

Pioneer

Service Manual

ORDER NO.
RRV2154

AUDIO/VIDEO MULTI-CHANNEL RECEIVER

VSX-D638-G

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

Type	Model	Power Requirement	The voltage can be converted by the following method.
	VSX-D638-G		
HLXJI	○	AC220-230V	AC240V, *
LBXJI	○	AC110V	_____
YPWXJI	○	AC240V	_____

* : Alter the wiring of the Power-supply block at the primary winding of Power-transformer referring to the "Line Voltage Selection" described in Service Manual.

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

Model	Order No.	Remarks
VSX-808RDS/HYXJI	RRV2115	

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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 \blacktriangledown 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 → 56 x 10¹ → 561 RD1/4PU561J

47k → 47 x 10³ → 473 RD1/4PU473J

0.5 → R50 RN2H[R]50K

1 → 1R0 RS1P[R]1R0K

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

5.62k → 562 x 10¹ → 5621 RN1/4PC5621F

■ CONTRAST TABLE

VSX-D638-G/HLXJI, LBXJI, YPWXJI and VSX-808RDS/HYXJI are constructed the same except for the following :

Ref. No.	Mark	Symbol and Description	Part No.				Remarks
			VSX-808RDS /HYXJI	VSX-D638-G /HLXJI	VSX-D638-G /LBXJI	VSX-D638-G /YPWXJI	
ASSEMBLIES							
P5- 1		INPUT ASSY	AWK7474	AWK7475	AWK7475	AWK7475	
P5- 2		└ INPUT ASSY	AWX7210	AWX7365	AWX7365	AWX7365	
		└ FRONT ASSY	AWX7217	AWX7218	AWX7218	AWX7218	
AMP ASSY							
P5- 5		└ AMP ASSY	AWK7482	AWK7482	AWK7507	AWK7506	
P5- 7		└ TRANS 1 ASSY	AWX7226	AWX7226	AWX7370	AWX7226	
PACKING SECTION							
P3- 3		Operating Instructions (English)	ARB7158	ARB7160	ARB7160	ARB7160	
P3- 5		FM Antenna	ADH7005	ADH7005	ADH7004	ADH7005	
P3- 7	NSP	Warranty Card	ARY7022	Not used	Not used	ARY7027	
P3- 8		Remote Control Unit (CU-VSX140)	AXD7181	Not used	Not used	Not used	
P3- 8		Remote Control Unit (CU-VSX138)	Not used	AXD7178	AXD7178	AXD7178	
P3-13		Packing Case	AHD7695	AHD7696	AHD7697	AHD7697	
P3-14		Operating Instructions (German)	ARC7203	Not used	Not used	Not used	
P3-15		Operating Instructions (French/Italian)	ARC7204	Not used	Not used	Not used	
P3-16		Operating Instructions (Swedish/Dutch)	ARC7205	Not used	Not used	Not used	
P3-17		Operating Instructions (Portuguese/Spanish)	ARC7206	Not used	Not used	Not used	
		Operating Instructions (Chinese)	Not used	ARC7256	ARC7256	Not used	
EXTERIOR SECTION							
P5-18	Δ	Power Transformer (T1) (AC220-230V/240V)	ATS7242	Not used	Not used	ATS7242	
P5-18	Δ	Power Transformer (T1) (AC220-230V)	Not used	ATS7243	Not used	Not used	
P5-18	Δ	Power Transformer (T1) (AC110V)	Not used	Not used	ATS7244	Not used	
P5-19	Δ	Fuse (FU1 : T2.5A)	REK-104	REK-104	Not used	REK-104	
P5-19	Δ	Fuse (FU1 : T5A)	Not used	Not used	AEK1061	Not used	
P5-26	Δ	AC Power Cord	VDG1061	VDG1061	VDG1058	VDG1065	
P5-29		Tuner Holder	AAD7490	AAD7492	AAD7492	AAD7492	

