

Pioneer

Service Manual

ORDER NO.
RRV2091

CD CDV LD PLAYER

CLD-S320F

- Refer to the service manual RRV1342 for CLD-S310F/
WEZW/FR.

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Type	Model	Power Requirement	Remarks
	CLD-S320F		
WYXQ/FR	○	AC220-240V	

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1. CONTRAST OF MISCELLANEOUS PARTS

NOTES: ●Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.

●The Δ mark found on some component parts indicates the importance of the safety factor of the part.

Therefore, when replacing, be sure to use parts of identical designation.

●Reference Nos. indicate the pages and Nos. in the service manual for the base model.

●When ordering resistors, first convert resistance values into code form as shown in the following examples.

Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J=5%, and K=10%).

560 Ω $\rightarrow$ 56×10^1 $\rightarrow$ 561 RD1/4PU 5 6 1 J

47k Ω $\rightarrow$ 47×10^3 $\rightarrow$ 473 RD1/4PU 4 7 3 J

0.5 Ω $\rightarrow$ R50 RN2H R 5 0 K

1 Ω $\rightarrow$ 1R0 RS1P 1 R 0 K

Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).

5.62k Ω $\rightarrow$ 562×10^1 $\rightarrow$ 5621 RN1/4PC 5 6 2 1 F

■ CONTRAST TABLE

CLD-S320F/WYXQ/FR and CLD-S310F/WEZW/FR are constructed the same except for the following :

Mark	Ref. No.	Symbol and Description	Part No.		Remarks
			CLD-S310F /WEZW/FR	CLD-S320F /WYXQ/FR	
		2.1 PACKING			
NSP	P4-1	Caution (EW)	VRM1027	Not used	
	P4-4	Operating Instructions (French)	VRC1041	VRC1070	
	P4-5	Protector	VHB1007	Not used	
NSP	P4-8	Dry Cell Battery (R6P, AA)	VEM-013	VEM1010	
	P4-9	Remote Control Unit	VXX2268	Not used	
	P4-9	Remote Control Unit (CU-CLD155)	Not used	VXX2614	
	P4-12	Protector B	VHB1012	Not used	
	P4-13	Mirror Mat Sheet	Z23-007	DHL1006	
NSP	P4-14	Warranty Card	ARY7008	ARY7022	
	P4-15	Packing Case	VHG1450	VHG1752	
NSP		Cord Bag	Not used	VEG-012	for AC Power Cord
		Pad L	Not used	VHA1193	*1 No. 1
		Pad R	Not used	VHA1194	*1 No. 2
		2.2 EXTERIOR AND DISC TRAY SECTION			
	P6-1	Bonnet S	VXX2117	VXX2351	
	P6-7	CD Tray	VNK2687	VNK3007	
NSP	P6-10	LD Tray	VNK2686	VNK3188	
	P6-12	Door Spring	VBH1247	VBH1248	
	P6-13	Door Holder	VNL1658	VNL1697	
	P6-15	Door Shaft	VLL1455	Not used	
NSP	P6-15	Door Shaft	Not used	VLL1466	*2
	P6-16	CD Door	VNK2791	Not used	
NSP	P6-16	CD Door	Not used	VNK3316	*2
	P6-17	Damper Assy	VXA1999	Not used	
	P6-18	Tray Panel	VNK2801	VNK3315	
	P6-19	Disc Pad	VEC1682 (×12)	VEC1682 (×14)	
	P6-20	Tray Assy-S	VXX2171	Not used	
NSP	P6-22	Caution Label (F)	VRW-328	Not used	
		CD Door Assy	Not used	VXA2237	*2
		2.3 TOP VIEW SECTION			
NSP	P9-15	Panel Holder	VNA1710	VNA1840	

Mark	Ref. No.	Symbol and Description	Part No.		Remarks
			CLD-S310F /WEZW/FR	CLD-S320F /WYXQ/FR	
		2.4 FRONT PANEL SECTION			
NSP	P8-1	Front Panel	VNK3195	Not used	
	P8-1	Front Panel	Not used	VNK4305	*1 No. 1
	P8-2	Pioneer Badge	PAM1608	PAM1776	*1 No. 2
	P8-3	FL Lens	VEC1791	VEC2002	*1 No. 3
	P8-4	Key A	VNK2793	Not used	
NSP	P8-6	PW Button	VNK2329	Not used	
	P8-7	L Key	VNK2812	Not used	
	P8-8	Main Key	VNK3181	Not used	
	P8-10	FLKY Assy	VWG1657	VWG1965	*1 No. 4
	P8-11	KEYB Assy	VWG1627	Not used	
NSP		Key K	Not used	VNK2998	*1 No. 5
		LD Key	Not used	VNK4087	*1 No. 6
		CD Key	Not used	VNK4088	*1 No. 7
		10 Key	Not used	VNK4201	*1 No. 8
		Lens Holder	Not used	VNK4266	*1 No. 9
		Play Key	Not used	VNK4306	*1 No. 10
		Skip Key	Not used	VNK4307	*1 No. 11
		Stop Key	Not used	VNK4308	*1 No. 12
		KALB Assy	Not used	VWG1964	*1 No. 13
		2.5 BOTTOM VIEW SECTION			
	P10-1	MOTHER Assy	VWS1198	VWS1372	
	P10-3	SYPS Assy	VWR1234	VWR1275	
	P10-4	AC Power Cord	VDG1061	ADG1154	
	P10-5	Cord Stopper	CM-22B	Not used	
	P10-7	Rear Panel R	VNA1598	VNA1977	
NSP	P10-12	Insulator	PNW1912 (×4)	PNW1912 (×2)	*1 No. 1 (for Front)
NSP	P10-14	Base Chassis	VNA1461	VNA1564	
NSP	P10-15	Rear Panel L	VNA1580	Not used	
NSP	P10-15	Rear Panel L	Not used	VNA1976	
NSP	P10-20	SCRB Assy	VWV1432	VWV1656	
		Insulator Assy	Not used	VXA2295 (×2)	*1 No. 2 (for Rear)
		Power Joint	Not used	VNK4302	*1 No. 3

