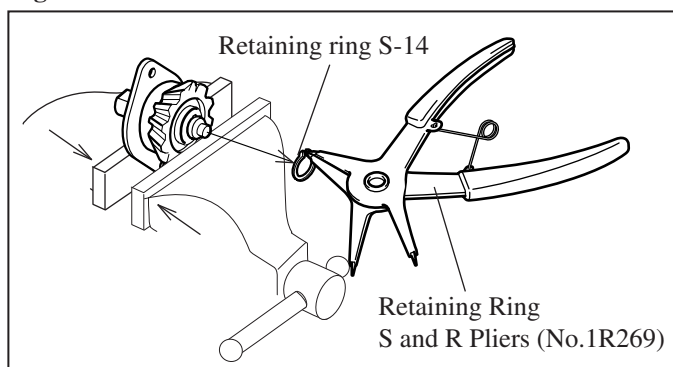
**Note:** You may find some difficulty in removal of retaining ring S-14. This is because the spiral bevel gear is being pushed toward retaining ring S-14 by the elastic force of rubber ring 20. (**Fig. 21**) In this case, set the gear section in a vise as illustrated in **Fig. 22**, and press spiral bevel gear 35 to counterbalance the elastic force of rubber ring 20. Now retaining ring S-14 will be removed easily using the Retaining ring pliers.

- Remove spiral bevel gear 35 and woodruff key 4 from spindle. And then, remove flat washer 14 and rubber ring 20. (**Fig. 23**)

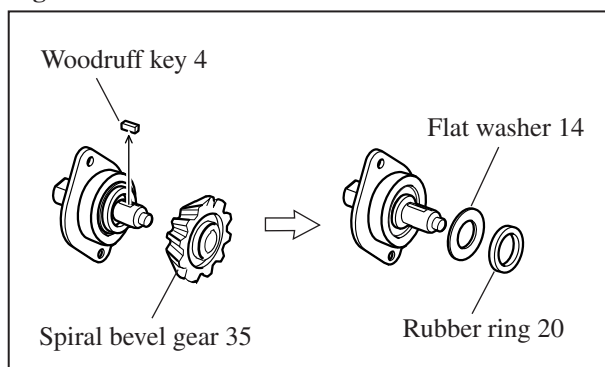
**Fig. 21**



**Fig. 22**



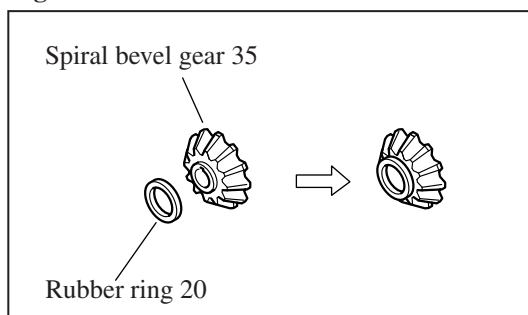
**Fig. 23**



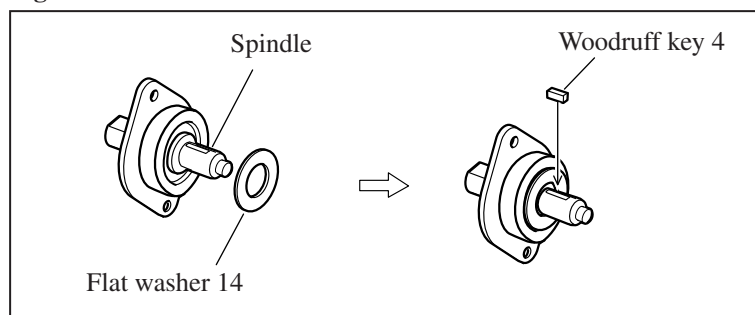
#### ASSEMBLING

- Install rubber ring 20 on spiral bevel gear 35. (**Fig. 24**)
- Install flat washer 14 and woodruff key 4 on spindle. And then install spiral bevel gear 35 with rubber ring 20 on spindle.

**Fig. 24**



**Fig. 25**

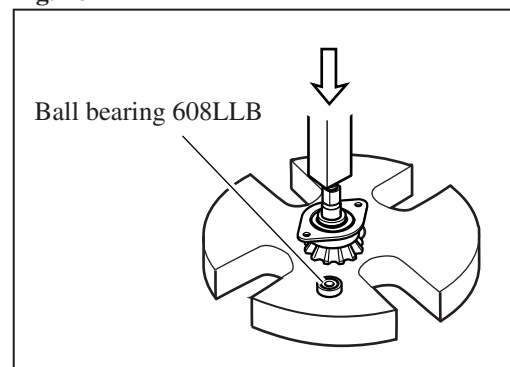


- Install retaining ring S-14 on spindle while pressing spiral bevel gear 35 toward bearing box using vise. (**Fig. 22**)

Make sure that retaining ring S-14 is securely put in the groove of spindle by turning the ring using retaining ring S and R pliers. If the ring turns in the groove on spindle smoothly, it is installed securely.

- Install ball bearing 608LLB on spindle using arbor press. (**Fig. 26**) Now assembling of gear section has been completed.
- Install assembled gear section on blade case by doing the reverse of disassembling procedure.

**Fig. 26**





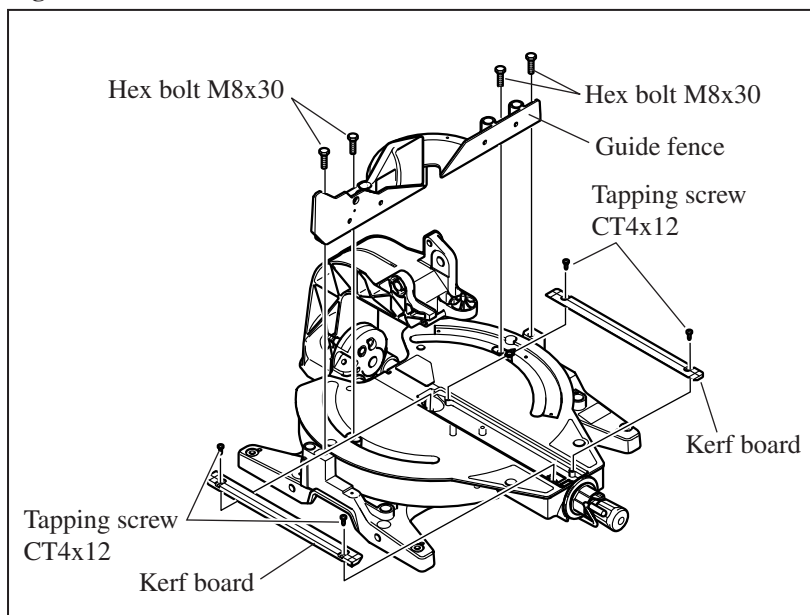
## ► Repair

### [2]- 4. Disassembling/Assembling Base Section

#### DISASSEMBLING

- 1) Separate guide fence from base section by removing four M8x30 hex bolts. And remove a pair of kerf boards by removing four CT4x12 tapping screws. (Fig. 27)

Fig. 27



- 2) Separate turn base from base by removing hex bolt M8x40 with 13mm socket wrench. (Fig. 28)  
Remove turn base while pushing down lock lever in the direction of the arrow. (Fig. 29)

Fig. 28

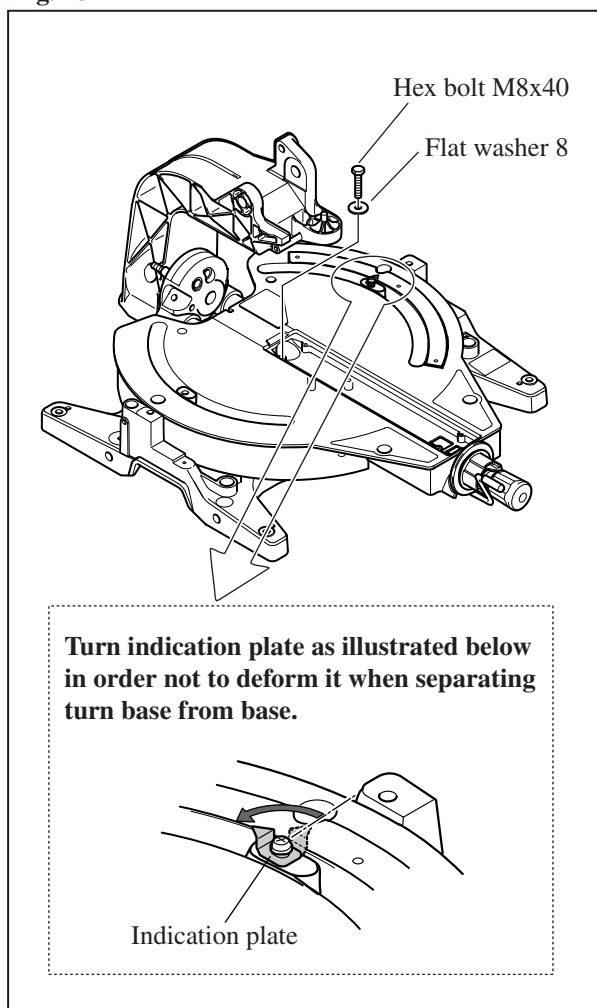
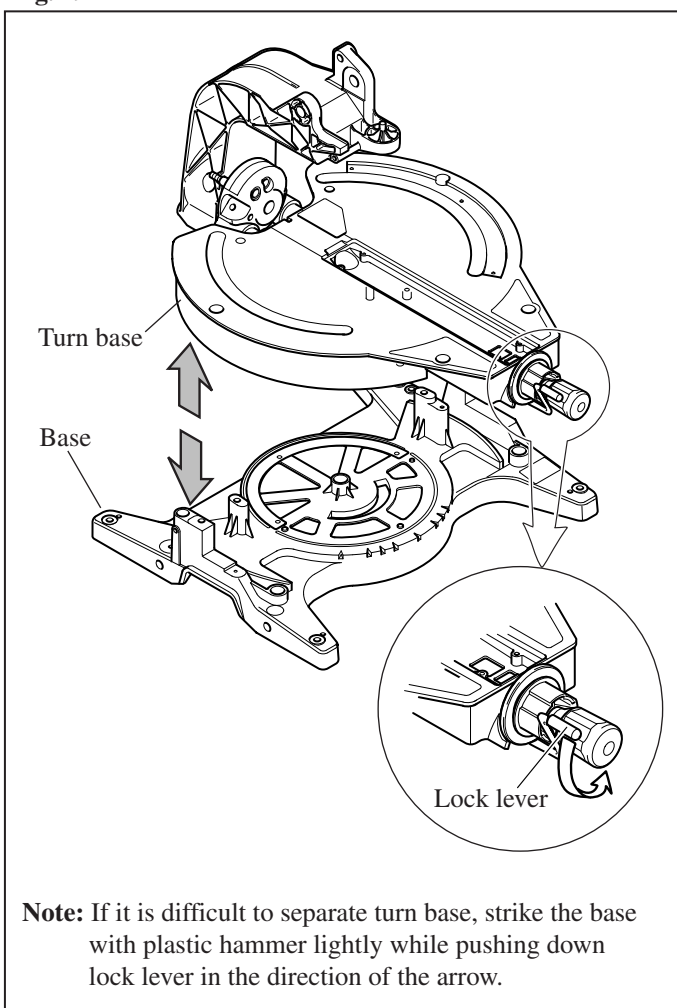


