

Service Manual

ORDER NO.
RRV4346

AV Receiver

SC-LX56

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

Model	Type	Power Requirement	The voltage can be converted by the following method.
SC-LX56	FXJ	AC 110 V	-----
SC-LX56	DLPWXJ	AC 220 V to 230 V/ 240 V	With the voltage selector
SC-LX56	AXJ5	AC 220 V	-----

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

Model No.	Order No.	Remarks
SC-65/UXJCB	RRV4311	

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

1. CONTRAST OF MISCELLANEOUS PARTS

NOTES: ● Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.

● The  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%).

560Ω → 56 x 10¹ → 561 RD1/4PU561J

47kΩ → 47 x 10³ → 473 RD1/4PU473J

0.5Ω → R50 RN2HR50K

1Ω → 1R0 RS1P1R0K

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

5.62kΩ → 562 x 10¹ → 5621 RN1/4PC5621F

CONTRAST TABLE

SC-65/UXJCB, SC-LX56/FXJ, SC-LX56/DLPWXJ and SC-LX56/AXJ5 are constructed the same except for the following:

Mark	No.	Symbol and Description	SC-65 /UXJCB	SC-LX56 /FXJ	SC-LX56 /DLPWXJ	SC-LX56 /AXJ5	Remarks
C	PCB ASSEMBLIES						
	NSP	1..INTERFACE REG ASSY	AWR7147	AWR7164	AWR7164	AWR7164	
	P77-1	2..IR REG ASSY	AWX1283	AWX1296	AWX1296	AWX1296	
	P79-9	2..CONNECT ASSY	AWX1160	AWX1298	AWX1298	AWX1298	
	NSP	1..PRE POWER ASSY	AWR7149	AWR7165	AWR7165	AWR7165	
	P77-3	2..A-REG ASSY	AWX1162	AWX1300	AWX1300	AWX1300	
	NSP	1..IR BUFFER ASSY	AWM8306	AWM8312	AWM8312	AWM8312	
	P79-2	2..IR BUFFER ASSY	AWX1155	AWX1297	AWX1297	AWX1297	
	P79-4	1..AUDIO COMPOSITE ASSY	AWR7135	AWR7160	AWR7160	AWR7160	
		2..AUDIO ASSY	AWX1113	AWX1273	AWX1273	AWX1273	
D	P79-13	1..DAC HIGH ASSY	AWX1103	AWX1294	AWX1294	AWX1294	
	P79-14	1..COMPONENT ASSY	AWX1105	AWX1287	AWX1287	AWX1287	
	P79-15	1..DIGITAL MAIN ASSY	AWX1199	AWX1281	AWX1266	AWX1266	
	P81-1	1..D AMP ASSY	AWH7047	AWH7051	AWH7051	AWH7051	
		2..D AMP ASSY	AWX1210	AWX1213	AWX1213	AWX1213	
E	NSP	1..PRIM DISPLAY ASSY	AWM8289	AWM8294	AWM8293	AWM8295	
	P81-2	2..PRIMARY ASSY	AWX1136	AWX1140	AWX1139	AWX1141	
	P83-4	2..MIC HP ASSY	AWX1148	AWX1295	AWX1295	AWX1295	
	P83-7	1..FRONT HDMI USB ASSY	AWX1110	AWX1292	AWX1292	AWX1292	
F	PACKING SECTION						
		P75-3 AC Power Cord	ADG7118	ADG7120	ADG7123	ADG7122	
		P75-7 Quick Start Guide	ARH7119	ARH7121	ARH7122	ARH7123	
		P75-8 Caution Sheet SP	ARM7083	ARM7083	ARM7083	ARM7104	
	NSP	P75-9 Caution Card	ARM7134	ARM7136	ARM7137	ARM7138	
		P75-10 Operating Instructions (CD-ROM)	ARU7032	ARI7021	ARU7034	ARI7022	
	NSP	Operating Instructions (En)	ARB7480	Not used	Not used	Not used	
	NSP	Operating Instructions (Fr)	ARC8076	Not used	Not used	Not used	
	NSP	Operating Instructions (Zhtw)	Not used	ARC8074	Not used	Not used	
	NSP	Operating Instructions (En)	Not used	Not used	ARB7482	Not used	
	NSP	Operating Instructions (Es)	Not used	Not used	ARC8085	Not used	
	NSP	Operating Instructions (Zhcn)	Not used	Not used	Not used	ARC8075	
	NSP	P75-13 Warranty Card	ARY7007	Not used	Not used	ARY7118	

