

# Pioneer

## Service Manual



SC-99

ORDER NO.  
**RRV4617**

AV RECEIVER

# SC-99

# SC-97

# SC-LX89-K

# SC-LX89-S

# SC-LX79-K

# SC-LX79-S

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

Model	Type	Power Requirement	Remarks
SC-99	CUXJ	AC 120V	
SC-97	CUXJ	AC 120V	
SC-LX89-K/-S	SYXJ8	AC 220V to 230V	
SC-LX79-K/-S	SYXJ8	AC 220V to 230V	

**THIS SERVICE MANUAL SHOULD BE USED TOGETHER WITH THE FOLLOWING MANUAL(S).**

Model No.	Order No.	Remarks
SC-99, SC-97, SC-LX89-K/-S, SC-LX79-K/-S	ARP4004	SCHEMATIC DIAGRAM, PCB CONNECTION DIAGRAM



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# 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 contains lead in solder and certain electrical parts contain chemicals which are known to the state of California to cause cancer, 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.

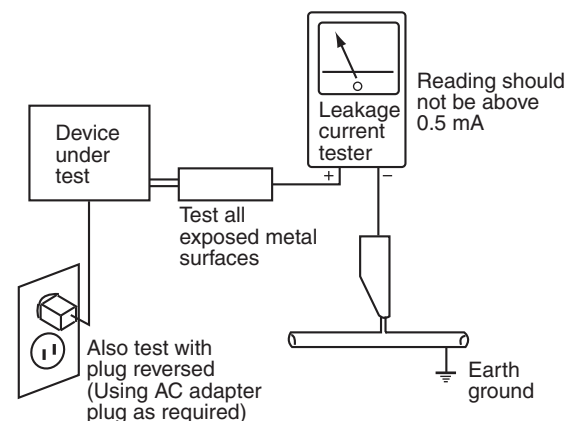
(FOR USA MODEL ONLY)

## 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  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.

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# 1. SERVICE PRECAUTIONS

## 1.1 NOTES ON SOLDERING

- A • For environmental protection, lead-free solder is used on the printed circuit boards mounted in this unit.  
Be sure to use lead-free solder and a soldering iron that can meet specifications for use with lead-free solders for repairs accompanied by reworking of soldering.  
Do NOT use a soldering iron whose tip temperature cannot be controlled.

## 1.2 NOTES ON REPLACING

The part listed below is difficult to replace as a discrete component part.  
When the part listed in the table is defective, replace whole Assy.

ASSY NAME	PCB ASSY Part No.	Ref No.	FUNCTION	Part No.	Remarks		
DIGITAL MAIN ASSY	AWX2013 (SC-99) AWX2017 (SC-97) AWX2014 (SC-LX89) AWX2018 (SC-LX79)	IC451	3CH SW POWER SUPPLY IC	TPS65251RHA-TLB	IC with heat-pad		
		IC1204	VIDEO PROCESSOR IC	88DE2750-K	IC BGA type		
		IC1212	DDR IC	K4T51163QJ-BCE7-K			
		IC1602	HDMI INTERFACE IC	MN864787-K	IC with heat-pad		
		IC1609	HDMI INTERFACE IC	MN864788-K			
		IC9002	DSP IC	CS49844A-K			
		IC9206	APPLE AUTHENTICATION IC	H337S3959-TBB	IC with heat-pad		
		IC9403	POWER SUPPLY IC	MM3543BH-TBB			
		IC9514		MIC94325YMT-TBB			
		IC9515					
		IC9523					
		IC9602				HDMI SW IC	SII9589CTUC-3-K
		IC9703	DSP IC	D808K013DPTP456-K			
		D AMP ASSY	AWH7104 (SC-99) AWH7108 (SC-97) AWH7105 (SC-LX89) AWH7109 (SC-LX79)	JA1601	HDMI Connector	AKP7268-A-K	JACK with Cu-through-hole & SMD type
				JA1602			
				JA1603	LAN Connector	AKN7115-A	JACK with Cu-through-hole & 10 pin
				JA9202			
				JA9601			
				JA9602			
				JA9603			
JA9604							
JA9605							
JA9606							
JA9607							
JA9620							
D AMP ASSY	AWH7104 (SC-99) AWH7108 (SC-97) AWH7105 (SC-LX89) AWH7109 (SC-LX79)	Q4101	FET	IRF6775MPBFS1-TRB	Pins are under the parts side.		
		Q4102					
		Q4201					
		Q4202					
		Q4301					
		Q4302					
		Q4401					
		Q4402					
		Q4501					
		Q4502					
		Q4601					
		Q4602					
		Q4701					
		Q4702					
		Q4801					
		Q4802					
DISPLAY ASSY	AWX2026 (SC-99,SC-97) AWX2027 (SC-LX89,SC-LX79)	IC6001	FLASH BLANK UC IC	R5F100MHFAFA-K	Software is not written.		

## 1.3 CAUTION

### • Discharging

Before starting the diagnosis, wait for three minutes until the electricity of the unit is discharged.

### • Ground Points

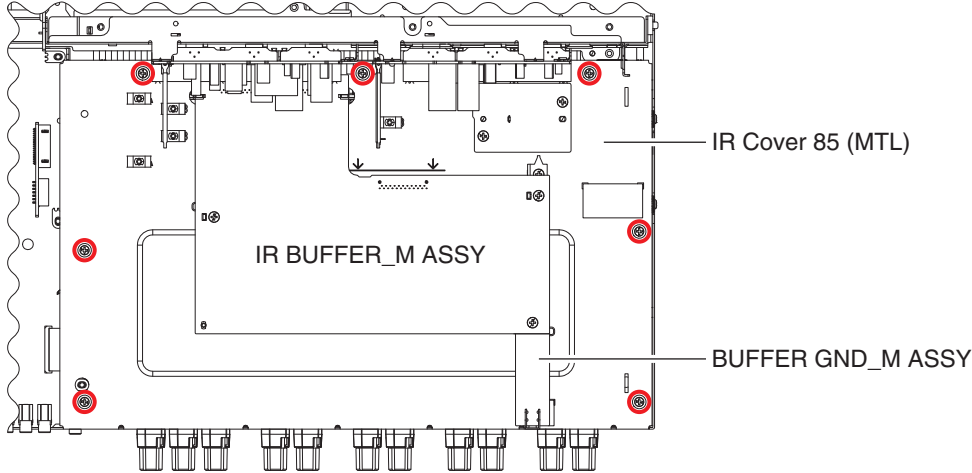
Please refer to "Ground Points".

# 1.4 NOTES ON ASSEMBLING

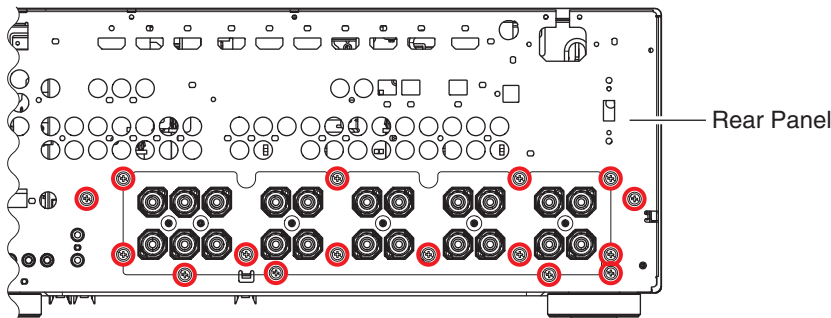
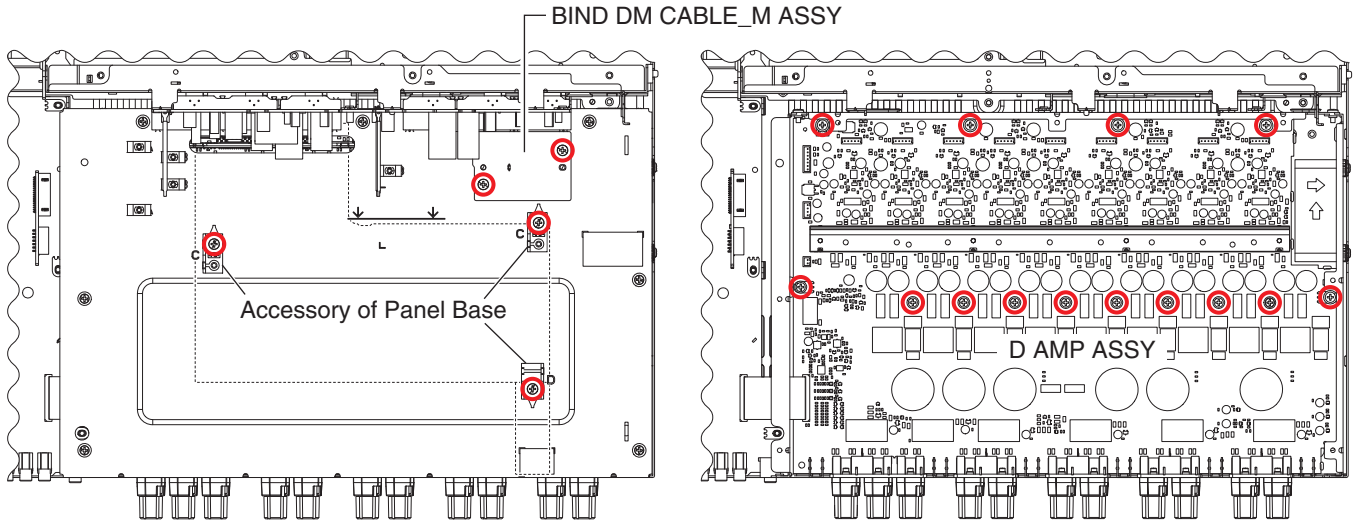
**Note :** The right and left positions for the attachment positioning of digital amplifier block are gradual, however, adjust the front and back positions correctly. For the positioning procedure, refer to "7. DISASSEMBLY".

When assembling the digital amplifier block, please note the following points of screws to prevent from short-circuit.

The following 7 points of screws must always be used AMZ30P060FTC



Points to be watched for swarf



If a screw at any of these points needs to be removed for service, be sure to check that the swarf is not on the screw before refastening.

# 2. SPECIFICATIONS

## 2.1 SC-99, SC-97 SPECIFICATIONS

A

### Amplifier section

Continuous average power output\*

8 Ω ..... 140 W\*\* per channel

6 Ω ..... 200 W (SC-99)\*\*\* / 190 W (SC-97)\*\*\* per channel

\* Measured pursuant to the Federal Trade Commission's Trade Regulation rule on Power Output Claims for Amplifiers

\*\* 1 kHz with no more than 0.08 %\*\*\*\* total harmonic distortion

\*\*\* 1 kHz with no more than 1 %\*\*\*\* total harmonic distortion

\*\*\*\* Measured by Audio Spectrum Analyzer

Multi channel simultaneous power output (1 kHz, 1 %, 8 Ω)

9 ch total ..... 850 W (SC-99)/810 W (SC-97)

Continuous Power Output (1 kHz, 8 Ω, 0.08 %)

Front ..... 140 W + 140 W

Center ..... 140 W

Surround ..... 140 W + 140 W

Surround back ..... 140 W + 140 W

Top middle/Extra 1 ..... 140 W + 140 W

B

Continuous Power Output (1 kHz, 6 Ω, 1.0 %)

Front ..... 200 W + 200 W (SC-99)/190 W + 190 W (SC-97)

Center ..... 200 W (SC-99)/190 W (SC-97)

Surround ..... 200 W + 200 W (SC-99)/190 W + 190 W (SC-97)

Surround back ..... 200 W + 200 W (SC-99)/190 W + 190 W (SC-97)

Top middle/Extra 1 ..... 200 W + 200 W (SC-99)/190 W + 190 W (SC-97)

C

Continuous Power Output (1 kHz, 4 Ω, 1.0 %)

Front ..... 255 W + 255 W (SC-99)/240 W + 240 W (SC-97)

Center ..... 255 W (SC-99)/240 W (SC-97)

Surround ..... 255 W + 255 W (SC-99)/240 W + 240 W (SC-97)

Surround back ..... 255 W + 255 W (SC-99)/240 W + 240 W (SC-97)

Top middle/Extra 1 ..... 255 W + 255 W (SC-99)/240 W + 240 W (SC-97)

D

Total harmonic distortion ..... 0.04 % (1 kHz, 130 W + 130 W, 8 Ω)

Guaranteed speaker impedance ..... 4 Ω to 16 Ω

### Audio Section

Input (Sensitivity/Impedance)

PHONO MM ..... 5 mV/47 kΩ

LINE ..... 400 mV/47 kΩ

Output (Level/Impedance)

REC ..... 400 mV/2.2 kΩ

Signal-to-Noise Ratio (IHF, short circuited, A network)

LINE ..... 103 dB

E

### Tuner Section

Frequency Range (FM) ..... 87.5 MHz to 108 MHz

Antenna Input (FM) ..... 75 Ω unbalanced

Frequency Range (AM) ..... 530 kHz to 1 700 kHz

Antenna (AM) ..... Loop antenna (balanced)

### Video Section

Signal level

Composite Video ..... 1 Vp-p (75 Ω)

Component Video ..... Y: 1.0 Vp-p (75 Ω), PB/PR: 0.7 Vp-p (75 Ω)

Corresponding maximum resolution

Component Video ..... 1080i (1125i)

### Bluetooth Section

Version ..... Bluetooth Specification Ver. 2.1 + EDR

Output ..... Bluetooth Specification Class 2

Estimated line-of-sight transmission distance\* ..... About 10 m

\*The line-of-sight transmission distance is an estimate. Actual transmission distances supported may differ

depending on surrounding conditions.

Frequency range ..... 2.4 GHz

Supported Bluetooth profiles ..... A2DP, AVRCP

Supported Codec ..... SBC (Subband Codec), AAC

F

### Digital In/Out Section

HDMI terminal ..... 19-pin (Not DVI)

HDMI output type ..... 5 V, 55 mA

HDMI input/MHL terminal ..... 5 V, 900 mA

USB terminal ..... USB2.0 High Speed (Type A) 5 V, 1 A

USB terminal (SC-99 only) ..... USB2.0 High Speed (Type B)

iPod terminal ..... USB

## Digital In/Out Section

HDMI terminal .....	19-pin (Not DVI)
HDMI output type .....	5 V, 55 mA
HDMI input/MHL terminal .....	5 V, 900 mA
USB terminal .....	USB2.0 High Speed (Type A) 5 V, 1 A
USB terminal (SC-99 only).....	USB2.0 High Speed (Type B)
iPod terminal .....	USB

## Integrated Control Section

Control (IR) terminal .....	ø 3.5 Mini-jack (MONO)
IR signal .....	High Active (High Level: 2.0 V)
12 V Trigger terminal.....	ø 3.5 Mini-jack (MONO)
12 V Trigger output type.....	12 V, Total 150 mA
RS-232C cable type.....	9-pin, cross type, female-female

## Network Section (Wired)

LAN terminal .....	10 BASE-T/100 BASE-TX
--------------------	-----------------------

## Network Section (Wireless)

WLAN standards.....	IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n
Frequency band	
2.4GHz band (2.412GHz to 2.462GHz).....	Channel1 to Channel11
5GHz band (5.180GHz to 5.240GHz, 5.745GHz to 5.825GHz)	
.....	Channel36 to Channel48, Channel149 to Channel165
Security .....	Disabled (no encryption)
WEP (Key length: 64 bit/128 bit, Key format: ASCII/Hex)	
WPA2 Mixed (WPA/WPA2, Encryption method: TKIP/AES, Recognition method: PSK)	

## Miscellaneous

Power requirements.....	AC 120 V, 60 Hz
Power consumption.....	370 W
In standby.....	0.1 W
In standby (HDMI control on).....	0.3 W
In standby (Network standby on).....	2.7 W
In standby (Network standby on, wireless LAN connected).....	3.0 W
In standby (HDMI control on, Network standby on).....	2.7 W
In standby (HDMI control on, Network standby on, wireless LAN connected).....	3.0 W
Auto power down.....	15 min, 30 min, 60 min, off (default)
Dimensions .....	435 mm (W) x 185 mm (H) x 441 mm (D)
.....	(17.13 in. (W) x 7.28 in. (H) x 17.36 in. (D))
Weight (without package)	
SC-99.....	17.6 kg (38.8 lb)
SC-97.....	17.5 kg (38.6 lb)

## Number of Furnished Parts

MCACC Setup microphone.....	1
Remote control unit.....	1
AAA size IEC R03 dry cell batteries.....	2
AM loop antenna.....	1
FM wire antenna.....	1
Power cord	
CD-ROM	
Quick start guide	
Safety Brochure	
Warranty sheet	



## Notes

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## 2.2 SC-LX89, SC-LX79 SPECIFICATIONS

### Amplifier section

Multi channel simultaneous power output (1 kHz, 1 %, 8 Ω)	
9 ch total.....	850 W (SC-LX89)/810 W (SC-LX79)
Rated power output (1 kHz, 4 Ω, 1 %, 1 ch Driven).....	260 W (SC-LX89)/250 W (SC-LX79) per channel
Rated power output (1 kHz, 6 Ω, 1 %, 1 ch Driven).....	220 W (SC-LX89)/210 W (SC-LX79) per channel
For Oceania model: Maximum power output (1 kHz, 4 Ω, 10 %, 1 ch Driven)	
.....	370 W (SC-LX89)/350 W (SC-LX79) per channel
Total harmonic distortion.....	0.04 % (1 kHz, 130 W + 130 W, 8 Ω)
Guaranteed speaker impedance.....	4 Ω to 16 Ω

### Audio Section

Input (Sensitivity/Impedance)	
PHONO MM.....	5 mV/47 kΩ
LINE.....	400 mV/47 kΩ
Output (Level/Impedance)	
REC.....	400 mV/2.2 kΩ
Signal-to-Noise Ratio (IHF, short circuited, A network)	
LINE.....	103 dB

### Tuner Section

Frequency Range (FM).....	87.5 MHz to 108 MHz
Antenna Input (FM).....	75 Ω unbalanced
Frequency Range (AM).....	531 kHz to 1 602 kHz
Antenna (AM).....	Loop antenna (balanced)

### Video Section

Signal level	
Composite Video.....	1 Vp-p (75 Ω)
Component Video.....	Y: 1.0 Vp-p (75 Ω), PB/PR: 0.7 Vp-p (75 Ω)
Corresponding maximum resolution	
Component Video.....	1080i (1125i)

### Bluetooth Section

Version.....	Bluetooth Specification Ver. 2.1 + EDR
Output.....	Bluetooth Specification Class 2
Estimated line-of-sight transmission distance* .....	About 10 m
*The line-of-sight transmission distance is an estimate. Actual transmission distances supported may differ depending on surrounding conditions.	

Frequency range.....	2.4 GHz
Supported Bluetooth profiles .....	A2DP, AVRCP
Supported Codec.....	SBC (Subband Codec), AAC

### Digital In/Out Section

HDMI terminal.....	19-pin (Not DVI)
HDMI output type.....	5 V, 55 mA
HDMI input/MHL terminal .....	5 V, 900 mA
USB terminal.....	USB2.0 High Speed (Type A) 5 V, 1 A
USB terminal (SC-LX89 only).....	USB2.0 High Speed (Type B)
iPod terminal.....	USB

### Integrated Control Section

Control (IR) terminal.....	ø 3.5 Mini-jack (MONO)
IR signal.....	High Active (High Level: 2.0 V)
12 V Trigger terminal.....	ø 3.5 Mini-jack (MONO)
12 V Trigger output type.....	12 V, Total 150 mA
RS-232C cable type.....	9-pin, cross type, female-female

### Network Section (Wired)

LAN terminal .....	10 BASE-T/100 BASE-TX
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### Network Section (Wireless)

WLAN standards.....	IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n
Frequency band	
2.4 GHz band (2.412GHz to 2.472GHz).....	Channel 1 to Channel 13
5 GHz band (5.180GHz to 5.240GHz).....	Channel 36 to Channel 48
Security.....	Disabled (no encryption)
	WEP (Key length: 64 bit/128 bit, Key format: ASCII/Hex)
	WPA2 Mixed (WPA/WPA2, Encryption method: TKIP/AES, Recognition method: PSK)



**Miscellaneous**

Power requirements.....	AC 220 V to 230 V, 50 Hz/60 Hz
Power consumption.....	370 W
In standby.....	0.1 W
In standby (HDMI control on).....	0.3 W
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In standby (HDMI control on, Network standby on, wireless LAN connected).....	3.0 W
Auto power down.....	15 min (default), 30 min, 60 min, off
Dimensions.....	435 mm (W) x 185 mm (H) x 441 mm (D)
Weight (without package)	
SC-LX89.....	18.1 kg
SC-LX79.....	17.7 kg

**Number of Furnished Parts**

MCACC Setup microphone.....	1
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AAA size IEC R03 dry cell batteries.....	2
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FM wire antenna.....	1
Wireless antenna.....	2
Power cord	
CD-ROM	
Quick start guide	
Safety Brochure	
Warranty sheet	

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## 3. BASIC ITEMS FOR SERVICE

### 3.1 CHECK POINTS AFTER SERVICING

#### A Items to be checked after servicing

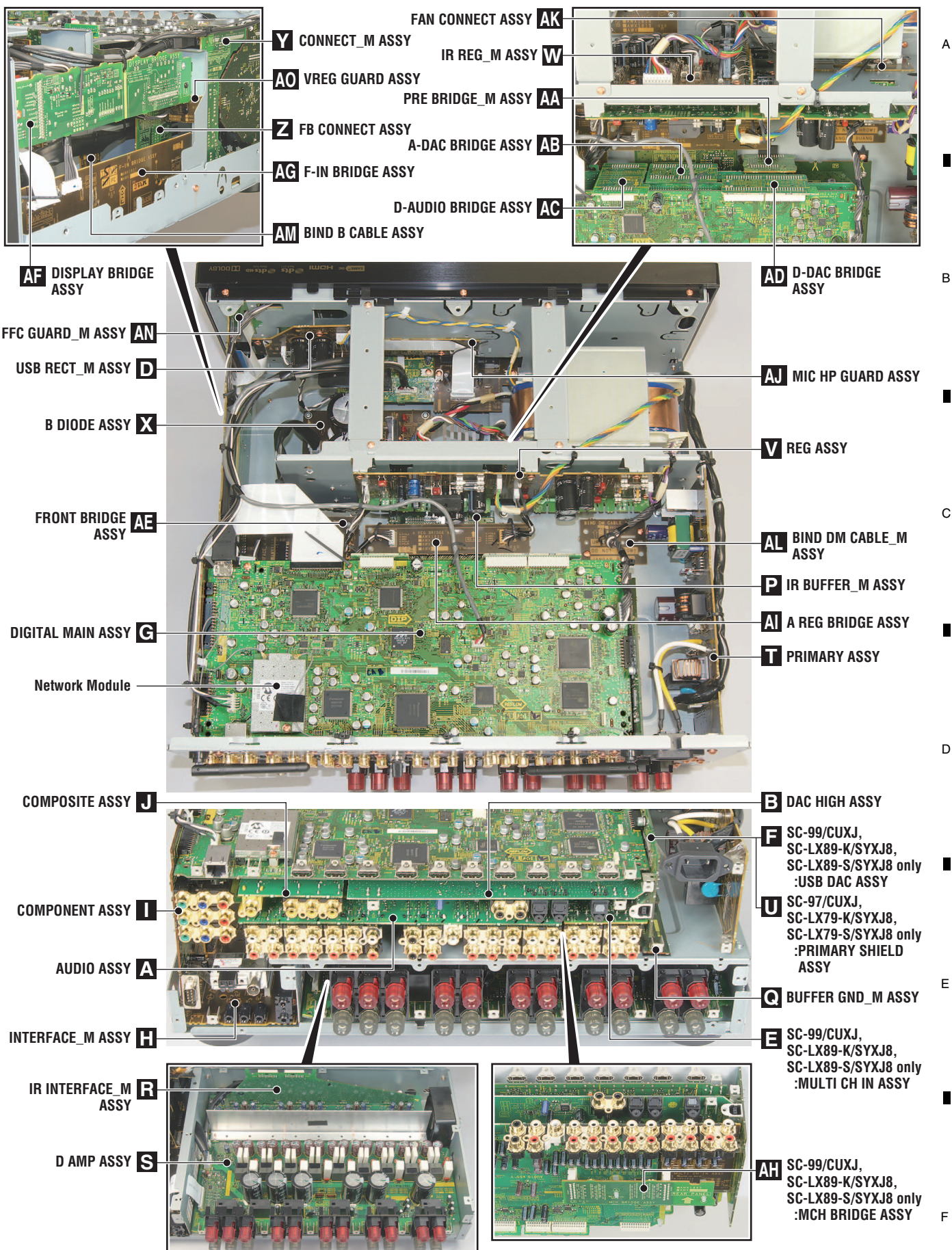
To keep the product quality after servicing, confirm recommended check points shown below.

No.	Procedures	Check points
1	Check the firmware version.	The firmware version must be the latest one. If it is not the latest one, be sure to update it.
2	Confirm whether the customer complain has been solved. If the customer complain occurs with the particular source, such as Dolby Digital, DTS, AAC and HDMI, input it for the operation check.	The customer complain must not be reappeared. Video, Audio and operations must be normal.
3	Check the analog audio playback. (Make the analog connections with a CD/DVD/BD player.)	Each channel audio and operations must be normal.
4	Check the HDMI digital audio playback. (Make the digital connections with a BD player.)	Each channel audio and operations must be normal.
5	Check a supported music file playback (e.g. wav, flac, mp3, etc). (Make the connections with a USB memory or an iOS device)	Audio and operations including OSD output must be normal.
6	Check the surround playback. (Select Surround mode and check the multichannel operations via the DSP circuit.)	Each channel audio and operations must be normal.
7	Check the video outputs. (Connect with a BD player.)	Video and operations must be normal.
8	Check the tuner (AM and FM) operations.	Audio and operations must be normal.
9	Check the sound from headphone output.	Sound must be normal, without noise.
10	Check the appearance of the product.	No scratches or dirt on its appearance after receiving it for service.

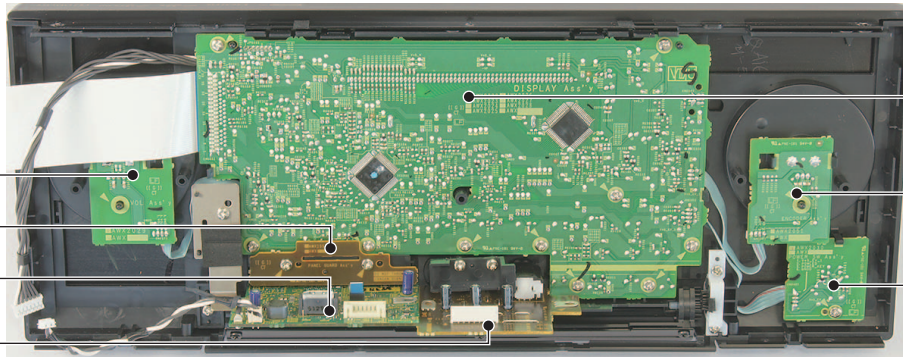
See the table below for the items to be checked regarding video and audio.

Item to be checked regarding video	Item to be checked regarding audio
Block noise	Distortion
Horizontal noise	Noise
Flicker	Volume too low
Disturbed image (video jumpiness)	Volume too high
Too dark	Volume fluctuating
Too bright	Sound interrupted
Mottled color	

## 3.2 PCB LOCATIONS



A



**L** DISPLAY ASSY

**O** ENCODER ASSY

**N** POWER SW ASSY

**M** VOL ASSY

**AP** PANEL GUARD ASSY

**C** FRONT HDMI USB ASSY

**K** MIC HP ASSY

**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.

B

Mark No.	Description	Part No.	Mark No.	Description	Part No.
<b>LIST OF ASSEMBLIES</b>					
■	1...D AMP ASSY (SC-99)	AWH7104	NSP	1...PRIM DISPLAY ASSY (SC-LX89/SC-LX79)	AWM8418
				2..MIC HP ASSY	AWX2049
	1...D AMP ASSY (SC-97)	AWH7108		2..DISPLAY ASSY	AWX2027
				2..VOL ASSY	AWX2029
	1...D AMP ASSY (SC-LX89)	AWH7105		2..POWER SW ASSY	AWX2030
				2..PRIMARY ASSY	AWX2039
	1...D AMP ASSY (SC-LX79)	AWH7109		2..ENCODER ASSY	AWX2051
				2..MIC HP GUARD ASSY	AWX2052
C	NSP 1...AUDIO COMPOSITE_H ASSY (SC-99)	AWR7288	NSP	2..FAN CONNECT ASSY	AWX2055
	2..AUDIO ASSY	AWX2076	NSP	2..VREG GUARD ASSY	AWX2053
	2..COMPOSITE ASSY	AWX2085	NSP	2..PANEL GUARD ASSY	AWX2054
	2..D-AUDIO BRIDGE ASSY	AWX2196			
	2..D-DAC BRIDGE ASSY	AWX2197	NSP	1...IR BUFFER_M ASSY (SC-99/SC-97)	AWM8423
	2..A-DAC BRIDGE ASSY	AWX2198		2..IR BUFFER_M ASSY	AWX2093
■	NSP 1...AUDIO COMPOSITE_H ASSY (SC-97)	AWR7292		2..BUFFER GND_M ASSY	AWX1783
	2..AUDIO ASSY	AWX2080	NSP	1...IR BUFFER_M ASSY (SC-LX89)	AWM8424
	2..COMPOSITE ASSY	AWX2086		2..IR BUFFER_M ASSY	AWX2094
	2..D-AUDIO BRIDGE ASSY	AWX2196		2..BUFFER GND_M ASSY	AWX1783
	2..D-DAC BRIDGE ASSY	AWX2197	NSP	1...IR BUFFER_M ASSY (SC-LX79)	AWM8426
	2..A-DAC BRIDGE ASSY	AWX2198		2..IR BUFFER_M ASSY	AWX2096
D	NSP 1...AUDIO COMPOSITE_H ASSY (SC-LX89)	AWR7289		2..BUFFER GND_M ASSY	AWX1783
	2..AUDIO ASSY	AWX2077	NSP	1...INTERFACE REG_M ASSY (SC-99)	AWR7296
	2..COMPOSITE ASSY	AWX2085		2..INTERFACE_M ASSY	AWX2120
	2..D-AUDIO BRIDGE ASSY	AWX2196		2..IR REG_M ASSY	AWX2124
	2..D-DAC BRIDGE ASSY	AWX2197		2..B DIODE ASSY	AWX2130
	2..A-DAC BRIDGE ASSY	AWX2198		2..PRE BRIDGE_M ASSY	AWX1822
■	NSP 1...AUDIO COMPOSITE_H ASSY (SC-LX79)	AWR7293		2..A REG BRIDGE ASSY	AWX2132
	2..AUDIO ASSY	AWX2081	NSP	2..FFC GUARD_M ASSY	AWX1821
	2..COMPOSITE ASSY	AWX2086	NSP	2..BIND B CABLE ASSY	AWX1826
	2..D-AUDIO BRIDGE ASSY	AWX2196	NSP	1...INTERFACE REG_M ASSY (SC-97)	AWR7299
	2..D-DAC BRIDGE ASSY	AWX2197		2..INTERFACE_M ASSY	AWX2120
	2..A-DAC BRIDGE ASSY	AWX2198		2..IR REG_M ASSY	AWX2127
E	NSP 1...PRIM DISPLAY ASSY (SC-99/SC-97)	AWM8417		2..B DIODE ASSY	AWX2130
	2..MIC HP ASSY	AWX2048		2..PRIMARY SHIELD ASSY	AWX1820
	2..DISPLAY ASSY	AWX2026		2..PRE BRIDGE_M ASSY	AWX1822
	2..VOL ASSY	AWX2029		2..A REG BRIDGE ASSY	AWX2132
	2..POWER SW ASSY	AWX2030	NSP	2..FFC GUARD_M ASSY	AWX1821
	2..PRIMARY ASSY	AWX2038	NSP	2..BIND B CABLE ASSY	AWX1826
	2..ENCODER ASSY	AWX2051	NSP	1...INTERFACE REG_M ASSY (SC-LX89)	AWR7297
	2..MIC HP GUARD ASSY	AWX2052		2..INTERFACE_M ASSY	AWX2121
	2..FAN CONNECT ASSY	AWX2055		2..IR REG_M ASSY	AWX2125
■	NSP 2..VREG GUARD ASSY	AWX2053		2..B DIODE ASSY	AWX2131
NSP	2..PANEL GUARD ASSY	AWX2054		2..PRE BRIDGE_M ASSY	AWX1822
				2..A REG BRIDGE ASSY	AWX2133
			NSP	2..FFC GUARD_M ASSY	AWX1821
			NSP	2..BIND B CABLE ASSY	AWX1826

F

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
NSP	1...	INTERFACE REG_M ASSY (SC-LX79)	AWR7300	1...	DIGITAL MAIN ASSY (SC-99)	AWX2013	
	2..	INTERFACE_M ASSY	AWX2121	2..	NETWORK MODULE	AXX7293	
	2..	IR REG_M ASSY	AWX2128				
	2..	B DIODE ASSY	AWX2131	1...	DIGITAL MAIN ASSY (SC-97)	AWX2017	A
	2..	PRIMARY SHIELD ASSY	AWX1820	2..	NETWORK MODULE	AXX7293	
	2..	PRE BRIDGE_M ASSY	AWX1822				
	2..	A REG BRIDGE ASSY	AWX2133	1...	DIGITAL MAIN ASSY (SC-LX89)	AWX2014	
NSP	2..	FFC GUARD_M ASSY	AWX1821	2..	NETWORK MODULE	AXX7293	
NSP	2..	BIND B CABLE ASSY	AWX1826				
NSP	1...	REG BRIDGE ASSY (SC-99)	AWR7306	1...	DIGITAL MAIN ASSY (SC-LX79)	AWX2018	
	2..	REG ASSY	AWX2149	2..	NETWORK MODULE	AXX7293	
	2..	FRONT BRIDGE ASSY	AWX1833	1...	FRONT HDMI USB ASSY (SC-99/SC-97)	AWX2115	
	2..	DISPLAY BRIDGE ASSY	AWX2155	1...	FRONT HDMI USB ASSY (SC-LX89)	AWX2116	
	2..	F-IN BRIDGE ASSY	AWX2158	1...	FRONT HDMI USB ASSY (SC-LX79)	AWX2118	
	2..	MULTI CH IN ASSY	AWX2159	1...	USB DAC ASSY (SC-99)	AWX2056	B
	2..	MCH BRIDGE ASSY	AWX1840	1...	USB DAC ASSY (SC-LX89)	AWX2057	
	2..	FB CONNECT ASSY	AWX1841				
	2..	CONNECT_M ASSY	AWX2162				
	2..	USB RECT_M ASSY	AWX2165				
	2..	BIND DM CABLE_M ASSY	AWX1846				
NSP	1...	REG BRIDGE ASSY (SC-97)	AWR7309				
	2..	REG ASSY	AWX2152				
	2..	FRONT BRIDGE ASSY	AWX1833				
	2..	DISPLAY BRIDGE ASSY	AWX2155				
	2..	F-IN BRIDGE ASSY	AWX2158				
	2..	FB CONNECT ASSY	AWX1841				
	2..	CONNECT_M ASSY	AWX2162				
	2..	USB RECT_M ASSY	AWX2165				
	2..	BIND DM CABLE_M ASSY	AWX1846				
NSP	1...	REG BRIDGE ASSY (SC-LX89)	AWR7307				C
	2..	REG ASSY	AWX2150				
	2..	FRONT BRIDGE ASSY	AWX1833				
	2..	DISPLAY BRIDGE ASSY	AWX2156				
	2..	F-IN BRIDGE ASSY	AWX2158				
	2..	MULTI CH IN ASSY	AWX2160				
	2..	MCH BRIDGE ASSY	AWX1840				
	2..	FB CONNECT ASSY	AWX1841				
	2..	CONNECT_M ASSY	AWX2163				
	2..	USB RECT_M ASSY	AWX2166				
	2..	BIND DM CABLE_M ASSY	AWX1846				
NSP	1...	REG BRIDGE ASSY (SC-LX79)	AWR7310				D
	2..	REG ASSY	AWX2153				
	2..	FRONT BRIDGE ASSY	AWX1833				
	2..	DISPLAY BRIDGE ASSY	AWX2156				
	2..	F-IN BRIDGE ASSY	AWX2158				
	2..	FB CONNECT ASSY	AWX1841				
	2..	CONNECT_M ASSY	AWX2163				
	2..	USB RECT_M ASSY	AWX2166				
	2..	BIND DM CABLE_M ASSY	AWX1846				
	1...	IR INTERFACE_M ASSY	AWX1776				
	1...	DAC HIGH ASSY (SC-99)	AWX2063				
	1...	DAC HIGH ASSY (SC-97)	AWX2067				
	1...	DAC HIGH ASSY (SC-LX89)	AWX2064				
	1...	DAC HIGH ASSY (SC-LX79)	AWX2068				E
	1...	COMPONENT ASSY (SC-99)	AWX2105				
	1...	COMPONENT ASSY (SC-97)	AWX2108				
	1...	COMPONENT ASSY (SC-LX89)	AWX2106				
	1...	COMPONENT ASSY (SC-LX79)	AWX2109				

### 3.3 JIGS LIST

#### [1] Jigs List

Name	Jig No.	Remarks
15P FFC extension jig cable	GGD1680	Diagnosis for AUDIO ASSY, D AMP ASSY
29P board to board extension jig cable	GGD1856	Diagnosis for AUDIO ASSY, D AMP ASSY, DIGITAL MAIN ASSY(side-B), DAC HIGH ASSY, USB DAC ASSY
5P board to board extension jig cable	GGD1857	Diagnosis for AUDIO ASSY, D AMP ASSY, DIGITAL MAIN ASSY(side-B), DAC HIGH ASSY, USB DAC ASSY
24P board to board extension jig cable x 2	GGD1871	Diagnosis for AUDIO ASSY, D AMP ASSY, DIGITAL MAIN ASSY(side-B), DAC HIGH ASSY, USB DAC ASSY
5P PH Housing ASSY extension jig cable	GGD1594	Diagnosis for AUDIO ASSY, D AMP ASSY
23P board to board extension jig cable	GGD1875	Diagnosis for DIGITAL MAIN ASSY(side-B), DAC HIGH ASSY, USB DAC ASSY
30P + 30P board to board extension jig cable	GGD1682	Diagnosis for DIGITAL MAIN ASSY(side-B), DAC HIGH ASSY, USB DAC ASSY
28P board to board extension jig cable	GGD1867	Diagnosis for DIGITAL MAIN ASSY(side-B), DAC HIGH ASSY, USB DAC ASSY
20P board to board extension jig cable	GGD1868	Diagnosis for DIGITAL MAIN ASSY(side-B), DAC HIGH ASSY, USB DAC ASSY

#### [2] Lubricants and Glues List

Name	Lubricants and Glues No.	Remarks
Silicone Grease	GYA1001	Refer to "9.5 FRONT SECTION"

#### [3] Cleaning

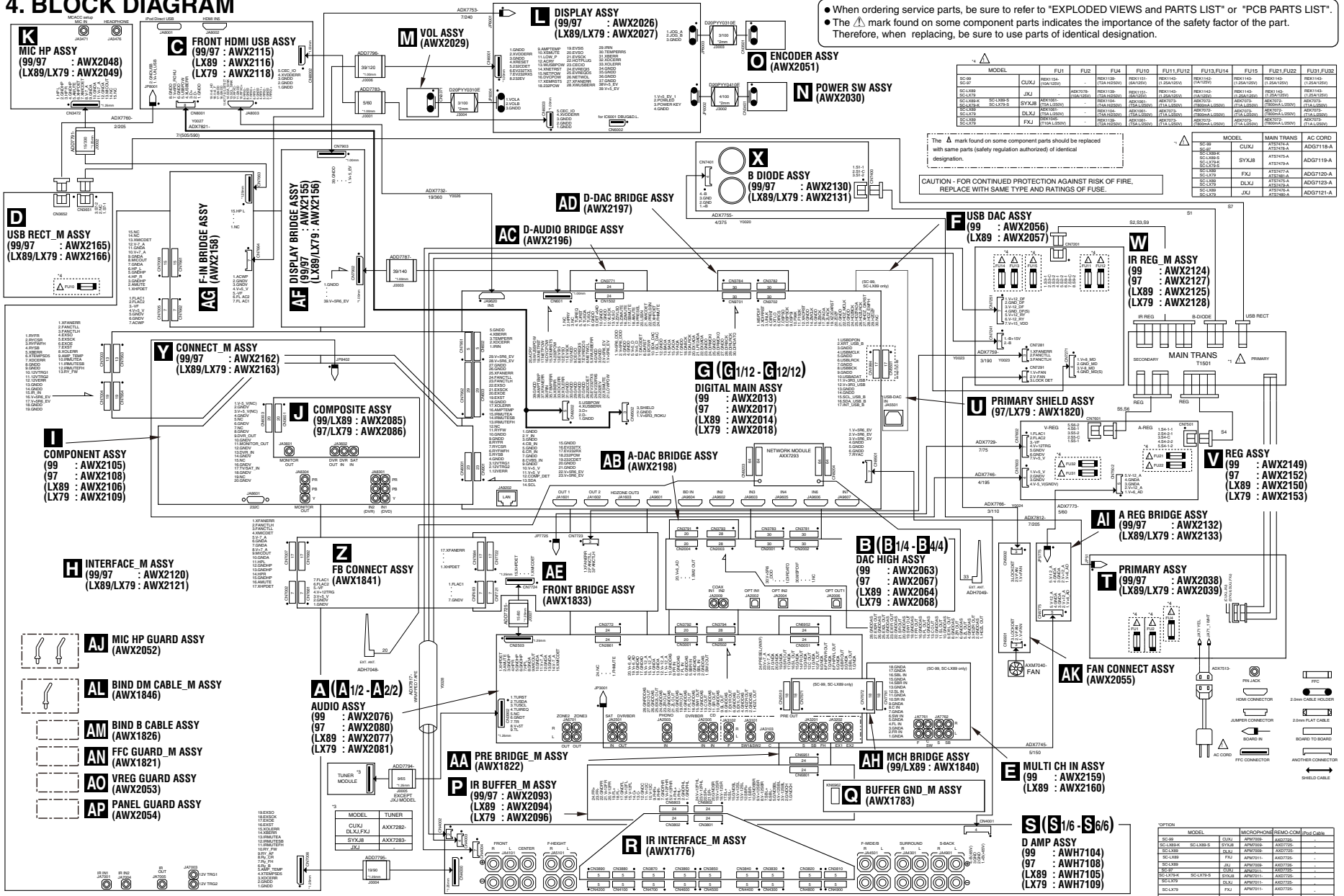


Before shipping out the product, be sure to clean the following positions by using the prescribed cleaning tools.

Position to be cleaned	Name	Part No.	Remarks
Fan	Cleaning paper	GED-008	Refer to "9.4 CHASSIS SECTION"

# 4.1 OVERALL WIRING DIAGRAM

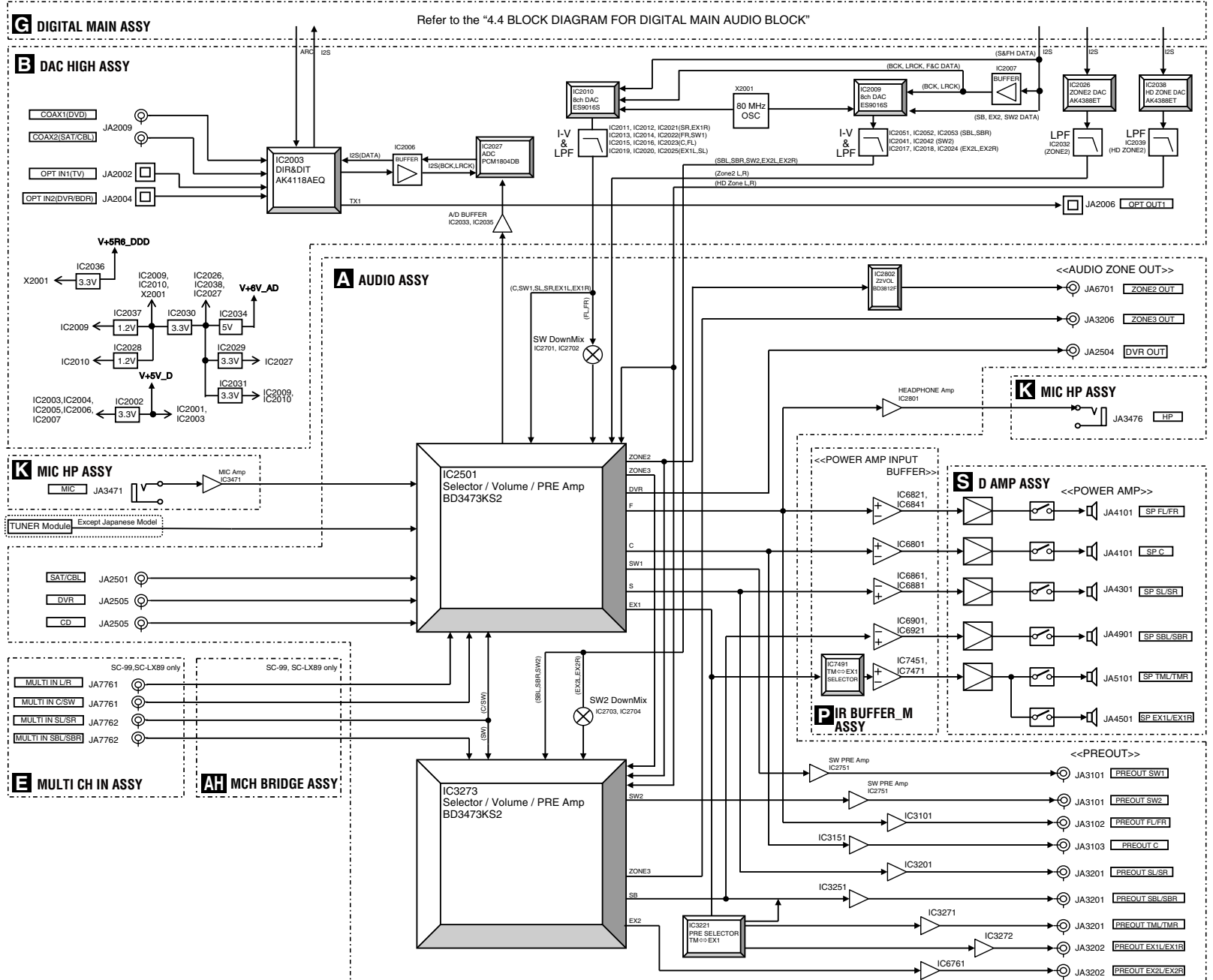
## 4. BLOCK DIAGRAM



OPTION	MODEL	MICROPHONE	REMO. COM.	Full Chn.
SC99	CUJQ	APN705	ADN705	-
SC130	SC-L30S	EPJ08	ADN705	-
SC138	LAJL	APN705	ADN705	-
SC139	FKJ	APN705	ADN705	-
SC140	JU	APN705	ADN705	-
SC141	LAJL	APN705	ADN705	-
SC142	LAJL	APN705	ADN705	-
SC143	LAJL	APN705	ADN705	-
SC144	LAJL	APN705	ADN705	-
SC145	LAJL	APN705	ADN705	-
SC146	LAJL	APN705	ADN705	-
SC147	LAJL	APN705	ADN705	-
SC148	LAJL	APN705	ADN705	-
SC149	LAJL	APN705	ADN705	-
SC150	LAJL	APN705	ADN705	-
SC151	LAJL	APN705	ADN705	-
SC152	LAJL	APN705	ADN705	-
SC153	LAJL	APN705	ADN705	-
SC154	LAJL	APN705	ADN705	-
SC155	LAJL	APN705	ADN705	-
SC156	LAJL	APN705	ADN705	-
SC157	LAJL	APN705	ADN705	-
SC158	LAJL	APN705	ADN705	-
SC159	LAJL	APN705	ADN705	-
SC160	LAJL	APN705	ADN705	-

