

SERVICE MANUAL

***PARTS LIST
EXPLODED VIEW
DIAGRAMS***

———— **MODEL** ————
ST110, ST120, ST130,

C.E.C.
Chuo Denki

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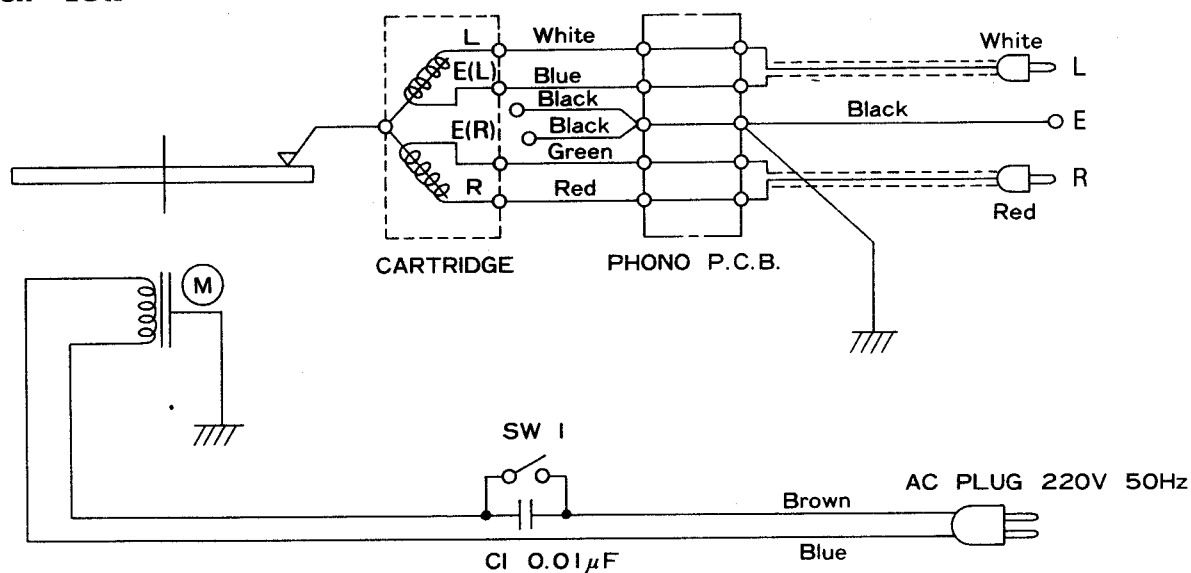
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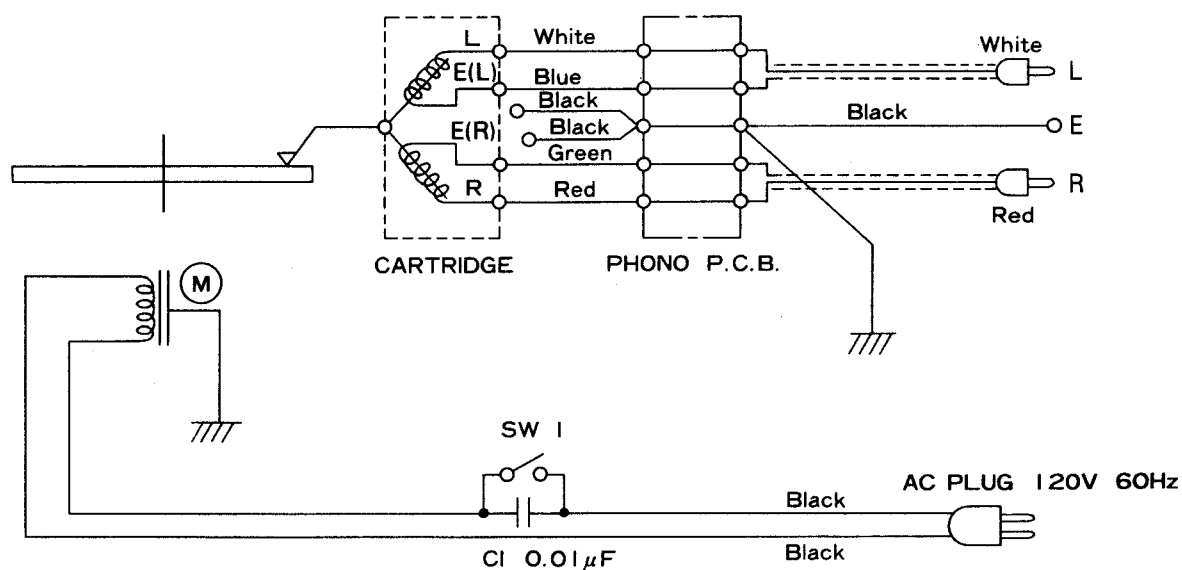
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Version	Destination
EUR	Europe (220V 50HZ)
CND	Canada (120V 60HZ)
AUS	Australia (240V 50HZ)

