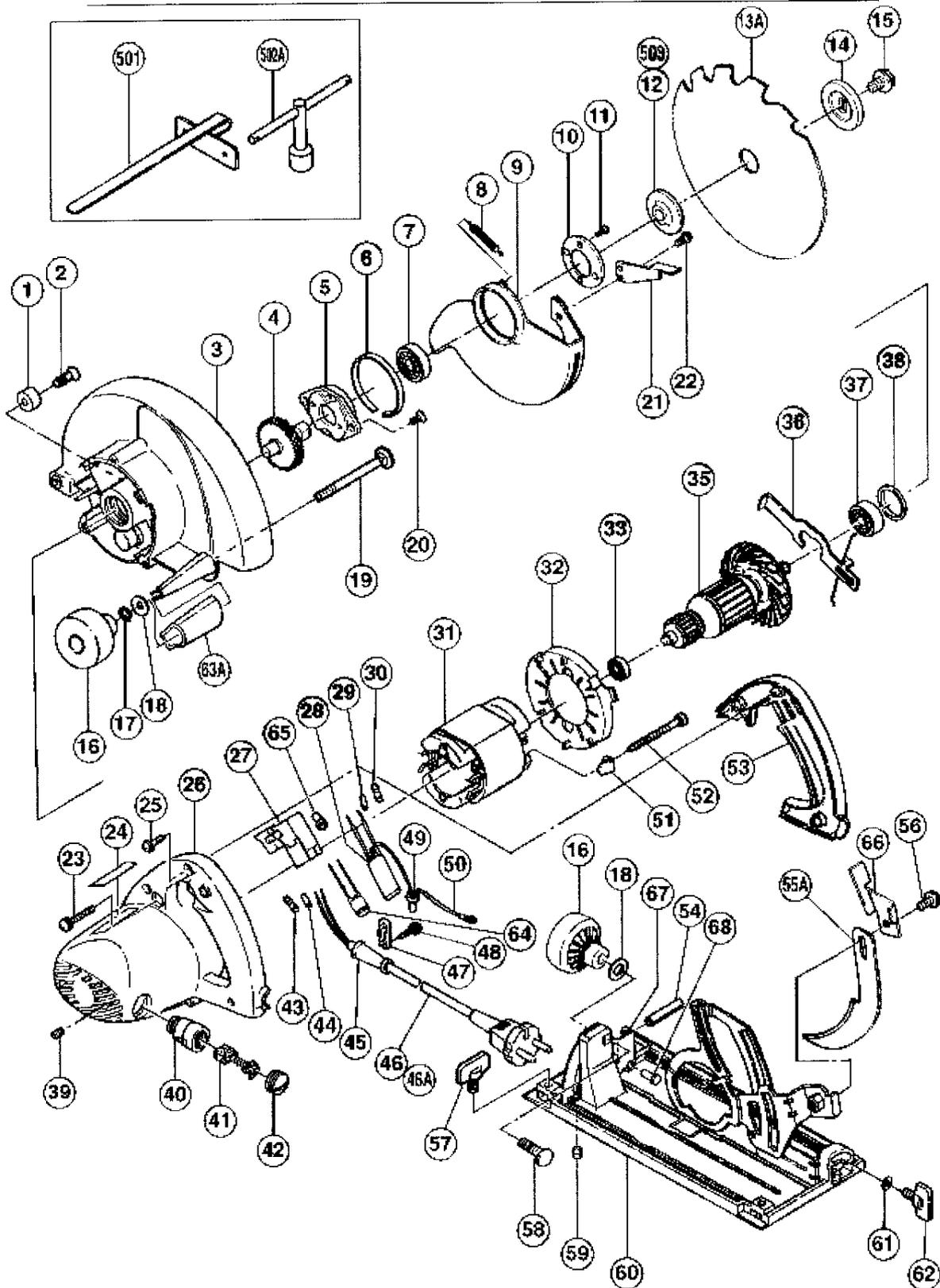


ELECTRIC TOOL PARTS LIST

■ CIRCULAR SAW
Model C 7U

2004 · 6 · 1
(E4-4)