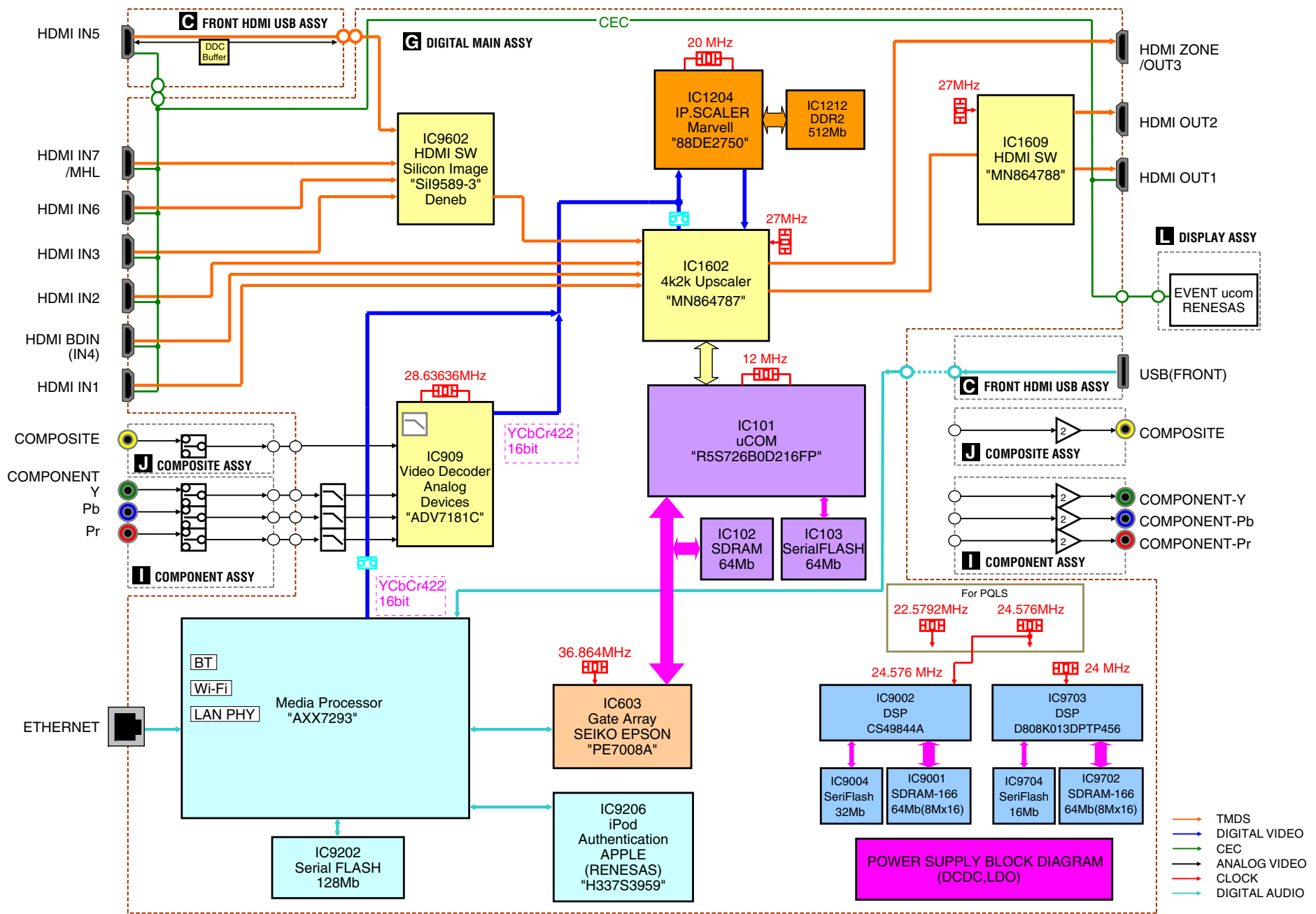
SC-99

# 4.2 BLOCK DIAGRAM FOR AUDIO BLOCK



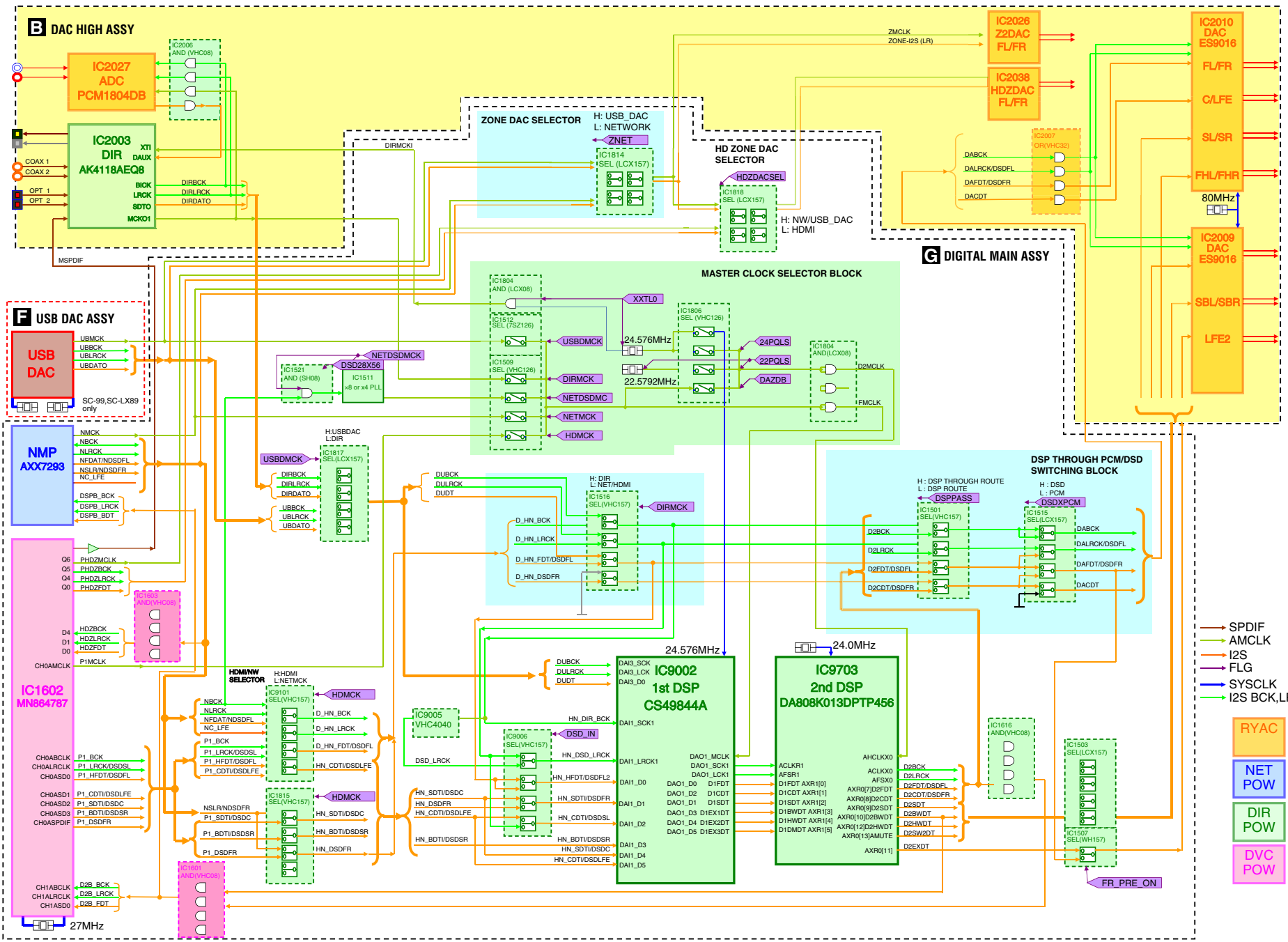


# 4.3 BLOCK DIAGRAM FOR DIGITAL MAIN VIDEO BLOCK



SC-99

# 4.4 BLOCK DIAGRAM FOR DIGITAL MAIN AUDIO BLOCK



18

1

2

SC-99

3

4

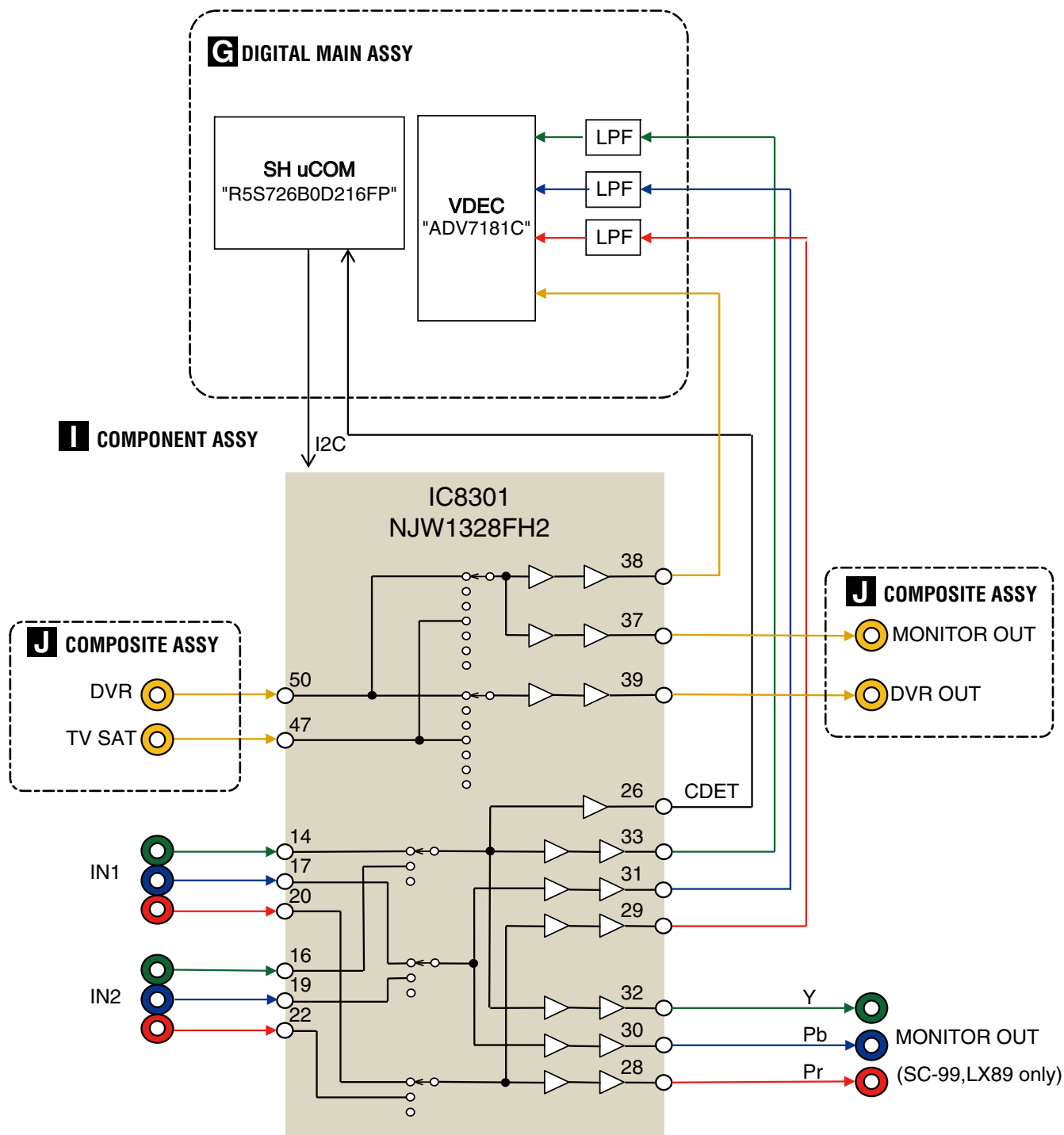
1

2

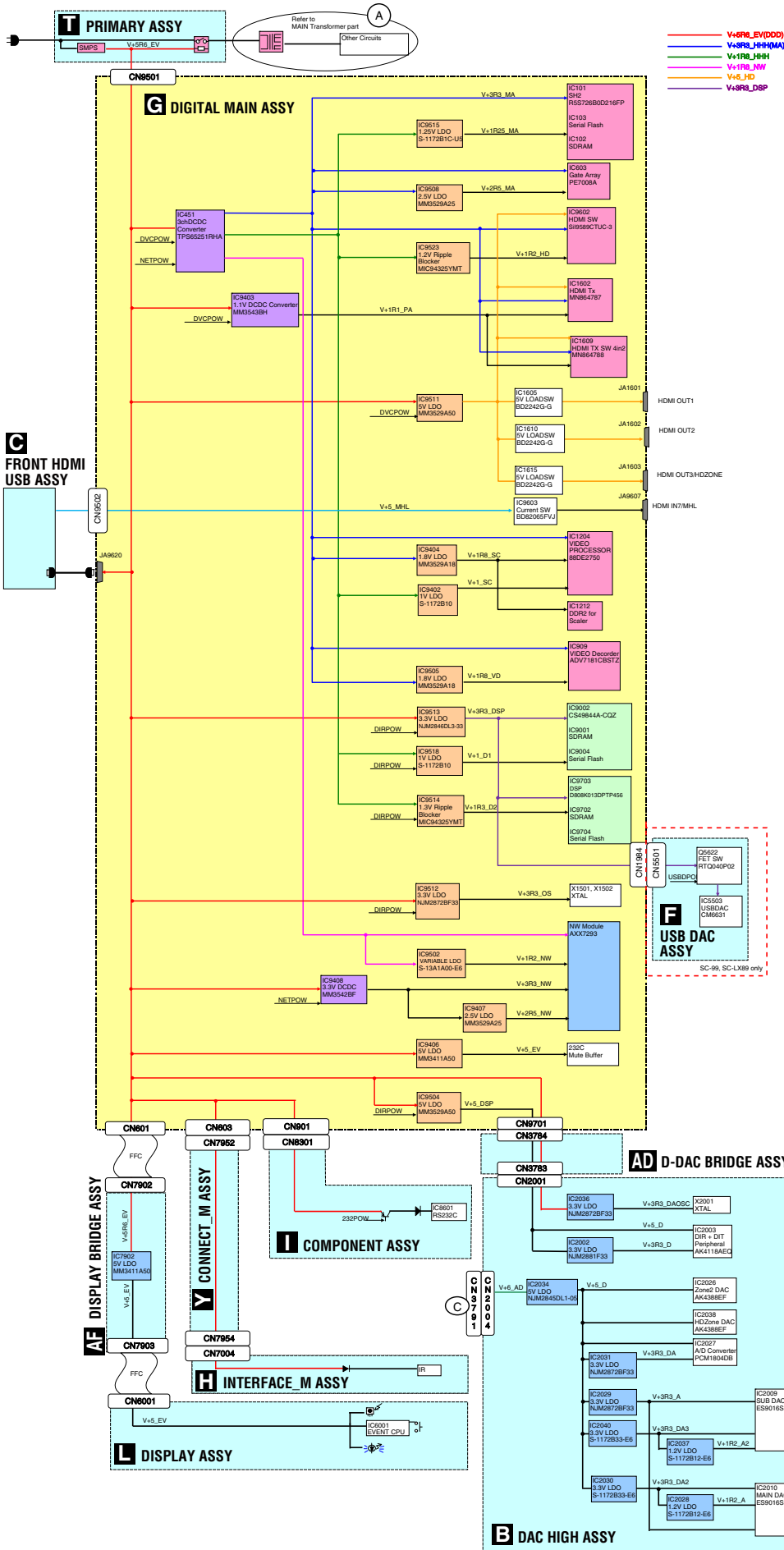
3

4

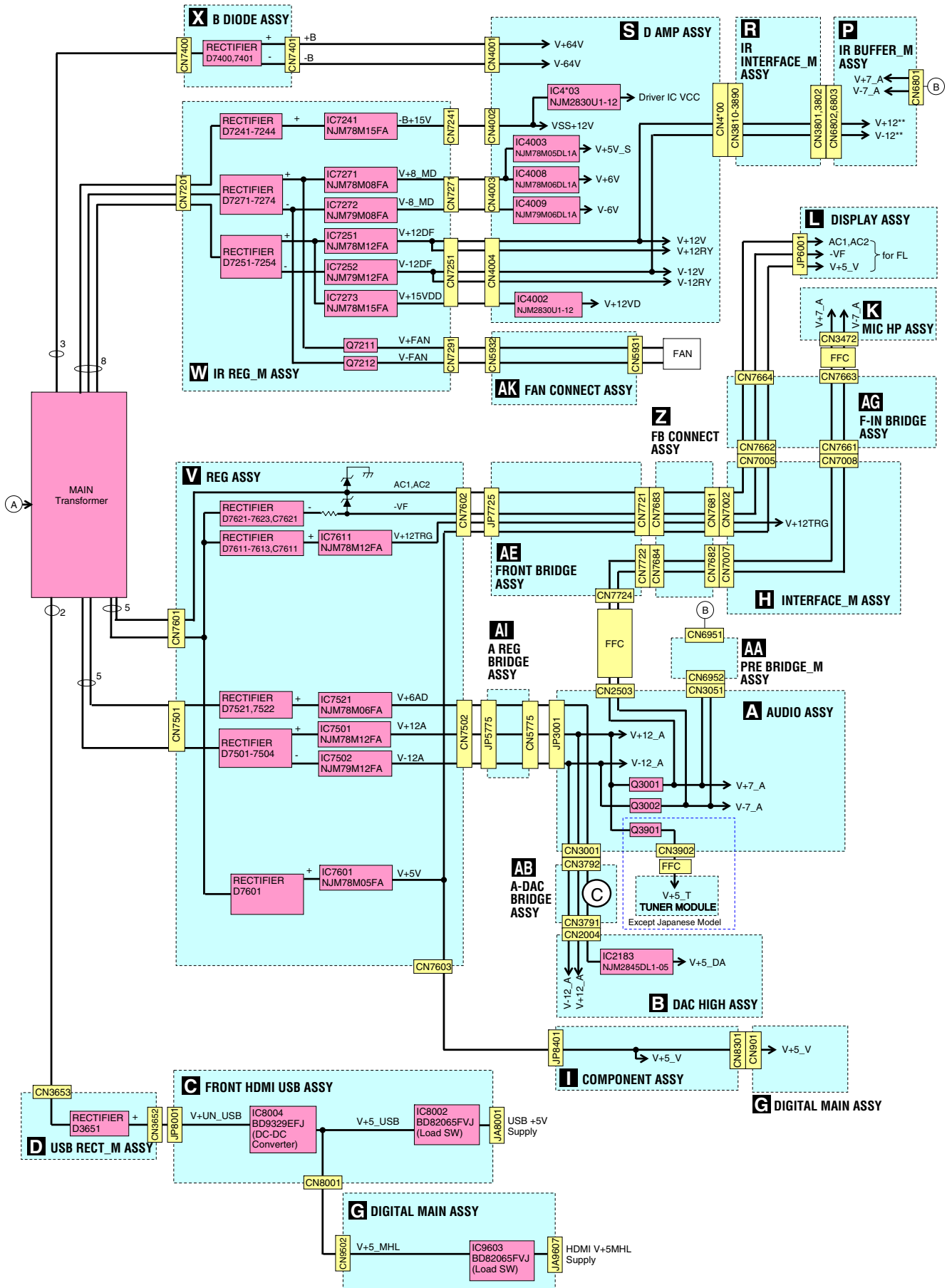
# 4.5 BLOCK DIAGRAM FOR VIDEO BLOCK



# 4.6 BLOCK DIAGRAM FOR POWER BLOCK (1)



# 4.7 BLOCK DIAGRAM FOR POWER BLOCK (2)



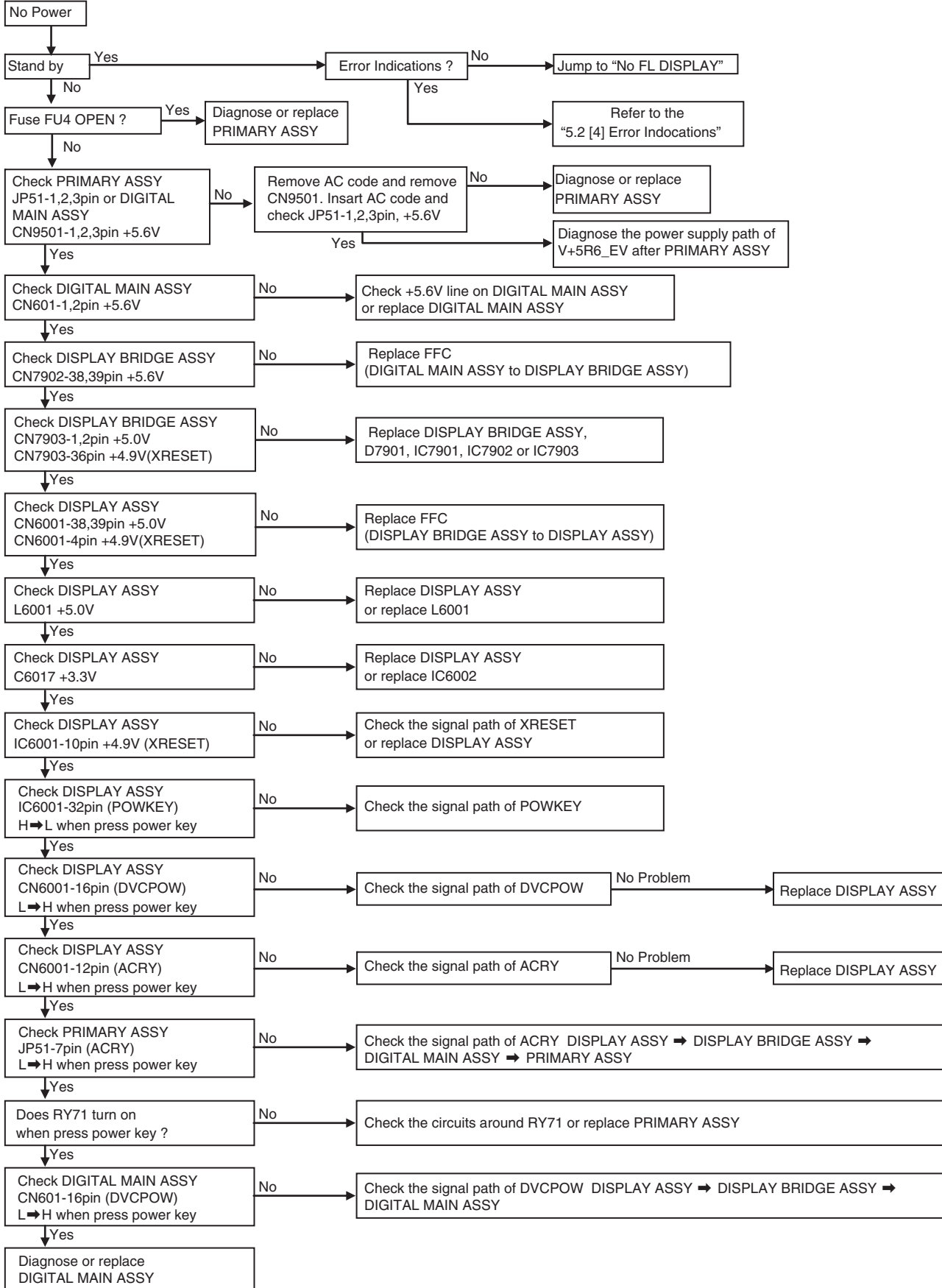
# 5. DIAGNOSIS

## 5.1 DIAGNOSIS FLOWCHART

### NO POWER

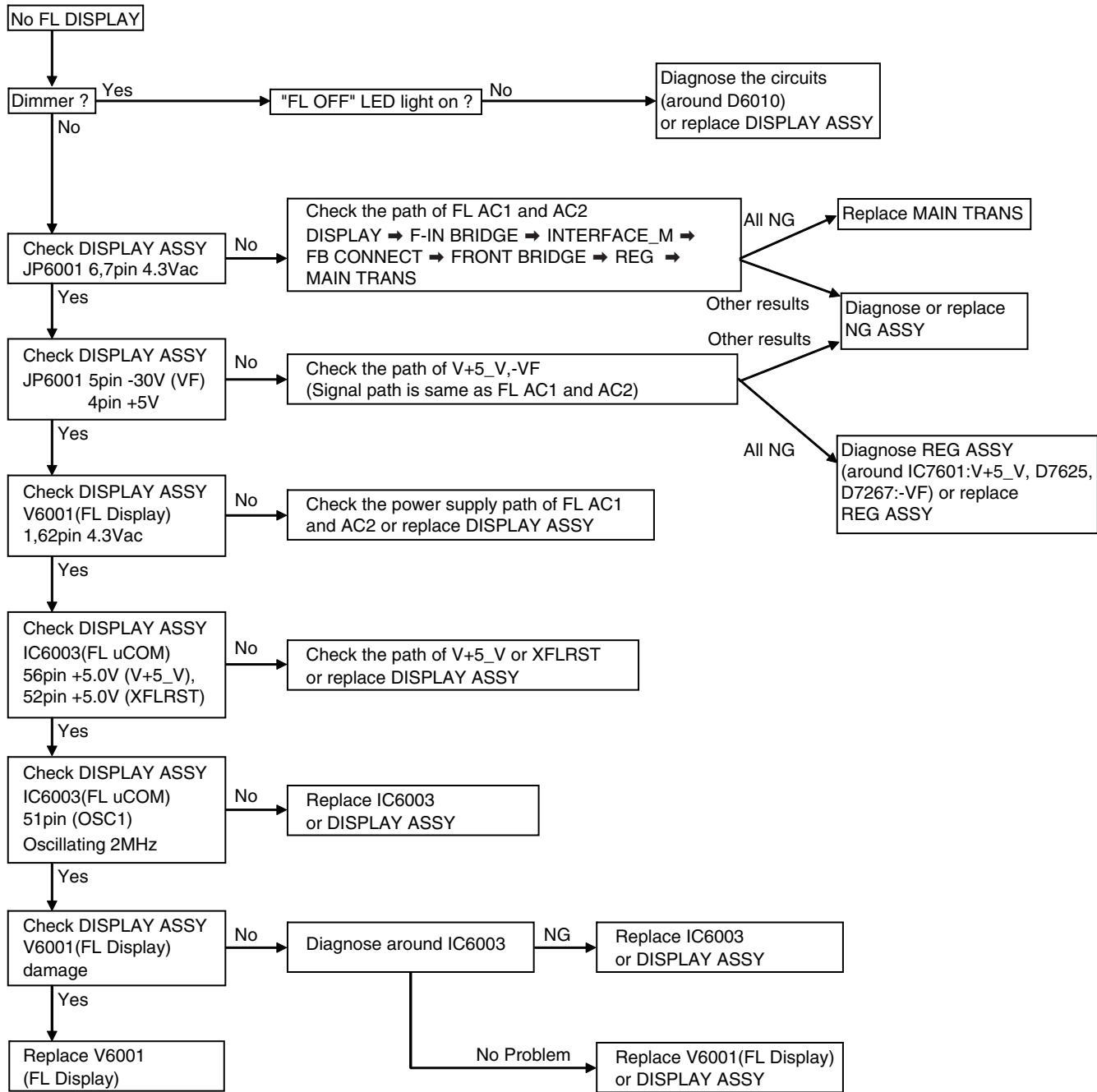
A

This is just for general reference and does not including every single case.



# NO FL DISPLAY

This is just for general reference and does not including every single case.

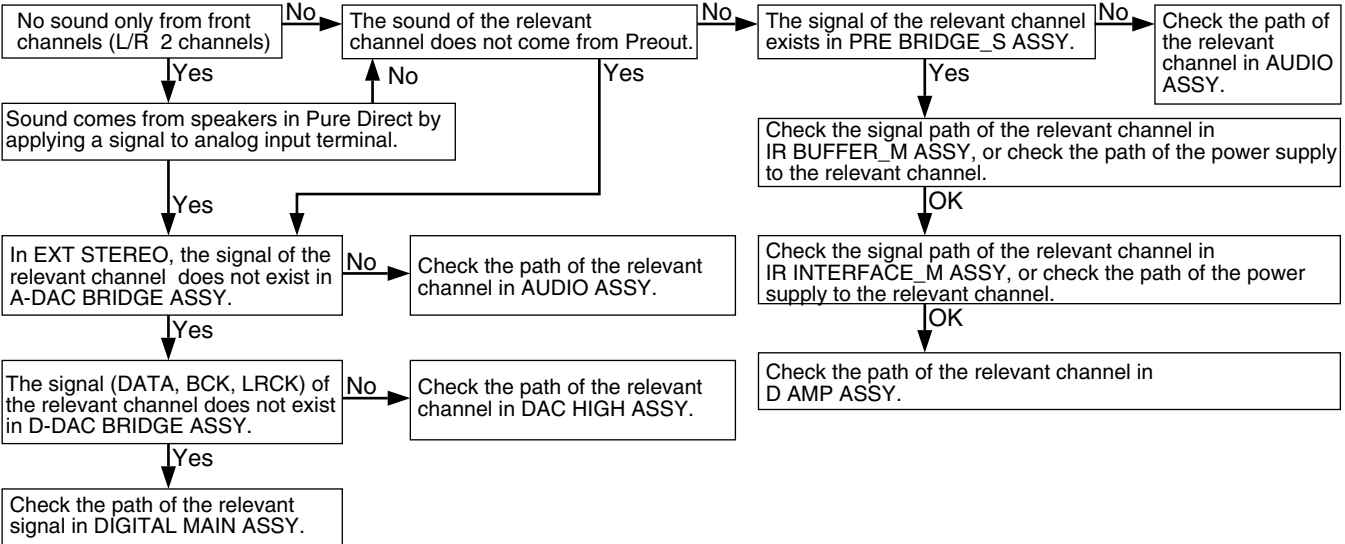


# NO SOUND (Except for troubles caused by setting and others)

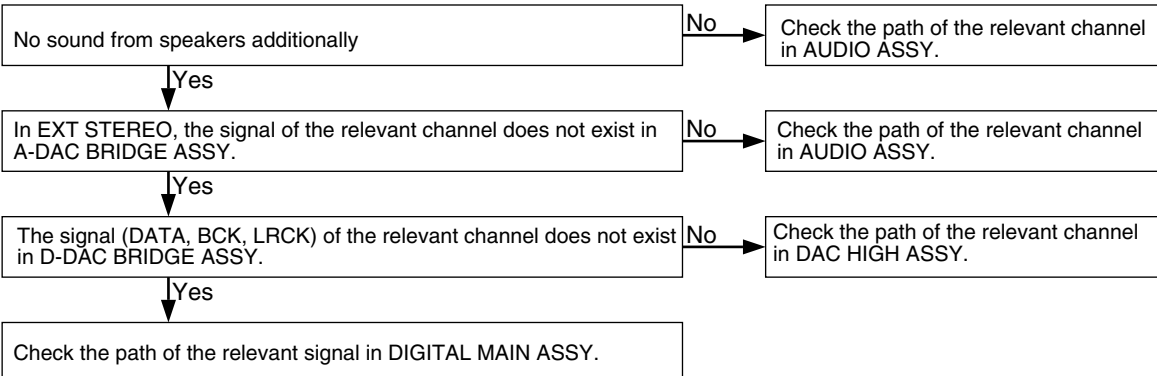
EXT STEREO mode : 2ch signals are distributed to all channels.

OPTIMUM Surr mode : Surround mode of headphones

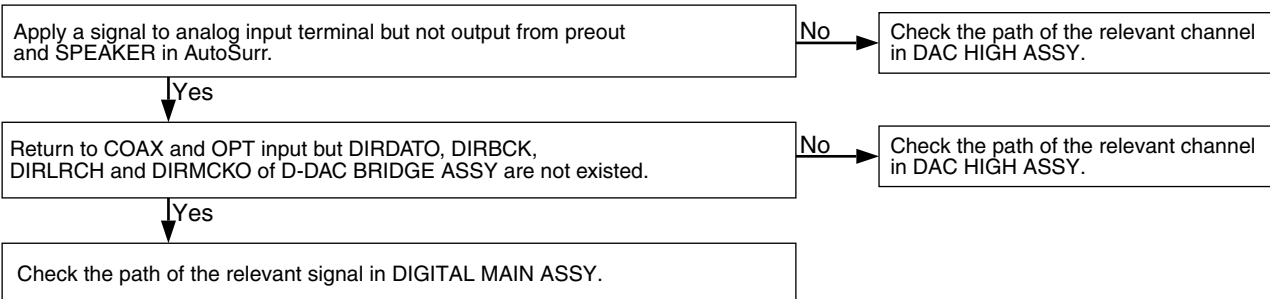
**No sound from speakers (Single channel - Check only the signal path of the relevant channel. Plural channels - There may be troubles with power source, control signals: MUTE, DET and others. Bad connection of cables and connectors should be also considered.)**



**No sound only from Preout (Single channel - Check only the signal path of the relevant channel. Plural channels - There may be troubles with power source, control signals: MUTE, DET and others. Bad connection of cables and connectors should be also considered.)**  
**No sound only in DVROUT or PHONO - Check the relevant path in AUDIO ASSY .**

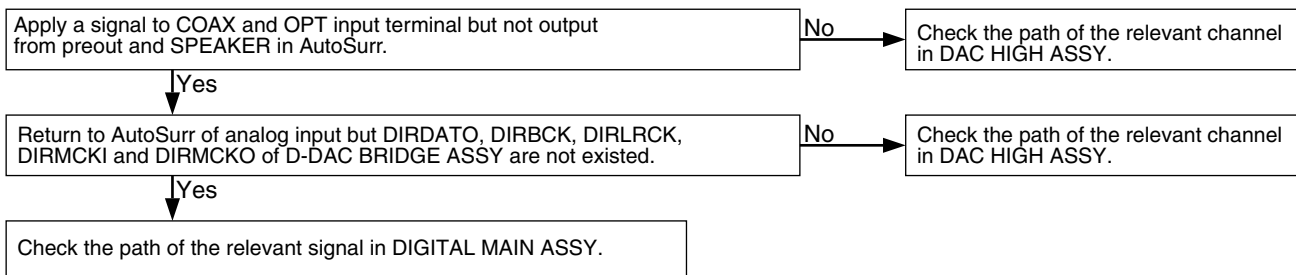


**No sound only in COAX and OPT input (Single channel - Check only the signal path of the relevant channel. Plural channels - There may be troubles with power source, control signals: MUTE, DET and others. Bad connection of cables and connectors should be also considered.)**



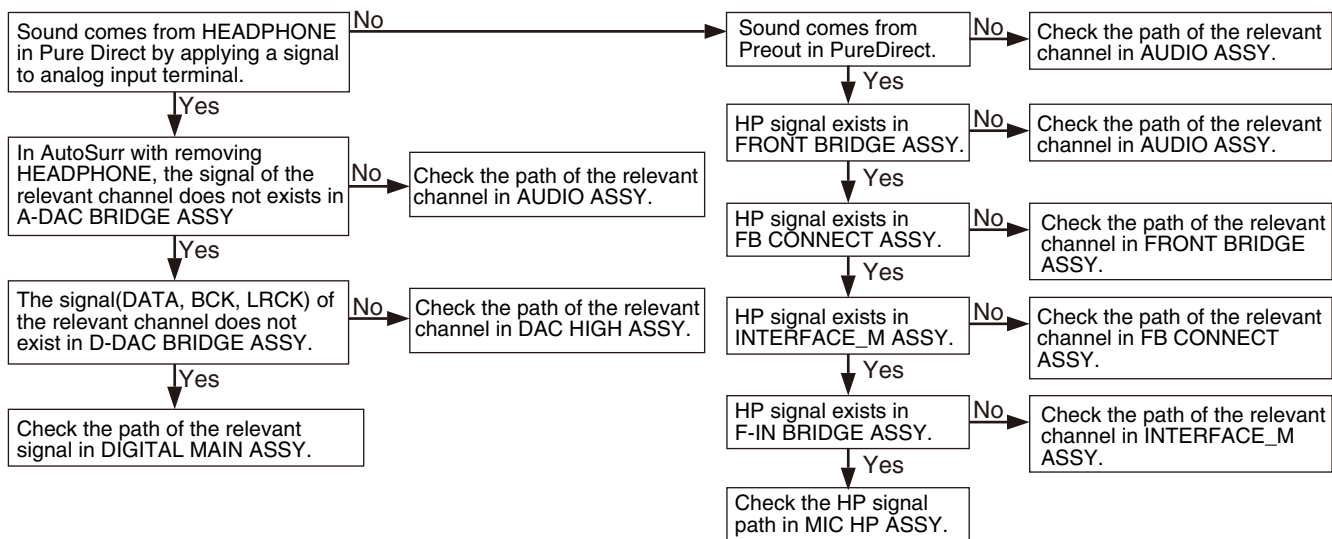


- **No sound only in AutoSurr in analog input (Single channel - Check only the signal path of the relevant channel. Plural channels - There may be troubles with power source, control signals: MUTE, DET and others. Bad connection of cables and connectors should be also considered.)**



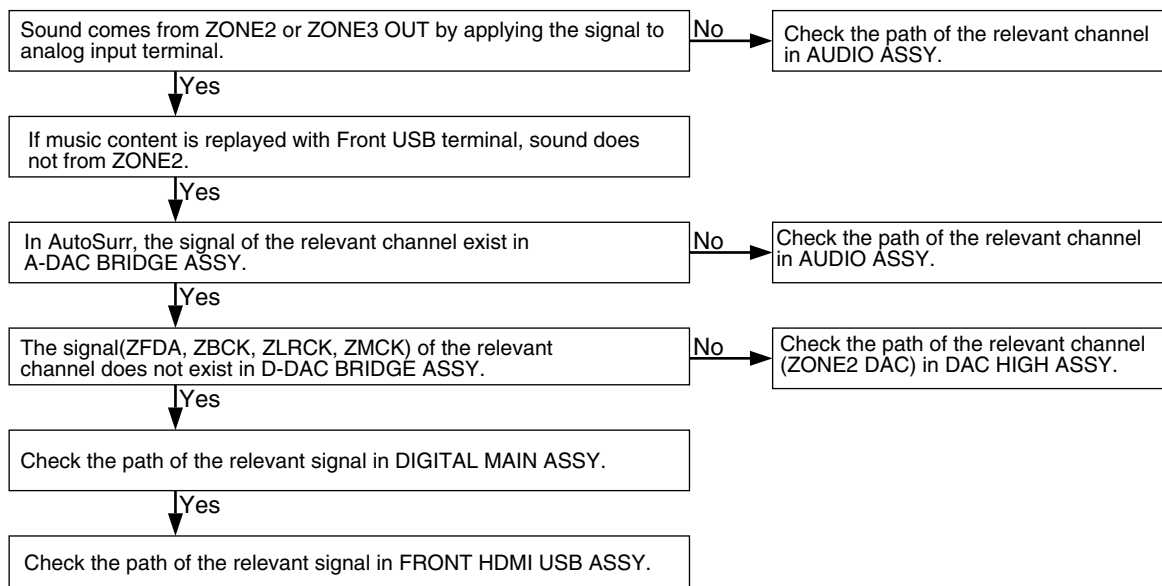
- **No sound from HEADPHONES (Single channel - Check only the signal path of the relevant channel. Plural channels - There may be troubles with power source, control signals: MUTE, DET and others. Bad connection of cables and connectors should be also considered.)**

If it is impossible to change to HEADPHONE, check the path of XHPDET signal.



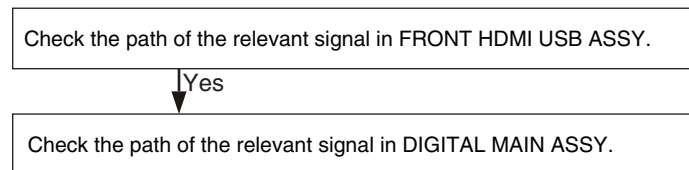
- **No sound only from ZONE (Single channel - Check only the signal path of the relevant channel. Plural channels - There may be troubles with power source, control signals: MUTE, DET and others. Bad connection of cables and connectors should be also considered.)**

No sound only in ZONE SW - Check the relevant path in AUDIO ASSY.



- **No sound only from FRONT USB terminal or only from MHL terminal (There may be troubles with the power source of circuit and control signals. Bad connection of cables and connectors should be also considered.)**

A



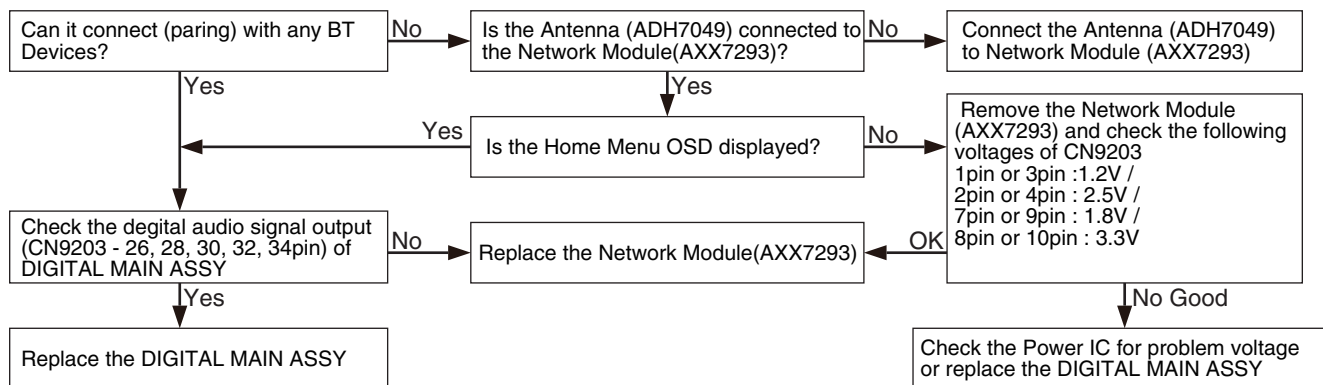
- **No sound only in HDMI, MEDIA SERVER and INTERNET RADIO (There may be troubles with the power source of circuit and control signals. Bad connection of cables and connectors should be also considered.)**

Check the path of the relevant signal in DIGITAL MAIN ASSY.

B

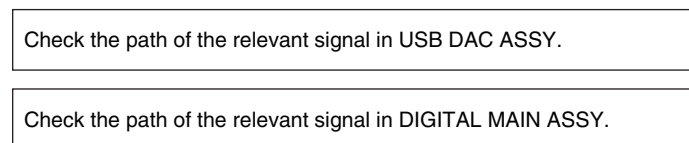
- **No sound only in BT (Single channel - Check only the signal path of the relevant channel. Plural channels - There may be troubles with power source, control signals: MUTE, DET and others. Bad connection of cables and connectors should be also considered.)**

C



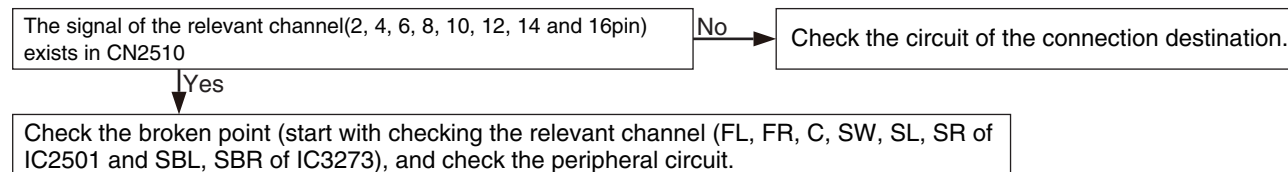
- **No sound only in USB-DAC (There may be troubles with the power source of circuit and control signals. Bad connection of cables and connectors should be also considered.) (SC-99, SC-LX89 only)**

D



- **No sound only in MULTI CH IN (There may be troubles with the power source of circuit and control signals. Bad connection of cables and connectors should be also considered.) (SC-97, SC-LX79 only)**

E

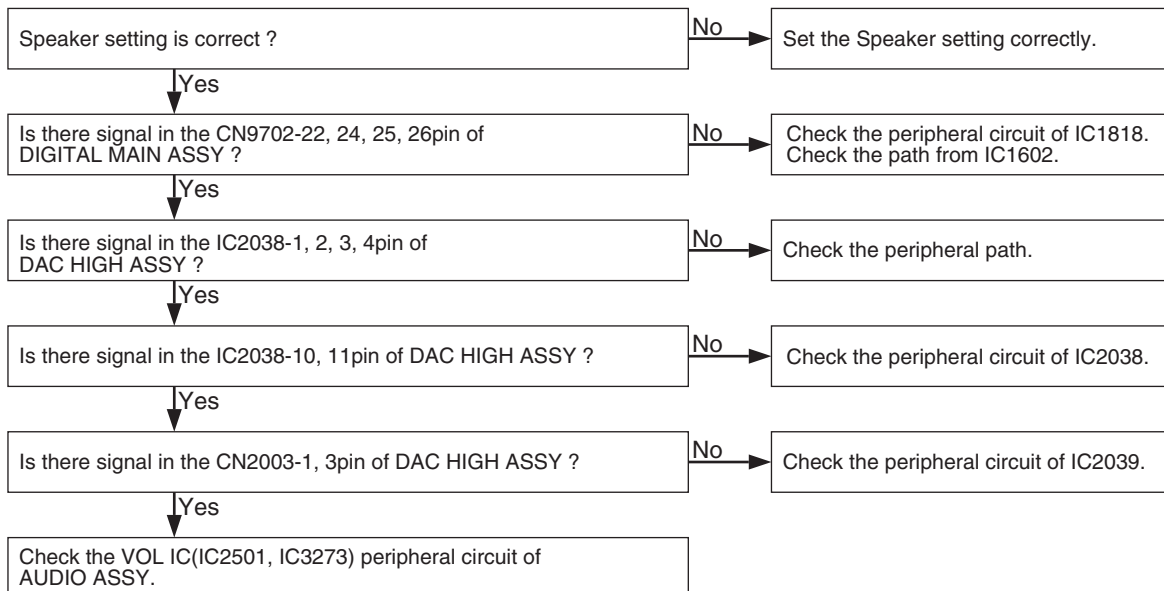


- **No sound only in tuner (There may be troubles with the power source of circuit and control signals. Bad connection of cables and connectors should be also considered.)**

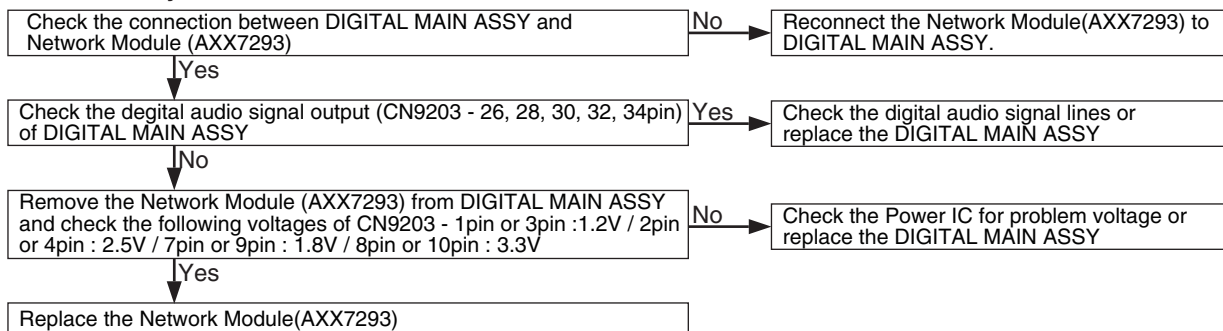
Check the path of the relevant channel in AUDIO ASSY, and check TUNER MODULE.

F

### ■ No sound only in POWERD HD ZONE

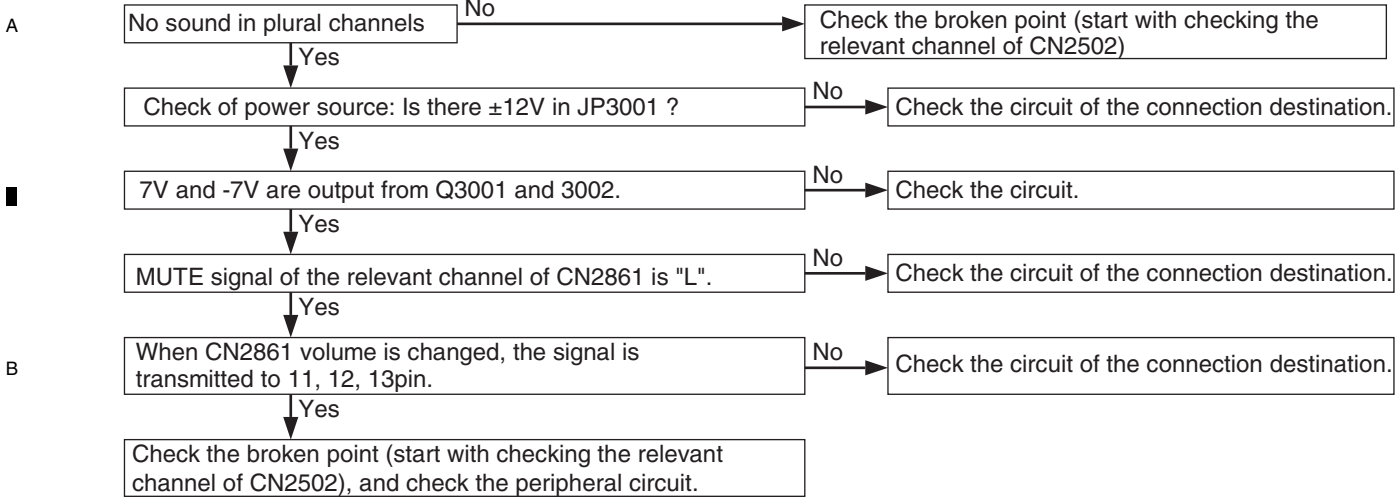


### ■ No sound by MEDIA SERVER, INTERNET RADIO, FRONT USB, BT and Wi-Fi



# AUDIO ASSY DIAGNOSIS

## ■ No sound in plural input modes of speaker and Preout



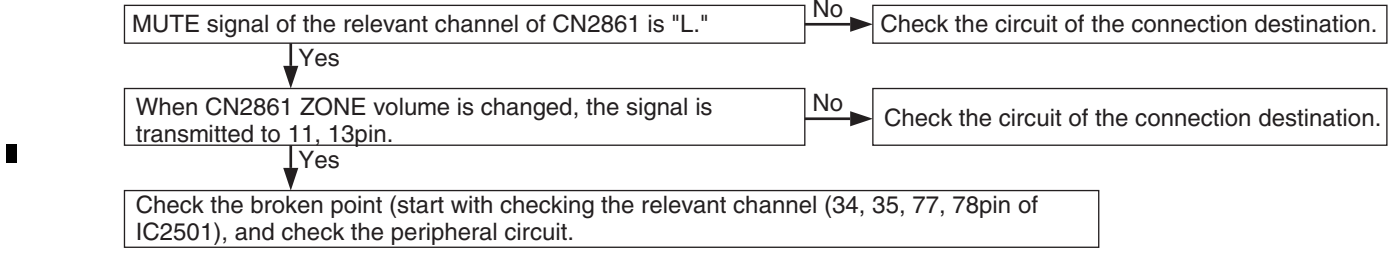
## ■ No sound only in analog input

Check the path from each input terminal to IC2501.

## ■ No sound only from HEADPHONES

Check the peripheral of IC2801.

## ■ No sound only from ZONE 2 and ZONE 3 (Both of them, Either of them)



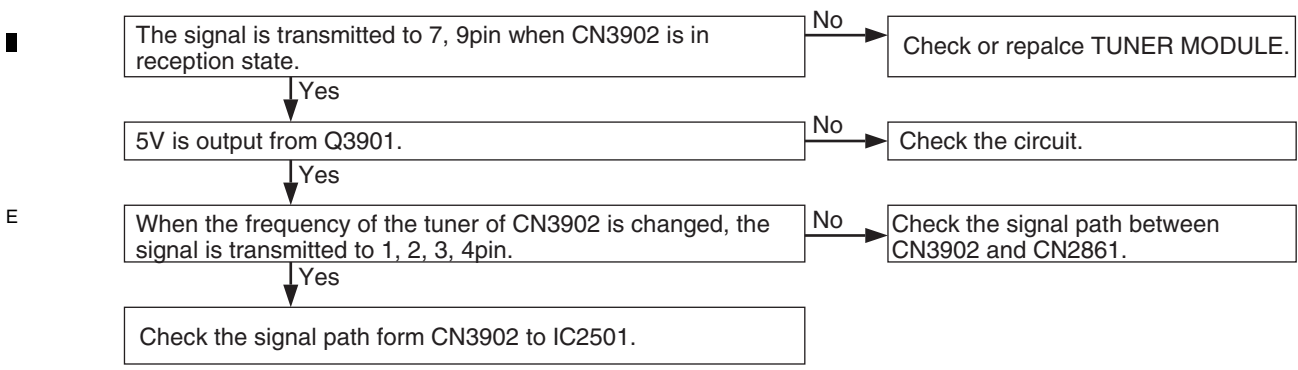
## ■ No sound only from ZONE 2 of FRONT USB

Check the path from 1, 3pin of CN2502 to IC2501.

## ■ No sound only in BT

Check the path from 18, 20pin of CN3001 to IC2501.

## ■ No sound only in Tuner



## ■ No sound only from DVR/BDR OUT

Check the path and circuit between IC2501 and JA2501.

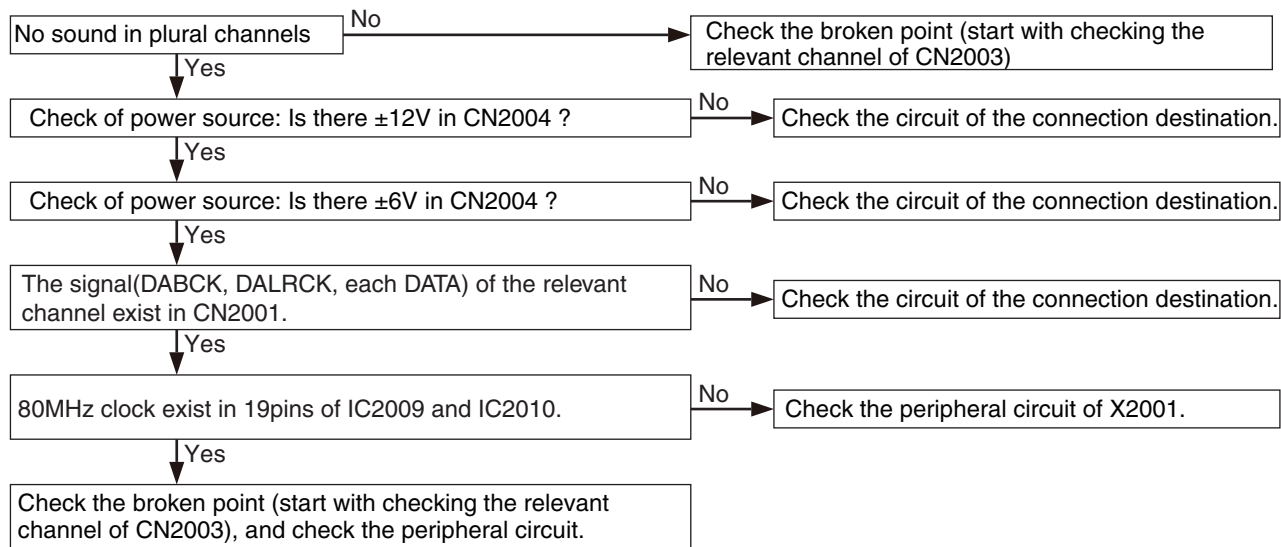
## ■ No sound only in PHONO

Check the path and circuit between IC2501 and JA2503.

F

## DAC HIGH ASSY DIGNOSIS

### ■ No sound from speakers and Preout in EXT STEREO



### ■ No sound only in COAX input or OPT input

Check the peripheral circuit of IC2003.

### ■ No sound only in analog input

Check the peripheral circuit of IC2027.

### ■ No sound only from ZONE 2 of FRONT USB

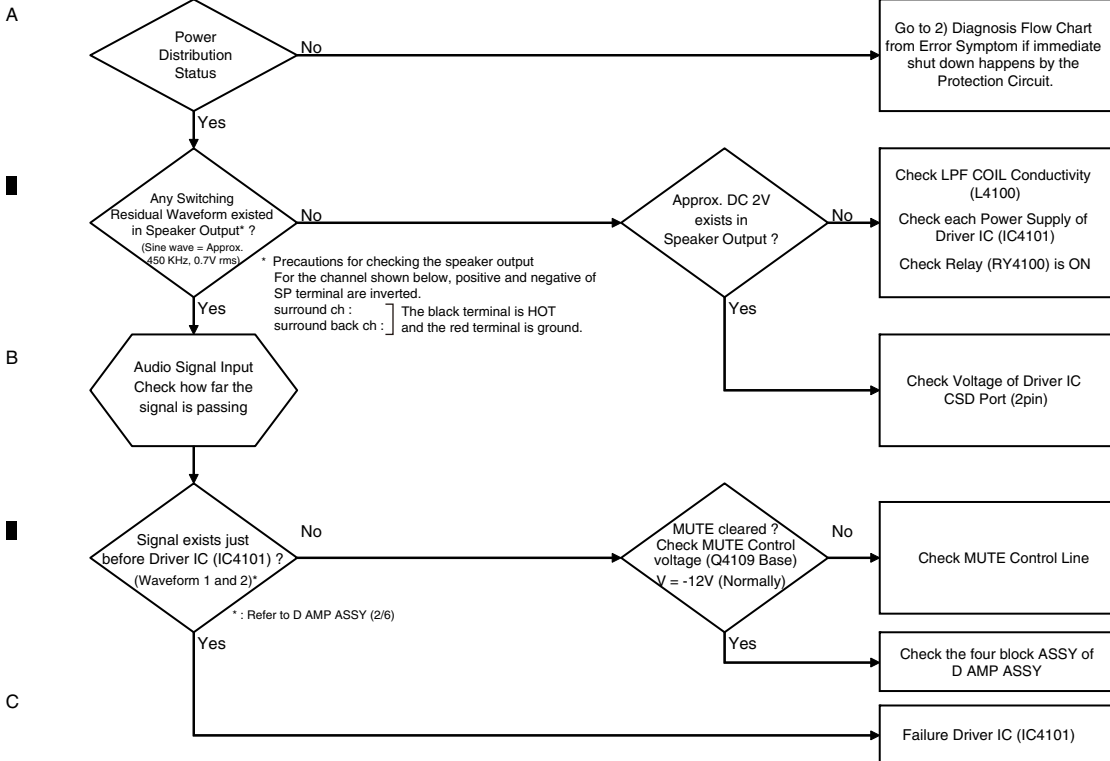
Check the peripheral circuit of IC2026.

### ■ No sound only in BT

Check the 14, 16pin of JA2010, the power source and control signals.

# DIGITAL AMP BLOCK FLOWCHART

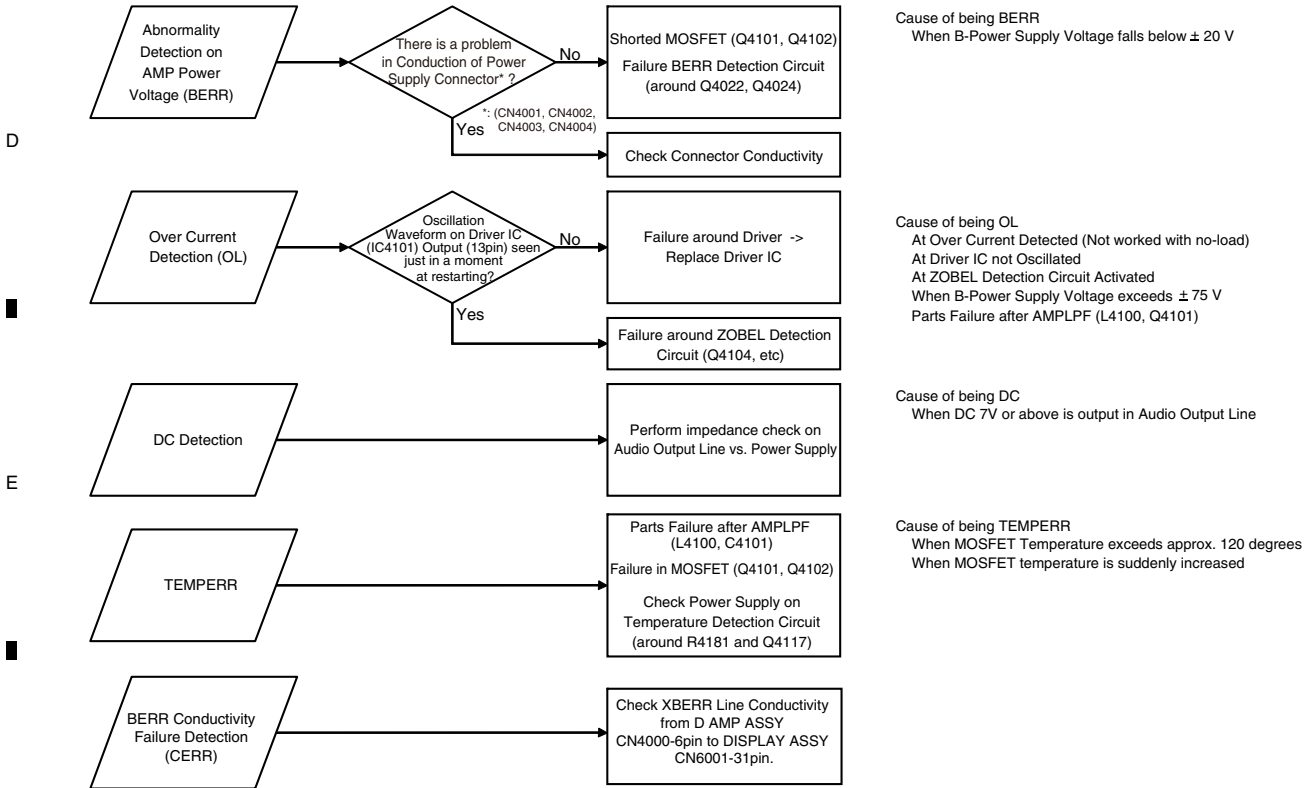
## 1) No Sound



NOTE : Wiring number listed is the example of Front L-ch

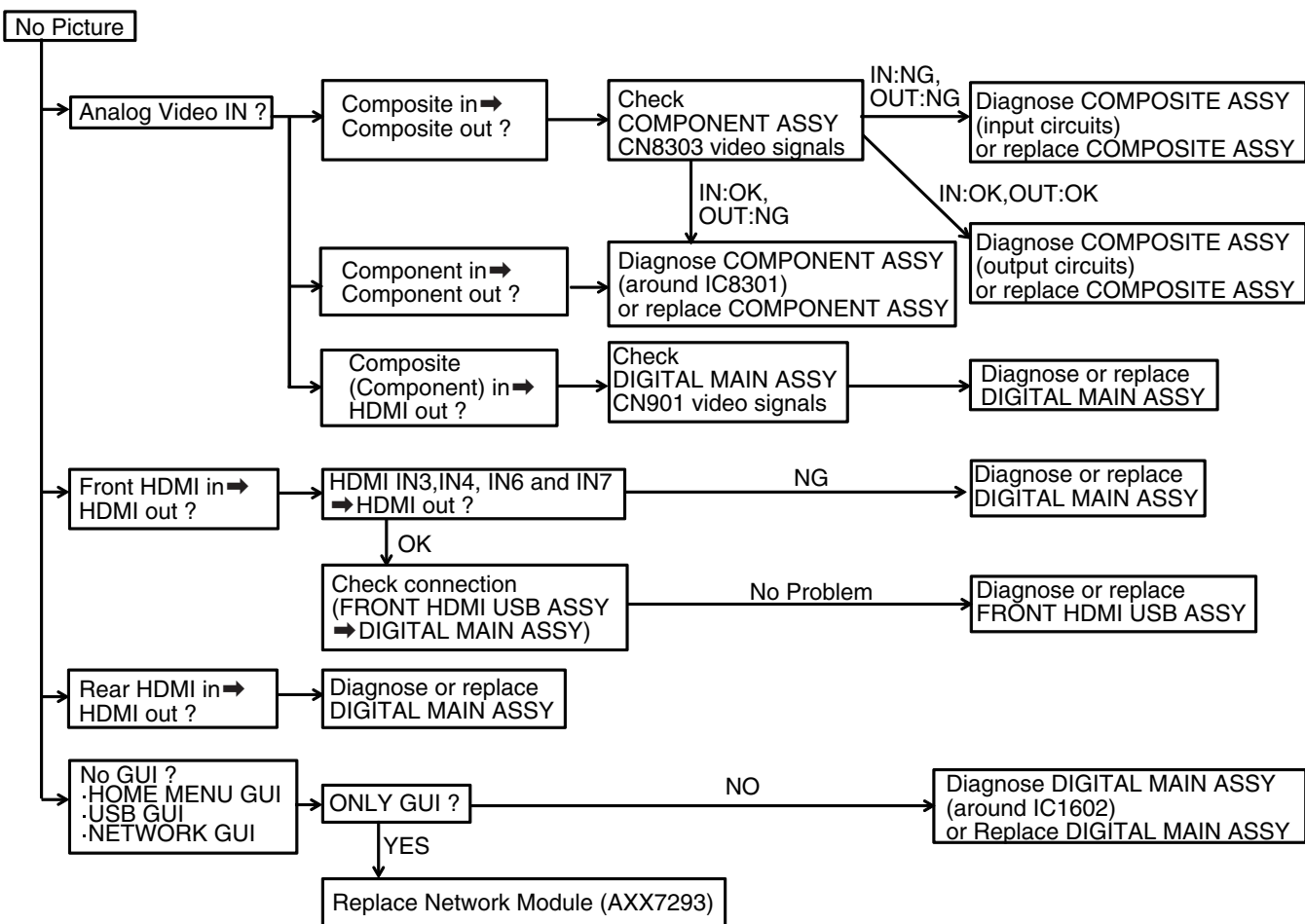
## 2) Diagnosis Flow Chart from Error Symptom

Failure locating method from error symptom is available as diagnosis after product shutdown. Diagnosis Flow Chart from error symptom due to Amplifier Section is shown here.



