

Pioneer

Service Manual

ORDER NO.
RRV4144

AUDIO/VIDEO MULTI-CHANNEL RECEIVER

SC-LX83

SC-LX73

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-LX83	AXJ5	AC 220 V to 230 V/ 240 V	With the voltage selector
SC-LX73	AXJ5	AC 220 V to 230 V/ 240 V	With the voltage selector

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

Model No.	Order No.	Remarks
SC-37/UXJCB SC-37/UXJCB	RRV4137 RRV4138	PCB RETRIEVAL DIAGRAM

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

1. EXPLODED VIEWS AND PARTS LIST

- 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 10 ¹ | → | 561 | | RD1/4PU |  |  |  | J |
| 47kΩ | → | 47 x 10 ³ | → | 473 | | RD1/4PU |  |  |  | J |
| 0.5Ω | → | R50 | | | | RN2H |  |  |  | K |
| 1Ω | → | 1R0 | | | | RS1P |  |  |  | K |
- Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).
- | | | | | | | | | | | | |
|--------|---|-----------------------|---|------|-------|---------|---|---|---|---|---|
| 5.62kΩ | → | 562 x 10 ¹ | → | 5621 | | RN1/4PC |  |  |  |  | F |
|--------|---|-----------------------|---|------|-------|---------|---|---|---|---|---|

CONTRAST TABLE

SC-37/UXJCB, SC-LX83/AXJ5 and SC-LX73/AXJ5 are constructed the same except for the following:

Mark	No.	Symbol and Description	SC-37/UXJCB	SC-LX83/AXJ5	SC-LX73/AXJ5	Remarks	
NSP	P107-10	PCB ASSEMBLIES					
		1..AUDIO_COMPOSITE ASSY	AWR7090	AWR7100	AWR7100		
		2..AUDIO ASSY	AWX9647	AWX9735	AWX9735		
	P107-12	1..DIGITAL MAIN ASSY	AWX9620	AWX9627	AWX9628		
	P107-13	1..DAC HIGH ASSY	AWX9622	AWX9711	Not used		
	P107-14	1..DAC LOW ASSY	Not used	Not used	AWX9659		
	P107-15	1..COMPONENT ASSY	AWX9654	AWX9654	AWX9656		
NSP	P109-1	1..ICEPOWER AMP ASSY	AWH7024	AWH7031	AWH7033		
	P109-4	1..INTERFACE_REG ASSY	AWR7085	AWR7096	AWR7096		
		2..INTERFACE ASSY	AWX9605	AWX9701	AWX9701		
NSP	P107-1	1..MIC HP ICE ASSY	AWM8190	AWM8245	AWM8244		
		2..ICE BUFFER ASSY	AWX9598	AWX9748	AWX9747		
NSP	P111-3	1..PRIM_DISPLAY ASSY	AWM8191	AWM8208	AWM8215		
		2..DISPLAY ASSY	AWX9600	AWX9685	AWX9692		
	P109-3	2..PRIMARY ASSY	AWX9604	AWX9697	AWX9697		
	P103-1 P103-3 P103-5 P103-8 P103-11	PACKING SECTION					
		AC Power Cord	ADG7111	ADG7105	ADG7105		
		IR Bluster Cable	ADF7007	ADF7007	Not used		
		Protection Sheet LX	AEH7030	Not used	Not used		
		Packing Case	AHD8677	AHD8681	AHD8688		
		Operating Instrutions (En)	ARB7446	Not used	Not used		
	P103-13 P103-13 P103-14 P103-15	Operating Instrutions (Zhcn)	Not used	ARC7958	ARC7958		
		Caution Sheet SP (En)	ARM7083	Not used	Not used		
		Caution Sheet SP (Zhcn)	Not used	ARM7104	ARM7104		
		RF Remote Caution	ARM7131	ARM7131	Not used		
		Warranty Card	ARY7007	ARY7118	ARY7118		
	NSP	P103-16	RF Remote Control Unit	AXD7580	AXD7580	Not used	
		P103-17	Remote Control Unit	Not used	Not used	AXD7592	
		P103-18	RF Receiver Box	AXX7272	AXX7272	Not used	
		P103-19	Battery Cover	AZN8049	AZN8049	Not used	
P103-20		Battery Door	Not used	Not used	AZN8047		
NSP	P103-22	Dry Cell Battery (LR6)	VEM1047	VEM1053	Not used		
NSP	P103-22	Dry Cell Battery (R3)	Not used	Not used	VEM1051		

Mark	No.	Symbol and Description	SC-37/UXJCB	SC-LX83/AXJ5	SC-LX73/AXJ5	Remarks
NSP		CCC S&E Label	Not used	DRW2310	DRW2310	
		EXTERIOR SECTION				
⚠	P105-8	Power Transformer	ATS7430	ATS7431	ATS7431	
⚠	P105-9	Fuse (FU13, FU14 : 1A)	REK1142	Not used	Not used	
⚠	P105-9	Fuse (FU13, FU14 : T 800 mA)	Not used	AEK7072	AEK7072	
⚠	P105-10	Fuse (FU11, FU12, FU15 : 1.25A)	REK1143	Not used	Not used	
⚠	P105-10	Fuse (FU11, FU12, FU15 : T 1 A)	Not used	AEK7073	AEK7073	
⚠	P105-11	Fuse (FU61, FU62 : 10A)	REK1154	Not used	Not used	
⚠	P105-11	Fuse (FU61, FU62 : 10A)	Not used	VEK1029	VEK1029	
	P105-21	Insulator	AMR7198	Not used	Not used	
	P105-21	Insulator Assembly	Not used	DXA1904	DXA1904	
		REAR SECTION				
	P107-16	FM/AM Tuner Unit	AXX7267	AXX7268	AXX7268	
	P107-24	Rear Panel	ANC8568	ANC8574	ANC8581	
		CHASSIS SECTION				
⚠	P109-9	Fuse (FU4 : 2A)	REK1139	Not used	Not used	
⚠	P109-9	Fuse (FU4 : 4 A)	Not used	REK1104	REK1104	
⚠	P109-10	Fuse (FU21, FU22, FU31, FU32 : 1.25 A)	REK1143	Not used	Not used	
⚠	P109-10	Fuse (FU21, FU22, FU31, FU32 : T 800 mA)	Not used	AEK7072	AEK7072	
⚠	P109-11	Fuse (FU51, FU52 : 1.6A)	REK1144	Not used	Not used	
⚠	P109-11	Fuse (FU51 : T 1.25 A)	Not used	AEK7074	AEK7074	
⚠	P109-12	Fuse (FU1 : 10 A)	VEK1029	Not used	Not used	
⚠	P109-12	Fuse (FU1 : T5 A)	Not used	AEK1061	AEK1061	
		FRONT SECTION				
	P111-13	Filter	AAK8443	AAK8459	AAK8459	
	P111-14	Display Panel	AAK8488	AAK8492	AAK8492	
	P111-15	Power Ring	AAK8507	AAK8477	AAK8477	
	P111-16	Door Sheet	AAK8535	AAK8536	AAK8536	
	P111-24	Front Panel	ANB7531	ANB7532	ANB7536	
	P111-25	Door Panel	ANB7538	ANB7539	ANB7539	
	P111-28	P Base 27CU ASSY	AZN8040	AZN8041	AZN8041	
	P111-29	Pioneer Badge	VAM1159	VAM1158	VAM1158	
	P111-30	STDBY BTN ASSY	XAD3216	AAD7773	AAD7773	