PARTS

C7U

ITEM No.	CODE No.	DESCRIPTION	No. USED	REMARKS
1	961-729	CUSHION	1	
2	949-794	FLAT HD. SCREW M6X20 (10 PCS.)	1	
3	302-993	GEAR COVER ASS'Y	1	INCLUD.1,2,38
4	302-988	SPINDLE AND GEAR SET	1	
5	302-433	BEARING HOLDER	1	
6	961-807	BUSHING	1	
7	600-3VV	BALL BEARING 6003VVCMP2L	1	
8	303-512	RETURN SPRING	1	
9	302-991	SAFETY COVER	1	
10	302-435	BEARING COVER	1	
11	990-430	SEAL LOCK FLAT HD. SCREW M4X10	2	
*	12	302-476	1	WASHER (A) FOR D30 HOLE
*	12	302-443	1	WASHER (A) FOR D16 HOLE FOR FRA,SUI
*	12	302-444	1	WASHER (A) FOR D20 HOLE FOR SIN
*	13A	302-412	1	TCT SAW BLADE 185MM-D30 HOLE-NT18
*	13A	302-410	1	TCT SAW BLADE 185MM-D16 HOLE-NT18
*	13A	302-411	1	TCT SAW BLADE 185MM-D20 HOLE-NT18
	14	302-423	1	WASHER (B)
	15	302-427	1	BOLT (W/FLANGE) M8X15.5
	16	302-458	2	KNOB
	17	676-531	1	O-RING (P-7)
	18	949-433	2	BOLT WASHER M8 (10 PCS.)
	19	302-460	1	DIAGONAL BOLT M8
	20	992-013	2	SEAL LOCK FLAT HD. SCREW M5X14
	21	302-464	1	KNOB
	22	986-662	1	MACHINE SCREW (W/WASHERS) M4X10
	23	997-234	3	MACHINE SCREW (W/WASHERS) M5X35
	24		1	NAME PLATE
	25	301-653	3	TAPPING SCREW (W/FLANGE) D4X20 (BLACK)
*	26	302-472	1	HOUSING ASS'Y INCLUD.39,40 (TILL 10.1997 FOR NOR,DEN)
*	26	302-471	1	HOUSING ASS'Y INCLUD.39,40 FOR SIN,FRA,SWE,SUI (SINCE 11.1997 FOR NOR,DEN)
*	26	302-473	1	HOUSING ASS'Y INCLUD.39,40 FOR AUT
*	27	302-470	1	SWITCH (C) (1P SCREW TYPE) W/O LOCK (TILL 10.1997 FOR NOR,DEN)
*	27	963-756Z	1	SWITCH (2P PILLAR TYPE) W/SAFETY LOCK FOR FRA,SWE,SUI (SINCE 11.1997 FOR NOR, DEN)
*	27	302-477	0	SWITCH (C) (1P SCREW TYPE) W/LOCK FOR SIN
*	28	930-039	1	NOISE SUPPRESSOR FOR GBR,ITA,FRG,FRA,HOL,DEN,FIN,SWE,AUT, NOR,SUI,ESP