Mark	No.	Symbol and Description	SC-65 /UXJCB	SC-LX56 /FXJ	SC-LX56 /DLPWXJ	SC-LX56 /AXJ5	Remarks
	P75-19	Packing Case Caution 220-230V Caution Card SD SB	AHD8754 Not used Not used	AHD8757 Not used Not used	AHD8758 ARR7023 ARM7063	AHD8759 Not used Not used	
		EXTERIOR SECTION					
⚠	P77-9	Power Transformer	ATS7455	ATS7454	ATS7452	ATS7452	
⚠	P77-10	Fuse (FU13, FU14 : 1A)	REK1142	Not used	Not used	Not used	
⚠	P77-10	Fuse (FU13, FU14 : T800mA)	Not used	AEK7072	AEK7072	AEK7072	
⚠	P77-11	Fuse (FU11, FU12, FU15, FU21, FU22 : 1.25A)	REK1143	Not used	Not used	Not used	
⚠	P77-11	Fuse (FU11, FU12, FU15 : T1A)	Not used	AEK7073	AEK7073	AEK7073	
⚠	P77-11	Fuse (FU21, FU22 : T800mA)	Not used	AEK7072	AEK7072	AEK7072	
⚠	P77-12	Fuse (FU31, FU32 : 1.6A)	REK1144	Not used	Not used	Not used	
⚠	P77-12	Fuse (FU31, FU32 : T800mA)	Not used	AEK7072	AEK7072	AEK7072	
⚠	P77-13	Fuse (FU10 : 6A)	REK1151	Not used	Not used	Not used	
⚠	P77-13	Fuse (FU10 : T5A)	Not used	AEK1061	AEK1061	AEK1061	
	P77-22	Insulator	AMR7198	DXA1904	DXA1904	DXA1904	
		REAR SECTION					
	P79-19	Rear Panel	ANC8632	ANC8635	ANC8636	ANC8637	
NSP		CCC S Label	Not used	Not used	Not used	DRW2310	
NSP		Label/CPA	Not used	Not used	AAX8227	Not used	
		Screw (For Voltage Selector)	Not used	Not used	BBZ30P080FTB	Not used	Rear Panel
		CHASSIS SECTION					
⚠	P81-8	Fuse (FU4 : 2A)	REK1139	REK1139	Not used	Not used	
⚠	P81-8	Fuse (FU4 : 4A)	Not used	Not used	REK1104	REK1104	
⚠	P81-9	Fuse (FU1 : 10A)	REK1154	Not used	Not used	Not used	
⚠	P81-9	Fuse (FU1 : 10A)	Not used	DEK1045	Not used	Not used	
⚠	P81-9	Fuse (FU1 : T5A)	Not used	Not used	AEK1061	AEK1061	
		FRONT SECTION					
	P83-11	Door Panel	AAN7237	AAN7236	AAN7236	AAN7236	
	P83-21	Filter	AAK8443	AAK8459	AAK8459	AAK8459	
	P83-22	Display Panel	AAK8567	AAK8568	AAK8568	AAK8568	
NSP	P83-26	Panel Base	AMB8041	AMB8042	AMB8042	AMB8042	
	P83-27	Panel	ANB7577	ANB7579	ANB7579	ANB7579	
	P83-28	Pioneer Badge	VAM1159	VAM1158	VAM1158	VAM1158	

Notes : For PCB ASSEMBLIES, Refer to "CONTRAST OF PCB ASSEMBLIES".

CONTRAST OF PCB ASSEMBLIES

AF AUDIO ASSY

AWX1113 and AWX1273 are constructed the same except for the following:

Mark	Symbol and Description	AWX1113	AWX1273	Remarks
	R3907, R3917-R3919, R3976 R3982, R3983 R3901, R3902 R2763, R6745 R3915	RS1/10SR0R0J RS1/10SR0R0J RS1/10SR0R0J RS1/10SR100J RS1/10SR332J	RS1/10SR100J RS1/10SR101J RS1/10SR2R2J RS1/10SR220J Not used	
	R2688 C2815, C2816 C3021 C3901 C3908, C3911, C3912, C3916	RS1/8SQ152J CKSQYB103K50 CKSRYB103K50 CCSRCH270J50 CCSRCH100D50	RS1/8SQ132J Not used Not used Not used Not used	
	C3001, C3002 C3025, C3026	CEAK2R2M50 CEAK100M50	ACH7379 ACH7380	

B F DAC HIGH ASSY

AWX1103 and AWX1294 are constructed the same except for the following:

A

Mark	Symbol and Description	AWX1103	AWX1294	Remarks
	R2231, R2232 C2058 C2401, C2402 C2403, C2404	Not used CKSQYB225K10 CKSRYB104K16 DCH1201	RS1/8SQ393J CCG1222 Not used DCH1263	

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

C F FRONT HDMI USB ASSY

AWX1110 and AWX1292 are constructed the same except for the following:

B

Mark	Symbol and Description	AWX1110	AWX1292	Remarks
	C8044, C8045	ACG1128	CCG1236	

E F DIGITAL MAIN ASSY

AWX1199, AWX1281 and AWX1266 are constructed the same except for the following:

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Mark	Symbol and Description	AWX1199	AWX1281	AWX1266	Remarks
	R683, R943, R1570 R9212 R1902 R1590, R9042, R9743 R1928	RS1/16SS0R0J RS1/16SS103J RS1/16SS151J RS1/16SS470J RS1/16SS470J	RS1/16SS100J RS1/16SS123J RS1/16SS101J RS1/16SS101J RS1/16SS560J	RS1/16SS100J RS1/16SS123J RS1/16SS101J RS1/16SS101J RS1/16SS560J	
	R1571 R1807 R9133	RS1/16SS0R0J RS1/16SS470J RS1/16SS330J	RS1/16SS101J VTL1127 RS1/16SS0R0J	RS1/16SS0R0J RS1/16SS470J RS1/16SS330J	
	C9298-C9300 C997 C720, C721, C1424 C9255 C1227	ACG1150 CCSSCH100D50 CCSSCH101J50 CCSSCH102J50 CCSSCH331J50	CCG1236 Not used CCSSCH331J50 CCSSCH331J50 CCSSCH471J50	CCG1236 Not used CCSSCH331J50 CCSSCH331J50 CCSSCH471J50	
	C1029 C926 C422 C1627, C1631, C1686, C1693 C1380	CCSSCH331J50 CEVW470M6R3 CKSQYB105K25 CKSRYB105K16 CKSSYB103K25	CKSSYB103K25 CEVW101M4 VCG1072 CKSRYB103K50 CKSSYB104K16	CKSSYB103K25 CEVW101M4 VCG1072 CKSRYB103K50 CKSSYB104K16	
	C155, C616, C628, C643 C664, C680, C981, C1034 C1285, C1318, C1334, C1761 C1783, C1785, C1791, C1801 C9020, C9028, C9098, C9177	CKSSYB104K16 CKSSYB104K16 CKSSYB104K16 CKSSYB104K16 CKSSYB104K16	CKSSYB103K25 CKSSYB103K25 CKSSYB103K25 CKSSYB103K25 CKSSYB103K25	CKSSYB103K25 CKSSYB103K25 CKSSYB103K25 CKSSYB103K25 CKSSYB103K25	
	C9212, C9681, C9721, C9726 C9775 C609, C655, C1205, C1211 C1605, C1650, C1719, C1723 C1740, C1743, C9226, C9228	CKSSYB104K16 CKSSYB104K16 DCH1201 DCH1201 DCH1201	CKSSYB103K25 CKSSYB103K25 DCH1263 DCH1263 DCH1263	CKSSYB103K25 CKSSYB103K25 DCH1263 DCH1263 DCH1263	
	C9230 C927, C1228, C1353, C1354 C1428, C1732, C9638 C449, C450, C1907, C1963 C1964, C1971, C9406, C9407	DCH1201 DCH1201 DCH1201 ACG1128 ACG1128	DCH1263 Not used Not used CCG1236 CCG1236	DCH1263 Not used Not used CCG1236 CCG1236	
	C9412, C9417, C9418, C9425 C1208 C9262	ACG1128 CEVW221M4 DCH1246	CCG1236 VCH1234 CKSSYB103K25	CCG1236 VCH1234 CKSSYB103K25	

G F COMPONENT ASSY

AWX1105 and AWX1287 are constructed the same except for the following:

Mark	Symbol and Description	AWX1105	AWX1287	Remarks
	R8391, R8392, R8610, R8626-R8634 R8418 C8619 C8408, C8410, C8413, C8415 C8421, C8422 C8394 C8608 C8607 C8409, C8414 C8378	Not used RS1/8SQ561J CCSRCH100D50 CCSRCH102J50 CCSRCH102J50 CCSRCH470J50 CCSRCH471J50 CKSRYB103K50 DCH1201 Not used	RS1/10SR0R0J RS1/8SQ471J Not used Not used CCSRCH331J50 Not used Not used Not used DCH1263 CCSRCH471J50	

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

I F MIC HP ASSY

AWX1148 and AWX1295 are constructed the same except for the following:

Mark	Symbol and Description	AWX1148	AWX1295	Remarks
	C3480 C3460	DCH1201 DCH1165	DCH1263 CCG1236	

N F IR BUFFER ASSY

AWX1155 and AWX1297 are constructed the same except for the following:

Mark	Symbol and Description	AWX1155	AWX1297	Remarks
	R6806, R6826, R6846, R6866 R6886, R6906, R6926, R7456 R7476	RS1/10SR22R0F RS1/10SR22R0F RS1/10SR22R0F	RS1/10SR0R0J RS1/10SR0R0J RS1/10SR0R0J	

