

Service Manual

Pioneer

ORDER NO.
RRV2458

AUDIO/VIDEO MULTI-CHANNEL RECEIVER

VSX-D850S

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

Type	Model	Power Requirement	Remarks
	VSX-D850S		
KUXJI/CA	○	AC120V	

● This service manual should be used together with the following manual(s):

Model No.	Order No.	Remarks
VSX-D810S/KUXJI	RRV2431	

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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.

● Screws adjacent to ∇ mark on product are used for disassembly.

● 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 $\rightarrow$ $56 \times 10^1 \rightarrow$ 561 RD1/4PU $\boxed{5}\boxed{6}\boxed{1}J$

47k $\rightarrow$ $47 \times 10^3 \rightarrow$ 473 RD1/4PU $\boxed{4}\boxed{7}\boxed{3}J$

0.5 $\rightarrow$ R50 RN2H $\boxed{R}\boxed{5}\boxed{0}K$

1 $\rightarrow$ 1R0 RS1P $\boxed{1}\boxed{R}\boxed{0}K$

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

5.62k $\rightarrow$ $562 \times 10^1 \rightarrow$ 5621 RN1/4PC $\boxed{5}\boxed{6}\boxed{2}\boxed{1}F$

■ CONTRAST TABLE

VSX-D850S/KUXJI/CA and VSX-D810S/KUXJI are constructed the same except for the following :

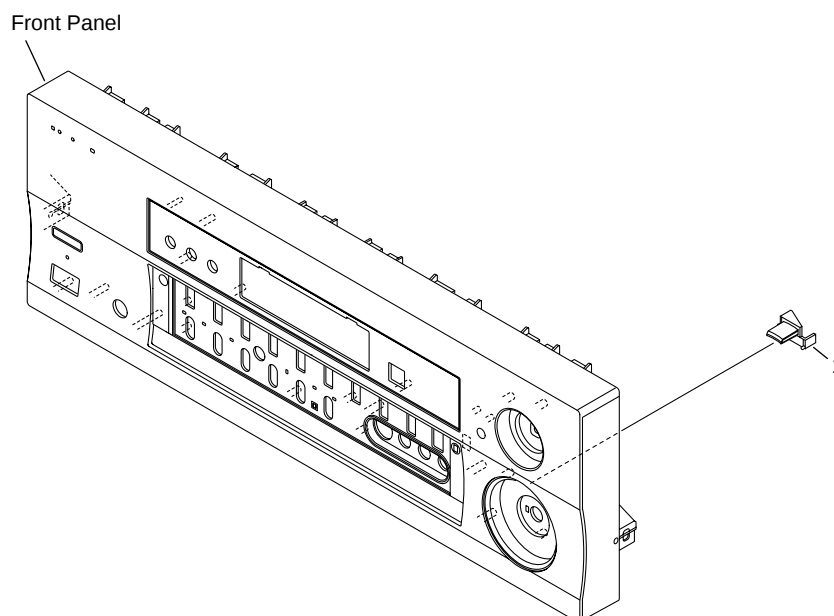
Ref. No.	Mark	Symbol and Description	Part No.		Remarks
			VSX-D810S /KUXJI	VSX-D850S /KUXJI/CA	
		PCB ASSEMBLIES			
P5- 1		D,D & INPUT ASSY	XWK3027	XWK3029	
P5-53		└ D,D UCOM ASSY	XWZ3397	XWZ3399	
		└ D,D DSP ASSY	XWZ3395	XWZ3396	
P5- 2	NSP	AMP&PS ASSY	XWK3023	XWK3026	
		└ AMP&PRIMARY ASSY	XWZ3380	XWZ3383	
P5- 6	NSP	COMPLEX ASSY	XWK3010	XWK3014	
P5- 7		└ VIDEO&6CH IN ASSY	XWZ3335	XWZ3400	
P5- 8		└ 6CH IN ASSY	XWZ3350	XWZ3351	
P5- 9		└ S. VISEO ASSY	XWZ3363	XWZ3364	
P6- 1		└ COMPONENT ASSY	XWZ3366	XWZ3367	
P6- 3		└ FRONT ASSY	XWZ3345	XWZ3349	
		└ R. ENCODER ASSY	XWZ3354	XWZ3355	
P3- 4	NSP	PACKING SECTION			
P3- 4	NSP	Dry Cell Battery (R6P, AA)	VEM-013	Not used	
P3- 6		Alkaline Dry Cell Battery (LR6, AA)	Not used	VEM1021	
P3- 7		Operating Instructions (French)	Not used	XRC3030	
P3-13		Remote Control Unit	XXD3028	XXD3031	
		Packing Case	XHD3147	XHD3148	
P5-37		EXTERIOR SECTION			
P5-37		Foot Assy	REC1263	Not used	
P5-39		Insulator	Not used	PNW2766	
		Rear Panel	XNC3077	XNC3078	
P6-18		FRONT PANEL SECTION			
P6-19		Display Panel	XAK3172	XAK3216	
P6-21		Button Cover	XAK3253	XAK3224	
		Front Panel	XMB3033	XMB3034	
		B Lens R4	Not used	XAK3181	No. 1

