

Pioneer

Service Manual

ORDER NO.
RRV2040

STEREO CASSETTE DECK

CT-S450S

● Refer to the service manual RRV1497 for CT-S450S/HYXJ.

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

Type	Model	Power Requirement	Remarks
	CT-S450S		
HYXJ7	○	AC220-230V	
HYXJ/GR7	○	AC220-230V	

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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 $\triangle$ 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.
 - 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 $\begin{bmatrix} 5 & 6 & 1 \end{bmatrix} J$
 47k $\Omega \rightarrow 47 \times 10^3 \rightarrow 473$ RD1/4PU $\begin{bmatrix} 4 & 7 & 3 \end{bmatrix} J$
 0.5 $\Omega \rightarrow R50$ RN2H $\begin{bmatrix} R & 5 & 0 \end{bmatrix} K$
 1 $\Omega \rightarrow 1R0$ RS1P $\begin{bmatrix} 1 & R & 0 \end{bmatrix} K$
- 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 $\begin{bmatrix} 5 & 6 & 2 & 1 \end{bmatrix} F$
- Reference Nos. indicate the pages and Nos. in the service manual for the base model.

■ CONTRAST TABLE

CT-S450S/HYXJ7, HYXJ/GR7 and CT-S450S/HYXJ are constructed the same except for the following:

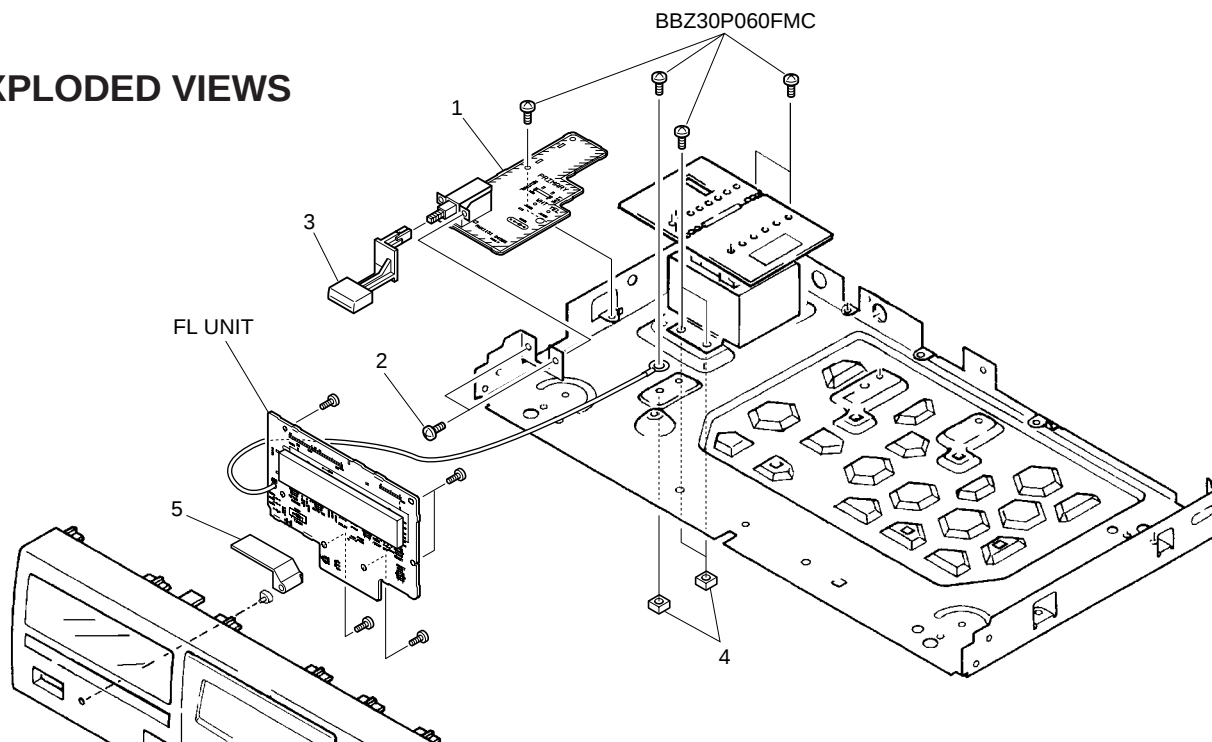
Ref. No.	Mark	Symbol and Description	Part No.			Remarks
			CT-S450S HYXJ	CT-S450S HYXJ7	CT-S450S HYXJ/GR7	
P2-1 P2-2 P2-3 P2-6 P2-4	NSP	MOTHER UNIT ├─ MAIN UNIT ├─ DOLBY S UNIT ├─ OPSW UNIT ├─ FL UNIT └─ TR 1 UNIT	RWM1895 RWZ3845 RWX1109 RWZ3846 RWZ3847 RWZ3848	RWM2052 RWZ4314 RWX1109 RWZ4316 RWZ4315 RWZ4317	RWM2052 RWZ4314 RWX1109 RWZ4316 RWZ4315 RWZ4317	*1
P2-5	NSP	TR 2 UNIT POWER SW UNIT	RNZ3037 Not used	RNZ3312 RWX1151	RNZ3312 RWX1151	*2 No. 1, *3
P2-10 P2-16 P2-25 P2-28 P2-34	$\triangle$ NSP	Power Cord with HE Plug Main Chassis Power Knob Name Plate Front Panel	PDG1043 RNB1100 RAC1809 RAM1007 RAH2717	PDG1058 RNB1140 Not used PAM1791 RAH2871	PDG1058 RNB1140 Not used PAM1791 RAH2871	
P2-35 P2-50 P2-58		Rear Panel Screw Operating Instructions (English/German) Operating Instructions (French/Italian/Dutch/Swedish/ Spanish/Portuguese)	RNA2035 BBZ30P080FMC RRE1135 RRD1183	RNA2213 BBZ30P080FZK RRE1167 RRD1203	RNA2213 BBZ30P080FZK RRE1167 Not used	
P2-61 P2-66	NSP	Packing Case Acetate Tape Warranty Card Screw Power Button Disc Guard LED Holder	RHG1813 REH1028 ARY7009 Not used Not used Not used Not used	RHG1879 Not used ARY7022 PMA30P060FMC RAC1775 REC1305 RNK2321	RHG1879 Not used ARY7022 PMA30P060FMC RAC1775 REC1305 RNK2321	for packing *2 No. 2 *2 No. 3 *2 No. 4 *2 No. 5