Fig. 29





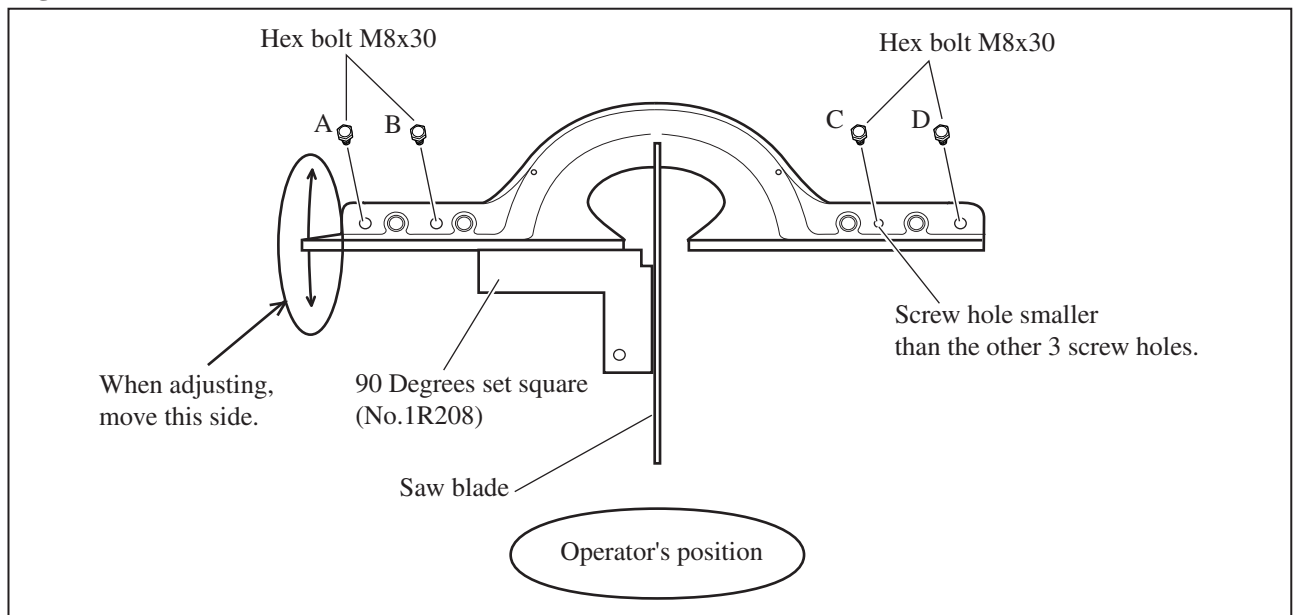
► **Repair**

**[2]- 4. Disassembling/Assembling Base Section (cont.)**

**ASSEMBLING**

- 1) Before starting assembly, be sure to apply grease to base, slide plate and turn base as illustrated in **Fig. 2**.  
After the lubrication, install turn base on base as illustrated in **Fig. 29**.
- 2) Tighten hex bolt M8x40 with 13mm socket wrench. (**Fig. 28**)  
**Note:** Be sure to tighten Hex bolt M8x40 so that turn base can move smoothly without wobbling.
- 3) Install kerf board onto turn base. (**Fig. 27**)  
And then, following the procedures listed below, install guide fence while doing squaring adjustment. (**Fig. 30**);
  1. Provisionally tighten M8x30 hex bolt (C) into the smaller screw hole on the right side of guide fence when viewed from operator's position.
  2. While checking the angle of guide rule to saw blade using 90 Degrees set square (No.1R208), pivot the guide fence by moving its left end until the angle is 90 degrees.
  3. After completion of squaring adjustment, securely tighten four M8x30 hex bolts; first A and D, then B and C.

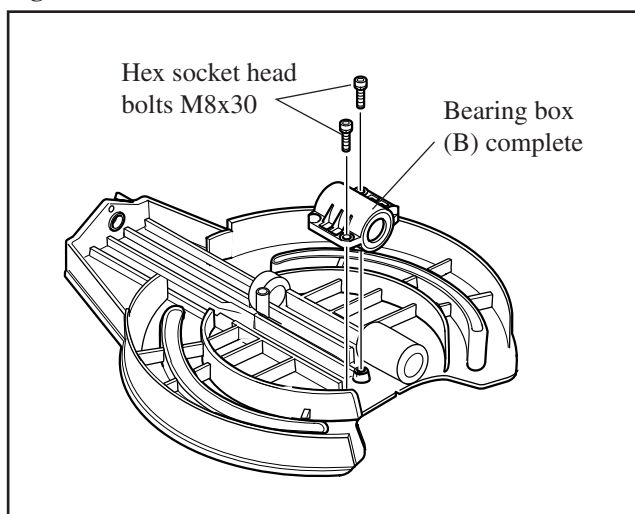
**Fig. 30**



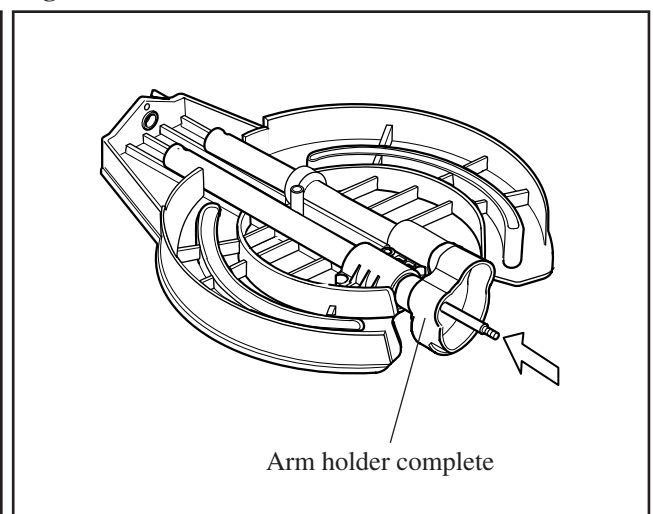
**[2]- 5. Installation of Bearing Box (B) Complete**

- 1) Provisionally fasten bearing box (B) complete to turn base with two M8x30 hex socket head bolts. (**Fig. 31**)
- 2) Install arm holder complete on turn base, and push it until it stops. And then securely fasten bearing box (B) complete to turn base by tighten the M8x30 hex socket head bolts firmly. (**Fig. 32**)

**Fig. 31**



**Fig. 32**



## ► Repair

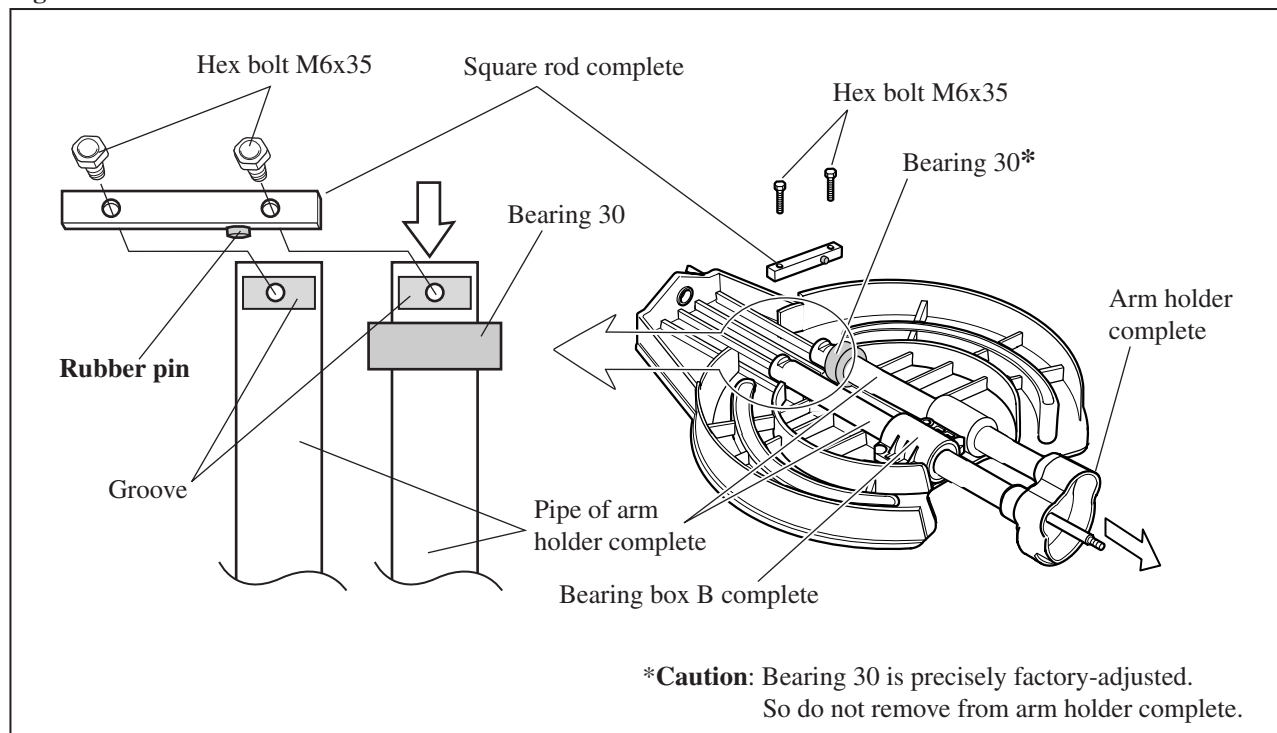
### [2]- 6. Installation of Square Rod

- 1) Slide arm holder complete so that the grooves on the pipe of square rod complete are positioned closest to bearing 30 (Fig. 33)
- 2) Fasten square rod complete to arm holder complete with two M6x35 hex bolts. (Fig. 33)

**Note: Be sure that square rod complete is not reversible when installed on arm holder complete.**

**Install so that the rubber pin of square rod complete faces bearing 30 as illustrated to left in Fig. 33.**

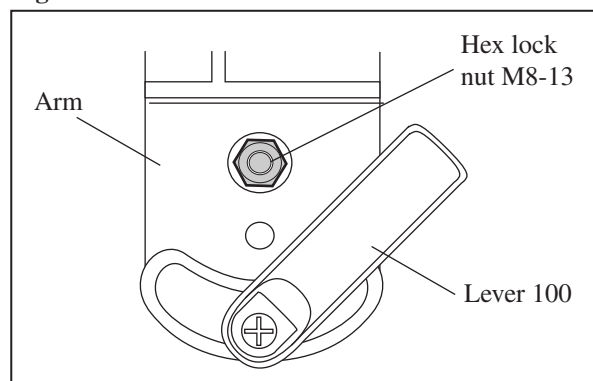
Fig. 33



### [2]- 7. Installation of Arm

When installing arm, remember to adjust hex lock nut M8-13 so that the arm can tilt smooth without wobbling (Fig. 34)

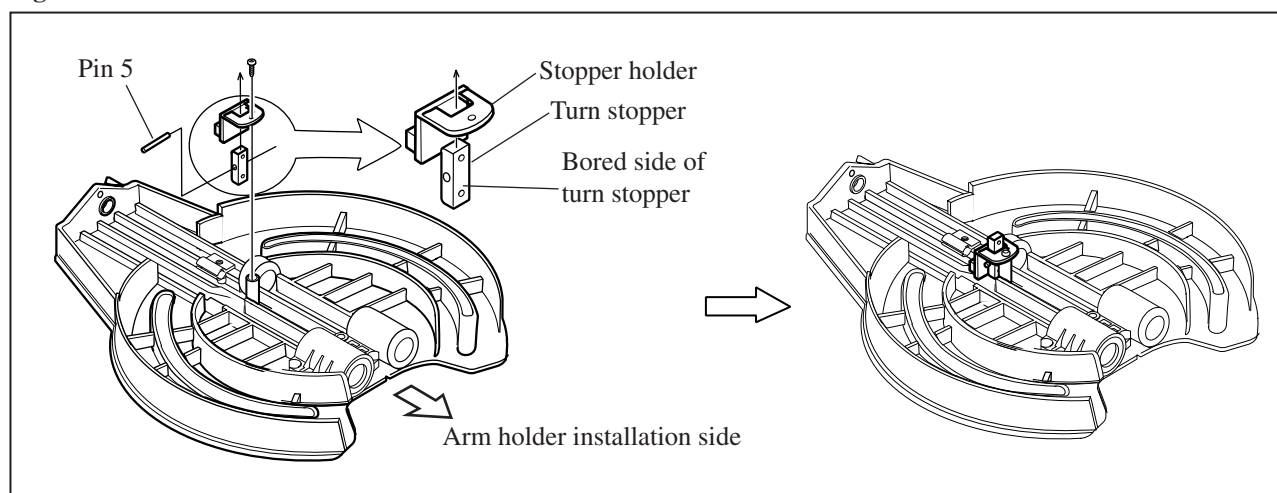
Fig. 34



### [2]- 8. Installation of Turn Stopper

Turn stopper is not reversible when installed. Assemble to stopper holder so that the side having distinctive holes faces the arm holder installation side. (Fig. 35)

