

Pioneer

Service Manual

ORDER NO.
RRV4071

AUDIO/VIDEO MULTI-CHANNEL RECEIVER

VSX-1325-K

VSX-1125-K

VSX-1120-K

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

Model	Type	Power Requirement	Remarks
VSX-1325-K	CUXJ	AC 120 V	
VSX-1125-K	CUXJ	AC 120 V	
VSX-1120-K	UXJCB	AC 120 V	

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

Model No.	Order No.	Remarks
VSX-LX53/SYXJ5	RRV4133	

For SPECIFICATIONS and PANEL FACILITIES, refer to the operating instructions.

SAFETY INFORMATION



This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.

Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

WARNING

This product may contain a chemical known to the State of California to cause cancer, or birth defects or other reproductive harm.

Health & Safety Code Section 25249.6 - Proposition 65

NOTICE

(FOR CANADIAN MODEL ONLY)

Fuse symbols (fast operating fuse) and/or (slow operating fuse) on PCB indicate that replacement parts must be of identical designation.

REMARQUE

(POUR MODÈLE CANADIEN SEULEMENT)

Les symboles de fusible (fusible de type rapide) et/ou (fusible de type lent) sur CCI indiquent que les pièces de remplacement doivent avoir la même désignation.

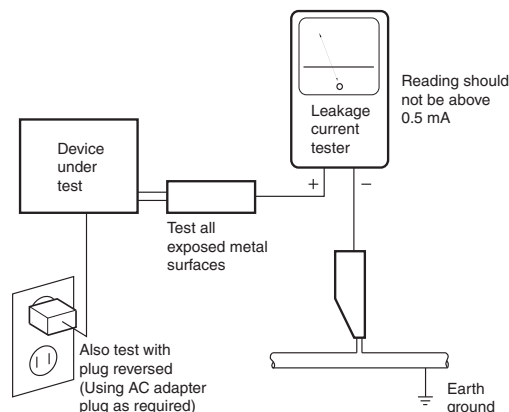
(FOR USA MODEL ONLY)

1. SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

LEAKAGE CURRENT CHECK

Measure leakage current to a known earth ground (water pipe, conduit, etc.) by connecting a leakage current tester such as Simpson Model 229-2 or equivalent between the earth ground and all exposed metal parts of the appliance (input/output terminals, screwheads, metal overlays, control shaft, etc.). Plug the AC line cord of the appliance directly into a 120V AC 60 Hz outlet and turn the AC power switch on. Any current measured must not exceed 0.5 mA.



AC Leakage Test

ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

2. PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in the appliance have special safety related characteristics. These are often not evident from visual inspection nor the protection afforded by them necessarily can be obtained by using replacement components rated for voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this Service Manual.

Electrical components having such features are identified by marking with a Δ on the schematics and on the parts list in this Service Manual. The use of a substitute replacement component which does not have the same safety characteristics as the PIONEER recommended replacement one, shown in the parts list in this Service Manual, may create shock, fire, or other hazards.

Product Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current PIONEER Service Manual. A subscription to, or additional copies of, PIONEER Service Manual may be obtained at a nominal charge from PIONEER.

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.

● For the applying amount of lubricants or glue, follow the instructions in this manual.

(In the case of no amount instructions, apply as you think it appropriate.)

● 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 x 10¹ $\rightarrow$ 561 RD1/4PU $\boxed{5} \boxed{6} \boxed{1} \text{J}$

47k Ω $\rightarrow$ 47 x 10³ $\rightarrow$ 473 RD1/4PU $\boxed{4} \boxed{7} \boxed{3} \text{J}$

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

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

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

5.62k Ω $\rightarrow$ 562 x 10¹ $\rightarrow$ 5621 RN1/4PC $\boxed{5} \boxed{6} \boxed{2} \boxed{1} \text{F}$

CONTRAST TABLE

VSX-LX53/SYXJ5, VSX-1325-K/CUXJ, VSX-1125-K/CUXJ and VSX-1120-K/UXJCB are constructed the same except for the following:

Mark	No.	Symbol and Description	VSX-LX53/ SYXJ5	VSX-1325-K/ CUXJ	VSX-1125-K/ CUXJ	VSX-1120-K/ UXJCB	Remarks
NSP	P81-5	PCB ASSEMBLIES					
		1..AMP ASSY	AWM8192	AWM8186	AWM8228	AWM8228	
NSP	P81-12	2..POWER AMP ASSY	AWX9660	AWX9573	AWX9724	AWX9724	
		1..LOCAL POWER ASSY	AWM8195	AWM8187	AWM8195	AWM8195	
NSP	P85-5	2..XM REGULATOR ASSY	AWX9667	AWX9582	AWX9667	AWX9667	
		1..COMPLEX ASSY	AWM8197	AWM8218	AWM8229	AWM8203	
NSP	P83-2	2..DISPLAY ASSY	AWX9669	AWX9723	AWX9725	AWX9675	
		2..PRIMARY ASSY	AWX9676	AWX9591	AWX9591	AWX9591	
NSP	P83-3	1..AUDIO COMPOSITE ASSY	AWR7087	AWR7084	AWR7089	AWR7089	
		2..COMPOSITE ASSY	AWX9568	AWX9568	AWX9651	AWX9651	
NSP	P83-7	2..AUDIO ASSY	AWX9644	AWX9567	AWX9646	AWX9646	
		1..DAC LOW ASSY	AWX9657	AWX9566	AWX9566	AWX9566	
NSP	P83-10	1..DIGITAL MAIN ASSY	AWX9719	AWX9718	AWX9626	AWX9626	
		1..BLUETOOTH AD ASSY	AXF7022	Not used	Not used	Not used	
NSP	P79-7	2..BLUETOOTH ASSY	AWM8111	Not used	Not used	Not used	
		PACKING SECTION					
NSP	P79-1	Bluetooth AD ASSY	AXF7022	Not used	Not used	Not used	
NSP	P79-2	Top Case BTA	AAK8468	Not used	Not used	Not used	
NSP	P79-3	Bottom Case BTA	AAK8469	Not used	Not used	Not used	
NSP	P79-4	BT Label (6L)	AAL7444	Not used	Not used	Not used	
NSP	P79-5	Nonwoven Sheet BTA	AHG7142	Not used	Not used	Not used	
		Polyethylene Bag 55 x 80	AHG7153	Not used	Not used	Not used	
NSP	P79-8	Power Cord	XDG3061	ADG7111	ADG7111	ADG7111	
		Packing Case	AHD8672	AHD8670	AHD8671	AHD8693	
NSP	P79-14	Quick Start Guide (En, Fr, Gr)	ARH7098	Not used	Not used	Not used	
		Quick Start Guide (It, Sp)	ARH7099	Not used	Not used	Not used	
NSP	P79-18	Quick Start Guide (Du, Ru)	ARH7100	Not used	Not used	Not used	
		Operating Instructions (CD-ROM)	ARU7002	Not used	Not used	Not used	
NSP	P79-20	Warranty Card EU	ARY7128	Not used	Not used	Not used	
		Remote Control Unit	AXD7592	AXD7591	AXD7591	AXD7591	
NSP	P79-22	Operating Instructions (En)	Not used	Not used	Not used	ARB7451	
		Operating Instructions (En)	Not used	ARB7440	ARB7440	Not used	
NSP	P79-22	Operating Instructions (Frca)	Not used	ARC7971	ARC7971	Not used	

Mark	No.	Symbol and Description	VSX-LX53/ SYXJ5	VSX-1325-K/ CUXJ	VSX-1125-K/ CUXJ	VSX-1120-K/ UXJCB	Remarks
A		EXTERIOR SECTION					
	⚠ P81-16	Power Transformer	ATS7435	ATS7434	ATS7434	ATS7434	
	⚠ P81-17	Fuse (FU6 : T800 mA)	AEK7072	Not used	Not used	Not used	
	⚠ P81-17	Fuse (FU6 : 1.25 A)	Not used	REK1143	REK1143	REK1143	
	⚠ P81-18	Fuse (FU7 : T800 mA)	AEK7072	Not used	Not used	Not used	
	⚠ P81-18	Fuse (FU7 : 1.25 A)	Not used	REK1143	REK1143	REK1143	
	⚠ P81-19	Fuse (FU10 : T1.25 A)	AEK7074	Not used	Not used	Not used	
	⚠ P81-19	Fuse (FU10 : 1.6 A)	Not used	REK1144	REK1144	REK1144	
	⚠ P81-20	Fuse (FU8 : T1.6 A)	AEK7075	Not used	Not used	Not used	
	⚠ P81-20	Fuse (FU8 : 1.6 A)	Not used	REK1144	REK1144	REK1144	
B	⚠ P81-21	Fuse (FU9 : T1.6 A)	AEK7075	Not used	Not used	Not used	
	⚠ P81-21	Fuse (FU9 : 1.6 A)	Not used	REK1144	REK1144	REK1144	
	P81-37	Insulator ASSY	DXA1904	Not used	Not used	Not used	
	P81-37	Insulator	Not used	AMR7198	AMR7198	PNW2766	
NSP	P81-39	Screw 3 x 10 (FE)	ABA1193	ABA1193	BBZ30P080FCC	BBZ30P080FCC	
	⚠	Transistor Holder	Not used	ANG7543	Not used	Not used	*1
	⚠	Fuse (FU11 : 1.6 A)	Not used	REK1144	Not used	Not used	*2
		REAR SECTION					
C	⚠ P83-11	FM/AM TUNER Unit	AXX7265	AXX7267	AXX7267	AXX7267	
	⚠ P83-12	Fuse (FU1 : T5 A)	AEK1061	Not used	Not used	Not used	
	⚠ P83-12	Fuse (FU1 : 10 A)	Not used	REK1154	REK1154	REK1154	
	⚠ P83-13	Fuse (FU4 : 4 A)	REK1104	Not used	Not used	Not used	
	⚠ P83-13	Fuse (FU4 : 2 A)	Not used	REK1139	REK1139	REK1139	
	P83-18	Rear Panel	ANC8586	ANC8584	ANC8585	ANC8594	
D	P83-25	Shield Case	AMR7557	Not used	Not used	Not used	
		FRONT SECTION					
	P85-13	IB Lens V5SEL	AAK8430	Not used	Not used	Not used	
	P85-14	Power Ring	AAK8471	AAK8476	AAK8476	AAK8476	
	P85-15	Input Cover	AAK8528	AAK8528	AAK8528	AAK8543	
	P85-18	Front Panel	ANB7544	ANB7543	AMB8023	AMB8028	
E	P85-19	Standby BTN ASSY	AXG7400	XXG3413	XXG3413	XXG3413	
	P85-20	P Base ASSY	AXG7403	AXG7415	AXG7427	AXG7431	
	P85-21	Center Lens V6S H	AAK8505	XAK3648	XAK3648	XAK3648	
	P85-22	Panel Base	AMB8010	AMB8004	AMB8004	AMB8004	
	P85-29	Pioneer Badge	VAM1158	VAM1158	VAM1158	YAM1005	

