

Pioneer

Service Manual

ORDER NO.
RRV2112

FILE-TYPE COMPACT DISC PLAYER

PD-F17

- Refer to the service manual RRV2085 for PD-F958/KUXQ/CA.

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

Type	Model	Power Requirement	Remarks
	PD-F17		
KUXQ/CA	O	AC120V	

CONTENTS

- 1. CONTRAST OF MISCELLANEOUS PARTS 2
- 2. SCHEMATIC DIAGRAM 8
- 3. PCB CONNECTION DIAGRAM 9

1. CONTRAST OF MISCELLANEOUS PARTS

- NOTES :
- Parts marked by “ NSP ” are generally unavailable because they are not in our Master Spare Parts List.
 - The $\triangle$ 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 $\Omega \rightarrow 56 \times 10^1 \rightarrow 561$ RD1/4PU $\begin{bmatrix} 5 \\ 6 \end{bmatrix} \begin{bmatrix} 1 \\ J \end{bmatrix}$
 47k $\Omega \rightarrow 47 \times 10^3 \rightarrow 473$ RD1/4PU $\begin{bmatrix} 4 \\ 7 \end{bmatrix} \begin{bmatrix} 3 \\ J \end{bmatrix}$
 0.5 $\Omega \rightarrow R50$ RN2H $\begin{bmatrix} R \\ 5 \end{bmatrix} \begin{bmatrix} 0 \\ K \end{bmatrix}$
 1 $\Omega \rightarrow 1R0$ RS1P $\begin{bmatrix} 1 \\ R \end{bmatrix} \begin{bmatrix} 0 \\ K \end{bmatrix}$
- Ex. 2 When there are 3 effective digits (such as in high precision metal film resistors).
- 5.62k $\Omega \rightarrow 562 \times 10^1 \rightarrow 5621$ RN1/4PC $\begin{bmatrix} 5 \\ 6 \end{bmatrix} \begin{bmatrix} 2 \\ 1 \end{bmatrix} \begin{bmatrix} F \end{bmatrix}$

■ CONTRAST TABLE

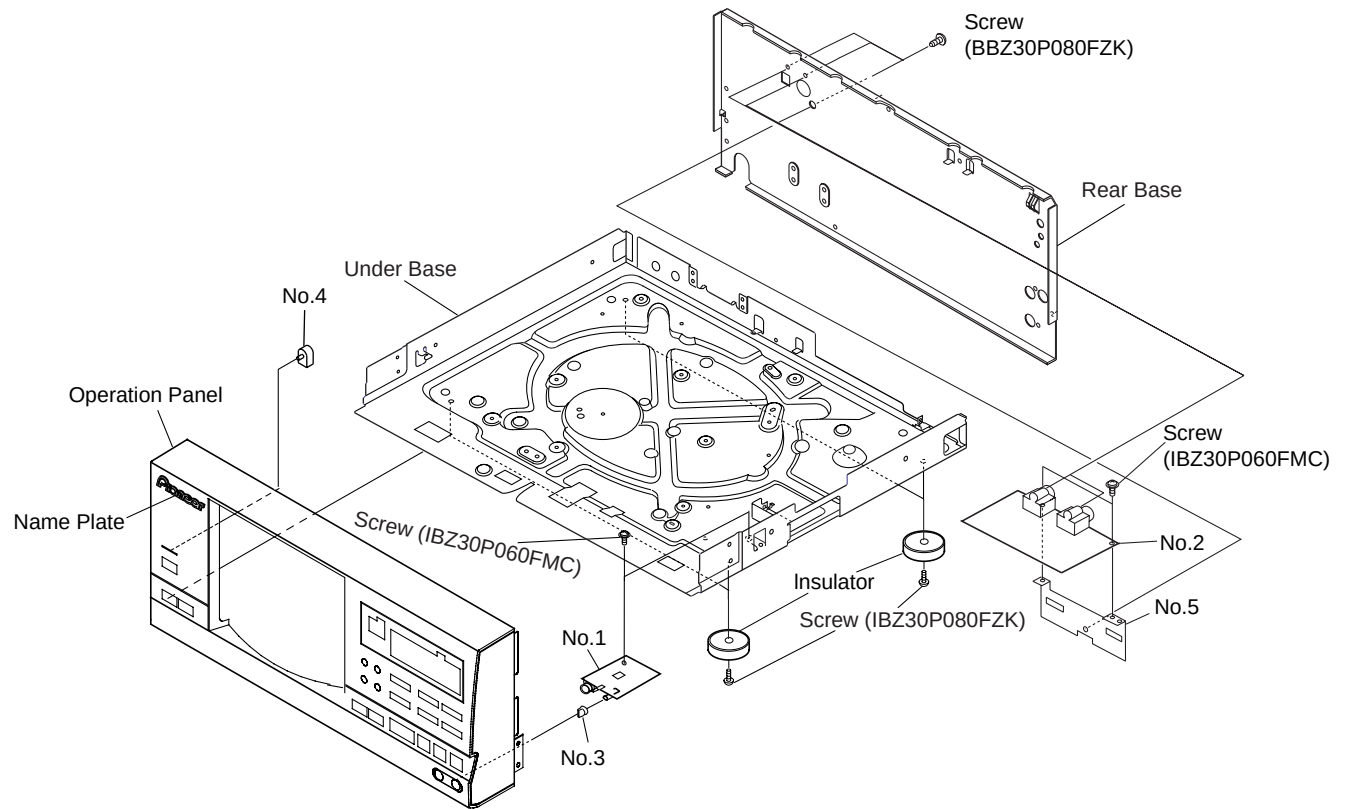
PD-F17/ KUXQ/CA and PD-F958/KUXQ/CA are constructed the same except for the following:

Ref. No.	Mark	Symbol and Description	Part No.		Remarks
			PD-F958/ KUXQ/CA	PD-F17/ KUXQ/CA	
		EXTERIOR			
P6-1	NSP	MOTHER BOARD ASSY	PWM2269	PWM2272	
P6-2	$\triangle$	— MAIN BOARD ASSY	PWZ3895	PWZ3898	
P6-3	$\triangle$	— POWER BOARD ASSY	PWZ3900	PWZ3902	
P6-4	NSP	— DISPLAY BOARD ASSY	PWZ3904	PWZ3905	
	NSP	— SWITCH BOARD ASSY	PWZ3907	PWZ3908	
	NSP	— HEADPHONE BOARD ASSY	Not used	PWZ3911	No.1
	NSP	— COAXIAL OUTPUT BOARD ASSY	Not used	PWZ3917	No.2
P6-14		Foot Assy	REC1263	Not used	
P6-18		Rear Base	PNA2452	PNA2502	
P6-20		Insulator	PNW2766 (X2)	PNW2766 (X4)	
P6-46		Name Plate	PAM1776	PAN1376	
P6-50		Operation Panel	PNW2869	PNW2918	
P6-52		Hood	PNW2865	PNW2919	
		Headphone Knob	Not used	PAC1707	No.3
		LED Lens	Not used	PNW2019	No.4
		SR Angle	Not used	PNB1192	No.5
		PACKING			
P3-5	NSP	Warranty Card	ARY7023	ARY7007	
P3-7		Operating Instructions (English)	PRB1278	PRB1289	
P3-11		Packing Case	PHG2337	PHG2374	

Note : • The numbers in the remarks column correspond to the numbers on the exploded diagram, Refer to "EXPLODED VIEWS".

■ EXPLODED VIEWS

● EXTERIOR SECTION



■ CONTRAST OF PCB ASSEMBLIES

MAIN BOARD ASSY

PWZ3898 and PWZ3895 are constructed the same except for the following:

Mark	Symbol and Description	Part No.		Remarks
		PWZ3895	PWZ3898	
	C81, C332, C333, C367, C461 C475, C477, C4276, C4287 C185, C323 C321 C322	Not used Not used CKCYF103Z50 CFTLA104J50 CEAT101M10	CKCYF103Z50 CKCYF103Z50 Not used Not used Not used	
	C331 C341, C342 C365, C395, C413– C416, C4277 C388, C389 C401	Not used CCCCCH120J50 Not used Not used Not used	CEAT470M16 Not used CFTLA104J50 CCCSL101J50 CEAT471M6R3	
	C403 C404 C429, C430, C435– C438 C431, C432 C481, C482	Not used Not used Not used Not used CCCSL390J50	CCCCCH120J50 CCCCCH220J50 CCCSL390J50 CEAT330M16 Not used	
	CN401, CN951 D451, D452 IC341 IC401 IC406	Not used Not used Not used Not used Not used	52147-0310 1SS254 PD0236AM PD2029A BA15218	
	JA321 L151, L152, L307, L309, L351 Q451, Q452 Q453, Q454 R310– R312, R411– R413	GP1F32T Not used Not used Not used Not used	Not used RTF1167 DTC124ES 2SJ103 RD1/4PU241J	
	R341 R342 R364, R451, R452 R365 R375	RD1/4PU271J RD1/4PU105J Not used RD1/4PU103J RD1/4PU471J	Not used Not used RD1/4PU103J Not used RD1/4PU241J	
	R401, R457, R458, R472, R473 R405– R410 R427– R430 R435, R436 R437, R438	Not used Not used Not used Not used RD1/4PU473J	RD1/4PU102J RD1/4PU471J RD1/4PU223J RD1/4PU163J RD1/4PU163J	
	R439– R442 R470, R471 R481, R482, R485, R486 R487– R490 X341	RD1/4PU823J Not used RD1/4PU223J RD1/4PU104J PSS1008	RD1/4PU443J RD1/4PU470J Not used Not used Not used	
	X401	Not used	PSS1008	

Note : Refer to "2.SCHEMATIC DIAGRAM".

IF POWER BOARD ASSY

Although PWZ3900 and PWZ3902 are different in part number, they consist of the same components.

MF DISPLAY BOARD ASSY

PWZ3905 and PWZ3904 are constructed the same except for the following:

Mark	Symbol and Description	Part No.		Remarks
		PWZ3904	PWZ3905	
NSP	C714 J703	Not used Not used	CKCYF103Z50 DE010WE0	

Note : Refer to "2.SCHEMATIC DIAGRAM".

LF SWITCH BOARD ASSY

PWZ3908 and PWZ3907 are constructed the same except for the following:

Mark	Symbol and Description	Part No.		Remarks
		PWZ3907	PWZ3908	
	D751 R751	Not used Not used	PCX1019 RD1/4PU471J	

Note : Refer to "2.SCHEMATIC DIAGRAM".

PCB PARTS LIST

Mark	No.	Description	Part No.
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PHADPHONE BOARD ASSY (PWZ3911)

COILS AND FILTERS

L501, L504, L505 (AXIAL INDUCTOR)	LAU1R0J
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CAPACITORS

C503	CKCYF473Z50
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RESISTORS

VR501 (0.5kΩB)	PCS1003
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OTHERS

JA501	HADPHONE JACK	RKN1002
	3P Cable Holder	51048-0300
J501	2mm JUMPER WIRE	D20PDY0315E

Mark	No.	Description	Part No.
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COAXIAL OUTPUT BOARD ASSY (PWZ3917)

SEMICONDUCTORS

IC951 (LOGIC)	TA74HCU04AP
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COIL

L952 (COIL)	PTL1003
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CAPACITORS