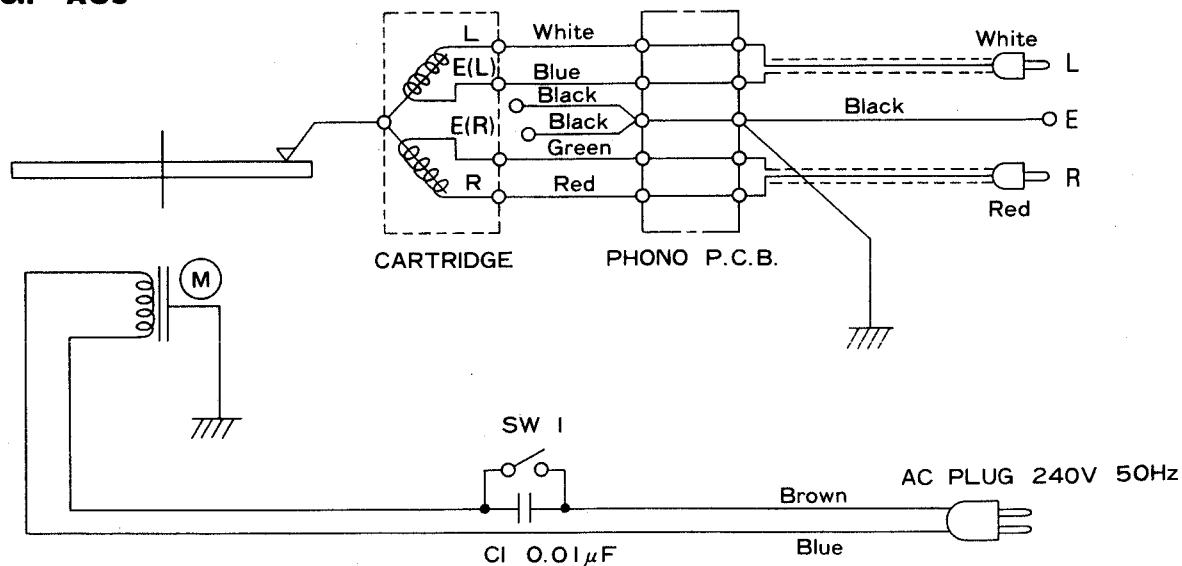
Version EUR



Version CND



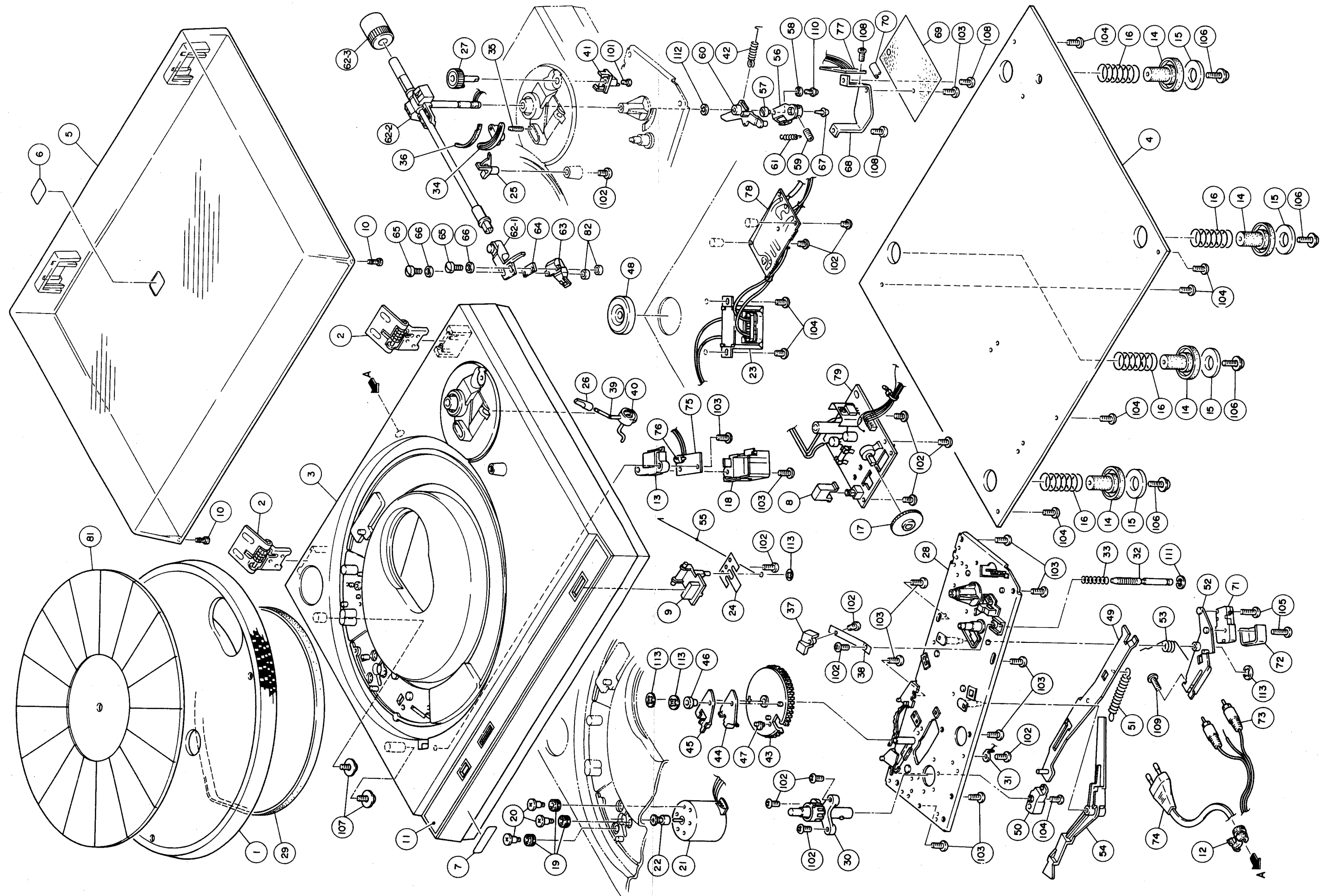
Version AUS

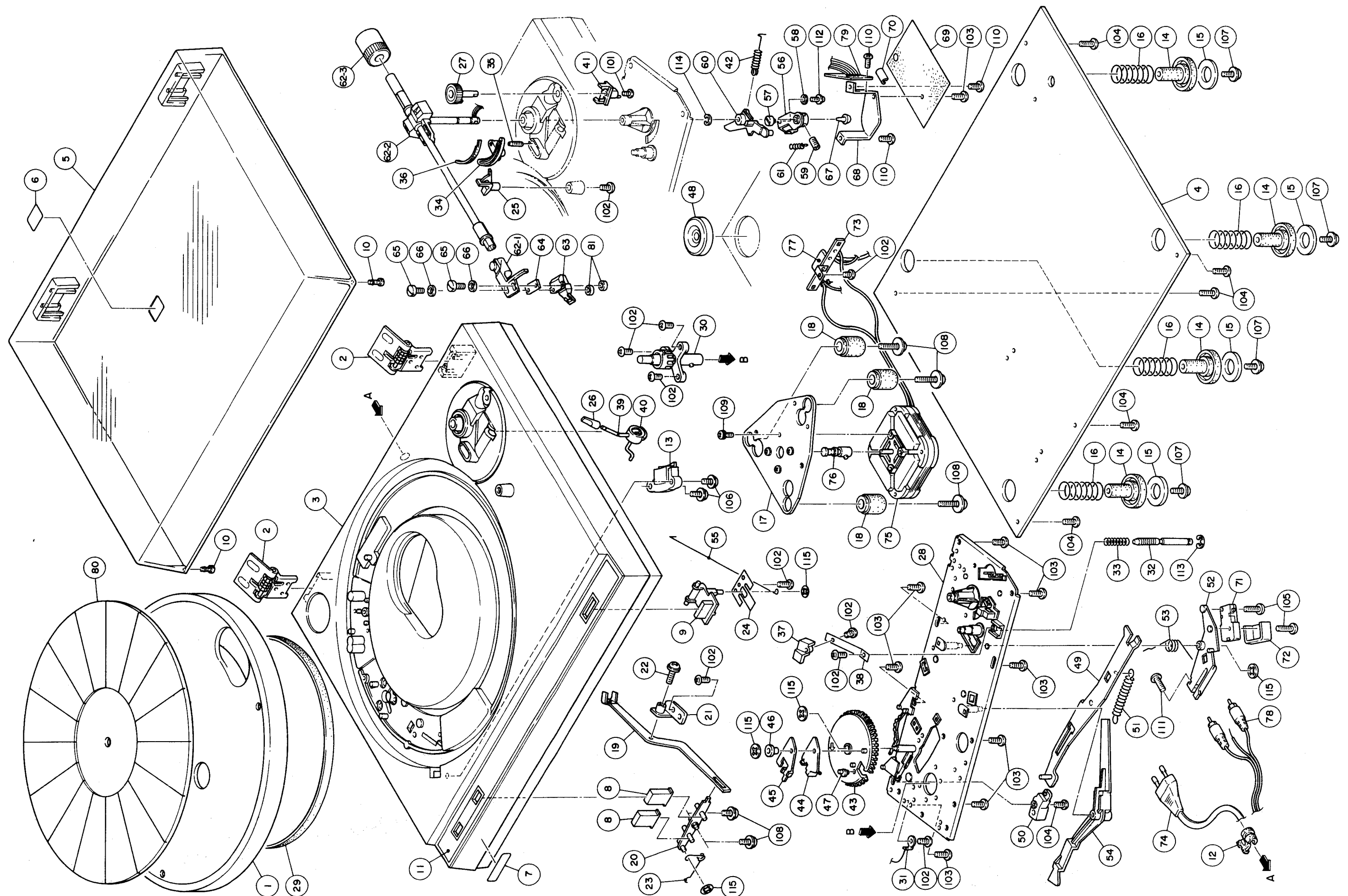


Ref. No.	Parts No.	Description	Version	Ref. No.	Parts No.	Description	Version
1	D 2037703	Turntable platter		46	134 2410700400	Collar	
2	K 4786900	Hinge		47	D 4843400	Pin	
3	D 1005300	Cabinet		48	D 4310000	45 rpm adapter	
4	H 3172900	Plate bottom		49	134 0603511600	Return plate assy.	
5	D 2098300	Lid		50	134 2210612100	Holder	
6	K 4799800	Name plate	EUR, CND	51	134 2510124600	Spring	
6	K 4831400	Name palte	AUS	52	134 2410821000	Plate	
7	K 4852200	Name plate	EUR	53	134 2510130800	Spring	
8	D 4850000	knob		54	134 2412319100	Arm	
9	D 4850200	Knob		55	E 4849500	Rod	
10	131 2290413400	Pad lid		56	134 0602212200	Plate PU fix assy.	
11	K 3173200	Panel control	EUR, CND	57	134 2412412200	Cam	
11	K 3173202	Panel control	AUS	58	131 2420317501	Wave washer	
12	D 4442100	Bushing	EUR, AUS	59	131 2420115102	Screw	
12	131 2611121300	Bushing	CND	60	134 2412017100	Lever	
13	D 3172601	Filter		61	134 2510120500	Spring	
14	D 4851000	Cushion		62	C 3170801	Tonearm assy.	
15	131 2520323600	Felt		62-1	C 4847001	Headshell assy.	
16	134 2510215000	Spring mounting		62-2	C 2097901	PU arm assy.	
17	A 4850400	Plate		62-3	C 4856400	Weight assy.	
18	D 4850800	Cushion		63	F 4849000	Cartridge	EUR, AUS
19	A 4850100	Arm		64	A 4849100	Head spacer	EUR, AUS
20	D 4849700	Arm		65		Screw (-) 2.6 x 10	EUR, AUS
21	134 2240319600	Angle mount		66		Washer	EUR, AUS
22	134 2410627000	Shaft		67	134 2411710600	Support shaft	
23	E 4849600	Spring		68	134 2240321900	Angle mount	
24	A 4850300	Plate		69	F 4850900	Cover shield	
25	C 4850600	Arm rest assy.		70	134 2520512000	Cushion	
26	134 2160118200	Knob		71	4231921995	SW Micro	
27	D 4850700	Knob		72	131 2140110300	Cover	EUR, AUS
28	D 2098200	Unit plate		73	F 4848900	Terminal lug	
29	D 4420400	Belt		74	4243200071	Power cord	EUR
30	C 4851700	Shaft T.T. assy.		74	F 4771001	Power cord	AUS
31	4237921520	Terminal lug		74	4243920390	Power cord	CND
32	134 2411614000	Spindle lifting		75	F 3172400	Synchro motor	EUR, AUS
33	134 2510124700	Spring		75	F 3172300	Synchro motor	CND
34	134 2331011900	Support arm		76	134 2640113002	Pulley motor	EUR, AUS
35	B 4542500	Screw		76	134 2640113001	Pulley motor	CND
36	D 4402701	Cushion		77	C2E FRM103C-S	Condenser	EUR, AUS
37	134 2410824400	Plate		77	F 4795000	Condenser	CND
38	134 2510310900	Spring plate		78	F 3132403	Wire shield assy.	EUR, AUS
39	134 2412018400	Lever		78	131 0400414402	Wire shield assy.	CND
40	134 2412112000	Guide		79	4226207950	PCB	
41	134 2412412600	Cam		80	D 2062300	Turntable platter mat	
42	E 4851600	Spring		81		Nut	EUR, AUS
43	134 2411011100	Gear cycling					
44	134 2412211800	Trip					
45	A 4841700	Trip					