Notes : *1, *2 For XM REGULATOR ASSY.

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

CONTRAST OF PCB ASSEMBLIES

A F AUDIO ASSY

AWX9644, AWX9567 and AWX9646 are constructed the same except for the following:

Mark	Symbol and Description	AWX9644	AWX9567	AWX9646	Remarks
	IC3931	LC72725KM	Not used	Not used	
	Q2971	IMX25	IMX25	Not used	
	L3931 Chip Solid Inductor	QTL1013	Not used	Not used	
	X3931 Crystal Resonator	ASS7004	Not used	Not used	
	JA2952 2P Pin Jack	Not used	Not used	AKB7233	
	JA2951 Pin Jack(4P)	XKB3017	XKB3017	Not used	
	R3003, R3004	RS1/10SR101J	RS1/10SR121J	RS1/10SR121J	
	R3931, R3932	RS1/10SR220J	Not used	Not used	
	R2709, R2710	RS1/10SR331J	RS1/10SR562J	RS1/10SR562J	
	R3933	RS1/10SR473J	Not used	Not used	
	R2707, R2708	RS1/10SR562J	RS1/10SR331J	RS1/10SR331J	
	R3031	RS1/8SQ475J	Not used	Not used	
	R3032	RS1/8SQ562J	RS1/8SQ822J	RS1/8SQ822J	
	R2907, R2908	RS1/10SR0R0J	RS1/10SR0R0J	Not used	
	R2971-R2976	RS1/10SR102J	RS1/10SR102J	Not used	
	R2901, R2902	RS1/10SR104J	RS1/10SR104J	Not used	
	R2868	RS1/10SR222J	RS1/10SR222J	Not used	
	R2867	RS1/10SR562J	RS1/10SR562J	Not used	
	C2501-C2504, C2521-C2524	CCSRCH101J50	Not used	Not used	
	C2541-C2544, C2561, C2562	CCSRCH101J50	Not used	Not used	
	C2581-C2584, C2601-C2604	CCSRCH101J50	Not used	Not used	
	C2621, C2622, C2641-C2644	CCSRCH101J50	Not used	Not used	
	C3113, C3114, C3163, C3164	CCSRCH101J50	Not used	Not used	
	C3213, C3214, C3263, C3264	CCSRCH101J50	Not used	Not used	
	C3283, C3284, C3932	CCSRCH101J50	Not used	Not used	
	C2563-C2564, C2623, C2624	CCSRCH220J50	Not used	Not used	
	C3937, C3938	CCSRCH270J50	Not used	Not used	
	C3111, C3112, C3161, C3162	CCSRCH331J50	Not used	Not used	
	C3211, C3212, C3261, C3262	CCSRCH331J50	Not used	Not used	
	C3281, C3282	CCSRCH331J50	Not used	Not used	
	C2864, C2866	CKSRYB104K50	CKSRYB104K50	Not used	
	C2903, C2904	CEAT100M50	CEAT100M50	Not used	
	C2951, C2952, C2971, C2972	CCSRCH471J50	Not used	Not used	
	C2983	CKSRYB103K50	CKSRYB103K50	Not used	
	C3933	CCSRCH561J50	Not used	Not used	
	C3935	CEAT100M50	Not used	Not used	
	C3931	CEAT221M16	Not used	Not used	
	C3941	CKSRYB103K50	Not used	Not used	
	C3942, C3934	CKSRYB104K16	Not used	Not used	
	C3936	CKSRYB472K50	Not used	Not used	

B F COMPOSITE ASSY

AWX9568 and AWX9651 are different in part number, they consist of the same components.