C959	CCCSL101J50
C954	CEAT101M10
C951	CEAT470M16
C955, C957, C958, C961	CFTLA104J50
C952	CKCYF103Z50

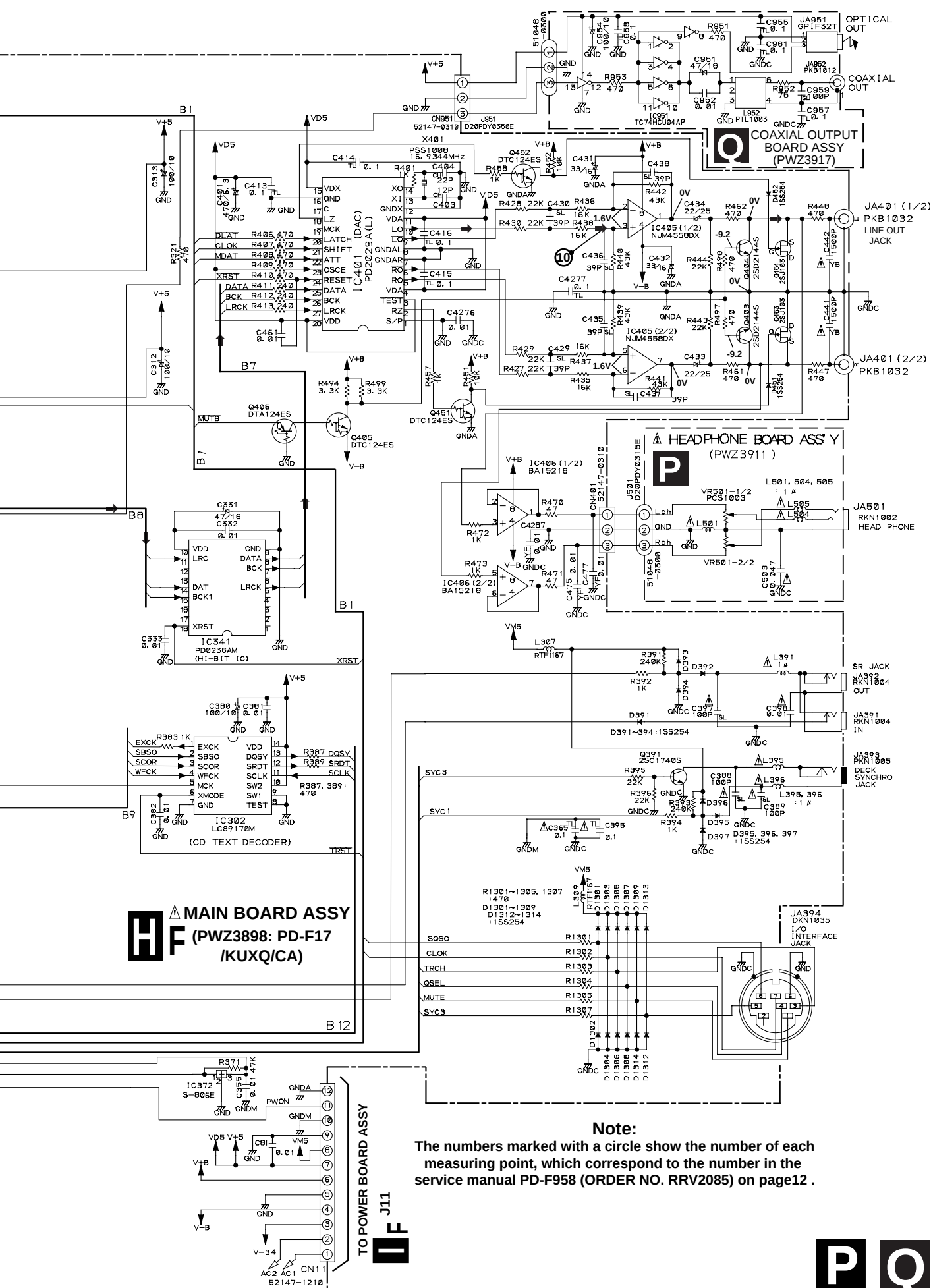
RESISTORS

R951, R953	RD1/4PU471J
R952	RD1/4PU750J

OTHERS