Fig. 35

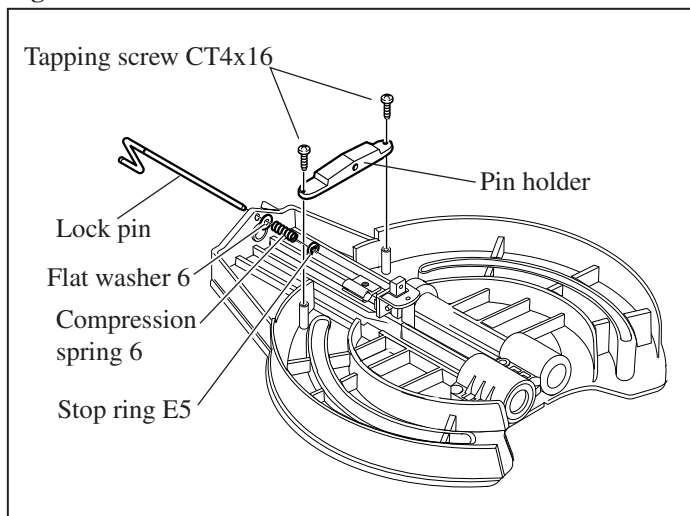


► **Repair**

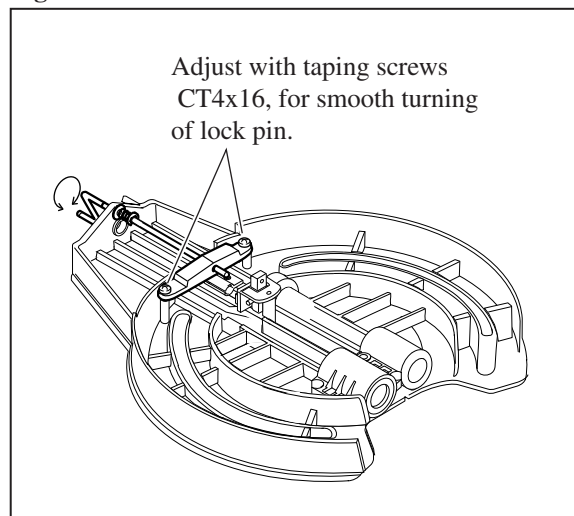
**[2]- 9. Installation of Pin Holder**

- 1) Mount pin holder and lock pin, flat washer 6, compression spring 6 and stop ring E5 as illustrated in **Fig. 36**.
- 2) Remember to adjust CT4x16 tapping so that screw lock pin can turn smoothly. (**Fig. 37**)

**Fig. 36**



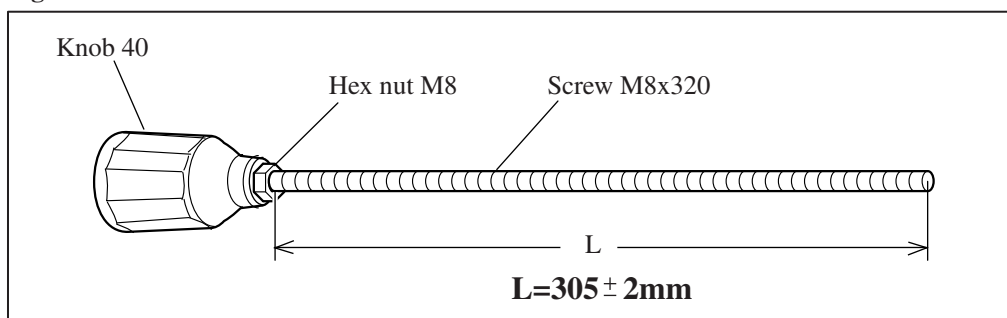
**Fig. 37**



**[2]- 10. Assembling Screw M8x320 to Knob 40**

- After inserting screw M8x320 into knob 40, adjust the length of screw M8x320 to 305+2mm. And then tighten hex nut M8 to fastening torque of 100kg.cm or more. (**Fig. 38**)

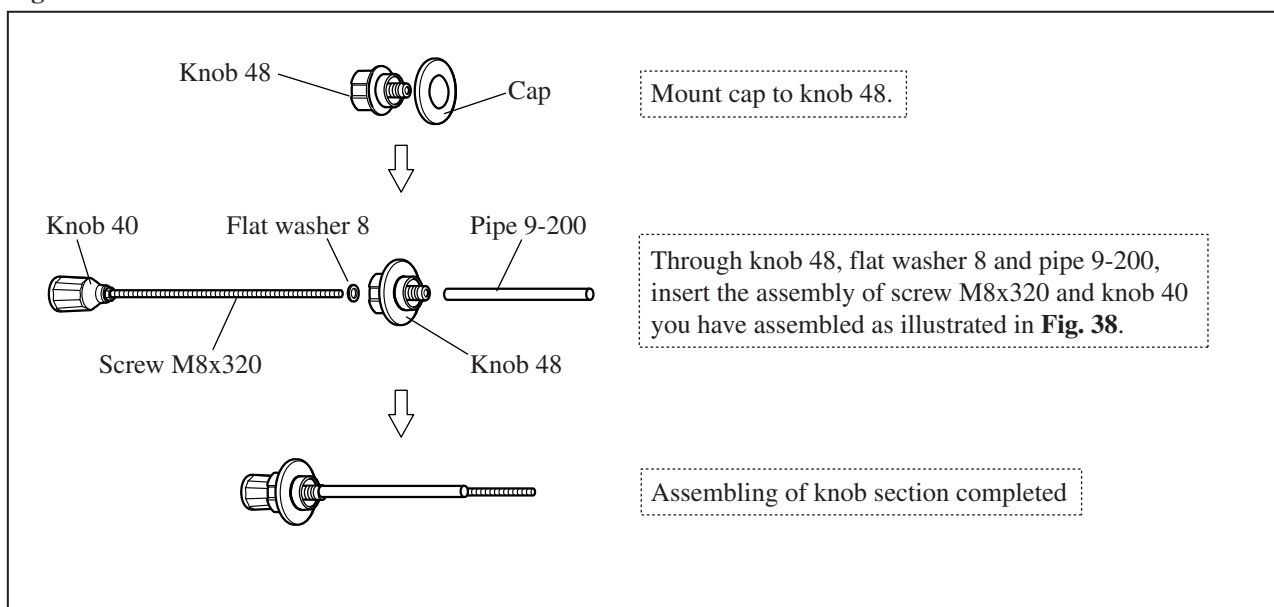
**Fig. 38**



**[2]- 11. Assembling Knob Section to Turn Base**

- 1) Assemble knob section as illustrated in **Fig. 39**.

**Fig. 39**



## ► Repair

### [2]- 11. Assembling Knob Section to Turn Base (cont.)

- 2) Insert the assembled knob section through the hole in turn base, and insert screw M8x320 through slide stopper. And then secure screw M8x320 to stopper holder by turning knob 40. (Fig. 40)
- 3) Turn knob 48 in order to secure the knob section to turn base. (Fig. 41)

Fig. 40

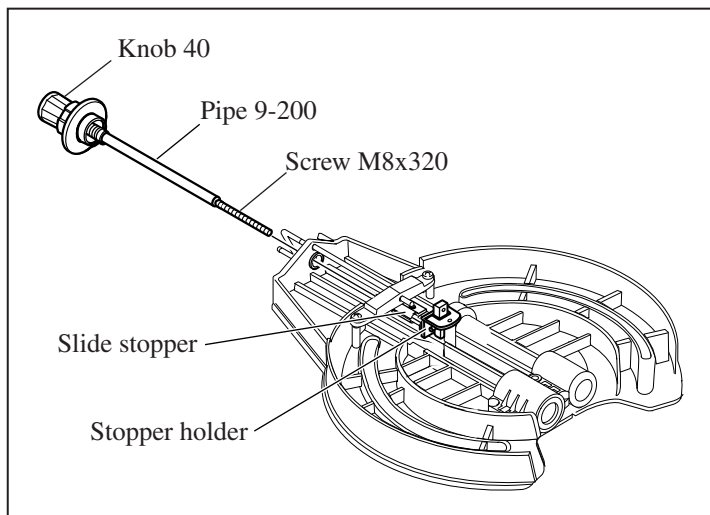
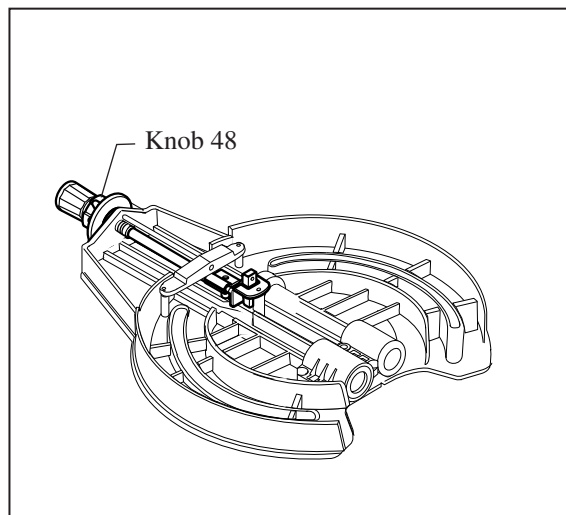


Fig. 41



**Note:**

If you remove only knob 40 from turn base by mistake, screw M8x320 will be pulled together, and consequently pipe 9-200 will fall off turn base.

In this case, following the procedure described above, install pipe 9-200 in place.

### [3] ADJUSTMENT

#### [3]- 1. Angle Adjustment of Saw Blade

**CAUTION: Make sure that the machine is unplugged before adjusting saw blade.**

- 1) For adjusting the miter angle of saw blade to 0 degrees; use 90 degrees set square (No.1R208) as illustrated in Fig. 30.
- 2) For adjusting the bevel angle of saw blade to 0 degrees; use 90 degrees set square (No.1R208) as illustrated in Fig. 42.  
For adjusting the bevel angle of saw blade to 45 degrees; first adjust the bevel angle of saw blade to 0 degrees, and then adjust to 45 degrees using 45 degrees set square (No.1R207) as illustrated in Fig. 43.