C F DAC LOW ASSY

AWX9657 and AWX9566 are constructed the same except for the following:

Mark	Symbol and Description	AWX9657	AWX9566	Remarks
	D2130	Not used	1SS302	
	JA2101 Socket	Not used	BKP1127	
	R2135	Not used	RS1/10SR0R0J	
	R2140, R2141	Not used	RS1/10SR474J	
	R2142, R2143	Not used	RS1/10SR331J	
	R2130-R2134, R2144, R2145	RS1/10SR0R0J	Not used	
	R2189	RS1/8SQ475J	RS1/8SQ225J	
	C2124, C2126	Not used	CKSRYB103K50	
	C2127, C2128	Not used	CEAK220M50	

E F DIGITAL MAIN ASSY

AWX9719 and AWX9718 are constructed the same except for the following:

Mark	Symbol and Description	AWX9719	AWX9718	Remarks
	IC1809	Not used	TC74VHC157FK	
	IC1801	Not used	AAT4614AIGU-2	
	IC1806	Not used	TC74VHC125FK	
	IC1808	Not used	TC74LCX157FK	
	IC1816	Not used	NJM2872BF33	
	IC1803	Not used	BU9450KV	
	D602, D604	Not used	1SS352	
	D1801, D1802	Not used	HZU5R6(B2)	
	L1801, L1802, L1806, L1808	Not used	QTL1013	
	L1811 Chip Solid Inductor	Not used	QTL1013	
	JA1801 4p Socket	Not used	AKP7201	
	X1801 Crystal	Not used	ASS7095	
	R1823, R1828	Not used	RS1/10SR101J	
	R1814	Not used	RS1/10SR104J	
	R1818	Not used	RS1/16SS0R0J	
	R739, R1806, R1807, R1819	Not used	RS1/16SS101J	
	R1820, R1824-R1827, R1829	Not used	RS1/16SS101J	
	R1843, R1863, R1864, R1866	Not used	RS1/16SS101J	
	R1867, R1869-R1874, R1901	Not used	RS1/16SS101J	
	R1902	Not used	RS1/16SS101J	
	R1808, R1809, R1812, R1905	Not used	RS1/16SS102J	
	R1906	Not used	RS1/16SS102J	
	R1801	Not used	RS1/16SS103J	
	R1817, R1821, R1822, R1831	Not used	RS1/16SS104J	
	R1832, R1834, R1835	Not used	RS1/16SS104J	
	R1813	Not used	RS1/16SS105J	
	R1868, R1892	Not used	RS1/16SS151J	
	R1846, R1847, R1865	Not used	RS1/16SS470J	
	R1830	Not used	RS1/16SS473J	
	R1891	Not used	RS1/16SS680J	
	R1805	RS1/10SR0R0J	Not used	
	R724, R725, R1856, R1857	RS1/16SS0R0J	Not used	
	R1859, R1860, R1907, R1909	RS1/16SS0R0J	Not used	
	R1910	RS1/16SS0R0J	Not used	
	R738	RS1/16SS101J	Not used	
	R9865	RS1/16SS120J	RS1/16SS0R0J	
	R919, R921, R923, R926	RS1/16SS220J	RS1/16SS0R0J	
	R928, R930	RS1/16SS220J	RS1/16SS0R0J	
	R1833	Not used	RAB4CQ470J	

Mark	Symbol and Description	AWX9719	AWX9718	Remarks
	C9815	CCSRCH100D50	CCSRCH102J50	
	C1410	CCSSCH100D50	CCSSCH101J50	
	C1217, C1361, C9842	CCSSCH100D50	Not used	
	C941, C987, C1705, C9020	CKSSYB104K16	CKSSYB104K10	
	C1802, C1812	Not used	CCSSCH101J50	
	C1826, C1833, C1835	Not used	CCSSCH471J50	
	C1810, C1811	Not used	CCSSCH8R0D50	
	C1807	Not used	CEVLW101M10	
	C1803	Not used	CEVW101M16	
	C1854	Not used	CKSQYB225K10	
	C1804	Not used	CKSRYB104K16	
	C1801	Not used	CKSRYB105K10	
	C1805, C1806, C1808, C1809	Not used	CKSSYB104K10	
	C1813-C1815, C1819, C1820	Not used	CKSSYB104K10	
	C1825, C1832, C1834, C1852	Not used	CKSSYB104K10	
	C1853	Not used	CKSSYB104K10	
	C985 Chip Px Capacitor	VCH1234	CEVW221M4	