SCREWS, WASHERS AND NUTS

Ref. No.	Description	Ref. No.	Description
101	⊗ Brazier head taptite screw B $\phi 2.6 \times 6$	109	⊗ Pan head screw with spring washer M3 x 6
102	⊗ Brazier head taptite screw B $\phi 3 \times 8$	110	⊗ Pan head taptite screw B $\phi 3 \times 10$
103	⊗ Brazier head taptite screw B $\phi 3 \times 10$	111	⊗ Pan head taptite screw C $\phi 3 \times 14$
104	⊗ Brazier head taptite screw B $\phi 3 \times 12$	112	⊗ Pan head taptite screw B with plain washer $\phi 2.6 \times 6$
105	⊗ Brazier head taptite screw B $\phi 3 \times 16$	113	E type washer $\phi 2$
106	⊗ Brazier head taptite screw B with plain washer $\phi 3 \times 8$	114	C type washer $\phi 5$
107	⊗ Brazier head taptite screw B with plain washer $\phi 3 \times 10$	115	Stop ring CSTW-3
108	⊗ Brazier head taptite screw B with plain washer $\phi 3 \times 12$		

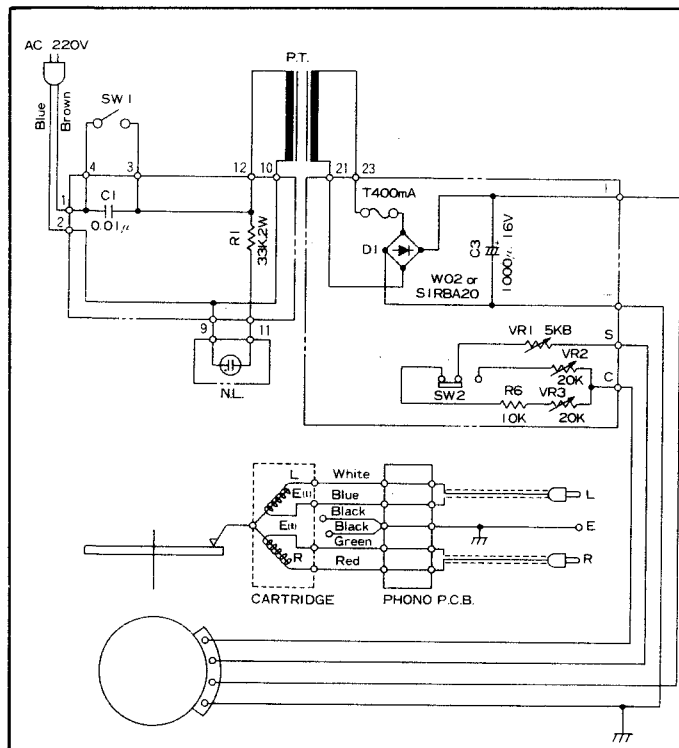
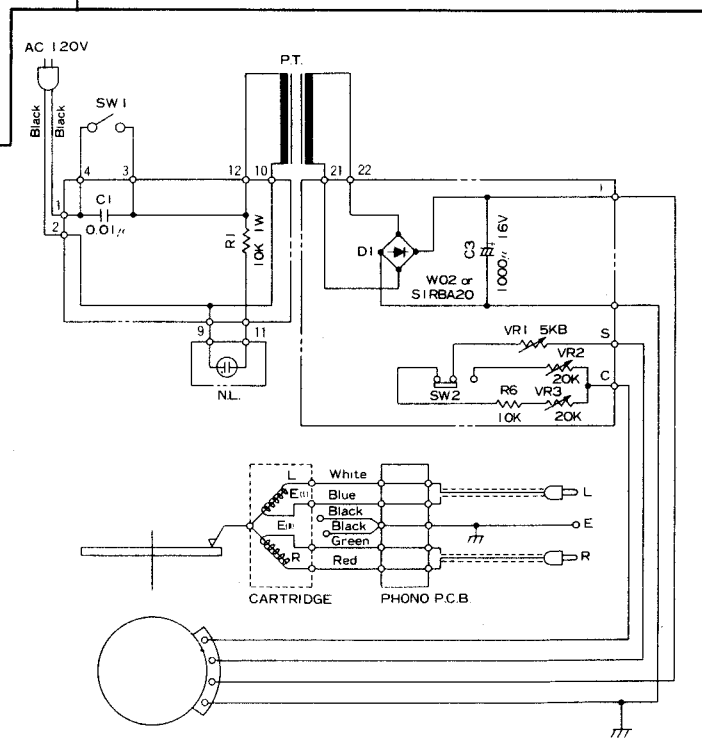
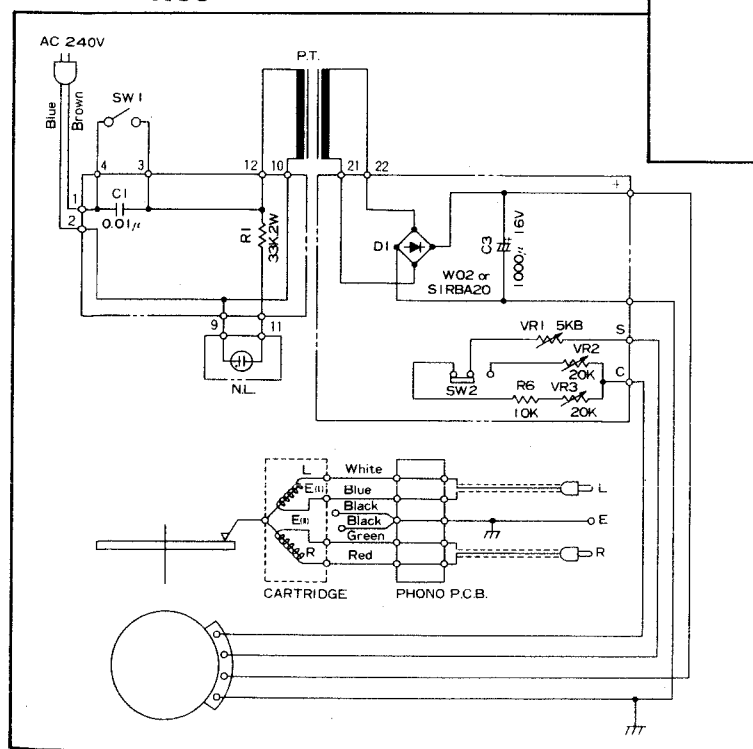