Fig. 42

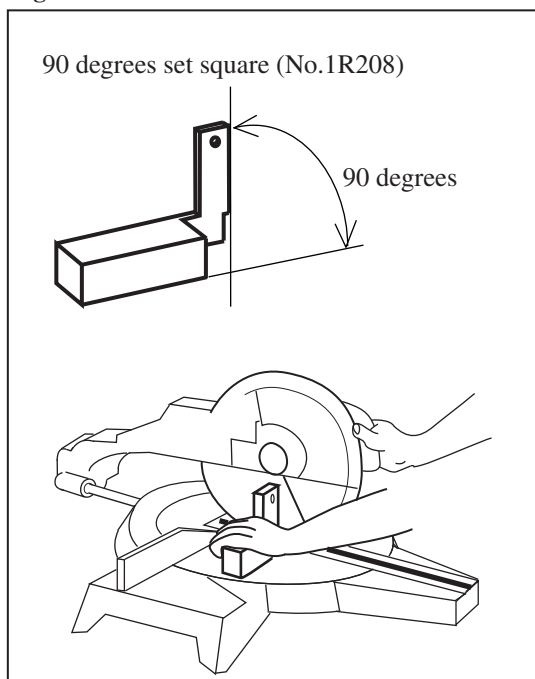
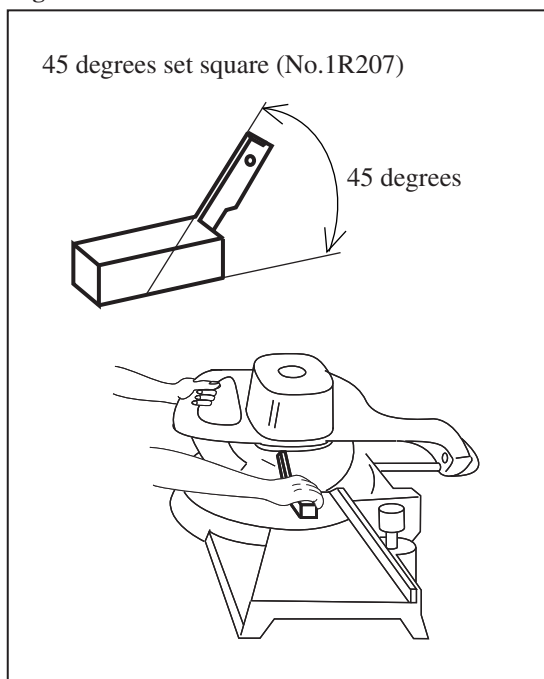


Fig. 43



## ► Repair

### [3]- 1. Angle Adjustment of Saw Blade (cont.)

3) For Adjusting to the max. cutting depth of 115mm;

Put a timber of 115mm height between blade case and turn base, and lower the saw head until the blade case contacts the timber. (Fig. 44)

While keeping the saw head at the height, tighten hex bolt M8x45. (Fig. 45)

Fig. 44

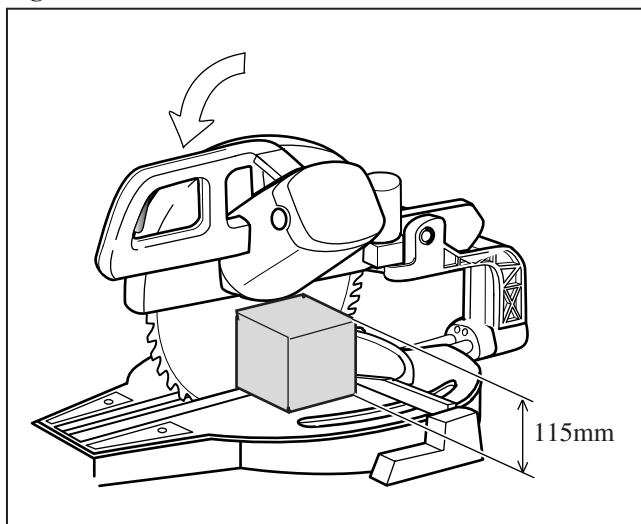
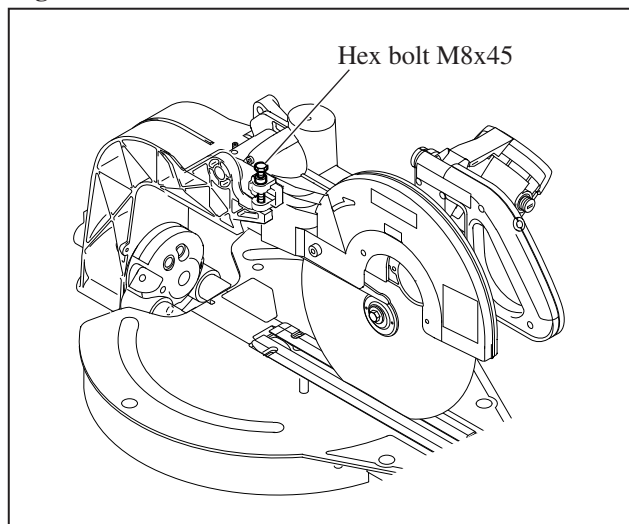


Fig. 45



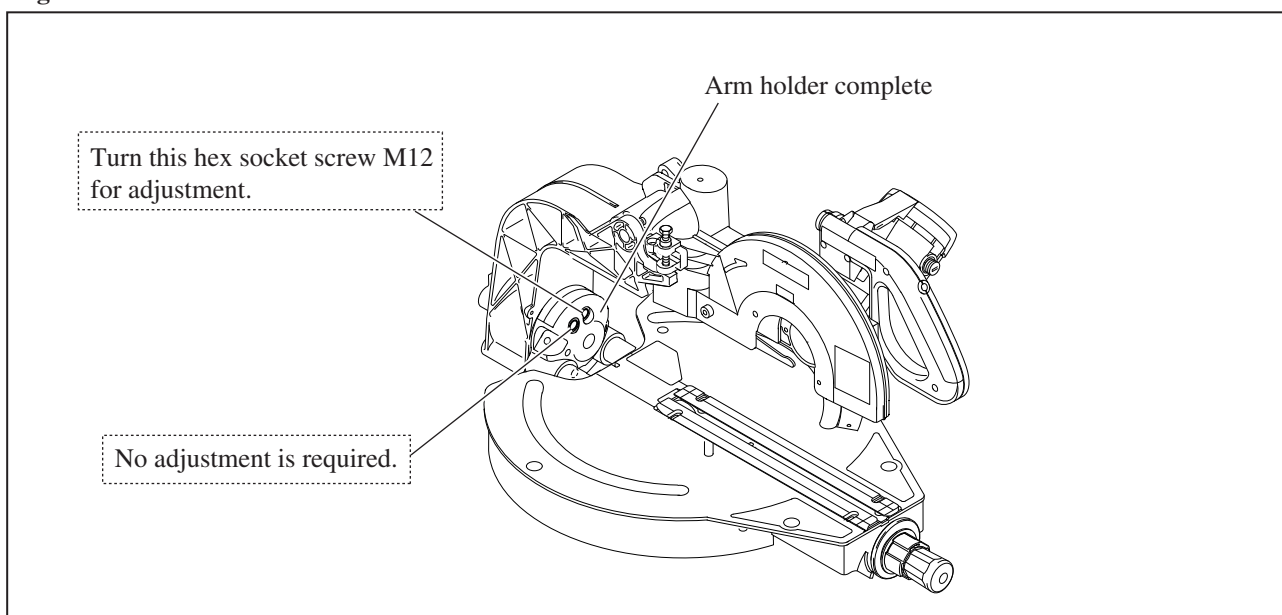
### [3]- 2. Adjustment for Smooth Locking Action of Positive Stop at 0 Degrees Bevel

Two steel balls and compression springs are used for positive stop locking of the saw head at 0 degrees bevel.

If the locking action of positive stop is tight or loose, do adjustment for \*proper locking action by turning the hex socket screw M12 located on the vertical centerline of arm holder complete. (Fig. 46)

\*Proper locking action: If adjusted properly, the foot of base will not be lifted up at the moment when the saw head is released from the two ball bearings.

Fig. 46



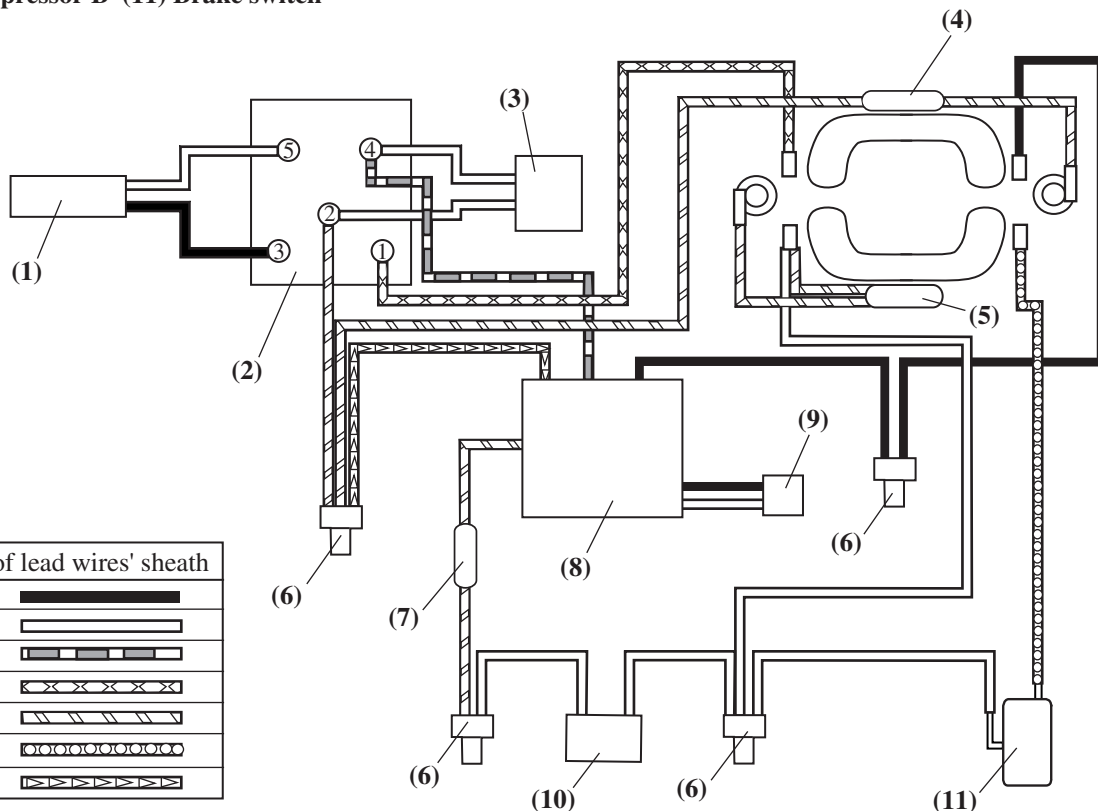
► **Circuit diagram**

**[1] LS1214 for High Voltage Countries**

**With noise suppressors and choke coils for conforming to radio interference suppression**

- (1) Power supply cord (2) Main switch (ON/OFF switch) (3) Noise suppressor A (4) Choke coil A  
 (5) Choke coil B (6) Insulated connector (7) Choke coil C (8) Controller (9) Pick up coil  
 (10) Noise suppressor B (11) Brake switch

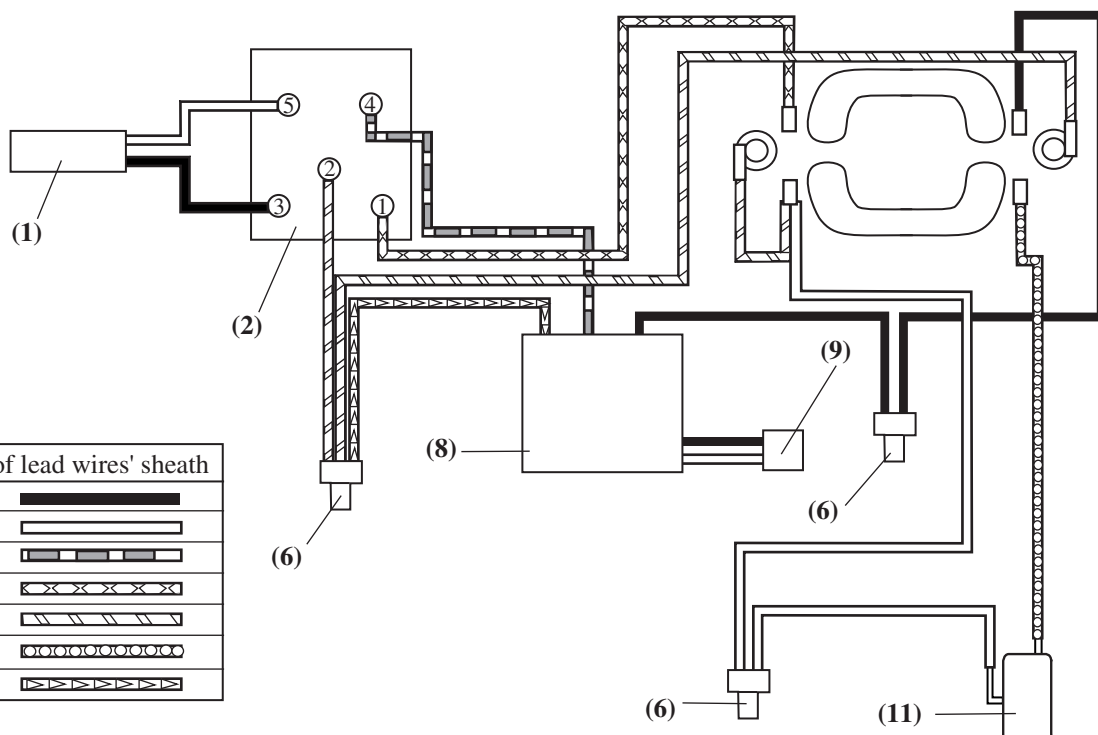
Color index of lead wires' sheath	
Black	
White	
Red	
Yellow	
Orange	
Purple	
Brown	