EF DIGITAL MAIN ASSY

AWX9719 and AWX9626 are constructed the same except for the following:

Mark	Symbol and Description	AWX9719	AWX9626	Remarks
	IC1607	TC7SH32FUS1	Not used	
	IC1606	AAT4614AIGU-2	Not used	
	IC1603	SII9134CTU-K	Not used	
	IC9009	ICS87002BM-05	IDT6V60008DCG	
	Q1604	UMB1N	Not used	
	Q1602	LTC114YUB	Not used	
	D1602	UDZS5R1(B)	Not used	
	L1602, L1608, L1624, L1625	ATL7010	Not used	
	L1626 Chip Beads	ATL7010	Not used	
	L1613-L1616 Coil	ATH7064	Not used	
	L1621 Inductor	CTF1473	Not used	
	JA1602 Hdmi Connector	AKP7254	Not used	
	R739	Not used	RS1/16SS101J	
	R1679, R1680	RS1/16SS0R0J	Not used	
	R1627, R1635, R1639, R1641	RS1/16SS100J	Not used	
	R1644	RS1/16SS100J	Not used	
	R738	RS1/16SS101J	Not used	
	R1647	RS1/16SS102J	Not used	
	R1632	RS1/16SS103J	Not used	
	R9865	RS1/16SS120J	RS1/16SS0R0J	
	R1677	RS1/16SS180J	Not used	
	R919, R921, R923, R926	RS1/16SS220J	RS1/16SS0R0J	
	R928, R930	RS1/16SS220J	RS1/16SS0R0J	
	R1659	RS1/16SS243J	Not used	
	R1657, R1663	RS1/16SS272J	Not used	
	R1610	RS1/16SS330J	Not used	
	R1624	RS1/16SS470J	Not used	
	R1649	RS1/16SS471J	Not used	
	R1653, R1655, R1678	RS1/16SS472J	Not used	
	R1670	RS1/16SS473J	Not used	
	R1651	RS1/16SS6800F	Not used	
	C9815	CCSRCH100D50	CCSRCH102J50	
	C1410	CCSSCH100D50	CCSSCH101J50	
	C1217, C1361, C9842	CCSSCH100D50	Not used	

Mark	Symbol and Description	AWX9719	AWX9626	Remarks
A	C1619, C1625, C1629, C1638	CCSSCH101J50	Not used	
	C1649, C1714	CCSSCH101J50	Not used	
	C1602, C1663, C1671, C1699	CCSSCH102J50	Not used	
	C1709, C1715	CCSSCH102J50	Not used	
	C1717	CCSSCH331J50	Not used	
	C1621, C1623, C1627, C1639	CCSSCH471J50	Not used	
B	C1645, C1658, C1660, C1708	CCSSCH471J50	Not used	
	C1713	CCSSCH471J50	Not used	
	C1665	CEVLW101M10	Not used	
	C1606, C1656, C1710, C1711	CKSQYB106K6R3	Not used	
	C1689, C1695	CKSRYB105K10	Not used	
	C1647	CKSSYB103K16	Not used	
	C1631, C1635, C1642, C1659	CKSSYB104K10	Not used	
	C1661, C1716, C1721	CKSSYB104K10	Not used	
	C941, C987, C1705, C9020	CKSSYB104K16	CKSSYB104K10	
	C1707	CKSSYB104K16	Not used	
	C1618, C1620, C1622, C1624	CKSSYB105K6R3	Not used	
	C1626, C1643, C1657, C1712	CKSSYB105K6R3	Not used	
	C1675, C1677, C1679, C1681	VCG1066	Not used	
	C1685, C1688, C1691, C1693	VCG1066	Not used	
	Chip Capacitor			
	C985 Chip Px Capacitor	VCH1234	CEVW221M4	

The mounting positions of the additional parts are described in the circuit diagram and PCB diagram of the parent manual.