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

CONTRAST OF PCB ASSEMBLIES

AF AUDIO ASSY

AWX9647 and AWX9735 are constructed the same except for the following:

Mark	Symbol and Description	AWX9647	AWX9735	Remarks
	R2707, R2708	RS1/10SR331J	RS1/10SR562J	
	R2709, R2710	RS1/10SR562J	RS1/10SR331J	
	C2673-C2676	CKSRYB122K50	CCSRCH122J50	
	C2681, C2682, C3905	CKSRYB104K16	CKSRYB104K50	
	C2691, C2692	CCSRCH331J50	CCSRCH101J50	
	C2852, C2853	Not used	CCSRCH101J50	
	C3051, C3052	CCSRCH102J50	CCSRCH331J50	
	C3167	Not used	CCSRCH100D50	

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

B F DAC HIGH ASSY

AWX9622 and AWX9711 are constructed the same except for the following:

A

Mark	Symbol and Description	AWX9622	AWX9711	Remarks
	D2130	1SS302	Not used	
	JA2101 Socket	BKP1127	Not used	
	R2133, R2134, R2144, R2145	Not used	RS1/10SR0R0J	
	R2231-R2233	Not used	RS1/10SR0R0J	
	R2135	RS1/10SR0R0J	Not used	
	R2142, R2143	RS1/10SR331J	Not used	
	R2140, R2141	RS1/10SR474J	Not used	
	R2492	RS1/8SQ105J	RS1/8SQ474J	
	C2124, C2126	CKSRYB103K50	Not used	
	C2006, C2010-C2015, C2122	CKSRYB104K16	CKSRYB104K50	
	C2446, C2480	CKSRYB104K16	CKSRYB104K50	
	C2020, C2023, C2027, C2028	CKSSYB104K10	CKSSYB104K16	
	C2033, C2047, C2106, C2176	CKSSYB104K10	CKSSYB104K16	
	C2183, C2429, C2482	CKSSYB104K10	CKSSYB104K16	
	C2127, C2128	CEAT220M50	Not used	

B

C F DAC LOW ASSY

AWX9658 and AWX9659 are constructed the same except for the following:

C

Mark	Symbol and Description	AWX9658	AWX9659	Remarks
	D2130	1SS302	Not used	
	JA2101 Socket	BKP1127	Not used	
	R2130-R2134, R2144, R2145	Not used	RS1/10SR0R0J	
	R2135	RS1/10SR0R0J	Not used	
	R2140, R2141	RS1/10SR474J	Not used	
	R2142, R2143	RS1/10SR331J	Not used	
	C2124, C2126	CKSRYB103K50	Not used	
	C2127, C2128	CEAK220M50	Not used	

D

F F DIGITAL MAIN ASSY

AWX9620 and AWX9627 are constructed the same except for the following:

D

Mark	Symbol and Description	AWX9620	AWX9627	Remarks
	IC1809	TC74VHC157FK	Not used	
	IC1801	AAT4614AIGU-2	Not used	
	IC1806	TC74VHC125FK	Not used	
	IC1808	TC74LCX157FK	Not used	
	IC1816	NJM2872BF33	Not used	
	IC1803	BU9450KV	Not used	
	D602, D604	1SS352	Not used	
	D1801, D1802	HZU5R6(B2)	Not used	
	L1801, L1802, L1806, L1808	QTL1013	Not used	
	L1811 Chip Solid Inductor	QTL1013	Not used	
	X1801 Crystal	ASS7095	Not used	
	JA1801 4p Socket	AKP7201	Not used	
	R1805	Not used	RS1/10SR0R0J	
	R1856, R1857, R1859, R1860	Not used	RS1/16SS0R0J	
	R1907, R1909, R1910	Not used	RS1/16SS0R0J	
	R724, R725, R738	Not used	RS1/16SS101J	
	R1823, R1828	RS1/10SR101J	Not used	
	R1814	RS1/10SR104J	Not used	
	R1818	RS1/16SS0R0J	Not used	
	R739, R1806, R1807, R1819	RS1/16SS101J	Not used	
	R1820, R1824-R1827, R1829	RS1/16SS101J	Not used	