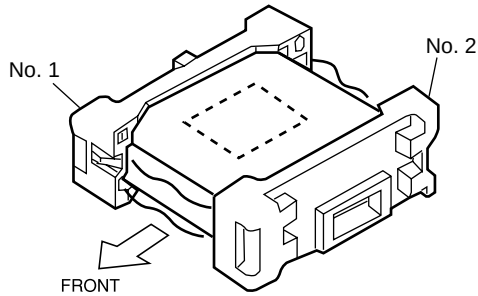
*1 : The numbers in the remarks column correspond to the numbers on the "EXPLODED VIEWS".

*2 :
 NSP | CD Door Assy VXA2237
 NSP | | Door Shaft VLL1466
 NSP | | CD Door VNK3316

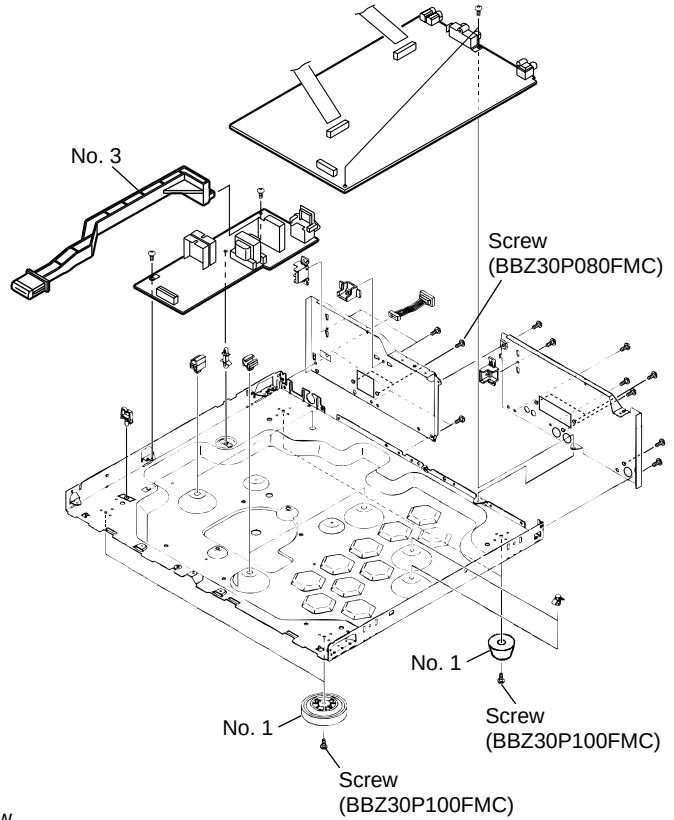
EXPLODED VIEWS

Note : The numbers on the exploded views correspond to the numbers on the "CONTRAST TABLE".