H F POWER AMP ASSY

AWX9660 and AWX9573 are constructed the same except for the following:

Mark	Symbol and Description	AWX9660	AWX9573	Remarks
	JA5800-JA5802 Speaker Terminal 6p	AKE7108	AKE7107	

H F POWER AMP ASSY

AWX9660 and AWX9724 are constructed the same except for the following:

Mark	Symbol and Description	AWX9660	AWX9724	Remarks
	Q5952, Q5954, Q5956 Q5951, Q5953, Q5955 Q5865 D5931 D5935	LSA1576UB(QR) LTC124EUB RT3T22M MC2848-11 1SS357	Not used Not used Not used Not used Not used	
	L5933 Chip Solid Inductor L5951 Chip Solid Inductor JA5800-JA5802 Speaker Terminal 6p JA5807 Jack JA5811 Jack	QTL1013 ATL7002 AKE7108 AKN-209 VKB1243	Not used Not used AKE7107 Not used Not used	
	R5931 R5947, R5960-R5962 R5964-R5966 R5951, R5952 R5939	Not used RS1/10SR0R0J RS1/10SR0R0J RS1/10SR103J RS1/10SR104J	RS1/10SR0R0J Not used Not used Not used Not used	
	R5953-R5955, R5963 R5956-R5959 R5933 C5955 C5932, C5953, C5954	RS1/10SR120J RS1/10SR472J RS1/10SR622J CKSRYB102K50 CKSRYB103K50	Not used Not used Not used Not used Not used	
	C5951 C5934 C5957	CKSRYB104K16 CKSRYB153K50 CKSRYB472K50	Not used Not used Not used	

The mounting positions of the additional parts are described in the circuit diagram and PCB diagram of the parent manual.

J F DISPLAY ASSY

AWX9669, AWX9723, AWX9725 and AWX9675 are constructed the same except for the following:

Mark	Symbol and Description	AWX9669	AWX9723	AWX9725	AWX9675	Remarks
	Q3207, Q3208, Q3210-Q3213 D3204, D3206, D3208, D3210 D3212, D3214 D3216 R3020	LTC124EUB SLR343BC4T SLR343BC4T SLR343WBCT RS1/10SR473J	Not used SLR-343VC Not used SLR343BC4T Not used	Not used SLR-343VC Not used SLR343BC4T Not used	Not used SLR-343VC Not used SLR343BC4T Not used	
	R3021 R3022 R3023 R3079, R3211-R3214 R3241-R3244	Not used RS1/10SR473J Not used Not used RS1/10SR151J	RS1/10SR473J RS1/10SR223J RS1/10SR333J RS1/10SR0R0J RS1/10SR681J	RS1/10SR473J RS1/10SR333J RS1/10SR223J RS1/10SR0R0J RS1/10SR681J	RS1/10SR473J RS1/10SR393J RS1/10SR103J RS1/10SR0R0J RS1/10SR681J	
	R3245, R3246 R3247 R3356 C3041, C3043, C3343 C3218, C3219	RS1/10SR151J RS1/10SR561J RS1/10SR101J CCSRCH100D50 CCSRCH470J50	Not used RS1/10SR151J Not used Not used Not used	Not used RS1/10SR151J Not used Not used Not used	Not used RS1/10SR151J Not used Not used Not used	

The mounting positions of the additional parts are described in the circuit diagram and PCB diagram of the parent manual.

K F PRIMARY ASSY

AWX9676 and AWX9591 are constructed the same except for the following:

Mark	Symbol and Description	AWX9676	AWX9591	Remarks
L1	Line Filter	ATF7049	ATF7048	
VA1	Varistor	TND10V-511KB00AAA0	Not used	
CN82	Connector	Not used	B2P3-VH	
CN81	Connector(vh)	B3P5-VH	Not used	
KN52	Screw Plate	ANG7591	Not used	
R4		RS1/10SR821J	RS1/10SR182J	
R14		RS1/10SR1001F	RS1/10SR0R0J	
R57		RS1/4SA155J	Not used	
R59		RS1/8SQ365J	RS1/8SQ475J	
R72		RS1/10SR123J	RS1/10SR392J	
R73		RS1/10SR513J	RS1/10SR473J	
C74, C75		CCSRCH220J50	CCSRCH101J50	
C72	Film Capacitor	ACE7013	Not used	

M F XM REGULATOR ASSY

AWX9667 and AWX9582 are constructed the same except for the following:

Mark	Symbol and Description	AWX9667	AWX9582	Remarks
IC4301		Not used	NJM7805FA	
Q4301		Not used	2SD1763A	
Q4302		Not used	LSC4081UB	
D4301		Not used	D3SBA20	
D4302		Not used	PTZ9R1	
H4301, H4302	Fuse Clip	Not used	AKR1004	
R4302		Not used	RS1/10SR102J	
R4303		Not used	RS1/10SR221J	
R4304		Not used	RS1/10SR100J	
C4314, C4315		Not used	CCSRCH102J50	
C4306		Not used	CEAT101M25	
C4308		Not used	CEAT101M50	
C4301		Not used	CFTLA104J50	
C4307		Not used	CKSRYB103K50	
C4305		Not used	CKSRYB104K25	
C4309		Not used	CKSRYB104K50	
C4303		Not used	CEAT332M25-F	