Q F D AMP ASSY

AWX1210 and AWX1213 are constructed the same except for the following:

Mark	Symbol and Description	AWX1210	AWX1213	Remarks
	IC4204, IC4404, IC4604, IC4704 IC4804 JA4301, JA4501, JA4901 JA5101 Speaker Terminal 4-P JA4101 Speaker Terminal 6-P R5194 R4173, R4273, R4373, R4473 R4573, R4673, R4773, R4873 R4973 R4174, R4274, R4374, R4474 R4574, R4674, R4774, R4874 R4974 R5191 R4069 R4097 R5033 R4128, R4180, R4184, R4228 R4280, R4284, R4328, R4380 R4384, R4428, R4480, R4484 R4528, R4580, R4584, R4628 R4680, R4684, R4728, R4780 R4784, R4828, R4880, R4884 R4928, R4980, R4984 R4001, R4003, R4004, R4275 R4475, R4675, R4775, R4875	NJM12904V NJM12904V AKE7109 AKE7109 AKE7107 Not used Not used Not used Not used Not used Not used Not used RS1/10SR0R0J RS1/10SR0R0J RS1/10SR100J RS1/10SR100J RS1/10SR101J RS1/10SR101J RS1/10SR101J RS1/10SR101J RS1/10SR101J RS1/10SR101J RS1/10SR101J RS1/10SR101J RS1/10SR101J	NJM2732V NJM2732V AKE7110 AKE7110 AKE7108 RS1/10SR0R0J RS1/8SQ105J RS1/8SQ105J RS1/8SQ105J RS1/8SQ242J RS1/8SQ242J RS1/8SQ242J Not used RS1/10SR100J RS1/10SR101J RS1/10SR120J RS1/10SR111J RS1/10SR111J RS1/10SR111J RS1/10SR111J RS1/10SR111J RS1/10SR111J RS1/10SR111J RS1/10SR121J RS1/10SR121J	

Mark	Symbol and Description	AWX1210	AWX1213	Remarks
A	R5056, R5057, R5061 R4110, R4210, R4310, R4410 R4510, R4610, R4710, R4810 R4910 R5006	RS1/10SR101J RS1/10SR103J RS1/10SR103J RS1/10SR103J RS1/4SA105J	RS1/10SR121J RS1/10SR912J RS1/10SR912J RS1/10SR912J RS1/4SA104J	
	R4131, R4231, R4331, R4431 R4531, R4631, R4731, R4831 R4931 R4132, R4232, R4332, R4432 R4532, R4632, R4732, R4832	RS1/8SQ103J RS1/8SQ103J RS1/8SQ103J RS1/8SQ123J RS1/8SQ123J	RS1/8SQ752J RS1/8SQ752J RS1/8SQ752J RS1/8SQ822J RS1/8SQ822J	
	R4932 C4091	RS1/8SQ123J CKSRYB104K50	RS1/8SQ822J CKSRYB103K50	

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

R F PRIMARY ASSY

AWX1136, AWX1140, AWX1139 and AWX1141 are constructed the same except for the following:

Mark	Symbol and Description	AWX1136	AWX1140	AWX1139	AWX1141	Remarks
C	L1 Line Filter	ATF7046	ATF7046	ATF7050	ATF7050	
	S81 Voltage Selector	Not used	Not used	AKX7020	Not used	
	CN81 Connector	B2P3-VH	Not used	Not used	Not used	
	CN82 Connector(VH)	Not used	B3P5-VH	B3P5-VH	B3P5-VH	
	JA71 AC Inlet Assy	ADX7513	ADX7513	ADX7513	ADX7464	
	KN2 Screw Plate	VNE1948	VNE1948	Not used	VNE1948	

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

S F A-REG ASSY

AWX1162 and AWX1300 are constructed the same except for the following:

Mark	Symbol and Description	AWX1162	AWX1300	Remarks
D	C7505, C7506, C7522	CKSRYB103K50	Not used	
	C7509, C7510, C7517	CKSRYB104K50	Not used	
	C7502, C7524-C7526	CKSRYB473K50	Not used	

T F IR REG ASSY

AWX1283, and AWX1296 are constructed the same except for the following:

Mark	Symbol and Description	AWX1283	AWX1296	Remarks
	R7274	RS1/4SA271J	RS1/4SA105J	

W F CONNECT ASSY

AWX1160 and AWX1298 are constructed the same except for the following:

Mark	Symbol and Description	AWX1160	AWX1298	Remarks
	R7810, R7811, R7815-R7818	RS1/10SR100J	RS1/10SR120J	