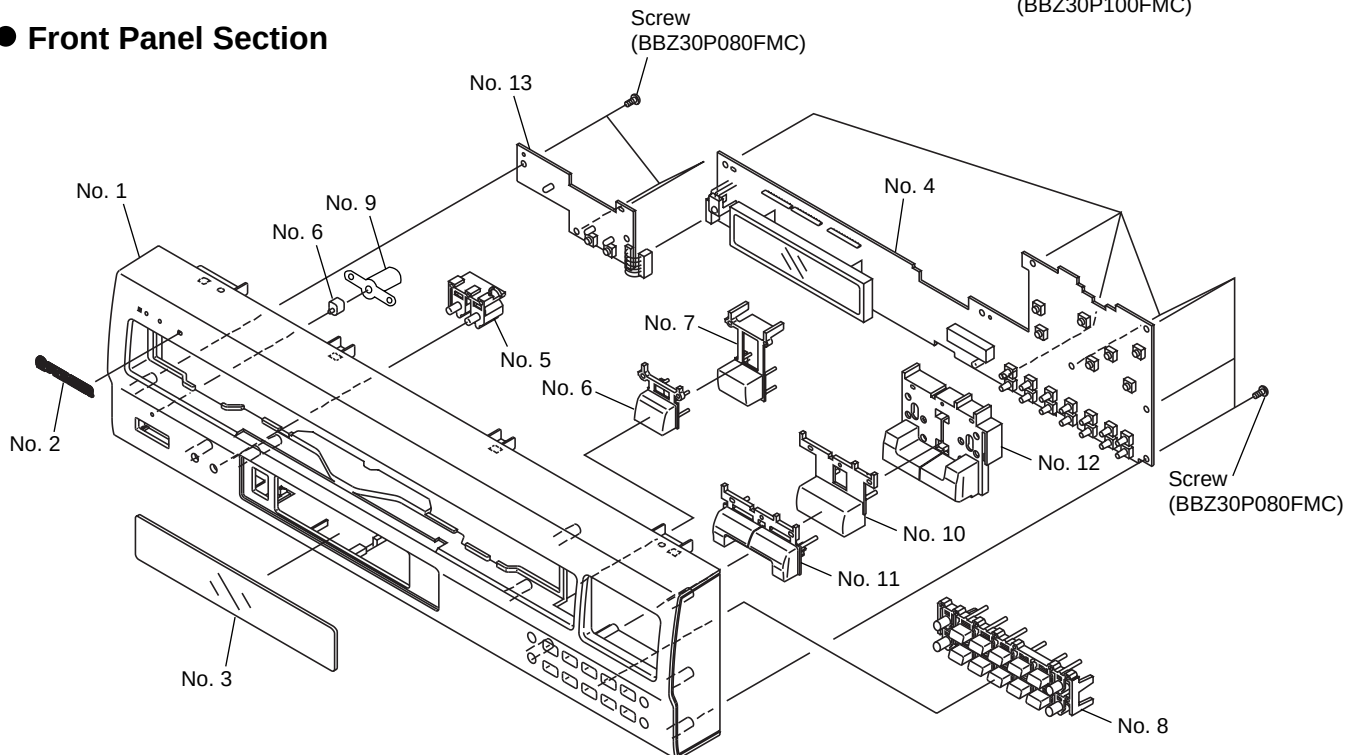
● Packing



● Bottom View Section



● Front Panel Section



■ PCB PARTS LIST

LIST OF WHOLE PCB ASSEMBLIES

Mark	Symbol and Description	Part No.		Remarks
		CLD-S310F /WEZW/FR	CLD-S320F /WYXQ/FR	
NSP	MACB ASSY	VWM1507	VWM1507	
NSP	└ LMSB ASSY	VWG1554	VWG1554	
NSP	└ PKSB ASSY	VWG1555	VWG1555	
NSP	└ FG ASSY	VWG1556	VWG1556	
NSP	FLKB ASSY	VWM1592	Not used	
NSP	└ KEYB ASSY	VWG1627	Not used	
NSP	└ FLKY ASSY	VWG1657	Not used	
NSP	FLKB ASSY	Not used	VWM1844	
NSP	└ KALB ASSY	Not used	VWG1964	
NSP	└ FLKY ASSY	Not used	VWG1965	
NSP	MOTHER ASSY	VWM1601	VWM1899	
	└ MOTHER ASSY	VWS1198	VWS1372	
	└ SCRB ASSY	VWV1432	VWV1656	
△	SYPS ASSY	VWR1234	VWR1275	

G MOTHER ASSY

VWS1372 and VWS1198 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		VWS1198	VWS1372	
	IC400	PAC005B	LA7133	Refer to page 12.
	IC801	PAC002A	LA9425	
	IC901	PAC003A	LA9420M	
	Q103,Q161,Q207,Q901,Q910	UN2212	DTC124EK	
	Q209,Q514,Q515	UN2112	DTA124EK	
	Q152	2SC3802K	2SC3802K	
	C444,C917	CEAS100M50	CEAT100M50	
	C424,C543,C565	CEAS101M10	CEAT101M10	
	C300	Not used	CEAT102M6R3	
	C904	CEAS1R0M50	CEAT1R0M50	
	C274,C275,C465,C922,C967,C968,C987	CEAS220M25	CEAT220M25	
	C519,C532,C576,C974,C975	CEAS221M10	CEAT221M10	
	C845,C902,C926	CEAS2R2M50	CEAT2R2M50	
	C101,C207,C225,C226,C270,C271,C422,C450,C458	CEAS470M10	CEAT470M10	
	C508,C516,C527,C530,C542,C547,C549,C553,C555	CEAS470M10	CEAT470M10	
	C558,C562,C564,C569,C801,C803,C833,C842,C844	CEAS470M10	CEAT470M10	
	C893,C927,C933	CEAS470M10	CEAT470M10	
	C210,C216	CEAS471M10	CEAT471M10	
	C850,C870	CEAS4R7M50	CEAT4R7M50	
	R106	RS1/10S104J	RS1/10S103J	
	R220,R222 (4.7Ω, 1/6W)	DCN1001	RFA1/6PU4R7J	
	VR450 (2.2kΩ)	RCP1019	VCP1123	
	VR603 (4.7kΩ)	RCP1020	VCP1154	
	VR604,VR607,VR612 (47kΩ)	RCP1047	VCP1160	

H SCRB ASSY

VWV1656 is the same as that of VWV1432.