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VSX-1325-K

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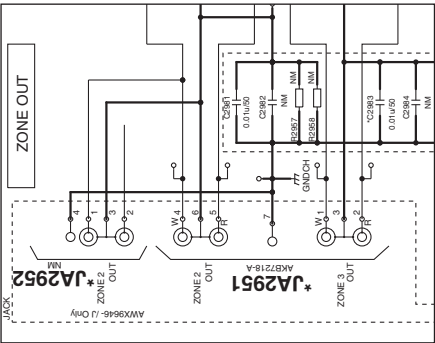
12

2. SCHEMATIC DIAGRAM

2.1 AUDIO ASSY

A

A_{1/3 F} AUDIO ASSY (1/3)
(AWX9646)

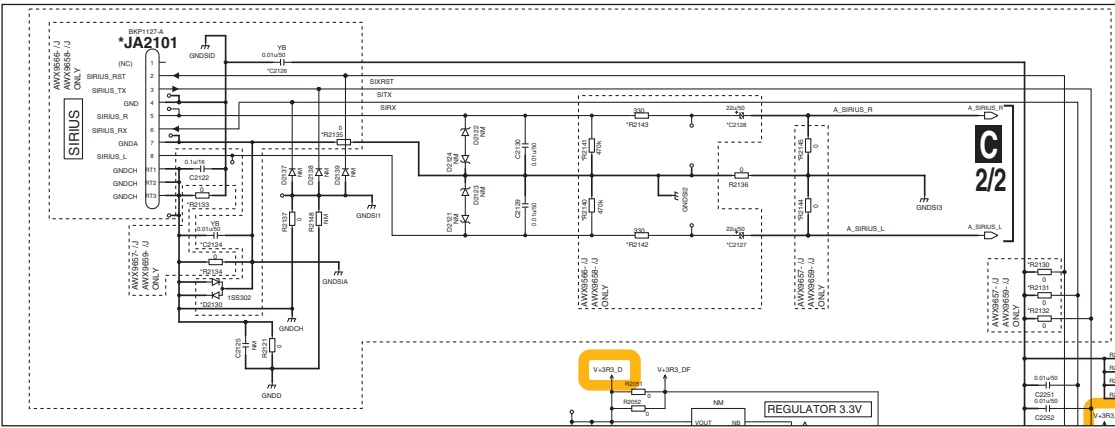


A-a_{1/3 F}

A-a_{1/3 F}

2.2 DAC LOW ASSY

C_{1/2 F} DAC LOW ASSY (1/2)
(AWX9566)



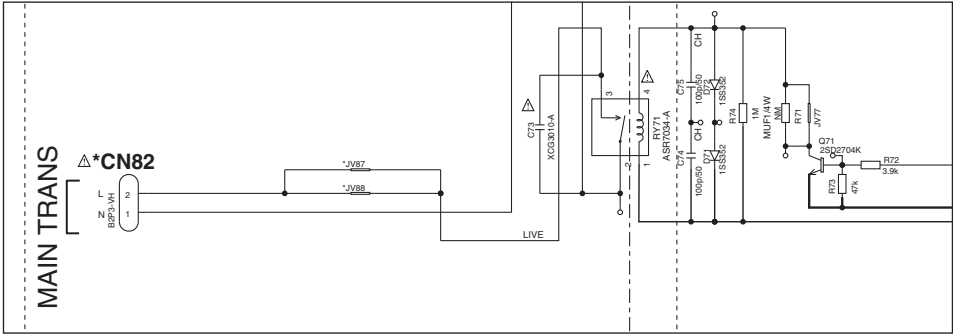
C_{1/2 F}
12

VSX-1325-K

C_{1/2 F}

2.3 PRIMARY ASSY

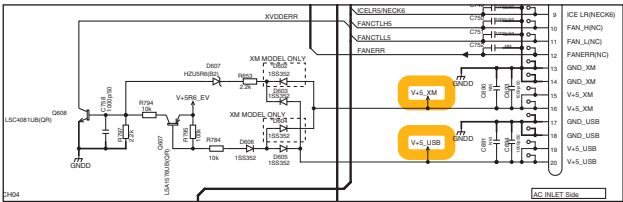
K_F PRIMARY ASSY
(AWX9591)



K_F

2.4 DIGITAL MAIN ASSY(2/10)

E_{2/10 F} DIGITAL MAIN ASSY (2/10)
(AWX9718)



E_{2/10 F}

E_{2/10 F}

2.5 DIGITAL MAIN ASSY(6/10)

E2/10-5/10,7/10,8/10,10/10

E7/10,8/10

E1/10

E5/10

E2/10, 5/10, 7/10, 8/10, 10/10

XM/DT BLOCK

E1/10 - 5/10, 7/10 - 9/10

The  mark found on some component parts should be replaced with same parts (safety regulation authorized) or identical designation.