*1: Although RWZ4316 and RWZ3846 are different in part number, they have same service parts.

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

*3: Refer to "PCB PARTS LIST", "2. SCHEMATIC DIAGRAM" and "3. PCB CONNECTION DIAGRAM".

EXPLODED VIEWS



CONTRAST OF PCB ASSEMBLIES

MAIN UNIT

RWZ4314 and RWZ3845 are constructed the same except for the following:

Mark	Symbol and Description	Part No.		Remarks
		RWZ3845	RWZ4314	
NSP	IC223 IC501 IC1701 Q1159, Q1161 D431	XRA10393F-TFB PD4508A TC4050BP FMG1 1SS252	BA10393F-FTB PE5049A MC14050BCP FMG1A 1SS254	
	C103, C104, C210, C214-C216, C261, C262, C721, C722	CEAS101M10	CEAT101M10	
	C111, C112, C201, C202, C408, C617, C707, C708, C1016	CEAS100M50	CEAT100M50	
	C131, C132, C209, C259, C260, C361, C362, C402, C403, C409, C513, C520, C1603, C1604	CEAS470M16	CEAT470M16	
	C205, C206, C211, C219, C355, C356, C917, C918	CEAS4R7M50	CEAT4R7M50	
	C213, C321, C322, C358, C555 C401 C614	CEAS1R0M50 CQPA822J2A CEASR10M50	CEAT1R0M50 CQMA822J50 CEATR10M50	
	C1001, C1004 C1009, C1012 C1010 C1018	CEAS101M50 CEAS331M10 CEAS102M10 CEAS220M16	CEAT101M50 CEAT331M10 CEAT102M10 CEAT220M25	
	VR101, VR102 VR321, VR322, VR551-VR553, VR601, VR602 VR852	RCP1020 RCP1046 RCP1044	VCP1154 VCP1158 VCP1151	
	J3001 J3001	XDF-536 Not used	Not used DB015NT0	