CLD-S320F

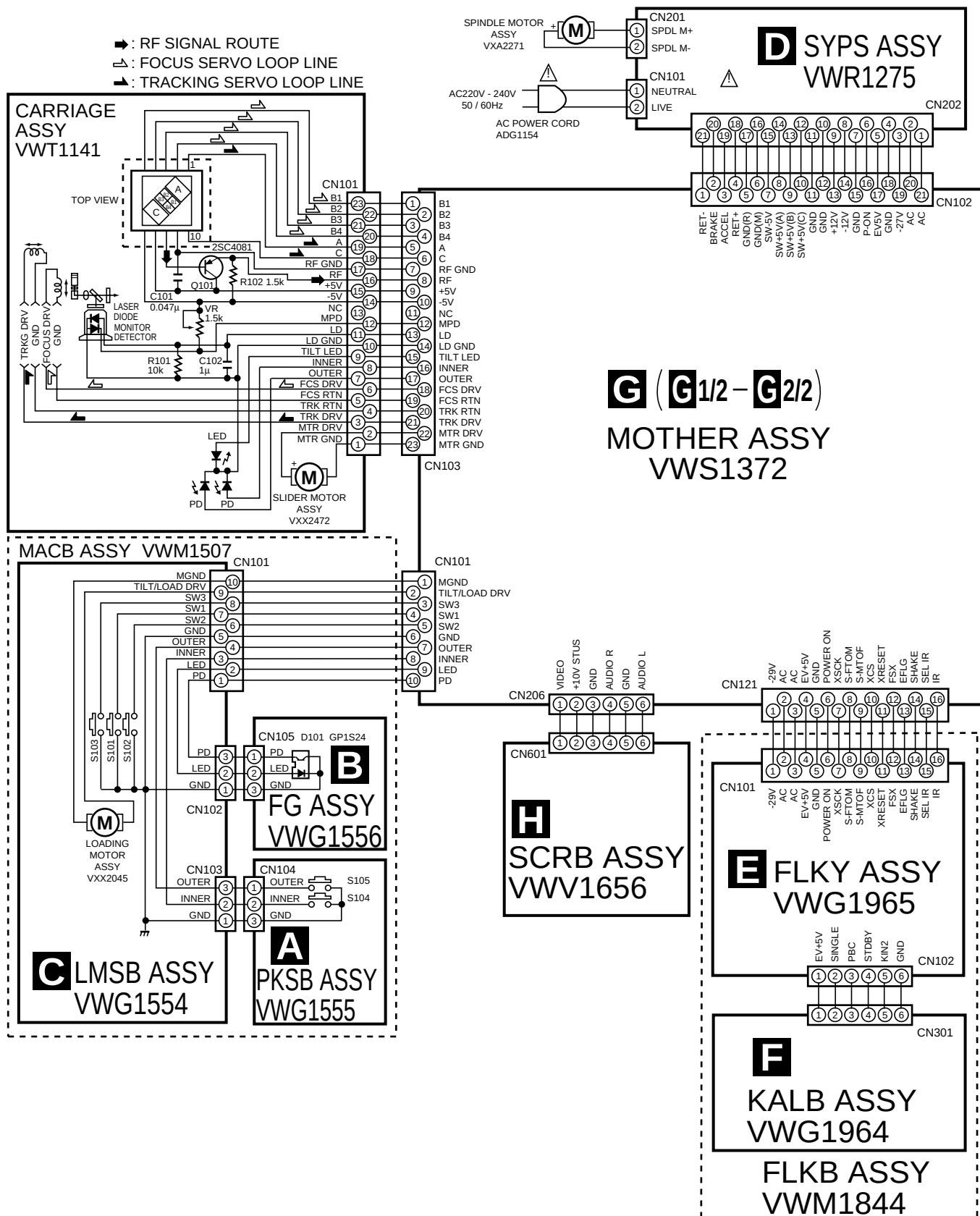
Mark	No.	Description	Part No.
A	PKSB ASSY		
	SWITCHES		
	S104,S105		DSG1017
B	FG ASSY		
	SEMICONDUCTOR		
	D101		GP1S24
C	LMSB ASSY		
	SWITCHES		
	S101-S103		DSG1017
OTHERS			
	CN101 10P FFC CONNECTOR		52044-1045
D	SYPS ASSY		
	SEMICONDUCTORS		
△	IC201	HA17431P	
△	IC210	ICP-N15	
△	IC211	ICP-N20	
	IC202	UPC358C	
	Q207,Q208,Q214	2SA933S	
	Q205,Q206,Q210	2SC1740S	
△	Q102,Q103	2SC3377	
△	Q213	2SD2395	
	Q203,Q204	T7F4S	
	Q201,Q202	T7F4T	
△	Q209	VZF1040	
△	Q101	VZF1041	
△	D104	1SS270A	
	D209-D212,D216	AG01Z-VO	
△	D101	D2SB60F4004	
△	D102	EG01C	
△	D103	MTZJ2.7B	
	D218	MTZJ8.2B	
△	D200	PS2561L1-1VM	
△	D106	RD18FB2	
	D207	RD33FB2	
△	D206	VZF1039	
△	D202,D203	VZF1042	
△	D204	VZF1043	
RESISTORS			
△	R257 (68Ω, 1/4W)	VCN1048	
△	R258 (10Ω, 1/4W)	VCN1051	
△	R256 (0.22Ω, 1/4W)	VCN1055	
OTHERS			
△	F101 FUSE (T1.6A/H250V)	REK1033	
△	F205 FUSE (2A)	VEK1033	
△	F201,F202 FUSE	VEK1034	
△	F203,F204 FUSE (1.0A/125V)	VEK1036	