Ref. No.	Mark	Symbol and Description	Part No.				Remarks
			VSX-808RDS /HYXJI	VSX-D638-G /HLXJI	VSX-D638-G /LBXJI	VSX-D638-G /YPWXJI	
P5-31		Rear Panel	ANC7723	ANC7765	ANC7768	ANC7766	
P5-32		Bonnet Case	AZN7771	AZN7823	AZN7823	AZN7823	
P5-41		Volume Knob	AAB7179	AAB7180	AAB7180	AAB7180	
P5-43		Function Button	AAD7500	AAD7487	AAD7487	AAD7487	
P5-44		Power Button	AAD7440	AAD7485	AAD7485	AAD7485	
P5-45		Power Button M	AAD7442	AAD7491	AAD7491	AAD7491	
P5-46		Display Window	AAK7612	AAK7649	AAK7649	AAK7649	
P5-47		Front Panel	AMB7561	AMB7580	AMB7580	AMB7580	
P5-49		Name Plate	PAM1776	PAM1779	PAM1779	PAM1779	
P5-52		Screw	ABA7017	Not used	Not used	Not used	
P5-55		Screw	RBA1099	ABA7044	ABA7044	ABA7044	
P5-57		Screw (×3, For Front Panel)	BBZ30P080FZK	BBZ30P080FCC	BBZ30P080FCC	BBZ30P080FCC	
P5-57		Screw (×5, For Bonnet Case)	BBZ30P080FZK	BBZ30P080FCC	BBZ30P080FCC	BBZ30P080FCC	
P5-60		Screw	FBT40P080FZK	FBT40P080FNI	FBT40P080FNI	FBT40P080FNI	
P5-67		FM/AM TUNER Unit	AXX7048	AXX7048	AXX7047	AXX7048	
P5-72		Screw	BBT30P100FCC	ABA1007	ABA1007	ABA1007	
P5-74		Push Rivet	AEC7025	AEC7205	AEC7205	AEC7205	
P5-75		Top Cover	AME7375	AME7376	AME7376	AME7376	
P5-76	NSP	Shrink Shield 140	PDM1021	Not used	Not used	Not used	
P5-77		Cord Clamper	RNH-184	Not used	Not used	Not used	

Notes : ● For ASSEMBLIES, refer to “CONTRAST OF PCB ASSEMBLIES” and “2. SCHEMATIC DIAGRAM”.

■ CONTRAST OF REMOTE CONTROL UNIT

AXD7178 and AXD7181 are constructed the same except for the following :

Ref. No.	Mark	Symbol and Description	Part No.		Remarks
			AXD7181 (CU-VSX140)	AXD7178 (CU-VSX138)	
P53- 2		Name Plate	AZA7317	AZA7304	
P53-12		Main Key (FF)	AZN7751	AZN7666	
P53-14		Main Key (REV)	AZN7752	AZN7665	

■ CONTRAST OF PCB ASSEMBLIES

DF AMP ASSY

AWX7370 and AWX7226 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		AWX7226	AWX7370	
	C413, C414, C463, C464	CEAT100M50	CEAT1R0M50	
	C711, C712	CQMA103K2E	ACG1005 (0.01μF/AC250V)	
△	L701	ATF-151	ATF7018	
△	T701	ATT7037	ATT1193	

KF TRANS 1 ASSY

AWX7369 and AWX7287 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		AWX7287	AWX7369	
	J52 LEAD WIRE UNIT	DB135NB0	Not used	
	J53 LEAD WIRE UNIT (For J52)	Not used	DB135NB0	

AF INPUT ASSY

AWX7365 and AWX7210 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		AWX7210	AWX7365	
	Q105	Not used	KRA101M	
	Q106	Not used	KRC103M	
	Q107	2SC1740S	Not used	
	C144	ACH7112 (3300μF/35V)	CEAT332M35	
	C145	ACH7113 (2200μF/35V)	CEAT222M35	
	C146	ACH7111 (3300μF/16V)	CEAT332M16	
	C152	CKSQYB103K50	Not used	
	C304, C326, C327, C348, C349	CEBA1R0M50	CEAT1R0M50	
	C306, C328, C329, C1300, C1301	CECA100M50	CEAT100M50	
	C308, C330, C331, C1302, C1303	CECA1R0M50	CEAT1R0M50	
	C320, C342, C343, C1314, C1315	ACH7110 (47μF/25V)	CEAT470M25	
	R137	RS1/10S101J	Not used	
	R138	RS1/10S221J	Not used	
	R139	RS1/10S472J	Not used	

BF FRONT ASSY

AWX7218 and AWX7217 are constructed the same except for the following :