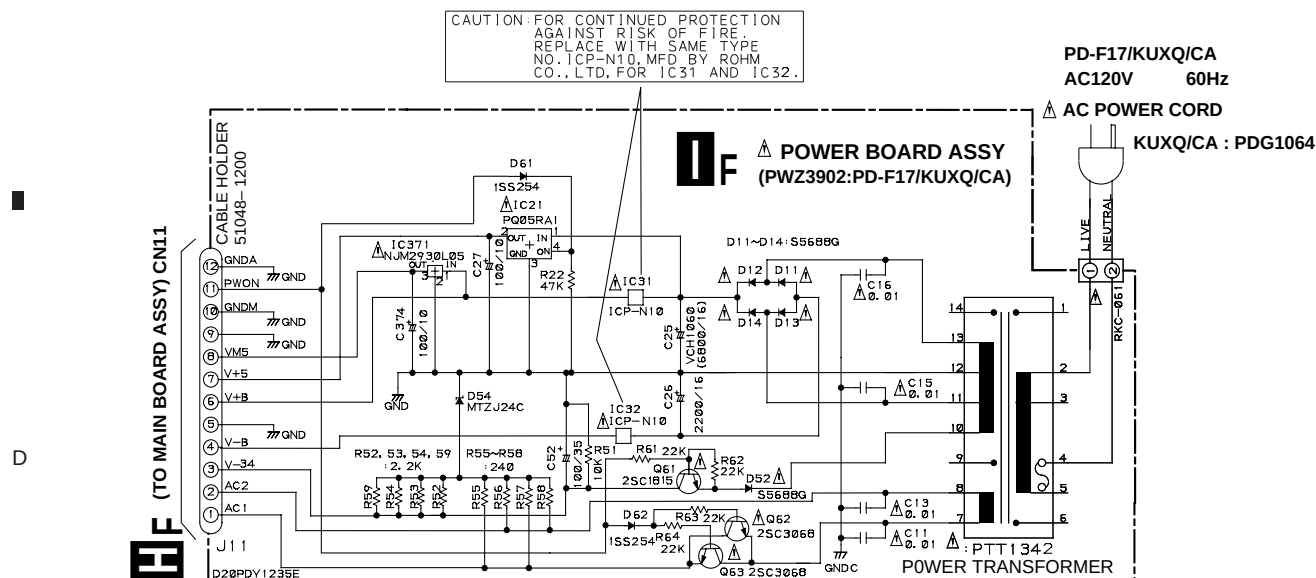
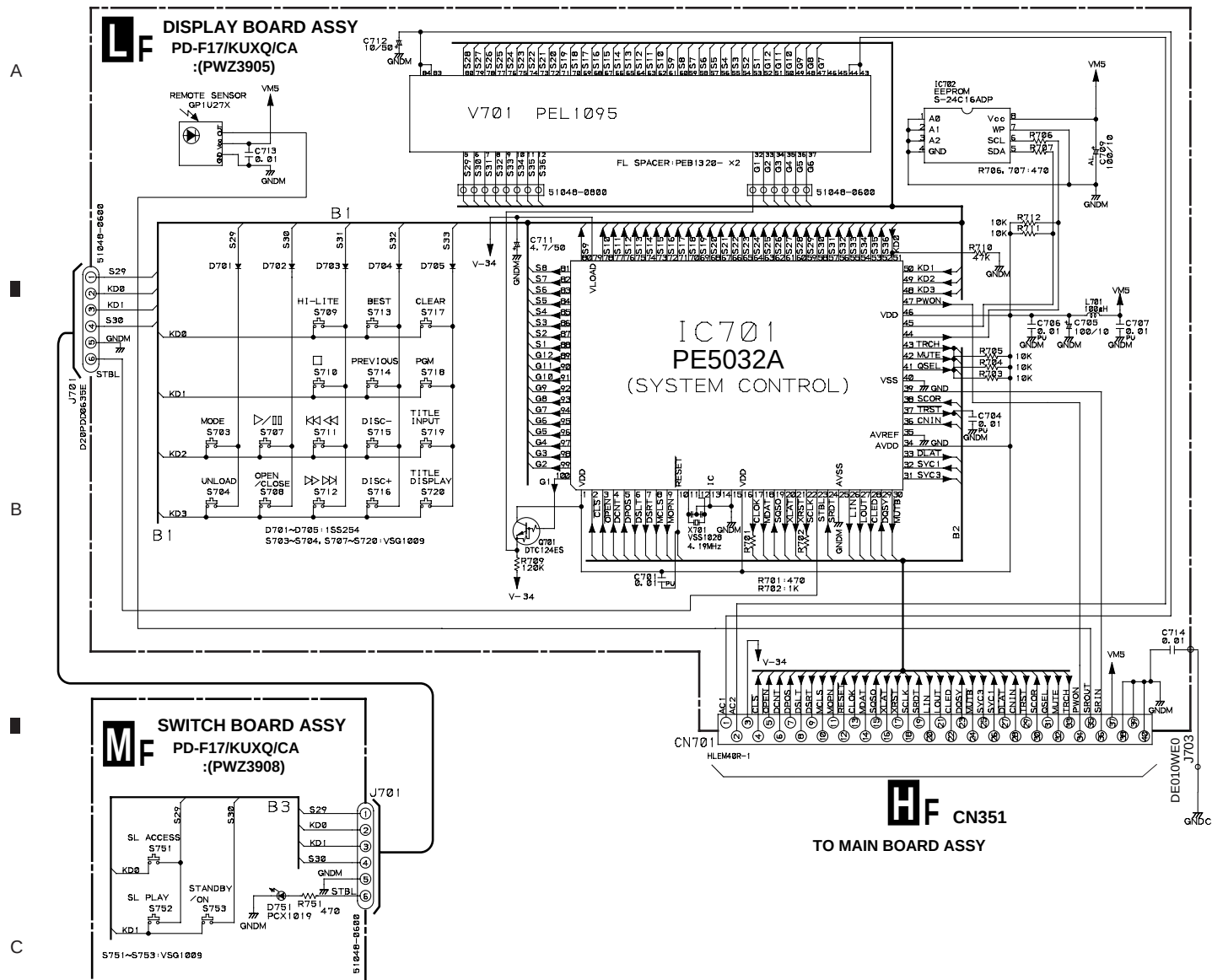
JA951	OPTICAL LINK OUT	GP1F32T
JA952	1P JACK	RKB1012
	3P Cable Holder	51048-0300
J951	2mm JUMPER WIRE	D20PDY0350G