Mark	No.	Description	Part No.
E	FLKY ASSY		
	SEMICONDUCTORS		
	IC101	PD3389A	
	IC102	S-806D	
	Q102	DTA144ES	
	Q101	DTC114ES	
	D101	1SS254	
SWITCHES			
	S113-S119	ASG1034	
	S101-S112,S120,S121	RSG1034	
CAPACITORS			
	C105,C109	CEAL100M16	
	C101,C103	CEAL470M6R3	
	C111-C113	CKPUYB101K50	
	C110	CKPUYB102K50	
	C108	CKPUYF223Z25	
	C102,C104,C106	CKPUYY103N16	
RESISTORS			
	All Resistors	RD1/4PU□□□J	
OTHERS			
	CN102 6P CONNECTOR	06R-FJ	
	CN101 FFC CONNECTOR 16P	52492-1620	
	X101 CERAMIC RESONATOR (8.00MHz)	EFOEC8004A4	
	REMOTE RECEIVER UNIT	GP1U28X	
	V101 FL TUBE SPACER	VAW1045	
	FL HOLDER	VEC1599	
		VNF1085	
F	KALB ASSY		
	SEMICONDUCTOR		
	D303	SLR-342VCT31	
SWITCHES			
	S301,S302	ASG1034	
RESISTORS			
	All Resistors	RD1/4PU□□□J	
OTHERS			
	CN301 FJ CONNECTOR 6P	06P-FJ	

2. SCHEMATIC DIAGRAM

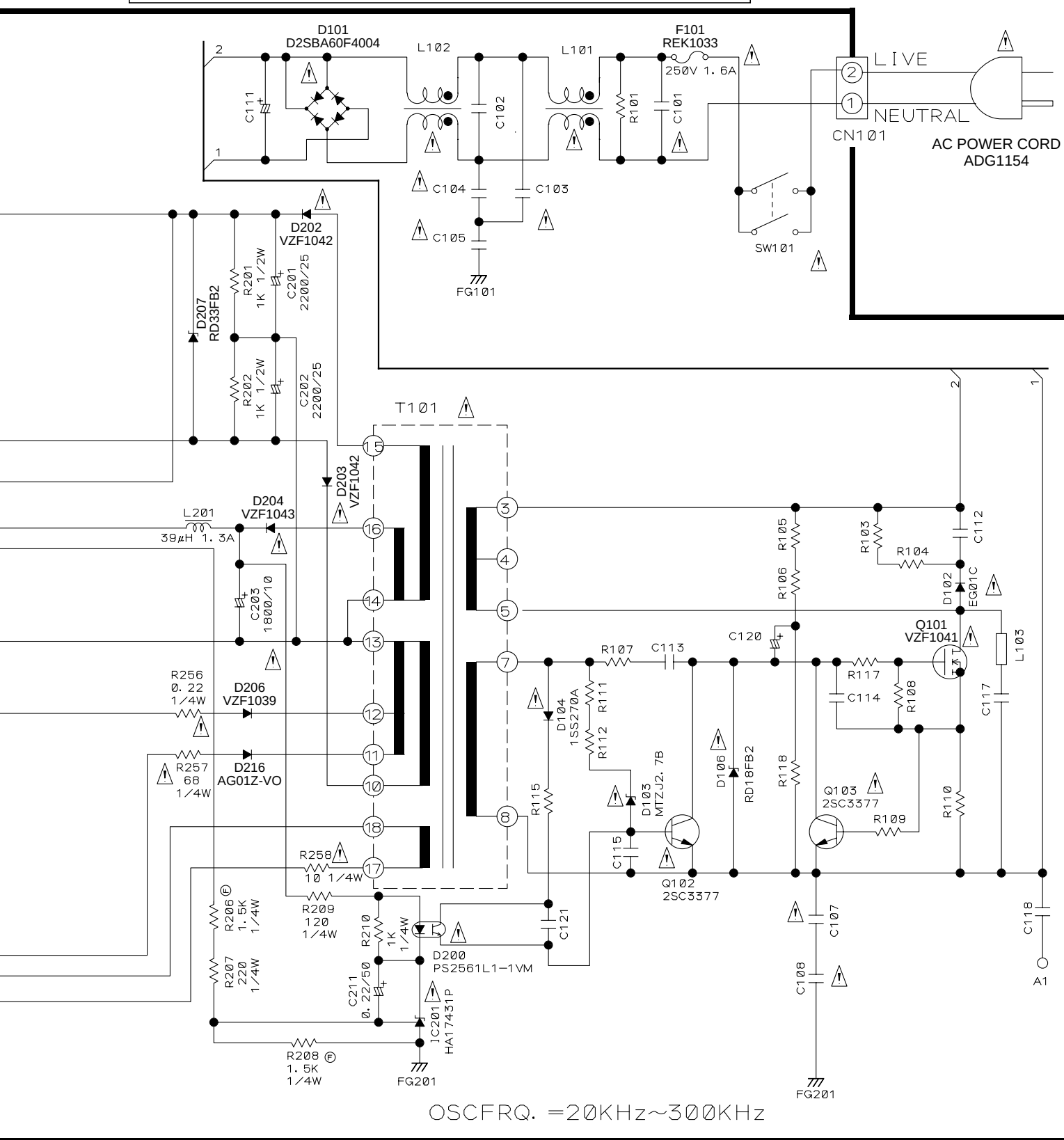
Note : When ordering service parts, be sure to refer to "EXPLODED VIEWS and PARTS LIST" or "PCB PARTS LIST".

2.1 OVERALL CONNECTIONS, PKSB, FG and LMSB ASSEMBLIES



• NOTE FOR FUSE REPLACEMENT

CAUTION -FOR CONTINUED PROTECTION AGAINST RISK OF FIRE.
REPLACE WITH SAME TYPE AND RATINGS ONLY.