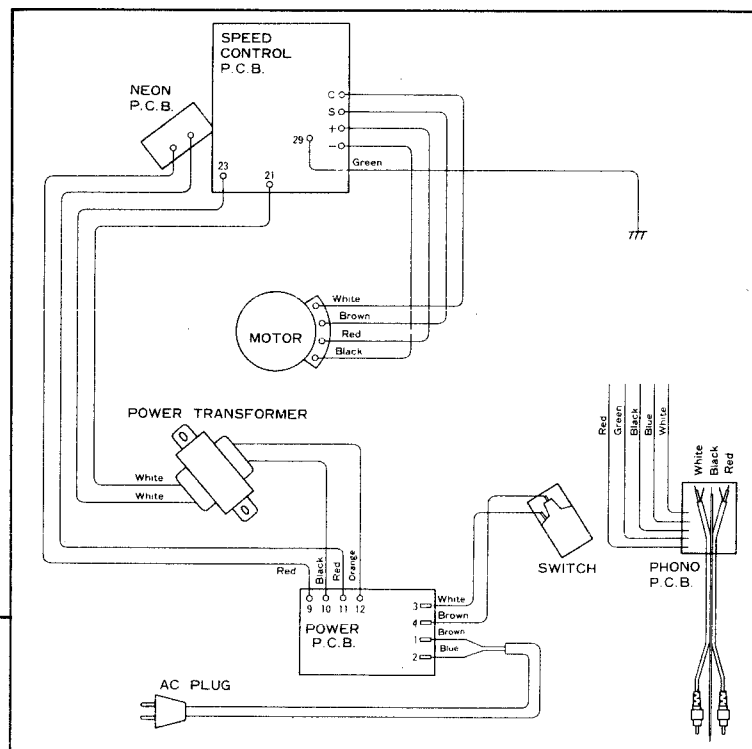
Ref. No.	Parts No.	Description	Version	Ref. No.	Parts No.	Description	Version
1	D 2045103	Turntable platter		49	134 0603511600	Return plate assy.	
2	K 4786900	Hinge		50	134 2210612100	Holder	
3	D 1005300	Cabinet		51	134 2510124600	Spring	
4	H 3173000	Plate bottom		52	134 2410821000	Plate	
5	D 2098300	Lid		53	134 2510130800	Spring	
6	K 4799800	Name plate	EUR, CND	54	134 2412319100	Arm	
6	K 4831400	Name plate	AUS	55	E 4849500	Rod	
7	K 4852200	Name plate	EUR	56	134 0602212200	Plate PU fix assy.	
8	D 4849900	Knob		57	134 2412412200	Cam	
9	D 4850200	Knob		58	131 2420317501	Wave washer	
10	131 2290413400	Pad lid		59	131 2420115102	Screw	
11	K 3173101	Panel control	EUR, CND	60	134 2412017100	Lever	
11	K 3173104	Panel control	AUS	61	134 2510120500	Spring	
12	D 4442100	Bushing	EUR, AUS	62	C 3170801	Tonearm assy.	
12	131 2611121300	Bushing	CND	62-1	C 4847001	Headshell assy.	
13	D 3172600	Filter		62-2	C 2097901	PU arm assy.	
14	D 4851000	Cushion		62-3	C 4856400	Weight assy.	
15	131 2520323600	Felt		63	F 4849000	Cartridge	
16	134 2510215000	Spring mounting		64	A 4849100	Head spacer	
17	D 4849800	Knob		65		Screw (-) 2.6 x 10	
18	D 3172700	Cover		66		Washer	
19	134 2520211800	Rubber cushion		67	134 2411710600	Support shaft	
20	134 2420113600	Screw		68	134 2240321900	Angle mount	
21	F 3176300	Motor		69	F 4850900	Cover shield	
22	134 2640113900	Pulley		70	134 2520512000	Cushion	
23	F 3171601	Power trans.	EUR, AUS	71	4231921995	SW Micro	
23	F 3171801	Power trans.	CND	72	131 2140110300	Cover	
24	A 4850300	Plate		73	F 3132403	Wire shield assy.	
25	C 4850600	Arm rest assy.		73	131 0400414402	Wire shield assy.	
26	134 2160118200	Knob		74	4243200071	Power cord	
27	D 4850700	Knob		74	F 4771001	Power cord	
28	D 2098200	Unit plate		74	4243920390	Power cord	
29	134 2630211500	Belt		75	4226204360	Printed circuit BD	
30	C 4851700	Shaft T.T. assy.		76	4612202700	Neon lamp	
31	4237921520	Terminal lug		76	4612220795	Neon lamp	
32	134 2411614000	Spindle lifting		77	4226207950	PCB	
33	134 2510124700	Spring		78	F 3170201	Power PCB	
34	134 2331011900	Support arm		C1	C2E FRM103 C	Condenser	
35	B 4542500	Screw		C1	F 4795000	Condenser	
36	D 4402701	Cushion		R1	R3D XBJ333 A	OMF 33K Ω 2W	
37	134 2410824400	Plate		R1	R3A XBJ103 A	OMF 10K Ω 1W	
38	134 2510310900	Spring plate		79	F 3170202	Control PCB	
39	134 2412018400	Lever		C3	C1C RE108 A	Elect. 1000 μ 16V	
40	134 2412112000	Guide		R6	R2E DPJ103 A	Carbo 10K 1/4W	
41	134 2412412600	Cam		D1	DGG W02	Diode bridge	
42	E 4851600	Spring		VR1	F 3170502	VR 5KB	
43	134 2411011100	Gear cycling		VR2	4222201040	Semi fixed 20KB	
44	134 2412211800	Trip		VR3	4222201040	Semi fixed 20KB	
45	A 4841700	Trip		SW2	F 3170600	SW push 1 KEY	
46	134 2410700400	Collar		80	4234921631	Fuse	
47	D 4843400	Pin		81	D 2062300	Turntable platter mat	
48	D 4310000	45 rpm adapter		82		Nut	

SCREWS, WASHERS AND NUTS

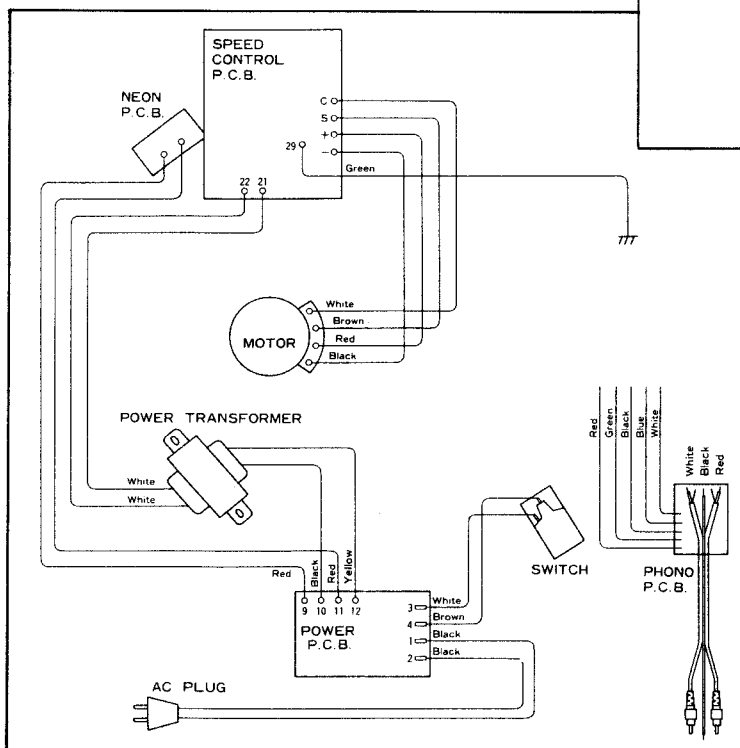
Ref. No.	Description	Ref. No.	Description
101	* Brazier head taptite screw B ϕ 2.6 x 6		with plain washer ϕ 3 x 12
102	* Brazier head taptite screw B ϕ 3 x 8	108	* Pan head taptite screw B ϕ 3 x 10
103	* Brazier head taptite screw B ϕ 3 x 10	109	* Pan head taptite screw C ϕ 3 x 14
104	* Brazier head taptite screw B ϕ 3 x 12	110	* Pan head taptite screw B
105	* Brazier head taptite screw B ϕ 3 x 16		with plain washer ϕ 2.6 x 6
106	* Brazier head taptite screw B	111	E type washer ϕ 2
	with plain washer ϕ 3 x 10	112	C type washer ϕ 5
107	* Brazier head taptite screw B	113	Stop ring CSTW-3