## NO PICTURE

This is just for general reference and does not including every single case.



In case of using 4K/60p-compatible TV and no picture.

The receiver's HDMI input terminals support the 4K/60p signal. However, there are two types of terminals as follows.

- Type 1: 4K/60p 4:4:4 24 bit signal (transmission speed up to 18 Gbps) can be transmitted: BD, DVD (HDMI IN 1), SAT (HDMI IN 2)
- Type 2: 4K/60p 4:2:0 24 bit signal can be transmitted (4K/60p 4:4:4 24 bit signal is not supported, transmission speed up to 10.2 Gbps): HDMI input terminals other than the above

NOTE: All input terminals are type 2 when HDZONE is turned on.

1. When a source device that does not support the 4K/60p 4:4:4 24 bit signal is connected to a type 1 terminal, the video image may become reddish, sound may not be output, or 3D signals may not be output for some devices. For such devices, try the following.

\*This is not a malfunction of the receiver.

- Connect the device to a type 2 terminal instead of the type 1 terminal.
- It is also possible to set all input terminals to type 2. Set the following "HDMI 4K/60p signal output setting" to "4:2:0".

2. When the video image is not output, is interrupted, or there is noise, the cause may be the HDMI cable. (Some HDMI cables do not support 4K/60p 4:4:4 24 bit signal transmission.) In such cases, set the following "HDMI 4K/60p signal output setting" to "4:2:0".

### HDMI 4K/60p signal output setting

Operation is performed on the front panel of the unit. You cannot perform the setting if the multizone function is not set to **MULTI ZONE OFF**.

**1 Switch the receiver into standby.**

**2 While holding down ENTER on the front panel, press  $\odot$  STANDBY/ON.**

The display shows **RESET◀ NO ▶**.

**3 Use  $\uparrow/\downarrow$  to select '4K/60p'.**

**4 Use  $\leftarrow/\rightarrow$  to select the signal to set.**

- 4:4:4 – Select this setting when connecting to a 4K/60p 4:4:4 24 bit compatible TV using HDMI. More high quality video images can be enjoyed.
- 4:2:0 – Select this setting when connecting to a 4K/60p 4:2:0 24 bit compatible TV using HDMI.

**5 When you're finished, press RETURN.**

**6 Press  $\odot$  STANDBY/ON to switch on the receiver and your TV.**

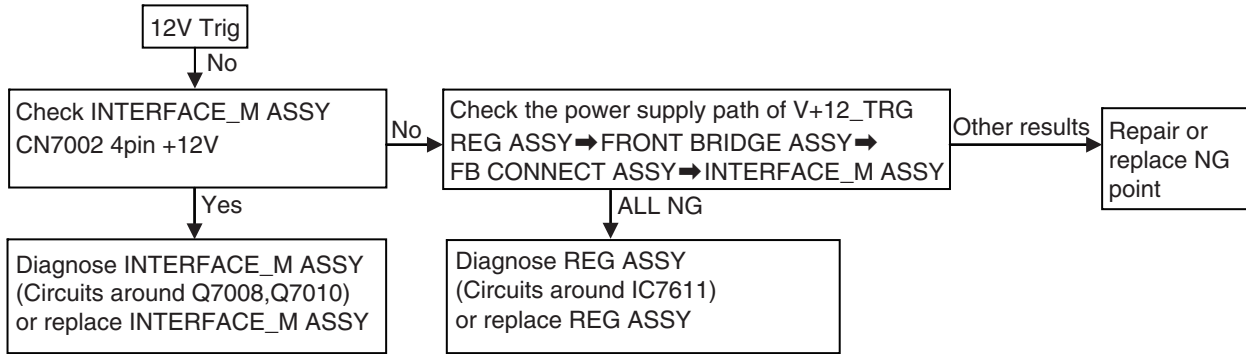
Make sure that the TV's video input is set to this receiver.

# OTHER

This is just for general reference and does not including every single case.

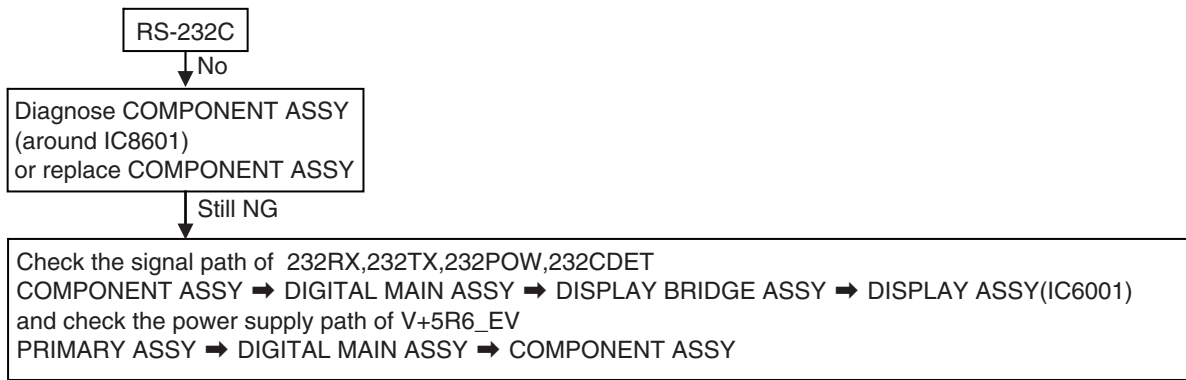
A

## 12V Trig



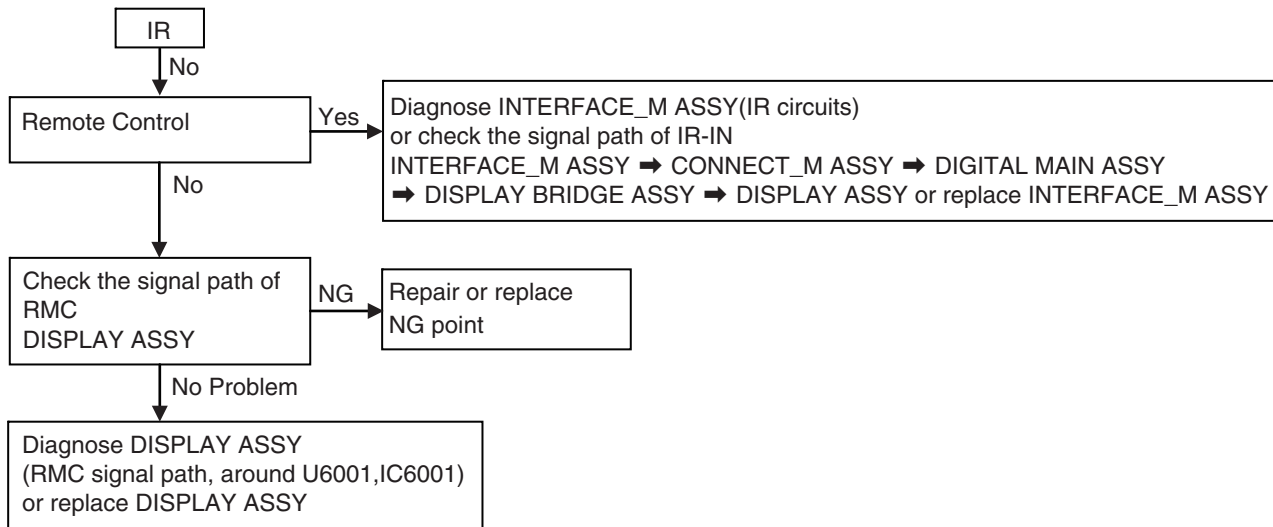
B

## RS-232C



C

## IR



D

E

F



## 5.2 CIRCUIT DESCRIPTION

### [1] Protection Circuit Process List

#### Amplifier Circuit

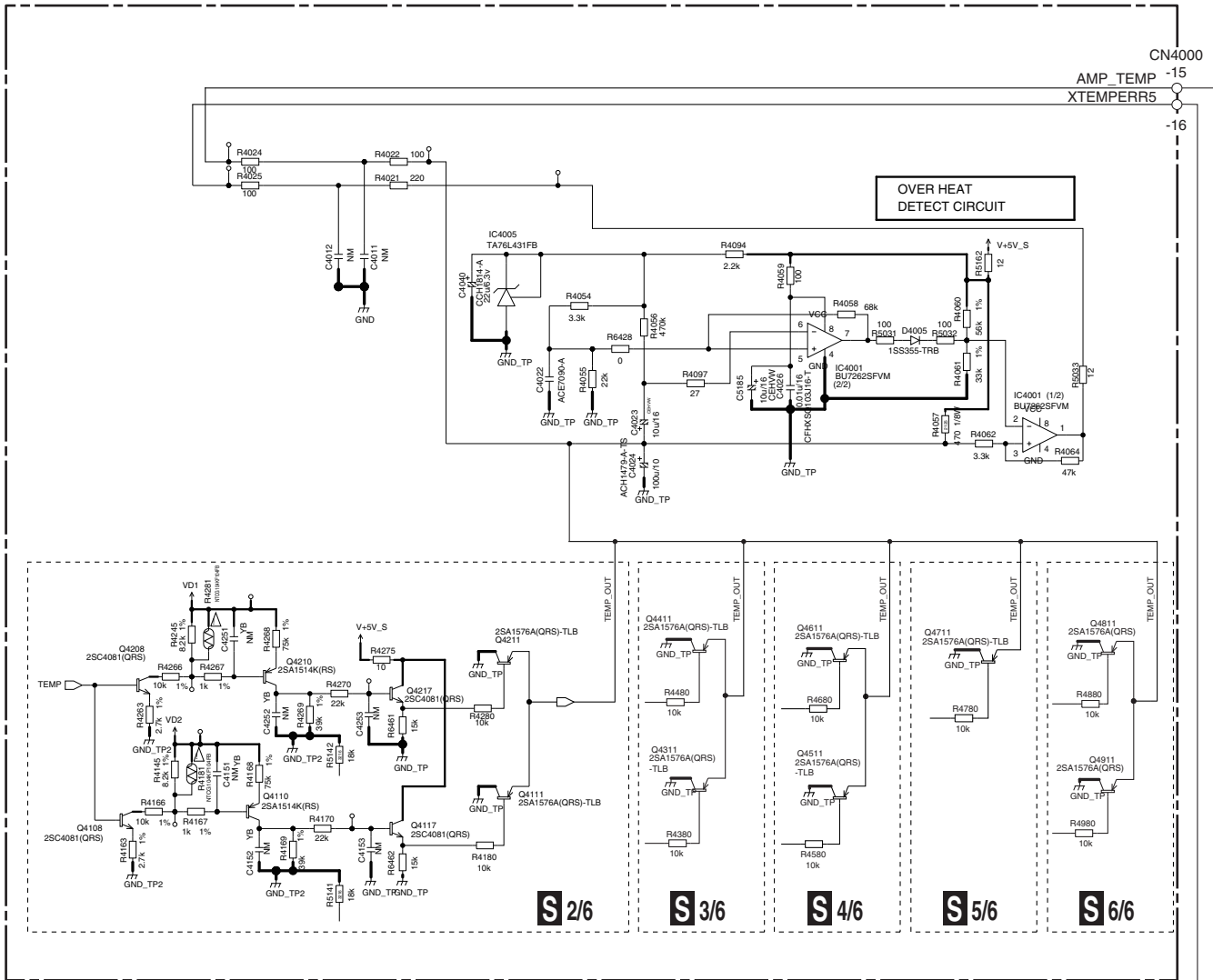
Item	Purpose	Detection Method	Status of Equipment	Warning Indication	Remarks
Overheat detection	Detects MOS FET temperature of amplifier output stage	Detects when TEMPERR5 port becomes "L" in case of the detecting temperature exceeds 120°C or rapid change by short circuit of speaker terminals. (IC6001 24pin)	Flashes "OVERHEAT" Shuts down when abnormality continues for more than 3 seconds.	Blinks FL OFF LED indicator.	Recoverable by power-on after shutdown in 1 minute.
		Detects when AMPTEMP port becomes below 1.6V at NTC Thermistor detect circuit. (IC6001 64pin)	Fan rotates by power-on.		AMPTEMP voltage [US Model Only] 5V-2.9V : FANLOW 2.9V or less : FANHIGH [Except US Model] 5V-3.8V : FANSTOP 3.8V-2.9V : FANLOW 2.9V or less : FANHIGH
DC detection	Detects DC of amplifier output (After LPF)	Detects when SP output exceeds DC ± 7V and XDCERR port becomes "L". (IC6001 21pin)	MUTE on and Speaker Relay off. Flashes "AMP ERR". Shuts down when abnormality continues for more than 3 seconds.	Blinks MCACC PRO LED	In case of detecting DC abnormality during power-on sequence after the DC was once detected. Recoverable by only DC DETECT cancel. Refer to "How to Enter Release Mode".
			MUTE on and Speaker Relay off. Flashes "AMP ERR". Shuts down when abnormality continues for more than 3 seconds.	Blinks FL OFF LED indicator.	In case of detecting DC abnormality during normal operation. Recoverable by power-on after 1 minute.
Zobel detection	Protects overcurrent by Zobel Resistance when high power output of higher frequency continued	Detects XOLERR port becomes "L". (IC6001 13pin)	Shuts down	Blinks Wireless LED	Recoverable by power-on
Overcurrent detection	Protects overcurrent of MOS FET in output stage when overcurrent flows at the output stage	Detects XOLERR port becomes "L". (IC6001 13pin)	Shuts down	Blinks Wireless LED	Recoverable by power-on
Amplifier Power Supply failure detection	Detects abnormal in the Amplifier Power Supply	Detects B-Power Supply Voltage exceeds ± 75V and XOLERR port becomes "L". (IC6001 13pin)	Shuts down	Blinks Wireless LED	Recoverable by power-on.
		Detects B-Power Supply Voltage falls below ± 20V and XBERR port becomes "L". (IC6001 75pin)		Blinks MCACC PRO LED	Recoverable by only DC DETECT cancel. Refer to "How to Enter Release Mode".
BERR conductivity failure detection	Detects XBERR line conductivity failure	Detects when XBERR port becomes "M". (approx. 2.5V) (IC6001 75pin)	Shuts down	Blinks Wireless LED	Recoverable by power-on.
Fan abnormality detection	Detects a Fan not rotating by loose connector or Fan lock when controlling the Fan rotation	Detects when XFANERR port becomes "L". (IC6001 28pin)	Flashes "FAN STOP" Shuts down when abnormality continues for more than 3 seconds.	Blinks Wireless LED	Recoverable by power-on

#### [How to Enter Release Mode]

During Standby mode, simultaneously press and hold the "TUNE [↓]" and "ZONE2 ON/OFF" keys for 5 seconds.

# Overheat Detection

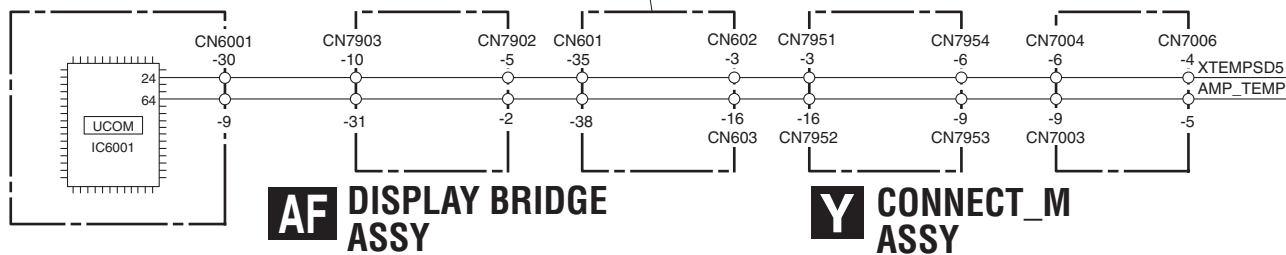
## S D AMP ASSY



## L DISPLAY ASSY

## G DIGITAL MAIN ASSY

## H INTERFACE\_M ASSY



## AF DISPLAY BRIDGE ASSY

## Y CONNECT\_M ASSY

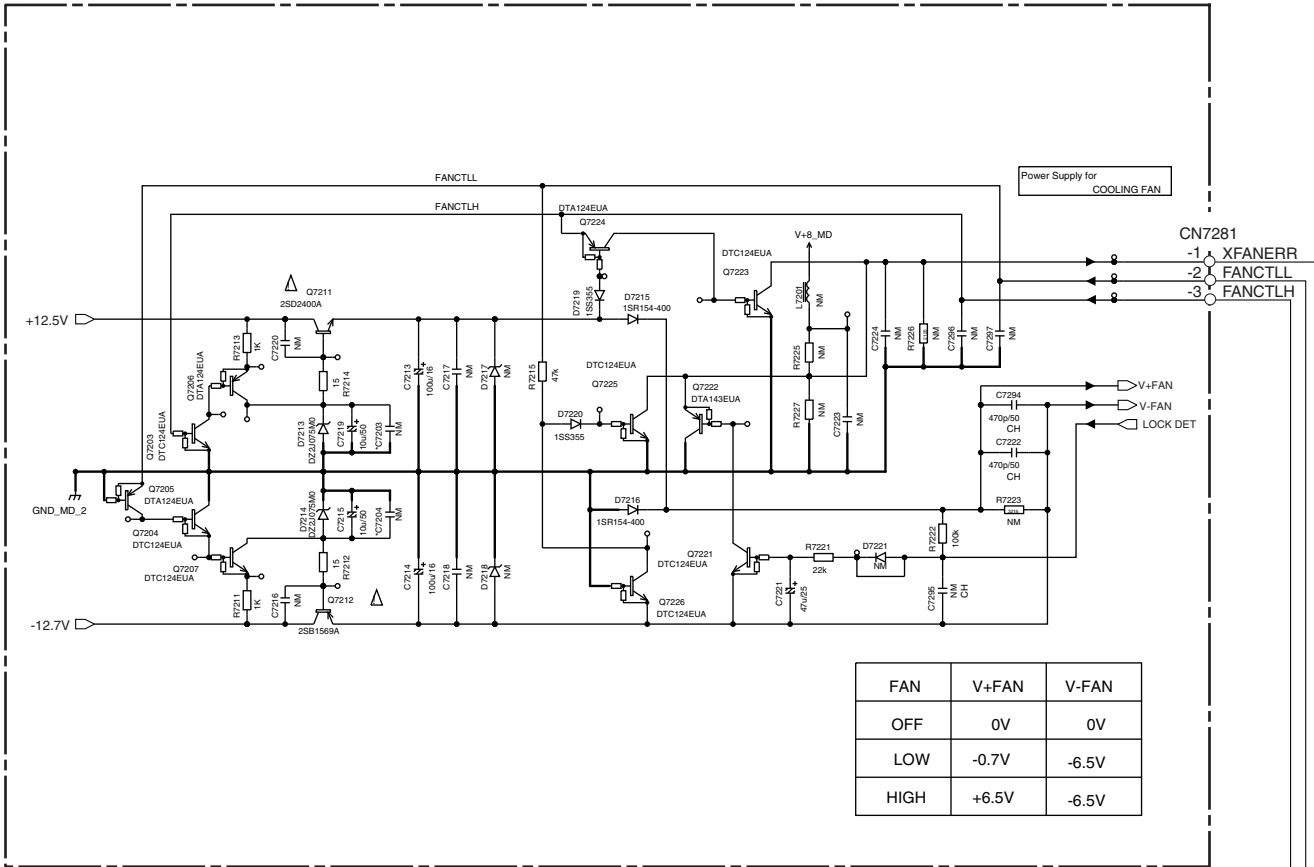






# Fan Abnormality Detection

## W IR REG\_M ASSY



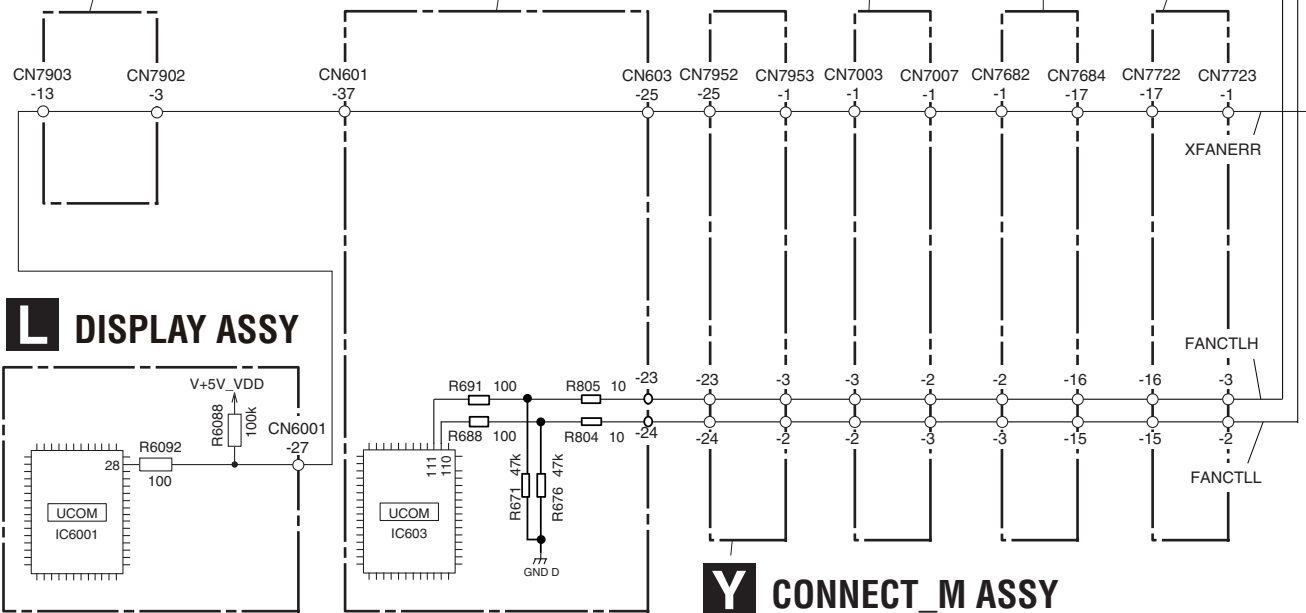
## G DIGITAL MAIN ASSY

## AE FRONT BRIDGE ASSY

## Z FB CONNECT ASSY

## AF DISPLAY BRIDGE ASSY

## H INTERFACE\_M ASSY



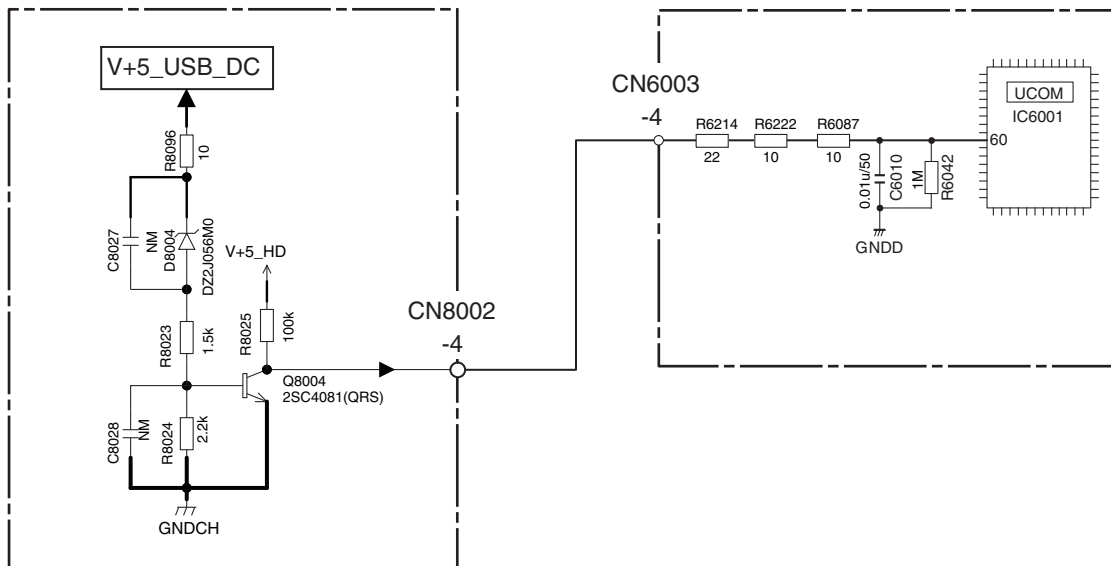
**[2] Protection Circuit Process List (XVDDERR)**

Item	Purpose	Detection Method	Status of Equipment	Warning Indication	Remarks
USB power failure detection	Detection of failure in regulator circuit for external supply	Detected when USB voltage reaches 7V or higher. XVDDERR port is set to "L" (IC6001 60pin)	Shuts down	Blinks Wireless LED	Restoration possible with Power ON

**XVDDERR Circuit**

**C FRONT HDMI USB ASSY**

**L DISPLAY ASSY**

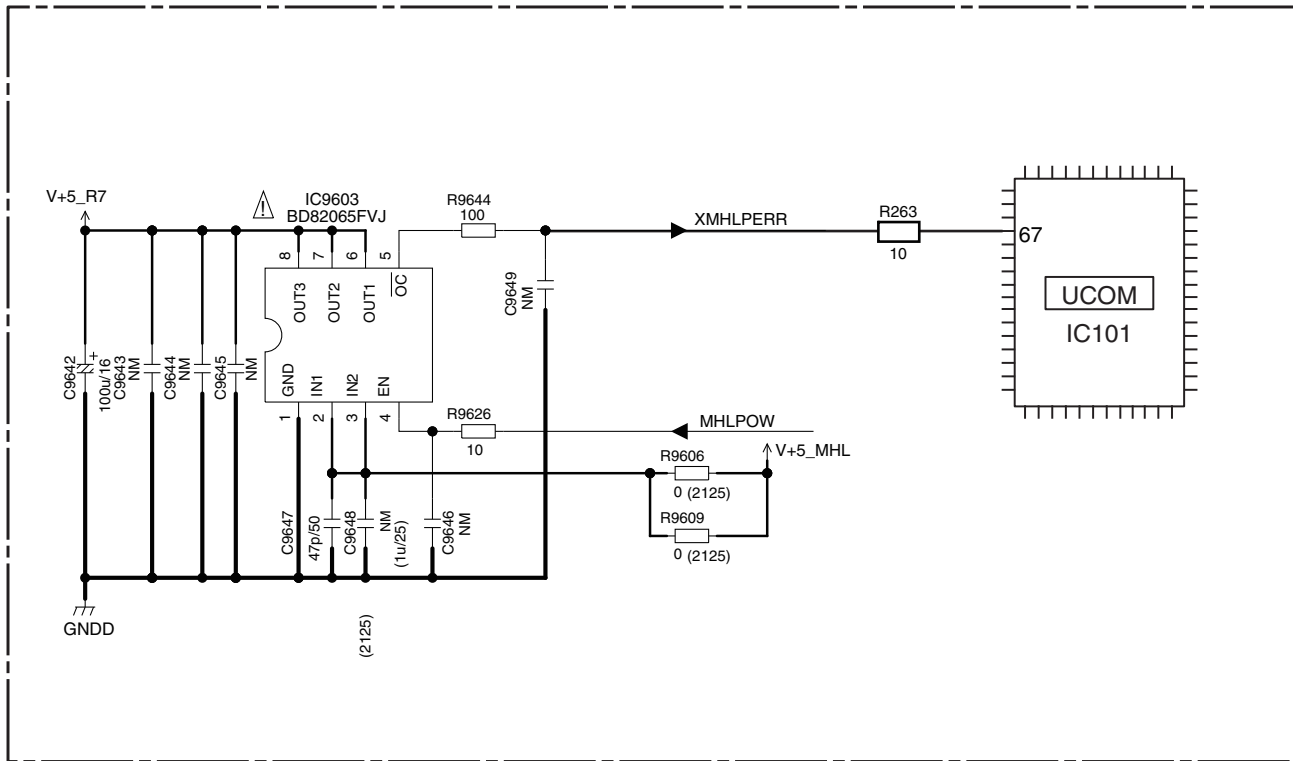


### [3] Protection Circuit Process List (XMHLPERR)

Item	Purpose	Detection Method	Status of Equipment	Warning Indication	Remarks
MHL Overcurrent detection	Detection of over-current in MHL power supply	IC9603 detects MHL circuit overcurrent and XMHLPERR port is set to "L".	Flashes "MHL POW ERR" and stops MHL power supply.		MHL power is not supplied until the MHL equipment is acknowledged after second power-on.

### XMHLPERR Circuit

## DIGITAL MAIN ASSY





#### [4] Error Indications

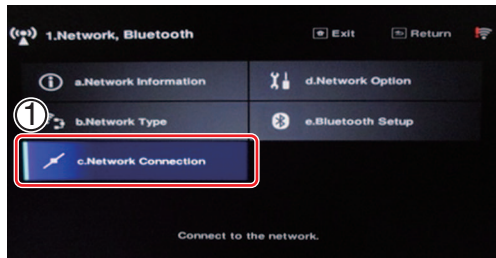
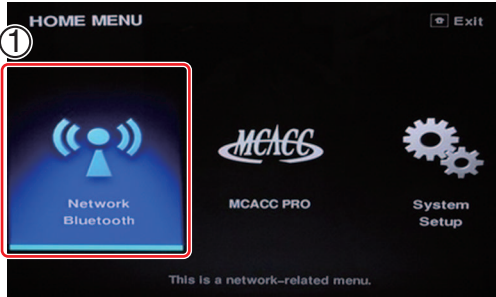
	FL Display	LED flashes	Status	Timing (sec.)	Description	Remarks
(1)	Over Current	NA	When the overload USB device (over 500 mA) is connected.		The connected USB device is overload.	
(2)	HDCP ERROR	NA	When an HDCP ERROR is detected.	Flashes 5 seconds		Warning indication for HDMI Simplay
(3)	12V TRG ERR	NA	When the 12V trigger circuit is short-circuited.	Flashes	The 12V trigger circuit is short-circuited, and a overcurrent is generated.	
(4)	UE11	NA	Update error of software for Event Ucom.	Flashing	Updating of Event Ucom was failed due to some reason such as AC OFF during updating. (The unit was starting up with old version)	Update Event Ucom again.
(5)	UE22	NA	Read error of DSP firmware.	Flashing	Updating of DSP firmware was failed due to some reason such as AC OFF during the updating. Or there's a possibility of communication error between DSP IC and flash ROM IC for DSP.	Update DSP firmware again. If the error still remains after updating, replace DIGITAL MAIN ASSY.
(6)	UE33	NA	Read error of Network Module firmware.	Flashing	Updating of Network Module firmware was failed due to some reason such as AC OFF during the updating. Or there's a possibility of communication error between Network Module and flash ROM IC for Network Module.	Update Network Module firmware again. If the error still remains after updating, replace Network Module (AXX7293).

## 5.3 CONFIRMATION OF THE NETWORK MODULE

Check if the set SSID of this unit is displayed on a device such as a PC or a smart phone, following the procedures shown below. If the SSID is displayed on the device, the antenna connections of the Network Module are normal. If the SSID is not displayed, check the antenna cable connections on the Network Module.

### Procedures:

① Press "Home Menu" button on a remote control and select "Network Connection" from the Network, Bluetooth menu on screen.



② Select "Wireless Direct" from the Network Connection menu.

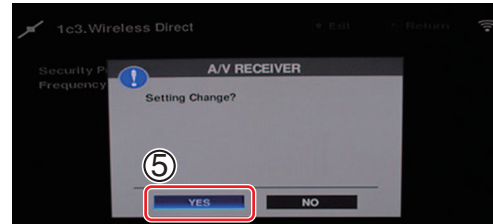


③ Select the encryption method to "None" with ← / → from Security Protocol.

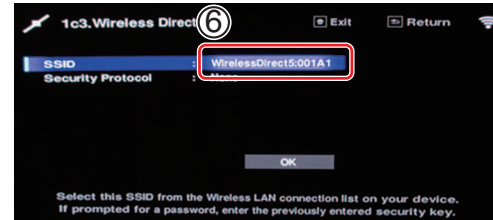


④ Select "Frequency Band" at ↓ and select the frequency to "2.4GHz".

⑤ Select "OK" then press ENTER. "Setting change?" window is displayed, then select "YES" and press ENTER.



⑥ Select the SSID shown on the screen of this unit. (e.g. WirelessDirectX: XXXXXX)



### How to Check on a PC Equipped with a Wireless LAN Device

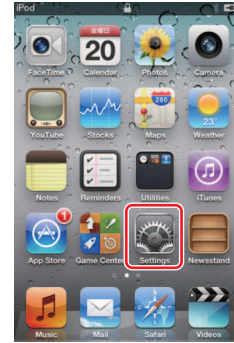
#### [Windows 7]

- ① Left-click on the wireless network icon on the system tray.
- ② Check that the above-mentioned SSID (WirelessDirectX:XXXXXX) is displayed on the list that appears.



### How to Check on a Smartphone (Example: iPod Touch)

- ① At the top screen of an iPod Touch, select Settings.



- ② Select Wi-Fi.



- ③ Check that the above-mentioned SSID (WirelessDirectX:XXXXXX) is displayed in the "Choose a Network" box.



# 6. SERVICE MODE

## [1] Detected protection history



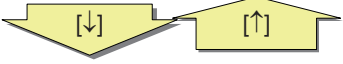
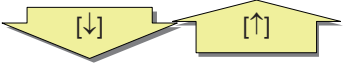
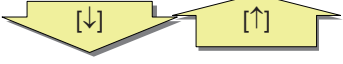
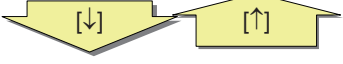
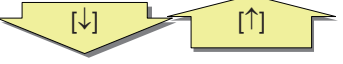

### [Purpose]

The numbers of detections for various protection processes are displayed.

### [How to enter/exit]

Turn off the power to this unit by setting the main volume level to “---dB” and Multi-zone to “OFF”. During Standby mode, simultaneously press and hold “ZONE2 ON/OFF” and “ENTER” keys for 5 seconds to enter this mode.

### [Basic operations]

Key operation	FL display
Display number of times DC is detected. 	DC : ***
Display number of times OVERLOAD is detected. 	OL : ***
Display number of times COMBINATION is detected. (Detects DC and OVERLOAD simultaneously) 	COM : ***
Display number of times FAN STOP is detected. 	FAN : ***
Display number of times AMP overheat is detected. 	STMP : ***
Display number of times Digital Power abnormality is detected. 	DERR : ***
Display number of times B REG power supply failure is detected. 	BERR : ***
Display number of times B REG conductivity failure is detected. 	CERR : ***

### Front Panel Key

- [↓] : TUNE Key
- [↑] : TUNE Key
- [←] : PRESET Key
- [→] : PRESET Key

Key operation	FL display
Resetting the number of times error is detected.	RESET ◀HOLD▶
[↓] [↑]	
Display accumulated time & RESET.	1 2 3 4 5 h 2 0 m ◀ HLD ▶
[↓] [↑]	
Display CEC(TEST) state.	CEC ◀OFF▶
[↓] [↑]	
Display FAN(TEST) state.	FAN ◀OFF▶
[↓] [↑]	
USB Backup state	USB BAK ◀HOLD▶
[↓] [↑]	

Resetting the number of times error is detected

Key operation	FL display
[←][→]	RESET ◀CLEAR?▶
[ENTER]	RESET ◀RESET▶
Continued	

A

Resetting the accumulated time

Key operation	FL display
[←][→]	1 2 3 4 5 h 2 0 m ◀CL?▶
[ENTER]	0 h 0 m ◀RST▶
Continued	

B

Display CEC(TEST) state.

Key operation	FL display
[←][→]	CEC ◀ON▶
Change cyclically	

C

Key operation	FL display
[←][→]	FAN ◀ON▶
Change cyclically	

Saving and Loading of USB backup state.

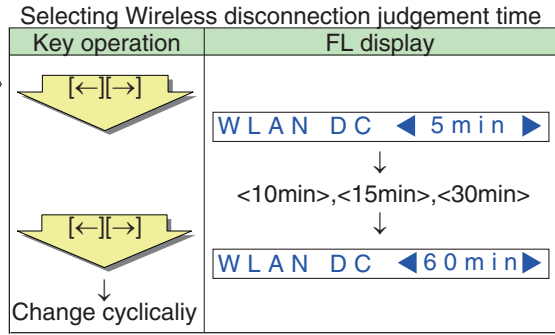
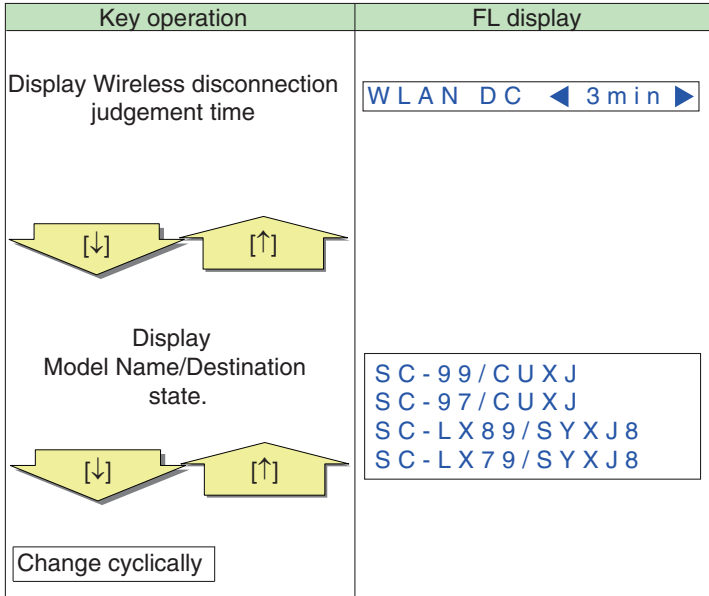
Key operation	FL display
[←][→]	(A/V Receiver → USB) USB BAK ◀SAVE?▶
[←][→]	(USB → A/V Receiver) USB BAK ◀LOAD?▶
Change cyclically	

D

Key operation	FL display
[ENTER]	PLEASE WAIT
SAVE or LOAD is completed.	COMPLETE
↓ 5-15 sec Power OFF (All zone OFF)	

E

F



**[Description]**

CEC TEST : The function for making the HDMI output terminal to output 1 kHz square wave. If the square wave is output, the CEC line is considered to be normal.

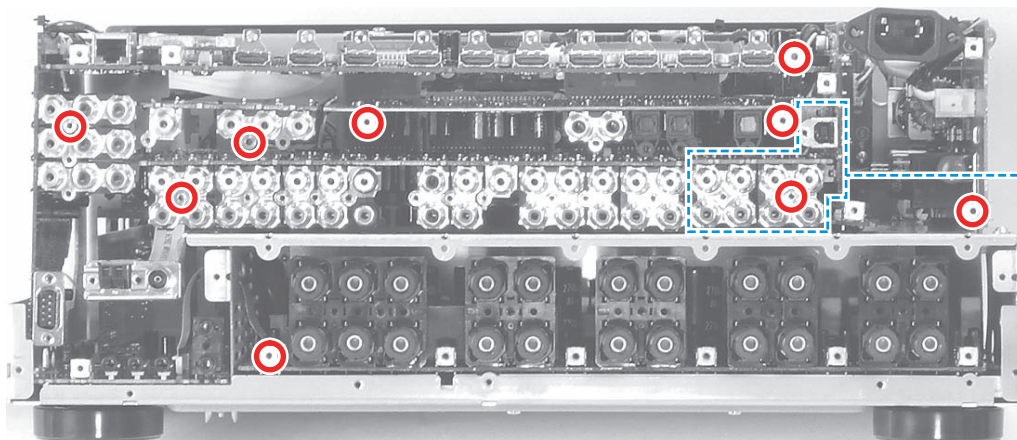
FAN TEST : The function for making the FAN to be forced to rotate.

# 7. DISASSEMBLY

## Ground Points

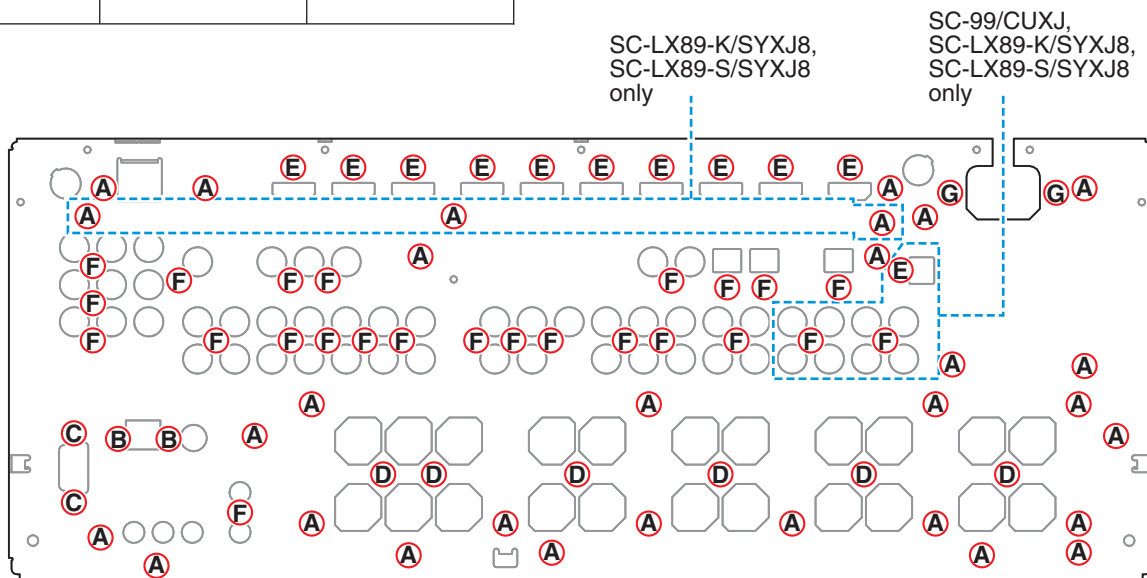
### Note:

The points marked below must be grounded when the Rear Panel is removed. Before turning the unit ON, be sure to ground the marked points with the Chassis /68. Or, you may short-circuit the ground points on the solder surface, using pieces of wire.



SC-99/CUXJ,  
SC-LX89-K/SYXJ8,  
SC-LX89-S/SYXJ8  
only

## Screws for Rear Panel



SC-LX89-K/SYXJ8,  
SC-LX89-S/SYXJ8  
only

SC-99/CUXJ,  
SC-LX89-K/SYXJ8,  
SC-LX89-S/SYXJ8  
only

**Note :**

(1) Even if the unit shown in the photos and illustrations in this manual may differ from your product, the procedures described here are common.

(2) For performing the diagnosis shown below, the following jigs for service is required.

- 15P FFC extension jig cable (GGD1680)
- 5P board to board extension jig cable (GGD1857)
- 29P board to board extension jig cable (GGD1856)
- 24P board to board extension jig cable (GGD1871) x 2
- 5P PH Housing ASSY extension jig cable (GGD1594)
- 23P board to board extension jig cable (GGD1875)
- 30P + 30P board to board extension jig cable (GGD1682)
- 28P board to board extension jig cable (GGD1867)
- 20P board to board extension jig cable (GGD1868)

(3) **Before starting the diagnosis, wait for three minutes until the electricity of the unit is discharged.**

**Disassembly**

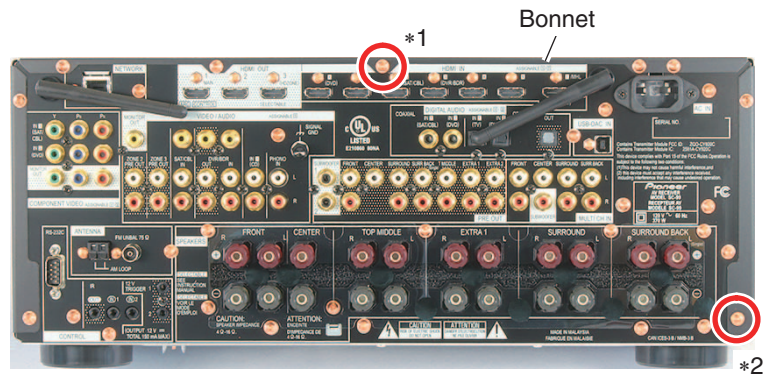
**[1] Front Section**

Remove the Bonnet by removing the 18 screws.

**Notes on assembling as to the Bonnet**

\*1: Tighten screw from the location \*1 on the photo.

\*2: Be careful. Only one screw is different from others.  
(IBP30P090FCC)



**[1-1] Front Section**

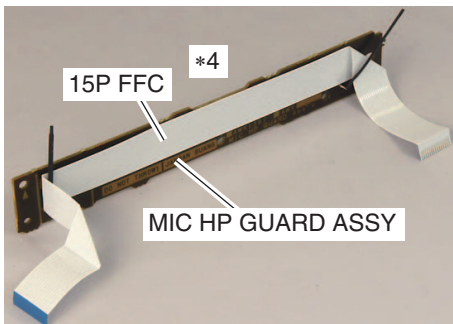
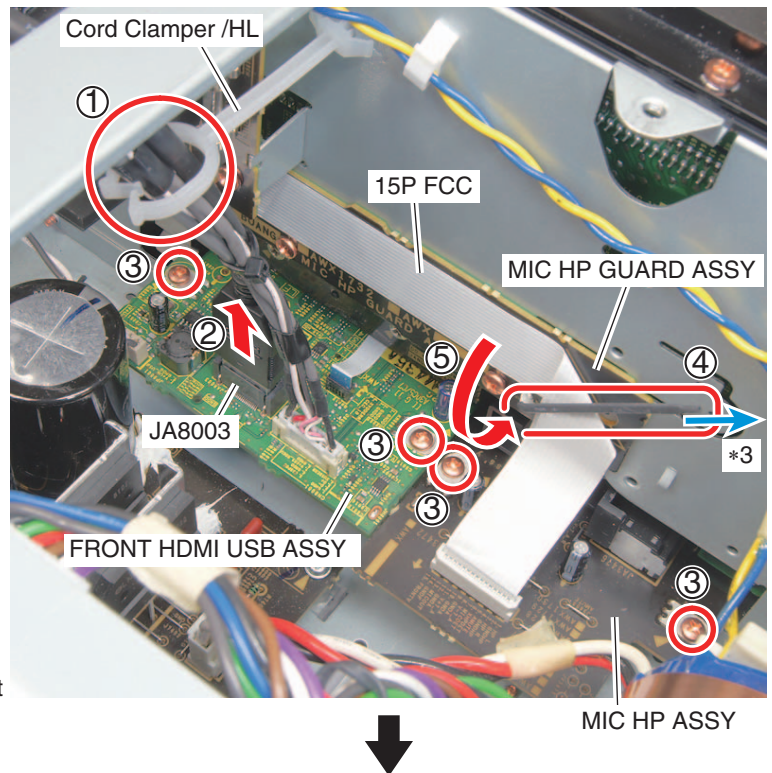
- (1) Release the cables from the Cord Clamper /HL.
- (2) Disconnect the connector.
- (3) Remove the four screws. (BBZ30P060FCC)
- (4) Release the 15P FFC (ADD7791) from the PCB binder.
- (5) Remove the 15P FFC (ADD7791) from the MIC HP GUARD ASSY and then move under the PCB binder.

**Note:** 15P FFC (ADD7791) is affixed with the Double Side Tape (10 x 110mm).

**Notes on assembling**

\*3: PCB binder tilt in the direction of the blue arrow.

\*4: How to bend the 15P FFC (ADD7791).

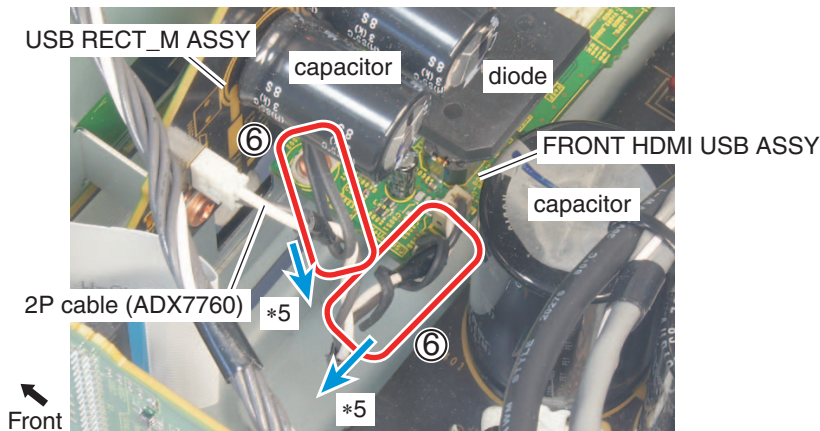




(6) Release the 2P cable (ADX7760) from the two PCB binders.

**Note on assembling**

\*5: Twist the two PCB binders around the 2P cable (ADX7760) and tilt in the direction of the blue arrow, so that it doesn't touch the capacitors and diode.



(7) Release the 15P FCC (ADD7791) from the PCB binder.

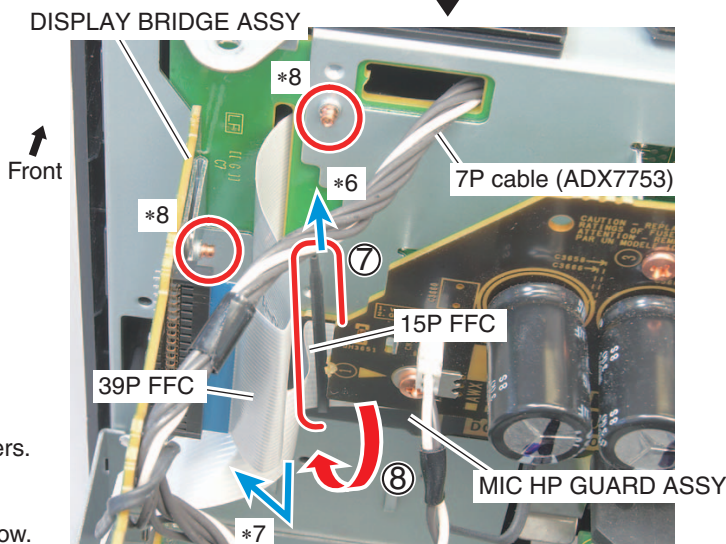
(8) Remove the 15P FCC (ADD7791) from the MIC HP GUARD ASSY and then move under the PCB binder.

**Notes on assembling**

\*6: PCB binder tilt in the direction of the blue arrow.

\*7: Bend the 39P FCC. (ADD7796)

\*8: Don't touch the cables to a top of screws.

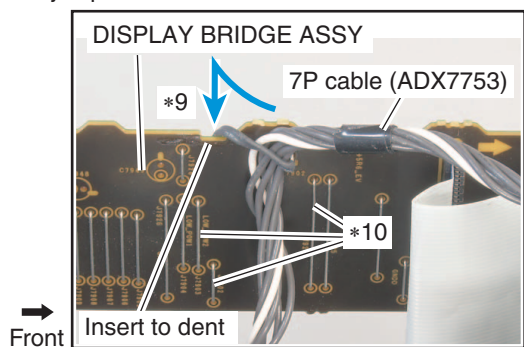


(9) Release the cables from the three PCB binders.

**Notes on assembling**

\*9: PCB binder tilt in the direction of the blue arrow.

\*10: Doesn't touch the 7P cable (ADX7753) to the jumper wires of the DISPLAY BRIDGE ASSY.



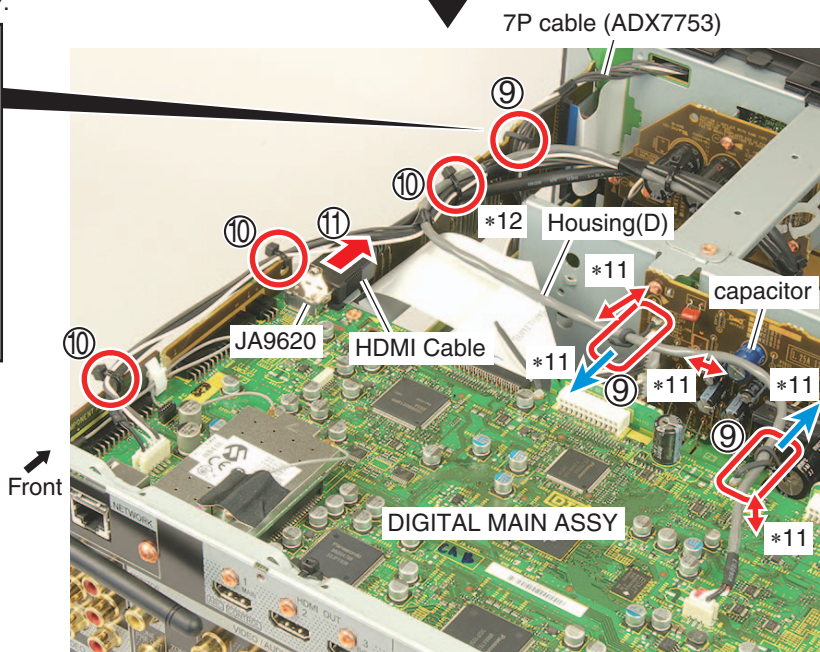
(10) Cut the three Binders.

(11) Remove the HDMI Cable (ADX7732) by disconnect the connector.

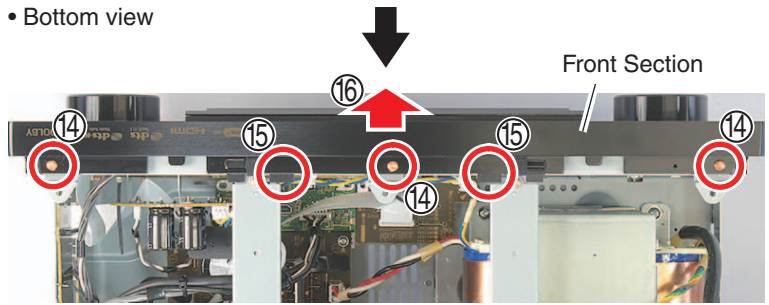
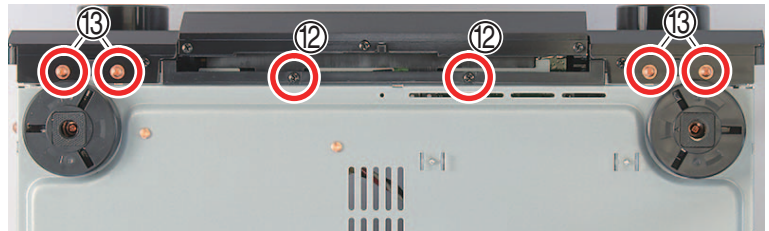
**Notes on assembling**

\*11: Twist the two PCB binders around the Housing(D) (ADX7821) and tilt in the direction of the blue arrow, so that it doesn't touch the DIGITAL MAIN ASSY, diode, capacitor, screw and the Bonnet.

\*12: HDMI Cabel (ADX7732) and Housing(D) (ADX7821) bind together inside.