A

B

C

D

G2/2

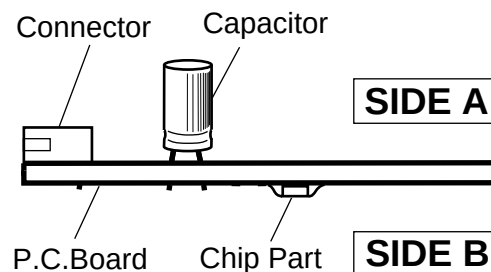
3. PCB CONNECTION DIAGRAM

NOTE FOR PCB DIAGRAMS :

1. Part numbers in PCB diagrams match those in the schematic diagrams.
2. A comparison between the main parts of PCB and schematic diagrams is shown below.

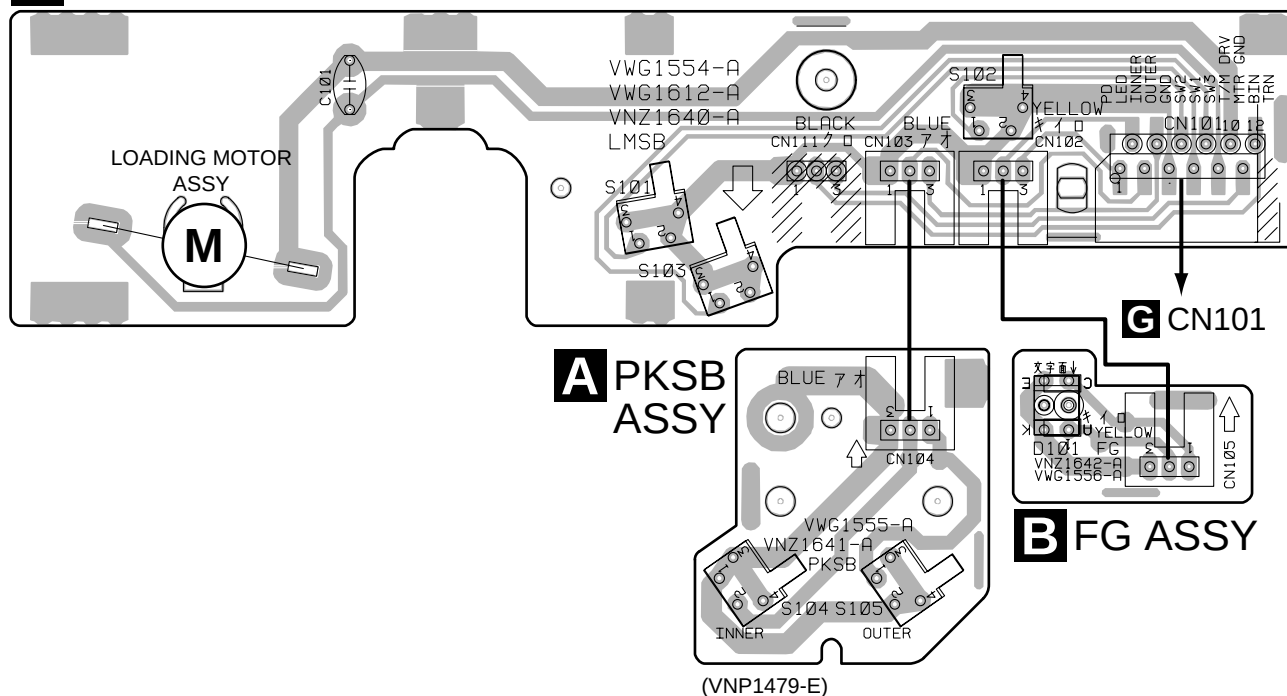
Symbol In PCB Diagrams	Symbol In Schematic Diagrams	Part Name
		Transistor
		Transistor with resistor
		Field effect transistor
		Resistor array
		3-terminal regulator

3. The parts mounted on this PCB include all necessary parts for several destinations.
- For further information for respective destinations, be sure to check with the schematic diagram.
4. View point of PCB diagrams.