Version EUR**Version CND****Version AUS**

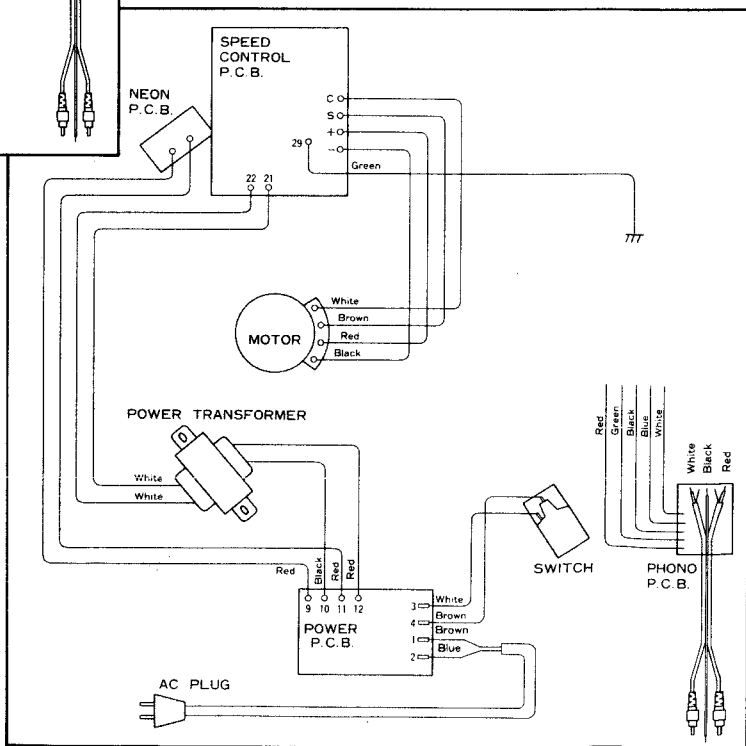
Version EUR

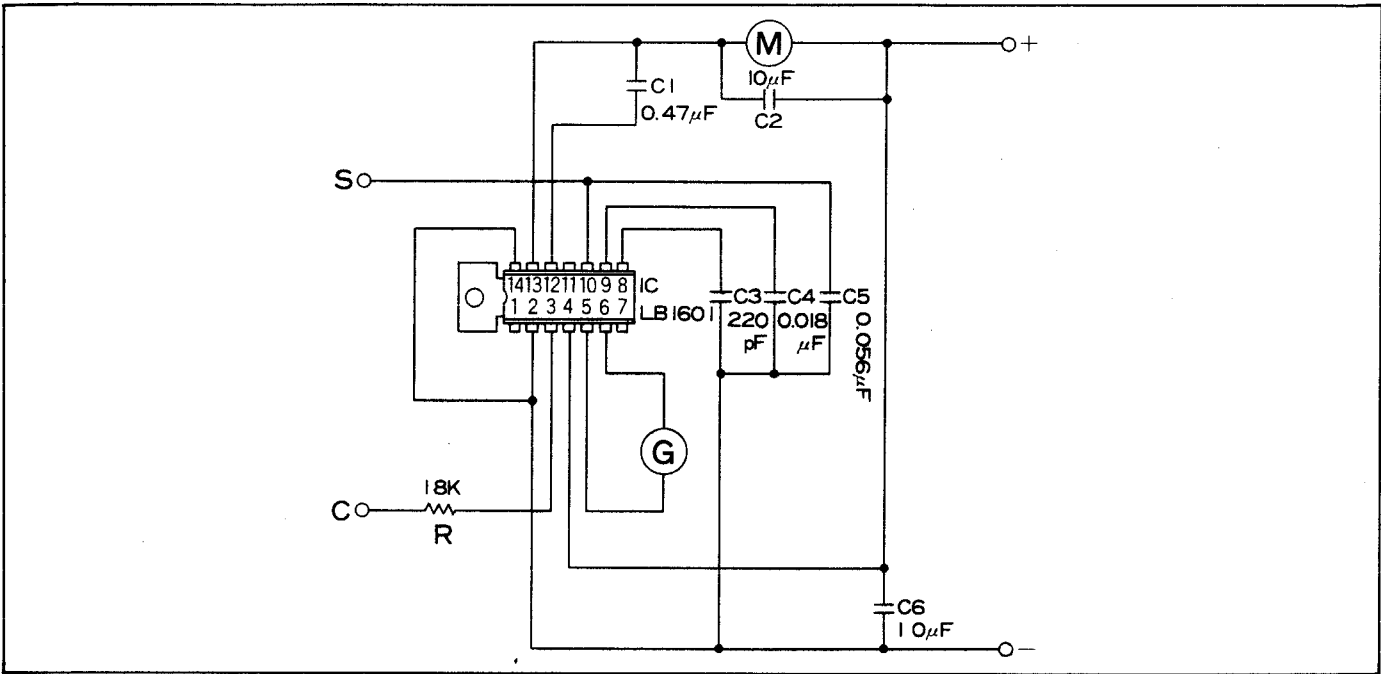


Version CND

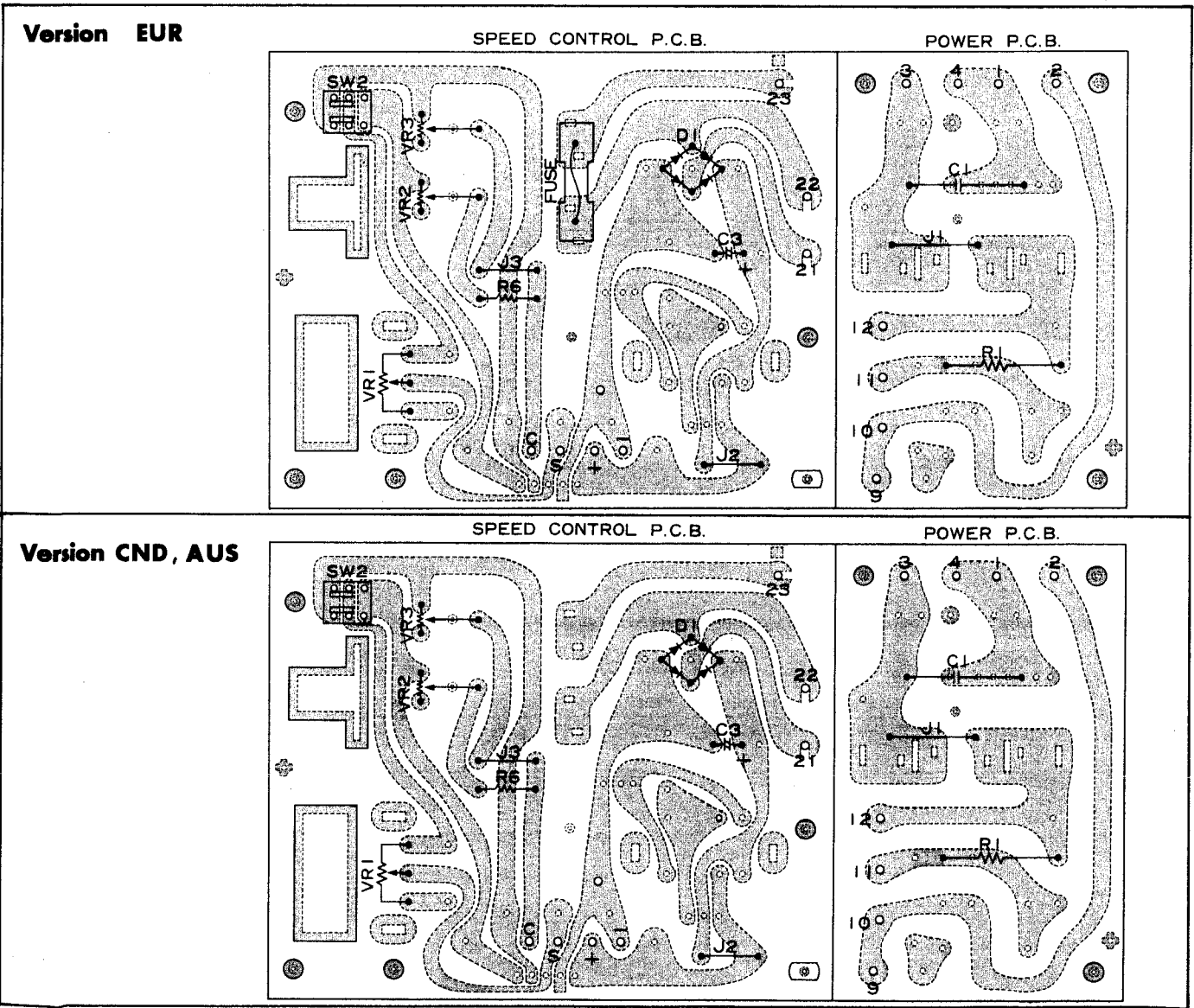


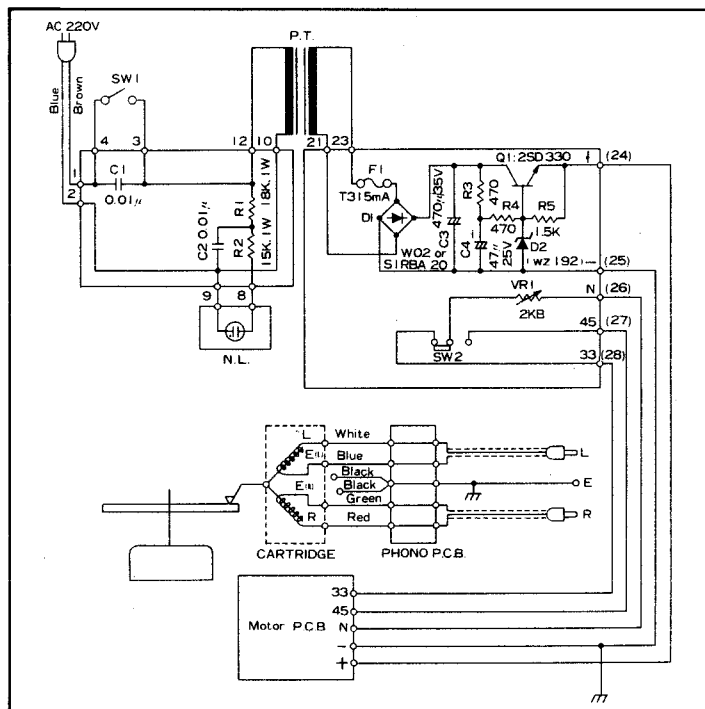
Version AUS





PRINTED CIRCUIT BOARD