**Without noise suppressor and choke coil**

- (1) Power supply cord (2) Main switch (ON/OFF switch) (6) Insulated connector  
 (8) Controller (9) Pick up coil (11) Brake switch

Color index of lead wires' sheath	
Black	
White	
Red	
Yellow	
Orange	
Purple	
Brown	

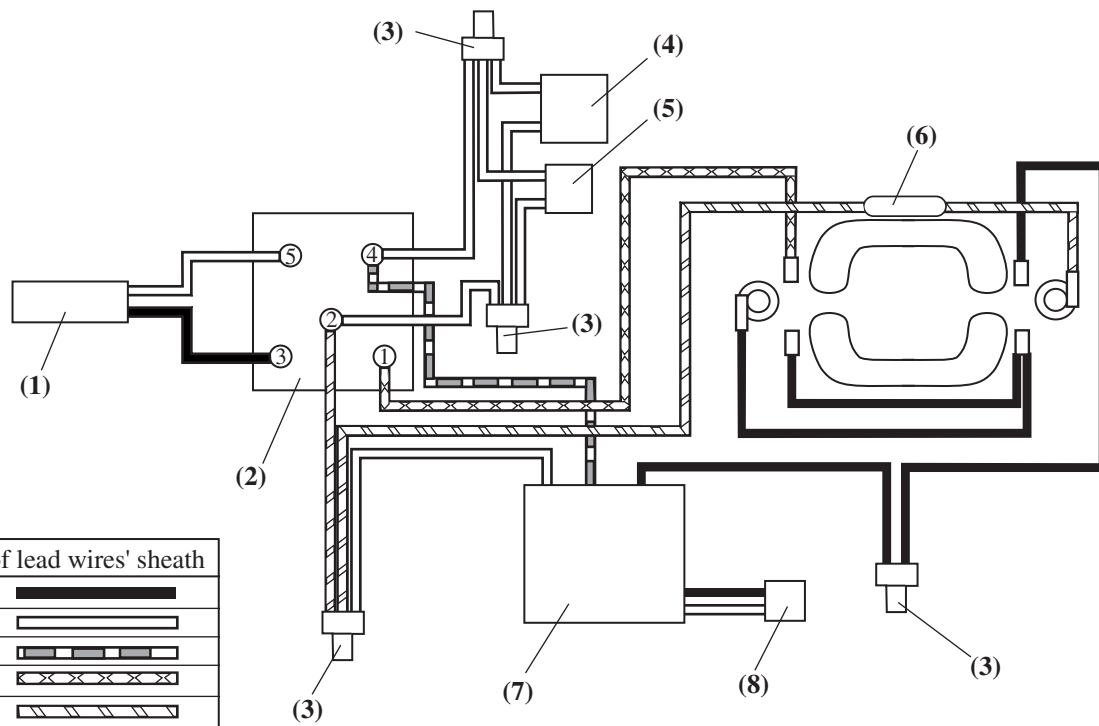


► **Circuit diagram**

[2] LS1214 for Low Voltage Countries

**With noise suppressors and choke coils for conforming to radio interference suppression**

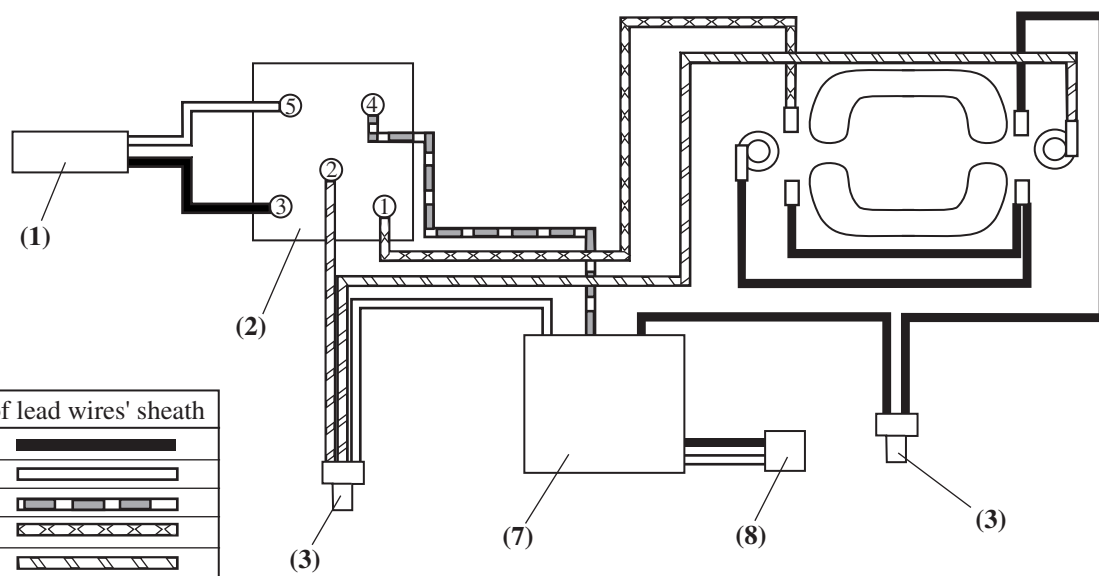
- (1) Power supply cord (2) Main switch (ON/OFF switch) (3) Insulated connector (4) Noise suppressor A  
 (5) Noise suppressor B (6) Choke coil (7) Controller (8) Pick up coil



Color index of lead wires' sheath	
Black	
White	
Red	
Yellow	
Orange	

**Without noise suppressor and choke coil**

- (1) Power supply cord (2) Main switch (ON/OFF switch) (3) Insulated terminal  
 (7) Controller (8) Pick up coil



Color index of lead wires' sheath	
Black	
White	
Red	
Yellow	
Orange	

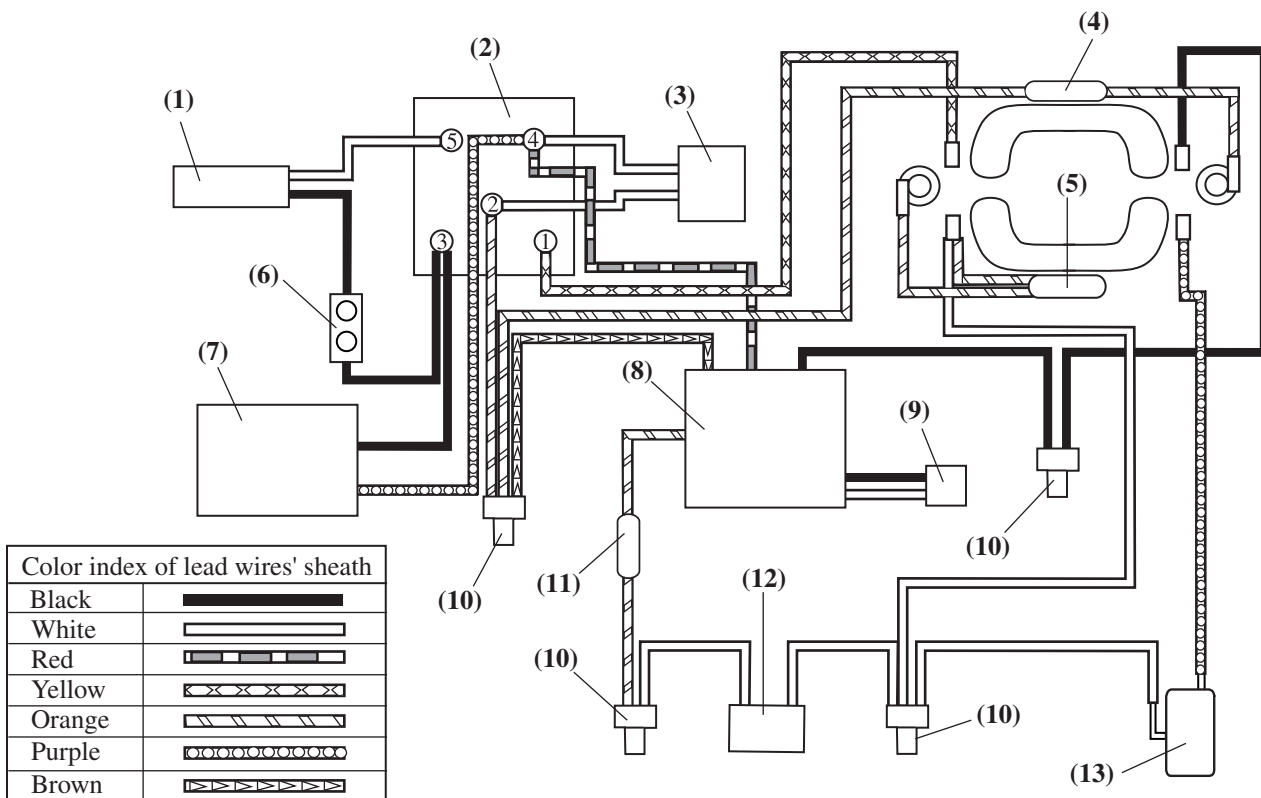


► **Circuit diagram**

**[3] LS1214F for High Voltage Countries**

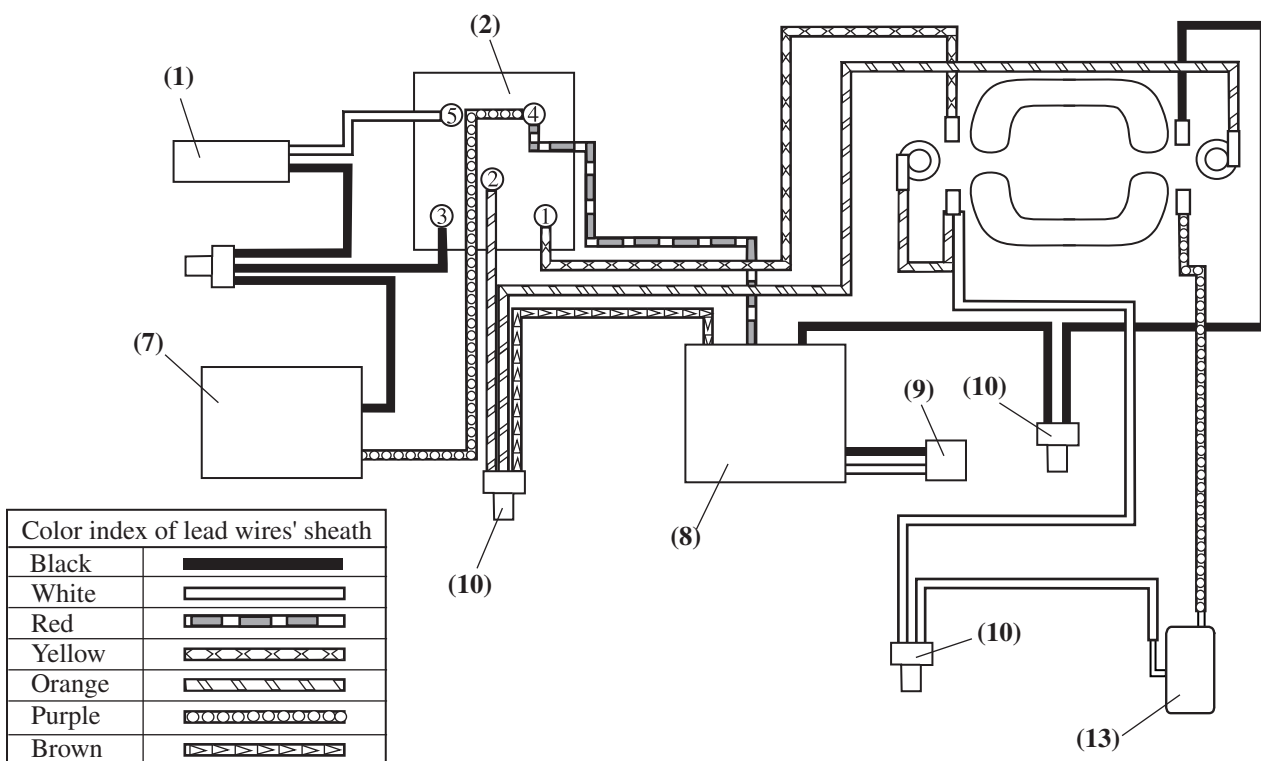
**With noise suppressors and choke coils for conforming to radio interference suppression**