Notes : ● The numbers in the remarks column correspond to the numbers on the "EXPLODED VIEWS".

● For PCB ASSEMBLIES, Refer to "CONTRAST OF PCB ASSEMBLIES" and "2. SCHEMATIC DIAGRAM".

■ EXPLODED VIEWS

● FRONT PANEL SECTION



■ CONTRAST OF PCB ASSEMBLIES

AF D.D UCOM ASSY

XWZ3399 and XWZ3397 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		XWZ3397	XWZ3399	
	R153, R154, R159, R160 R165, R208 R189, R190, R197, R198 JA101-JA104 (4P PIN JACK)	RS1/16S102J RS1/16S182J RS1/16S242J AKB7048	RS1/16S911J RS1/16S162J RS1/16S222J AKB7108	

BF D.D DSP ASSY

XWZ3396 and XWZ3395 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		XWZ3395	XWZ3396	
	C9165 R9156 R9171 JA9151 (1P PIN JACK) JA9154 (OPTICAL LINK IN)	Not used RS1/16S0R0J Not used VKB1077 Not used	CKSRYF104Z25 RS1/16S104J RS1/16S101J VKB1074 GP1FA551RZ	

CF AMP&PRIMARY ASSY

XWZ3383 and XWZ3380 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		XWZ3380	XWZ3383	
	C701, C702 (4700μF/71V) C701, C702 (5600μF/71V)	ACH7137 Not used	Not used XCH3005	

M F COMPONENT ASSY

XWZ3367 and XWZ3366 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		XWZ3366	XWZ3367	
	1575 (6P PINJACK) JA551 (6P RCA PINJACK) JA553 (3P RCA PINJACK)	AKB7089 AKB7128 AKB7124	AKB7088 AKB7127 XKB3015	

N F FRONT ASSY

XWZ3349 and XWZ3345 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		XWZ3345	XWZ3349	
	R428 R429	Not used RS1/16S0R0J	RS1/16S472J RS1/16S622J	

O F R.ENCODER ASSY

XWZ3355 and XWZ3354 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		XWZ3354	XWZ3355	
	D511 D512 R512 512 (LED HOLDER)	Not used Not used Not used Not used	UDZS5.6B E1L4E-7B1A(2345) RS1/16S391J XAK3154	

Q F VIDEO&6CH IN ASSY

XWZ3400 and XWZ3335 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		XWZ3335	XWZ3400	
	CN305 (6P PINJACK)	AKB7123	XKB3014	

S F 6CH IN ASSY

XWZ3351 and XWZ3350 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		XWZ3350	XWZ3351	
	308 (6P PINJACK)	AKB7089	AKB7088	