FL UNIT

RWZ4315 and RWZ3847 are constructed the same except for the following:

Mark	Symbol and Description	Part No.		Remarks
		RWZ3847	RWZ4315	
	D1520 S1505 (POWER SW)	SLR-342UCT31 RSG1030	SLR-342VCT31 Not used	

TR1 UNIT

RWZ4317 and RWZ3848 are constructed the same except for the following:

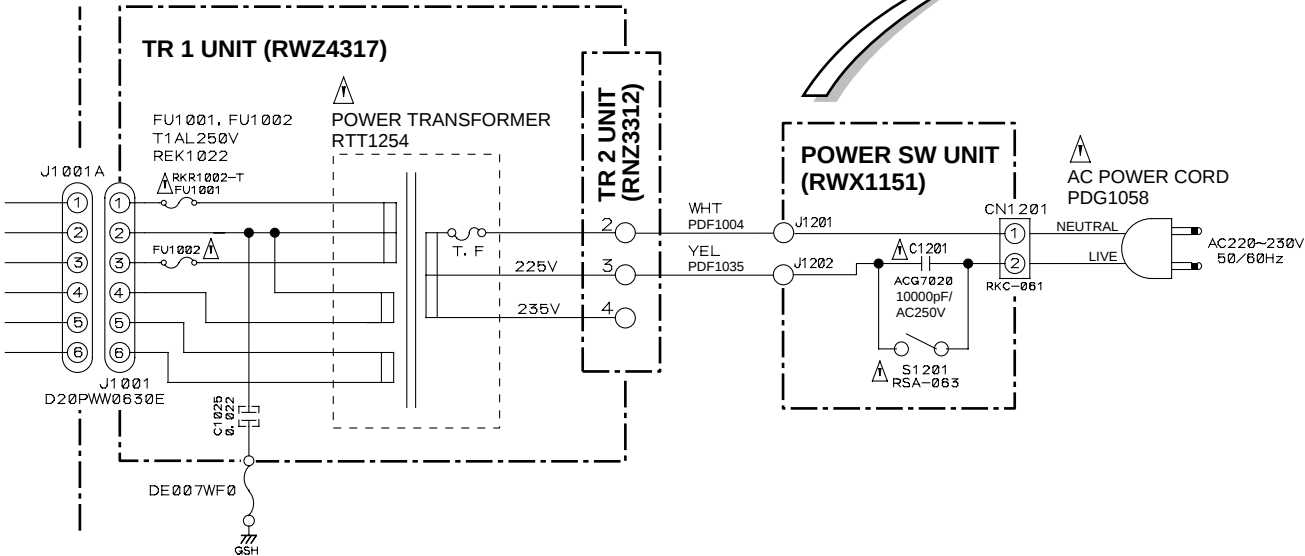
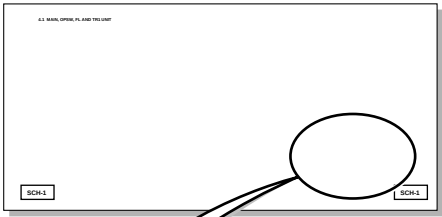
Mark	Symbol and Description	Part No.		Remarks
		RWZ3848	RWZ4317	
⚠	C1031 (10000 pF/AC250V) Earth Lead Unit Capacitor Cover	ACG7020 XDF-510 REC-150	Not used DE007WF0 Not used	

PCB PARTS LIST

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
POWER SW UNIT				OTHERS			
SWITCHES AND RELAYS				1201	TERMINAL PCB BINDER	RKC-061 VEF1040	
⚠	S1201		RSA-063				
CAPACITOR							
⚠	C1201 (10000 pF/AC250V)		ACG7020				

2. SCHEMATIC DIAGRAM

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

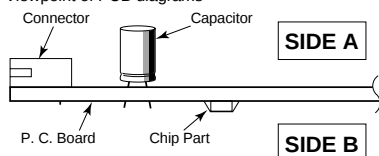


3. PCB CONNECTION DIAGRAM

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.
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.