- (1) Power supply cord (2) Main switch (ON/OFF switch) (3) Noise suppressor A (4) Choke coil A  
 (5) Choke coil B (6) Terminal block (7) Light assembly (8) Controller (9) Pick up coil  
 (10) Insulated connector (11) Choke coil C (12) Noise suppressor B (13) Brake switch



**Without noise suppressor and choke coil**

- (1) Power supply cord (2) Main switch (ON/OFF switch) (7) Light assembly  
 (8) Controller (9) Pick up coil (11) Brake switch





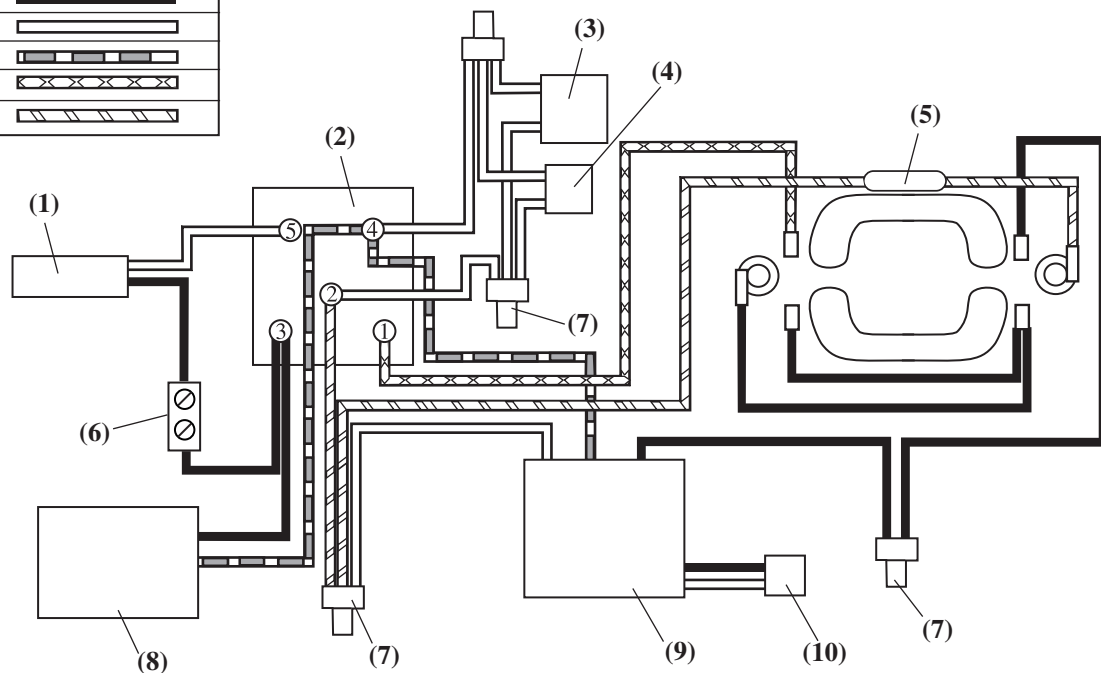
► **Circuit diagram**

**[4] LS1214F for Low Voltage Countries**

**With noise suppressors and choke coils for conforming to radio interference suppression**

- (1) Power supply cord (2) Main switch (ON/OFF switch) (3) Noise suppressor A (4) Noise suppressor B (5) Choke coil (6) Terminal block (7) Insulated connector (8) Light assembly (9) Controller

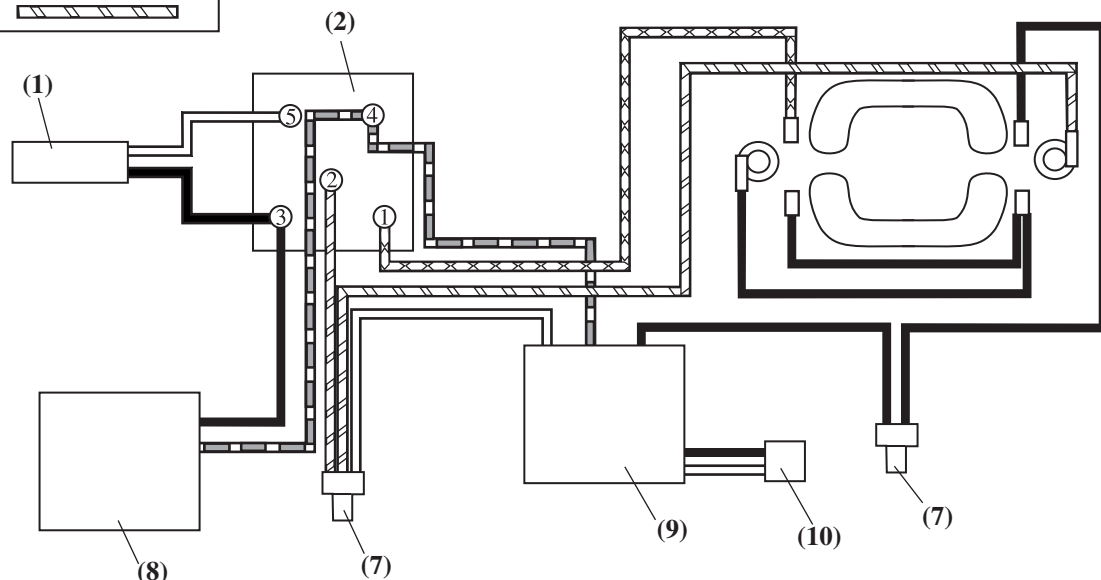
Color index of lead wires' sheath	
Black	
White	
Red	
Yellow	
Orange	



**Without noise suppressor and choke coil**

- (1) Power supply cord (2) Main switch (ON/OFF switch) (7) Insulated terminal (8) Light assembly (9) Controller (10) Pick up coil

Color index of lead wires' sheath	
Black	
White	
Red	
Yellow	
Orange	



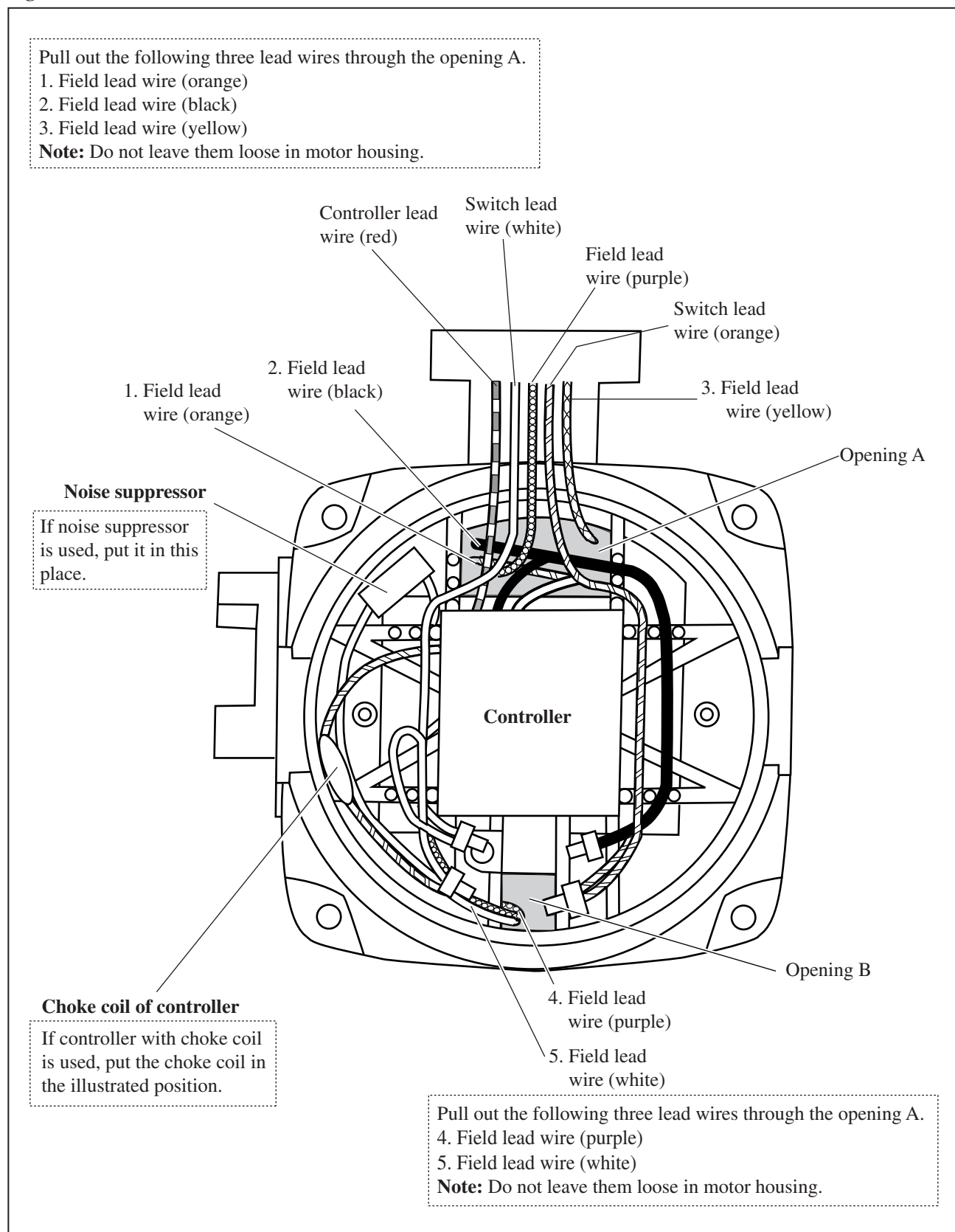
► **Wiring diagram**

[1] **LS1214 for High Voltage Countries**

1) **Wiring in Motor Housing (On the Rear Cover Side)**

Put the lead wires as illustrated in Fig. 47.