*ALTERNATIVE PARTS

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PARTS

C7U

ITEM No.	CODE No.	DESCRIPTION	No. USED	REMARKS
* 29	981-373	TUBE (D)	2	FOR FRA,SWE,SUI (SINCE 11.1997 FOR NOR, DEN)
* 30	930-804	TERMINAL M4.0 (10 PCS.)	2	FOR GBR,ITA,FRG,HOL,FIN,AUT,ESP (TILL 10.1997 FOR NOR,DEN)
* 30	980-063	TERMINAL	2	FOR SIN
* 31	340-201C	STATOR 110V	1	
* 31	340-201E	STATOR 220V-230V	1	
* 31	340-201F	STATOR 230V-240V	1	
32	302-989	FAN GUIDE	1	
33	608-VVM	BALL BEARING 608VVC2PS2L	1	
* 35	360-188C	ARMATURE 110V	1	
* 35	360-188E	ARMATURE 220V-230V	1	
* 35	360-188F	ARMATURE 230V-240V	1	
36	302-453	LOCK LEVER	1	
37	600-1VV	BALL BEARING 6001VVCMP2L	1	
38	958-130	RUBBER RING	1	
39	938-477	HEX. SOCKET SET SCREW M5X8	2	
* 40	958-900	BRUSH HOLDER	2	
* 40	981-586	BRUSH HOLDER	2	FOR AUT
41	999-043	CARBON BRUSH (1 PAIR)	2	
* 42	945-161	BRUSH CAP	2	
* 42	961-781	BRUSH CAP	2	FOR AUT
* 43	992-810	TERMINAL	2	FOR FIN,NOR (TILL 10.1997 FOR NOR,DEN)
* 44	981-373	TUBE (D)	2	FOR FRA,SWE,SUI (SINCE 11.1997 FOR NOR, DEN)
* 45	953-327	CORD ARMOR D8.8	1	
* 45	938-051	CORD ARMOR D10.1	1	
* 46	500-201Z	CORD	1	(CORD ARMOR D10.1)
* 46	500-234Z	CORD	1	(CORD ARMOR D8.8) FOR ITA,FRG,FRA,HOL, AUT,ESP,SAF
* 46	500-248Z	CORD	1	(CORD ARMOR D10.1) FOR SIN
* 46	500-237Z	CORD	1	(CORD ARMOR D8.8) FOR GBR (110V)
* 46	500-247Z	CORD	1	(CORD ARMOR D8.8) FOR DEN,SWE,FIN,NOR
* 46A	500-435Z	CORD	1	(CORD ARMOR D8.8) FOR GBR (230V)
* 46A	500-423Z	CORD	1	(CORD ARMOR D8.8) FOR SIN
47	960-266	CORD CLIP	1	
48	984-750	TAPPING SCREW (W/FLANGE) D4X16	2	
* 49	959-140	CONNECTOR 50091 (10 PCS.)	1	FOR SUI
* 50	983-869	INTERNAL WIRE	1	FOR SUI

*ALTERNATIVE PARTS

PARTS

C7U

ITEM No.	CODE No.	DESCRIPTION	No. USED	REMARKS
* 51	993-853	EARTH WASHER D5	1	FOR SUI
52	961-501	HEX. HD. TAPPING SCREW D5X60	2	
53	302-455	HANDLE COVER	1	
54	949-686	ROLL PIN D6X40 (10 PCS.)	1	
55A	305-541	RIVING KNIFE (T1.8)	1	
56	302-468	BOLT (W/FLANGE) M8X10 (BLACK)	1	
57	301-806	WING BOLT M6X15	1	
58	302-457	BOLT (SQUARE) M8X30	1	
59	302-469	SLOTTED HD. SET SCREW (SEAL LOCK) M6X6	1	
60	302-990	BASE ASS'Y	1	INCLUD.16,18,58,61,62,67,68
61	949-425	WASHER M6 (10 PCS.)	1	
62	302-459	WING BOLT M6X17	1	
* 63A	305-724	CAP	1	FOR GBR
* 64	303-837	CHOKE COIL	2	FOR FRG
* 65	959-140	CONNECTOR 50091 (10 PCS.)	2	FOR FRG
* 66	307-631	GUARD PLATE	1	FOR HOL
67	308-479	BEVEL PLATE	1	
68	308-480	RIVET D6X17	1	

STANDARD ACCESSORIES

ITEM No.	CODE No.	DESCRIPTION	No. USED	REMARKS
501	302-756	GUIDE	1	
502A	302-478	BOX WRENCH 13MM	1	
* 503	302-476	WASHER (A)	1	FOR D30 HOLE, SINCE 9.1991 FOR FRA
601	302-981	DUST COLLECTOR SET (D)	1	
602	317-848	GUIDE RAIL ADAPTER ASS'Y	1	INCLUD.603-608
603	317-849	RAIL BAR	1	
604	317-850	BAR	1	
605	317-851	BAR	1	
606	301-806	WING BOLT M6X15	4	
607	949-237	MACHINE SCREW M5X12 (10 PCS.)	2	
608	949-454	SPRING WASHER M5 (10 PCS.)	2	



MODELS C 6U/C 7U

1. PRECAUTIONS IN SALES PROMOTION:

In the interest of promoting the safest and most efficient use of the Models C 6U and C 7U Circular Saws by all of our customers, it is very important that at the time of sale the salesman carefully ensures that the buyer seriously recognizes the importance of the contents of the Handling Instructions, and fully understands the meaning of the precautions on the Nameplate attached to each tool.