E

F

Mark	Symbol and Description	AWX9620	AWX9627	Remarks
	R1843, R1863, R1864, R1866 R1867, R1869-R1874 R1901, R1902 R1808, R1809, R1812	RS1/16SS101J RS1/16SS101J RS1/16SS101J RS1/16SS102J	Not used Not used Not used Not used	
	R1905, R1906 R1801 R1817, R1821, R1822, R1831 R1832, R1834, R1835 R1813	RS1/16SS102J RS1/16SS103J RS1/16SS104J RS1/16SS104J RS1/16SS105J	Not used Not used Not used Not used Not used	
	R1868, R1892 R1846, R1847, R1865 R1830 R1891 R1833	RS1/16SS151J RS1/16SS470J RS1/16SS473J RS1/16SS680J RAB4CQ470J	Not used Not used Not used Not used Not used	
	C1855 C1014 C1802, C1812 C173 C9037, C9038	CCSSCH100D50 CCSSCH101J50 CCSSCH101J50 CCSSCH102J50 CCSSCH471J50	Not used CCSSCH100D50 Not used CCSSCH100D50 CCSSCH330J50	
	C1826, C1833, C1835 C1810, C1811 C1807 C1803, C1844 C9807, C9808	CCSSCH471J50 CCSSCH8R0D50 CEVLW101M10 CEVW101M16 CKSQYB104K25	Not used Not used Not used Not used CKSQYB104K50	
	C1854 C9817, C9823, C9850 C1804 C1801 C632, C661, C937, C946	CKSQYB225K10 CKSRYB104K16 CKSRYB104K16 CKSRYB105K10 CKSSYB104K10	Not used CKSRYB104K50 Not used Not used CKSSYB104K16	
	C969, C976, C1296, C1341 C1362, C1367-C1370, C1385 C9043, C9066, C9083, C9095 C9099, C9108, C9110, C9214 C9215, C9221, C9225, C9243	CKSSYB104K10 CKSSYB104K10 CKSSYB104K10 CKSSYB104K10 CKSSYB104K10	CKSSYB104K16 CKSSYB104K16 CKSSYB104K16 CKSSYB104K16 CKSSYB104K16	
	C9253, C9255, C9306, C9308 C9533, C9569, C9589, C9595 C9600, C9894, C9896 C1805, C1806, C1808, C1809 C1813, C1815, C1819	CKSSYB104K10 CKSSYB104K10 CKSSYB104K10 CKSSYB104K10 CKSSYB104K10	CKSSYB104K16 CKSSYB104K16 CKSSYB104K16 Not used Not used	
	C1820, C1825, C1832, C1834 C1852, C1853 C143, C144, C418, C9024 C9035, C9042, C9859, C9870 C406, C611, C9362	CKSSYB104K10 CKSSYB104K10 CKSSYB105K6R3 CKSSYB105K6R3 Not used	Not used Not used DCH1246 DCH1246 CCSSCH100D50	
	C759, C760	Not used	CCSSCH101J50	

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

FF DIGITAL MAIN ASSY

AWX9620 and AWX9628 are constructed the same except for the following:

Mark	Symbol and Description	AWX9620	AWX9628	Remarks
A	IC3	MX29LV640ETTI-70G-K	Not used	
	IC9202	D787E001BRFP250L-K	Not used	
	IC9001	AYW7333	AYW7334	
	IC606	TC74VHC126FK	Not used	
	IC1809	TC74VHC157FK	Not used	
	IC1812, IC9504	TC7SH08FUS1	Not used	
	IC9506	Not used	LAN9211-ABZJ-K	
	IC9505	RTL8201CP-LF-K	Not used	
	IC1801	AAT4614AIGU-2	Not used	
	IC105	Not used	TC7WHU04FU	
B	IC605, IC1806	TC74VHC125FK	Not used	
	IC1808	TC74LCX157FK	Not used	
	IC9017	TC74LCX08FK	Not used	
	IC1816	NJM2872BF33	Not used	
	IC9802, IC9805	NJM2846DL3-33	Not used	
	IC9803	NJM2846DL3-18	Not used	
	IC9816	S-1172B12-U5	Not used	
	IC9502	K4S281632K-UC60-K	Not used	
	IC9201	IS42S16100E-6TL-K	Not used	
	IC1803	BU9450KV	Not used	
C	D602, D604	1SS352	Not used	
	D1801, D1802	HZU5R6(B2)	Not used	
	D9809	1SR154-400	Not used	
	L9501, L9502, L9504, L9505	ATF1211	Not used	
	L9511 Chip Beads	Not used	ATL7010	
	L101, L604, L605, L1801	QTL1013	Not used	
	L1802, L1806, L1808, L1809	QTL1013	Not used	
	L1811, L9021, L9201	QTL1013	Not used	
	L9203-L9205, L9503	QTL1013	Not used	
	L9506-L9510, L9811	QTL1013	Not used	
D	L106, L9512	Not used	QTL1013	
	L9202 Inductor	CTF1357	Not used	
	X102 Crystal (27 MHz)	Not used	ASS7092	
	X1801 Crystal	ASS7095	Not used	
	X9501 Crystal	ASS7098	Not used	
	X9502 Crystal (25 MHz)	Not used	ASS7098	
	X101 Crystal Oscillator	ASS7103	Not used	
	JA1801 4p Socket	AKP7201	Not used	
	CN9501 5p Connector	VKN1374	Not used	
	R9213	RS1/16SS914J	Not used	
E	R9662	Not used	RS1/16SS1202F	
	R9643, R9651	Not used	RAB4CQ100J	
	R9620, R9621, R9640, R9646	Not used	RAB4CQ220J	
	R1805	Not used	RS1/10SR0R0J	
	R148, R648-R650, R1856	Not used	RS1/16SS0R0J	
	R1857, R1859, R1860, R1907	Not used	RS1/16SS0R0J	
	R1909, R1910, R9396-R9400	Not used	RS1/16SS0R0J	
	R9407, R9439, R9440, R9667	Not used	RS1/16SS0R0J	
	R9673, R9675-R9677, R9821	Not used	RS1/16SS0R0J	
	R9624, R9632	Not used	RS1/16SS100J	
F	R724, R725, R738	Not used	RS1/16SS101J	
	R309	Not used	RS1/16SS102J	
	R9655, R9668, R9669	Not used	RS1/16SS103J	