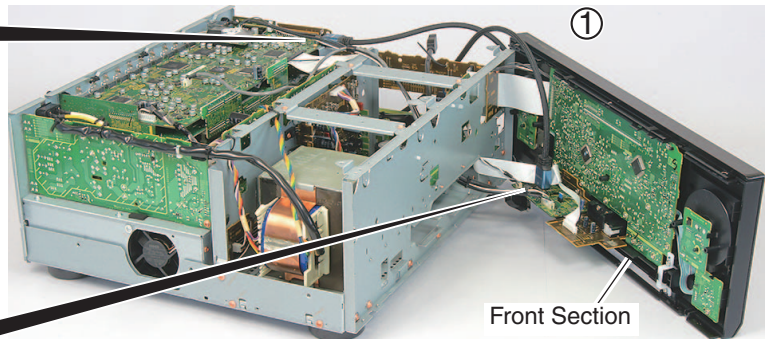
- (12) Remove the two screws.  
 ( SC-99/CUXJ : BBZ30P080FTB )  
 ( SC-97/CUXJ )  
 ( SC-LX89-K/SYXJ8 )  
 ( SC-LX79-K/SYXJ8 )  
 ( SC-LX89-S/SYXJ8 : BBZ30P080FNI )  
 ( SC-LX79-S/SYXJ8 )



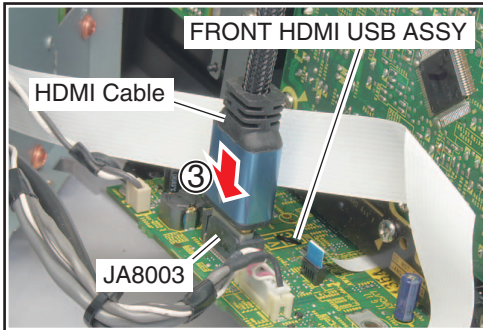
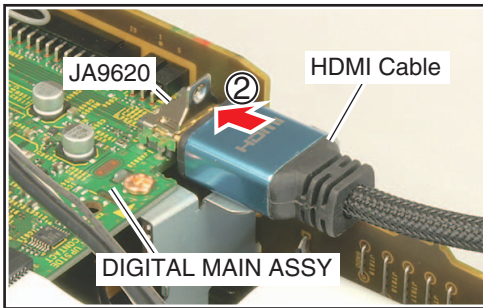
- (13) Remove the four screws. (ABA1193)
- (14) Remove the three screws. (BBT30P080FCC)
- (15) Unhook the two hooks.
- (16) Remove the Front Section.

**[1-2] Diagnosis**

- (1) Arrange the unit as shown in the photo.
- (2) Connect the another normal HDMI Cable.
- (3) Connect the another normal HDMI Cable from the DIGITAL MAIN ASSY.



**Note:** Always connect the HDMI Cable because the Wireless LED blinks, which causes a shutdown, if the power is turned on without the cable connected.



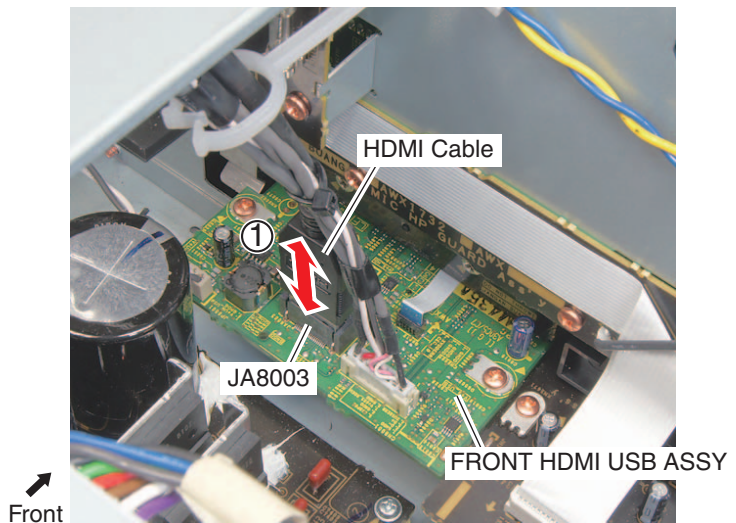
**[2] Rear Section**

Remove the Bonnet by removing the 18 screws.

**[2-1] Rear Section**

- (1) Remove the HDMI Cable (ADX7732) by disconnect the connector, and then connect the another normal HDMI Cable.

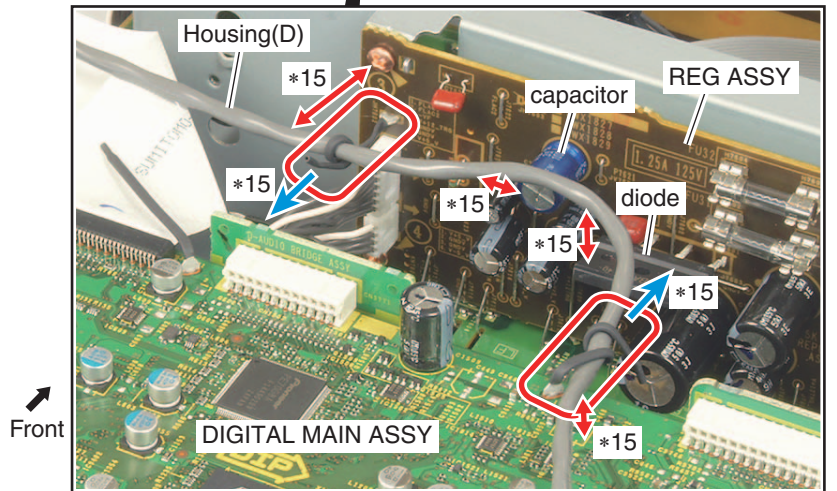
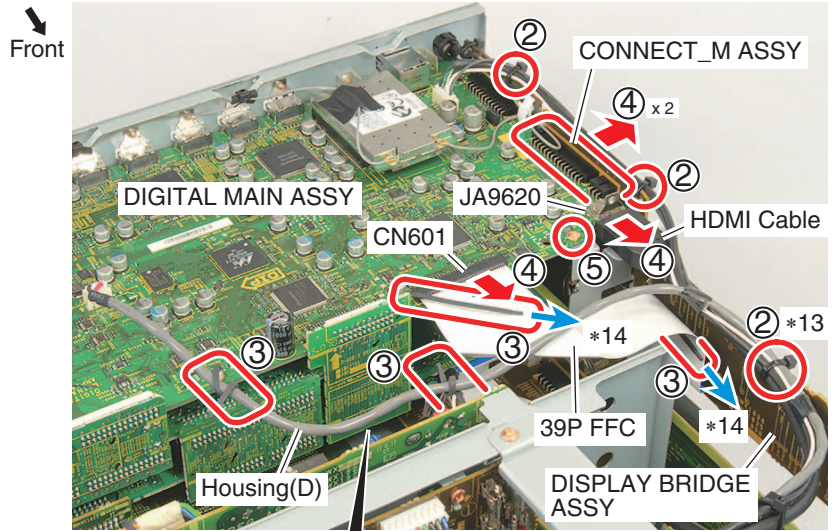
**Note:** Don't connect the HDMI Cable (ADX7732) provided with the product to prevent damage to the HDMI connector for the DIGITAL MAIN ASSY. Instead, use the another normal HDMI Cable to prevent a load from being applied to the HDMI connector.  
 Always connect the HDMI Cable because the Wireless LED blinks, which causes a shutdown, if the power is turned on without the cable connected.



- (2) Cut the three Binders.
- (3) Release the cables from the four PCB binders.
- (4) Disconnect the four connectors.
- (5) Remove the screw. (BBZ30P060FCC)

#### Notes on assembling

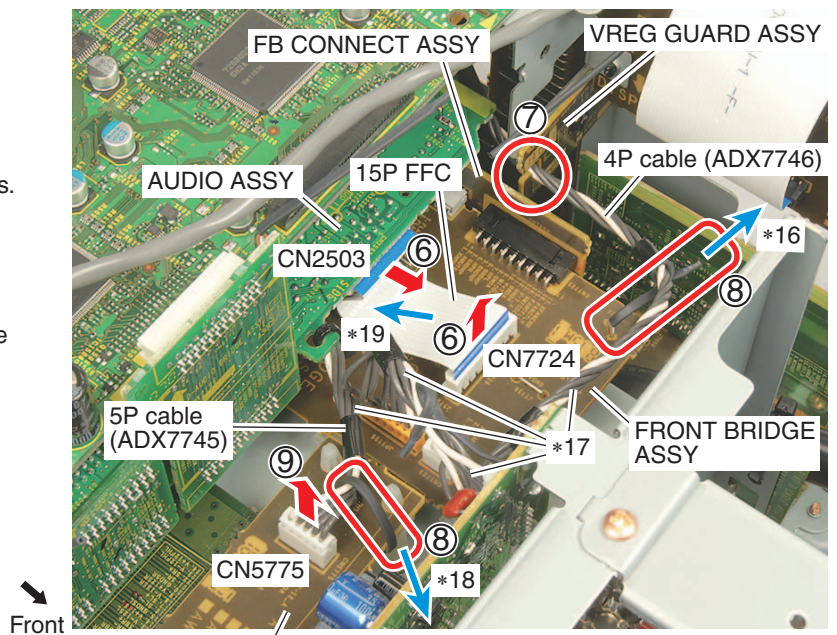
- \*13: HDMI Cabel (ADX7732) and Housing(D) (ADX7821) bind together inside.
- \*14: Two PCB binders tilt in the direction of the blue arrow.
- \*15: Twist the two PCB binders around the Housing(D) (ADX7821) and tilt in the direction of the blue arrow, so that it doesn't touch the DIGITAL MAIN ASSY, diode, capacitor, screw and the Bonnet.



- (6) Remove the 15P FFC (ADD7725) by disconnect the two connectors.
- (7) Release the 4P cable (ADX7746: from COMPONENT ASSY) from hook of the VREG GUARD ASSY.
- (8) Release the cables from the two PCB binders.
- (9) Disconnect the connector.

#### Notes on assembling

- \*16: Twist the PCB binder around the 4P cable (ADX7746) and tilt in the direction of the blue arrow, so that it doesn't touch the FB CONNECT ASSY and plate.
- \*17: Don't touch the other cables.
- \*18: PCB binder tilt in the direction of the blue arrow and pull the 5P cable (ADX7745: from AUDIO ASSY) to the opposite direction.
- \*19: Push the 15P FFC (ADD7725) and bend it to the lower side.

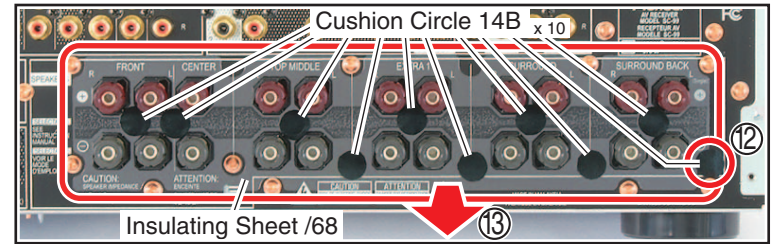
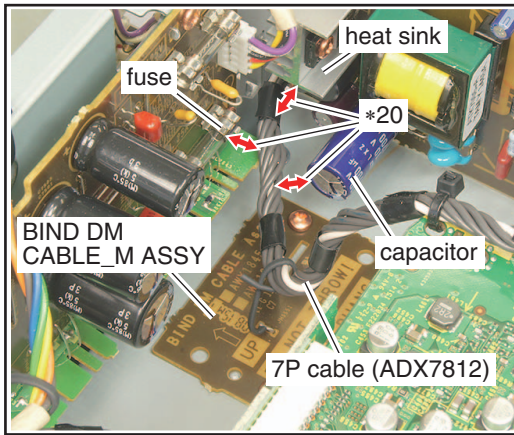
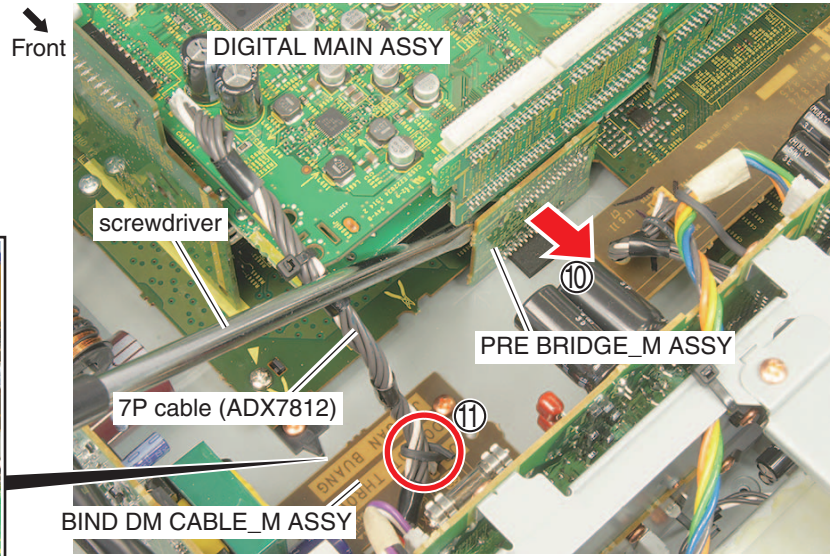


A REG BRIDGE ASSY

- (10) Remove the PRE BRIDGE\_M ASSY.
- (11) Release the 7P cable (ADX7812: from PRIMARY ASSY) from the PCB binder.

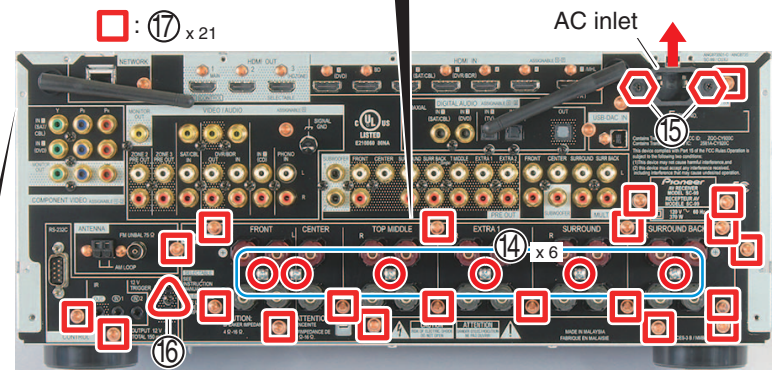
**Note on assembling**

\*20: Doesn't touch the cable to the capacitor, heat sink and fuse.

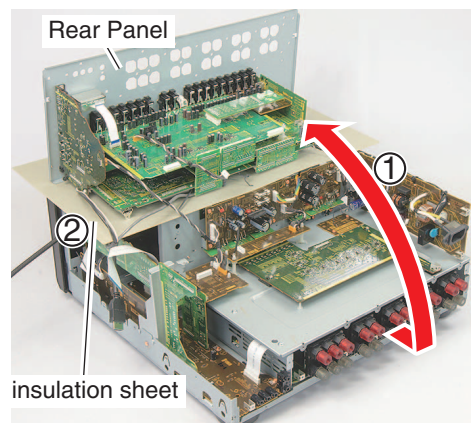
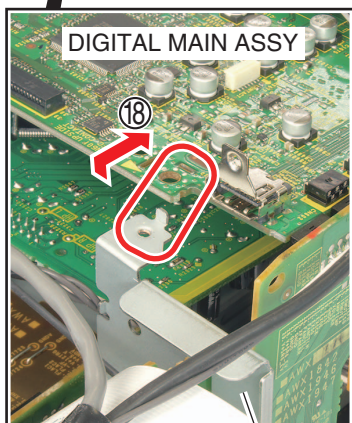


- (12) Remove the Cushion Circle 14B.
- (13) Remove the Insulating Sheet /68 (with the nine Cushion Circle 14Bs).

- (14) Remove the six screws. (BPZ30P100FTC)
- (15) Remove the AC inlet by removing the two screws. (CBZ30P080FTB)
- (16) Remove the screw. (BPZ30P080FTB)
- (17) Remove the 21 screws. (ABA1011)



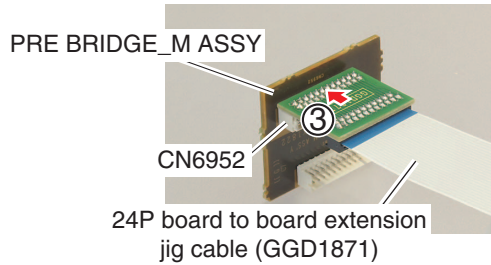
- (18) Unhook the hook.



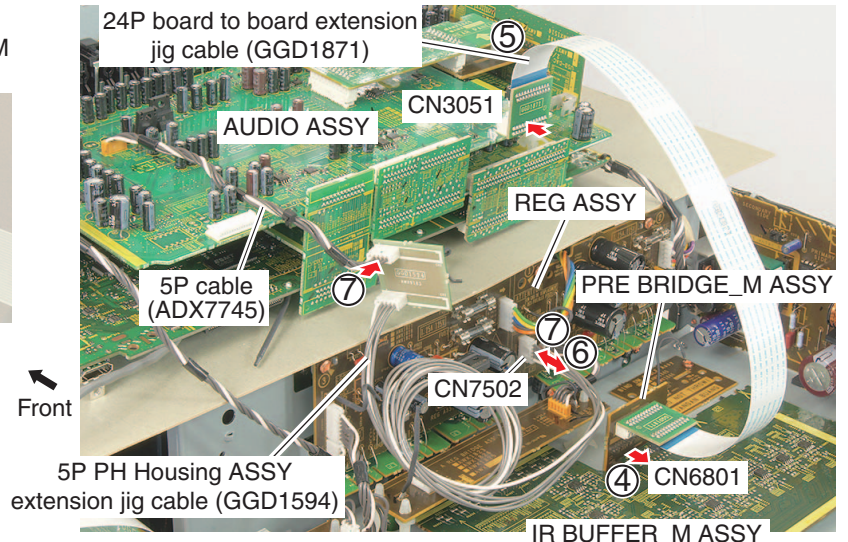
**[2-2] Diagnosis**

- (1) Arrange the unit as shown in the photo.
- (2) Insert the insulation sheet.

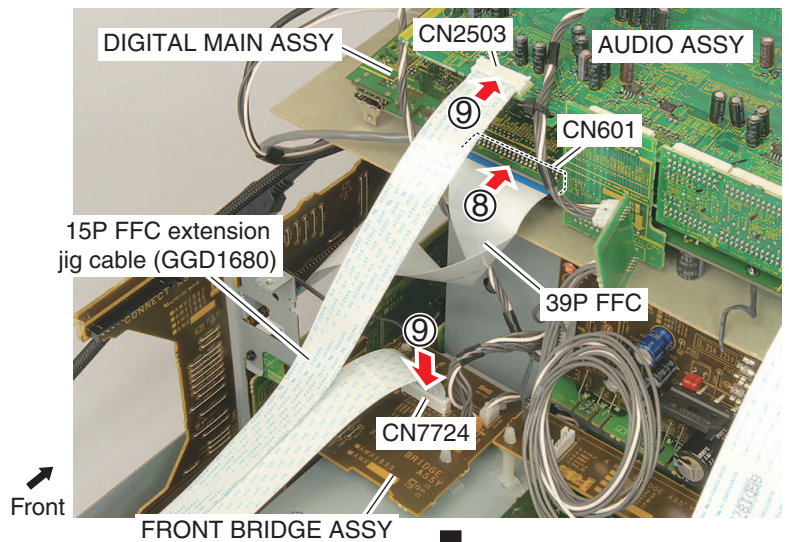
- (3) Connect the 24P board to board extension jig cable (GGD1871) to the PRE BRIDGE\_M ASSY.



- (4) Attach the PRE BRIDGE\_M ASSY to the IR BUFFER\_M ASSY.
- (5) Connect the 24P board to board extension jig cable. (GGD1871) (PRE BRIDGE\_M CN6952 <-> AUDIO CN3051)
- (6) Disconnect the connector.
- (7) Connect the 5P PH Housing ASSY extension jig cable. (GGD1594) (AUDIO ADX7745 <-> REG CN7502)



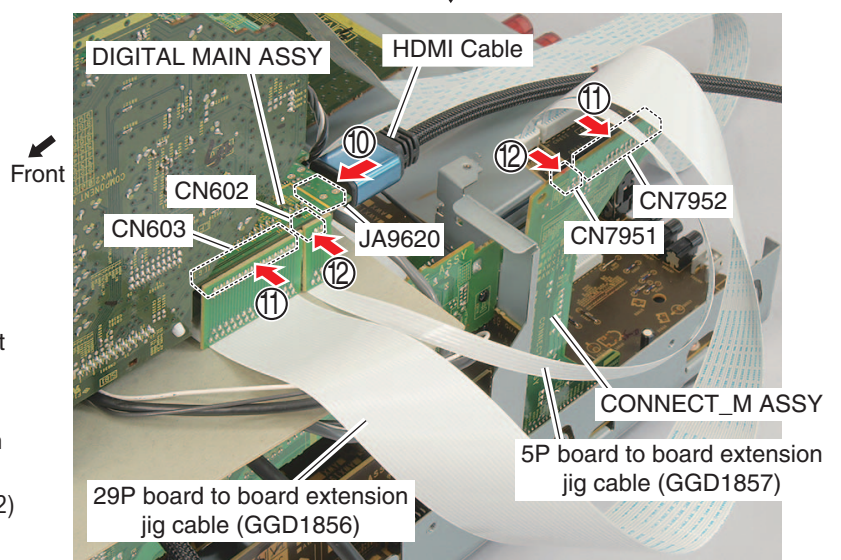
- (8) Connect the connector.
- (9) Connect the 15P FFC extension jig cable. (GGD1680) (AUDIO CN2503 <-> FRONT BRIDGE CN7724)



- (10) Connect the another normal HDMI Cable from the FRONT HDMI USB ASSY.

**Note:** Don't connect the HDMI Cable (ADX7732) provided with the product to prevent damage to the HDMI connector. Instead, use the another normal HDMI Cable to prevent a load from being applied to the HDMI connector. Always connect the HDMI Cable because the Wireless LED blinks, which causes a shutdown, if the power is turned on without the cable connected.

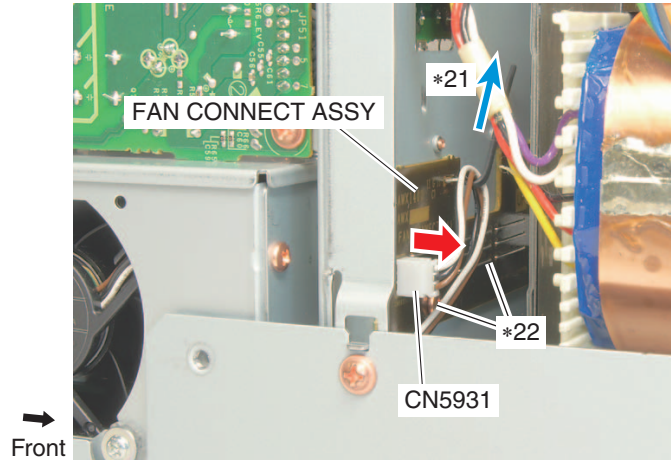
- (11) Connect the 29P board to board extension jig cable. (GGD1856) (DIGITAL MAIN CN603 <-> CONNECT\_M CN7952)
- (12) Connect the 5P board to board extension jig cable. (GGD1857) (DIGITAL MAIN CN602 <-> CONNECT\_M CN7951)



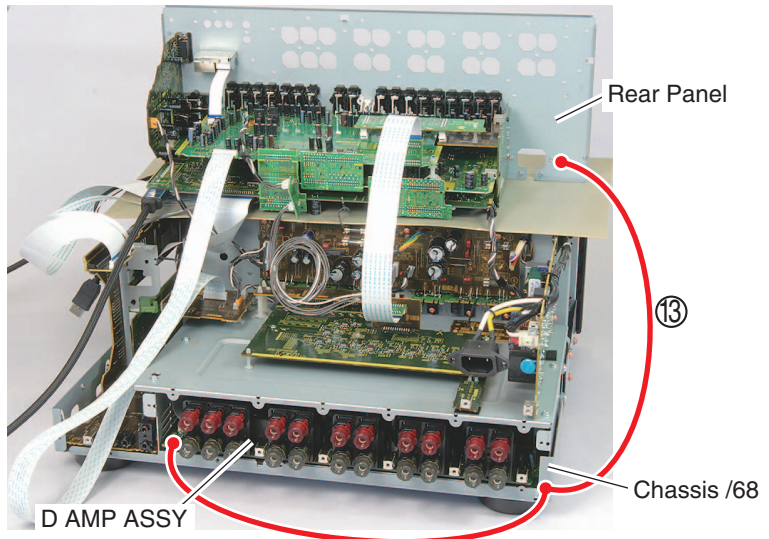
**Note:** When diagnosing, it is not necessary to connect Fan Cable (FAN CONNECT ASSY: CN5931).

**Notes on assembling**

- \*21: PCB binder tilt in the direction of the blue arrow.
- \*22: This cable doesn't touch the jumper wires and screw.



(13) Connect the Rear Panel to the Chassis /68 Ground and GND point of the D AMP ASSY. (Refer to the “Ground Points” for the GND point of the D AMP ASSY.)



**[3] D AMP ASSY**

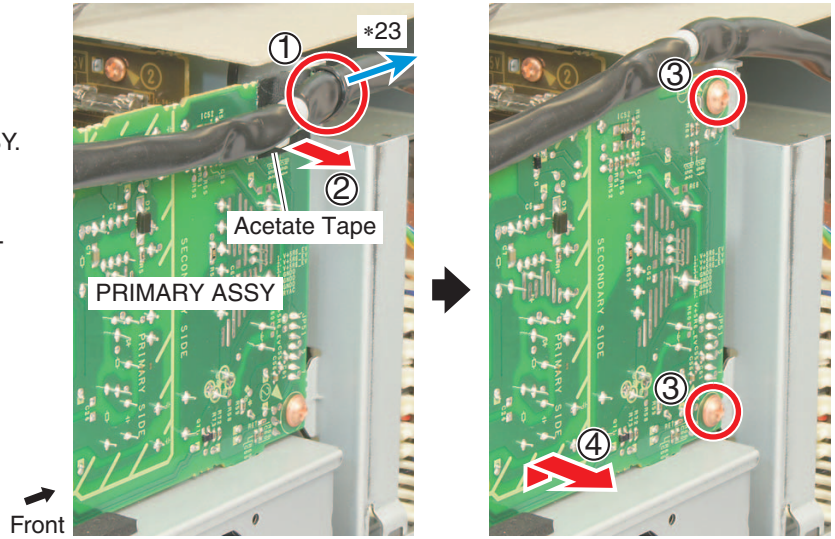
Remove the Rear Section.  
 (Refer to the “[2] Rear Section”)  
 Remove the 24P board to board extension jig cable (GGD1871) and the PRE BRIDGE\_M ASSY.  
 (Refer to the step (5) and (4) of “[2-2] Diagnosis”.)

**[3-1] Remove the IR Cover 85 (MTL)**

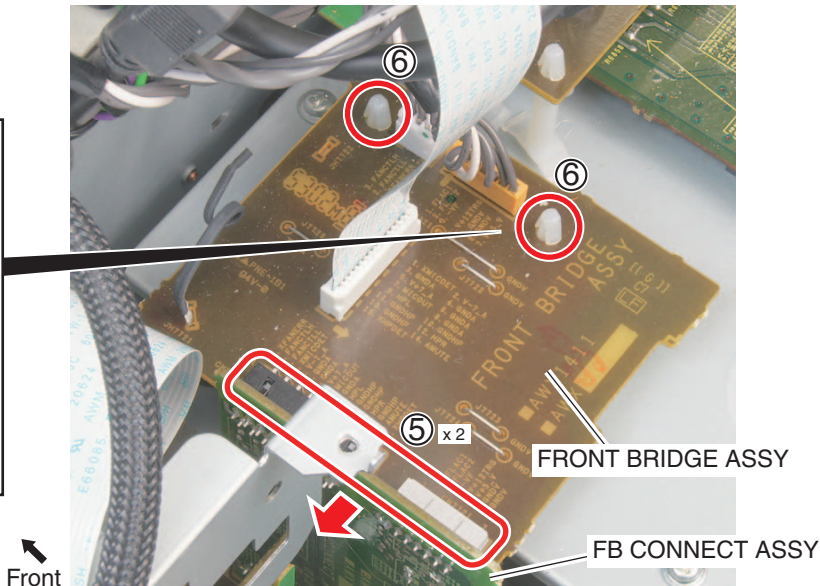
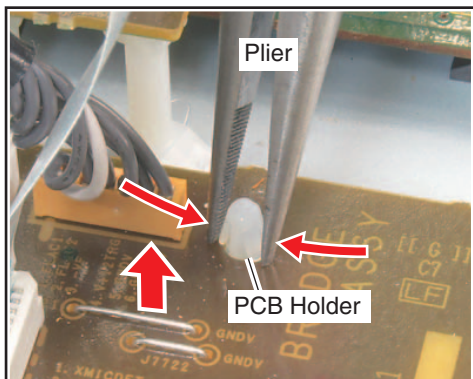
- (1) Cut the Binder.
- (2) Remove the Acetate Tape.
- (3) Remove the two screws. (ABA1011)
- (4) Remove the PRIMARY ASSY.

**Note on assembling**

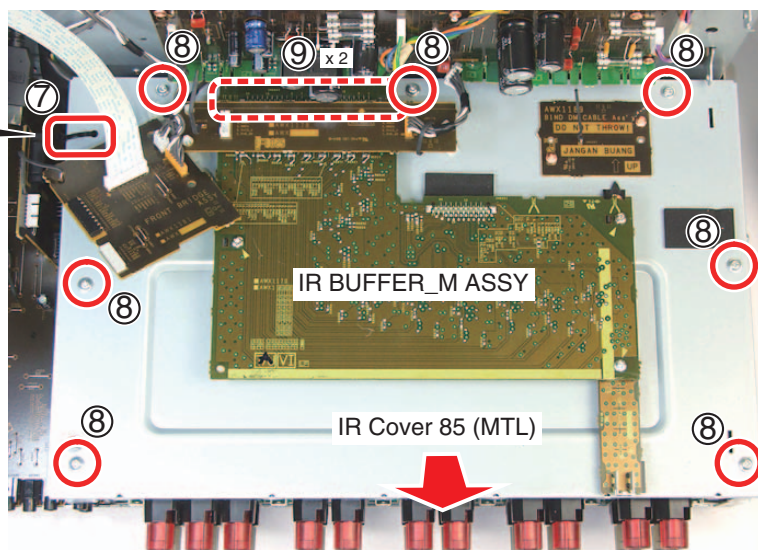
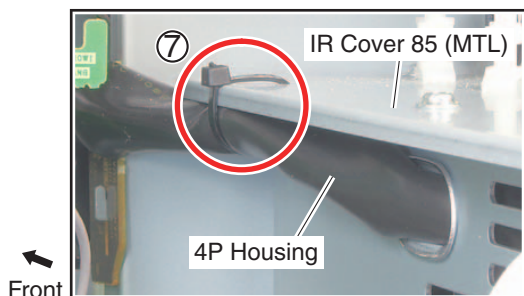
\*23: After cable is bounded, pull the extra length to the direction of the blue arrow.



- (5) Disconnect the two connectors.
- (6) Remove the FRONT BRIDGE ASSY from the two PCB Holders, using the Plier.



- (7) Cut the Binder.

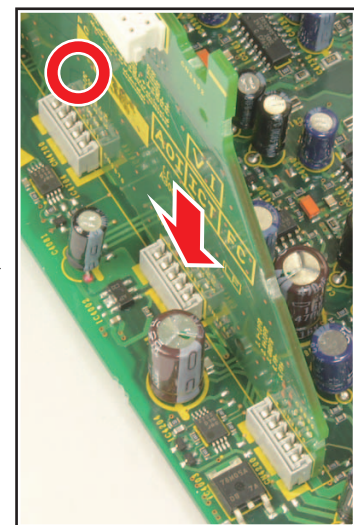
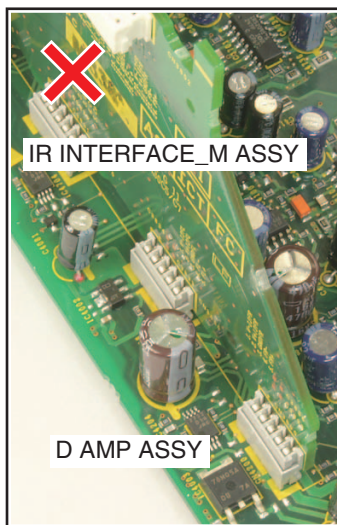


- (8) Remove the seven screws. (AMZ30P060FTC)
- (9) Disconnect the two connectors and then remove the IR Cover 85 (MTL) (with other ASSY).

**Note on assembling :**

To attach the IR Cover 85 (MTL) in the correct position, refer to the “[2] Attach the IR Cover 85 (MTL)” of “Assembling of Digital Amplifier Block”.

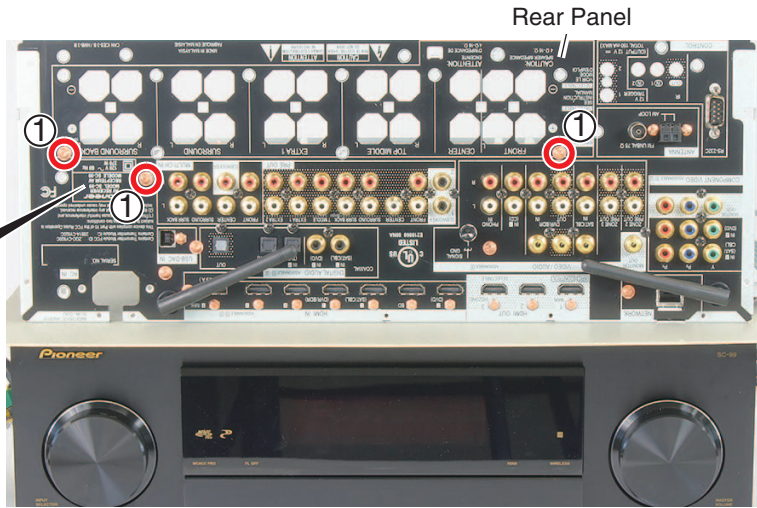
**Note:** If IR BUFFER\_M ASSY is removed, connectors of IR INTERFACE\_M ASSY may be loosened. Attach the connectors securely.



[3-2] Diagnosis

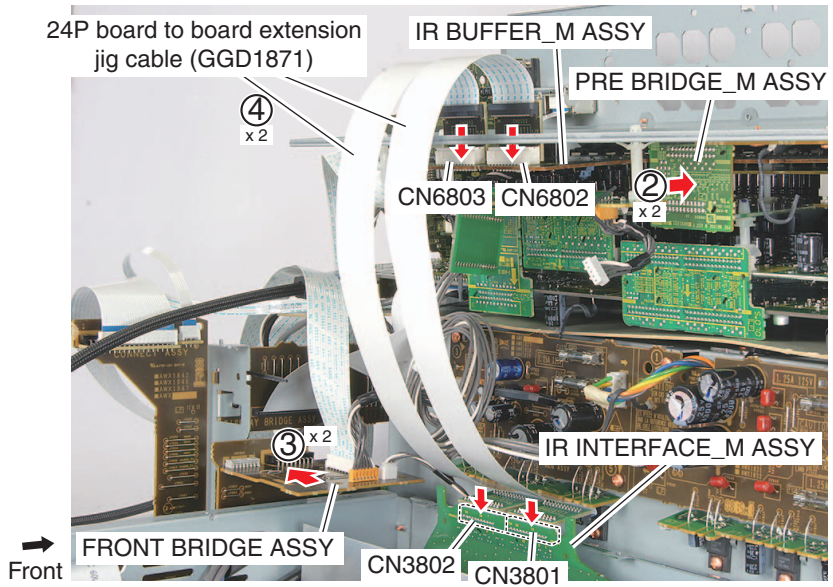
- (1) Temporarily attach the IR Cover 85 (MTL) to the Rear Panel, using the three screws. (ABA1011)

A



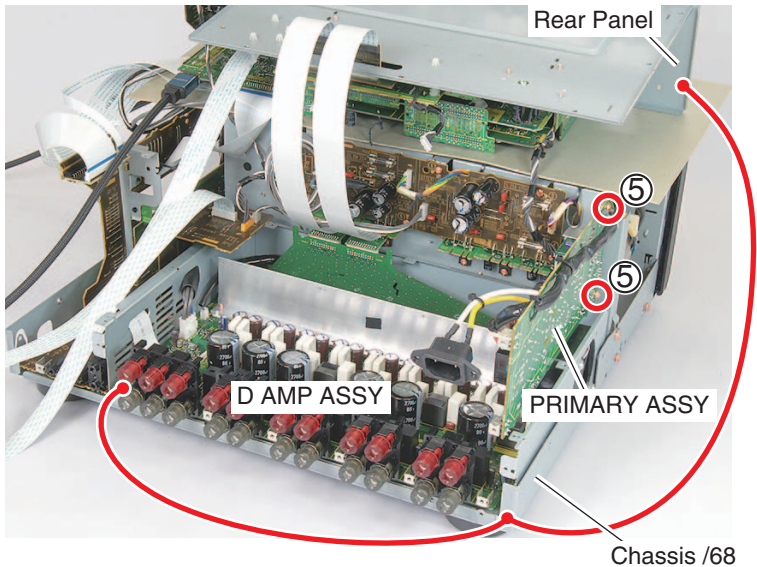
- (2) Connect the two connectors and then attach the PRE BRIDGE\_M ASSY.
- (3) Connect the two connectors and then attach the FRONT BRIDGE ASSY.
- (4) Connect the two 24P board to board extension jig cables. (GGD1871)  
 (IR INTERFACE\_M CN3801 <-> IR BUFFER\_M CN6802)  
 (IR INTERFACE\_M CN3802 <-> IR BUFFER\_M CN6803)

C



- (5) Attach the PRIMARY ASSY, using the two screws. (ABA1011)

E

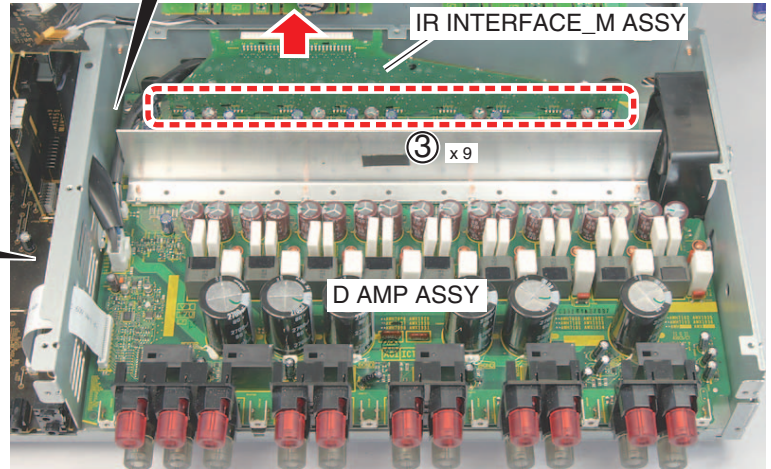
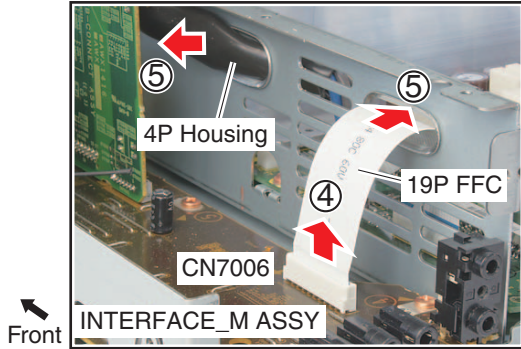
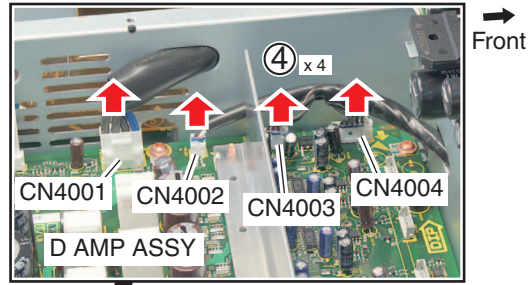


F



**[3-3] Remove the D AMP ASSY**

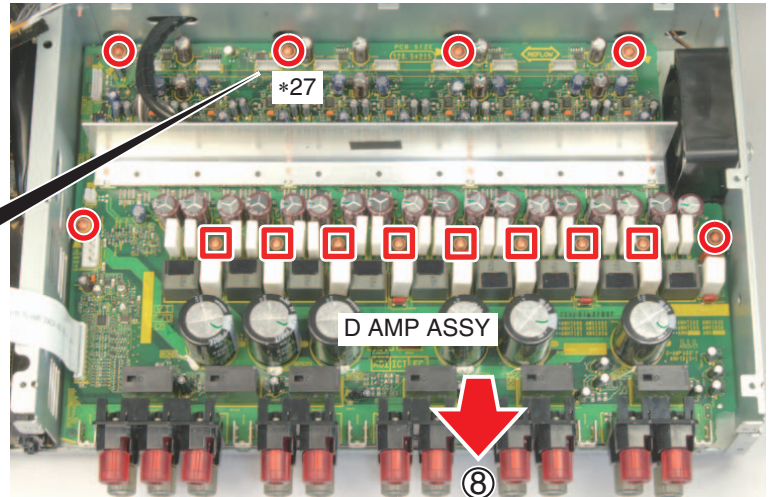
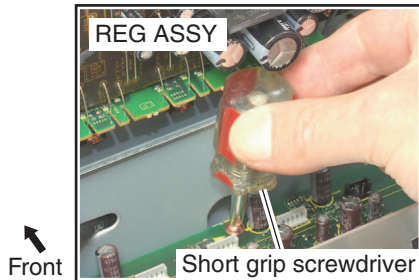
- (1) Disconnect the two 24P board to board extension jig cables (GGD1871) and remove the PRIMARY ASSY and the FRONT BRIDGE ASSY.  
(Refer to the step (5) to (3) of "[3-2] Diagnosis")
- (2) Remove the GND cable.  
(Refer to the step (13) of "[2-2] Diagnosis")
- (3) Remove the IR INTERFACE\_M ASSY.
- (4) Disconnect the five connectors.
- (5) Pull out the two cables from the two holes.



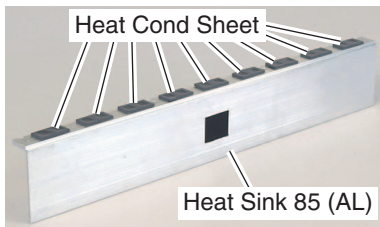
- (6) Remove the six screws. (ABA1011)
- (7) Remove the eight screws. (IBZ30P150FCC)
- (8) Remove the D AMP ASSY.

**Note:** The screw at position \*27 cannot be unscrewed using a usual screwdriver because it touch a capacitor in the REG ASSY. Unscrew and secure it using a screwdriver with a short grip.

○: ⑥ x 6    □: ⑦ x 8

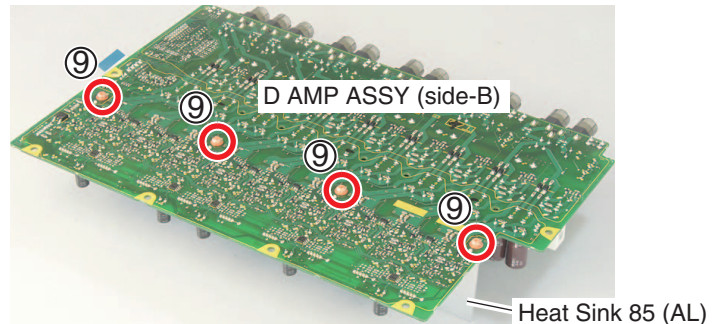


- (9) Remove the four screws. (ABA1052)
- (10) Remove the Heat Sink 85 (AL) and the nine Heat Cond Sheets with side-A of the D AMP ASSY facing upward.



**Note on assembling**

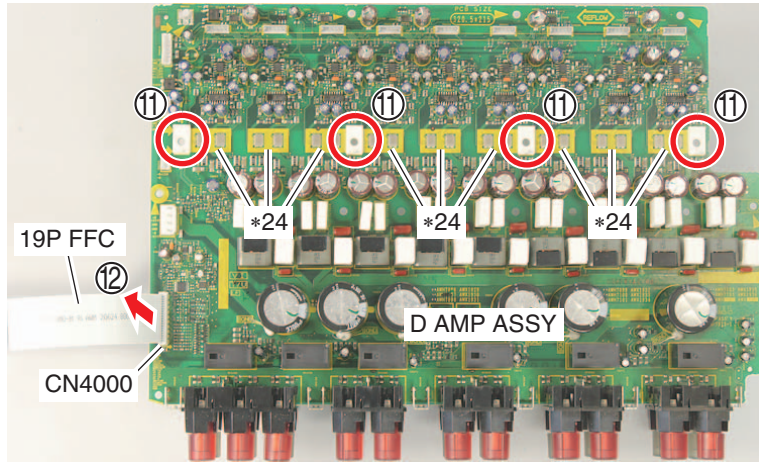
\*24: When you exchange the Heat Cond Sheets, attach the new Heat Cond Sheets into the yellow marks of the D AMP ASSY.



- (11) Remove the four Heat Sink Spacer (PLS)s.
- (12) Remove the 19P FFC (ADD7795) by disconnect the connector.

**Note on assembling :**

To attach the D AMP ASSY in the correct position, refer to the "[1] Attach the D AMP ASSY" of "Assembling of Digital Amplifier Block".



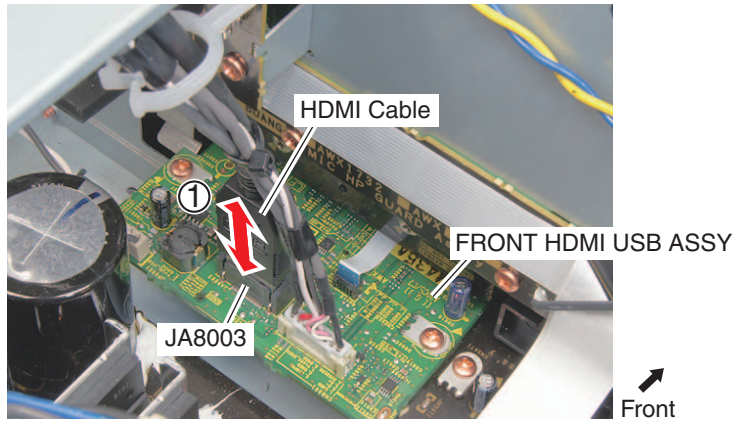
**[4] DIGITAL MAIN ASSY and DAC HIGH ASSY**

Remove the Bonnet by removing the 18 screws.

**[4-1] DIGITAL MAIN ASSY**

- (1) Remove the HDMI Cable (ADX7732) by disconnect the connector, and then connect the another normal HDMI Cable.

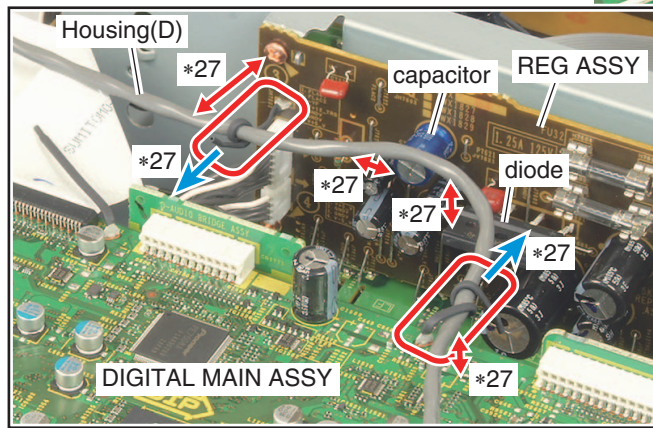
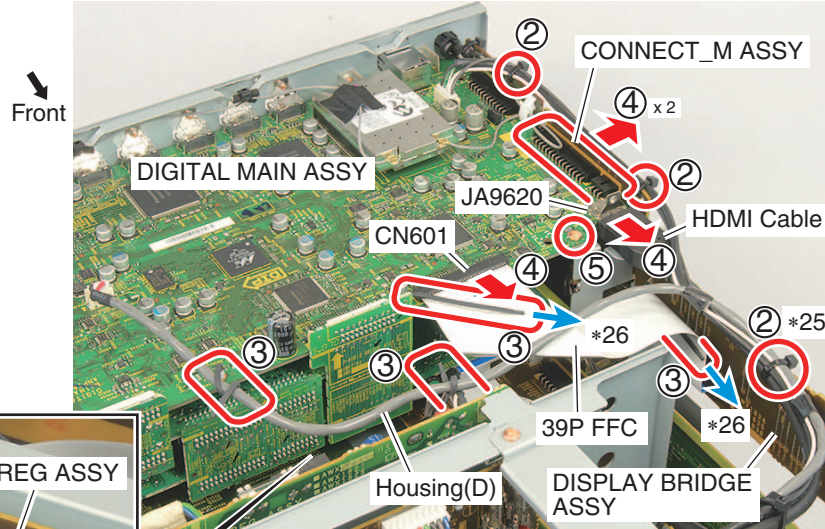
**Note:** Don't connect the HDMI Cable (ADX7732) provided with the product to prevent damage to the HDMI connector for the DIGITAL MAIN ASSY. Instead, use the another normal HDMI Cable to prevent a load from being applied to the HDMI connector. Always connect the HDMI Cable because the Wireless LED blinks, which causes a shutdown, if the power is turned on without the cable connected.



- (2) Cut the three Binders.
- (3) Release the cables from the four PCB binders.
- (4) Disconnect the four connectors.
- (5) Remove the screw. (BBZ30P060FCC)

**Notes on assembling**

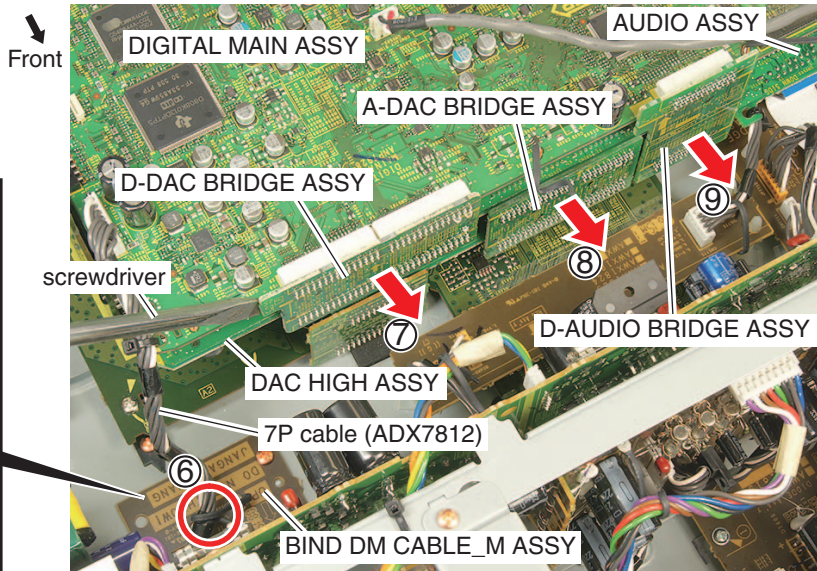
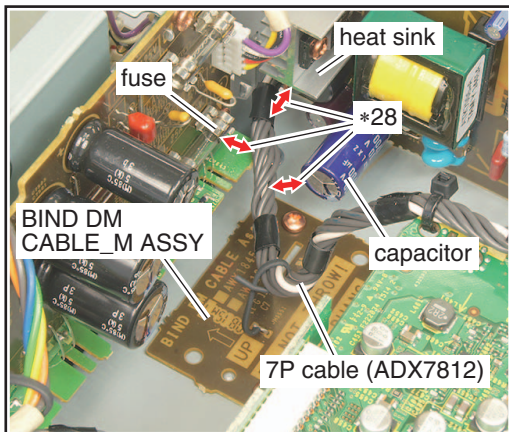
- \*25: HDMI Cabel (ADX7732) and Housing(D) (ADX7821) bind together inside.
- \*26: Two PCB binders tilt in the direction of the blue arrow.
- \*27: Twist the two PCB binders around the Housing(D) (ADX7821) and tilt in the direction of the blue arrow, so that it doesn't touch the DIGITAL MAIN ASSY, diode, capacitor, screw and the Bonnet.



(6) Release the 7P cable (ADX7812: from PRIMARY ASSY) from the PCB binder.

**Note on assembling**

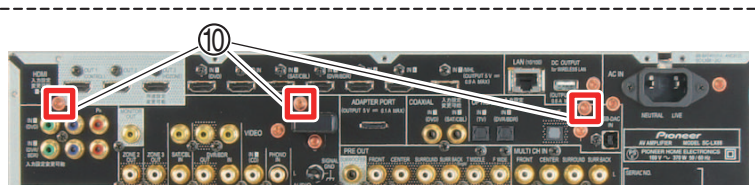
\*28: Doesn't touch the cable to the capacitor, heat sink and fuse.



- (7) Remove the D-DAC BRIDGE ASSY.
- (8) Remove the A-DAC BRIDGE ASSY.
- (9) Remove the D-AUDIO BRIDGE ASSY.

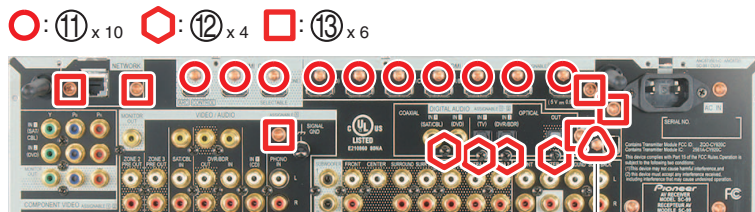
SC-LX89-K/SYXJ8,  
SC-LX89-S/SYXJ8 only

(10) Remove the three screws. (ABA1011)



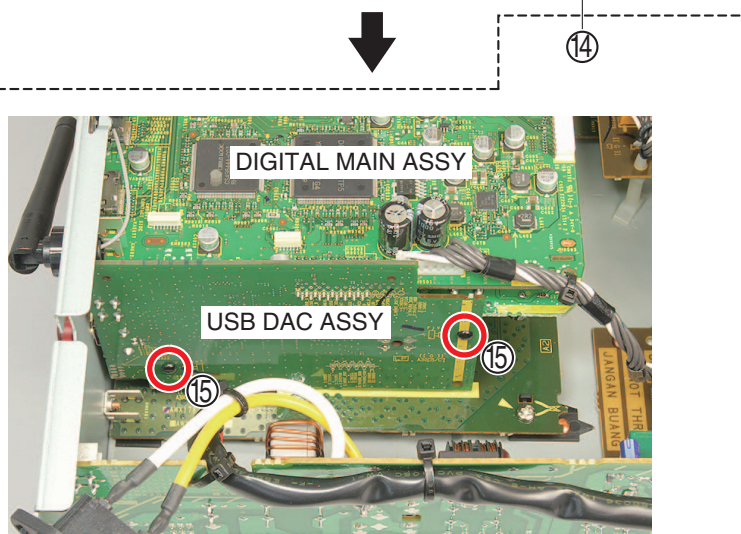
(Photo: SC-LX88)

- (11) Remove the ten screws. (BMZ30P040FCC)
- (12) Remove the four screws. (BPZ30P080FTB)
- (13) Remove the six screws. (ABA1011)



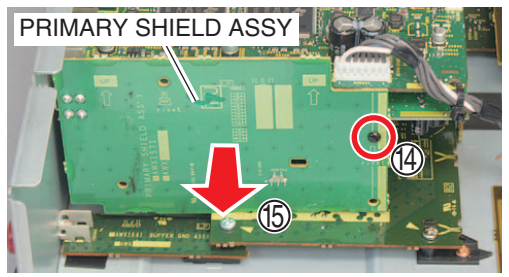
SC-99/CUXJ,  
SC-LX89-K/SYXJ8,  
SC-LX89-S/SYXJ8 only

- (14) Remove the screw. (BMZ30P040FCC)
- (15) Remove the two Push Rivets. (AEC7071)



SC-97/CUXJ,  
SC-LX79-K/SYXJ8,  
SC-LX79-S/SYXJ8 only

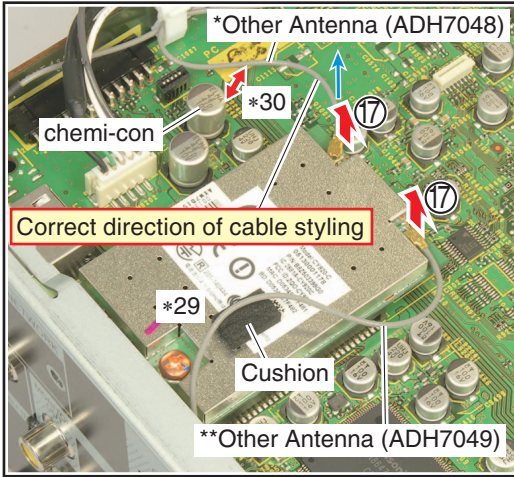
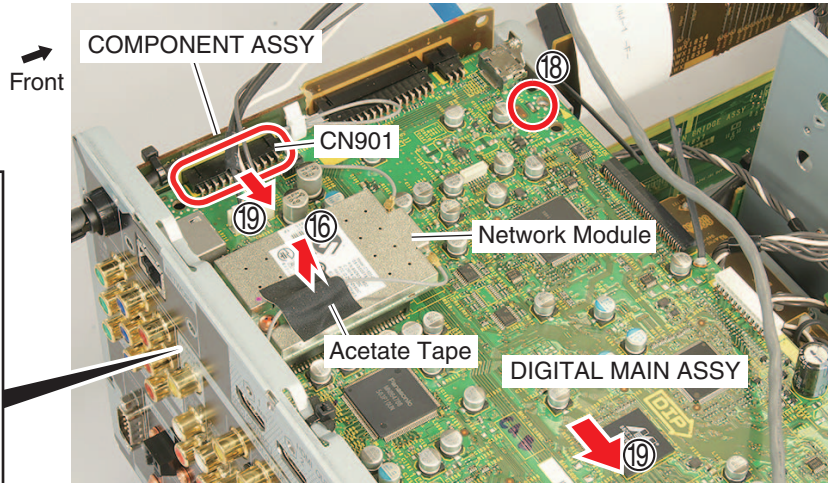
- (14) Remove the Push Rivet.
- (15) Remove the PRIMARY SHIELD ASSY.