Fig. 47



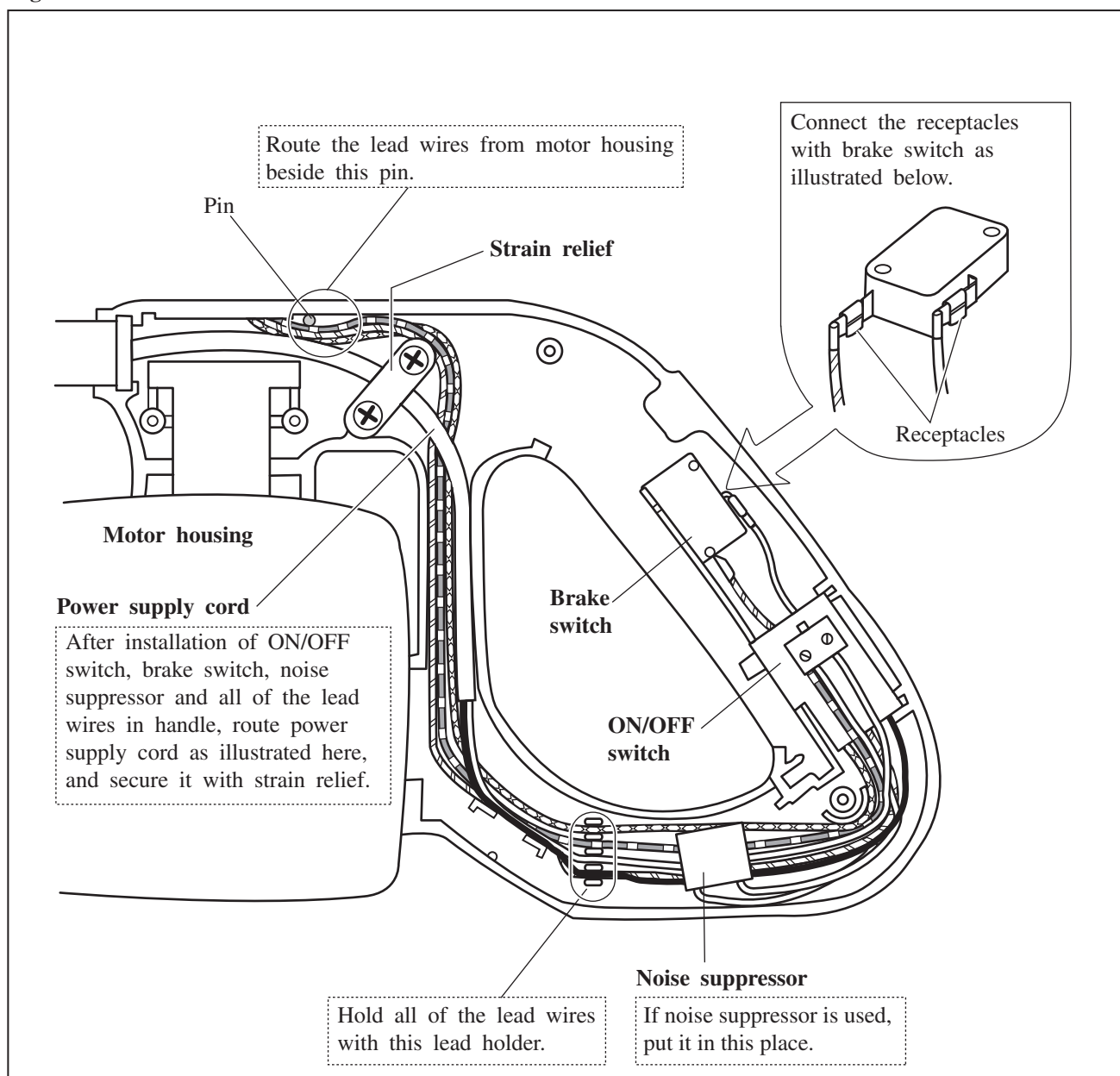
► **Wiring diagram**

[1] **LS1214 for High Voltage Countries**

2) **Wiring in Handle**

Put the lead wires as illustrated in **Fig. 48**.

**Fig. 48**



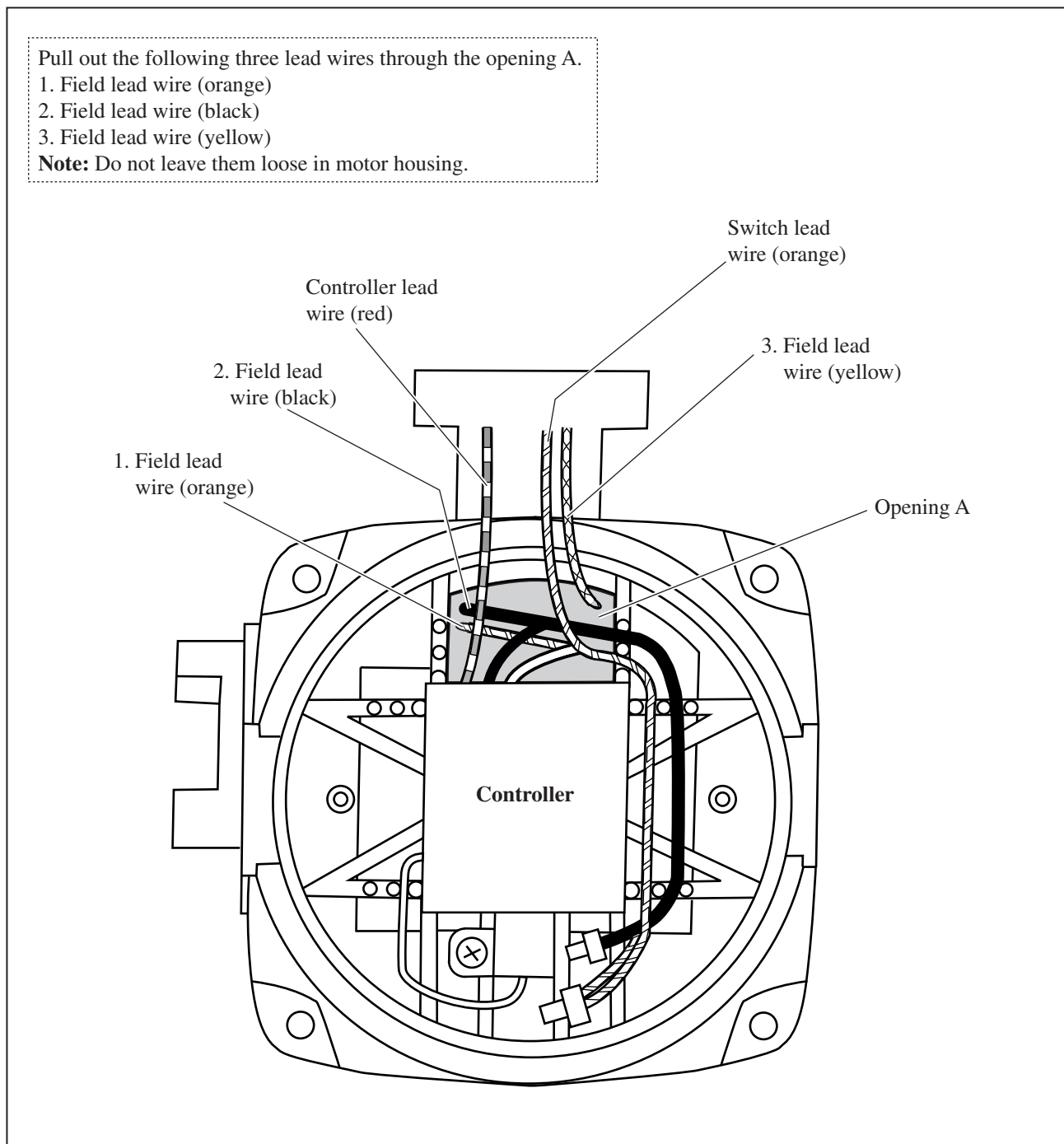
## ► Wiring diagram

### [2] LS1214 for Low Voltage Countries

#### 1) Wiring in Motor Housing (On the Rear Cover Side)

Put the lead wires as illustrated in Fig. 49.

Fig. 49



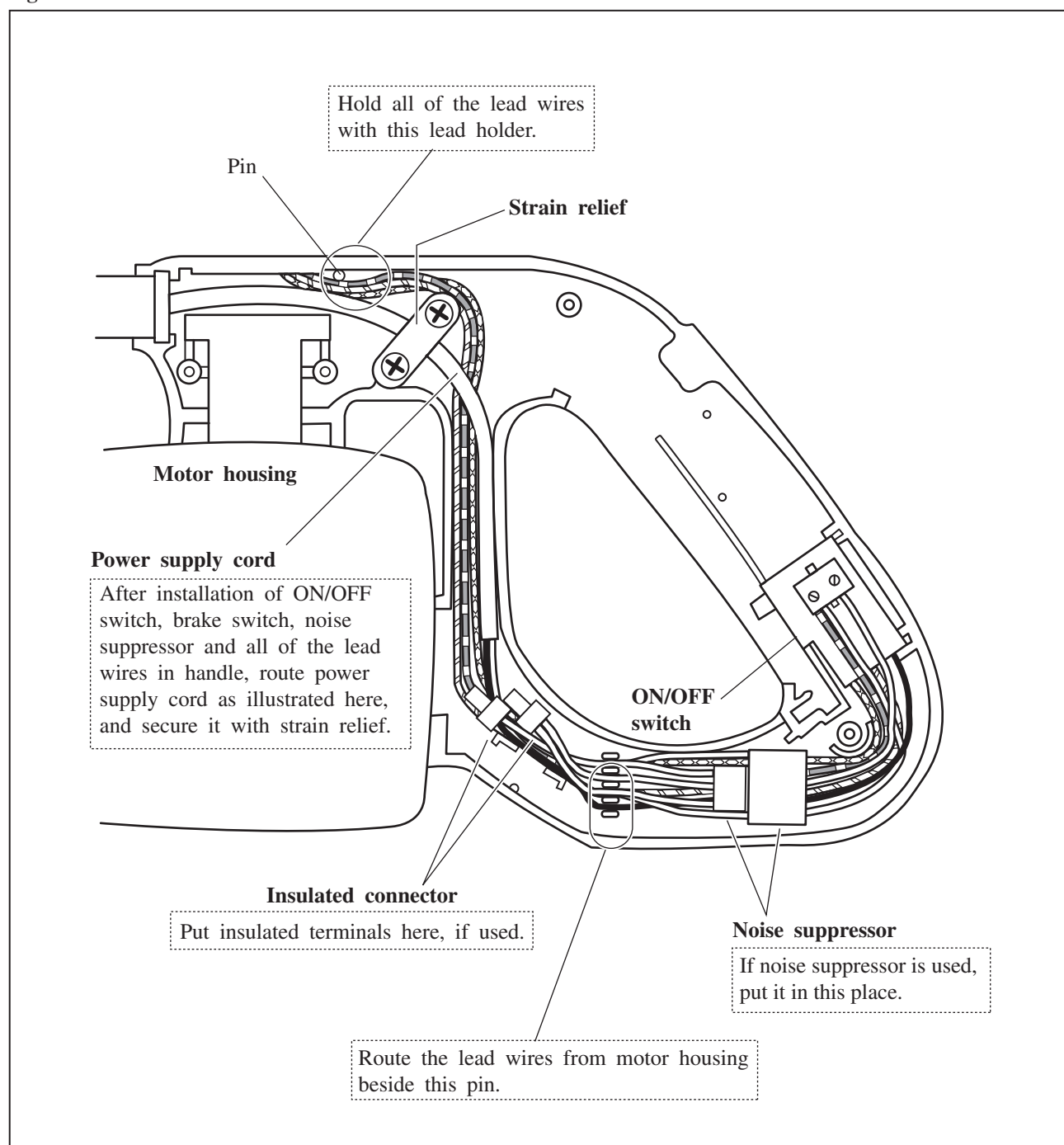
## ► Wiring diagram

### [2] LS1214 for Low Voltage Countries

#### 2) Wiring in Handle

Put the lead wires as illustrated in **Fig. 50**.