E6/10 F

HDMI PCM DATA	
PC1	PC1H
PC2	PC2H
PC3	PC3H
PC4	PC4H
PC5	PC5H
PC6	PC6H
PC7	PC7H
PC8	PC8H
PC9	PC9H
PC10	PC10H

VSX-1325-K

A



C

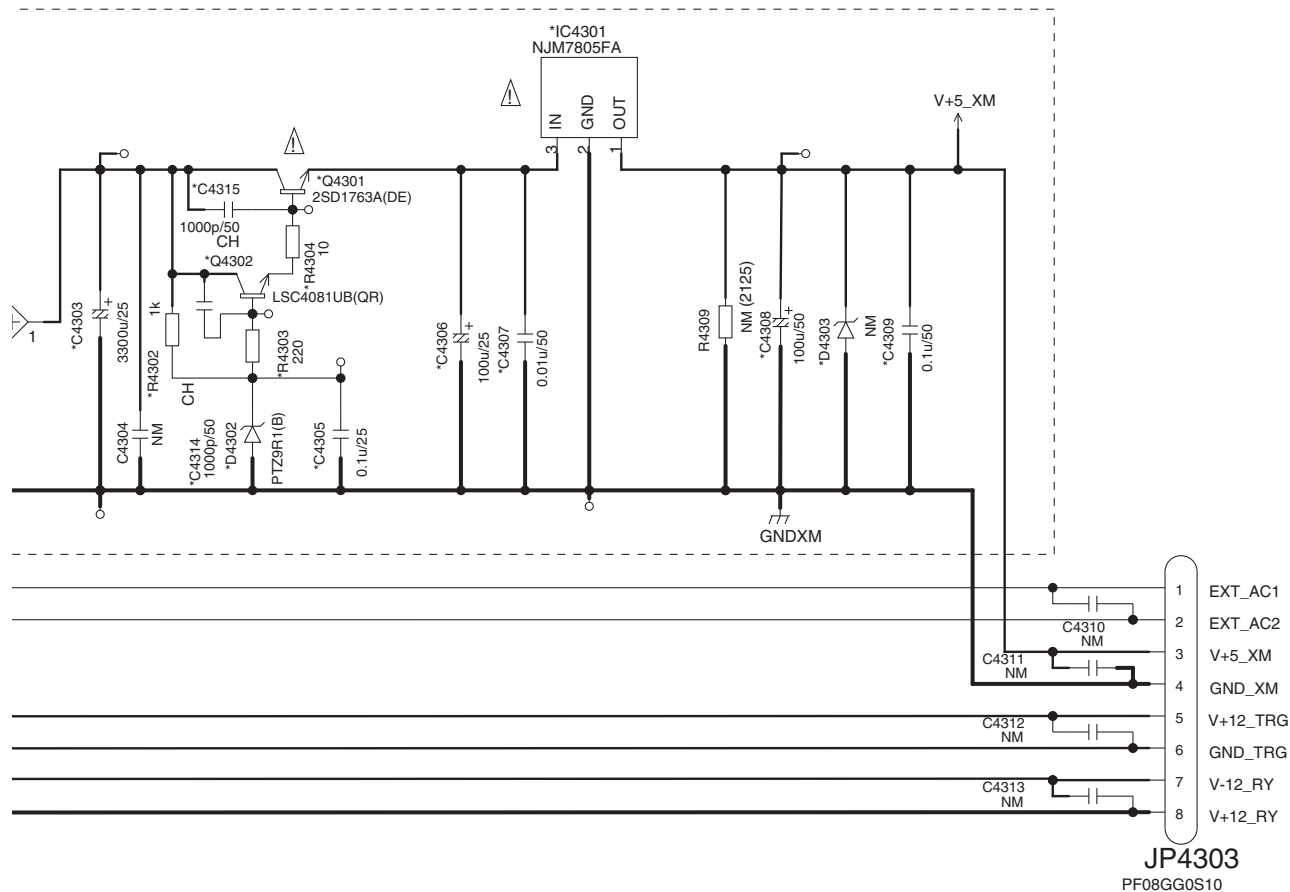
D

E

F

HDMI PCM DATA		HDMI DSD DATA	
HFDT	FL/FR	HFDT	FL
CDTI	C/SW	HDLRCK	FR
SDTI	SL/SR	SDTI	C
BDTI	SBL/SBR	CDTI	SW
		BDTI	SL
			SR

M



VEF1040-A
JH4301

VEF1040-A
JH4302

VEF1040-A
JH4303

NM
JH4304