Front

- (16) Remove the Acetate Tape.
- (17) Disconnect the two connectors.
- (18) Unhook the hook.
- (19) Disconnect the connector and then remove the DIGITAL MAIN ASSY.

A



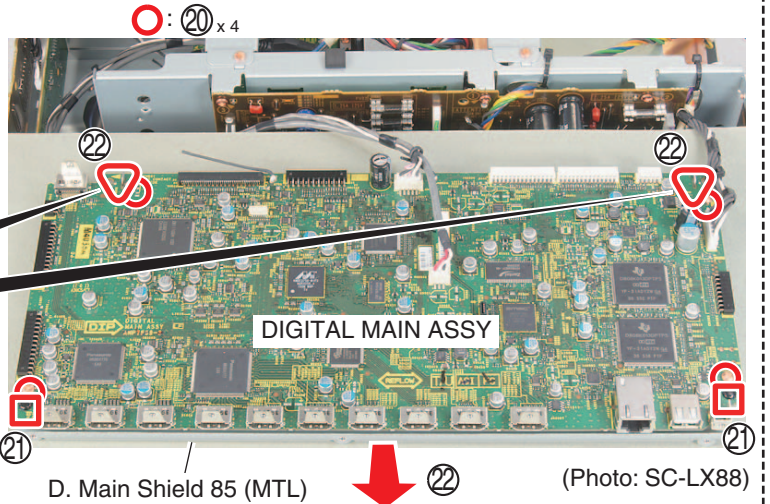
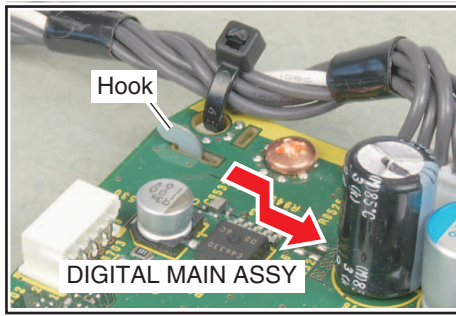
**Notes on assembling**

- \*29: Lay the \*\*Other Antenna (ADH7049) on the Cushion and then affix the Acetate Tape over them.
- \*30: \*Other Antenna (ADH7048) doesn't touch to the chemi-con.
- \* Except SC-99/CUXJ, SC-97/CUXJ: ANT CONN-Cable (ADH7046)
- \*\* Except SC-99/CUXJ, SC-97/CUXJ: ANT CONN-Cable (ADH7051)

SC-LX89-K/SYXJ8,  
SC-LX89-S/SYXJ8 only

C

- (20) Remove the four screws. (BBZ30P060FCC)
- (21) Remove the two Nylon Rivets. (AEC7406)
- (22) Remove the two Hooks and then remove the D. Main Shield 85 (MTL).

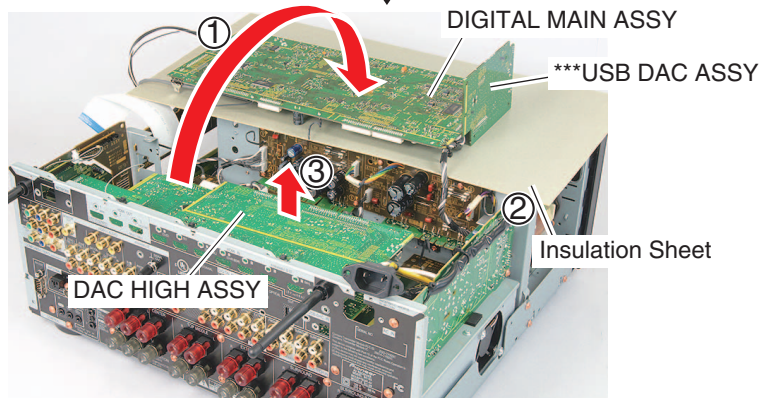


D

**[4-2] Diagnosis**

- (1) Arrange the DIGITAL MAIN ASSY (\*\*\*) with the USB DAC ASSY) as shown in the photo.
- (2) Insert the Insulation Sheet.
- (3) Remove the DAC HIGH ASSY.

E



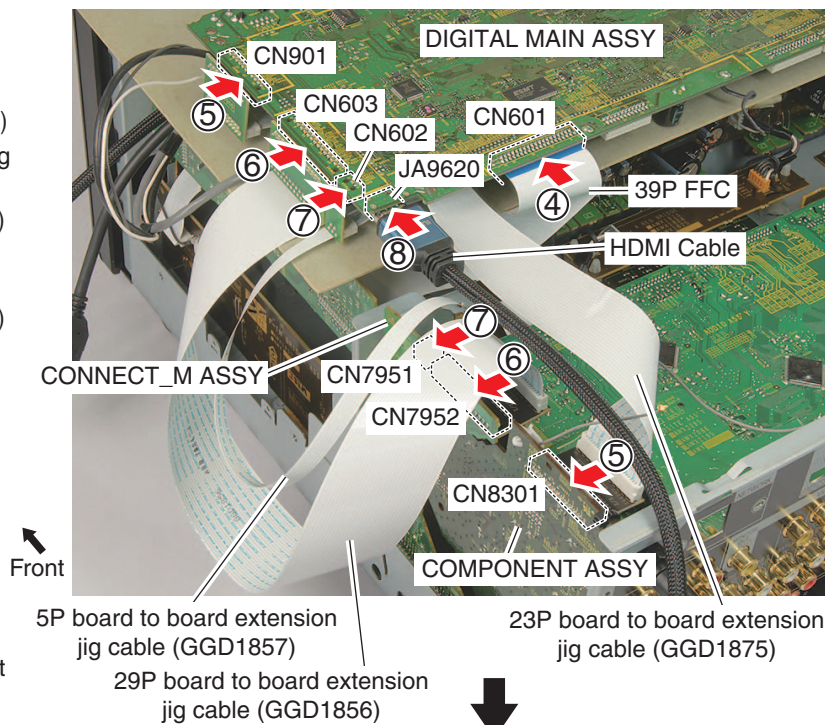
\*\*\*SC-99/CUXJ, SC-LX89-K/SYXJ8, SC-LX89-S/SYXJ8 only

F

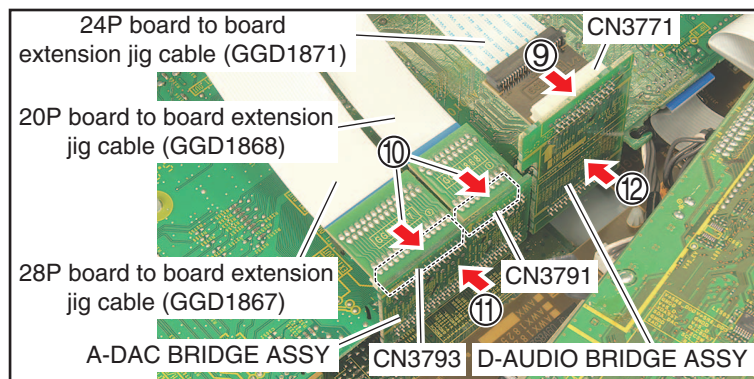
- (4) Connect the connector.
- (5) Connect the 23P board to board extension jig cable. (GGD1875)  
(DIGITAL MAIN CN901 <-> COMPONENT CN8301)
- (6) Connect the 29P board to board extension jig cable. (GGD1856)  
(DIGITAL MAIN CN603 <-> CONNECT\_M CN7952)
- (7) Connect the 5P board to board extension jig cable. (GGD1857)  
(DIGITAL MAIN CN602 <-> CONNECT\_M CN7951)
- (8) Connect the another normal HDMI Cable from the FRONT HDMI USB ASSY.

**Note:** Don't connect the HDMI Cable (ADX7732) provided with the product to prevent damage to the HDMI connector. Instead, use the another normal HDMI Cable to prevent a load from being applied to the HDMI connector.

Always connect the HDMI Cable because the Wireless LED blinks, which causes a shutdown, if the power is turned on without the cable connected.



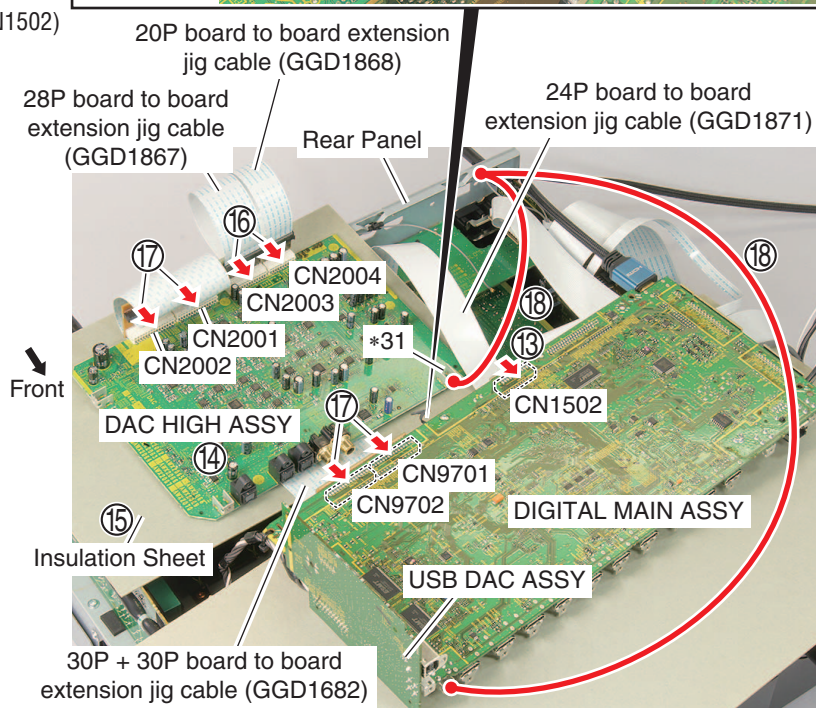
- (9) Connect the 24P board to board extension jig cable (GGD1871) to the D-AUDIO BRIDGE ASSY.
- (10) Connect the 28P board to board extension jig cable (GGD1867) and the 20P board to board extension jig cable (GGD1868) to the A-DAC BRIDGE ASSY.
- (11) Attach the A-DAC BRIDGE ASSY to the AUDIO ASSY.
- (12) Attach the D-AUDIO BRIDGE ASSY to the AUDIO ASSY.
- (13) Connect the 24P board to board extension jig cable (GGD1871) to the DIGITAL MAIN ASSY.  
(D-AUDIO BRIDGE CN3771 <-> DIGITAL MAIN CN1502)



- (14) Arrange the DAC HIGH ASSY as shown in the photo.
- (15) Insert the Insulation Sheet.
- (16) Connect the 28P board to board extension jig cable (GGD1867) and the 20P board to board extension jig cable (GGD1868) to the DAC HIGH ASSY.  
(A-DAC BRIDGE CN3793 <-> DAC HIGH CN2003)  
(A-DAC BRIDGE CN3791 <-> DAC HIGH CN2004)
- (17) Connect the 30P + 30P board to board extension jig cable. (GGD1682)  
(DAC HIGH CN2001 <-> DIGITAL MAIN CN9701)  
(DAC HIGH CN2002 <-> DIGITAL MAIN CN9702)
- (18) Connect the DIGITAL MAIN ASSY and DAC HIGH ASSY to the Rear Panel Ground.  
(Refer to the "Ground points.")

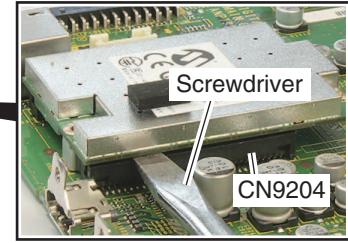
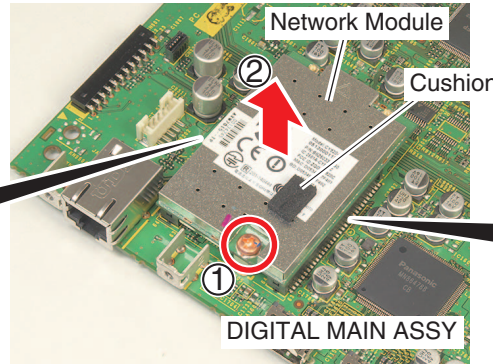
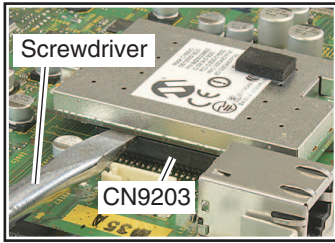
**Note**

\*31: Ground this bracket (DAC HIGH ASSY) and Rear Panel surely. (Sound of all channels is not output if this part is not connected).



### [4-3] Network Module

- (1) Remove the screw. (BMZ30P040FCC)
- (2) Disconnect the two connectors, using the Large Screwdriver and then remove the Network Module.

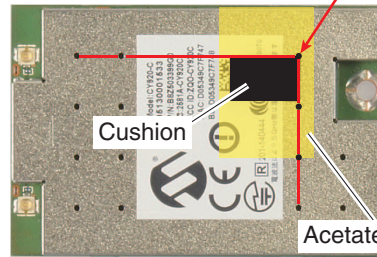


Network Module

Cushion pasting position

**Note:** Replace the Cushion to new one if it is damaged.

After attached the Network Module to the DIGITAL MAIN ASSY, attach the Other Antennas to the Network Module surely.



• Top View

Acetate Tape pasting position

## Assembling of Digital Amplifier Block

**Note :** The attachment positioning of the Digital Amplifier Block relates to sound quality of the unit. If assembling Digital Amplifier Block by wrong steps, sound quality would deteriorate. Therefore assemble it correctly following the procedure shown below.

### [1] Attach the D AMP ASSY

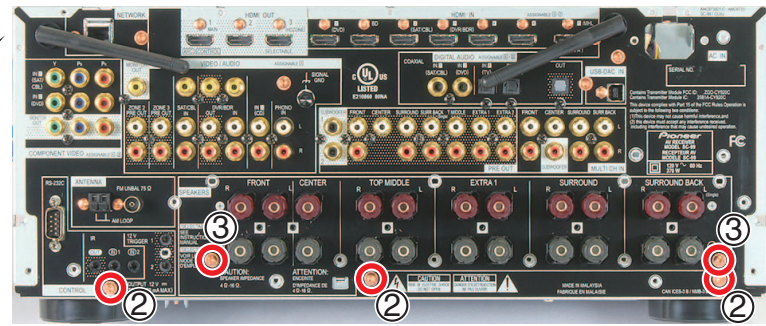
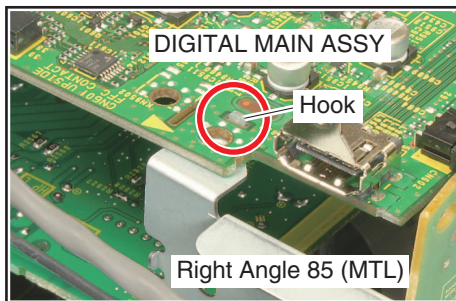
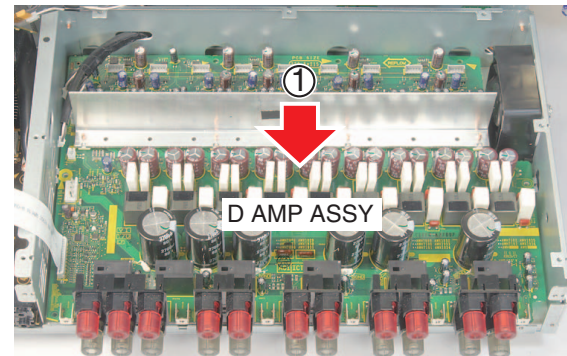
When the D AMP ASSY has been diagnosed with the passage of electric current using extension jig cables, disconnect all extension jig cables and 39P FFC (ADD7787).

Remove the PRE BRIDGE\_M ASSY and the IR Cover 85 (MTL) from the Rear Section.

( Refer to the "[3] D AMP ASSY" of "Disassembly" )

- (1) Allocate the D AMP ASSY attached with the Heat Cond Sheet, Heat Sink Spacer, Heat Sink 85 (AL) and 19P FFC (ADD7795). Don't fix it with screws.
- (2) Temporarily attach the Rear Panel (with other ASSY) to the Chassis /68, using the three screws. (ABA1011)

**Note:** Fix the DIGITAL MAIN ASSY to the Hook of the Right Angle 85 (MTL).

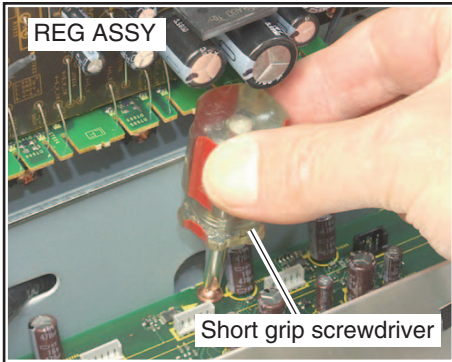


- (3) Temporarily attach the D AMP ASSY to the Rear Panel, using the two screws. (ABA1011)

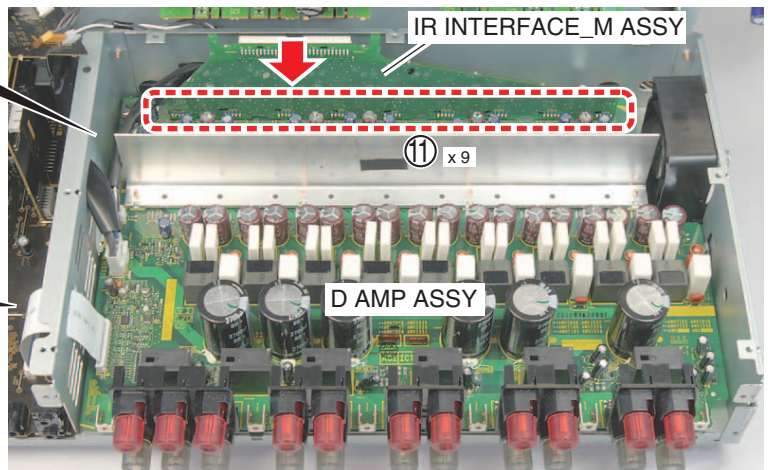
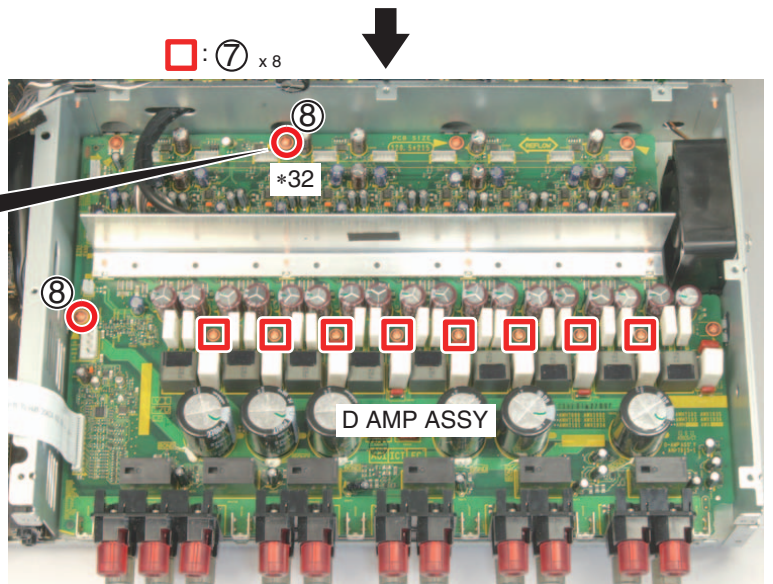
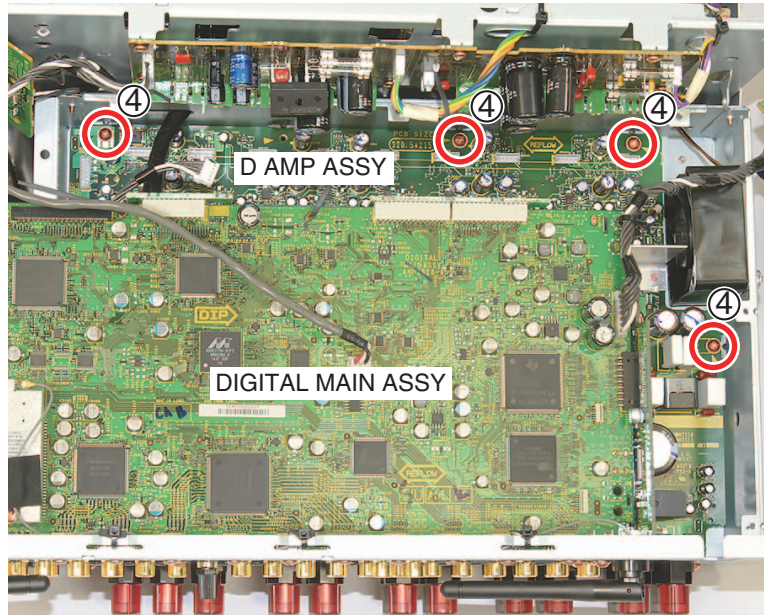
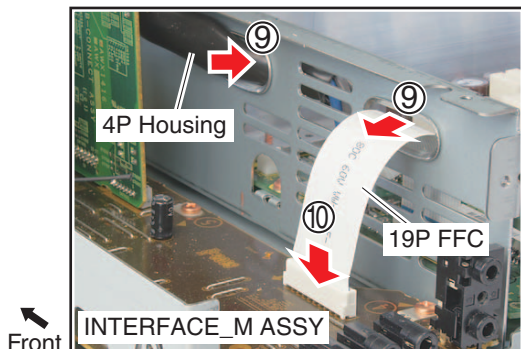
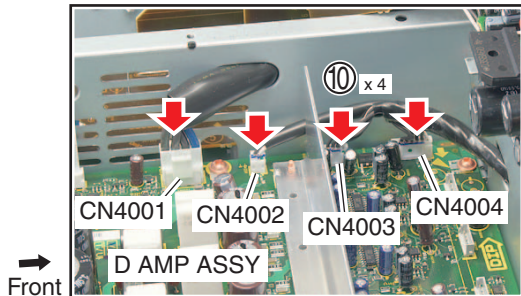
- (4) Attach the D AMP ASSY, using the four screws. (ABA1011)
- (5) Remove the five screws temporarily fixed in accordance with step (2) and (3). (ABA1011)
- (6) Remove the Rear Panel (with other ASSY).

- (7) Attach the eight screws. (IBZ30P150FCC)
- (8) Attach the two screws. (ABA1011)

**Note:** The screw at position \*32 cannot be screwed using a usual screwdriver because it touch a capacitor in the REG ASSY. Attach and secure it using a screwdriver with a short grip.

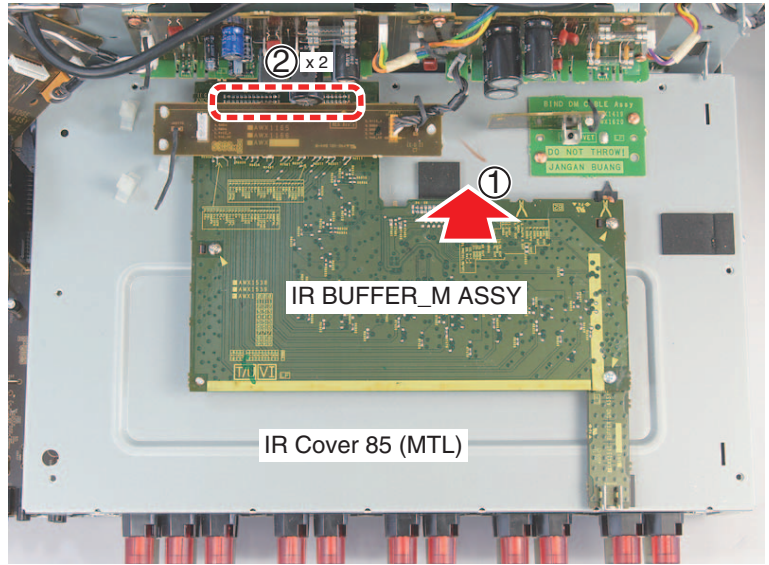


- (9) Put the two cables through the two holes.
- (10) Connect the five connectors.
- (11) Attach the IR INTERFACE\_M ASSY.



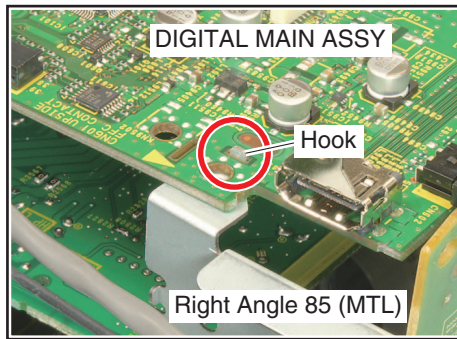
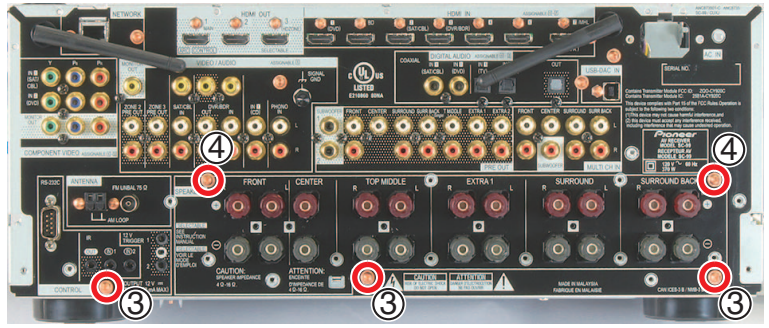
### [2] Attach the IR Cover 85 (MTL)

- (1) Allocate the IR Cover 85 (MTL) (with other ASSY).  
Don't fix it with screws.
- (2) Connect the two connectors.



- (3) Temporarily attach the Rear Panel (with other ASSY) to the Chassis /68, using the three screws. (ABA1011)

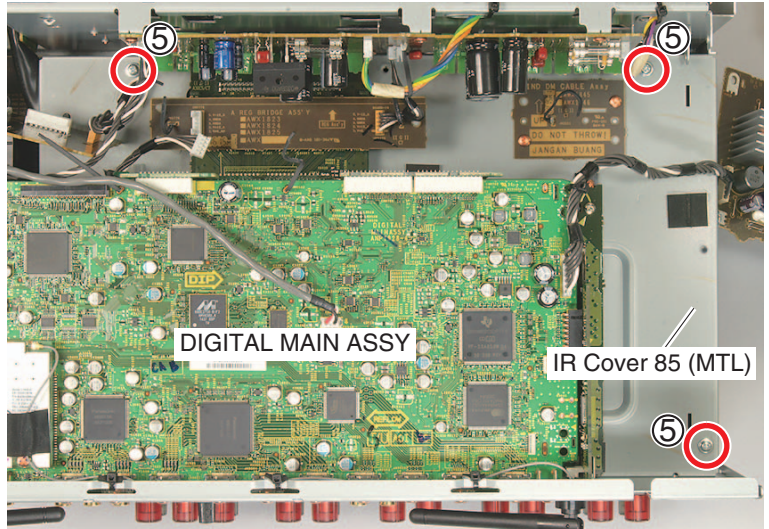
**Note:** Fix the DIGITAL MAIN ASSY to the Hook of the Right Angle 85 (MTL).



- (4) Temporarily attach the IR Cover 85 (MTL) to the Rear Panel, using the two screws. (ABA1011)

- (5) Attach the IR Cover 85 (MTL), using the three screws. (AMZ30P060FTC)

**Note:** Secure the screws for fixing the IR Cover 85 (MTL) without using the electric screwdriver, but manually.

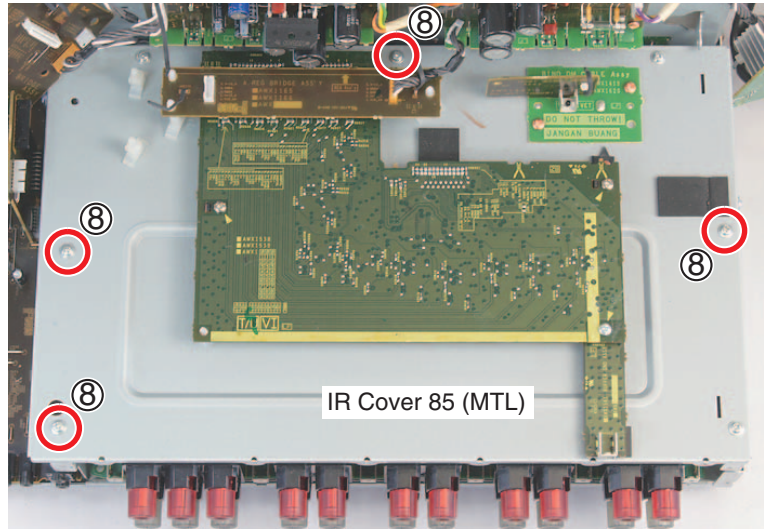


- (6) Remove the five screws temporarily fixed in accordance with step (3) and (4). (ABA1011)
- (7) Remove the Rear Panel (with other ASSY).



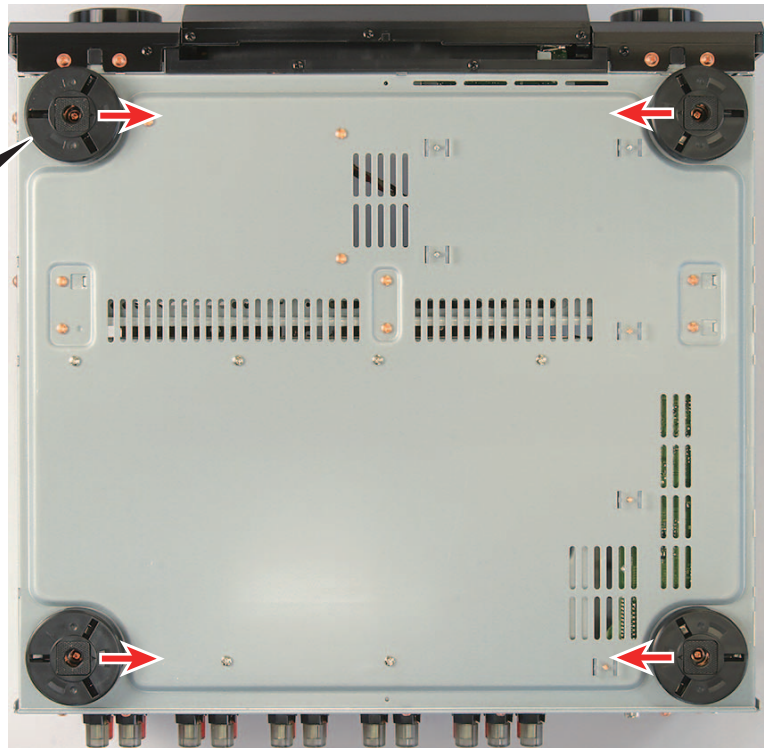
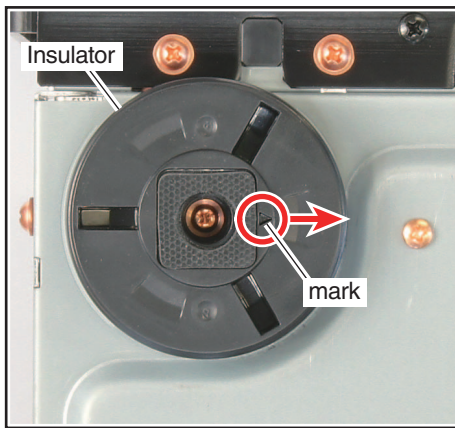
(8) Attach the four screws. (AMZ30P060FTC)

Refer to the step (7) to (1) of “[3-1] Remove the IR Cover 85 (MTL)” of “Disassembly” henceforth.



### Direction of Insulator

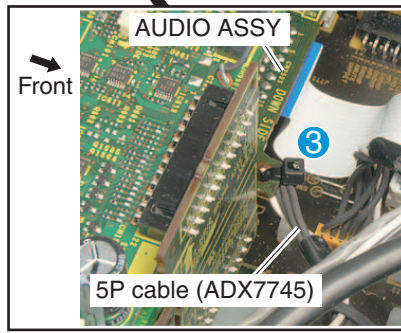
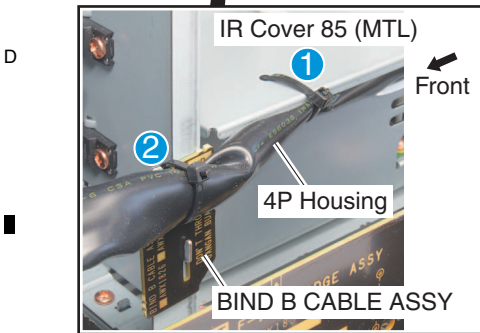
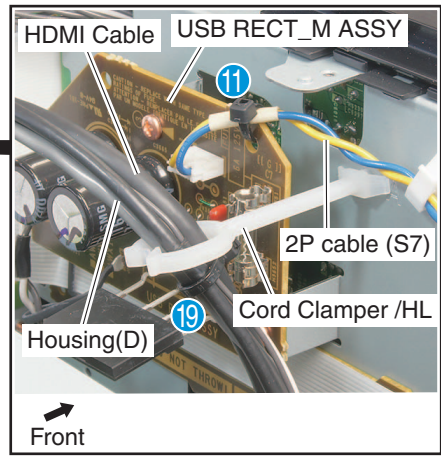
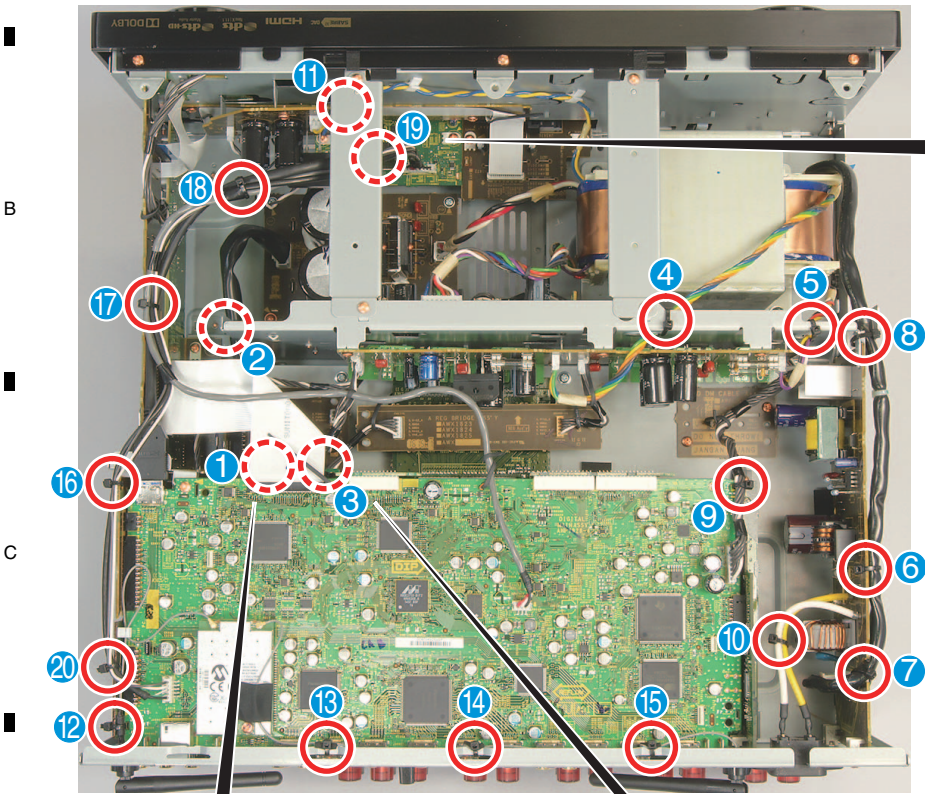
(1) Align the mark at under surface of the Insulator with the direction of photo.



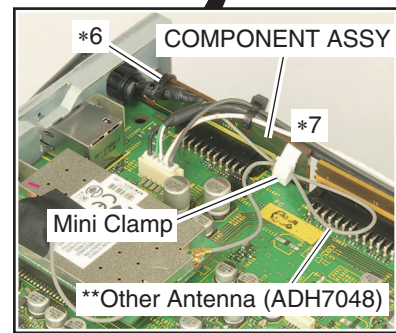
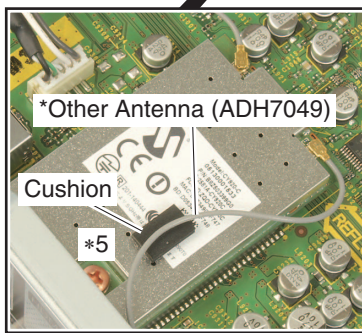
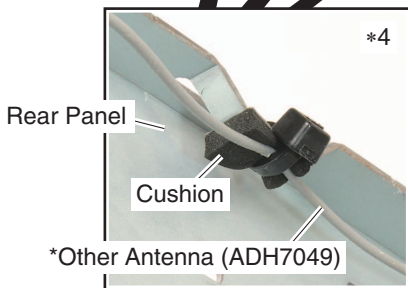
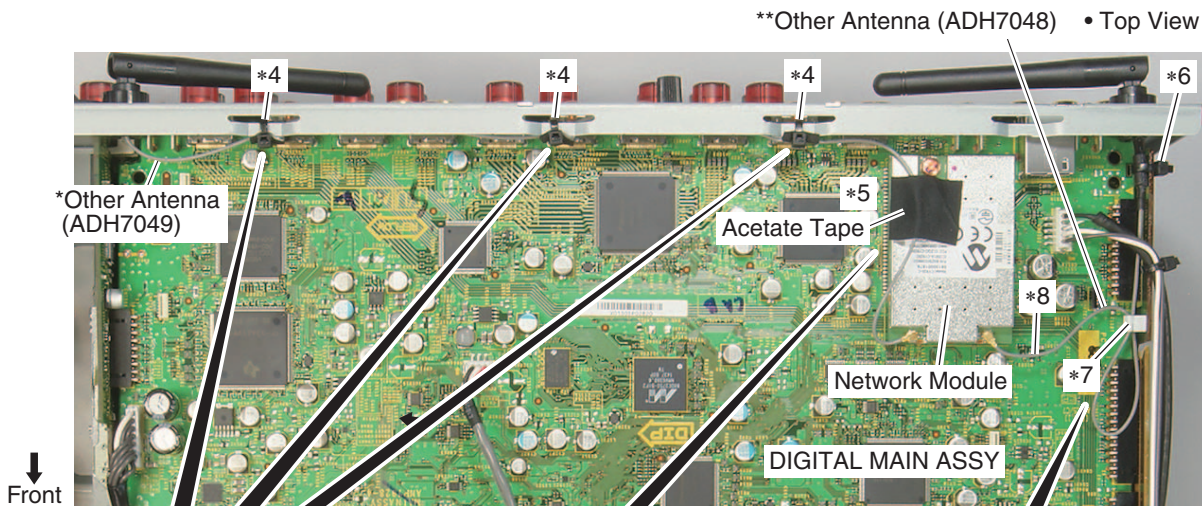
• Bottom view

# Styling of the Cables

- Note \*1:** Keep the cables, binders and PCB binders off the Bonnet.
- Note \*2:** Avoid the cables touching each other.
- Note \*3:** Attach the binders to the points of color numbers in numerical order.



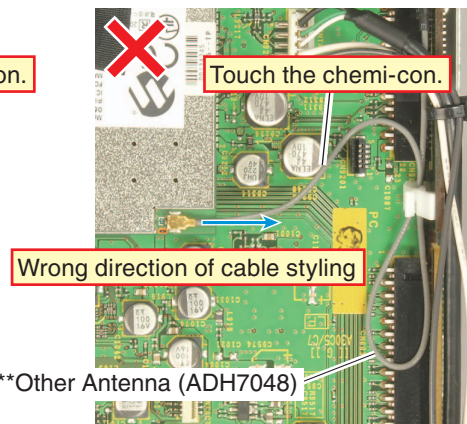
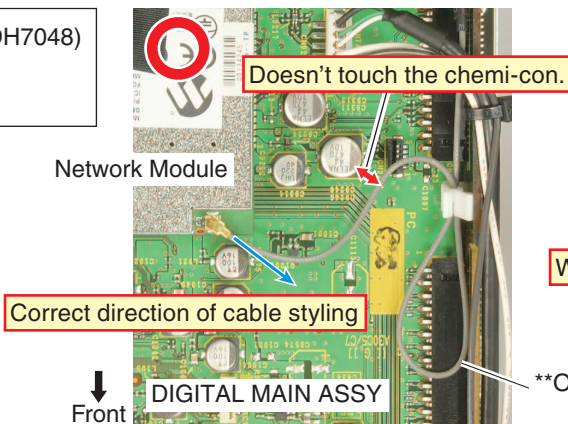
**Note \*4:** Bind the \*Other Antenna (ADH7049) below the three Cushions.  
 \*Except SC-99/CUXJ, SC-97/CUXJ: ANT CONN-Cable (ADH7051)



**Note:** Replace the Cushion if it is damaged.

**Note \*5:** Lay the \*Other Antenna (ADH7049) on the Cushion and then affix the Acetate Tape over them.  
**Note \*6:** Bind the \*\*Other Antenna (ADH7048).  
**Note \*7:** Bend the \*\*Other Antenna (ADH7048) and then cramp it twice with the Mini Clamp.  
 \*\*Except SC-99/CUXJ, SC-97/CUXJ: ANT CONN-Cable (ADH7046)

**Note \*8:** \*\*Other Antenna (ADH7048) doesn't touch to the chemi-con.



# 8. EACH SETTING AND ADJUSTMENT

## 8.1 ADJUSTMENT REQUIRED WHEN THE UNIT IS REPAIRED OR REPLACED

### A ■ When any of the following assemblies is replaced

DISPLAY ASSY	➔	"8.3 REGION WRITING"
DIGITAL MAIN ASSY	➔	"8.2 HOW TO SAVE AND LOAD THE SETTING USING BACKUP FUNCTION WITH USB MEMORY"
Other assemblies	➔	No adjustment required

### ■ When any of the following parts is replaced

B DIGITAL MAIN ASSY	➔	<p>No adjustment required</p> <p>The part listed below is difficult to replace as a discrete component part. When the part listed in the table is defective, replace whole Assy.</p> <ul style="list-style-type: none"> <li>• IC451 (TPS65251RHA-TLB)</li> <li>• IC1204 (88DE2750-K)</li> <li>• IC1212 (K4T51163QJ-BCE7-K)</li> <li>• IC1602 (MN864787-K)</li> <li>• IC1609 (MN864788-K)</li> <li>• IC9002 (CS49844A-K)</li> <li>• IC9206 (H337S3959-TBB)</li> <li>• IC9403 (MM3543BH)</li> <li>• IC9514 (MIC94325YMT)</li> <li>• IC9515 (MIC94325YMT)</li> <li>• IC9523 (MIC94325YMT)</li> <li>• IC9602 (SII9589CTUC-3)</li> <li>• IC9703 (D808K013DPTP456-K)</li> </ul>
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C D AMP ASSY	➔	<p>No adjustment required</p> <p>The part listed below is difficult to replace as a discrete component part. When the part listed in the table is defective, replace whole Assy.</p> <ul style="list-style-type: none"> <li>• Q4101,4102 (IRF6775MPBFS1-TRB)</li> <li>• Q4201,4202 (IRF6775MPBFS1-TRB)</li> <li>• Q4301,4302 (IRF6775MPBFS1-TRB)</li> <li>• Q4401,4402 (IRF6775MPBFS1-TRB)</li> <li>• Q4501,4502 (IRF6775MPBFS1-TRB)</li> <li>• Q4601,4602 (IRF6775MPBFS1-TRB)</li> <li>• Q4701,4702 (IRF6775MPBFS1-TRB)</li> <li>• Q4801,4802 (IRF6775MPBFS1-TRB)</li> <li>• Q4901,4902 (IRF6775MPBFS1-TRB)</li> </ul>
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E DISPLAY ASSY	➔	After replacing IC6001(R5F100MHFAFA-K), perform "8.3 REGION WRITING" and then, update to the latest firmware.
Other assemblies	➔	No adjustment required

Note 1:  
 After replacing NETWORK MODULE (AXX7293) or DIGITAL MAIN ASSY, the unit needs to update.  
 Refer to "UPDATE PANEL Mode (Version update)" on "8.4 HOW TO UPDATE FIRMWARE"

F Note 2:  
 After replacing NETWORK MODULE (AXX7293) or DIGITAL MAIN ASSY, the unit needs to test Wi-Fi function.  
 Refer to "5.3 CONFIRMATION OF THE NETWORK MODULE"

## 8.2 HOW TO SAVE AND LOAD THE SETTING USING BACKUP FUNCTION WITH USB MEMORY

### [Introduction]

This model is capable of saving the set values stored in the MAIN Ucom (IC103) of DIGITAL MAIN ASSY in the USB and loading them in a new DIGITAL MAIN ASSY.  
(Note that MAIN Ucom should normally operate to enable this function.)

When replacing DIGITAL MAIN ASSY, execute the above mentioned processes.

### [Data that can be saved/cannot be saved]

The following **data can not be saved**. Data other than these can be saved.

Contents to save	Destination to save
Last memory for turning ON/OFF the Main power and power supply for ZONE2, ZONE3 and HDZONE Last memory for inputting the Main ZONE, ZONE2, ZONE3 and HDZONE Data to be save upon the operation of protection circuit HDMI OUT3 terminal setting (MAIN/HDZONE) Roku Standby Mode	EVENT Ucom IC6001 (DISPLAY ASSY)
Internet Radio Last Station, Favorite, etc.	Network Module ( AX7293)

(As the data saved by EVENT Ucom is on the DISPLAY ASSY, the data cannot be deleted unless Assy is replaced at the same time.)

### [Requirements for USB memory]

USB memory to be used should meet the following requirements.

- Compatible with USB Mass storage Class
- With a file system of FAT(FAT16 or FAT32)

### [File saving format]

Files are to be saved in the following format: Model number\_backup version.extension(avr)

Example: SC-99\_BK01.avr SC-97\_BK01.avr  
SC-LX89\_BK01.avr SC-LX79\_BK01.avr

### [How to save in the USB memory from AV amplifier]

1. Insert the usable USB memory into the USB terminal when the main device is off.
2. Enter the SERVICE MODE and select [USB BAK ◀ HOLD ▶] with ↑↓ keys.  
(See [6. SERVICE MODE] for how to enter the SERVICE MODE.)
3. Select [USB BAK ◀ SAVE ▶] with ⇄ keys and press [ENTER].
4. Saving in the USB starts and the main device automatically goes off after the normal completion ([COMPLETE] is displayed.).
5. Remove the USB and saving is finished.

\*1. If the following errors occur after "SAVE" is executed, error message will be displayed and "SAVE" will be stopped and the power will be turned off.

- Ejecting of USB device
- Short capacity of USB device
- Error during writing in the USB device (Read Only or defective Sector, etc.)

\*2. If the same file name exists in the USB, overwriting will be automatically executed.

### [How to write into AV amplifier from the USB memory]

1. Insert the USB with the saved file into the USB terminal when the main device is off.
2. Enter the SERVICE MODE and select [USB BAK ◀ HOLD ▶] with ↑↓ keys.  
(See [6. SERVICE MODE] for how to enter the SERVICE MODE.)
3. Select [USB BAK ◀ LOAD ▶] with ⇄ keys and press [ENTER].
4. Saving in the main device starts and it automatically goes off after the normal completion ([COMPLETE] is displayed.).
5. Remove the USB and loading is finished.

\* If the following errors occur after "LOAD" is executed, error message will be displayed and "LOAD" will be stopped and the power will be turned off.

- No setting file
- Mismatching between the setting file and the specification of the A/V RECEIVER type to be loaded back
- Error due to Checksum, Signature Check, and Size Check
- Ejecting of USB device (during reading of the setting file)

### Precautions

- Files are stored in Root of USB memory.
  - Files are read from Root of USB memory.
    - ⇒ To make operations such as moving files, be sure to assign the saved file in Root of the USB memory.
- Also please be careful not to assign \*.avr in multiple numbers.

- The time and date of updating for saved file is fixed to "2006/03/08 20:01."
- In principle, please implement Load without making of factory default settings.
- Depending on the type of USB memory device, the setting file may not have properly been saved even though [COMPLETE] is displayed after a SAVE process.
  - Before replacing the DIGITAL MAIN ASSY, perform a LOAD process and check that [COMPLETE] is displayed.

### [Cautions]

- You cannot use the backup function with USB memory until the Network Module software starts.
- It takes about 60 seconds before the Network Module software starts.

## 8.3 REGION WRITING

This is the function to write Region information by using an USB Memory. Automatic start-up is conducted with POWER ON if the Region information is not written. This work is carried out when DISPLAY ASSY is replaced.




### [Preparations]

- Please copy the REGION File for the same model number and the point of destination with the object set to the route directory of USB Memory.

Note: Copy only the REGION File to the USB memory. Never copy to other files.

### [Precautions]

Please be sure to use the REGION File for the same model number and the point of destination with the object set. If you make a mistake, it is impossible to rewrite. (Replacement of DISPLAY ASSY is required again)

Key operation	FL display
Plug in the AC cord. (No Region information)	
	
Power On (Automatically)	POWER ON
 Start up finished	
Function initial display	SET REGION
 Connect USB Memory. Loading finished correctly	
Region Writing finished	SC-99/CUXJ SC-97/CUXJ SC-LX89/SYXJ8 SC-LX79/SYXJ8

### [Procedures]

- Connect an AC cord after replacing DISPLAY ASSY. (Power turns ON automatically)
- [SET REGION] is displayed several seconds after [POWER ON] is displayed on the front panel. (Standby status for REGION File writing)
- Automatic writing starts when USB memory prepared by [Preparation: 1] is inserted. (Degree of several seconds)
- The written model number is displayed after the normal completion of REGION File writing. (14 characters, maximum)
- Pull out the AC cord.

### [Cautions]

- Writing of destination is not completed until the Network Module software starts.
- It takes about 60 seconds before the Network Module software starts.

### [Case of Abnormal Completion]

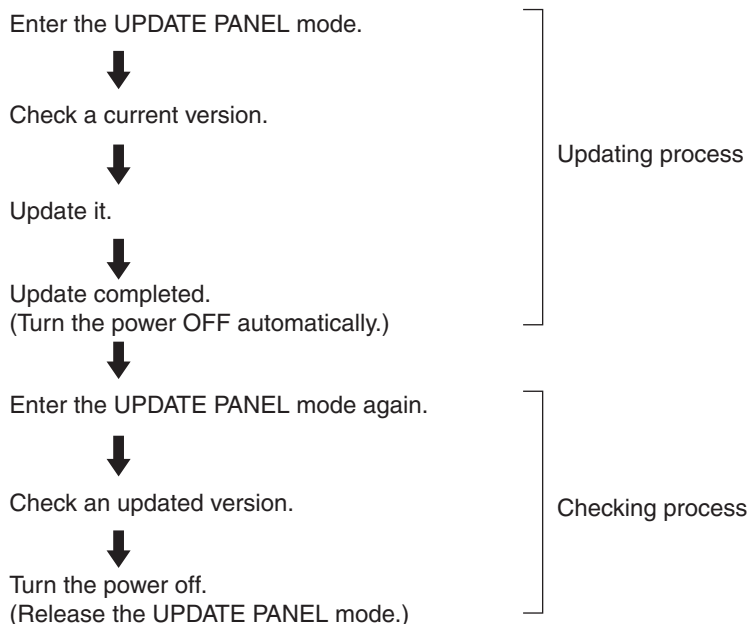
If REGION File writing did not complete normally, an error number is displayed rather than the model number. Please perform rewriting based on the coping strategy by error numbers below.

FL Display Examples										Reason for Display	Coping Strategy	
		E	R	R	O	R		R	0	1	·Case of unsuccessful USB Read-in ·Case of No File for Writing	·Try writing with other USB Memory ·Place writing required REGION File to root directory *1
		E	R	R	O	R		R	0	3	Case of destroyed File	Download REGION File again
		E	R	R	O	R		R	0	4	Case of destination information for different model is written	Download REGION File for correct model

\*1 If an error is appeared, disconnect and connect the AC cord within 30 seconds and try to write the destination again.

## 8.4 HOW TO UPDATE FIRMWARE

### Workflow



### MAIN com, SUB com (EVENT) , DSP Flash ROM and Network Module Update by USB Memory and the Confirmation of the Version




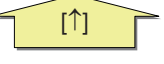
#### ● UPDATE PANEL Mode (Version update)

##### [Preparations]

- Copy the UPDATE FILE to the root directory of the USB Memory.  
**Note:** NEVER copy several UPDATE FILES to the root directory of the USB Memory.  
Copy only the corresponding UPDATE FILE.
- Turn off the power to this unit by setting Multi-Zone to "OFF".
- Connect the USB Memory to the USB terminal (A type) of the front panel.

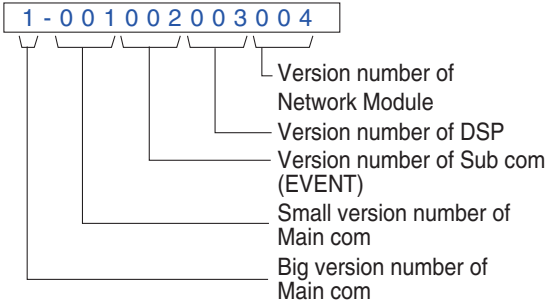
##### [Procedures]

- While holding down "TUNE↑" key on the front panel, press "STANDBY ON/OFF" key and moves to the **UPDATE PANEL mode**.
- The updating process is as follows.



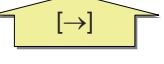

Key operation	FL display
[TUNE↑] + [STANDBY ON/OFF]  Booting is completed 	<div style="border: 1px solid black; padding: 5px; text-align: center;">POWER ON</div>  Version is displayed. <div style="border: 1px solid black; padding: 5px; text-align: center;">1 - 001002003004</div>
[TUNE↓] or [TUNE↑]  	Update Menu <div style="border: 1px solid black; padding: 5px; text-align: center;">UPDATE</div>

### Front Panel Key





- [↓] : TUNE key
- [↑] : TUNE key
- [←] : PRESET key
- [→] : PRESET key



"\*\*\*" displayed instead of number indicates the process while the version is obtained. Wait for a while until the version is displayed.