T F S.VIDEO ASSY

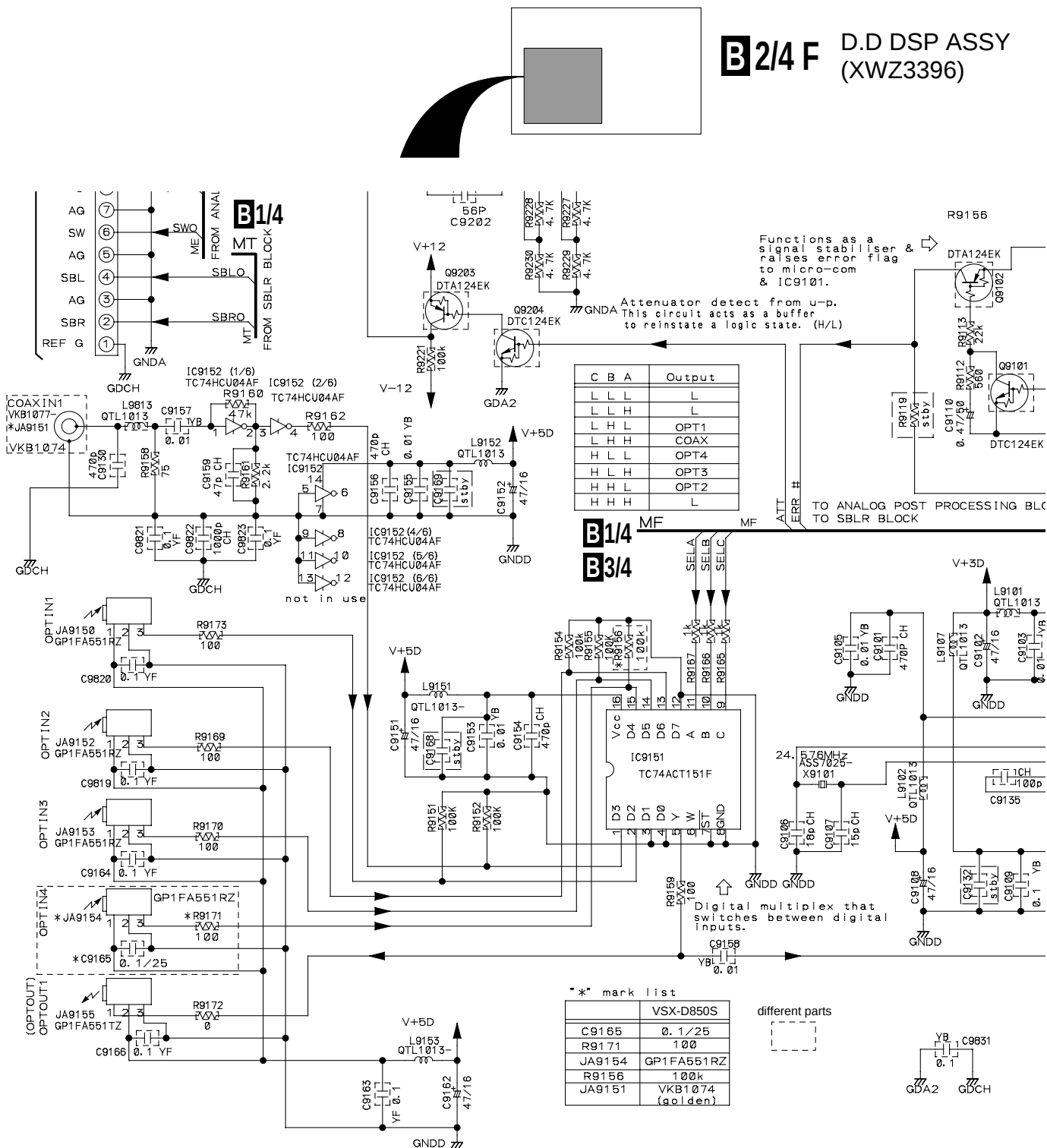
XWZ3364 and XWZ3363 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		XWZ3363	XWZ3364	
	CN352/JA352 (3-4P MINI DIN SOCKET) CN353 (2-4P MINI DIN SOCKET)	XKP3045 XKP3044	AKP7049 AKP7023	

2. SCHEMATIC DIAGRAM

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

2.1 D.D DSP ASSY (2/4)



2.2 FRONT and R. ENCODER ASSYS

NF FRONT ASSY
(XWZ3349)