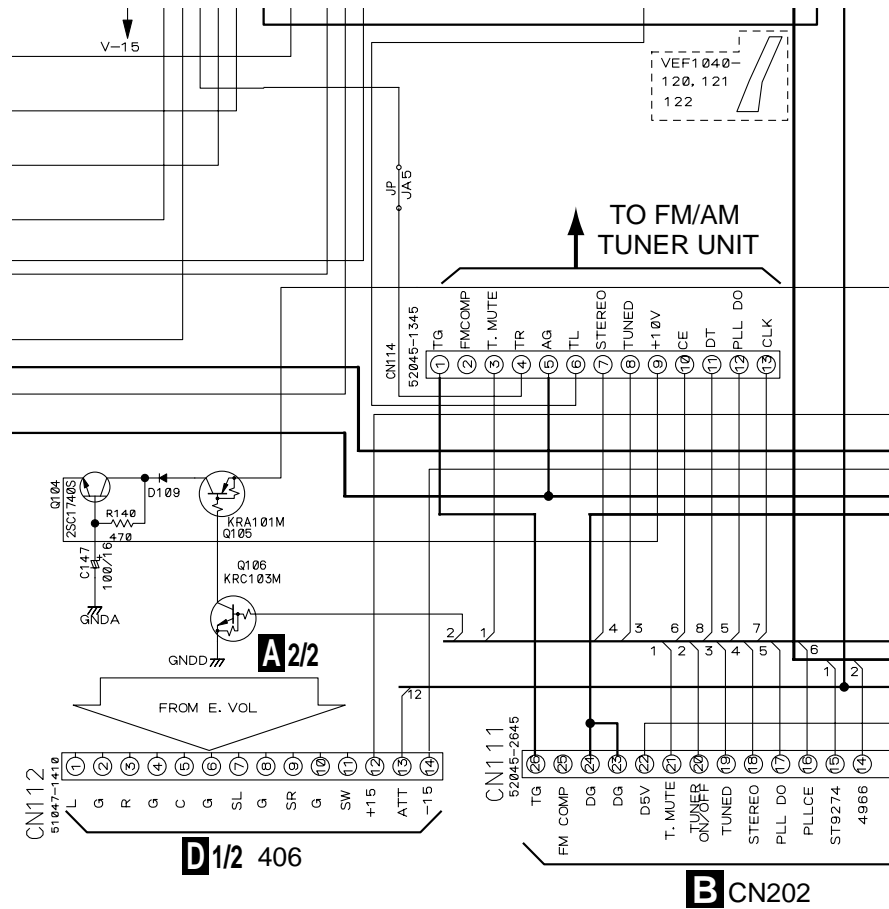
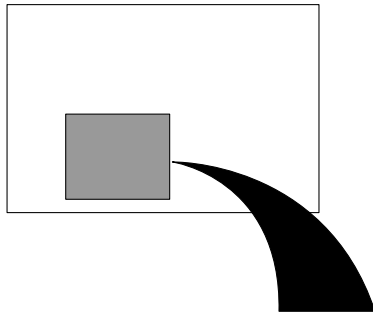
Mark	Symbol and Description	Part No.		Remarks
		AWX7217	AWX7218	
	IC281	BU1923	Not used	
	Q281	KRC101M	Not used	
	Q282	2SA1515	Not used	
	Q283	2SC1740S	Not used	
	D222	Not used	1SS355	
	L281	LFA2R2J	Not used	
	C281, C282	CCSQCH270J50	Not used	
	C283, C287	CEAT101M10	Not used	
	C284, C285	CKSQYB102K50	Not used	
	C286	CKSQYB561K50	Not used	
	C288	CEAT2R2M50	Not used	
	C289	CKSQYB472K50	Not used	
	C290	CEAT1R0M50	Not used	
	R231-R233	Not used	RS1/10S0R0J	
	R284	RS1/10S333J	Not used	
	R285	RS1/10S104J	Not used	
	R286	RS1/10S473J	Not used	
	R287	RS1/10S222J	Not used	
	R288-R290	RS1/10S102J	Not used	
	S232, S236	ASG1034	Not used	
	X281 CRYSTAL RESONATOR (4.332MHz)	ASS7004	Not used	

2. SCHEMATIC DIAGRAM

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

2.1 INPUT ASSY

A 1/2 F INPUT ASSY(1/2) (AWX7365)



2.2 FRONT ASSY

BF FRONT ASSY (AWX7218)