Key operation	FL display
 [PRESET→] or [PRESET←]  	Update Menu <div style="border: 1px solid black; padding: 5px; text-align: center;">UPDATE</div>  Update Confirmation <div style="border: 1px solid black; padding: 5px; text-align: center;">UPDATE ? ◀NO▶</div>
	Update Confirmation <div style="border: 1px solid black; padding: 5px; text-align: center;">UPDATE ? ◀YES▶</div>
UPDATE FILE searching completed	File searching <div style="border: 1px solid black; padding: 5px; text-align: center;">Accessing</div>



Key operation	FL display
UPDATE FILE searching completed	
	
UPDATE start	Updating process * U p d a t i n g . 0 %
	
UPDATE completed	
	
5 Second	Update completion display * U p d a t i n g . 1 0 0 %
	
Power turns off automatically. (All ZONE OFF) Disconnect the USB MEMORY.	

Update time is fluctuated by contents of the update. It will take about 26 minutes at the maximum.  
(Actual time is from 3 minutes to 26 minutes.)

Time required for updating varies, because only the programs that require updating will be updated.

#### [Confirmation]

- Enter UPDATE PANEL mode and check that the programs have been updated.

#### [Cautions]

- You cannot perform an update until the Network Module software starts.
- It takes about 60 seconds before the Network Module software starts.

# 9. EXPLODED VIEWS AND PARTS LIST

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

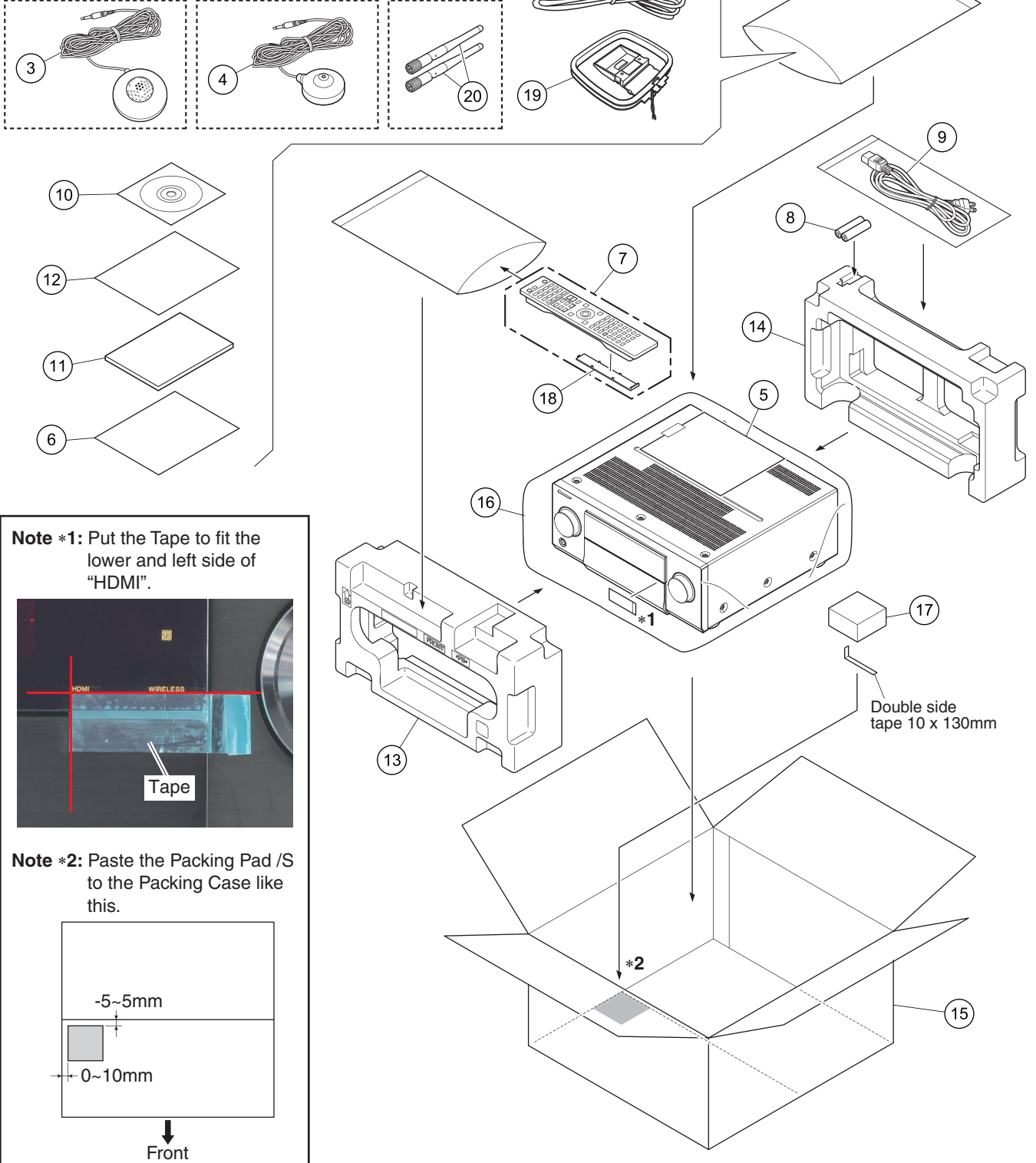
- The  $\triangle$  mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- Screws adjacent to  $\nabla$  mark on product are used for disassembly.
- For the applying amount of lubricants or glue, follow the instructions in this manual. (In the case of no amount instructions, apply as you think it appropriate.)

## 9.1 PACKING SECTION

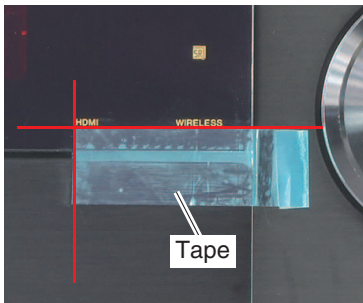
SC-99/CUXJ,  
SC-LX89-K/SYXJ8,  
SC-LX89-S/SYXJ8 only

SC-97/CUXJ,  
SC-LX79-K/SYXJ8,  
SC-LX79-S/SYXJ8 only

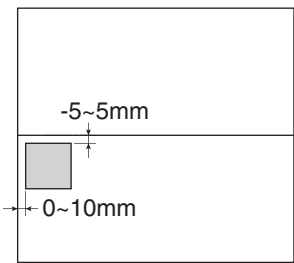
Except  
SC-99/CUXJ,  
SC-97/CUXJ



**Note \*1:** Put the Tape to fit the lower and left side of "HDMI".



**Note \*2:** Paste the Packing Pad /S to the Packing Case like this.



**(1) PACKING SECTION PARTS LIST**

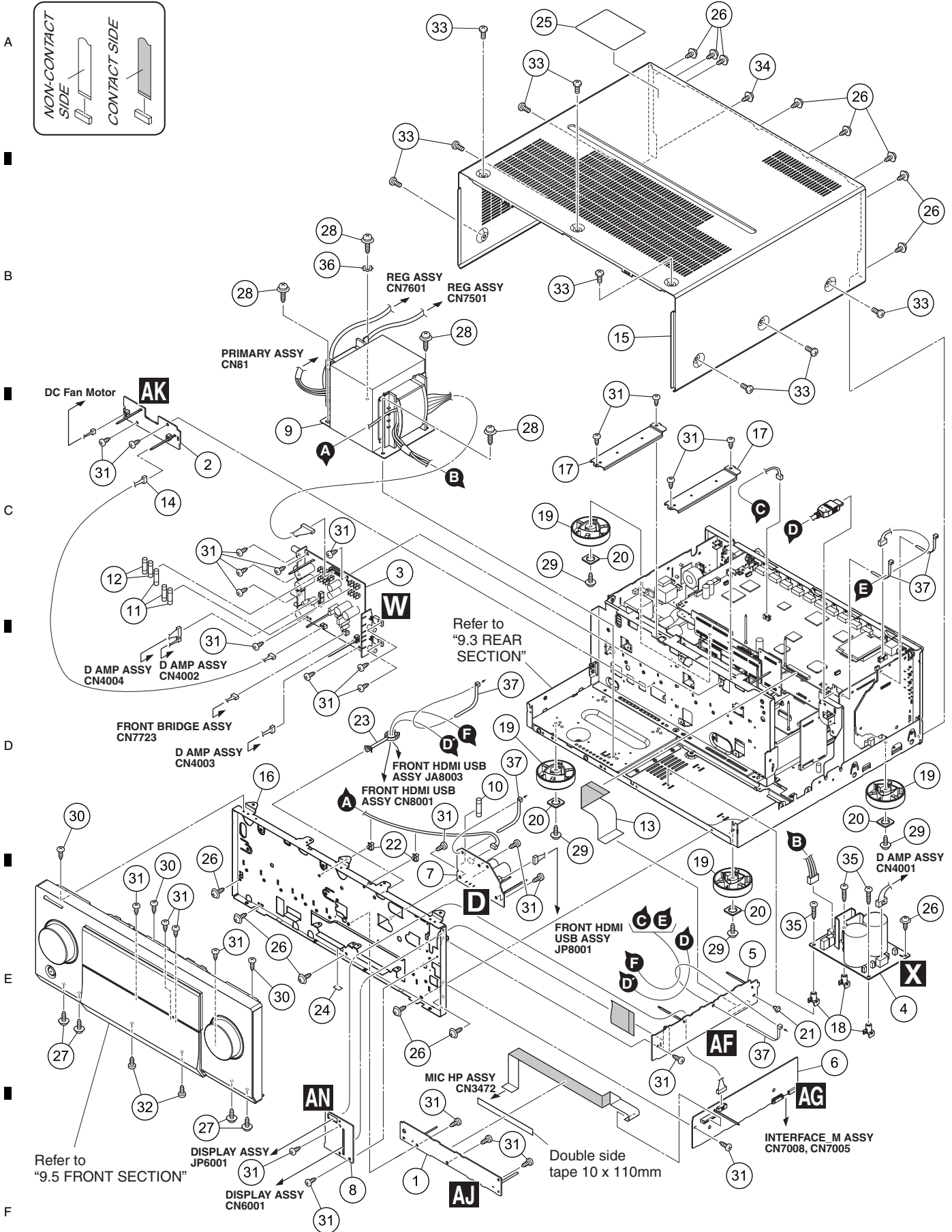
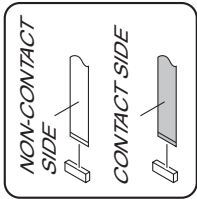
<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>	<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>
	1 FM Wire Antenna	ADH7030	11	Quick Start Guide	See Contrast table (2)
NSP	2 Polyethylene Bag	AHG7117	NSP 12	Caution Sheet	See Contrast table (2)
	3 Setup Microphone(Cable:5m(16.4ft))	See Contrast table (2)	13	Packing Pad /F	AHA7502
	4 Setup Microphone(Cable:5m(16.4ft))	See Contrast table (2)	14	Packing Pad/R	AHA7500
NSP	5 Caution Card /SPE	ARM7161	15	Packing Case	See Contrast table (2)
NSP	6 Warranty Sheet	See Contrast table (2)	16	Packing Sheet	RHC1023
	7 Remote Control Unit	AXD7723	17	Packing Pad/S	AHA7499
NSP	8 AAA Size IEC R03 Dry Cell Batteries x2	VEM1057	18	Battery Door	AZN8047
⚠	9 Power Cord	See Contrast table (2)	19	AM Loop Antenna	XTB3004
	10 IM CD-ROM	See Contrast table (2)	20	Other Antenna	See Contrast table (2)

**(2) CONTRAST TABLE**

SC-99/CUXJ, SC-97/CUXJ, SC-LX89-K/SYXJ8, SC-LX89-S/SYXJ8, SC-LX79-K/SYXJ8 and SC-LX79-S/SYXJ8 are constructed the same except for the following:

<u>Mark No.</u>	<u>Symbol and Description</u>	<u>SC-99/ CUXJ</u>	<u>SC-97/ CUXJ</u>	<u>SC-LX89-K/ SYXJ8</u>	<u>SC-LX89-S/ SYXJ8</u>	<u>SC-LX79-K/ SYXJ8</u>	<u>SC-LX79-S/ SYXJ8</u>
	3 Setup Microphone (Cable:5m(16.4ft))	APM7009	Not used	APM7009	APM7009	Not used	Not used
	4 Setup Microphone (Cable:5m(16.4ft))	Not used	APM7011	Not used	Not used	APM7011	APM7011
NSP	6 Warranty Sheet	ARY7007	ARY7007	ARY7158	ARY7158	ARY7158	ARY7158
⚠	9 Power Cord	ADG7118	ADG7118	ADG7119	ADG7119	ADG7119	ADG7119
	10 IM CD-ROM	ARU7078	ARU7078	ARU7079	ARU7079	ARU7079	ARU7079
	11 Quick Start Guide	ARH7230	ARH7230	ARH7231	ARH7231	ARH7231	ARH7231
NSP	12 Caution Sheet	ARM7182	ARM7182	ARM7183	ARM7183	ARM7183	ARM7183
	15 Packing Case	AHD8891	AHD8897	AHD8892	AHD8893	AHD8898	AHD8899
	20 Other Antenna	Not used	Not used	ADH7045	ADH7045	ADH7045	ADH7045

# 9.2 EXTERIOR SECTION



**(1) EXTERIOR SECTION PARTS LIST**

<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>	<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>
	1 MIC HP GUARD ASSY	AWX2052	21	Push Rivet	AEC7071
	2 FAN CONNECT ASSY	AWX2055	NSP 22	Mini Clamp	VEC1597
	3 IR REG_M ASSY	See Contrast table (2)	23	Cord Clamper /HL	AEC7653
	4 B DIODE ASSY	See Contrast table (2)	24	Cushion 11X7	AED7092
	5 DISPLAY BRIDGE ASSY	See Contrast table (2)	25	Label /LSC	ARW7509
	6 F-IN BRIDGE ASSY	AWX2158	26	Screw (Steel)	ABA1011
	7 USB RECT_M ASSY	See Contrast table (2)	27	Screw (Steel)	ABA1193
NSP	8 FFC GUARD_M ASSY	AWX1821	28	Screw 4X12 (FE)	ABA7109
⚠	9 Power Transformer	See Contrast table (2)	29	Cup Screw 3X8 FCC	ABA7149
⚠	10 Fuse (FU10)	See Contrast table (2)	30	Screw	BBZ30P080FCC
⚠	11 Fuse (FU11, FU12, FU15)	See Contrast table (2)	31	Screw	BBZ30P060FCC
⚠	12 Fuse (FU13, FU14)	See Contrast table (2)	32	Screw	See Contrast table (2)
	13 39P FFC (J0003)	ADD7787	33	Screw	See Contrast table (2)
	14 3P Housing (Y0024)	ADX7766	34	Screw	IBP30P090FCC
	15 Bonnet	See Contrast table (2)	35	Screw	IBZ30P180FTC
NSP	16 Panel Stay 85 (MTL)	ANG7684	36	Toothed Lock Washer	WH40FNI
	17 Top Beam 85 (MTL)	ANG7726	37	Binder (BK-1)	ZCA-BK1
	18 PCB Mold (PP)	AMR2533			
	19 Insulator	See Contrast table (2)			
	20 Cushion /INS	AEB7447			

**(2) CONTRAST TABLE**

SC-99/CUXJ, SC-97/CUXJ, SC-LX89-K/SYXJ8, SC-LX89-S/SYXJ8, SC-LX79-K/SYXJ8 and SC-LX79-S/SYXJ8 are constructed the same except for the following:

<u>Mark No.</u>	<u>Symbol and Description</u>	<u>SC-99/ CUXJ</u>	<u>SC-97/ CUXJ</u>	<u>SC-LX89-K/ SYXJ8</u>	<u>SC-LX89-S/ SYXJ8</u>	<u>SC-LX79-K/ SYXJ8</u>	<u>SC-LX79-S/ SYXJ8</u>
	3 IR REG_M ASSY	AWX2124	AWX2127	AWX2125	AWX2125	AWX2128	AWX2128
	4 B DIODE ASSY	AWX2130	AWX2130	AWX2131	AWX2131	AWX2131	AWX2131
	5 DISPLAY BRIDGE ASSY	AWX2155	AWX2155	AWX2156	AWX2156	AWX2156	AWX2156
	7 USB RECT_M ASSY	AWX2165	AWX2165	AWX2166	AWX2166	AWX2166	AWX2166
⚠	9 Power Transformer	ATS7474	ATS7478	ATS7475	ATS7475	ATS7479	ATS7479
⚠	10 Fuse (FU10)	REK1151	REK1151	AEK1061	AEK1061	AEK1061	AEK1061
⚠	11 Fuse (FU11, FU12, FU15)	REK1143	REK1143	AEK7073	AEK7073	AEK7073	AEK7073
⚠	12 Fuse (FU13, FU14)	REK1142	REK1142	AEK7072	AEK7072	AEK7072	AEK7072
	15 Bonnet	AEA7034	AEA7034	AEA7034	AEA7036	AEA7034	AEA7036
	19 Insulator	AMR7707	AMR7707	AMR7709	AMR7709	AMR7709	AMR7709
	32 Screw	BBZ30P080FTB	BBZ30P080FTB	BBZ30P080FTB	BBZ30P080FNI	BBZ30P080FTB	BBZ30P080FNI
	33 Screw	BCZ40P060FTB	BCZ40P060FTB	BCZ40P060FTB	BCZ40P060FNI	BCZ40P060FTB	BCZ40P060FNI



**(1) REAR SECTION PARTS LIST**

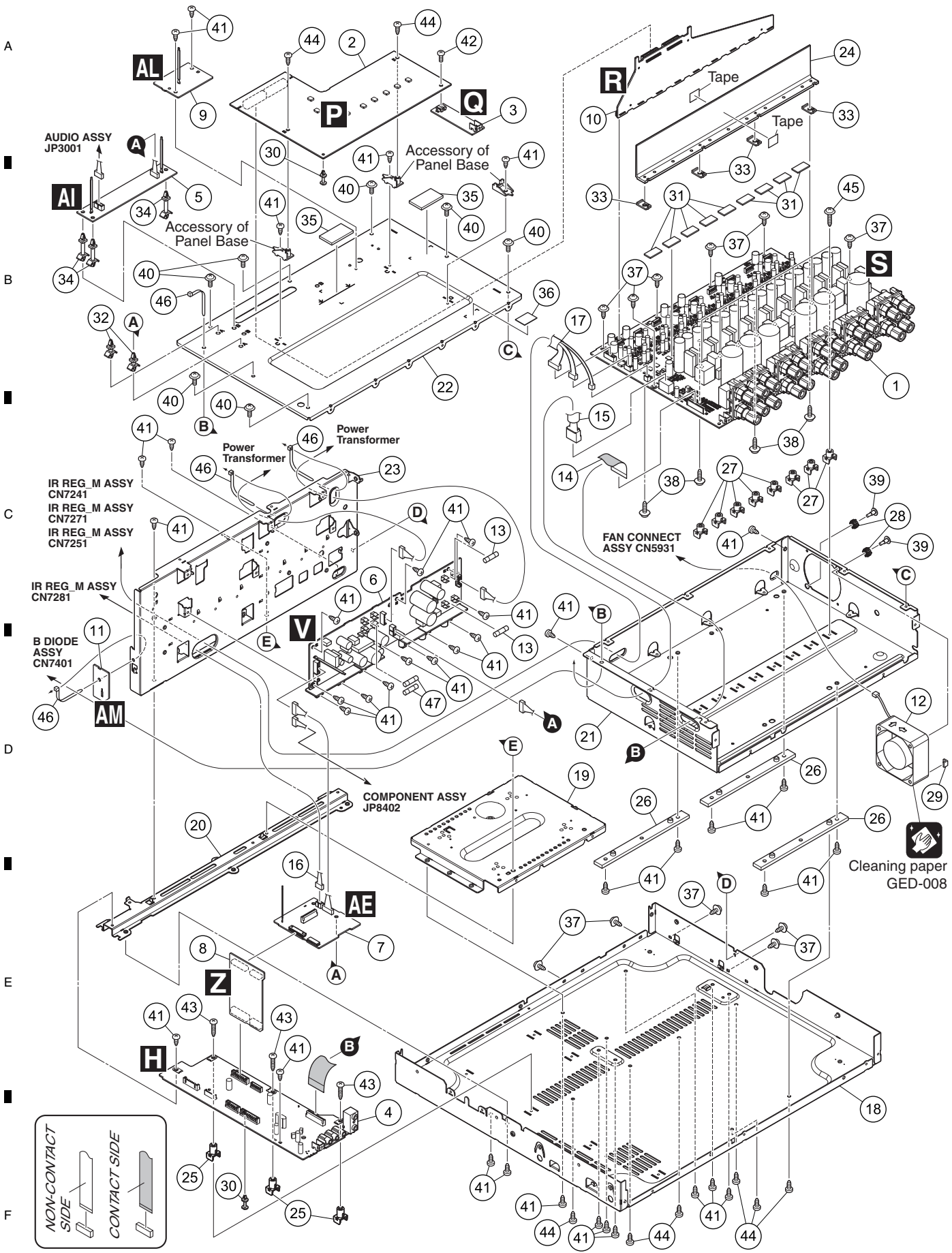
<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>	<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>
1	AUDIO ASSY	See Contrast table (2)	26	Right Angle 85 (MTL)	ANG7687
2	COMPOSITE ASSY	See Contrast table (2)	27	Nylon Rivet	AEC7406
3	D-AUDIO BRIDGE ASSY	AWX2196	28	Insulating Sheet /68	AEC7659
4	D-DAC BRIDGE ASSY	AWX2197	29	Push Rivet	AEC7071
5	A-DAC BRIDGE ASSY	AWX2198	30	Cushion Circle 14B	AED7081
6	PRIMARY ASSY	See Contrast table (2)	NSP 31	Mini Clamp	VEC1597
7	DAC HIGH ASSY	See Contrast table (2)	NSP 32	PCB Spacer	AEC1084
8	COMPONENT ASSY	See Contrast table (2)	33	Locking Spacer (PLS)	See Contrast table (2)
9	PRE BRIDGE_M ASSY	AWX1822	34	Bush /ANT	AMR7706
10	PRIMARY SHIELD ASSY	See Contrast table (2)	35	Cushion	AEB7449
11	MULTI CH IN ASSY	See Contrast table (2)	36	Screw (Steel)	ABA1011
12	MCH BRIDGE ASSY	See Contrast table (2)	37	Screw (Steel)	ABA1207
13	CONNECT_M ASSY	See Contrast table (2)	38	Terminal Screw	AKE-031
14	DIGITAL MAIN ASSY	See Contrast table (2)	39	Screw	BBZ30P060FCC
NSP 15	VREG GUARD ASSY	AWX2053	NSP 40	Screw	BMZ30P040FCC
16	USB DAC ASSY	See Contrast table (2)	41	Screw	BPZ30P080FTB
17	AM/FM Tuner Unit	See Contrast table (2)	42	Screw	BPZ30P100FTC
18	Network Module	AXX7293	43	Screw	CBZ30P080FTB
19	Other Antenna	See Contrast table (2)	44	Hex Head Screw 2.85X7	ABA7078
20	Other Antenna	See Contrast table (2)	45	Binder (BK-1)	ZCA-BK1
⚠ 21	Fuse (FU1)	See Contrast table (2)	46	D. Main Shield 85 (MTL)	See Contrast table (2)
⚠ 22	Fuse (FU4)	See Contrast table (2)	47	ANT CONN-Cable	See Contrast table (2)
23	9P FFC (J0005)	ADD7794	48	ANT CONN-Cable	See Contrast table (2)
24	15P FFC/60V (J0007)	ADD7725			
25	Rear Panel	See Contrast table (2)			

**(2) CONTRAST TABLE**

SC-99/CUXJ, SC-97/CUXJ, SC-LX89-K/SYXJ8, SC-LX89-S/SYXJ8, SC-LX79-K/SYXJ8 and SC-LX79-S/SYXJ8 are constructed the same except for the following:

<u>Mark No.</u>	<u>Symbol and Description</u>	<u>SC-99/ CUXJ</u>	<u>SC-97/ CUXJ</u>	<u>SC-LX89-K/ SYXJ8</u>	<u>SC-LX89-S/ SYXJ8</u>	<u>SC-LX79-K/ SYXJ8</u>	<u>SC-LX79-S/ SYXJ8</u>
1	AUDIO ASSY	AWX2076	AWX2080	AWX2077	AWX2077	AWX2081	AWX2081
2	COMPOSITE ASSY	AWX2085	AWX2086	AWX2085	AWX2085	AWX2086	AWX2086
6	PRIMARY ASSY	AWX2038	AWX2038	AWX2039	AWX2039	AWX2039	AWX2039
7	DAC HIGH ASSY	AWX2063	AWX2067	AWX2064	AWX2064	AWX2068	AWX2068
8	COMPONENT ASSY	AWX2105	AWX2108	AWX2106	AWX2106	AWX2109	AWX2109
10	PRIMARY SHIELD ASSY	Not used	AWX1820	Not used	Not used	AWX1820	AWX1820
11	MULTI CH IN ASSY	AWX2159	Not used	AWX2160	AWX2160	Not used	Not used
12	MCH BRIDGE ASSY	AWX1840	Not used	AWX1840	AWX1840	Not used	Not used
13	CONNECT_M ASSY	AWX2162	AWX2162	AWX2163	AWX2163	AWX2163	AWX2163
14	DIGITAL MAIN ASSY	AWX2013	AWX2017	AWX2014	AWX2014	AWX2018	AWX2018
16	USB DAC ASSY	AWX2056	Not used	AWX2057	AWX2057	Not used	Not used
17	AM/FM Tuner Unit	AXX7282	AXX7282	AXX7283	AXX7283	AXX7283	AXX7283
19	Other Antenna	ADH7048	ADH7048	Not used	Not used	Not used	Not used
20	Other Antenna	ADH7049	ADH7049	Not used	Not used	Not used	Not used
⚠ 21	Fuse (FU1)	REK1154	REK1154	AEK1061	AEK1061	AEK1061	AEK1061
⚠ 22	Fuse (FU4)	REK1139	REK1139	REK1104	REK1104	REK1104	REK1104
25	Rear Panel	ANC8735	ANC8741	ANC8736	ANC8737	ANC8742	ANC8743
33	Locking Spacer (PLS)	AEC7643	Not used	AEC7643	AEC7643	Not used	Not used
46	D. Main Shield 85 (MTL)	Not used	Not used	ANK7162	ANK7162	Not used	Not used
47	ANT CONN-Cable	Not used	Not used	ADH7046	ADH7046	ADH7046	ADH7046
48	ANT CONN-Cable	Not used	Not used	ADH7051	ADH7051	ADH7051	ADH7051

# 9.4 CHASSIS SECTION





**(1) CHASSIS SECTION PARTS LIST**

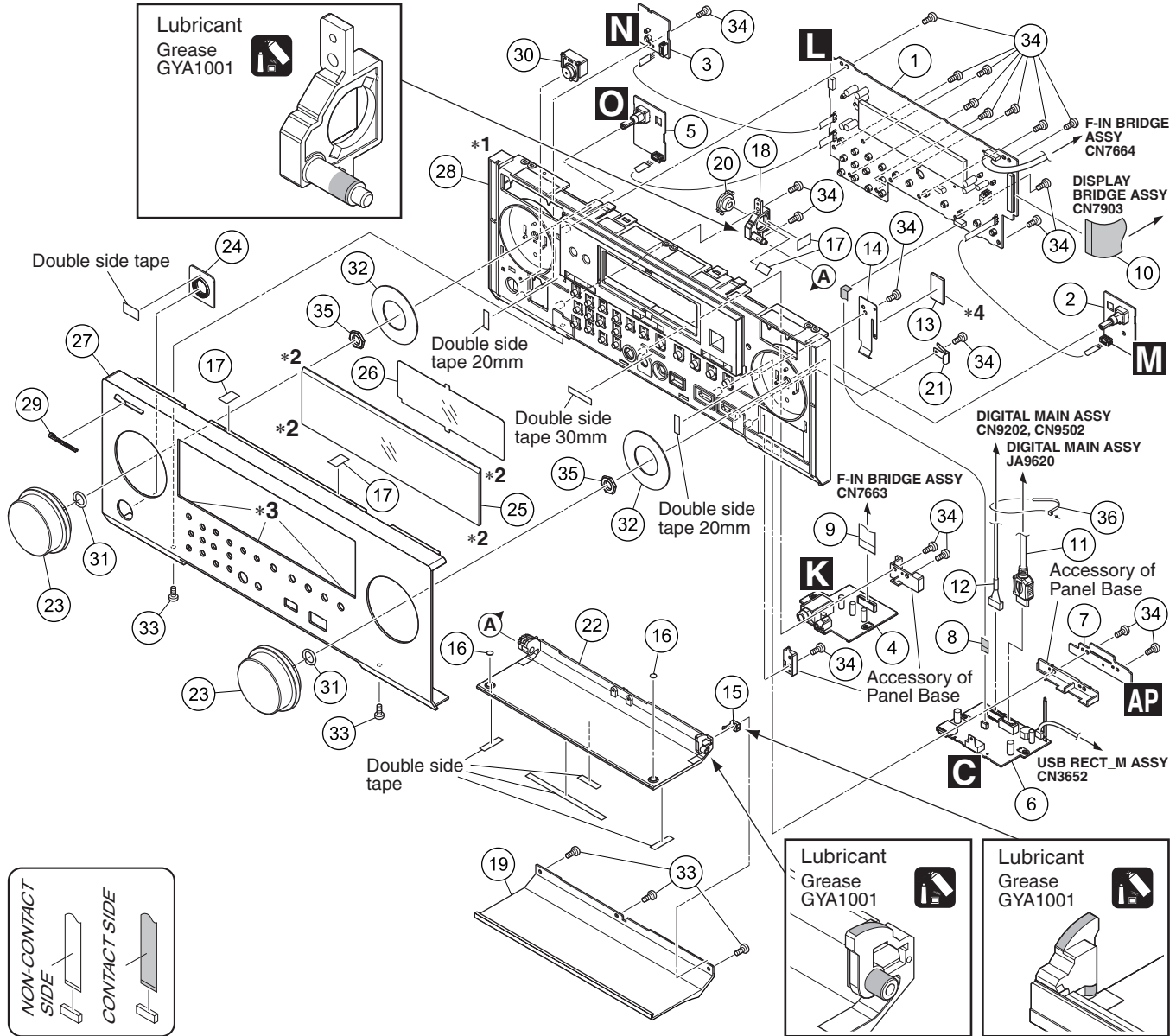
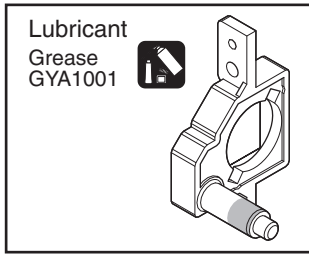
<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>	<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>
1	D AMP ASSY	See Contrast table (2)	26	Insulator ICE (PLS)	AMR7523
2	IR BUFFER_M ASSY	See Contrast table (2)	27	PCB Mold (PP)	AMR7536
3	BUFFER GND_M ASSY	AWX1783	28	Damper Bushing 83	AEB7425
4	INTERFACE_M ASSY	See Contrast table (2)	29	Cushion 5X8	AEB7397
5	A REG BRIDGE ASSY	See Contrast table (2)	30	PCB Spacer	AEC7080
6	REG ASSY	See Contrast table (2)	31	Heat Cond Sheet	AEB7434
7	FRONT BRIDGE ASSY	AWX1833	NSP 32	PCB Holder	PNW2100
8	FB CONNECT ASSY	AWX1841	33	Heat Sink Spacer (PLS)	AMR7568
9	BIND DM CABLE_M ASSY	AWX1846	NSP 34	PCB Spacer	AEC1446
10	IR INTERFACE_M ASSY	AWX1776	35	Cushion /T3	AEB7448
NSP 11	BIND B CABLE ASSY	AWX1826	36	Insulating Sheet	AEC7654
⚠ 12	DC Fan Motor	AXM7040	37	Screw (Steel)	ABA1011
⚠ 13	Fuse (FU21, FU22)	See Contrast table (2)	38	Screw	ABA1052
14	19P FFC (J0004)	ADD7795	39	Screw (3*11.6)	ABA7146
15	4P Housing (Y0020)	ADX7755	40	Screw	AMZ30P060FTC
16	3P Housing (Y0023)	ADX7759	41	Screw	BBZ30P060FCC
17	7P+4P+2P Housing (Y0028)	ADX7817	42	Screw	BBZ30P060FTC
NSP 18	Chassis /68	ANA7244	43	Screw	BBZ30P180FCC
19	Trans Frame 85 (MTL)	ANG7685	44	Screw	BPZ30P080FNI
20	Center Beam 85 (MTL)	ANG7689	45	Screw	IBZ30P150FCC
NSP 21	IR Box 85 (MTL)	ANF7061	46	Binder (BK-1)	ZCA-BK1
NSP 22	IR Cover 85 (MTL)	ANF7062	47	Fuse (FU31, FU32)	See Contrast table (2)
23	REG ASSY Plate 85 (MTL)	ANG7688			
NSP 24	Heat Sink 85 (AL)	ANH7234			
25	PCB Mold (PP)	AMR2533			

**(2) CONTRAST TABLE**

SC-99/CUXJ, SC-97/CUXJ, SC-LX89-K/SYXJ8, SC-LX89-S/SYXJ8, SC-LX79-K/SYXJ8 and SC-LX79-S/SYXJ8 are constructed the same except for the following:

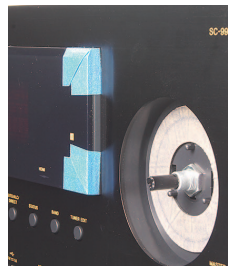
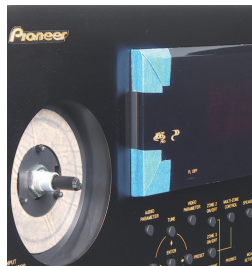
<u>Mark No.</u>	<u>Symbol and Description</u>	<u>SC-99/ CUXJ</u>	<u>SC-97/ CUXJ</u>	<u>SC-LX89-K/ SYXJ8</u>	<u>SC-LX89-S/ SYXJ8</u>	<u>SC-LX79-K/ SYXJ8</u>	<u>SC-LX79-S/ SYXJ8</u>
1	D AMP ASSY	AWH7104	AWH7108	AWH7105	AWH7105	AWH7109	AWH7109
2	IR BUFFER_M ASSY	AWX2093	AWX2093	AWX2094	AWX2094	AWX2096	AWX2096
4	INTERFACE_M ASSY	AWX2120	AWX2120	AWX2121	AWX2121	AWX2121	AWX2121
5	A REG BRIDGE ASSY	AWX2132	AWX2132	AWX2133	AWX2133	AWX2133	AWX2133
6	REG ASSY	AWX2149	AWX2152	AWX2150	AWX2150	AWX2153	AWX2153
⚠ 13	Fuse (FU21, FU22)	REK1143	REK1143	AEK7072	AEK7072	AEK7072	AEK7072
47	Fuse (FU31, FU32)	REK1143	REK1143	AEK7073	AEK7073	AEK7073	AEK7073

# 9.5 FRONT SECTION

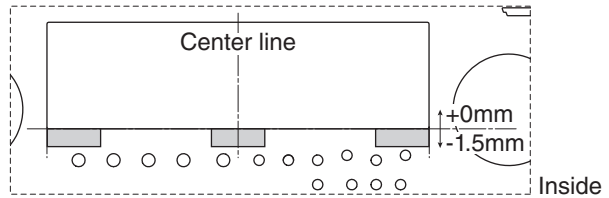


**Note \*1:** Please pay attention not to hurt Panel Base when you remove the Panel.

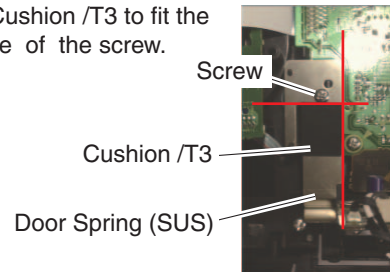
**Note \*2:** Please tape up at four (4) places to protect Panel Base as shown on the photograph when you remove the Panel.



**Note \*3:** Double Side Tape (10mm x 30mm) affixing position on the Panel.



**Note \*4:** Put the Cushion /T3 to fit the lower side of the screw.



**(1) FRONT SECTION PARTS LIST**

<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>	<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>
1	DISPLAY ASSY	See Contrast table (2)	21	Earth Spring 85 (SUS)	ABK7070
2	VOL ASSY	AWX2029	22	Door Base	See Contrast table (2)
3	POWER SW ASSY	AWX2030	23	VOL. Knob ASSY	See Contrast table (2)
4	MIC HP ASSY	See Contrast table (2)	24	Power Ring	See Contrast table (2)
5	ENCODER ASSY	AWX2051	25	Window	See Contrast table (2)
6	FRONT HDMI USB ASSY	See Contrast table (2)	26	Filter	See Contrast table (2)
NSP 7	PANEL GUARD ASSY	AWX2054	27	Panel	See Contrast table (2)
8	5P FFC (J0001)	ADD7783	28	Panel Base	See Contrast table (2)
9	15P FFC (J0002)	ADD7791	29	Pioneer Badge	See Contrast table (2)
10	39P FFC (J0006)	ADD7796	30	STDBY BTN ASSY	See Contrast table (2)
11	HDMI Cable (Y0026)	ADX7732	31	Ring	ABH7213
12	Housing(D) (Y0027)	ADX7821	32	Vol Stabilizer LX85	AEC7644
13	Cushion /T3	AEB7448	33	Screw	See Contrast table (2)
14	Door Spring (SUS)	ABK7061	34	Screw	BPZ30P080FNI
15	Earth Spring 81 (SUS)	ABK7067	35	Nut	NK90FTC
16	Cushion Circle 6	See Contrast table (2)	36	Binder (BK-1)	ZCA-BK1
17	Cushion 11X7	AED7092			
18	Shaft /DOR	AMR7704			
19	Door	See Contrast table (2)			
20	Damper /DOR	AXA7159			

**(2) CONTRAST TABLE**

SC-99/CUXJ, SC-97/CUXJ, SC-LX89-K/SYXJ8, SC-LX89-S/SYXJ8, SC-LX79-K/SYXJ8 and SC-LX79-S/SYXJ8 are constructed the same except for the following:

<u>Mark No.</u>	<u>Symbol and Description</u>	<u>SC-99/ CUXJ</u>	<u>SC-97/ CUXJ</u>	<u>SC-LX89-K/ SYXJ8</u>	<u>SC-LX89-S/ SYXJ8</u>	<u>SC-LX79-K/ SYXJ8</u>	<u>SC-LX79-S/ SYXJ8</u>
1	DISPLAY ASSY	AWX2026	AWX2026	AWX2027	AWX2027	AWX2027	AWX2027
4	MIC HP ASSY	AWX2048	AWX2048	AWX2049	AWX2049	AWX2049	AWX2049
6	FRONT HDMI USB ASSY	AWX2115	AWX2115	AWX2116	AWX2116	AWX2118	AWX2118
16	Cushion Circle 6	AED7083	AED7083	AED7083	AED7080	AED7083	AED7080
19	Door	ANB7645	ANB7645	ANB7644	ANB7646	ANB7644	ANB7646
22	Door Base	AMR7565	AMR7565	AMR7565	AMR7636	AMR7565	AMR7636
23	VOL. Knob ASSY	AAA7064	AAA7064	AAA7064	AAA7071	AAA7064	AAA7071
24	Power Ring	AAK8571	AAK8571	AAK8571	AAK8574	AAK8571	AAK8574
25	Window	AAK8594	AAK8594	AAK8597	AAK8597	AAK8597	AAK8597
26	Filter	AAK8443	AAK8443	AAK8459	AAK8459	AAK8459	AAK8459
27	Panel	ANB7651	ANB7655	ANB7652	ANB7653	ANB7656	ANB7657
28	Panel Base	AMB8085	AMB8085	AMB8086	AMB8087	AMB8086	AMB8087
29	Pioneer Badge	VAM1159	VAM1159	VAM1158	VAM1158	VAM1158	VAM1158
30	STDBY BTN ASSY	AAD7804	AAD7804	AAD7804	AAD7807	AAD7804	AAD7807
33	Screw	BBZ30P080FTB	BBZ30P080FTB	BBZ30P080FTB	BBZ30P080FNI	BBZ30P080FTB	BBZ30P080FNI

# 10. PCB PARTS LIST

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

● The  $\triangle$  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.

● 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 47 k ohm (tolerance is shown by J = 5%, and K = 10%).

560  $\Omega$   $\rightarrow$  56  $\times 10^1$   $\rightarrow$  561 ..... RD1/APU  $\begin{matrix} 5 & 6 & 1 \\ J \end{matrix}$

47 k $\Omega$   $\rightarrow$  47  $\times 10^3$   $\rightarrow$  473 ..... RD1/APU  $\begin{matrix} 4 & 7 & 3 \\ J \end{matrix}$

0.5  $\Omega$   $\rightarrow$  R50 ..... RN2H  $\begin{matrix} R & 5 & 0 \\ K \end{matrix}$

1  $\Omega$   $\rightarrow$  1R0 ..... RSIP  $\begin{matrix} 1 & R & 0 \\ K \end{matrix}$

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

5.62 k $\Omega$   $\rightarrow$  562  $\times 10^1$   $\rightarrow$  5621 ..... RN1/4PC  $\begin{matrix} 5 & 6 & 2 & 1 \\ F \end{matrix}$

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
<b>LIST OF ASSEMBLIES</b>							
		1...D AMP ASSY (SC-99)	AWH7104	NSP	1...IR BUFFER_M ASSY (SC-99/SC-97)	AWM8423	
		1...D AMP ASSY (SC-97)	AWH7108		2..IR BUFFER_M ASSY	AWX2093	
		1...D AMP ASSY (SC-LX89)	AWH7105		2..BUFFER GND_M ASSY	AWX1783	
		1...D AMP ASSY (SC-LX79)	AWH7109	NSP	1...IR BUFFER_M ASSY (SC-LX89)	AWM8424	
		NSP 1...AUDIO COMPOSITE_H ASSY (SC-99)	AWR7288		2..IR BUFFER_M ASSY	AWX2094	
		2..AUDIO ASSY	AWX2076		2..BUFFER GND_M ASSY	AWX1783	
		2..COMPOSITE ASSY	AWX2085	NSP	1...INTERFACE REG_M ASSY (SC-99)	AWR7296	
		2..D-AUDIO BRIDGE ASSY	AWX2196		2..INTERFACE_M ASSY	AWX2120	
		2..D-DAC BRIDGE ASSY	AWX2197		2..IR REG_M ASSY	AWX2124	
		2..A-DAC BRIDGE ASSY	AWX2198		2..B DIODE ASSY	AWX2130	
		NSP 1...AUDIO COMPOSITE_H ASSY (SC-97)	AWR7292		2..PRE BRIDGE_M ASSY	AWX1822	
		2..AUDIO ASSY	AWX2080		2..A REG BRIDGE ASSY	AWX2132	
		2..COMPOSITE ASSY	AWX2086	NSP	2..FFC GUARD_M ASSY	AWX1821	
		2..D-AUDIO BRIDGE ASSY	AWX2196	NSP	2..BIND B CABLE ASSY	AWX1826	
		2..D-DAC BRIDGE ASSY	AWX2197				
		2..A-DAC BRIDGE ASSY	AWX2198	NSP	1...INTERFACE REG_M ASSY (SC-97)	AWR7299	
		NSP 1...AUDIO COMPOSITE_H ASSY (SC-LX89)	AWR7289		2..INTERFACE_M ASSY	AWX2120	
		2..AUDIO ASSY	AWX2077		2..IR REG_M ASSY	AWX2127	
		2..COMPOSITE ASSY	AWX2085		2..B DIODE ASSY	AWX2130	
		2..D-AUDIO BRIDGE ASSY	AWX2196		2..PRIMARY SHIELD ASSY	AWX1820	
		2..D-DAC BRIDGE ASSY	AWX2197		2..PRE BRIDGE_M ASSY	AWX1822	
		2..A-DAC BRIDGE ASSY	AWX2198		2..A REG BRIDGE ASSY	AWX2132	
		NSP 1...AUDIO COMPOSITE_H ASSY (SC-LX79)	AWR7293	NSP	2..FFC GUARD_M ASSY	AWX1821	
		2..AUDIO ASSY	AWX2081	NSP	2..BIND B CABLE ASSY	AWX1826	
		2..COMPOSITE ASSY	AWX2086	NSP	1...INTERFACE REG_M ASSY (SC-LX89)	AWR7297	
		2..D-AUDIO BRIDGE ASSY	AWX2196		2..INTERFACE_M ASSY	AWX2121	
		2..D-DAC BRIDGE ASSY	AWX2197		2..IR REG_M ASSY	AWX2125	
		2..A-DAC BRIDGE ASSY	AWX2198		2..B DIODE ASSY	AWX2131	
		NSP 1...PRIM DISPLAY ASSY (SC-99/SC-97)	AWM8417		2..PRE BRIDGE_M ASSY	AWX1822	
		2..MIC HP ASSY	AWX2048	NSP	2..A REG BRIDGE ASSY	AWX2133	
		2..DISPLAY ASSY	AWX2026	NSP	2..FFC GUARD_M ASSY	AWX1821	
		2..VOL ASSY	AWX2029	NSP	2..BIND B CABLE ASSY	AWX1826	
		2..POWER SW ASSY	AWX2030	NSP	1...INTERFACE REG_M ASSY (SC-LX79)	AWR7300	
		2..PRIMARY ASSY	AWX2038		2..INTERFACE_M ASSY	AWX2121	
		2..ENCODER ASSY	AWX2051		2..IR REG_M ASSY	AWX2128	
		2..MIC HP GUARD ASSY	AWX2052		2..B DIODE ASSY	AWX2131	
		2..FAN CONNECT ASSY	AWX2055		2..PRIMARY SHIELD ASSY	AWX1820	
		NSP 2..VREG GUARD ASSY	AWX2053		2..PRE BRIDGE_M ASSY	AWX1822	
		NSP 2..PANEL GUARD ASSY	AWX2054		2..A REG BRIDGE ASSY	AWX2133	
		NSP 1...PRIM DISPLAY ASSY (SC-LX89/SC-LX79)	AWM8418	NSP	2..FFC GUARD_M ASSY	AWX1821	
		2..MIC HP ASSY	AWX2049	NSP	2..BIND B CABLE ASSY	AWX1826	
		2..DISPLAY ASSY	AWX2027	NSP	1...REG BRIDGE ASSY (SC-99)	AWR7306	
		2..VOL ASSY	AWX2029		2..REG ASSY	AWX2149	
		2..POWER SW ASSY	AWX2030		2..FRONT BRIDGE ASSY	AWX1833	
		2..PRIMARY ASSY	AWX2039		2..DISPLAY BRIDGE ASSY	AWX2155	
		2..ENCODER ASSY	AWX2051		2..F-IN BRIDGE ASSY	AWX2158	
		2..MIC HP GUARD ASSY	AWX2052		2..MULTI CH IN ASSY	AWX2159	
		2..FAN CONNECT ASSY	AWX2055		2..MCH BRIDGE ASSY	AWX1840	
		NSP 2..VREG GUARD ASSY	AWX2053		2..FB CONNECT ASSY	AWX1841	
		NSP 2..PANEL GUARD ASSY	AWX2054		2..CONNECT_M ASSY	AWX2162	
					2..USB RECT_M ASSY	AWX2165	
					2..BIND DM CABLE_M ASSY	AWX1846	

Mark	No.	Description	Part No.
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NSP	1...	REG BRIDGE ASSY (SC-97)	AWR7309
	2..	REG ASSY	AWX2152
	2..	FRONT BRIDGE ASSY	AWX1833
	2..	DISPLAY BRIDGE ASSY	AWX2155
	2..	F-IN BRIDGE ASSY	AWX2158
	2..	FB CONNECT ASSY	AWX1841
	2..	CONNECT_M ASSY	AWX2162
	2..	USB RECT_M ASSY	AWX2165
	2..	BIND DM CABLE_M ASSY	AWX1846

NSP	1...	REG BRIDGE ASSY (SC-LX89)	AWR7307
	2..	REG ASSY	AWX2150
	2..	FRONT BRIDGE ASSY	AWX1833
	2..	DISPLAY BRIDGE ASSY	AWX2156
	2..	F-IN BRIDGE ASSY	AWX2158
	2..	MULTI CH IN ASSY	AWX2160
	2..	MCH BRIDGE ASSY	AWX1840
	2..	FB CONNECT ASSY	AWX1841
	2..	CONNECT_M ASSY	AWX2163
	2..	USB RECT_M ASSY	AWX2166
2..	BIND DM CABLE_M ASSY	AWX1846	

NSP	1...	REG BRIDGE ASSY (SC-LX79)	AWR7310
	2..	REG ASSY	AWX2153
	2..	FRONT BRIDGE ASSY	AWX1833
	2..	DISPLAY BRIDGE ASSY	AWX2156
	2..	F-IN BRIDGE ASSY	AWX2158
	2..	FB CONNECT ASSY	AWX1841
	2..	CONNECT_M ASSY	AWX2163
	2..	USB RECT_M ASSY	AWX2166
	2..	BIND DM CABLE_M ASSY	AWX1846

1...	IR INTERFACE_M ASSY	AWX1776
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1...	DAC HIGH ASSY (SC-99)	AWX2063
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1...	DAC HIGH ASSY (SC-97)	AWX2067
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1...	DAC HIGH ASSY (SC-LX89)	AWX2064
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1...	DAC HIGH ASSY (SC-LX79)	AWX2068
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1..	COMPONENT ASSY (SC-99)	AWX2105
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1..	COMPONENT ASSY (SC-97)	AWX2108
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1..	COMPONENT ASSY (SC-LX89)	AWX2106
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1..	COMPONENT ASSY (SC-LX79)	AWX2109
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1...	DIGITAL MAIN ASSY (SC-99)	AWX2013
2..	NETWORK MODULE	AXX7293

1...	DIGITAL MAIN ASSY (SC-97)	AWX2017
2..	NETWORK MODULE	AXX7293

1...	DIGITAL MAIN ASSY (SC-LX89)	AWX2014
2..	NETWORK MODULE	AXX7293

1...	DIGITAL MAIN ASSY (SC-LX79)	AWX2018
2..	NETWORK MODULE	AXX7293

1...	FRONT HDMI USB ASSY (SC-99/SC-97)	AWX2115
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1...	FRONT HDMI USB ASSY (SC-LX89)	AWX2116
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1...	FRONT HDMI USB ASSY (SC-LX79)	AWX2118
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1...	USB DAC ASSY (SC-99)	AWX2056
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1...	USB DAC ASSY (SC-LX89)	AWX2057
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## A AUDIO ASSY

AWX2076 and AWX2080 are constructed the same except for the following:

Mark	Symbol and Description	AWX2076	AWX2080
	Q3276	Not Used	IMX25
	CN2510	AKP7123	Not Used
	JA2501,JA3202,JA6701	AKB7263	AKB7246
	JA2503	AKB7260	AKB7259
	JA2505,JA2506,JA3102	AKB7261	AKB7247
	JA3101	AKB7262	AKB7254
	JA3103	AKB7258	AKB7248
	JA3201	AKB7264	AKB7245
	R2769	RS1/10SR0R0J	Not Used
	C3276	Not Used	CEAK220M50

B AWX2077 and AWX2081 are constructed the same except for the following:

Mark	Symbol and Description	AWX2077	AWX2081
	CN2510	AKP7123	Not Used
	JA2501,JA3202,JA6701	AKB7263	AKB7246
	JA2503	AKB7260	AKB7259
	JA2505,JA2506,JA3102	AKB7261	AKB7247
	JA3101	AKB7262	AKB7254
	JA3103	AKB7258	AKB7248
	JA3201	AKB7264	AKB7245
	R2670	RS1/10SR394J	Not Used
	R2769	RS1/10SR0R0J	Not Used
	C2609	ACH7388	CEAK220M50
	C2700	ACE7101	CCSQCH151J50
	C2707,C2708,C2715,C2716	ACH7377	CEAK220M50
	C3281	CCSRCH331J50	Not Used

## B DAC HIGH ASSY

AWX2063 and AWX2067 are constructed the same except for the following:

Mark	Symbol and Description	AWX2063	AWX2067
	JA2009	AKB7235	AKB7173
	C2240-C2249, C2474, C2476, C5419,C5430	CFHXSQ103J16	CKSQYB103K50

AWX2064 and AWX2068 are constructed the same except for the following:

Mark	Symbol and Description	AWX2064	AWX2068
	JA2009	AKB7235	AKB7173
	C2116	ACE7105	CCSQCH471J50
	C2125,C2126	ACH7388	CEAK100M50
	C2230,C2231,C2233,C2234,C2238, C2239,C2415,C5433,C5434	ACH7377	CEAK220M50
	C2240-C2249,C2474,C2476,C5419, C5430	CFHXSQ103J16	CKSQYB103K50
	C2357	ACE7105	CCSQCH331J50

## C FRONT HDMI USB ASSY

AWX2116 and AWX2118 are constructed the same except for the following:

Mark	Symbol and Description	AWX2116	AWX2118
	C8010	Not Used	ACH7377
	C8041	Not Used	CCSRCH221J50
	C8087	VCH1286	Not Used

## **E** MULTI CH IN ASSY

AWX2159 and AWX2160 are constructed the same except for the following:

Mark	Symbol and Description	AWX2159	AWX2160
	C7761,C7762,C7767,C7768,C7773, C7774,C7779,C7780,C7763,C7764, C7769,C7770,C7775,C7776,C7781, C7782	Not Used	CCSQCH101J50

## **F** USB DAC ASSY

AWX2056 and AWX2057 are constructed the same except for the following:

Mark	Symbol and Description	AWX2056	AWX2057
	C5561	VCH1234	ACH7399

## **I** COMPONENT ASSY

AWX2105,AWX2108,AWX2106 and AWX2109 are constructed the same except for the following:

Mark	Symbol and Description	AWX2105	AWX2108	AWX2106	AWX2109
	JA8301,JA8302 JA8304 R8310,R8312,R8314 R8311,R8313,R8315 C8383  C8525,C8526 C8527	AKB7228 AKB7228 RS1/10SR68R0F RS1/10SR3R9J CEAK101M16  CEAK471M6R3 CEAK102M6R3	AKB7227 Not Used Not Used Not Used CEAK101M16  Not Used Not Used	AKB7228 AKB7228 RS1/10SR68R0F RS1/10SR3R9J VCH1286  CEAK471M6R3 CEAK102M6R3	AKB7227 Not Used Not Used Not Used CEAK101M16  Not Used Not Used

## **J** COMPOSITE ASSY

AWX2085 and AWX2086 are constructed the same except for the following:

Mark	Symbol and Description	AWX2085	AWX2086
	JA3601 JA3602	AKB7232 AKB7256	AKB7231 AKB7252

## **L** DISPLAY ASSY

AWX2026 and AWX2027 are constructed the same except for the following:

Mark	Symbol and Description	AWX2026	AWX2027
	R6012	RS1/10SR101J	RS1/10SR121J

## **S** D AMP ASSY

AWH7104 and AWH7108 are constructed the same except for the following:

Mark	Symbol and Description	AWH7104	AWH7108
	JA4101 JA4301,JA4501,JA4901,JA5101 R5191 R5195	AKE7150 AKE7149 RS1/10SR0R0J Not Used	AKE7142 AKE7141 Not Used RS1/10SR0R0J

AWH7105 and AWH7109 are constructed the same except for the following:

Mark	Symbol and Description	AWH7105	AWH7109
	JA4101 JA4301,JA4501,JA4901,JA5101 R5192 R5196	AKE7148 AKE7147 RS1/10SR0R0J Not Used	AKE7144 AKE7143 Not Used RS1/10SR0R0J

## **T** PRIMARY ASSY

AWX2038 and AWX2039 are constructed the same except for the following:

Mark	Symbol and Description	AWX2038	AWX2039
⚠	L1	ATF7046	ATF7050
⚠	CN81	B2P3-VH	Not Used
⚠	CN82	Not Used	B3P5-VH





Mark	No.	Description	Part No.
	Q	2702	DTA124EUA
	Q	2971,3101,3102,3201	IMX25
⚠	Q	3001	2SD2400A
⚠	Q	3002	2SB1569A
	Q	3202,3251,3252,6701	IMX25
⚠	Q	3901	2SC5712
	D	3001,3002	DZ2J075M0
	D	3902	DZ2J056M0