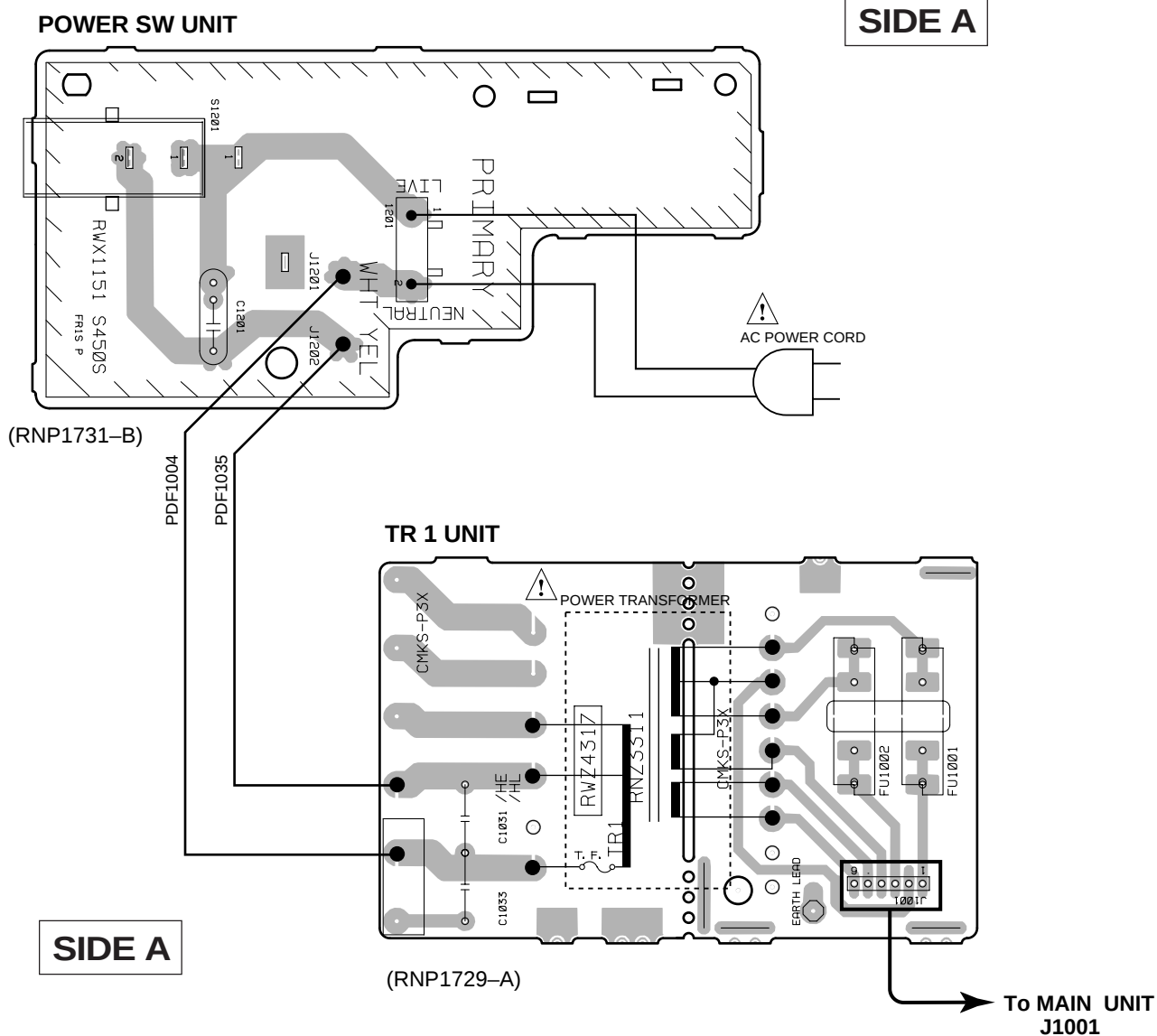
- #### 4. Viewpoint of PCB diagrams

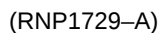


Symbol in PCB Diagrams	Symbol in Schematic Diagrams	Part Name
		Transistor
		Transistor with resistor
		Field effect transistor

Symbol in PCB Diagrams	Symbol in Schematic Diagrams	Part Name
		Resistor array
		3-terminal regulator