Mark	Symbol and Description	AWX9620	AWX9628	Remarks
	R9334	Not used	RS1/16SS104J	
	R308, R9666	Not used	RS1/16SS105J	
	R9686	Not used	RS1/16SS10R0D	A
	R9625, R9656	Not used	RS1/16SS220J	
	R310	Not used	RS1/16SS270J	
	R1940, R9618, R9619, R9623	Not used	RS1/16SS473J	
	R9631	Not used	RS1/16SS473J	
	R9678-R9681	Not used	RS1/16SS49R9F	
	R9217, R9223	RAB4CQ103J	Not used	
	R9034	RAB4CQ151J	RAB4CQ470J	
	R9515-R9517	RAB4CQ220J	Not used	
	R9592	RAB4CQ330J	Not used	
	R1833, R9201, R9214, R9215	RAB4CQ470J	Not used	B
	R9227, R9228, R9233, R9235	RAB4CQ470J	Not used	
	R9239, R9246-R9249, R9514	RAB4CQ470J	Not used	
	R9518, R9558, R9564, R9587	RAB4CQ470J	Not used	
	R9588, R9614, R9615	RAB4CQ470J	Not used	
	R9540, R9593, R9594	RAB4CQ473J	Not used	
	R1823, R1828	RS1/10SR101J	Not used	
	R1814	RS1/10SR104J	Not used	
	R9815	RS1/10SR121J	Not used	
	R111, R147, R1818, R9234	RS1/16SS0R0J	Not used	
	R9544, R9548, R9571, R9572	RS1/16SS0R0J	Not used	C
	R9629, R9641, R9659, R9660	RS1/16SS0R0J	Not used	
	R9670-R9672, R9674, R9843	RS1/16SS0R0J	Not used	
	R9868	RS1/16SS0R0J	Not used	
	R640, R641, R659, R719	RS1/16SS101J	Not used	
	R739, R777, R813, R1806	RS1/16SS101J	Not used	
	R1807, R1819, R1820	RS1/16SS101J	Not used	
	R1824-R1827, R1829, R1843	RS1/16SS101J	Not used	
	R1863, R1864, R1866, R1867	RS1/16SS101J	Not used	
	R1869, R1870-R1874, R1901	RS1/16SS101J	Not used	
	R1902, R9114, R9115	RS1/16SS101J	Not used	
	R9202-R9209, R9219-R9221	RS1/16SS101J	Not used	D
	R9231, R9505, R9506, R9536	RS1/16SS101J	Not used	
	R9111, R9433, R9436	RS1/16SS101J	RS1/16SS0R0J	
	R1808, R1809, R1812, R1905	RS1/16SS102J	Not used	
	R1906	RS1/16SS102J	Not used	
	R102, R1801, R9218, R9222	RS1/16SS103J	Not used	
	R9232, R9240, R9241, R9401	RS1/16SS103J	Not used	
	R9510-R9512, R9529-R9531	RS1/16SS103J	Not used	
	R9537, R9555, R9557, R9560	RS1/16SS103J	Not used	
	R9561, R9563, R9565, R9566	RS1/16SS103J	Not used	E
	R9583, R9604, R9605	RS1/16SS103J	Not used	
	R101	RS1/16SS104J	Not used	
	R779	RS1/16SS104J	Not used	
	R1817, R1821, R1822, R1831	RS1/16SS104J	Not used	
	R1832, R1834, R1835, R9533	RS1/16SS104J	Not used	
	R1813, R9210, R9582, R9622	RS1/16SS105J	Not used	
	R1868, R1892	RS1/16SS151J	Not used	
	R9654	RS1/16SS152J	Not used	
	R9626-R9628, R9634, R9635	RS1/16SS153J	Not used	
	R9653	RS1/16SS2001F	Not used	
	R9225, R9245, R9522, R9524	RS1/16SS220J	Not used	F
	R9526-R9528, R9553, R9598	RS1/16SS220J	Not used	
	R9613	RS1/16SS220J	Not used	
	R9427	RS1/16SS220J	RS1/16SS0R0J	

Mark	Symbol and Description	AWX9620	AWX9628	Remarks
A	R9616	RS1/16SS221J	Not used	
	R9840	RS1/16SS222J	Not used	
	R9521, R9637	RS1/16SS330J	Not used	
	R9805	RS1/16SS333J	RS1/16SS183J	
	R675, R681, R682, R1846	RS1/16SS470J	Not used	
	R1847, R1865, R1887, R1903	RS1/16SS470J	Not used	
	R9126, R9127, R9211, R9212	RS1/16SS470J	Not used	
	R9224, R9226, R9229, R9230	RS1/16SS470J	Not used	
	R9236-R9238, R9242-R9244	RS1/16SS470J	Not used	
	R9413, R9414, R9507, R9520	RS1/16SS470J	Not used	
B	R9523, R9525, R9532, R9535	RS1/16SS470J	Not used	
	R9538, R9549, R9551, R9556	RS1/16SS470J	Not used	
	R9562, R9567, R9579, R9610	RS1/16SS470J	Not used	
	R9687	RS1/16SS470J	Not used	
	R9422, R9426, R9428, R9431	RS1/16SS470J	RS1/16SS0R0J	
	R9435	RS1/16SS470J	RS1/16SS0R0J	
	R9122	RS1/16SS470J	RS1/16SS680J	
	R9508, R9509, R9519, R9550	RS1/16SS472J	Not used	
	R9559, R9568, R9570, R9591	RS1/16SS472J	Not used	
	R9638, R9639, R9642, R9644	RS1/16SS472J	Not used	
C	R9645, R9647, R9648, R9650	RS1/16SS472J	Not used	
	R9652	RS1/16SS472J	Not used	
	R676, R677, R1830	RS1/16SS473J	Not used	
	R9501-R9504, R9513, R9534	RS1/16SS473J	Not used	
	R9541, R9543, R9546, R9552	RS1/16SS473J	Not used	
	R9554, R9569, R9574, R9576	RS1/16SS473J	Not used	
	R9578, R9580, R9584-R9586	RS1/16SS473J	Not used	
	R9589, R9590, R9595-R9597	RS1/16SS473J	Not used	
	R9599-R9603, R9606-R9609	RS1/16SS473J	Not used	
	R9612	RS1/16SS473J	Not used	
D	R9657, R9658, R9661, R9663	RS1/16SS49R9F	Not used	
	R1891	RS1/16SS680J	Not used	
	R9105	RS1/16SS680J	RS1/16SS470J	
	R9834	RS1/8SQ225J	Not used	
	C1013, C9874	ACH7306	Not used	
	C634, C651, C1855, C9310	CCSSCH100D50	Not used	
	C1014	CCSSCH101J50	CCSSCH100D50	
	C1802, C1812, C9503, C9505	CCSSCH101J50	Not used	
	C9552	CCSSCH101J50	Not used	
	C173	CCSSCH102J50	CCSSCH100D50	
E	C627, C646, C9535, C9542	CCSSCH102J50	Not used	
	C9567	CCSSCH102J50	Not used	
	C9336	CCSSCH270J50	Not used	
	C9037, C9038	CCSSCH471J50	CCSSCH330J50	
	C103, C1826, C1833, C1835	CCSSCH471J50	Not used	
	C1841, C9111, C9204, C9207	CCSSCH471J50	Not used	
	C9211, C9213, C9220, C9226	CCSSCH471J50	Not used	
	C9227, C9233, C9235, C9236	CCSSCH471J50	Not used	
	C9239, C9245, C9248, C9251	CCSSCH471J50	Not used	
	C9254, C9256, C9261, C9305	CCSSCH471J50	Not used	
F	C9512, C9516, C9518, C9521	CCSSCH471J50	Not used	
	C9524, C9529, C9531, C9534	CCSSCH471J50	Not used	
	C9539, C9540, C9548-C9550	CCSSCH471J50	Not used	
	C9560, C9562, C9573, C9575	CCSSCH471J50	Not used	
	C9587	CCSSCH471J50	Not used	
	C1810, C1811	CCSSCH8R0D50	Not used	