### MISCELLANEOUS

JA	2501,3202,6701	RCA JACK	AKB7263
JA	2503	RCA JACK	AKB7260
JA	2505,2506,3102	RCA JACK	AKB7261
JA	3101	RCA JACK	AKB7262
JA	3103	RCA JACK	AKB7258
JA	3201	RCA JACK	AKB7264
CN	2502	B TO B CONNECTOR	AKP7269
CN	2503	CONNECTOR	9607S-15F
CN	2510	18P SOCKET	AKP7123
CN	3001	20P SOCKET	AKP7249
CN	3902	CONNECTOR	9604S-09C
JP	3001	HOUSING	ADX7745

### RESISTORS

R	2819	RS1/4SA180J
R	3031	RS1/8SQ475J
R	3032	RS1/8SQ182J
	Other Resistors	RS1/10SR###J

### CAPACITORS

C	2507,2508,2817,2818	CEAK101M16
C	2523,2524	CCSQCH271J50
C	2525,2526,2587,2588	CEAK220M50
C	2589	CCSQCH151J50
C	2605,2606,2705,2706	CFHXSQ103J16
C	2607,2608	CCSQCH101J50
C	2609	ACH7388
C	2663,2664,6701,6702	CEAK100M50
C	2665,2666,3281	CCSRCH331J50
C	2667,2668	CCSRCH561J50
C	2669	CEAK470M25
C	2700	ACE7101
C	2701,2702,2760,3105	CEAK220M50
C	2707,2708,2715,2716	ACH7377
C	2709-2714,2763,2764	CFHXSQ103J16
C	2812,3164	CCSRCH101J50
C	2815,2816,3103,3104	CFHXSQ103J16
C	2819	CEAK471M16
C	2971,2972,6703,6704	CCSRCH471J50
C	3001,3002	CEAK2R2M50
C	3106,3205,3206,3255	CEAK220M50
C	3161	ACE7107
C	3163	ACE7112
C	3203,3204,3253,3254	CFHXSQ103J16
C	3230	CCSQCH331J50
C	3256	CEAK220M50
C	3903,3906	CEAK101M16
C	3907	CKSQYB103K50

Mark	No.	Description	Part No.
<b>B</b>		<b>DAC HIGH ASSY (SC-99)</b>	
		<b>SEMICONDUCTORS</b>	
⚠	IC	2002	NJM2881F33
	IC	2003	AK4118AEQ8
	IC	2006	TC74VHC08FK
	IC	2007	TC74VHC32FK
	IC	2009,2010	ES9016SD1
	IC	2011-2025,2032,2033	NJM4585M
	IC	2026,2038	AK4388ET
	IC	2027	PCM1804DB
⚠	IC	2028,2037	S-1172B12-E6
⚠	IC	2029,2031,2036	NJM2872BF33
⚠	IC	2030,2040	S-1172B33-E6
⚠	IC	2034	NJM2845DL1-05
	IC	2035,2039,2041,2042	NJM4585M
	IC	2051-2053	NJM4585M
	Q	2001,2002	HN1K02FU
	Q	2003,2004	2SA1576A
	Q	2005	2SC4081
	D	2004,2007	DAN202U
	D	2005,2006	DAP202U

### MISCELLANEOUS

L	2001,2005	CHIP SOLID INDUCTOR	QTL1013
L	2006,2008	CHIP SOLID INDUCTOR	QTL1013
L	2009,2011	CHIP SOLID INDUCTOR	QTL1013
L	2010	CHIP BEADS	VTL1129
L	2012,2016	CHIP SOLID INDUCTOR	QTL1013
JA	2002,2004	OPT IN MODULE	AKS7008
JA	2006	OPT OUT MODULE	AKS7009
JA	2009	RCA JACK	AKB7235
KN	2001-2003	SCREW PLATE	VNE1948
X	2001	CRYSTAL OSCILLATOR	ASS7124

CN	2001,2002	SOCKET(30PL)	BKP1047
CN	2003	B TO B CONNECTOR	AKP7269
CN	2004	20P SOCKET	AKP7249

### RESISTORS

R	2003,2138-2140	RS1/16SS220J
R	2004,2005,2022,2028	RS1/16SS101J
R	2035	RS1/16SS1002F
R	2041	RS1/16SS181J
R	2042,2044-2046	RS1/16SS121J
R	2043	RS1/16SS471J
R	2047,2417-2419	RS1/16SS221J
R	2048,2117,2134,2135	RS1/16SS101J
R	2049,2051,2052	RS1/16SS470J
R	2050,2053,2421	RS1/16SS680J
R	2054-2056,2146	RS1/16SS470J
R	2058,2059	RS1/8SQ225J
R	2064,2122,5395,5396	RS1/16SS0R0J
R	2066,2067,2073,2074	RS1/16SS100J
R	2077-2083,2105-2112	RS1/16SS100J
R	2118-2121,2123,2149	RS1/16SS101J
R	2141,2147,2148,2150	RS1/16SS101J
R	2151,2416,2420,2425	RS1/8SQ0R0J
R	2167,2168,2195,2198	RS1/4SAR47J
R	2172,2174	
R	2173,2175,5225,5447	RS1/4SA1R0J
R	2190,2191,2196,2197	RS1/8SQ103J
R	2199,2200	RS1/8SQ103J

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
A	R	2204,2205,5407,5408	RS1/8SQ0R0J	C	2117,2118,2136,2266	CKSQYB103K50	
	R	2245,2248,2249,2252	RS1/4SA272J	C	2125,2126,2316,2317	CEAK100M50	
	R	2253,2256,2257,2260	RS1/4SA272J	C	2128-2131,2240-2249	CFHXSQ103J16	
	R	2261,2264,2265,2268	RS1/4SA272J	C	2135,2491	ACE7105	
	R	2269,2272,2273,2276	RS1/4SA272J	C	2150-2169,2358,2408	CFHXSQ101J50	
	R	2277,2280,2281,2284	RS1/4SA272J	C	2190-2195,2198-2209	CCSQCH472J50	
	R	2285-2304,5233,5234	RS1/4SA123J	C	2196,2197,2412,2413	CCSQCH222J50	
	R	2305,2308,2309,2312	RS1/4SA272J	C	2215,2219,2221,2223	CCSQCH471J50	
	R	2313,2316,2325,2328	RS1/4SA332J	C	2217,2369,2414,2418	CCSQCH271J50	
	R	2317,2320,5235,5238	RS1/4SA562J	C	2225,2227,2229,2283	CCSQCH471J50	
R	2321,2324,2337,2340	RS1/4SA272J	C	2230,2231,2233,2234	CEAK220M50		
R	2329,2332,2333,2336	RS1/4SA332J	C	2238,2239,2305,2306	CEAK220M50		
R	2341,2344,5229,5232	RS1/4SA272J	C	2268,2269,2292,2293	CKSRYP104K50		
R	2422-2424	RS1/16SS121J	C	2274,2287,2294,2384	CEAK470M25		
R	2428,5465	RS1/16SS473J	C	2277,2298,2307,2352	CEHAZL101M10		
R	2436,2462,5378,5379	RS1/8SQ184J	C	2279,2282,2311,2351	CKSQYB104K50		
R	2440-2443,5463,5472	RS1/16SS101J	C	2281,2288,2329-2331	CFHXSQ103J16		
R	2446,2465,2474,5223	RS1/16SS100J	C	2284,2296,2318,2382	CKSQYB103K50		
R	2485,2493	RS1/8SQ105J	C	2290	CEHAZL470M25		
R	2490	RS1/8SQ242J	C	2299	CCSQCH5R0C50		
R	5377,5380	RS1/8SQ154J	C	2308	CCH1814		
R	5409-5412,5488,5489	RS1/8SQ100J	C	2314,2315	DCH1263		
R	5417,5418,8220,8326	RS1/16SS100J	C	2319,2320,2338,2339	CEAK100M50		
R	5419,5429,5430,8257	RS1/16SS0R0J	C	2322,2323,2393,2394	CCSRCH391J50		
R	5448,5499	RS1/4SA1R0J	C	2324,2325,2395,2396	CCSRCH471J50		
R	5459-5462	RS1/16SS221J	C	2335,2336,2342-2344	CFHXSQ103J16		
R	5473	RS1/16SS101J	C	2345,2348	CEAK101M35		
R	5500,8260,8261	RS1/4SA0R0J	C	2349,2354,2397,2398	CFHXSQ103J16		
R	8231-8233,8268,8269	RS1/16SS220J	C	2350,2357,5404	CCSQCH331J50		
R	8258	RS1/16SS0R0J	C	2359	CFHXSQ102J50		
R	8281	RS1/16SS103J	C	2362,5401	CKSQYB104K50		
R	8283,8285	RS1/8SQ0R0J	C	2363	CCSQCH221J50		
R	8290,8293,8296,8299	RS1/4SA272J	C	2366-2368,2370-2375	CCSQCH471J50		
R	8294,8295,8311,8312	RS1/4SA123J	C	2386	CKSQYB103K50		
R	8307,8310,8313,8316	RS1/4SA272J	C	2388,2403	CEHAZL101M10		
Other Resistors		RS1/10SR###J	C	2391,2392,2415,5433	CEAK220M50		
			C	2399,2400	CEAK100M50		
			C	2409,5412,5413,5423	CFHXSQ101J50		

**CAPACITORS**

C	2005,2006,2138,2139	CKSQYB104K50	C	2474,2476,5419,5430	CFHXSQ103J16
C	2007,2099,2100,2102	CKSQYB103K50	C	2485	CEAK470M25
C	2009,2021,2081,2083	CEAK221M16	C	2486	ACE7106
C	2011,2116,2211,2213	CCSQCH471J50	C	2488	CCG1321
C	2014,2098,2106,2133	CCSQCH331J50	C	2490,2495	ACE7101
C	2029,2032,2499	ACE7097	C	2493	ACH7396
C	2030,2033	ACE7100	C	2496	CFHXSQ331J50
C	2037,2050,2068	CKSSYB104K16	C	5416,5417,5427,5428	CCSQCH472J50
C	2038	CCSSCH221J50	C	5418,5421,5429,5432	CCSQCH471J50
C	2039,2048,2071	CKSSYB103K25	C	5424	CFHXSQ101J50
C	2040	CEAK102M16	C	5434	CEAK220M50
C	2043	ACH7388			
C	2045	CCSRCH180J50			
C	2046	CKSRYP474K16			
C	2047	CCSSCH470J50			
C	2051,2273	CEAK101M16			
C	2053,2058,2059,2065	CCSRCH100D50			
C	2055	CEHAZL221M10			
C	2082,2267,2291	CKSRYP103K50			
C	2086	CCSRCH271J50			
C	2087,2089,2091,2093	CEAK470M25			
C	2088,2092,2334,5402	CEAK221M16			

**B DAC HIGH ASSY (SC-LX89)**

**SEMICONDUCTORS**

IC	2002	NJM2881F33
IC	2003	AK4118AEQ8
IC	2006	TC74VHC08FK
IC	2007	TC74VHC32FK
IC	2009,2010	ES9016SD1
IC	2011-2025,2032,2033	NJM4585M

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
	IC	2026,2038	AK4388ET	R	2313,2316,2325,2328		RS1/4SA332J
	IC	2027	PCM1804DB	R	2317,2320,5235,5238		RS1/4SA562J
△	IC	2028,2037	S-1172B12-E6	R	2321,2324,2337,2340		RS1/4SA272J
△	IC	2029,2031,2036	NJM2872BF33	R	2329,2332,2333,2336		RS1/4SA332J
△	IC	2030,2040	S-1172B33-E6	R	2341,2344,5229,5232		RS1/4SA272J
△	IC	2034	NJM2845DL1-05	R	2422-2424		RS1/16SS121J
	IC	2035,2039,2041,2042	NJM4585M	R	2428,5465		RS1/16SS473J
	IC	2051-2053	NJM4585M	R	2436,2462,5378,5379		RS1/8SQ184J
	Q	2001,2002	HN1K02FU	R	2440-2443,5463,5472		RS1/16SS101J
	Q	2003,2004	2SA1576A	R	2446,2465,2474,5223		RS1/16SS100J
	Q	2005	2SC4081	R	2485,2493		RS1/8SQ105J
	D	2004,2007	DAN202U	R	2490		RS1/8SQ242J
	D	2005,2006	DAP202U	R	5377,5380		RS1/8SQ154J
				R	5409-5412,5488,5489		RS1/8SQ100J
<b>MISCELLANEOUS</b>							
	L	2001,2005 CHIP SOLID INDUCTOR	QTL1013	R	5417,5418,8220,8326		RS1/16SS100J
	L	2006,2008 CHIP SOLID INDUCTOR	QTL1013	R	5419,5429,5430,8257		RS1/16SS0R0J
	L	2009,2011 CHIP SOLID INDUCTOR	QTL1013	R	5448		RS1/4SA2R2J
	L	2010 CHIP BEADS	VTL1129	R	5459-5462		RS1/16SS221J
	L	2012,2016 CHIP SOLID INDUCTOR	QTL1013	R	5473		RS1/16SS101J
	JA	2002,2004 OPT IN MODULE	AKS7008	R	5499		RS1/4SA1R0J
	JA	2006 OPT OUT MODULE	AKS7009	R	5500,8260,8261		RS1/4SA0R0J
	JA	2009 RCA JACK	AKB7235	R	8231-8233,8268,8269		RS1/16SS220J
	KN	2001-2003 SCREW PLATE	VNE1948	R	8258		RS1/16SS0R0J
	X	2001 CRYSTAL OSCILLATOR	ASS7124	R	8281		RS1/16SS103J
	CN	2001,2002 SOCKET(30PL)	BKP1047	R	8283,8285		RS1/8SQ0R0J
	CN	2003 B TO B CONNECTOR	AKP7269	R	8290,8293,8296,8299		RS1/4SA272J
	CN	2004 20P SOCKET	AKP7249	R	8294,8295,8311,8312		RS1/4SA123J
				R	8307,8310,8313,8316		RS1/4SA272J
					Other Resistors		RS1/10SR###J
<b>RESISTORS</b>							
	R	2003,2138-2140	RS1/16SS220J				
	R	2004,2005,2022,2028	RS1/16SS101J				
	R	2035	RS1/16SS1002F				
	R	2041	RS1/16SS181J				
	R	2042,2044-2046	RS1/16SS121J				
	R	2043	RS1/16SS471J				
	R	2047,2417-2419	RS1/16SS221J				
	R	2048,2117,2134,2135	RS1/16SS101J				
	R	2049,2051,2052	RS1/16SS470J				
	R	2050,2053,2421	RS1/16SS680J				
	R	2054-2056,2146	RS1/16SS470J				
	R	2058,2059	RS1/8SQ225J				
	R	2064,2122,5395,5396	RS1/16SS0R0J				
	R	2066,2067,2073,2074	RS1/16SS100J				
	R	2077-2083,2105-2112	RS1/16SS100J				
	R	2118-2121,2123,2149	RS1/16SS100J				
	R	2141,2147,2148,2150	RS1/16SS101J				
	R	2151,2416,2420,2425	RS1/16SS101J				
	R	2167,2168,2195,2198	RS1/8SQ0R0J				
	R	2172,2174	RS1/4SAR47J				
	R	2173,2175,5225,5447	RS1/4SA1R0J				
	R	2190,2191,2196,2197	RS1/8SQ103J				
	R	2199,2200	RS1/8SQ103J				
	R	2204,2205,5407,5408	RS1/8SQ0R0J				
	R	2245,2248,2249,2252	RS1/4SA272J				
	R	2253,2256,2257,2260	RS1/4SA272J				
	R	2261,2264,2265,2268	RS1/4SA272J				
	R	2269,2272,2273,2276	RS1/4SA272J				
	R	2277,2280,2281,2284	RS1/4SA272J				
	R	2285-2304,5233,5234	RS1/4SA123J				
	R	2305,2308,2309,2312	RS1/4SA272J				
<b>CAPACITORS</b>							
	C	2005,2006,2138,2139	CKSQYB104K50				
	C	2007,2099,2100,2102	CKSQYB103K50				
	C	2009,2021,2081,2083	CEAK221M16				
	C	2011,2211,2213,2215	CCSQCH471J50				
	C	2014,2106,2133,2350	CCSQCH331J50				
	C	2029,2032,2359,2499	ACE7097				
	C	2030,2033	ACE7100				
	C	2037,2050,2068	CKSSYB104K16				
	C	2038	CCSSCH221J50				
	C	2039,2048,2071	CKSSYB103K25				
	C	2040	CEAK102M16				
	C	2043,2055,2125,2126	ACH7388				
	C	2045	CCSRCH180J50				
	C	2046	CKSRYB474K16				
	C	2047	CCSSCH470J50				
	C	2051,2273	CEAK101M16				
	C	2053,2058,2059,2065	CCSRCH100D50				
	C	2082,2267,2291	CKSRYB103K50				
	C	2086	CCSRCH271J50				
	C	2087,2089,2091,2093	CEAK470M25				
	C	2088,2092,2334,5402	CEAK221M16				
	C	2098,2116,2135,2357	ACE7105				
	C	2117,2118,2136,2266	CKSQYB103K50				
	C	2128-2131,2240-2249	CFHXSQ103J16				
	C	2150-2169,2408,2409	CFHXSQ101J50				
	C	2190-2195,2198-2209	CCSQCH472J50				
	C	2196,2197,2412,2413	CCSQCH222J50				
	C	2217,2369,2414,2418	CCSQCH271J50				
	C	2219,2221,2223,2225	CCSQCH471J50				
	C	2227,2229,2283	CCSQCH471J50				

Mark	No.	Description	Part No.
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	C	2230,2231,2233,2234	ACH7377
	C	2238,2239,2415,5433	ACH7377
A	C	2268,2269,2292,2293	CKSRYB104K50
	C	2270,2360,2490,2495	ACE7101
	C	2274,2287,2294,2384	CEAK470M25

	C	2277,2298,2352,2388	CEHAZL101M10
	C	2279,2282,2311,2351	CKSQYB104K50
	C	2281,2288,2329-2331	CFHXSQ103J16
	C	2284,2296,2318,2382	CKSQYB103K50
	C	2290,2307,2403	ACH7388

	C	2299	CCSQCH5R0C50
	C	2305,2306,2391,2392	CEAK220M50
	C	2308	CCH1814
B	C	2314,2315	DCH1263
	C	2316,2317,2319,2320	CEAK100M50

	C	2322,2323,2393,2394	CCSRCH391J50
	C	2324,2325,2395,2396	CCSRCH471J50
	C	2335,2336,2342-2344	CFHXSQ103J16
	C	2338,2339,2399,2400	CEAK100M50
	C	2345,2348	CEAK101M35

	C	2349,2354,2397,2398	CFHXSQ103J16
	C	2358,2491	ACE7105
	C	2362,5401	CKSQYB104K50
	C	2363	CCSQCH221J50
C	C	2366-2368,2370-2375	CCSQCH471J50

	C	2386	CKSQYB103K50
	C	2474,2476,5419,5430	CFHXSQ103J16
	C	2485	CEAK470M25
	C	2486	ACE7106
	C	2488	ACE7112

	C	2493	ACH7396
	C	2496	CFHXSQ331J50
	C	5404	CCSQCH331J50
	C	5412,5413,5423,5424	CFHXSQ101J50
D	C	5416,5417,5427,5428	CCSQCH472J50

	C	5418,5421,5429,5432	CCSQCH471J50
	C	5434	ACH7377

Mark	No.	Description	Part No.
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	R	8009	RS1/10SR473J
	R	8022,8100,8101	RS1/10SR0R0J
	R	8033	RS1/8SQ105J
	R	8044	RS1/16SS1801F

	R	8045	RS1/16SS2200F
	R	8046	RS1/16SS8201F
	R	8055,8091	RS1/4SA105J
	R	8092-8095	RS1/8SQ0R0J
	Other Resistors		RS1/16SS###J

### CAPACITORS

	C	8001,8021	CCSSCH101J50
	C	8003,8042,8043	CCSSCH331J50
	C	8010	ACH7377
	C	8012,8017	CKSQYB103K50
	C	8014,8031	CCSRCH331J50

	C	8029,8037,8038	CKSRYB104K50
	C	8030	CKSRYB103K50
	C	8033,8044,8045	CCG1236
	C	8035	CCSRCH390J50
	C	8039	CCSRCH222J50

	C	8041	CCSRCH221J50
	C	8048	ACH7388
	C	8051	CCSQCH331J50
	C	8053	CCSRCH100D50
	C	8079	CCSRCH120J50

## C FRONT HDMI USB ASSY (SC-LX89)

### SEMICONDUCTORS

⚠	IC	8002	BD82065FVJ
	IC	8003	PCA9517DGK
⚠	IC	8004	BD9329EFJ
	Q	8004	2SC4081
	D	8004	DZ2J056M0

### MISCELLANEOUS

L	8001,8002	CHIP BEADS	ATL7010
L	8003	CHOKE COIL	CTH1446
F	8001	EMI FILTER	DTL1106
JA	8001	USB JACK	DKN1658
JA	8002	HDMI JACK	AKP7286

JA	8003	HDMI JACK	AKP7280
KN	8001,8002	EARTH TERMINAL	AKF7002
CN	8002	5P CONNECTOR	VKN1374
JH	8002	PCB BINDER	AEF7008
JP	8001	HOUSING	ADX7760

### RESISTORS

R	8005,8052,8053		RS1/8SQ0R0J
R	8009		RS1/10SR473J
R	8022,8100,8101		RS1/10SR0R0J
R	8033		RS1/8SQ105J
R	8044		RS1/16SS1801F

R	8045		RS1/16SS2200F
R	8046		RS1/16SS8201F
R	8055,8091		RS1/4SA105J
R	8092-8095		RS1/8SQ0R0J
Other Resistors			RS1/16SS###J

### CAPACITORS

C	8001,8021		CCSSCH101J50
C	8003,8042,8043		CCSSCH331J50
C	8012,8017		CKSQYB103K50
C	8014,8031		CCSRCH331J50

## C FRONT HDMI USB ASSY (SC-99)

### SEMICONDUCTORS

⚠	IC	8002	BD82065FVJ
	IC	8003	PCA9517DGK
⚠	IC	8004	BD9329EFJ
	Q	8004	2SC4081
E	D	8004	DZ2J056M0

### MISCELLANEOUS

L	8001,8002	CHIP BEADS	ATL7010
L	8003	CHOKE COIL	CTH1446
F	8001	EMI FILTER	DTL1106
JA	8001	USB JACK	DKN1658
JA	8002	HDMI JACK	AKP7286

JA	8003	HDMI JACK	AKP7280
KN	8001,8002	EARTH TERMINAL	AKF7002
CN	8002	5P CONNECTOR	VKN1374
JH	8002	PCB BINDER	AEF7008
JP	8001	HOUSING	ADX7760

### RESISTORS

R	8005,8052,8053		RS1/8SQ0R0J
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Mark	No.	Description	Part No.
C	8029,8037,8038		CKSRYP104K50
C	8030		CKSRYP103K50
C	8033,8044,8045		CCG1236
C	8035		CCSRCH390J50
C	8039		CCSRCH222J50
C	8048		ACH7388
C	8051		CCSQCH331J50
C	8053		CCSRCH100D50
C	8079		CCSRCH120J50
C	8086		CCH1814
C	8087		VCH1286

## **D** USB RECT\_M ASSY (SC-99,SC-LX89)

### MISCELLANEOUS

⚠	D 3651	D5SBA60
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### MISCELLANEOUS

H	3651,3652 FUSE CLIP	AKR1004
KN	3651 EARTH TERMINAL	AKF7002
CN	3651 3P TOP POST	B3B-EH
CN	3652 2P TOP POST	B2B-EH
JH	3652 PCB BINDER	AEF7008

### RESISTORS

R	3652	RS1/4SA105J
R	3655	RS1/10SR0R0J
	Other Resistors	RS1/8SQ###J

### CAPACITORS

C	3651	CFTLA104J50
C	3659	RS1/8SQ105J
C	3665,3666	CEAK472M16

## **E** MULTI CH IN ASSY (SC-99,SC-LX89)

### MISCELLANEOUS

JA	7761,7762 RCA JACK	AKB7263
KN	7761 SCREW PLATE	VNE1948
CN	7761 18P SOCKET	AKP7123

### RESISTORS

	All Resistors	RS1/10SR###J
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### CAPACITORS

C	7765,7766,7771,7772	CEAK220M50
C	7777,7778,7783,7784	CEAK220M50

## **F** USB DAC ASSY (SC-99)

### SEMICONDUCTORS

IC	5503	CM6631A
IC	5512	AYW7396
Q	5505,5670	2SA1576A
Q	5506	HN1K02FU
Q	5621	2SC4081
⚠	Q 5622	RTQ040P02
D	5670	1SS355

### MISCELLANEOUS

L	5505 CHIP BEADS	VTL1128
L	5509 CHIP BEADS	ATL7010
L	5510,5511,5520,5521 CHIP BEADS	VTL1129
JA	5501 USB CONNECTOR	DKN1237

Mark	No.	Description	Part No.
	KN 5501	SCREW PLATE	VNE1948
X	5501	CRYSTAL TRANSDUCER	ASS7120
X	5502	CRYSTAL OSCILLATOR	ASS7121
X	5503	CRYSTAL OSCILLATOR	ASS7122
CN	5501	B TO B 17PIN PLUG	AKM7104

### RESISTORS

R	5509	CCSRCH120J50
R	5601	RS1/16SS1202F
R	5626	RS1/8SQ104J
R	5630-5635	RAB4CQ220J
R	5707	RS1/8SQ0R0J

Other Resistors

RS1/16SS###J

### CAPACITORS

C	5503	RS1/16SS105J
C	5521,5567,5666,5677	CKSSYP103K25
C	5552,5582,5584,5665	CCSSCH101J50
C	5559,5560	CCSSCH5R0C50
C	5561	VCH1234

C	5562	CCSSCH330J50
C	5568	DCH1246
C	5572,5575	CCG1222
C	5573,5576,5583,5623	CKSSYP104K16
C	5574,5577	CCSSCH390J50

C	5578,5579	CCSSCH471J50
C	5580,5621	CCSSCH331J50
C	5581	CCSSCH470J50
C	5625,5648,5675,5676	CKSSYP104K16
C	5639	CKSRYP474K16

C	5649	DCH1263
C	5678,5690	CKSSYP103K25

## **G** DIGITAL MAIN ASSY (SC-99)

### SEMICONDUCTORS

IC	101	R5S726B0D216FP
IC	102,9001,9702	A3V64S40GTP-60
IC	102,9001,9702	M12L64164A-5TG2Y
IC	103	AYW7422
IC	105,1521,9208	TC7SH08FUS1

⚠	IC 107,608,609,612	TC74VHCT08AFKS1
⚠	IC 451	TPS65251RHA
⚠	IC 603	PE7008A
⚠	IC 604,1808	TC7WHU04FK
⚠	IC 610,1509,1806	74VHC126FT

IC	611	74VHCT126AFT
IC	613,1601,1603,1616	TC74VHC08FK
IC	614,1502	TC74VHCT08AFKS1
IC	615,1512	TC7SZ126FUS1
IC	901,903	74LCX541FT

IC	909	ADV7181CBSTZ
IC	1204	88DE2750
IC	1212	M14D51216322R5BG2K
IC	1212	K4T51163QQ-BCE7
⚠	IC 1216	BD3539NUX

IC	1501,1516,1815,1817	TC74VHC157FK
IC	1503,1515,1814,1818	TC74LCX157FK
IC	1507	TC7WH157FU
IC	1508	TC7SET08FUS3
IC	1511	ICS511MLF

Mark	No.	Description	Part No.
		IC 1602	MN864787
A	△	IC 1605,1610,1615	BD2242G-G
		IC 1606-1608	TC74VCX541FK
		IC 1609	MN864788
		IC 1804	TC74LCX08FK
		IC 9002	CS49844A
		IC 9005	74VHC4040FT
		IC 9006,9101	TC74VHC157FK
		IC 9202	AYW7424
		IC 9206	H337S3959
	△	IC 9402,9518	S-1172B10-U5
	△	IC 9403	MM3543BH
B	△	IC 9404,9505	MM3529A18P
	△	IC 9406	MM3411A50N
	△	IC 9407,9508	MM3529A25P
	△	IC 9408	MM3542BF
	△	IC 9502	S-13A1A00-E6
	△	IC 9504,9511	MM3529A50P
	△	IC 9512	NJM2872BF33
	△	IC 9513	NJM2846DL3-33
	△	IC 9514,9515,9523	MIC94325YMT
		IC 9602	SII9589CTUC-3
	△	IC 9603	BD82065FVJ
C		IC 9703	D808K013DP456
		Q 601,701,1501,9603	DTC124EUA
		Q 906-908,1001,1506	2SA1576A
		Q 909-911	2SC4081
		Q 912	HN1K02FU
		Q 1502-1505,1508,1509	DTA124EUA
		Q 9001,9606,9608,9610	DTC114YUA
		Q 9607,9609,9611	DTC124EUA
	D	601	RB501VM-40

**MISCELLANEOUS**

D		L 102,103,105,106 CHIP BEADS	VTL1129
		L 321,341,361,603 CHIP BEADS	VTL1129
		L 342,9007,9704 RESISTOR	RS1/16SS0R0J
		L 453,9410 INDUCTOR	ATH7107
		L 454,455,457-459 CHIP BEADS	ATL7010
		L 475,476,918,1210 CHIP BEADS	ATL7010
		L 604 RESISTOR	RS1/16SS100J
		L 606,608,609,902 CHIP BEADS	VTL1129
		L 907,917,919,1208 CHIP BEADS	VTL1129
		L 921 INDUCTOR	CTF1547
		L 922-924 INDUCTOR	ATL7033
		L 925-927 INDUCTOR	ATL7035
E		L 1151-1154,1609-1612 CHOKE COIL	ATH7099
		L 1155,1618,1642 FERRITE BEAD	CTF1528
		L 1209,1501-1503 CHIP BEADS	VTL1129
		L 1211,1601,9002,9003 CHIP BEADS	ATL7010
		L 1505-1508,1515,1521 CHIP BEADS	VTL1129
		L 1510,9004,9703,9705 CHIP BEADS	VTL1128
		L 1602,1604,1619-1621 CHIP BEADS	VTL1129
		L 1617 CHIP BEADS	VTL1126
		L 1638-1641,9215,9216 CHOKE COIL	ATH7099
		L 1801,1806-1808,1810 CHIP BEADS	VTL1129
F		L 1815,9005,9009,9101 CHIP BEADS	VTL1129
		L 9203-9206,9402,9406 CHIP BEADS	ATL7010
		L 9211,9219,9861 CHIP BEADS	VTL1129

Mark	No.	Description	Part No.
	L	9217 FILTER	CTF1703
	L	9408,9411,9412,9502 CHIP BEADS	ATL7010
	L	9505,9510-9513,9610 CHIP BEADS	ATL7010
	L	9612,9702 CHIP BEADS	ATL7010
	L	9701 RESISTOR	RS1/8SQ0R0J
	F	1603,1605-1608,1613 EMI FILTER	DTL1106
	F	1614,1622-1625 EMI FILTER	DTL1106
	JA	1601-1603,9601-9607 HDMI JACK	AKP7286
	JA	9202 RJ45 CONNECTOR	AKN7115
	JA	9620 HDMI JACK	AKP7286
	KN	602,9402,9403 SCREW PLATE	VNE1948
	KN	9201 EARTH TERMINAL/VRT	ANG7840
	X	101 CRYSTAL TRANSDUCER	ASS7120
	X	602 CRYSTAL RESONATOR	ASS7126
	X	902 CRYSTAL	ASS7111
	X	1201 CRYSTAL	ASS7114
	X	1501 CRYSTAL OSCILLATOR	ASS7102
	X	1502 CRYSTAL OSCILLATOR	ASS7101
	X	1601,1602 CRYSTAL OSCILLATOR	ASS7123
	X	9001 CRYSTAL(24MHZ)	DSS1203
	CN	601 39P CONNECTOR	VKN2098
	CN	602 B TO B CONNECTOR	AKN7155
	CN	603 B TO B CONNECTOR	AKN7152
	CN	901 B TO B 23PIN JACK	AKN7073
	CN	1502 24P SOCKET	AKP7251
	CN	1984 B TO B 17PIN JACK	AKN7070
	CN	9202 CONNECTOR	AKM1276
	CN	9203,9204 B TO B CONNECTOR	AKM7235
	CN	9501 CONNECTOR	B7B-EH
	CN	9502 CONNECTOR	AKM1274
	CN	9701,9702 SOCKET(30PL)	BKP1047
	JH	9501,9502 PCB BINDER	AEF7008

**RESISTORS**

R	101-104,108-110	RAB4CQ101J
R	117-120,1735,9016	RAB4CQ220J
R	124,132-135,189	RAB4CQ223J
R	269,338,1115	RS1/10SR0R0J
R	335	RS1/10SR470J
R	400,9444	RS1/16SS6800F
R	401	RS1/16SS4701F
R	408	RS1/16SS2202F
R	453	RS1/16SS3002F
R	455,457,459	RS1/16SS4022F
R	456	RS1/16SS2702F
R	458	RS1/16SS1272F
R	460,9437,9573	RS1/16SS2401F
R	469,9406,9469	RS1/16SS8202F
R	470,9470	RS1/16SS7501F
R	471	RS1/16SS3301F
R	477,478,789,1203	RS1/8SQ0R0J
R	480-483,9418,9447	RS1/8SQ105J
R	511,1159,1613,1661	RS1/16SS11003F
R	608,609,1725,1726	RAB4CQ100J
R	611-614,913,914	RAB4CQ101J
R	902-904,921	RAB4CQ0R0J
R	907,909,1201,1202	RAB4CQ473J
R	910,911,1041,1049	RAB4CQ330J
R	1004,1100-1105	RS1/16SS4700F
R	1005	RS1/16SS5100F

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
R	1047,1048,1608,1611		RAB4CQ680J	C	176,492,624,648		CCSSCH470J50
R	1160,1614,1662,9572		RS1/16SS6201F	C	180,665,666		CCSSCH7R0D50
R	1205,1207,1215,1242		RAB4CQ330J	C	192,406,498,572		CCSSCH330J50
R	1208,1243,1244,1343		RAB4CQ473J				
R	1235		RAB4CQ472J	C	201,649,699,734		CCSSCH221J50
R	1245,1248,1249,1339		RAB4CQ330J	C	207,213,217,218		CKSSYB103K25
R	1277,1284,1288,1289		RAB4CQ151J	C	212,219,363,619		CCSSCH101J50
R	1291		RAB4CQ151J	C	221,223,342,362		CKSSYB103K25
R	1342,1365,9007-9010		RAB4CQ330J	C	222,321,341		CCSSCH100D50
R	1345-1348,1464		RAB4CQ473J	C	343,9101		CCSSCH820J50
R	1451-1453,1458-1460		RS1/10SR0R0J	C	405,407,9408,9433		CCG1222
R	1454-1457,1704,1705		RS1/8SQ0R0J	C	412,9022,9115		CCSRCH100D50
R	1615,1616,1622,1625		RAB4CQ680J	C	417,9634		ACG7114
R	1677,1679,1680,1687		RAB4CQ470J	C	421,424,473,474		RS1/8SQ105J
R	1690		RAB4CQ470J	C	423,9425		CCSQCH330J50
R	1710,9205-9207,9401		RS1/8SQ0R0J	C	451,656		CCSSCH680J50
R	1711,1712,9208,9209		RS1/10SR0R0J	C	453,499,714,1025		CEVW101M16
R	1723,1724,1728,1729		RAB4CQ680J	C	455,495,496		CCG1332
R	1730,1731,9171,9804		RAB4CQ100J	C	456,459,1207,1358		CEVW221M4
R	1733,9011,9012,9018		RAB4CQ680J	C	457,623,1379,1506		CCSSCH560J50
R	9017,9024,9031,9761		RAB4CQ220J	C	460-462		CKSRYB473K50
R	9019,9756,9757,9763		RAB4CQ680J	C	463,464,483,612		CKSSYB103K25
R	9043,9050,9149,9785		RAB4CQ101J	C	465,1104-1106,1457		CCSSCH4R0C50
R	9265,9266,9752-9755		RAB4CQ330J	C	467,1095-1100,1359		CCSSCH5R0C50
R	9404		RS1/16SS1002F	C	476		CCSQCH100D50
R	9408		RS1/16SS8201F	C	477,479,9441,9538		CCSRCH222J50
R	9431		ATL7010	C	481,9302,9504		CKSSYB223K16
R	9443		RS1/16SS2200F	C	482,9641		CKSRYB473K16
R	9449,9805		RS1/10SR0R0J	C	484-486,506-508		CCG1236
R	9466		RS1/16SS1201F	C	487		CCSRCH102J50
R	9485		RS1/8SQ225J	C	489-491,604,608		CCSSCH100D50
R	9513,9606,9609		RS1/8SQ0R0J	C	601,1208,1638,1764		ACH7399
R	9515		RS1/8SQ475J	C	602,1355,1427,1610		VCH1234
R	9525		RS1/4SA105J	C	613,647,1461		CCSSCH151J50
R	9530,9567,9591,9641		RS1/8SQ105J	C	616,618,628,633		CKSSYB103K25
R	9571		RS1/16SS1301F	C	617,625,626,638		CKSSYB104K16
R	9596		RS1/16SS1802F	C	621,679,904,1206		CCSSCH220J50
R	9762,9766,9770		RAB4CQ220J	C	627,639,650,659		CCSSCH101J50
R	9764,9781		RAB4CQ680J	C	634,640,737,740		CCSSCH100D50
R	9806		RS1/4SA0R0J	C	636,644,653,664		CKSSYB103K25
Other Resistors			RS1/16SS###J	C	641,642,645,662		CKSSYB104K16
<b>CAPACITORS</b>				C	660,669,671,682		CCSSCH101J50
C	101,104,107,116		CEVW101M16	C	661,663,678,753		CCSSCH330J50
C	105,157,193,206		CCSSCH100D50	C	667,670,680,685		CKSSYB103K25
C	109,148,186,187		CCSSCH8R0D50	C	675,962,964,1032		CKSSYB104K16
C	117,119,126,162		CCSSCH101J50	C	690,697,705,708		CCSSCH101J50
C	118,1229,1549,1721		DCH1246	C	713,739,741,1479		CCSSCH8R0D50
C	120,124,130,133		CKSSYB103K25	C	717,718,743,744		CCSSCH470J50
C	122,127,136,137		CKSSYB104K16	C	735,749,751,752		CCSSCH101J50
C	129,160,511,538		CCSSCH270J50	C	742,745,746,755		CCSSCH100D50
C	132,196,1468,1771		CCSSCH120J50	C	748,750,1040,1244		CCSSCH221J50
C	138,146,153,155		CKSSYB103K25	C	756,1076,1511,1550		CCSSCH330J50
C	150,152,159,166		CKSSYB104K16	C	757,9007,9750		RS1/16SS105J
C	151,454,1570,9061		CCSSCH390J50	C	902,910,1027,1033		CCSSCH101J50
C	154,194,361,554		CCSSCH220J50	C	903,909,1010,1034		CKSSYB103K25
C	156,961,1035,1069		CCSSCH471J50	C	908,1647,1651,1663		CCSSCH470J50
C	158,163,178,205		CKSSYB103K25	C	1001,1089-1091,9694		DCH1201
C	165,1204,1313,1326		CCSSCH150J50	C	1024,1107-1109,1720		CCSSCH180J50
C	171,208,216,322		CKSSYB104K16	C	1028,1036,1274,1390		CCSSCH270J50
				C	1031,1042,1064,1075		CEVW101M16

Mark	No.	Description	Part No.
A	C	1037,1046,1070,1251	CCSSCH331J50
	C	1038,1043,1045,1047	CKSSYB103K25
	C	1044	CKSSYB823K10
	C	1048,1060,1063,1065	DCH1263
	C	1049,1252	CCSSCH102J50
	C	1050-1052,1055,1057	CKSSYB104K16
	C	1054,1056,1224,1236	CKSSYB103K25
	C	1059,1061,1067,1068	CKSSYB104K16
	C	1062,1088,1246,1286	CCSSCH100D50
	C	1071,1072,1092-1094	CKSSYB104K16
	C	1074,1205,1352	DCH1263
	C	1079,1084,1215,1231	CCSSCH101J50
	C	1101-1103,1333,1478	CCSSCH7R0D50
B	C	1110-1112,1213,1240	CKSSYB104K16
	C	1113,1357,1660,1763	CEVW101M16
	C	1153,1606,1611,1626	VCG1072
	C	1155,1621,1693,9250	CKSRYP103K50
	C	1203,1230,1349,1656	CKSQYB105K25
	C	1210	ACG7118
	C	1220,1248,1278,1360	CCSSCH220J50
	C	1228,9403,9405	ACG7113
	C	1238,1267,1270,1276	CKSSYB103K25
	C	1254,1289,1297,1343	CKSSYB104K16
	C	1256,1268,1322,1339	CCSSCH101J50
C	C	1285,1305,1319,1325	CKSSYB103K25
	C	1299,1324,1388,1488	CCSSCH221J50
	C	1311,1323,1346,1381	CCSSCH331J50
	C	1334,1380,1426,1453	CKSSYB103K25
	C	1353,9226,9228,9230	RS1/8SQ105J
	C	1361,1410,1411,1485	CCSSCH100D50
	C	1384,1409,1455,1466	CKSSYB104K16
	C	1393,1648,1671,1680	CCSSCH220J50
	C	1395,1559,1561,1631	CCSSCH150J50
	C	1398,1451,1470,1569	CCSSCH331J50
D	C	1425,1456,1460,1471	CCSSCH101J50
	C	1454,1458,1459,1462	CKSSYB103K25
	C	1464,1513,1734,1748	CCSSCH471J50
	C	1467,1490,1568,1625	CKSSYB104K16
	C	1474,1480,1518,1548	CCSSCH101J50
	C	1475,1477,1484,1486	CKSSYB103K25
	C	1482	CCH1814
	C	1487,1592	CCSSCH271J50
	C	1489,1536,1560,1650	CCSSCH221J50
	C	1502,1537,1557,1565	CCSSCH100D50
E	C	1505,1522,1529,1535	CKSSYB103K25
	C	1509,9545,9546	CEAK102M16
	C	1551,1556,1567,1593	CKSSYB103K25
	C	1553,9027,9636,9770	CCSSCH270J50
	C	1555,1620,1664,1743	CCSSCH330J50
	C	1562,1609,1637,1716	CCSSCH4R0C50
	C	1566,1836	CEVW470M6R3
	C	1584,1585,1645,1677	CCSSCH100D50
	C	1586,1587,1653,1708	CCSSCH101J50
	C	1595,1602,1624,1646	CKSSYB103K25
	C	1601,1617,1618,1630	CEVW221M4
	C	1604,1644,1690,1816	CCSSCH5R0C50
F	C	1614,1615,1781,1796	CCSSCH7R0D50
	C	1623,1780,9606,9608	CCSSCH331J50
	C	1627,1666,1688,1700	ACG7115


Mark	No.	Description	Part No.
C	1633,1695,1696,1714	CCG1325	
C	1642,1649,1662,1667	CKSSYB104K16	
C	1652,1665,1669,1679	CKSSYB103K25	
C	1654,9501	ACH7306	
C	1655,1784,9005,9029	CEVW221M4	
C	1659,1694,1766,1775	CCSSCH150J50	
C	1670,1731,1835,1855	CCSSCH221J50	
C	1673,1683,1710,1742	CKSSYB104K16	
C	1681,1684,1685,1689	CKSSYB103K25	
C	1691,1699,1703,1706	CKSSYB103K25	
C	1692,1711,1768,9003	CCSSCH220J50	
C	1702,1739,1754,1777	CCSSCH100D50	
C	1704	VCG1072	
C	1705	CCSRCH272J50	
C	1713,1718,1735-1737	CKSSYB103K25	
C	1717,1741,1749,1789	CCSSCH101J50	
C	1725,1727,1728,1744	DCH1246	
C	1738,9015,9056,9085	CCSSCH470J50	
C	1750,1753,1756,1770	CKSSYB104K16	
C	1751,1755,1757,1774	CKSSYB103K25	
C	1752,1767,9231,9629	CCSSCH180J50	
C	1765,1935,9458,9466	CEVW101M16	
C	1769,1773,1783,9455	CKSQYB105K25	
C	1772,9044,9054,9099	CCSSCH330J50	
C	1776,1778,1790,1793	CKSSYB103K25	
C	1779,1788,1791,1797	CKSSYB104K16	
C	1785	CCSSCH4R0C50	
C	1794	CCSSCH9R0D50	
C	1795,9783	CCSSCH8R0D50	
C	1798,1801,1828,1845	CKSSYB103K25	
C	1799,1983,1989,9009	CCSSCH100D50	
C	1803,1846,9019,9024	CCSSCH101J50	
C	1822,9218,9701,9731	CCSSCH150J50	
C	1834,1854,1932,9014	CKSSYB104K16	
C	1839	CKSRYP105K16	
C	1934,9532	CFHXSQ103J16	
C	9002,9233,9249,9315	CCSSCH7R0D50	
C	9004,9314	ACH7399	
C	9011,9013,9016,9021	CKSSYB103K25	
C	9020,9034,9037,9041	CCSSCH100D50	
C	9023,9025,9031,9042	CKSSYB104K16	
C	9026,9032,9039,9046	CCSSCH101J50	
C	9028,9035,9040,9043	CKSSYB103K25	
C	9030	ACG7115	
C	9038	CFHXSQR182J16	
C	9048,9052,9063,9069	CKSSYB103K25	
C	9049,9055,9301,9599	CCSSCH220J50	
C	9051,9058,9066,9088	CKSSYB104K16	
C	9053,9057,9064,9083	CCSSCH101J50	
C	9065,9074,9096,9103	CCSSCH100D50	
C	9075,9332,9529,9799	CKSRYP104K50	
C	9084,9089,9093,9094	CKSSYB103K25	
C	9098,9102,9333,9409	CKSSYB103K25	
C	9118,9213	ACE7113	
C	9126,9229,9313,9402	CCSSCH100D50	
C	9227,9338,9434,9454	CCSSCH101J50	
C	9232,9436,9450,9499	CEVW221M4	
C	9234,9418,9557	RS1/8SQ105J	
C	9235,9647,9758,9784	CCSSCH470J50	
C	9246,9311	CEVW471M10	



<u>Mark</u>	<u>No.</u>	<u>Description</u>	<u>Part No.</u>
C	9324,9325		CKSSYB222K50
C	9337,9421,9632,9659		CKSSYB104K16
C	9404,9662,9767		CCSSCH221J50
C	9410,9432,9445,9482		CCSSCH100D50
C	9416,9457,9465,9524		CCG1325
C	9426-9428,9463,9502		CKSSYB103K25
C	9429,9444,9451,9514		CCG1236
C	9430		CCG1321
C	9431,9477,9494		CKSRYP103K50
C	9435,9479,9481,9488		CCG1222
C	9442		CKSSYB153K16
C	9459,9460,9517,9519		CKSQYB105K25
C	9461,9516,9533,9581		CCSSCH101J50
C	9462		CKSRYP223K50
C	9473		CKSQYB104K50
C	9484,9492,9495,9503		CCSSCH100D50
C	9485,9525,9782		CCSSCH330J50
C	9489,9498,9507,9530		CEVW101M16
C	9493,9496		CCG1222
C	9505,9506,9509,9522		CCSSCH100D50
C	9512,9534		CKSSYB472K50
C	9513		CCSSCH7R0D50
C	9521,9537		CCG1236
C	9523,9726		CCSSCH120J50
C	9526		CKSQYB105K25
C	9527,9626,9635,9772		CEVW221M4
C	9528,9627,9661,9663		CKSSYB103K25
C	9558		CCSRCH330J50
C	9559,9600,9642,9747		CEVW101M16
C	9582,9590		CCG1325
C	9597,9602,9621,9660		CCSSCH101J50
C	9610,9697,9700,9773		DCH1246
C	9615,9672,9674,9680		CCSSCH331J50
C	9616,9630,9744,9798		CCSSCH220J50
C	9617,9702,9703,9705		CCSSCH100D50
C	9665,9709,9712-9714		CKSSYB103K25
C	9666,9670,9678,9691		CCSSCH101J50
C	9669,9673,9679,9692		CKSSYB104K16
C	9688		CCSSCH331J50
C	9696,9721,9745,9757		CKSSYB104K16
C	9706,9724,9734,9735		CCSSCH100D50
C	9716,9719,9728,9736		CKSSYB103K25
C	9730		CCSSCH5ROC50
C	9732,9738-9740		CCSSCH150J50
C	9737,9742,9752,9765		CCSSCH100D50
C	9748		CEVW101M16
C	9753,9756,9760,9771		CKSSYB103K25
C	9761		CCSRCH152J50
C	9762-9764,9766,9768		CKSSYB104K16
C	9769,9775,9781,9787		CCSSCH101J50
C	9774,9776,9780,9789		CKSSYB103K25
C	9777		CCSSCH390J50
C	9779,9785,9788,9790		CKSSYB104K16
C	9791,9814,9816,9820		CCSSCH100D50
C	9793,9796,9797,9804		CKSSYB103K25
C	9794,9805,9812,9821		CKSSYB104K16
C	9795,9810,9819,9863		CCSSCH101J50
C	9811,9815,9818,9908		CKSSYB103K25
C	9813		CCSRCH222J50

<u>Mark</u>	<u>No.</u>	<u>Description</u>	<u>Part No.</u>
C	9822		CCSSCH470J50
C	9861		CCSSCH220J50
C	9862		CKSSYB104K16
C	9910,9912		DCH1246


**DIGITAL MAIN ASSY (SC-97)**  
**SEMICONDUCTORS**

IC	101		R5S726B0D216FP
IC	102,9001,9702		M12L64164A-5TG2Y
IC	102,9001,9702		A3V64S40GTP-60
IC	103		AYW7422
IC	105,1521,9208		TC7SH08FUS1
IC	107,608,609,612		TC74VHCT08AFKS1
⚠	IC 451		TPS65251RHA
IC	603		PE7008A
IC	604,1808		TC7WHU04FK
IC	610,1509,1806		74VHC126FT
IC	611		74VHCT126AFT
IC	613,1601,1603,1616		TC74VHC08FK
IC	614,1502		TC74VHCT08AFKS1
IC	615,1512		TC7SZ126FUS1
IC	901,903		74LCX541FT
IC	909		ADV7181CBSTZ
IC	1204		88DE2750
IC	1212		K4T51163QQ-BCE7
IC	1212		M14D5121632R5BG2K
⚠	IC 1216		BD3539NUX
IC	1501,1516,1815,1817		TC74VHC157FK
IC	1503,1515,1814,1818		TC74LCX157FK
IC	1507		TC7WH157FU
IC	1508		TC7SET08FUS3
IC	1511		ICS511MLF
IC	1602		MN864787
⚠	IC 1605,1610,1615		BD2242G-G
IC	1606-1608		TC74VCX541FK
IC	1609		MN864788
IC	1804		TC74LCX08FK
IC	9002		CS49844A
IC	9005		74VHC4040FT
IC	9006,9101		TC74VHC157FK
IC	9202		AYW7424
IC	9206		H337S3959
⚠	IC 9402,9518		S-1172B10-U5
⚠	IC 9403		MM3543BH
⚠	IC 9404,9505		MM3529A18P
⚠	IC 9406		MM3411A50N
⚠	IC 9407,9508		MM3529A25P
⚠	IC 9408		MM3542BF
⚠	IC 9502		S-13A1A00-E6
⚠	IC 9504,9511		MM3529A50P
⚠	IC 9512		NJM2872BF33
⚠	IC 9513		NJM2846DL3-33
⚠	IC 9514,9515,9523		MIC94325YMT
⚠	IC 9602		SII9589CTUC-3
⚠	IC 9603		BD82065FVJ
IC	9703		D808K013DPTP456
Q	601,701,1501,9603		DTC124EUA
Q	906-908,1001,1506		2SA1576A

Mark	No.	Description	Part No.
	Q	909-911	2SC4081
	Q	912	HN1K02FU
A	Q	1502-1505,1508,1509	DTA124EUA
	Q	9001,9606,9608,9610	DTC114YUA
	Q	9607,9609,9611	DTC124EUA
	D	601	RB501VM-40

Mark	No.	Description	Part No.
	CN	9202 CONNECTOR	AKM1276
	CN	9203,9204 B TO B CONNECTOR	AKM7235
	CN	9501 CONNECTOR	B7B-EH
	CN	9502 CONNECTOR	AKM1274
	CN	9701,9702 SOCKET(30PL)	BKP1047
	JH	9501,9502 PCB BINDER	AEF7008

**MISCELLANEOUS**

**RESISTORS**

L	102,103,105,106	CHIP BEADS	VTL1129
L	321,341,361,603	CHIP BEADS	VTL1129
L	342,9007,9704	RESISTOR	RS1/16SS0R0J
L	454,455,457-459	CHIP BEADS	ATL7010
L	461	SMD SPL INDUCTOR	ATH7108

R	101-104,108-110		RAB4CQ101J
R	117-120,1735,9016		RAB4CQ220J
R	124,132-135,189		RAB4CQ223J
R	269,338,1115		RS1/10SR0R0J
R	335		RS1/10SR470J

L	462,9417	SMD SPL INDUCTOR	ATH7110
L	463,9520	SMD SPL INDUCTOR	ATH7109
L	475,476,918,1210	CHIP BEADS	ATL7010
L	604,609	RESISTOR	RS1/16SS100J
L	606,608,902,907	CHIP BEADS	VTL1129

R	400,9444		RS1/16SS6800F
R	401		RS1/16SS4701F
R	408		RS1/16SS2202F
R	453		RS1/16SS3002F
R	455,457,459		RS1/16SS4022F

L	917,919,1208,1209	CHIP BEADS	VTL1129
L	921	INDUCTOR	CTF1547
L	922-924	INDUCTOR	ATL7033
L	925-927	INDUCTOR	ATL7035
L	1151-1154,1609-1612	CHOKE COIL	ATH7099

R	456		RS1/16SS2702F
R	458		RS1/16SS1272F
R	460,9437,9573		RS1/16SS2401F
R	469,9406,9469		RS1/16SS8202F
R	470,9470		RS1/16SS7501F

L	1155,1618,1642	FERRITE BEAD	CTF1528
L	1211,1601,9002,9003	CHIP BEADS	ATL7010
L	1501-1503,1505-1508	CHIP BEADS	VTL1129
L	1510,9004,9703,9705	CHIP BEADS	VTL1128
L	1515,1521,1602,1604	CHIP BEADS	VTL1129

R	471		RS1/16SS3301F
R	477,478,789,1203		RS1/8SQ0R0J
R	480-483,9418,9447		RS1/8SQ105J
R	511,1159,1613,1661		RS1/16SS1003F
R	608,609,1725,1726		RAB4CQ100J

L	1617	CHIP BEADS	VTL1126
L	1619-1621,1801	CHIP BEADS	VTL1129
L	1638-1641,9215,9216	CHOKE COIL	ATH7099
L	1806-1808,1810,1815	CHIP BEADS	VTL1129
L	9005,9009,9101,9211	CHIP BEADS	VTL1129

R	611-614,913,914		RAB4CQ101J
R	902-904,921		RAB4CQ0R0J
R	907,909,1201,1202		RAB4CQ473J
R	910,911,1041,1049		RAB4CQ330J
R	1004,1100-1105		RS1/16SS4700F

L	9203-9206,9402,9406	CHIP BEADS	ATL7010
L	9217	FILTER	CTF1703
L	9219,9861	CHIP BEADS	VTL1129
L	9408,9411,9412,9502	CHIP BEADS	ATL7010
L	9505,9510-9513,9610	CHIP BEADS	ATL7010

R	1005		RS1/16SS5100F
R	1047,1048,1608,1611		RAB4CQ680J
R	1160,1614,1662,9572		RS1/16SS6201F
R	1205,1207,1215,1242		RAB4CQ330J
R	1208,1243,1244,1343		RAB4CQ473J

L	9612,9701,9702	CHIP BEADS	ATL7010
F	1603,1605-1608,1613	EMI FILTER	DTL1106
F	1614,1622-1625	EMI FILTER	DTL1106
JA	1601-1603,9601-9607	HDMI JACK	AKP7286
JA	9202	RJ45 CONNECTOR	AKN7115