3.1 PKSB, FG and LMSB ASSEMBLIES

C LMSB ASSY



A



D

E

A

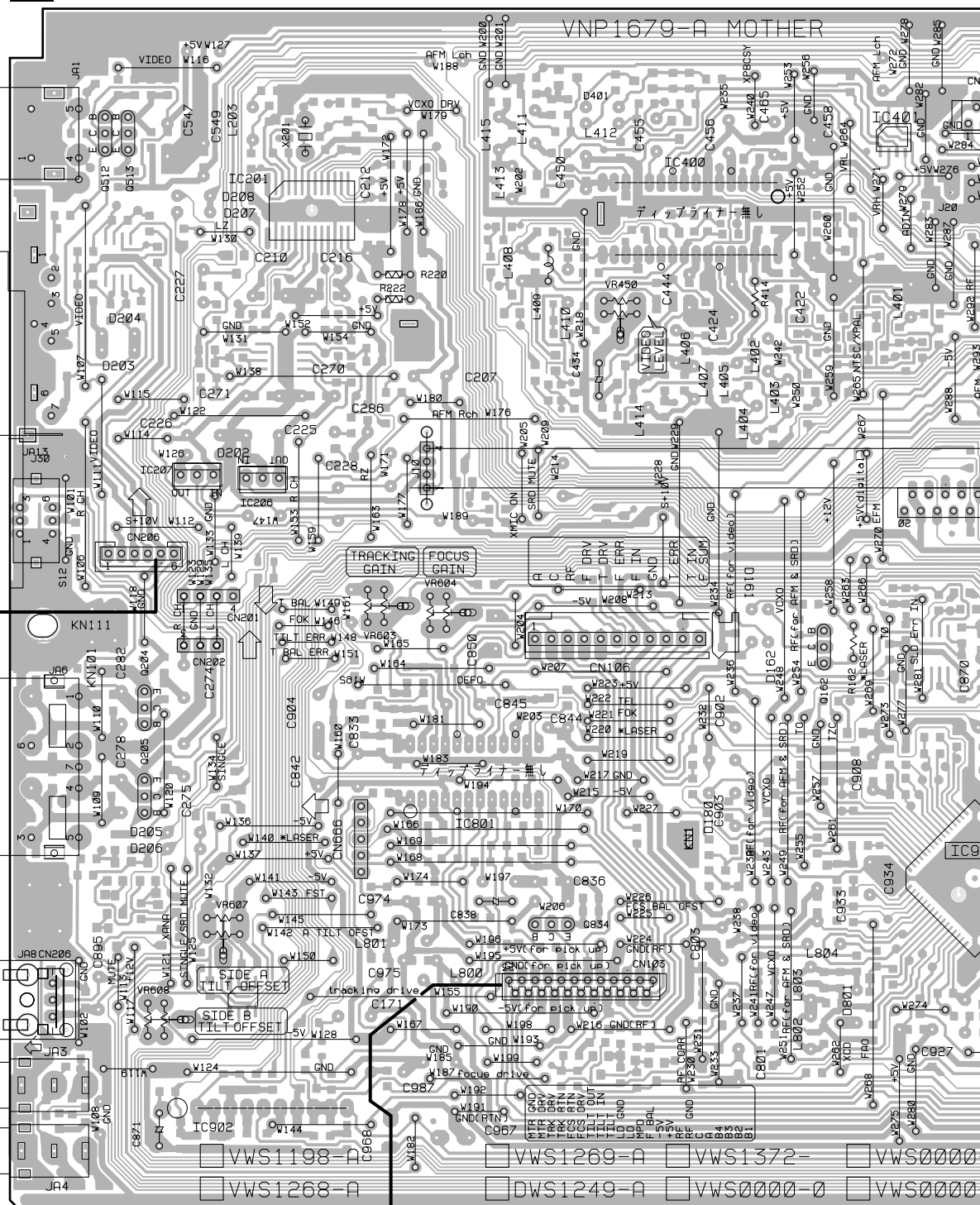
H SCRB
ASSY

B

C

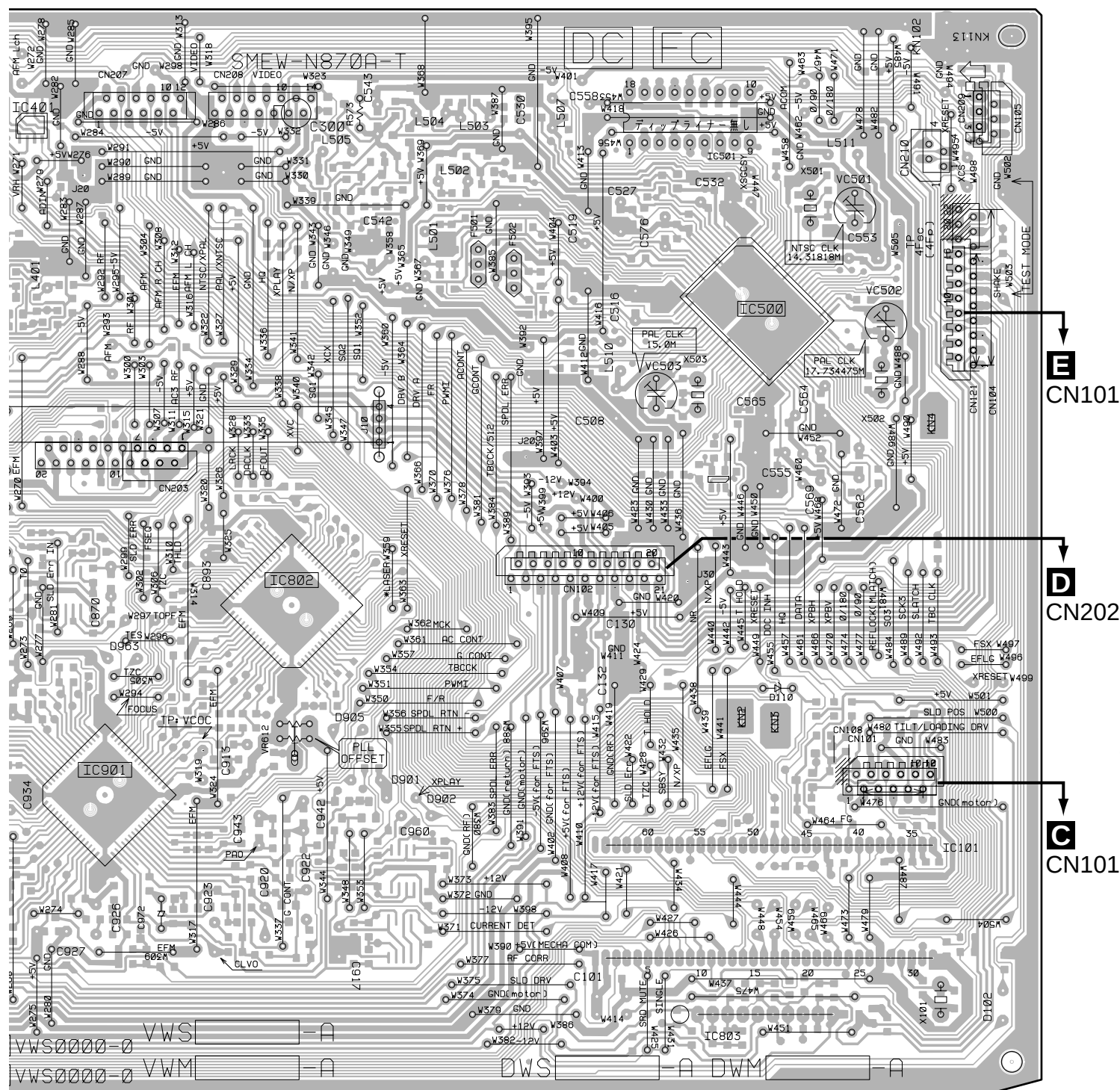
CARRIAGE
ASSY ←
CN101

D



VR608 VR607		VR603 VR604		VR450	
Q512	Q513			IC400	
IC207 IC206		IC801		Q834	Q162