1-1. Handling Instructions:

Although every effort is made in each step of design, manufacture, and inspection to provide protection against safety hazards, the dangers inherent in the use of any electric tool cannot be completely eliminated. Accordingly, general precautions and suggestions for the use of electric power tools, and specific precautions and suggestions for the use of the Circular Saw are listed in the Handling Instructions to enhance the safe, efficient use of the tool by the customer. Salesmen must be thoroughly familiar with the contents of the Handling Instructions to be able to offer appropriate guidance to the customer during sales promotion.

1-2. Cautions on Nameplate:

Each tool is provided with a Nameplate which lists the following basic safety precautions in the use of the tool.

(1) For F.R. Germany, Switzerland and Austria.

ACHTUNG

- **Bedienungsanleitung vor Inbetriebnahme lesen.**

(2) For France

ATTENTION

- **TRES IMPORTANT: Lire avec attention la notice d' utilisation.**

(3) For Other Countries:

CAUTION

- **Read thoroughly HANDLING INSTRUCTIONS before use.**

2. PRECAUTIONS IN DISASSEMBLY AND REASSEMBLY:

The disassembly and reassembly procedures for the Models C 6U and C 7U are essentially the same. The circled numbers in the descriptions below correspond to the item numbers in the parts list and exploded assembly diagram for the Model C 6U. During disassembly and reassembly, and at all other times as well, sufficient care must be exercised in handling to ensure that there is no deviation in the flatness of the bottom surface of the base and in its perpendicularity with relation to the saw blade.

2-1. Disassembly:

- (1) Prior to attempting further disassembly, ensure without fail that the TCT Saw Blade ⑬ is removed to prevent damage to its cutting edge, and to avoid possible serious accident.
- (2) Remove the Safety Cover ⑨:
First, disconnect the Return Spring ⑧ from the Safety Cover ⑨ Then, loosen the two M4 x 10 Seal Lock Flat Hd. Screws ⑪ and take off the Bearing Cover ⑩. The Safety Cover ⑨ can then be removed.

- (3) Remove the Bearing Holder (5) together with the Spindle Gear (4):
After removing the Safety Cover (9) as described above, loosen the two M5 x 14 Seal Lock Flat Hd. Screws (21).
- (4) Separate the Spindle Gear (4) from the Bearing Holder (5):
As illustrated in Fig. 11, support the Bearing Holder (5) with an appropriate tubular jig, and push down on the end of the Spindle to separate the Spindle Gear (4) from the Bearing Holder (5).
- (5) Remove the Armature (35):
First, remove the Brush Caps (42), and take out the Carbon Brushes (41). Then, loosen the M5 x 35 Machine Screws (24), and separate the Housing Ass'y (27) from the Gear Cover Ass'y (3). The Armature (35) will remain attached to the Housing Ass'y (27). Then, tap gently on the outside of the Housing Ass'y (27) with a wooden or plastic hammer to loosen and remove the Armature (35). At this time, be very careful not to hit the fan on the Armature (35).
- (6) Remove the Base Ass'y (55):
Extract the D6 x 40 Roll Pin (53), and disassemble the Base Ass'y (55) from the Gear Cover Ass'y (3).

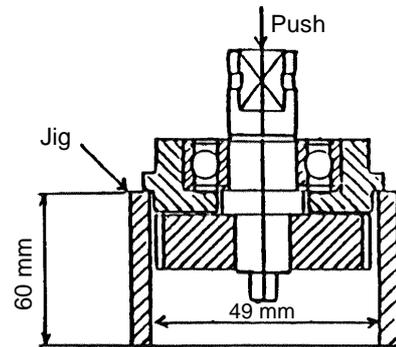


Fig. 11

2-2. Reassembly:

Reassembly can be accomplished by following the disassembly procedures in reverse. However, particular attention should be given to the following items.