Mark	Symbol and Description	AWX9620	AWX9628	Remarks
	C9571, C9581	CCSSCH9R0D50	Not used	
	C9546, C9547	CEVLW100M16	Not used	
	C1807, C9514, C9590	CEVLW101M10	Not used	
	C9565	CEVLW220M16	Not used	
	C9572	CEVLW330M25	Not used	
	C9102, C9107	CEVLW470M16	Not used	
	C9242	CEVW100M16	Not used	
	C1565, C1803, C1829, C1844	CEVW101M16	Not used	
	C9201, C9216, C9830	CEVW101M16	Not used	
	C9501	CEVW101M4	Not used	
	C9553, C9568	CEVW220M16	Not used	
	C9101, C9510, C9839	CEVW221M4	Not used	
	C9092, C9867	CFHXSQ103J16	Not used	
	C9807, C9808	CKSQYB104K25	CKSQYB104K50	
	C1854, C9833, C9849	CKSQYB225K10	Not used	
	C101, C9841, C9879, C9889	CKSQYB475K6R3	Not used	
	C9817, C9823	CKSRYB104K16	CKSRYB104K50	
	C1804, C9229, C9240, C9250	CKSRYB104K16	Not used	
	C9834, C9850	CKSRYB104K16	Not used	
	C1801	CKSRYB105K10	Not used	
	C9513, C9517, C9574, C9586	CKSSYB103K16	Not used	
	C632, C661, C937, C946	CKSSYB104K10	CKSSYB104K16	
	C969, C976, C1296, C1341	CKSSYB104K10	CKSSYB104K16	
	C1362, C1367-C1370, C1385	CKSSYB104K10	CKSSYB104K16	
	C9043, C9066, C9083, C9095	CKSSYB104K10	CKSSYB104K16	
	C9099, C9108, C9306, C9308	CKSSYB104K10	CKSSYB104K16	
	C9894, C9896	CKSSYB104K10	CKSSYB104K16	
	C102, C625, C652, C1805	CKSSYB104K10	Not used	
	C1806, C1808, C1809	CKSSYB104K10	Not used	
	C1813-C1815, C1819, C1820	CKSSYB104K10	Not used	
	C1825, C1832, C1834, C1840	CKSSYB104K10	Not used	
	C1852, C1853, C9110, C9203	CKSSYB104K10	Not used	
	C9205, C9206, C9208-C9210	CKSSYB104K10	Not used	
	C9212, C9214, C9215	CKSSYB104K10	Not used	
	C9221-C9225, C9228	CKSSYB104K10	Not used	
	C9230-C9232, C9234, C9237	CKSSYB104K10	Not used	
	C9238, C9241, C9243, C9244	CKSSYB104K10	Not used	
	C9246, C9247, C9249, C9252	CKSSYB104K10	Not used	
	C9253, C9255, C9257-C9260	CKSSYB104K10	Not used	
	C9262, C9502, C9504	CKSSYB104K10	Not used	
	C9506-C9509, C9511, C9515	CKSSYB104K10	Not used	
	C9519, C9520, C9522, C9523	CKSSYB104K10	Not used	
	C9525-C9528, C9530, C9532	CKSSYB104K10	Not used	
	C9533, C9536-C9538, C9541	CKSSYB104K10	Not used	
	C9543-C9545, C9551	CKSSYB104K10	Not used	
	C9554-C9559, C9561, C9566	CKSSYB104K10	Not used	
	C9569, C9570, C9580, C9589	CKSSYB104K10	Not used	
	C9595, C9600, C9619, C9620	CKSSYB104K10	Not used	
	C9843, C9847	CKSSYB104K10	Not used	
	C143, C144, C418, C9024	CKSSYB105K6R3	DCH1246	
	C9035, C9042, C9859, C9870	CKSSYB105K6R3	DCH1246	
	C9811	CKSSYB222K50	CCSSCH102J50	
	C9564	CSZS330M6R3	Not used	
	C201, C406, C611, C9362	Not used	CCSSCH100D50	
	C759, C760	Not used	CCSSCH101J50	
	C203, C9577, C9579, C9583	Not used	CCSSCH102J50	
	C9585, C9591, C9593, C9598	Not used	CCSSCH102J50	

Mark	Symbol and Description	AWX9620	AWX9628	Remarks
A	C9603, C9605, C9607, C9609 C9613	Not used Not used	CCSSCH102J50 CCSSCH102J50	
	C200, C9614, C9615 C9610 C9592	Not used Not used Not used	CCSSCH120J50 CEVW101M4 CKSQYB106K6R3	
	C202, C9576, C9588, C9594 C9604, C9612	Not used Not used	CKSSYB104K10 CKSSYB104K10	
	C9578, C9582, C9599, C9602 C9606, C9608, C9611 C9616	Not used Not used Not used	CKSSYB105K6R3 CKSSYB105K6R3 CKSSYB223K16	
	C140, C985, C1355 C156	VCH1277 VCH1268	CEVW221M4 CEVW101M4	
	C9597 C1108 C9801	Not used VCH1234 VCH1234	VCH1268 CEVW101M16 Not used	

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

G F INTERFACE ASSY

AWX9605 and AWX9701 are constructed the same except for the following:

Mark	Symbol and Description	AWX9605	AWX9701	Remarks
C	IC7002 Q7018 Q7020 D7016 D7018	NJM7805FA LSC4081UB 2SD1763A D3SBA20(B) PTZ9R1(B)	Not used Not used Not used Not used Not used	
	H7003, H7004 Fuse Clip 7003, 7004 Heat Sink 7023, 7024 Screw	AKR1004 ANH7224 BBZ30P080FCC	Not used Not used Not used	
	R7060 R7064	RS1/10SR102J RS1/10SR221J	Not used Not used	
	R7066 C7102, C7105 C7078, C7091, C7092 C7039 C7104	RS1/10SR100J CCSRCH101J50 CCSRCH102J50 CFTLA274J50 CFTLA394J50	Not used Not used Not used Not used Not used	
	C7066 C7057, C7079, C7093 C7049 C7063, C7072	CKSRYB103K50 CKSRYB104K50 CEAK332M25-F CEAK101M25	Not used Not used Not used Not used	