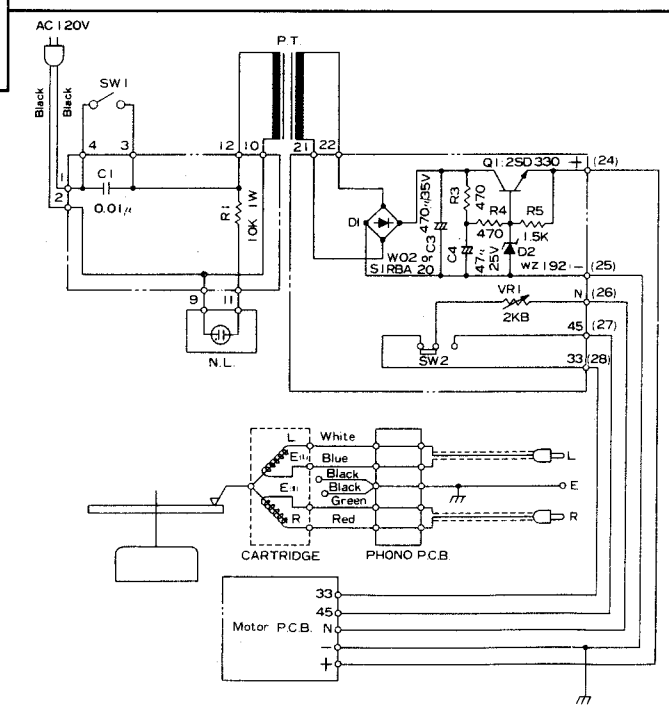


Version EUR

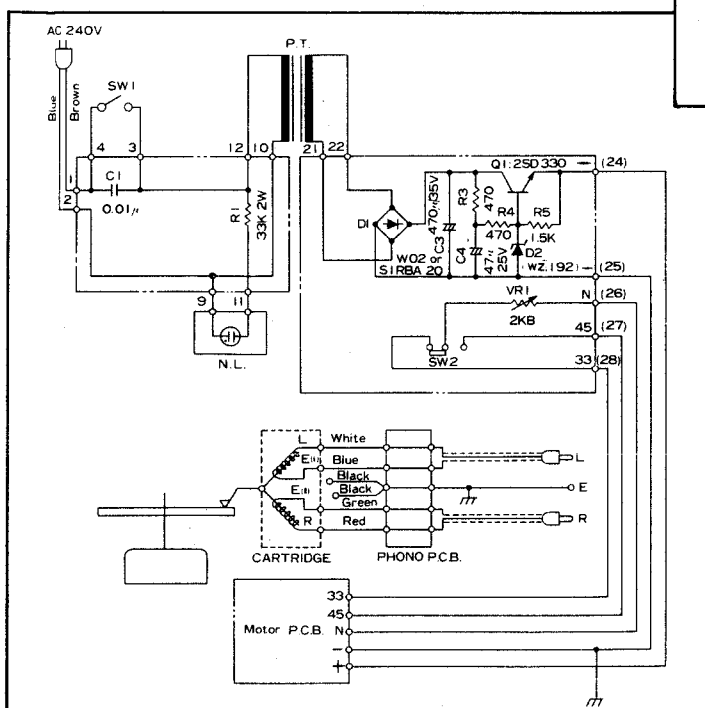
NOTE: The following arrangements are subject to be applicable upon safety approval at the same time:

- 1) R2 and C2 will be deleted.
- 2) R1 will be changed to 33 K Ω .
- 3) Point 8 will be changed to 11.