- (1) Tightening Torques for Fastening Screws and Bolts:
 - M4 Machine Screws..... 14 - 24 kgf-cm (12 - 21 in-lbs)
 - M5 Machine Screws..... 28 - 50 kgf-cm (24 - 43 in-lbs)
 - M8 x 15.5 Flange Bolt (15) 80 - 120 kgf-cm (70 - 105 in-lbs)
 - D4 Tapping Screws 15 - 25kgf-cm (13 - 22 in-lbs)
 - D5 Tapping Screws 25 - 35kgf-cm (22 - 30 in-lbs)
- (2) Reassemble the Armature Ass'y (35):
Prior to assembling the Armature (35), ensure that the Rubber Ring (38) is properly inserted into the groove of the Bearing Case within the Gear Cover Ass'y (3). At this time, be very careful not to damage the Rubber Ring.
- (3) Reassemble the Lock Lever (36) (See Fig. 12):
 - A. Position the Lock Lever (36) between the Fan and the 6001VVCMP2L Ball Bearing (37) of the Armature (35), and carefully assemble it together with the Armature (35) into the Gear Cover Ass'y (3).
 - B. Ensure that both ends of the Spring on the Lock Lever (36) are properly supported inside the ribs of the Gear Cover Ass'y (3).
 - C. When assembly of the Lock Lever (36) is completed (when the Gear Cover Ass'y (3) has been assembled to the Housing Ass'y (27) and fastening with the

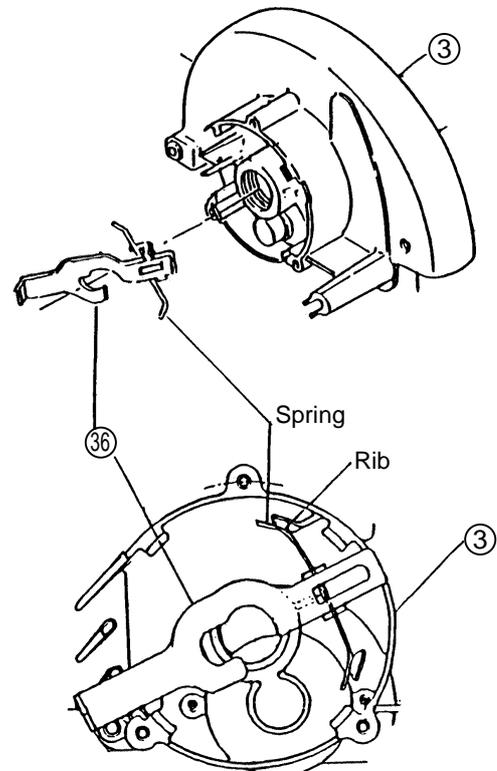


Fig. 12

M6 x 35 Machine Screws (24), push the Lock Lever (36) by hand and ensure that it returns to its original position when released.

(4) Reassemble the Stator (32):

As illustrated in Fig. 13, insert a guide bar (the J-132 Stator Press Pins [Special Repair Tool, Code No. 970911] are recommended) to ensure that the screw holes of the Stator (32) and Housing Ass'y (27) are properly aligned, and press fit the Stator (32) into the Housing Ass'y (27). When press fitting of the Stator (32) is completed, connection between the Stator (32) and the Brush Holders (27) is automatically accomplished.

(5) Lubrication:

Liberal apply the designated lubricants as follows:

- Within the Gear Cover Ass'y (3) Hitachi Motor Grease, Code No. 930035
- Ball Bearings' Chamber Hitachi Power Tool Grease No. 1, Code Nos. 939301 or 939356

(6) Wiring Diagrams (See Fig. 14 - 17)

[A] Without Noise Suppressor:

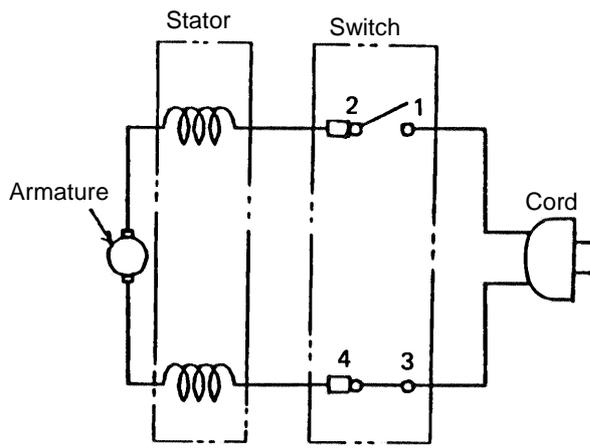


Fig. 14

[B] With Noise Suppressor:

(a) For France and Sweden

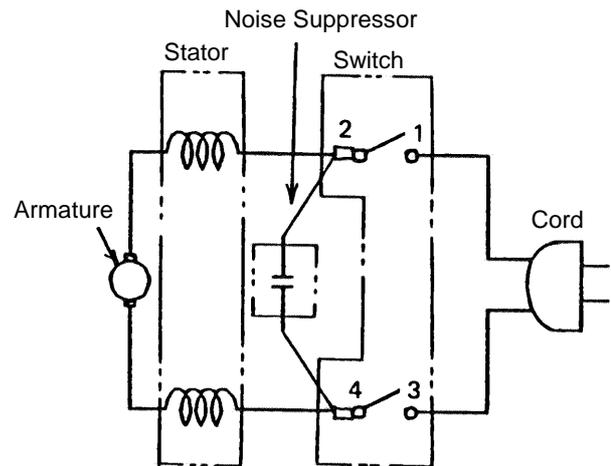


Fig. 15

(b) For Switzerland

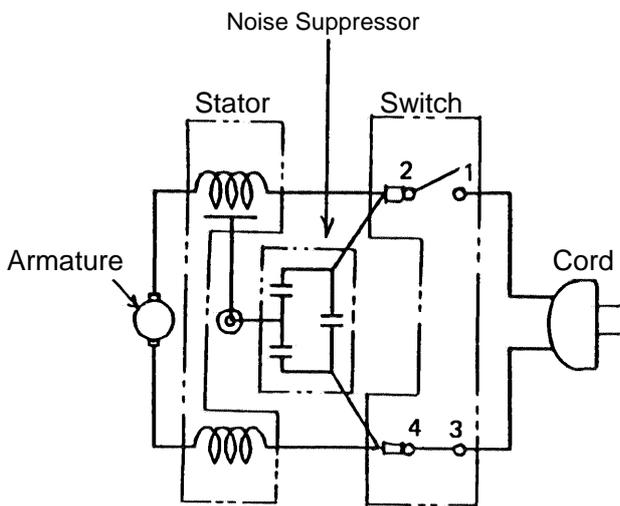


Fig. 16

(c) For other countries

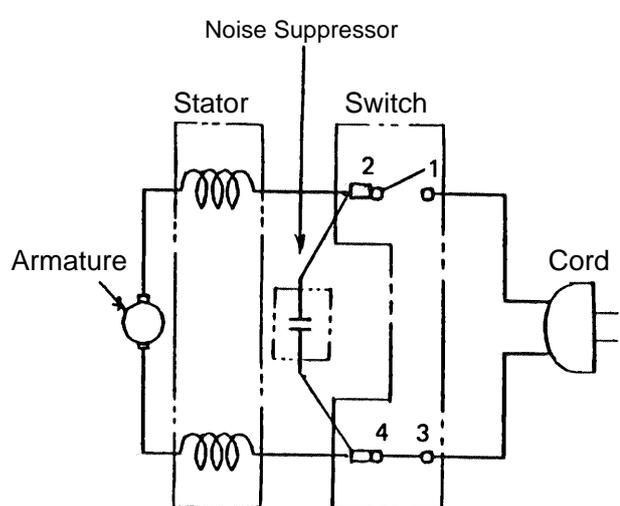


Fig. 17

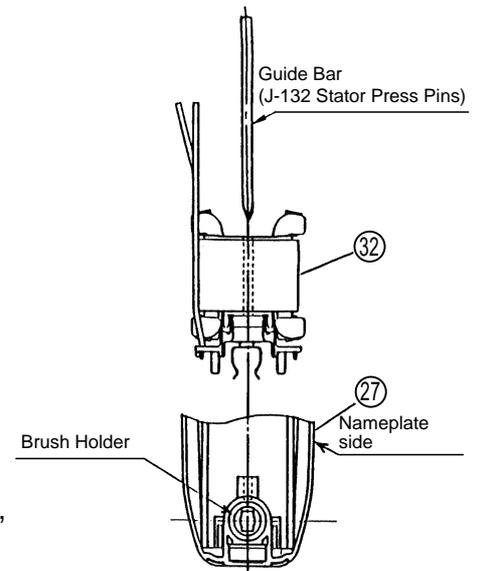


Fig. 13

(7) Internal wire arrangement (See Fig. 18 - 20)