H F COMPONENT ASSY

AWX9654 and AWX9656 are constructed the same except for the following:

Mark	Symbol and Description	AWX9654	AWX9656	Remarks
	JA8305 3p Pin Jack Ni R8317, R8319, R8321 R8316, R8318, R8320	AKB7227 RS1/10SR3R9J RS1/10SR68R0D	Not used Not used Not used	

K F DISPLAY ASSY

AWX9600, AWX9685 and AWX9692 are constructed the same except for the following:

Mark	Symbol and Description	AWX9600	AWX9685	AWX9692	Remarks
	R8277	RS1/10SR473J	RS1/10SR223J	RS1/10SR223J	
	R8278	Not used	RS1/10SR333J	RS1/10SR333J	
	R8279	Not used	Not used	RS1/10SR473J	
	R8280	RS1/10SR473J	RS1/10SR473J	Not used	
	R8302	RS1/10SR105J	RS1/10SR225J	RS1/10SR225J	
	C8014	CKSRYB105K10	CKSRYB105K16	CKSRYB105K16	
	C8018	CKSRYB104K16	CCSRCH150J50	CCSRCH150J50	
	C8030	CKSRYB105K10	CKSRYB105K16	CKSRYB105K16	
	C8033	CKSRYB471K50	CCSRCH471J50	CCSRCH471J50	
	C8227	CKSRYB104K16	CCSRCH100D50	CCSRCH100D50	

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

N F ICE BUFFER ASSY

AWX9598, AWX9748 and AWX9747 are constructed the same except for the following:

Mark	Symbol and Description	AWX9598	AWX9748	AWX9747	Remarks
	R6808, R6809, R6828, R6829	RS1/10SR0R0J	RS1/10SR0R0J	RS1/10SR1R0J	
	R6848, R6849, R6868, R6869	RS1/10SR0R0J	RS1/10SR0R0J	RS1/10SR1R0J	
	R6888, R6889, R6908, R6909	RS1/10SR0R0J	RS1/10SR0R0J	RS1/10SR1R0J	
	R6928, R6929	RS1/10SR0R0J	RS1/10SR0R0J	RS1/10SR1R0J	
	R6803, R6823, R6843, R6863	RS1/10SR100J	RS1/10SR111J	RS1/10SR111J	
	R6883, R6903, R6923	RS1/10SR100J	RS1/10SR111J	RS1/10SR111J	

P F ICEPOWER AMP ASSY

AWH7024, AWH7031 and AWH7033 are constructed the same except for the following:

Mark	Symbol and Description	AWH7024	AWH7031	AWH7033	Remarks
	JA4301, JA4501, JA4901 Sp Terminal 4-p	AKE7149	AKE7147	AKE7143	
	JA4101 Sp Terminal 6-p	AKE7150	AKE7148	AKE7144	
	R4184-R4188, R4284-R4288	Not used	ACN7180	ACN7180	
	R4384-R4388, R4484-R4488	Not used	ACN7180	ACN7180	
	R4142, R4242, R4342, R4442	Not used	ACN7180	ACN7180	
	R4584-R4588, R4684-R4688	Not used	ACN7180	ACN7180	
	R4784-R4788, R4542, R4642	Not used	ACN7180	ACN7180	
	R4742, R4842, R4935, R4942 Chip Resistor	Not used	ACN7180	ACN7180	
	R4904	ACN7180	RS1/4SA473J	RS1/4SA473J	
	R4063	Not used	RS1/10SR0R0J	RS1/10SR0R0J	
	R4172, R4372, R4572, R4772	Not used	RS1/8SQ105J	RS1/8SQ105J	
	R4791	Not used	RS1/8SQ225J	RS1/8SQ225J	
	R4190, R4390, R4590, R4890	Not used	RS1/8SQ473J	RS1/8SQ473J	
	R4792	Not used	RS1/8SQ822J	RS1/8SQ822J	
	R4100, R4101, R4200, R4201	RN1/16SE1000D	RS1/10SR3900D	RS1/10SR3900D	
	R4300, R4301, R4400, R4401	RN1/16SE1000D	RS1/10SR3900D	RS1/10SR3900D	
	R4500, R4501, R4600, R4601	RN1/16SE1000D	RS1/10SR3900D	RS1/10SR3900D	
	R4700, R4701	RN1/16SE1000D	RS1/10SR3900D	RS1/10SR3900D	
	R4104, R4105, R4204, R4205	RN1/16SE1001D	RS1/10SR4701D	RS1/10SR4701D	
	R4304, R4305, R4404, R4405	RN1/16SE1001D	RS1/10SR4701D	RS1/10SR4701D	
	R4504, R4505, R4604, R4605	RN1/16SE1001D	RS1/10SR4701D	RS1/10SR4701D	
	R4704, R4705	RN1/16SE1001D	RS1/10SR4701D	RS1/10SR4701D	
	R4102, R4103, R4202, R4203	RN1/16SE9100D	RS1/10SR4301D	RS1/10SR4301D	
	R4302, R4303, R4402, R4403	RN1/16SE9100D	RS1/10SR4301D	RS1/10SR4301D	
	R4502, R4503, R4602, R4603	RN1/16SE9100D	RS1/10SR4301D	RS1/10SR4301D	