Version CND



Version AUS



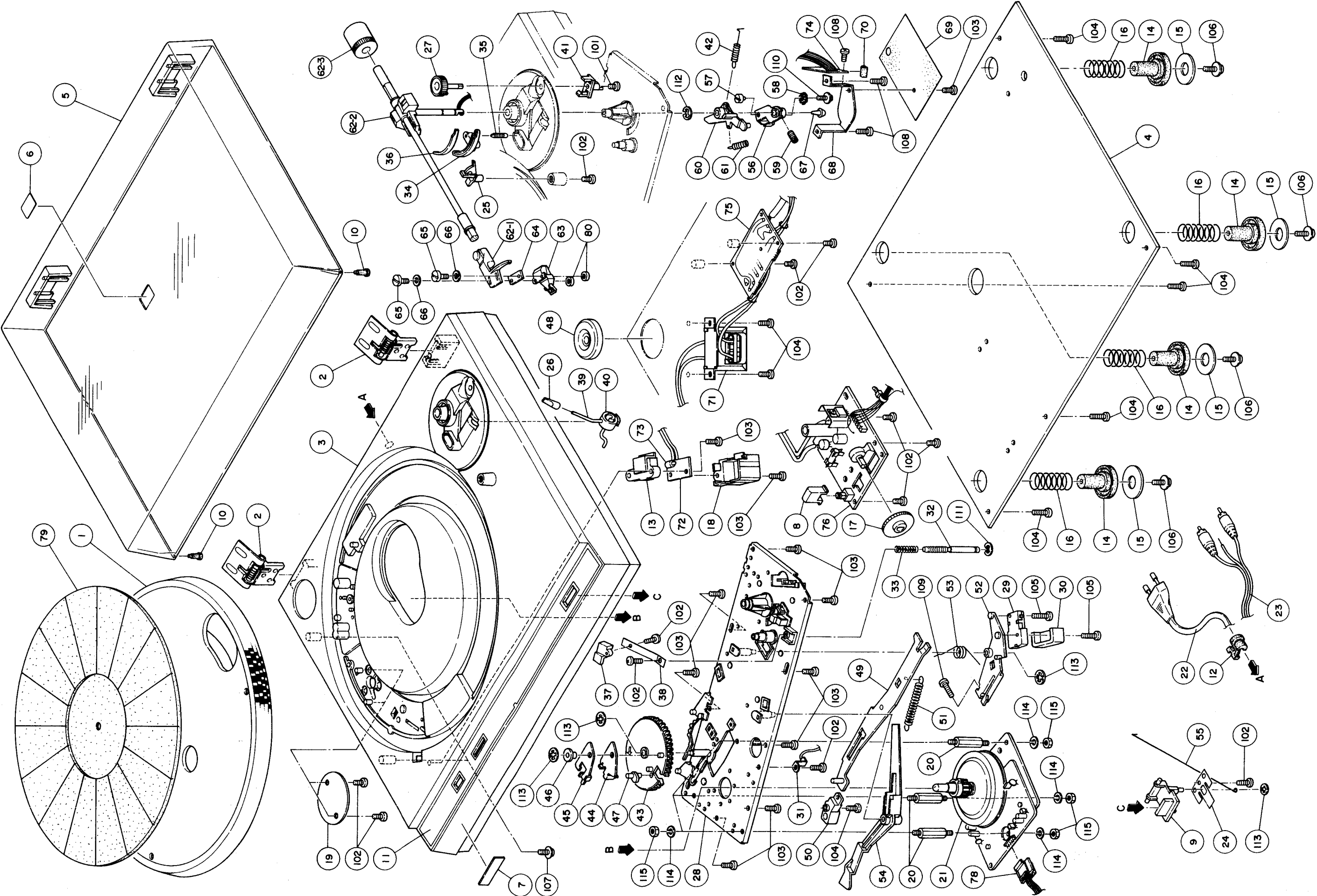
PARTS LIST

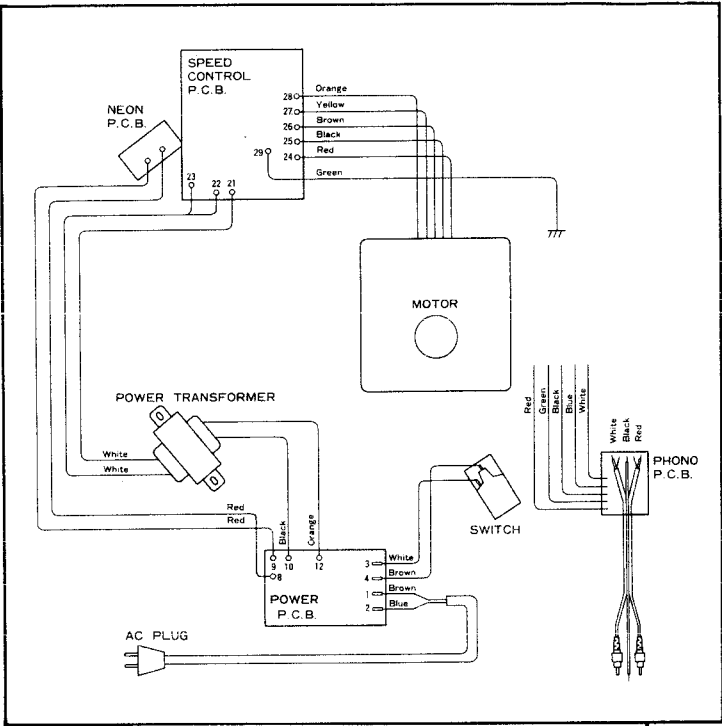
ST130

Ref. No.	Parts No.	Description	Version	Ref. No.	Parts No.	Description	Version
1	D 2045101	Turntable platter		50	134 2210612100	Holder	
2	K 4786900	Hinge		51	134 2510124600	Spring	
3	D 1005300	Cabinet		52	134 2410821000	Plate	
4	H 3172800	Plate bottom		53	134 2510130800	Spring	
5	D 2098300	Lid		54	134 2412319100	Arm	
6	K 4799800	Name plate	EUR, CND	55	E 4849500	Rod	
6	K 4831400	Name plate	AUS	56	134 0602212200	Plate PU fix assy.	
7	K 4852200	Name plate	EUR	57	134 2412412200	Cam	
8	D 4849900	Knob		58	131 2420317501	Wave washer	
9	D 4850200	Knob		59	131 2420115102	Screw	
10	131 2290413400	Pad lid		60	134 2412017100	Lever	
11	K 3173100	Panel control	EUR, CND	61	134 2510120500	Spring	
11	K 3173103	Panel control	AUS	62	C 3170801	Tonearm assy.	
12	D 4442100	Bushing	EUR, AUS	62-1	C 4847001	Headshell assy.	
12	131 2611121300	Bushing	CND	62-2	C 2097901	PU arm assy.	
13	D 3172600	Filter		62-3	C 4856400	Weight assy.	
14	D 4851000	Cushion		63	F 4849000	Cartridge	EUR, AUS
15	131 2520323600	Felt		64	A 4849100	Head spacer	EUR, AUS
16	134 2510215000	Spring mounting		65		Screw (-) 2.6 x 10	EUR, AUS
17	D 4849800	Knob		66		Washer	EUR, AUS
18	D 3172700	Cover		67	134 2411710600	Support shaft	
19	A 4351701	Blind		68	134 2240321900	Angle mount	
20	B 4853900	Spacer		69	F 4850900	Cover shield	
21	C 2099000	Motor assy.		70	134 2520512000	Cushion	
22	4243200071	Power cord	EUR	71	F 3171101	Power trans.	EUR
22	F 4771001	Power cord	AUS	71	F 3171201	Power trans.	AUS
22	4243920390	Power cord	CND	71	F 3171301	Power trans.	CND
23	F 3132403	Wire shield assy.	EUR, AUS	72	4226204360	Printed circuit B.D.	
23	131 0400414402	Wire shield assy.	CND	73	4612202700	Neon lamp	
24	A 4850300	Plate		73	4612220795	Neon lamp	
25	C 4850600	Arm rest assy.		74	4226207950	PCB	
26	134 2160118200	Knob		75	F 3170201	PCB	
27	D 4850700	Knob		R1	R3A XBJ183 A	OMF 18K 1W	EUR
28	D 2098200	Unit plate		R1	R3D XBJ333 A	OMF 33K 2W	AUS
29	4231921995	SW Micro		R1	R3A XBJ103 A	OMF 10K 1W	CND
30	131 2140110300	Cover	EUR, AUS	R2	R3A XBJ153 A	OMF 15K 1W	EUR
31	4237921520	Terminal lug		C1	C2E FRM103C-S	Condenser	EUR, AUS
32	134 2411614000	Spindle lifting		C1	F 4795000	Condenser	CND
33	134 2510124700	Spring		C2	C2E FRM103C-S	MYLAR 0.01μF 250V	EUR
34	134 2331011900	Support arm		76	F 3170202	PCB	
35	B 4542500	Screw		R3	R2E DBJ471 A	CARBO 470 1/4W	
36	D 4402701	Cushion		R4	R2E DPJ471 A	CARBO 470 1/4W	
37	134 2410824400	Plate		R5	R2E DPJ152 A	CARBO 1.5K 1/4W	
38	134 2510310900	Spring plate		C3	C1V RE477 A	ELECT 470μF 35V	
39	134 2412018400	Lever		C4	C1E RE476 A	ELECT 47μF 25V	
40	134 2412112000	Guide		D1	DGG W02	DIODE BRIDGE	
41	134 2412412600	Cam		D2	DJJ WZ192	ZENER DIODE WZ-192	
42	E 4851600	Spring		Q1	203 5857033040	2SD 330D	
43	134 2411011100	Gear cycling		Q1	203 5857033050	2SD 330E	
44	134 2412211800	Trip		VR1	F 3170501	VR 2K-B	
45	A 4841700	Trip		SW2	F 3170600	SW Push 1KEY	
46	134 2410700400	Collar		77	4234921411	Fuse	EUR
47	D 4843400	Pin		78	C 4849300	Cord assy.	
48	D 4310000	45 rpm adapter		79	D 2062300	Turntable platter mat	
49	134 0603511600	Return plate assy.		80		Nut	EUR, AUS