Note:
The numbers marked with a circle show the number of each measuring point, which correspond to the number in the service manual PD-F958 (ORDER NO. RRV2085) on page 12.

2.2 DISPLAY BOARD ASSY, POWER BOARD ASSY and SWITCH BOARD ASSY



3. PCB CONNECTION DIAGRAM

3.1 HEAD PHONE BOARD ASSY and COAXIAL OUTPUT BOARD ASSY

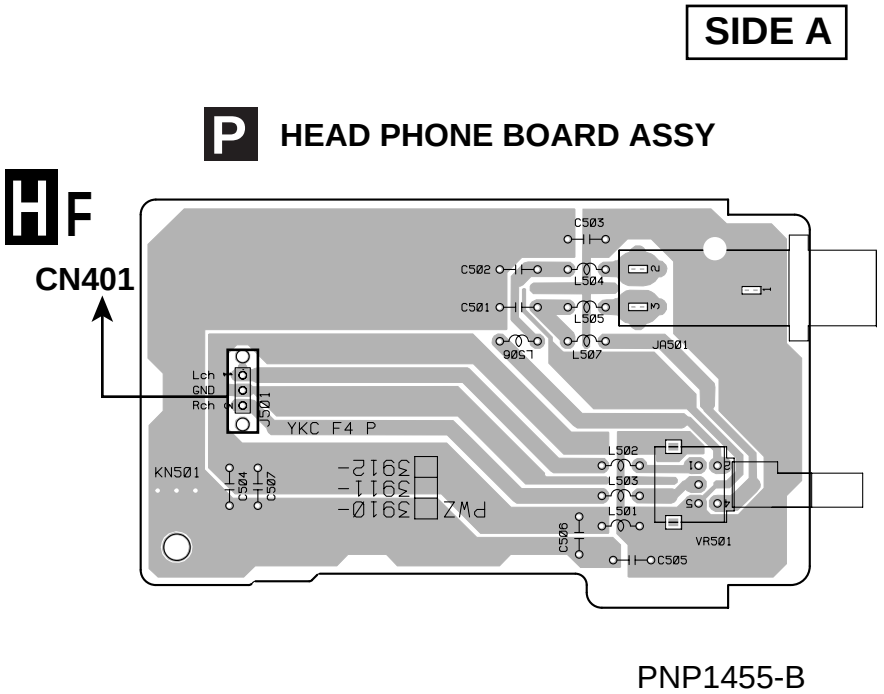
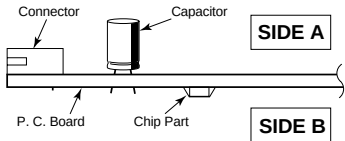
NOTE FOR PCB DIAGRAMS:

- 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 destination.
- For further information for respective destinations, be sure to check with the schematic diagram.

4. Viewpoint of PCB diagrams



COAXIAL OUTPUT BOARD ASSY