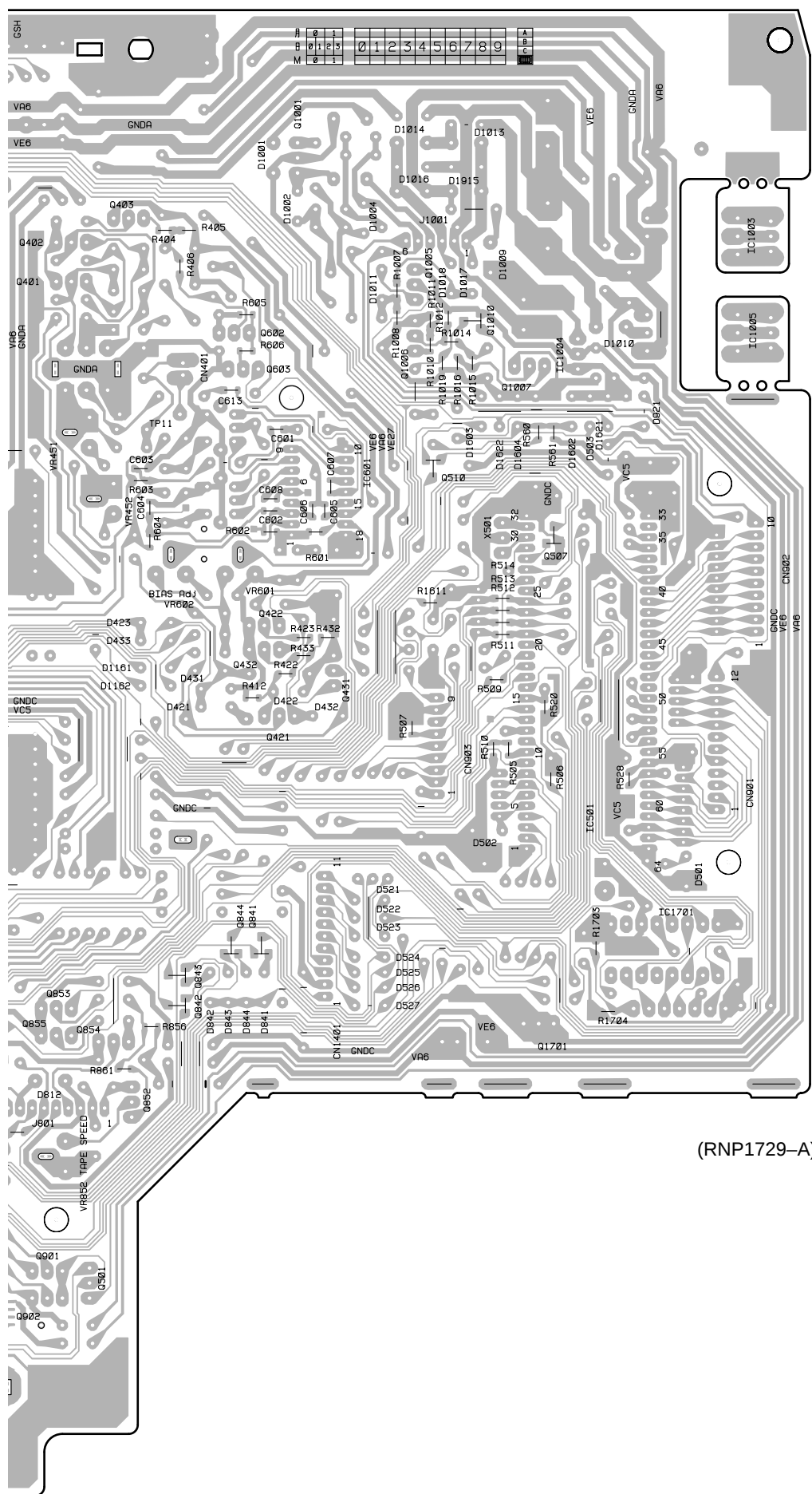
3.1 POWER SW UNIT and TR 1 UNIT





1





SIDE B

Q1010

Q841
Q844
Q843
Q842

(RNP1729-A)

A

B

C

D