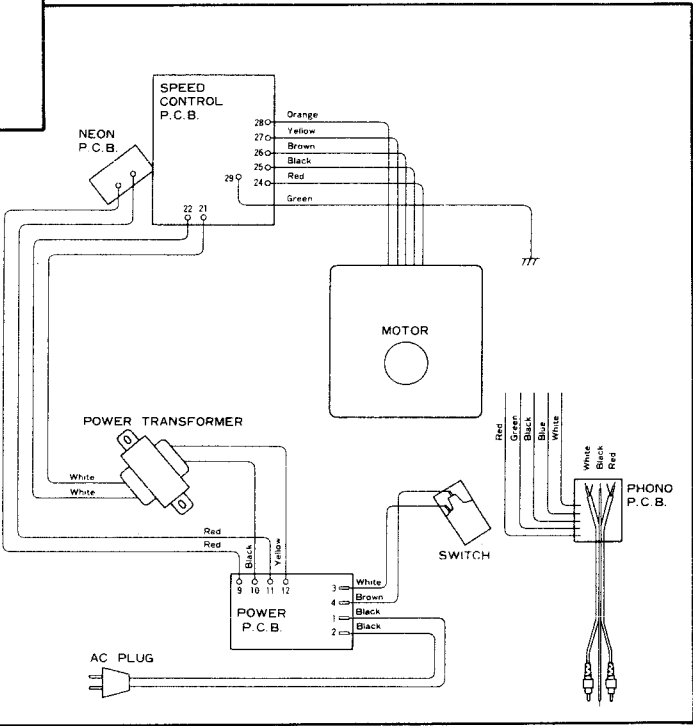
SCREWS, WASHERS AND NUTS

Ref. No.	Description	Ref. No.	Description
101	⊗ Brazier head taptite screw B $\phi 2.6 \times 6$	109	⊗ Pan head taptite screw C $\phi 3 \times 14$
102	⊗ Brazier head taptite screw B $\phi 3 \times 8$	110	⊗ Pan head taptite screw B with plain washer $\phi 2.6 \times 6$
103	⊗ Brazier head taptite screw B $\phi 3 \times 10$	111	E type washer $\phi 2$
104	⊗ Brazier head taptite screw B $\phi 3 \times 12$	112	C type washer $\phi 5$
105	⊗ Brazier head taptite screw B $\phi 3 \times 16$	113	Stop ring CSTW-3
106	⊗ Brazier head taptite screw B with plain washer $\phi 3 \times 10$	114	Spring washer $\phi 3$
107	⊗ Brazier head taptite screw B with plain washer $\phi 3 \times 12$	115	Hexagon nut M3
108	⊗ Pan head taptite screw B $\phi 3 \times 10$		



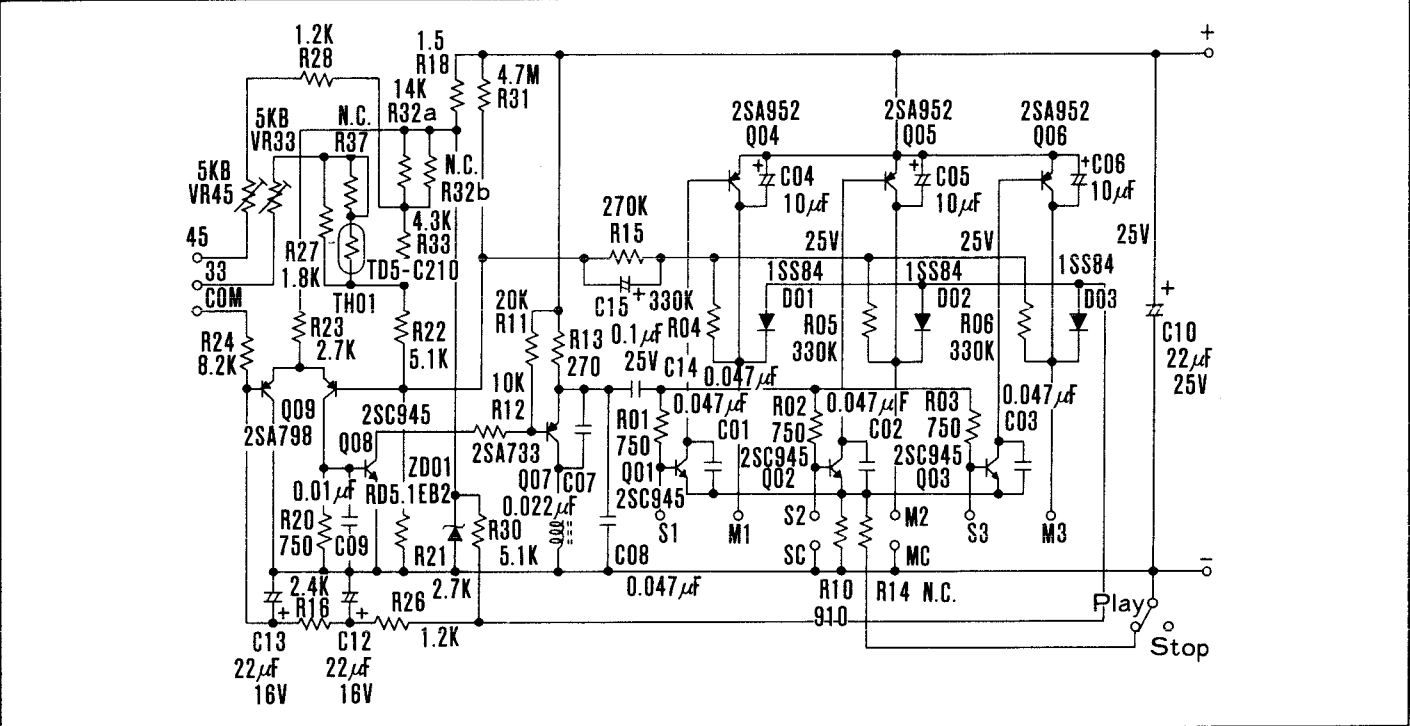
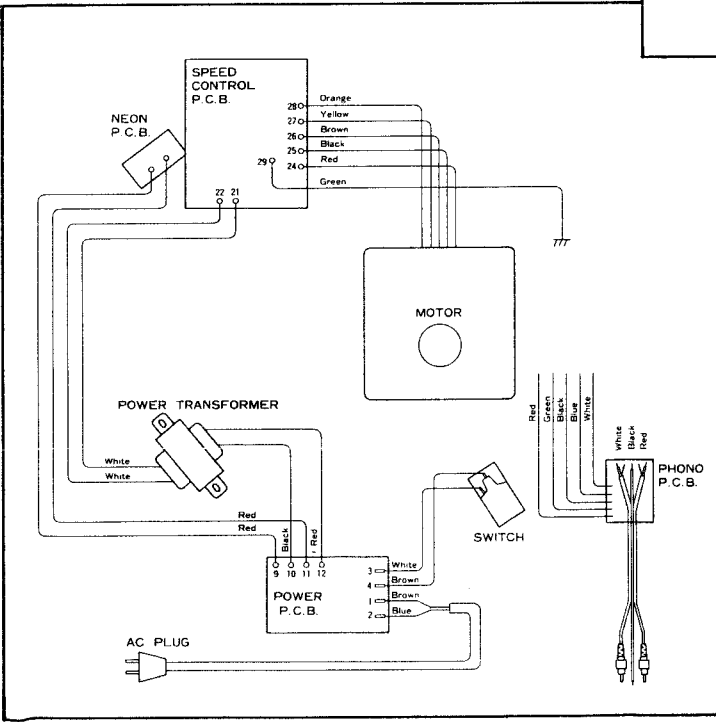


Version EUR



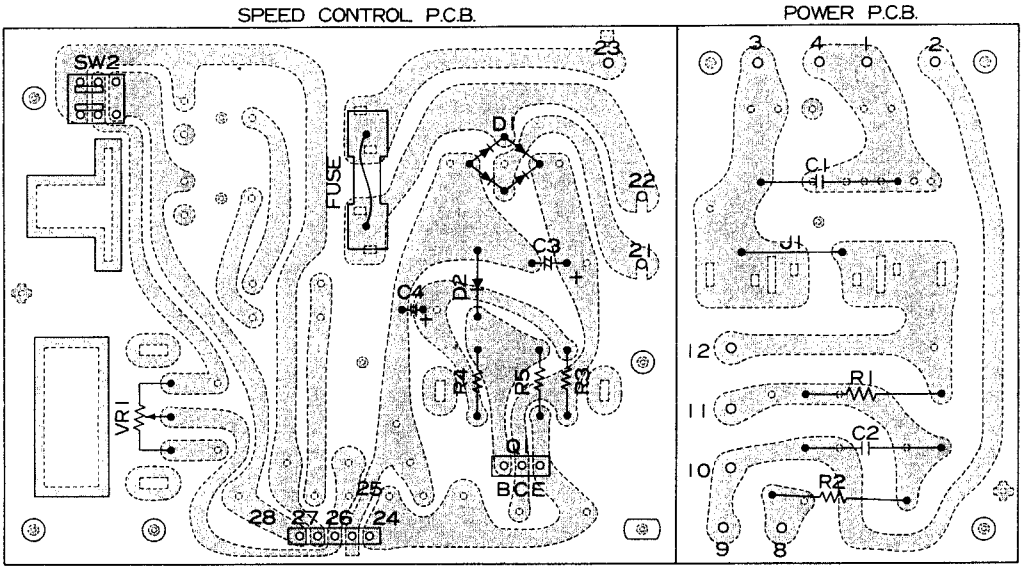
Version CND

Version AUS



PRINTED CIRCUIT BOARD

Version EUR



Version CND, AUS