A

B

C

D

E

F

Mark	Symbol and Description	AWH7024	AWH7031	AWH7033	Remarks
A	R4702, R4703	RN1/16SE9100D	RS1/10SR4301D	RS1/10SR4301D	
	R4115, R4215, R4315, R4415	RS1/10SR0R0J	RS1/10SR2R2J	RS1/10SR2R2J	
	R4515, R4615, R4715, R4815	RS1/10SR0R0J	RS1/10SR2R2J	RS1/10SR2R2J	
	R4044	RS1/10SR101J	RS1/10SR391J	RS1/10SR101J	
	R4144, R4244, R4344, R4444	RS1/10SR102J	RS1/10SR152J	RS1/10SR152J	
B	R4544, R4644, R4744	RS1/10SR102J	RS1/10SR152J	RS1/10SR152J	
	C4001-C4004, C4011-C4013	CCSRCH102J25	CCSRCH102J50	CCSRCH102J50	
	C4018-C4020, C4021	CCSRCH102J25	CCSRCH102J50	CCSRCH102J50	
	C4014-C4017	CCSRCH102J25	CCSRCH331J50	CCSRCH102J50	
	C4131, C4132, C4231, C4232	CKSQYB224K25	CKSQYB224K50	CKSQYB224K50	
C	C4331, C4332, C4431, C4432	CKSQYB224K25	CKSQYB224K50	CKSQYB224K50	
	C4531, C4532, C4631, C4632	CKSQYB224K25	CKSQYB224K50	CKSQYB224K50	
	C4731, C4732	CKSQYB224K25	CKSQYB224K50	CKSQYB224K50	
	C4926	CKSRYB103K25	CCSRCH101J50	CCSRCH101J50	
	C4028	CKSRYB103K25	CKSRYB103K50	CKSRYB103K50	
D	C4005, C4006, C4026, C4031	CKSRYB104K16	CKSRYB104K50	CKSRYB104K50	
	C4032-C4035, C4042, C4121	CKSRYB104K16	CKSRYB104K50	CKSRYB104K50	
	C4129, C4152, C4153, C4156	CKSRYB104K16	CKSRYB104K50	CKSRYB104K50	
	C4221, C4229, C4252, C4253	CKSRYB104K16	CKSRYB104K50	CKSRYB104K50	
	C4258, C4321, C4329, C4352	CKSRYB104K16	CKSRYB104K50	CKSRYB104K50	
E	C4353, C4356, C4421, C4429	CKSRYB104K16	CKSRYB104K50	CKSRYB104K50	
	C4452, C4453, C4458, C4521	CKSRYB104K16	CKSRYB104K50	CKSRYB104K50	
	C4529, C4552, C4553, C4556	CKSRYB104K16	CKSRYB104K50	CKSRYB104K50	
	C4621, C4629, C4652, C4653	CKSRYB104K16	CKSRYB104K50	CKSRYB104K50	
	C4658, C4721, C4729, C4752	CKSRYB104K16	CKSRYB104K50	CKSRYB104K50	
F	C4753, C4756, C4758, C4914	CKSRYB104K16	CKSRYB104K50	CKSRYB104K50	
	C4915, C4909, C4924, C4925	CKSRYB104K16	CKSRYB104K50	CKSRYB104K50	
	C4022, C4025, C4040, C4115	CKSRYB105K10	CKSRYB105K16	CKSRYB105K16	
	C4118, C4120, C4130, C4147	CKSRYB105K10	CKSRYB105K16	CKSRYB105K16	
	C4148, C4215, C4218, C4220	CKSRYB105K10	CKSRYB105K16	CKSRYB105K16	
G	C4230, C4247, C4248, C4315	CKSRYB105K10	CKSRYB105K16	CKSRYB105K16	
	C4318, C4320, C4330, C4347	CKSRYB105K10	CKSRYB105K16	CKSRYB105K16	
	C4348, C4415, C4418, C4420	CKSRYB105K10	CKSRYB105K16	CKSRYB105K16	
	C4430, C4447, C4448, C4515	CKSRYB105K10	CKSRYB105K16	CKSRYB105K16	
	C4518, C4520, C4530, C4547	CKSRYB105K10	CKSRYB105K16	CKSRYB105K16	
H	C4548, C4615, C4618, C4620	CKSRYB105K10	CKSRYB105K16	CKSRYB105K16	
	C4630, C4647, C4648, C4715	CKSRYB105K10	CKSRYB105K16	CKSRYB105K16	
	C4718, C4720, C4730, C4747	CKSRYB105K10	CKSRYB105K16	CKSRYB105K16	
	C4748, C4818, C4847	CKSRYB105K10	CKSRYB105K16	CKSRYB105K16	
	C4151, C4251, C4351, C4451	CKSRYB105K16	CKSRYB103K50	CKSRYB103K50	
I	C4551, C4651, C4751	CKSRYB105K16	CKSRYB103K50	CKSRYB103K50	
	C4157, C4257, C4357, C4457	CKSRYB222K50	CCSRCH222J50	CCSRCH222J50	
	C4557, C4657, C4757, C4857	CKSRYB222K50	CCSRCH222J50	CCSRCH222J50	
	C4008, C4027	Not used	CCSRCH100D50	CCSRCH100D50	
	C4041	Not used	CCSRCH100D50	Not used	
J	C4007	Not used	CCSRCH331J50	CCSRCH102J50	
	C4009	Not used	CCSRCH331J50	Not used	
	C4106, C4107, C4206, C4207	ACG7072	CCSRCH101J50	CCSRCH101J50	
	C4306, C4307, C4406, C4407	ACG7072	CCSRCH101J50	CCSRCH101J50	
	C4506, C4507, C4606, C4607	ACG7072	CCSRCH101J50	CCSRCH101J50	
K	C4706, C4707	ACG7072	CCSRCH101J50	CCSRCH101J50	
	C4100, C4200, C4300, C4400	CFTNA104J2A	ACE7087	ACE7087	
	C4500, C4600, C4700	CFTNA104J2A	ACE7087	ACE7087	
	C4101, C4201, C4301, C4401	CFTNA274J2A	ACE7088	ACE7088	
	C4501, C4601, C4701	CFTNA274J2A	ACE7088	ACE7088	

Q F PRIMARY ASSY

AWX9604 and AWX9697 are constructed the same except for the following:

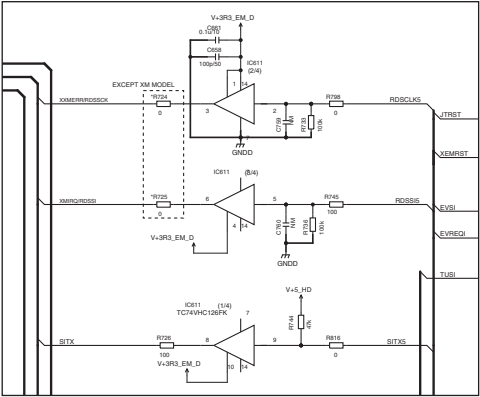
Mark	Symbol and Description	AWX9604	AWX9697	Remarks
⚠	L1 LINE FILTER	ATF7048	ATF7050	
⚠	S81 VOLTAGE SELECTOR	Not used	AKX7020	
⚠	CN81 2P-VH CONNECTOR	B2P3-VH	Not used	
⚠	CN82 3P-VH CONNECTOR	Not used	B3P5-VH	
	KN2 SCREW PLATE	VNE1948	Not used	
	R4	RS1/10SR182J	RS1/10SR821J	
	R14	RS1/10SR0R0J	RS1/10SR1001F	
	R57	RS1/4SA105J	ACN7180	
	R59	RS1/8SQ475J	RS1/8SQ365J	
	R72	RS1/10SR392J	RS1/10SR123J	
	C61	Not used	CCSRCH100D50	
	C74, C75	CCSRCH101J50	CCSRCH220J50	
⚠	C81	ACE7013	Not used	

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

4

F2/10 F

DIGITAL MAIN ASSY (2/10)
(AWX9627, AWX9628)



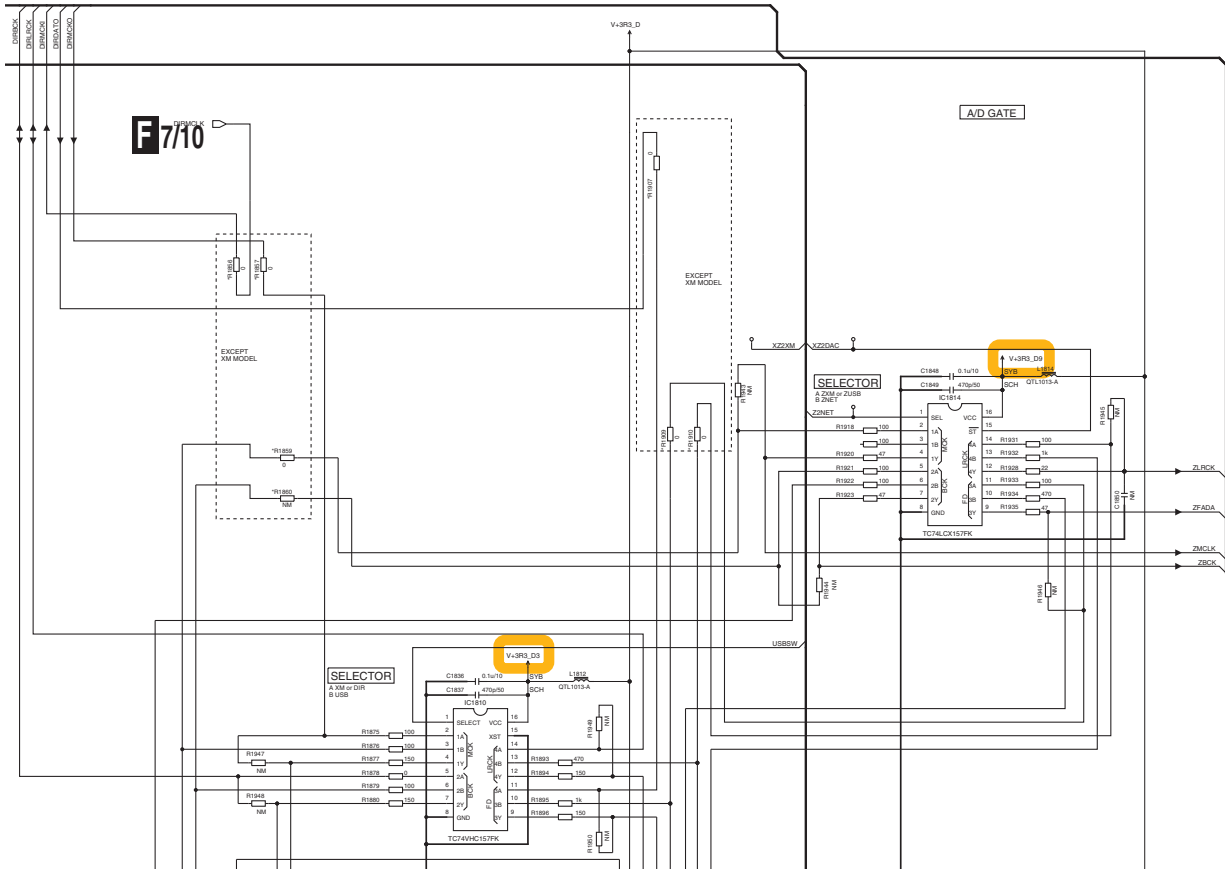
F2/10 F

F2/10 F

2.4 DIGITAL MAIN ASSY (6/10)

F6/10 F

DIGITAL MAIN ASSY (6/10)
(AWX9627, AWX9628)



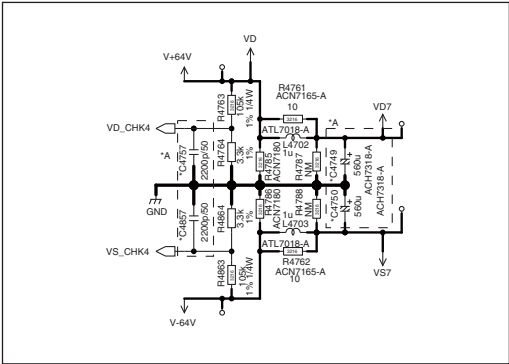
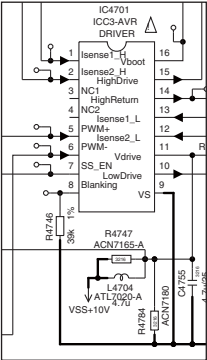
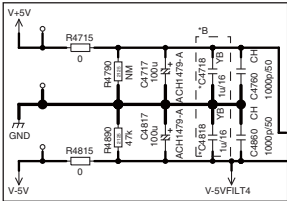
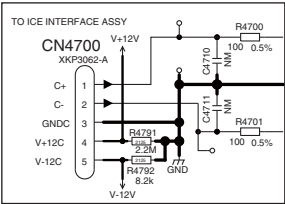
F6/10 F

F6/10 F

A

P

5/5 ICEPOWER AMP ASSY (5/5)
(SC-LX83 : AWH7031)
(SC-LX73 : AWH7033)



P

5/5 F

P

5/5 F

E

F