Q204	Q205			IC902	

SIDE A



(VNP1679-A)

VR612

VC503

VC501 VC502

IC101
IC803

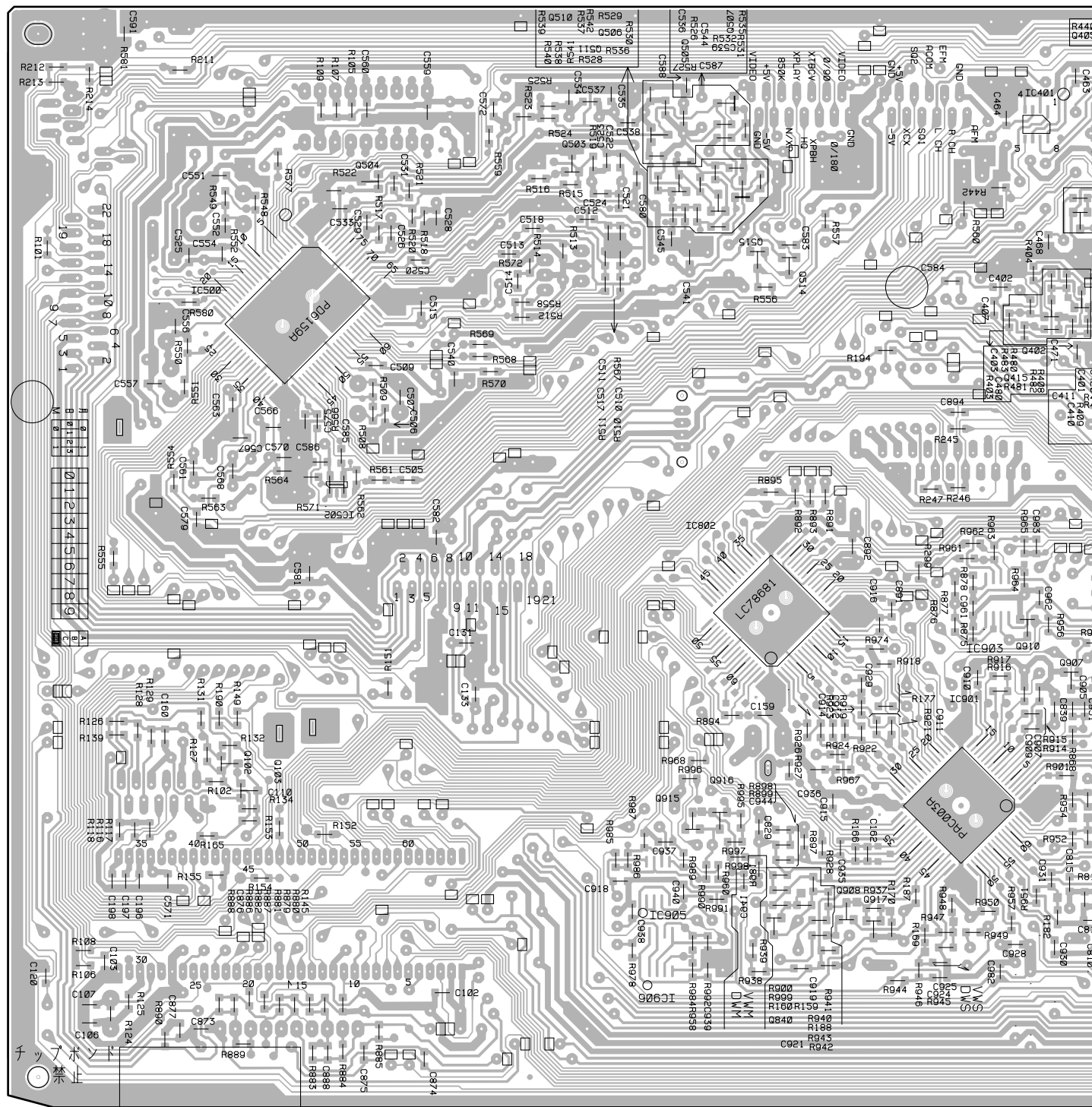
SIDE A

A

B

C

D



IC500 Q510 Q511 Q505-Q507 IC802 Q514 IC401 Q405
IC502 Q504 Q503 Q915 Q916 Q908 Q917 IC901 Q910 Q907 Q911
Q102 Q103 IC905 IC906 Q840

SIDE B