**Fig. 50**



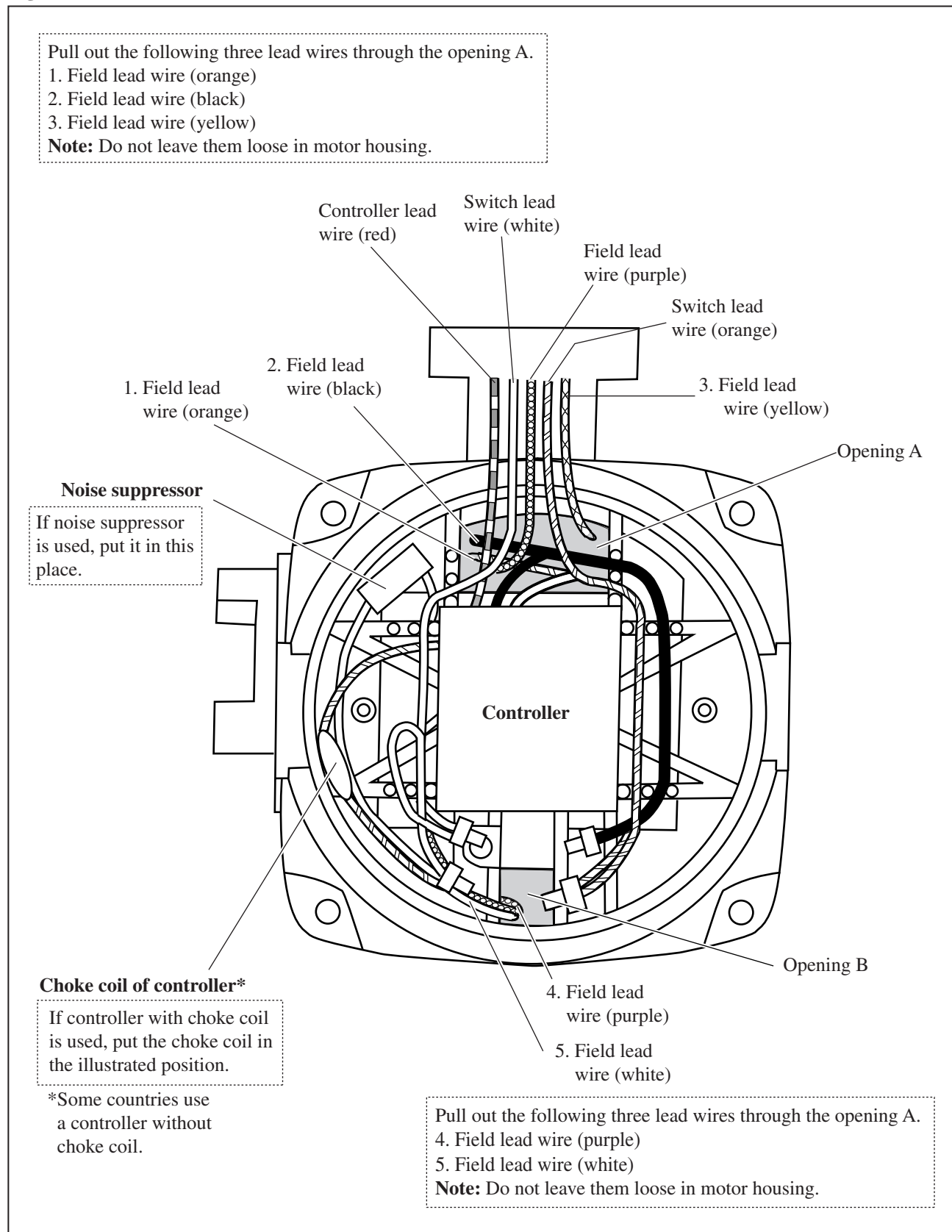
► **Wiring diagram**

**[3] LS1214F for High Voltage Countries**

**1) Wiring in Motor Housing (On the Rear Cover Side)**

Put the lead wires as illustrated in Fig. 51.

**Fig. 51**



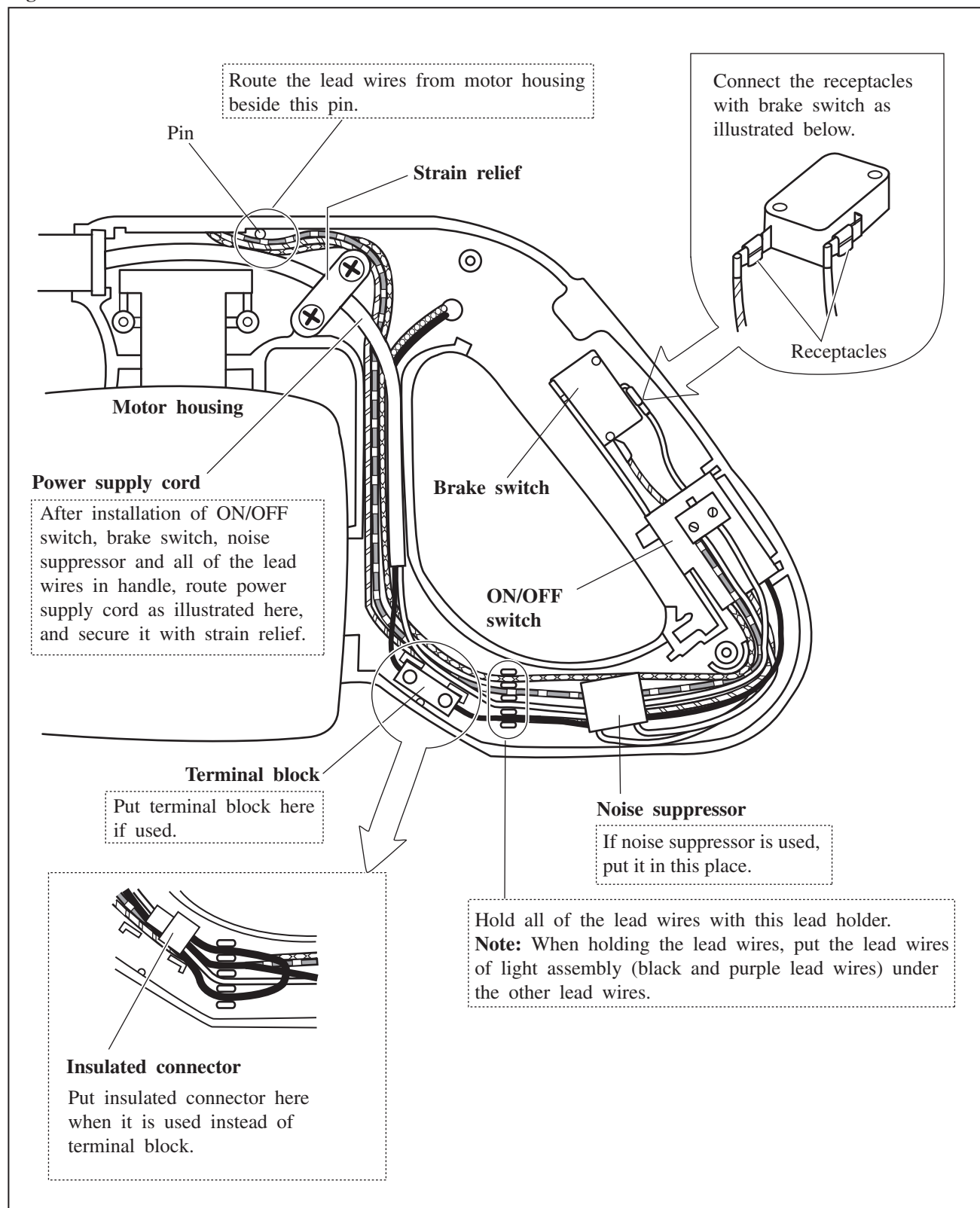
► **Wiring diagram**

**[3] LS1214F for High Voltage Countries**

**2) Wiring in Handle**

Put the lead wires as illustrated in **Fig. 52**.

**Fig. 52**



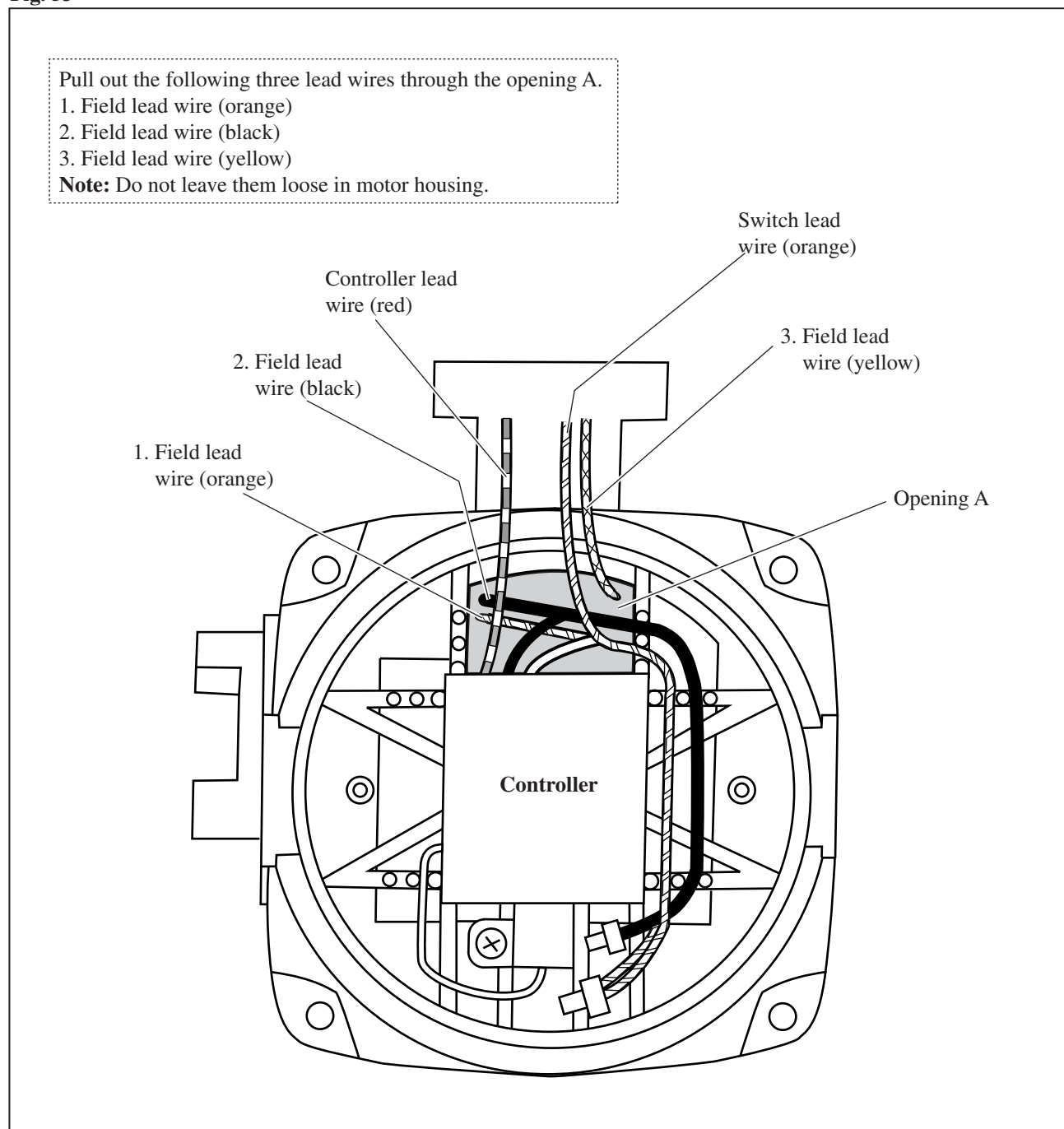
## ► Wiring diagram

### [4] LS1214 for Low Voltage Countries

#### 1) Wiring in Motor Housing (On the Rear Cover Side)

Put the lead wires as illustrated in Fig. 53.

Fig. 53





► **Wiring diagram**

**[4] LS1214F for Low Voltage Countries**

**2) Wiring in Handle**

Put the lead wires as illustrated in **Fig. 54**.

**Fig. 54**