Connect internal wires as illustrated in Fig. 18 - Fig. 20. At this time, ensure that none of the wires are pinched between components during assembly.

[A] Without Noise Suppressor:

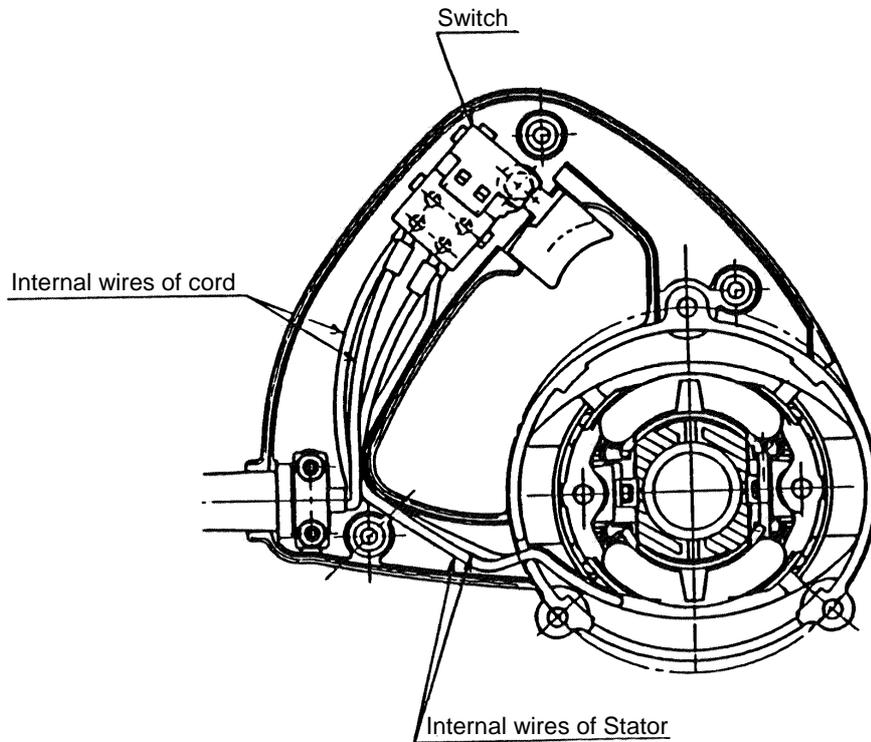


Fig. 18

[B] With Noise Suppressor

(a) For Switzerland:

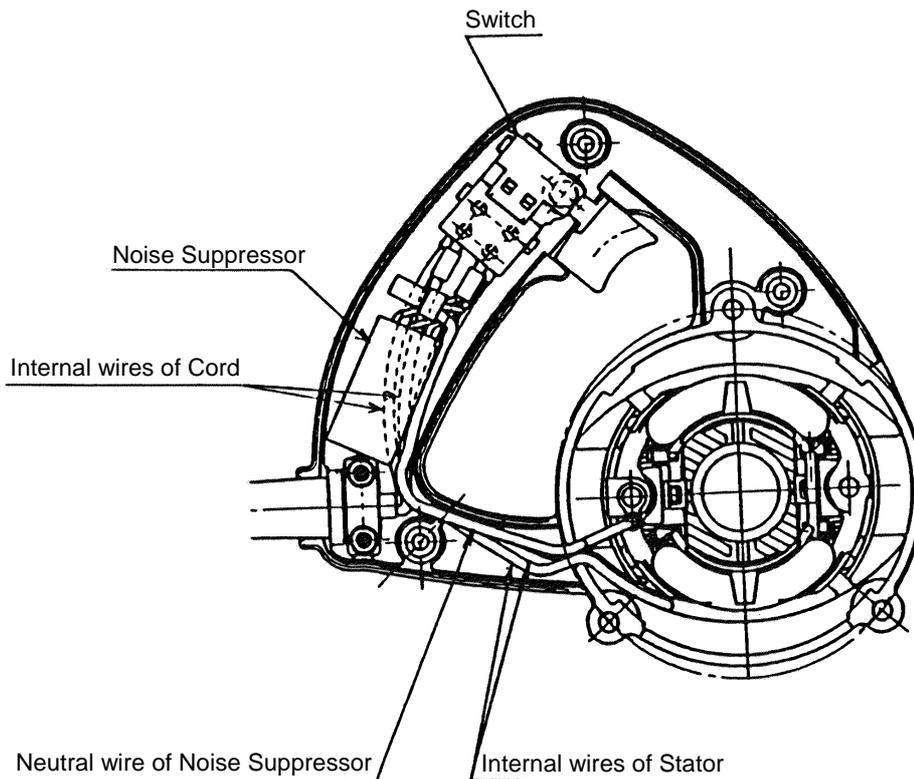


Fig. 19

(b) For other countries:

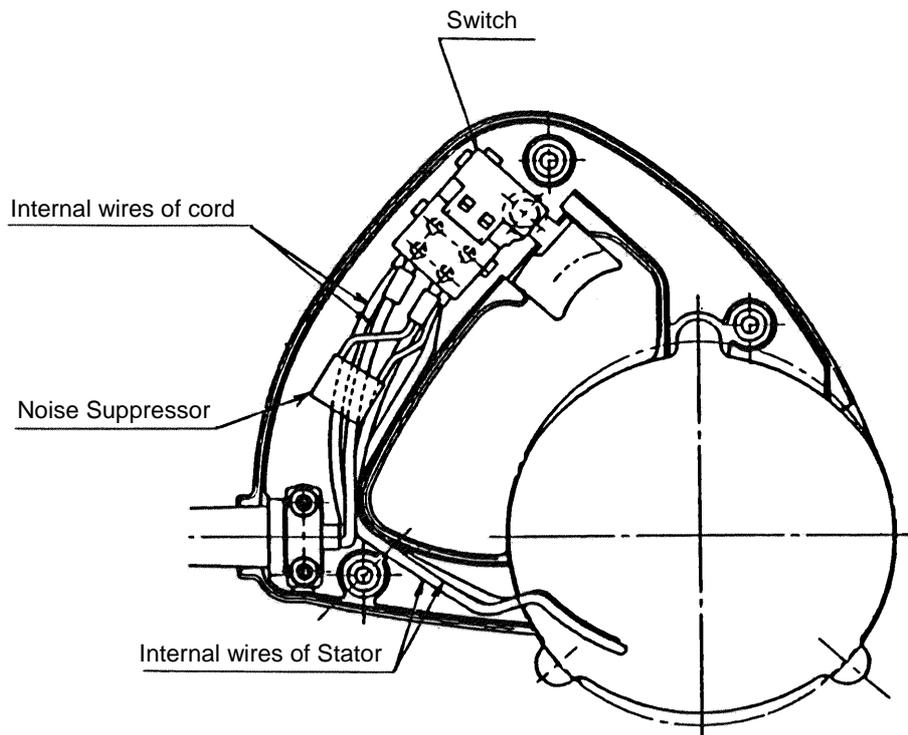


Fig. 20

(8) Insulation Tests:

On completion of disassembly and repair, measure the insulation resistance and conduct dielectric strength test.

Insulation Resistance: $7M\Omega$ or more with DC 500 V Megohm Tester

Dielectric Strength: AC 4000 V/1 minute,
with no abnormalities220 V - 240 V (and 110 V for U. K. products)
AC 2500 V/1 minute,
with no abnormalities110 V - 127 V (except U. K. products)

(9) Cleaning the Cover:

Clean the exterior of the tool with a soft cloth moistened with soapy water, and dry thoroughly. Chloric solvent, gasoline, and thinner will cause plastic components to dissolve.