R	1235		RAB4CQ472J
R	1245,1248,1249,1339		RAB4CQ330J
R	1277,1284,1288,1289		RAB4CQ151J
R	1291		RAB4CQ151J
R	1342,1365,9007-9010		RAB4CQ330J

JA	9620	HDMI JACK	AKP7286
KN	602,9402,9403	SCREW PLATE	VNE1948
KN	9201	EARTH TERMINAL/VRT	ANG7840
X	101	CRYSTAL TRANSDUCER	ASS7120
X	602	CRYSTAL RESONATOR	ASS7126

R	1345-1348,1464		RAB4CQ473J
R	1451-1453,1458-1460		RS1/10SR0R0J
R	1454-1457,1704,1705		RS1/8SQ0R0J
R	1615,1616,1622,1625		RAB4CQ680J
R	1677,1679,1680,1687		RAB4CQ470J

X	902	CRYSTAL	ASS7111
X	1201	CRYSTAL	ASS7114
X	1501	CRYSTAL OSCILLATOR	ASS7102
X	1502	CRYSTAL OSCILLATOR	ASS7101
X	1601,1602	CRYSTAL OSCILLATOR	ASS7123

R	1690		RAB4CQ470J
R	1710,9205-9207,9401		RS1/8SQ0R0J
R	1711,1712,9208,9209		RS1/10SR0R0J
R	1723,1724,1728,1729		RAB4CQ680J
R	1730,1731,9171,9804		RAB4CQ100J

X	9001	CRYSTAL(24MHZ)	DSS1203
CN	601	39P CONNECTOR	VKN2098
CN	602	B TO B CONNECTOR	AKN7155
CN	603	B TO B CONNECTOR	AKN7152
CN	901	B TO B 23PIN JACK	AKN7073

R	1733,9011,9012,9018		RAB4CQ680J
R	9017,9024,9031,9761		RAB4CQ220J
R	9019,9756,9757,9763		RAB4CQ680J
R	9043,9050,9149,9785		RAB4CQ101J
R	9265,9266,9752-9755		RAB4CQ330J

CN	1502	24P SOCKET	AKP7251
CN	1984	B TO B 17PIN JACK	AKN7070

R	9404		RS1/16SS1002F
R	9408		RS1/16SS8201F

5			6			7			8		
Mark	No.	Description	Part No.	Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
R	9431		ATL7010	C	487		CCSRCH102J50				
R	9443		RS1/16SS2200F	C	489-491,604,608		CCSSCH100D50				
R	9449,9805		RS1/10SR0R0J								
R	9466		RS1/16SS1201F	C	612,618,620,631		CKSSYB103K25				A
R	9485		RS1/8SQ225J	C	613,647,1461		CCSSCH151J50				
R	9513,9606,9609		RS1/8SQ0R0J	C	617,625,626,638		CKSSYB104K16				
R	9515		RS1/8SQ475J	C	621,679,904,1206		CCSSCH220J50				
R	9525		RS1/4SA105J	C	623,1379,1506		CCSSCH560J50				
R	9530,9567,9591,9641		RS1/8SQ105J	C	627,639,650,659		CCSSCH101J50				
R	9571		RS1/16SS1301F	C	633,636,644,653		CKSSYB103K25				
R	9596		RS1/16SS1802F	C	634,640,737,740		CCSSCH100D50				
R	9762,9766,9770		RAB4CQ220J	C	641,642,645,662		CKSSYB104K16				
R	9764,9781		RAB4CQ680J	C	656		CCSSCH680J50				
R	9806		RS1/4SA0R0J	C	660,671,682,690		CCSSCH101J50				B
Other Resistors			RS1/16SS###J	C	661,663,678,753		CCSSCH330J50				
				C	664,669,670,680		CKSSYB103K25				
				C	675,962,964,1032		CKSSYB104K16				
				C	685,903,909,1010		CKSSYB103K25				
<b>CAPACITORS</b>											
C	101,116,499,714		CEVW101M16								
C	104,107,453,456		ACH7399	C	697,705,708,735		CCSSCH101J50				
C	105,157,193,206		CCSSCH100D50	C	713,739,741,1479		CCSSCH8R0D50				
C	109,148,186,187		CCSSCH8R0D50	C	717,718,743,744		CCSSCH470J50				
C	117,119,126,162		CCSSCH101J50	C	742,745,746,755		CCSSCH100D50				
C	118,1229,1549,1721		DCH1246	C	748,750,1040,1244		CCSSCH221J50				
C	120,121,124,130		CKSSYB103K25	C	749,751,752,902		CCSSCH101J50				
C	122,136,137,150		CKSSYB104K16	C	756,1076,1511,1550		CCSSCH330J50				C
C	129,160,511,538		CCSSCH270J50	C	757,9007,9750		RS1/16SS105J				
C	132,196,1468,9726		CCSSCH120J50	C	908,1647,1651,1663		CCSSCH470J50				
C	133,138,144,146		CKSSYB103K25	C	910,1027,1033,1079		CCSSCH101J50				
C	151,1570,9061		CCSSCH390J50	C	1001,1089-1091,9694		DCH1201				
C	152,159,166,170		CKSSYB104K16	C	1024,1107-1109,1720		CCSSCH180J50				
C	153,155,158,161		CKSSYB103K25	C	1025,1042,1064,1075		CEVW101M16				
C	154,194,361,554		CCSSCH220J50	C	1028,1036,1274,1390		CCSSCH270J50				
C	156,961,1035,1069		CCSSCH471J50	C	1031,1358,9635		VCH1234				
C	163,178,205,213		CKSSYB103K25	C	1034,1038,1043,1045		CKSSYB103K25				
C	165,1313,1326,1395		CCSSCH150J50	C	1037,1046,1070,1251		CCSSCH331J50				
C	176,492,624,648		CCSSCH470J50	C	1044		CKSSYB823K10				D
C	180,665,666		CCSSCH7R0D50	C	1047,1054,1056,1224		CKSSYB103K25				
C	192,406,498,572		CCSSCH330J50	C	1048,1060,1063,1065		DCH1263				
C	201,649,699,734		CCSSCH221J50	C	1049,1252		CCSSCH102J50				
C	208,211,215,322		CKSSYB104K16	C	1050-1052,1055,1057		CKSSYB104K16				
C	212,219,363,619		CCSSCH101J50	C	1059,1061,1067,1068		CKSSYB104K16				
C	217,221,223,342		CKSSYB103K25	C	1062,1088,1246,1286		CCSSCH100D50				
C	222,321,341		CCSSCH100D50	C	1071,1072,1092-1094		CKSSYB104K16				
C	343,9101		CCSSCH820J50	C	1074		DCH1263				
C	344,435,446,614		CCH1814	C	1084,1215,1231,1256		CCSSCH101J50				
C	362,463,464,483		CKSSYB103K25	C	1101-1103,1333,1478		CCSSCH7R0D50				
C	405,407,9433,9435		CCG1222	C	1110-1112,1213,1240		CKSSYB104K16				E
C	412,9022,9115		CCSRCH100D50	C	1113,1357,1660,1763		CEVW101M16				
C	417,9488,9634		ACG7114	C	1155,1621,1693,9250		CKSRBYB103K50				
C	421,424,473,474		RS1/8SQ105J	C	1203,1228,1230,9403		ACG7113				
C	423,9425		CCSQCH330J50	C	1205,1352,1627,1666		ACG7115				
C	459,601,602,1207		ACH7399	C	1208,1355,1427,1601		ACH7399				
C	460-462		CKSRBYB473K50	C	1210		ACG7118				
C	465,1104-1106,1457		CCSSCH4R0C50	C	1220,1248,1278,1360		CCSSCH220J50				
C	467,1095-1100,1359		CCSSCH5R0C50	C	1236,1238,1267,1270		CKSSYB103K25				
C	476,1153,1704		ACE7100	C	1254,1289,1297,1343		CKSSYB104K16				
C	477,479,9441,9538		CCSRCH222J50	C	1268,1322,1339,1425		CCSSCH101J50				
C	481,9302,9504		CKSSYB223K16	C	1276,1285,1305,1319		CKSSYB103K25				F
C	482,9641		CKSSYB473K16	C	1299,1324,1388,1488		CCSSCH221J50				
C	484-486,506-508		CCG1236	C	1311,1323,1346,1381		CCSSCH331J50				

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
A	C	1325,1334,1380,1426	CKSSYB103K25	C	1777,1799,1983,1989		CCSSCH100D50
	C	1349,1695,1696,1769	CCG1325	C	1778,1789,1790,1793		CKSSYB103K25
	C	1353,9226,9228,9230	RS1/8SQ105J	C	1779,1788,1791,1797		CKSSYB104K16
				C	1794		CCSSCH9R0D50
	C	1361,1410,1411,1485	CCSSCH100D50	C	1795,9783		CCSSCH8R0D50
	C	1384,1409,1455,1466	CKSSYB104K16	C	1798,1801,1828,1845		CKSSYB103K25
	C	1393,1518,1586,1587	CCSSCH220J50	C	1834,1854,1932,9014		CKSSYB104K16
	C	1398,1451,1470,1569	CCSSCH331J50	C	1839		CKSRYP105K16
	C	1453,1454,1458,1459	CKSSYB103K25	C	1846,9019,9024,9026		CCSSCH101J50
				C	1934,9532		CFHXSQ103J16
B	C	1456,1460,1471,1474	CCSSCH101J50	C	9005,9312,9314,9450		ACH7399
	C	1462,1475,1477,1484	CKSSYB103K25	C	9009,9020,9034,9037		CCSSCH100D50
	C	1464,1513,1734,1748	CCSSCH471J50	C	9011,9013,9016,9021		CKSSYB103K25
	C	1467,1490,1568,1625	CKSSYB104K16	C	9023,9025,9031,9042		CKSSYB104K16
	C	1480,1548,1653,1708	CCSSCH101J50	C	9028,9035,9040,9043		CKSSYB103K25
	C	1482,1605,9121	CCH1814	C	9032,9039,9046,9053		CCSSCH101J50
	C	1486,1505,1522,1529	CKSSYB103K25	C	9041,9065,9074,9096		CCSSCH100D50
	C	1487,1592	CCSSCH271J50	C	9044,9054,9099,9485		CCSSCH330J50
	C	1489,1536,1560,1650	CCSSCH221J50	C	9048,9052,9062,9063		CKSSYB103K25
	C	1502,1537,1557,1565	CCSSCH100D50	C	9051,9058,9066,9088		CKSSYB104K16
C	C	1509,9546	CEAK102M16	C	9055,9301,9599,9616		CCSSCH220J50
	C	1535,1551,1556,1567	CKSSYB103K25	C	9057,9064,9083,9227		CCSSCH101J50
	C	1553,9027,9636,9770	CCSSCH270J50	C	9069,9084,9089,9093		CKSSYB103K25
	C	1555,1620,1664,1743	CCSSCH330J50	C	9075,9332,9529,9799		CKSRYP104K50
	C	1559,1561,1631,1694	CCSSCH150J50	C	9098,9102,9333,9409		CKSSYB103K25
	C	1562,1609,1716	CCSSCH4R0C50	C	9103,9126,9229,9313		CCSSCH100D50
	C	1566,1836	CEVW470M6R3	C	9233,9249,9315,9513		CCSSCH7R0D50
	C	1584,1585,1645,1677	CCSSCH100D50	C	9234,9418,9557		RS1/8SQ105J
	C	1593,1595,1602,1624	CKSSYB103K25	C	9235,9647,9758,9784		CCSSCH470J50
	C	1604,1816,9730	CCSSCH5R0C50	C	9246		CEVW471M10
D	C	1606,1611,1626,9465	VCG1072	C	9324,9325		CKSSYB222K50
	C	1610,1617,1618,1630	ACH7399	C	9337,9421,9632,9659		CKSSYB104K16
	C	1615,1781,1796,9002	CCSSCH7R0D50	C	9338,9434,9454,9461		CCSSCH101J50
	C	1623,1780,9606,9608	CCSSCH331J50	C	9402,9410,9432,9445		CCSSCH100D50
	C	1632,1654,9501	ACH7306	C	9404,9662,9767		CCSSCH221J50
	C	1633,1714	ACG7117	C	9405		ACG7113
	C	1638,1764,1784,9004	ACH7399	C	9416,9457,9460,9524		CCG1325
	C	1642,1649,1662,1667	CKSSYB104K16	C	9426-9428,9463,9502		CKSSYB103K25
	C	1646,1652,1665,1669	CKSSYB103K25	C	9429,9444,9514,9521		CCG1236
	C	1648,1671,1680,1692	CCSSCH220J50	C	9430		CCG1321
E	C	1655,9029,9232,9436	CEVW221M4	C	9431,9477,9494		CKSRYP103K50
	C	1656,1783,9455,9459	CKSQYB105K25	C	9442		CKSSYB153K16
	C	1670,1731,1835,1855	CCSSCH221J50	C	9462		CKSRYP223K50
	C	1673,1683,1710,1742	CKSSYB104K16	C	9473		CKSQYB104K50
	C	1679,1681,1684,1685	CKSSYB103K25	C	9479,9481,9496		CCG1222
	C	1688,1700,9030	ACG7115	C	9482,9484,9495,9503		CCSSCH100D50
	C	1689-1691,1699,1703	CKSSYB103K25	C	9489,9498,9507,9559		CEVW101M16
	C	1702,1739,1754,1771	CCSSCH100D50	C	9499,9527,9626,9772		CEVW221M4
	C	1705,9038,9118,9213	ACE7113	C	9505,9506,9509,9522		CCSSCH100D50
	C	1706,1713,1718	CKSSYB103K25	C	9512,9534		CKSSYB472K50
F	C	1711,1768,9003,9049	CCSSCH220J50	C	9516,9581,9597,9602		CCSSCH101J50
	C	1717,1741,1749,1803	CCSSCH101J50	C	9517,9519,9526		CKSQYB105K25
	C	1725,1727,1728,1744	DCH1246	C	9525,9777,9782		CCSSCH330J50
	C	1735-1737,1751,1755	CKSSYB103K25	C	9528,9627,9661,9663		CKSSYB103K25
	C	1738,9015,9056,9085	CCSSCH470J50	C	9530,9583,9747,9748		ACH7399
	C	1750,1753,1756,1770	CKSSYB104K16	C	9537		CCG1236
	C	1752,9231,9629	CCSSCH180J50	C	9545		ACH7390
	C	1757,1772,1774,1776	CKSSYB103K25	C	9558		CCSRCH330J50
	C	1765,1935,9458,9466	CEVW101M16	C	9582,9590		CCG1325
	C	1766,1775,1822,9218	CCSSCH150J50				
	C	1773	ACG7122				

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
	C	9600,9642	CEVW101M16		IC	1511	IC5511MLF
	C	9610,9697,9700,9773	DCH1246		IC	1602	MN864787
	C	9615,9672,9674,9680	CCSSCH331J50		IC	1605,1610,1615	BD2242G-G
	C	9617,9702,9703,9705	CCSSCH100D50	⚠	IC	1606-1608	TC74VXC541FK
	C	9621,9660,9666,9670	CCSSCH101J50		IC	1609	MN864788
	C	9630,9744,9798,9861	CCSSCH220J50		IC	1804	TC74LCX08FK
	C	9665,9709,9712,9714	CKSSYB103K25		IC	9002	CS49844A
	C	9669,9673,9679,9692	CKSSYB104K16		IC	9005	74VHC4040FT
	C	9678,9691,9769,9775	CCSSCH101J50		IC	9006,9101	TC74VHC157FK
	C	9688	CCSSCH331J50		IC	9202	AYW7424
	C	9696,9721,9725,9727	CKSSYB104K16		IC	9206	H337S3959
	C	9701,9731,9732	CCSSCH150J50		IC	9402,9518	S-1172B10-U5
	C	9706,9724,9734,9735	CCSSCH100D50	⚠	IC	9403	MM3543BH
	C	9716,9719,9728,9736	CKSSYB103K25	⚠	IC	9404,9505	MM3529A18P
	C	9737,9742,9752,9765	CCSSCH100D50	⚠	IC	9406	MM3411A50N
	C	9738-9740	CCSSCH150J50	⚠	IC	9407,9508	MM3529A25P
	C	9745,9757,9762,9766	CKSSYB104K16		IC	9408	MM3542BF
	C	9754,9756,9759,9771	CKSSYB103K25	⚠	IC	9502	S-13A1A00-E6
	C	9761	CFHXSR222J16	⚠	IC	9504,9511	MM3529A50P
	C	9768,9779,9785,9788	CKSSYB104K16	⚠	IC	9512	NJM2872BF33
	C	9774,9776,9778,9780	CKSSYB103K25	⚠	IC	9513	NJM2846DL3-33
	C	9781,9787,9795,9810	CCSSCH101J50		IC	9514,9515,9523	MIC94325YMT
	C	9789,9793,9796,9797	CKSSYB103K25	⚠	IC	9602	SI9589CTUC-3
	C	9790,9794,9805,9812	CKSSYB104K16	⚠	IC	9603	BD82065FVJ
	C	9791,9814,9816,9820	CCSSCH100D50	⚠	IC	9703	D808K013DPTP456
	C	9804,9811,9815,9818	CKSSYB103K25		Q	601,701,1501,9603	DTC124EUA
	C	9813	CFHXSR182J16		Q	906-908,1001,1506	2SA1576A
	C	9819,9863	CCSSCH101J50		Q	909-911	2SC4081
	C	9821,9862	CKSSYB104K16		Q	912	HN1K02FU
	C	9822	CCSSCH470J50		Q	1502-1505,1508,1509	DTA124EUA
	C	9908	CKSSYB103K25		Q	9001,9606,9608,9610	DTC114YUA
	C	9910,9912	DCH1246		Q	9607,9609,9611	DTC124EUA
					D	601	RB501VM-40



## DIGITAL MAIN ASSY (SC-LX89)

### SEMICONDUCTORS

	IC	101	R5S726B0D216FP
	IC	102,9001,9702	M12L64164A-5TG2Y
	IC	102,9001,9702	A3V64S40GTP-60
	IC	103	AYW7422
	IC	105,1521,9208	TC7SH08FUS1
⚠	IC	107,608,609,612	TC74VHCT08AFKS1
	IC	451	TPS65251RHA
	IC	603	PE7008A
	IC	604,1808	TC7WHU04FK
	IC	610,1509,1806	74VHC126FT
	IC	611	74VHCT126AFT
	IC	613,1601,1603,1616	TC74VHC08FK
	IC	614,1502	TC74VHCT08AFKS1
	IC	615,1512	TC7SZ126FUS1
	IC	901,903	74LCX541FT
	IC	909	ADV7181CBSTZ
	IC	1204	88DE2750
	IC	1212	K4T511630Q-BCE7
	IC	1212	M14D51216322R5BG2K
⚠	IC	1216	BD3539NXX
	IC	1501,1516,1815,1817	TC74VHC157FK
	IC	1503,1515,1814,1818	TC74LCX157FK
	IC	1507	TC7WH157FU
	IC	1508	TC7SET08FUS3

### MISCELLANEOUS

L	102,103,105,106 CHIP BEADS	VTL1129
L	321,341,361,603 CHIP BEADS	VTL1129
L	342,9007,9704 RESISTOR	RS1/16SS0R0J
L	454,455,457-459 CHIP BEADS	ATL7010
L	461 SMD SPL INDUCTOR	ATH7108
L	462,9417 SMD SPL INDUCTOR	ATH7110
L	463,9520 SMD SPL INDUCTOR	ATH7109
L	475,476,918,1210 CHIP BEADS	ATL7010
L	604,609 RESISTOR	RS1/16SS100J
L	606,608,902,907 CHIP BEADS	VTL1129
L	917,919,1208,1209 CHIP BEADS	VTL1129
L	921 INDUCTOR	CTF1547
L	922-924 INDUCTOR	ATL7033
L	925-927 INDUCTOR	ATL7035
L	1151-1154,1609-1612 CHOKE COIL	ATH7099
L	1155,1618,1642 FERRITE BEAD	CTF1528
L	1211,1601,9002,9003 CHIP BEADS	ATL7010
L	1501-1503,1505-1508 CHIP BEADS	VTL1129
L	1510,9004,9703,9705 CHIP BEADS	VTL1128
L	1515,1521,1602,1604 CHIP BEADS	VTL1129
L	1617 CHIP BEADS	VTL1126
L	1619-1621,1801 CHIP BEADS	VTL1129
L	1638-1641,9215,9216 CHOKE COIL	ATH7099
L	1806-1808,1810,1815 CHIP BEADS	VTL1129
L	9005,9009,9101,9211 CHIP BEADS	VTL1129

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
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A	L	9203-9206,9402,9406 CHIP BEADS	ATL7010	R	1005		RS1/16SS5100F
	L	9217 FILTER	CTF1703	R	1047,1048,1608,1611		RAB4CQ680J
	L	9219,9861 CHIP BEADS	VTL1129	R	1160,1614,1662,9572		RS1/16SS6201F
	L	9408,9411,9412,9502 CHIP BEADS	ATL7010	R	1205,1207,1215,1242		RAB4CQ330J
	L	9505,9510-9513,9610 CHIP BEADS	ATL7010	R	1208,1243,1244,1343		RAB4CQ473J

■	L	9612,9701,9702 CHIP BEADS	ATL7010	R	1235		RAB4CQ472J
	F	1603,1605-1608,1613 EMI FILTER	DTL1106	R	1245,1248,1249,1339		RAB4CQ330J
	F	1614,1622-1625 EMI FILTER	DTL1106	R	1277,1284,1288,1289		RAB4CQ151J
	JA	1601-1603,9601-9607 HDMI JACK	AKP7286	R	1291		RAB4CQ151J
	JA	9202 RJ45 CONNECTOR	AKN7115	R	1342,1365,9007-9010		RAB4CQ330J

B	JA	9620 HDMI JACK	AKP7286	R	1345-1348,1464		RAB4CQ473J
	KN	602,9402,9403 SCREW PLATE	VNE1948	R	1451-1453,1458-1460		RS1/10SR0R0J
	KN	9201 EARTH TERMINAL/VRT	ANG7840	R	1454-1457,1704,1705		RS1/8SQ0R0J
	X	101 CRYSTAL TRANSDUCER	ASS7120	R	1615,1616,1622,1625		RAB4CQ680J
	X	602 CRYSTAL RESONATOR	ASS7126	R	1677,1679,1680,1687		RAB4CQ470J

■	X	902 CRYSTAL	ASS7111	R	1690		RAB4CQ470J
	X	1201 CRYSTAL	ASS7114	R	1710,9205-9207,9401		RS1/8SQ0R0J
	X	1501 CRYSTAL OSCILLATOR	ASS7102	R	1711,1712,9208,9209		RS1/10SR0R0J
	X	1502 CRYSTAL OSCILLATOR	ASS7101	R	1723,1724,1728,1729		RAB4CQ680J
	X	1601,1602 CRYSTAL OSCILLATOR	ASS7123	R	1730,1731,9171,9804		RAB4CQ100J

C	X	9001 CRYSTAL(24MHZ)	DSS1203	R	1733,9011,9012,9018		RAB4CQ680J
	CN	601 39P CONNECTOR	VKN2098	R	9017,9024,9031,9761		RAB4CQ220J
	CN	602 B TO B CONNECTOR	AKN7155	R	9019,9756,9757,9763		RAB4CQ680J
	CN	603 B TO B CONNECTOR	AKN7152	R	9043,9050,9149,9785		RAB4CQ101J
	CN	901 B TO B 23PIN JACK	AKN7073	R	9265,9266,9752-9755		RAB4CQ330J

■	CN	1502 24P SOCKET	AKP7251	R	9404		RS1/16SS1002F
	CN	1984 B TO B 17PIN JACK	AKN7070	R	9408		RS1/16SS8201F
	CN	9202 CONNECTOR	AKM1276	R	9431		ATL7010
	CN	9203,9204 B TO B CONNECTOR	AKM7235	R	9443		RS1/16SS2200F
	CN	9501 CONNECTOR	B7B-EH	R	9449,9805		RS1/10SR0R0J

■	CN	9502 CONNECTOR	AKM1274	R	9466		RS1/16SS1201F
	CN	9701,9702 SOCKET(30PL)	BKP1047	R	9485		RS1/8SQ225J
	JH	9501,9502 PCB BINDER	AEF7008	R	9513,9606,9609		RS1/8SQ0R0J

D	<b>RESISTORS</b>						
	R	101-104,108-110	RAB4CQ101J				
	R	117-120,1735,9016	RAB4CQ220J	R	9530,9567,9591,9641		RS1/8SQ105J
	R	124,132-135,189	RAB4CQ223J	R	9571		RS1/16SS1301F
	R	269,338,1115	RS1/10SR0R0J	R	9596		RS1/16SS1802F
	R	335	RS1/10SR470J	R	9762,9766,9770		RAB4CQ220J

■	R	400,9444	RS1/16SS6800F				
	R	401	RS1/16SS4701F	R	9806		RS1/4SA0R0J
	R	408	RS1/16SS2202F	Other Resistors			RS1/16SS###J
	R	453	RS1/16SS3002F				
	R	455,457,459	RS1/16SS4022F				

**CAPACITORS**

E	R	456	RS1/16SS2702F	C	101,116,499,714		CEVW101M16
	R	458	RS1/16SS1272F	C	104,107,453,456		ACH7399
	R	460,9437,9573	RS1/16SS2401F	C	105,157,193,206		CGSSCH100D50
	R	469,9406,9469	RS1/16SS8202F	C	109,148,186,187		CCSSCH8R0D50
	R	470,9470	RS1/16SS7501F	C	117,119,126,162		CGSSCH101J50

■	R	471	RS1/16SS3301F	C	118,1229,1549,1721		DCH1246
	R	477,478,789,1203	RS1/8SQ0R0J	C	120,121,124,130		CKSSYB103K25
	R	480-483,9418,9447	RS1/8SQ105J	C	122,136,137,150		CKSSYB104K16
	R	511,1159,1613,1661	RS1/16SS1003F	C	129,160,511,538		CCSSCH270J50
	R	608,609,1725,1726	RAB4CQ100J	C	132,196,1468,9726		CGSSCH120J50

F	R	611-614,913,914	RAB4CQ101J	C	133,138,144,146		CKSSYB103K25
	R	902-904,921	RAB4CQ0R0J	C	151,1570,9061		CGSSCH390J50
	R	907,909,1201,1202	RAB4CQ473J	C	152,159,166,170		CKSSYB104K16
	R	910,911,1041,1049	RAB4CQ330J	C	153,155,158,161		CKSSYB103K25
	R	1004,1100-1105	RS1/16SS4700F	C	154,194,361,554		CGSSCH220J50

5		6		7		8	
Mark	No. Description	Part No.	Mark	No. Description	Part No.		
C	156,961,1035,1069	CCSSCH471J50					
C	163,178,205,213	CKSSYB103K25	C	1034,1038,1043,1045	CKSSYB103K25		
C	165,1313,1326,1395	CCSSCH150J50	C	1037,1046,1070,1251	CCSSCH331J50		A
C	176,492,624,648	CCSSCH470J50	C	1044	CKSSYB823K10		
C	180,665,666	CCSSCH7R0D50	C	1047,1054,1056,1224	CKSSYB103K25		
			C	1048,1060,1063,1065	DCH1263		
C	192,406,498,572	CCSSCH330J50					
C	201,649,699,734	CCSSCH221J50	C	1049,1252	CCSSCH102J50		
C	208,211,215,322	CKSSYB104K16	C	1050-1052,1055,1057	CKSSYB104K16		
C	212,219,363,619	CCSSCH101J50	C	1059,1061,1067,1068	CKSSYB104K16		
C	217,221,223,342	CKSSYB103K25	C	1062,1088,1246,1286	CCSSCH100D50		
			C	1071,1072,1092-1094	CKSSYB104K16		
C	222,321,341	CCSSCH100D50					
C	343,9101	CCSSCH820J50	C	1074	DCH1263		
C	344,435,446,614	CCH1814	C	1084,1215,1231,1256	CCSSCH101J50		
C	362,463,464,483	CKSSYB103K25	C	1101-1103,1333,1478	CCSSCH7R0D50		B
C	405,407,9433,9435	CCG1222	C	1110-1112,1213,1240	CKSSYB104K16		
			C	1113,1357,1660,1763	CEVW101M16		
C	412,9022,9115	CCSRCH100D50					
C	417,9488,9634	ACG7114	C	1155,1621,1693,9250	CKSRBY103K50		
C	421,424,473,474	RS1/8SQ105J	C	1203,1228,1230,9403	ACG7113		
C	423,9425	CCSQCH330J50	C	1205,1352,1627,1666	ACG7115		
C	459,601,602,1207	ACH7399	C	1208,1355,1427,1601	ACH7399		
			C	1210	ACG7118		
C	460-462	CKSRBY473K50					
C	465,1104-1106,1457	CCSSCH4R0C50	C	1220,1248,1278,1360	CCSSCH220J50		
C	467,1095-1100,1359	CCSSCH5R0C50	C	1236,1238,1267,1270	CKSSYB103K25		
C	476,1153,1704	ACE7100	C	1254,1289,1297,1343	CKSSYB104K16		
C	477,479,9441,9538	CCSRCH222J50	C	1268,1322,1339,1425	CCSSCH101J50		C
			C	1276,1285,1305,1319	CKSSYB103K25		
C	481,9302,9504	CKSSYB223K16					
C	482,9641	CKSSYB473K16	C	1299,1324,1388,1488	CCSSCH221J50		
C	484-486,506-508	CCG1236	C	1311,1323,1346,1381	CCSSCH331J50		
C	487	CCSRCH102J50	C	1325,1334,1380,1426	CKSSYB103K25		
C	489-491,604,608	CCSSCH100D50	C	1349,1695,1696,1769	CCG1325		
			C	1353,9226,9228,9230	RS1/8SQ105J		
C	612,618,620,631	CKSSYB103K25					
C	613,647,1461	CCSSCH151J50	C	1361,1410,1411,1485	CCSSCH100D50		
C	617,625,626,638	CKSSYB104K16	C	1384,1409,1455,1466	CKSSYB104K16		
C	621,679,904,1206	CCSSCH220J50	C	1393,1518,1586,1587	CCSSCH220J50		
C	623,1379,1506	CCSSCH560J50	C	1398,1451,1470,1569	CCSSCH331J50		
			C	1453,1454,1458,1459	CKSSYB103K25		D
C	627,639,650,659	CCSSCH101J50					
C	633,636,644,653	CKSSYB103K25	C	1456,1460,1471,1474	CCSSCH101J50		
C	634,640,737,740	CCSSCH100D50	C	1462,1475,1477,1484	CKSSYB103K25		
C	641,642,645,662	CKSSYB104K16	C	1464,1513,1734,1748	CCSSCH471J50		
C	656	CCSSCH680J50	C	1467,1490,1568,1625	CKSSYB104K16		
			C	1480,1548,1653,1708	CCSSCH101J50		
C	660,671,682,690	CCSSCH101J50					
C	661,663,678,753	CCSSCH330J50	C	1482,1605,9121	CCH1814		
C	664,669,670,680	CKSSYB103K25	C	1486,1505,1522,1529	CKSSYB103K25		
C	675,962,964,1032	CKSSYB104K16	C	1487,1592	CCSSCH271J50		
C	685,903,909,1010	CKSSYB103K25	C	1489,1536,1560,1650	CCSSCH221J50		
			C	1502,1537,1557,1565	CCSSCH100D50		
C	697,705,708,735	CCSSCH101J50					
C	713,739,741,1479	CCSSCH8R0D50	C	1509,9546	CEAK102M16		E
C	717,718,743,744	CCSSCH470J50	C	1535,1551,1556,1567	CKSSYB103K25		
C	742,745,746,755	CCSSCH100D50	C	1553,9027,9636,9770	CCSSCH270J50		
C	748,750,1040,1244	CCSSCH221J50	C	1555,1620,1664,1743	CCSSCH330J50		
			C	1559,1561,1631,1694	CCSSCH150J50		
C	749,751,752,902	CCSSCH101J50					
C	756,1076,1511,1550	CCSSCH330J50	C	1562,1609,1716	CCSSCH4R0C50		
C	757,9007,9750	RS1/16SS105J	C	1566,1836	CEVW470M6R3		
C	908,1647,1651,1663	CCSSCH470J50	C	1584,1585,1645,1677	CCSSCH100D50		
C	910,1027,1033,1079	CCSSCH101J50	C	1593,1595,1602,1624	CKSSYB103K25		
			C	1604,1816,9730	CCSSCH5R0C50		
C	1001,1089-1091,9694	DCH1201					
C	1024,1107-1109,1720	CCSSCH180J50	C	1606,1611,1626,9465	VCG1072		F
C	1025,1042,1064,1075	CEVW101M16	C	1610,1617,1618,1630	ACH7399		
C	1028,1036,1274,1390	CCSSCH270J50	C	1615,1781,1796,9002	CCSSCH7R0D50		
C	1031,1358,9635	VCH1234	C	1623,1780,9606,9608	CCSSCH331J50		

**Mark No. Description**

**Part No.**

**Mark No. Description**

**Part No.**

A

C 1632,1654,9501 ACH7306

C 1633,1714 ACG7117

C 1638,1764,1784,9004 ACH7399

C 1642,1649,1662,1667 CKSSYB104K16

C 1646,1652,1665,1669 CKSSYB103K25

C 1648,1671,1680,1692 CCSSCH220J50

C 9338,9434,9454,9461 CCSSCH101J50

C 9402,9410,9432,9445 CCSSCH100D50

C 9404,9662,9767 CCSSCH221J50

C 9405 ACG7113

C 9416,9457,9460,9524 CCG1325

C 9426-9428,9463,9502 CKSSYB103K25

C 9429,9444,9514,9521 CCG1236

B

C 1655,9029,9232,9436 CEVW221M4

C 1656,1783,9455,9459 CKSQYB105K25

C 1670,1731,1835,1855 CCSSCH221J50

C 1673,1683,1710,1742 CKSSYB104K16

C 1679,1681,1684,1685 CKSSYB103K25

C 9430 CCG1321

C 9431,9477,9494 CKSRYB103K50

C 9442 CKSSYB153K16

C 9462 CKSRYB223K50

C 9473 CKSQYB104K50

C

C 1688,1700,9030 ACG7115

C 1689-1691,1699,1703 CKSSYB103K25

C 1702,1739,1754,1771 CCSSCH100D50

C 1705,9038,9118,9213 ACE7113

C 1706,1713,1718 CKSSYB103K25

C 9479,9481,9496 CCG1222

C 9482,9484,9495,9503 CCSSCH100D50

C 9489,9498,9507,9559 CEVW101M16

C 9499,9527,9626,9772 CEVW221M4

C 9505,9506,9509,9522 CCSSCH100D50

D

C 1711,1768,9003,9049 CCSSCH220J50

C 1717,1741,1749,1803 CCSSCH101J50

C 1725,1727,1728,1744 DCH1246

C 1735-1737,1751,1755 CKSSYB103K25

C 1738,9015,9056,9085 CCSSCH470J50

C 9512,9534 CKSSYB472K50

C 9516,9581,9597,9602 CCSSCH101J50

C 9517,9519,9526 CKSQYB105K25

C 9525,9777,9782 CCSSCH330J50

C 9528,9627,9661,9663 CKSSYB103K25

E

C 1750,1753,1756,1770 CKSSYB104K16

C 1752,9231,9629 CCSSCH180J50

C 1757,1772,1774,1776 CKSSYB103K25

C 1765,1935,9458,9466 CEVW101M16

C 1766,1775,1822,9218 CCSSCH150J50

C 9530,9583,9747,9748 ACH7399

C 9537 CCG1236

C 9545 ACH7390

C 9558 CCSRCH330J50

C 9582,9590 CCG1325

F

C 1773 ACG7122

C 1777,1799,1983,1989 CCSSCH100D50

C 1778,1789,1790,1793 CKSSYB103K25

C 1779,1788,1791,1797 CKSSYB104K16

C 1794 CCSSCH9R0D50

C 9600,9642 CEVW101M16

C 9610,9697,9700,9773 DCH1246

C 9615,9672,9674,9680 CCSSCH331J50

C 9617,9702,9703,9705 CCSSCH100D50

C 9621,9660,9666,9670 CCSSCH101J50

G

C 1795,9783 CCSSCH8R0D50

C 1798,1801,1828,1845 CKSSYB103K25

C 1834,1854,1932,9014 CKSSYB104K16

C 1839 CKSRYB105K16

C 1846,9019,9024,9026 CCSSCH101J50

C 9630,9744,9798,9861 CCSSCH220J50

C 9665,9709,9712,9714 CKSSYB103K25

C 9669,9673,9679,9692 CKSSYB104K16

C 9678,9691,9769,9775 CCSSCH101J50

C 9688 CCSSCH331J50

H

C 1934,9532 CFHXSQ103J16

C 9005,9312,9314,9450 ACH7399

C 9009,9020,9034,9037 CCSSCH100D50

C 9011,9013,9016,9021 CKSSYB103K25

C 9023,9025,9031,9042 CKSSYB104K16

C 9696,9721,9725,9727 CKSSYB104K16

C 9701,9731,9732 CCSSCH150J50

C 9706,9724,9734,9735 CCSSCH100D50

C 9716,9719,9728,9736 CKSSYB104K25

C 9737,9742,9752,9765 CCSSCH100D50

I

C 9028,9035,9040,9043 CKSSYB103K25

C 9032,9039,9046,9053 CCSSCH101J50

C 9041,9065,9074,9096 CCSSCH100D50

C 9044,9054,9099,9485 CCSSCH330J50

C 9048,9052,9062,9063 CKSSYB103K25

C 9738-9740 CCSSCH150J50

C 9745,9757,9762,9766 CKSSYB104K16

C 9754,9756,9759,9771 CKSSYB103K25

C 9761 CFHXSQR222J16

C 9768,9779,9785,9788 CKSSYB104K16

J

C 9051,9058,9066,9088 CKSSYB104K16

C 9055,9301,9599,9616 CCSSCH220J50

C 9057,9064,9083,9227 CCSSCH101J50

C 9069,9084,9089,9093 CKSSYB103K25

C 9075,9332,9529,9799 CKSRYB104K50

C 9774,9776,9778,9780 CKSSYB103K25

C 9781,9787,9795,9810 CCSSCH101J50

C 9789,9793,9796,9797 CKSSYB103K25

C 9790,9794,9805,9812 CKSSYB104K16

C 9791,9814,9816,9820 CCSSCH100D50

K

C 9098,9102,9333,9409 CKSSYB103K25

C 9103,9126,9229,9313 CCSSCH100D50

C 9233,9249,9315,9513 CCSSCH7R0D50

C 9234,9418,9557 RS1/8SQ105J

C 9235,9647,9758,9784 CCSSCH470J50

C 9804,9811,9815,9818 CKSSYB103K25

C 9813 CFHXSQR182J16

C 9819,9863 CCSSCH101J50

C 9821,9862 CKSSYB104K16

C 9822 CCSSCH470J50

L

C 9246 CEVW471M10

C 9324,9325 CKSSYB222K50

C 9337,9421,9632,9659 CKSSYB104K16

C 9908 CKSSYB103K25

C 9910,9912 DCH1246



**Mark No. Description Part No.**



## DIGITAL MAIN ASSY (SC-LX79)

### SEMICONDUCTORS

IC 101	R5S726B0D216FP
IC 102,9001,9702	M12L64164A-5TG2Y
IC 102,9001,9702	A3V64S40GTP-60
IC 103	AYW7422
IC 105,1521,9208	TC7SH08FUS1
IC 107,608,609,612	TC74VHCT08AFKS1
△ IC 451	TPS65251RHA
IC 603	PE7008A
IC 604,1808	TC7WHU04FK
IC 610,1509,1806	74VHC126FT
IC 611	74VHCT126AFT
IC 613,1601,1603,1616	TC74VHC08FK
IC 614,1502	TC74VHCT08AFKS1
IC 615	TC7SZ126FUS1
IC 901,903	74LCX541FT
IC 909	ADV7181CBSTZ
IC 1204	88DE2750
IC 1212	K4T51163QQ-BCE7
IC 1212	M14D51216322R5BG2K
△ IC 1216	BD3539NUX
IC 1501,1516,1815,1817	TC74VHC157FK
IC 1503,1515,1814,1818	TC74LCX157FK
IC 1507	TC7WH157FU
IC 1508	TC7SET08FUS3
IC 1511	ICS511MLF
IC 1602	MN864787
△ IC 1605,1610,1615	BD2242G-G
IC 1606-1608	TC74VCX541FK
IC 1609	MN864788
IC 1804	TC74LCX08FK
IC 9002	CS49844A
IC 9005	74VHC4040FT
IC 9006,9101	TC74VHC157FK
IC 9202	AYW7424
IC 9206	H337S3959
△ IC 9402,9518	S-1172B10-U5
△ IC 9403	MM3543BH
△ IC 9404,9505	MM3529A18P
△ IC 9406	MM3411A50N
△ IC 9407,9508	MM3529A25P
△ IC 9408	MM3542BF
△ IC 9502	S-13A1A00-E6
△ IC 9504,9511	MM3529A50P
△ IC 9512	NJM2872BF33
△ IC 9513	NJM2846DL3-33
△ IC 9514,9515,9523	MIC94325YMT
IC 9602	SII9589CTUC-3
△ IC 9603	BD82065FVJ
IC 9703	D808K013DPTP456
Q 601,701,1501,9603	DTC124EUA
Q 906-908,1001,1506	2SA1576A
Q 909-911	2SC4081
Q 912	HN1K02FU
Q 1502-1505,1508,1509	DTA124EUA
Q 9001,9606,9608,9610	DTC114YUA

**Mark No. Description Part No.**

Q 9607,9609,9611 DTC124EUA  
D 601 RB501VM-40

### MISCELLANEOUS

L 102,103,105,106 CHIP BEADS	VTL1129
L 321,341,361,603 CHIP BEADS	VTL1129
L 342,9007,9704 RESISTOR	RS1/16SS0R0J
L 453,9410 INDUCTOR	ATH7107
L 454,455,457-459 CHIP BEADS	ATL7010
L 475,476,918,1210 CHIP BEADS	ATL7010
L 604,609 RESISTOR	RS1/16SS100J
L 606,608,902,907 CHIP BEADS	VTL1129
L 917,919,1208,1209 CHIP BEADS	VTL1129
L 921 INDUCTOR	CTF1547
L 922-924 INDUCTOR	ATL7033
L 925-927 INDUCTOR	ATL7035
L 1151-1154,1609-1612 CHOKE COIL	ATH7099
L 1155,1618,1642 FERRITE BEAD	CTF1528
L 1211,1601,9002,9003 CHIP BEADS	ATL7010
L 1501-1503,1505-1507 CHIP BEADS	VTL1129
L 1510,9004,9703,9705 CHIP BEADS	VTL1128
L 1515,1521,1602,1604 CHIP BEADS	VTL1129
L 1617 CHIP BEADS	VTL1126
L 1619-1621,1801 CHIP BEADS	VTL1129
L 1638-1641,9215,9216 CHOKE COIL	ATH7099
L 1806-1808,1810,1815 CHIP BEADS	VTL1129
L 9005,9009,9101,9211 CHIP BEADS	VTL1129
L 9203-9206,9402,9406 CHIP BEADS	ATL7010
L 9217 FILTER	CTF1703
L 9219,9861 CHIP BEADS	VTL1129
L 9408,9411,9412,9502 CHIP BEADS	ATL7010
L 9505,9510-9513,9610 CHIP BEADS	ATL7010
L 9612,9701,9702 CHIP BEADS	ATL7010
F 1603,1605-1608,1613 EMI FILTER	DTL1106
F 1614,1622-1625 EMI FILTER	DTL1106
JA 1601-1603,9601-9607 HDMI JACK	AKP7286
JA 9202 RJ45 CONNECTOR	AKN7115
JA 9620 HDMI JACK	AKP7286
KN 602,9402,9403 SCREW PLATE	VNE1948
KN 9201 EARTH TERMINAL/VRT	ANG7840
X 101 CRYSTAL TRANSDUCER	ASS7120
X 602 CRYSTAL RESONATOR	ASS7126
X 902 CRYSTAL	ASS7111
X 1201 CRYSTAL	ASS7114
X 1501 CRYSTAL OSCILLATOR	ASS7102
X 1502 CRYSTAL OSCILLATOR	ASS7101
X 1601,1602 CRYSTAL OSCILLATOR	ASS7123
X 9001 CRYSTAL(24MHZ)	DSS1203
CN 601 39P CONNECTOR	VKN2098
CN 602 B TO B CONNECTOR	AKN7155
CN 603 B TO B CONNECTOR	AKN7152
CN 901 B TO B 23PIN JACK	AKN7073
CN 1502 24P SOCKET	AKP7251
CN 9202 CONNECTOR	AKM1276
CN 9203,9204 B TO B CONNECTOR	AKM7235
CN 9501 CONNECTOR	B7B-EH
CN 9502 CONNECTOR	AKM1274
CN 9701,9702 SOCKET(30PL)	BKP1047
JH 9501,9502 PCB BINDER	AEF7008

### RESISTORS

Mark	No.	Description	Part No.
	R	101-104,108-110	RAB4CQ101J
	R	117-120,1735,9016	RAB4CQ220J
A	R	124,132-135,189	RAB4CQ223J
	R	269,338,1115	RS1/10SR0R0J
	R	335	RS1/10SR470J
	R	400,9444	RS1/16SS6800F
	R	401	RS1/16SS4701F
	R	408	RS1/16SS2202F
	R	453	RS1/16SS3002F
	R	455,457,459	RS1/16SS4022F
	R	456	RS1/16SS2702F
	R	458	RS1/16SS1272F
	R	460,9437,9573	RS1/16SS2401F
B	R	469,9406,9469	RS1/16SS8202F
	R	470,9470	RS1/16SS7501F
	R	471	RS1/16SS3301F
	R	477,478,789,1203	RS1/8SQ0R0J
	R	480-483,9418,9447	RS1/8SQ105J
	R	511,1159,1613,1661	RS1/16SS1003F
	R	608,609,1725,1726	RAB4CQ100J
	R	611-614,913,914	RAB4CQ101J
	R	902-904,921	RAB4CQ0R0J
	R	907,909,1201,1202	RAB4CQ473J
	R	910,911,1041,1049	RAB4CQ330J
C	R	1004,1100-1105	RS1/16SS4700F
	R	1005	RS1/16SS5100F
	R	1047,1048,1608,1611	RAB4CQ680J
	R	1160,1614,1662,9572	RS1/16SS6201F
	R	1205,1207,1215,1242	RAB4CQ330J
	R	1208,1243,1244,1343	RAB4CQ473J
	R	1235	RAB4CQ472J
	R	1245,1248,1249,1339	RAB4CQ330J
	R	1277,1284,1288,1289	RAB4CQ151J
	R	1291	RAB4CQ151J
	R	1342,1365,9007-9010	RAB4CQ330J
D	R	1345-1348,1464	RAB4CQ473J
	R	1451-1453,1458-1460	RS1/10SR0R0J
	R	1454-1457,1704,1705	RS1/8SQ0R0J
	R	1615,1616,1622,1625	RAB4CQ680J
	R	1677,1679,1680,1687	RAB4CQ470J
	R	1690	RAB4CQ470J
	R	1710,9205-9207,9401	RS1/8SQ0R0J
	R	1711,1712,9208,9209	RS1/10SR0R0J
	R	1723,1724,1728,1729	RAB4CQ680J
	R	1730,1731,9171,9804	RAB4CQ100J
E	R	1733,9011,9012,9018	RAB4CQ680J
	R	9017,9024,9031,9761	RAB4CQ220J
	R	9019,9756,9757,9763	RAB4CQ680J
	R	9043,9050,9149,9785	RAB4CQ101J
	R	9265,9266,9752-9755	RAB4CQ330J
	R	9404	RS1/16SS1002F
	R	9408	RS1/16SS8201F
	R	9431	ATL7010
	R	9443	RS1/16SS2200F
	R	9449,9805	RS1/10SR0R0J
	R	9466	RS1/16SS1201F
F	R	9485	RS1/8SQ225J
	R	9513,9606,9609	RS1/8SQ0R0J
	R	9515	RS1/8SQ475J
	R	9525	RS1/4SA105J

Mark	No.	Description	Part No.
R	9530,9567,9591,9641		RS1/8SQ105J
R	9571		RS1/16SS1301F
R	9596		RS1/16SS1802F
R	9762,9766,9770		RAB4CQ220J
R	9764,9781		RAB4CQ680J
R	9806		RS1/4SA0R0J
	Other Resistors		RS1/16SS###J

**CAPACITORS**

C	101,104,107,116	CEVW101M16
C	105,157,193,206	CGSSCH100D50
C	109,148,186,187	CGSSCH8R0D50
C	117,119,126,162	CGSSCH101J50
C	118,1229,1549,1721	DGH1246
C	120,121,124,130	CKSSYB103K25
C	122,136,137,150	CKSSYB104K16
C	129,160,511,538	CGSSCH270J50
C	132,196,1468,9726	CGSSCH120J50
C	133,138,144,146	CKSSYB103K25
C	151,454,9061	CGSSCH390J50
C	152,159,166,170	CKSSYB104K16
C	153,155,158,161	CKSSYB103K25
C	154,194,361,554	CGSSCH220J50
C	156,961,1035,1069	CGSSCH471J50
C	163,178,205,213	CKSSYB103K25
C	165,1313,1326,1395	CGSSCH150J50
C	176,492,624,648	CGSSCH470J50
C	180,665,666	CGSSCH7R0D50
C	192,406,498,572	CGSSCH330J50
C	201,649,699,734	CGSSCH221J50
C	208,211,215,322	CKSSYB104K16
C	212,219,363,619	CGSSCH101J50
C	217,221,223,342	CKSSYB103K25
C	222,321,341	CGSSCH100D50
C	343,9101	CGSSCH820J50
C	362,463,464,483	CKSSYB103K25
C	405,407,9408,9433	CGG1222
C	412,9022,9115	CCSRCH100D50
C	417,9488,9634	ACG7114
C	421,424,473,474	RS1/8SQ105J
C	423,9425	CGSQCH330J50
C	446,614,1482,1605	CCH1814
C	451,656	CGSSCH680J50
C	453,499,714,1025	CEVW101M16
C	455,495,496	CCG1332
C	456,459,1207,1355	CEVW221M4
C	457,623,1379,1506	CGSSCH560J50
C	460-462	CKSRYB473K50
C	465,1104-1106,1457	CGSSCH4R0C50
C	467,1095-1100,1359	CGSSCH5R0C50
C	476,1704	ACE7100
C	477,479,9441,9538	CCSRCH222J50
C	481,9302,9504	CKSSYB223K16
C	482,9641	CKSSYB473K16
C	484-486,506-508	CCG1236
C	487	CCSRCH102J50
C	489-491,604,608	CGSSCH100D50
C	601,602,1208,1638	ACH7399
C	612,618,620,631	CKSSYB103K25

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
	C	613,647,1461	CCSSCH151J50				
	C	617,625,626,638	CKSSYB104K16	C	1453,1454,1458,1459		CKSSYB103K25
	C	621,679,904,1206	CCSSCH220J50	C	1456,1460,1471,1474		CCSSCH101J50
	C	627,639,650,659	CCSSCH101J50	C	1462,1475,1477,1484		CKSSYB103K25
	C	633,636,644,653	CKSSYB103K25	C	1464,1513,1734,1748		CCSSCH471J50
	C	634,640,737,740	CCSSCH100D50	C	1467,1490,1625,1642		CKSSYB104K16
	C	641,642,645,662	CKSSYB104K16	C	1480,1548,1653,1708		CCSSCH101J50
	C	660,671,682,690	CCSSCH101J50	C	1486,1505,1522,1529		CKSSYB103K25
	C	661,663,678,753	CCSSCH330J50	C	1487,1592		CCSSCH271J50
	C	664,669,670,680	CKSSYB103K25	C	1489,1536,1560,1650		CCSSCH221J50
	C	675,962,964,1032	CKSSYB104K16	C	1502,1537,1557,1565		CCSSCH100D50
	C	685,903,909,1010	CKSSYB103K25	C	1509,9545,9546		CEAK102M16
	C	697,705,708,735	CCSSCH101J50	C	1518,1586,1587,1648		CCSSCH220J50
	C	713,739,741,1479	CCSSCH8ROD50	C	1535,1551,1556,1567		CKSSYB103K25
	C	717,718,743,744	CCSSCH470J50	C	1553,9027,9636,9770		CCSSCH270J50
	C	742,745,746,755	CCSSCH100D50	C	1555,1620,1664,1743		CCSSCH330J50
	C	748,750,1040,1244	CCSSCH221J50	C	1559,1561,1631,1694		CCSSCH150J50
	C	749,751,752,902	CCSSCH101J50	C	1562,1609,1716		CCSSCH4R0C50
	C	756,1076,1511,1550	CCSSCH330J50	C	1566		CEVW470M6R3
	C	757,9007,9750	RS1/16SS105J	C	1584,1585,1645,1677		CCSSCH100D50
	C	908,1647,1651,1663	CCSSCH470J50	C	1593,1595,1602,1624		CKSSYB103K25
	C	910,1027,1033,1079	CCSSCH101J50	C	1604,1816,9730		CCSSCH5R0C50
	C	1001,1089-1091,9694	DCH1201	C	1618,1630,1655,1784		CEVW221M4
	C	1024,1107-1109,1720	CCSSCH180J50	C	1627,1666,1688,1700		ACG7115
	C	1028,1036,1274,1390	CCSSCH270J50	C	1632,1654,9501		ACH7306
	C	1031,1042,1064,1075	CEVW101M16	C	1633,1714		ACG7117
	C	1034,1038,1043,1045	CKSSYB103K25	C	1646,1652,1665,1669		CKSSYB103K25
	C	1037,1046,1070,1251	CCSSCH331J50	C	1649,1662,1667,1673		CKSSYB104K16
	C	1044	CKSSYB823K10	C	1670,1731,1835,1855		CCSSCH221J50
	C	1047,1054,1056,1224	CKSSYB103K25	C	1671,1680,1692,1711		CCSSCH220J50
	C	1048,1060,1063,1065	DCH1263	C	1679,1681,1684,1685		CKSSYB103K25
	C	1049,1252	CCSSCH102J50	C	1683,1710,1742,1750		CKSSYB104K16
	C	1050-1052,1055,1057	CKSSYB104K16	C	1689-1691,1699,1703		CKSSYB103K25
	C	1059,1061,1067,1068	CKSSYB104K16	C	1695,1696,9416,9457		CCG1325
	C	1062,1088,1246,1286	CCSSCH100D50	C	1702,1739,1754,1771		CCSSCH100D50
	C	1071,1072,1092-1094	CKSSYB104K16	C	1705,9038,9118,9213		ACE7113
	C	1074,1205,1352	DCH1263	C	1706,1713,1718		CKSSYB103K25
	C	1084,1215,1231,1256	CCSSCH101J50	C	1717,1741,1749,1803		CCSSCH101J50
	C	1101-1103,1333,1478	CCSSCH7ROD50	C	1725,1727,1728,1744		DCH1246
	C	1110-1112,1213,1240	CKSSYB104K16	C	1735-1737,1751,1755		CKSSYB103K25
	C	1153,1606,1611,1626	VCG1072	C	1738,9015,9056,9085		CCSSCH470J50
	C	1155,1621,1693,9250	CKSRBY103K50	C	1752,9231,9629		CCSSCH180J50
	C	1203,1230,1349,1656	CKSQYB105K25	C	1753,1756,1770,1779		CKSSYB104K16
	C	1210	ACG7118	C	1757,1772,1774,1776		CKSSYB103K25
	C	1228,9403,9405	ACG7113	C	1764,9004,9312,9314		ACH7399
	C	1236,1238,1267,1270	CKSSYB103K25	C	1766,1775,1822,9218		CCSSCH150J50
	C	1248,1278,1360,1393	CCSSCH220J50	C	1768,9003,9049,9055		CCSSCH220J50
	C	1254,1289,1297,1343	CKSSYB104K16	C	1769,1783,9455,9459		CKSQYB105K25
	C	1268,1322,1339,1425	CCSSCH101J50	C	1773		ACG7122
	C	1276,1285,1305,1319	CKSSYB103K25	C	1777,1799,9009,9020		CCSSCH100D50
	C	1299,1324,1388,1488	CCSSCH221J50	C	1778,1789,1790,1793		CKSSYB103K25
	C	1311,1323,1346,1381	CCSSCH331J50	C	1780,9606,9608,9615		CCSSCH331J50
	C	1325,1334,1380,1426	CKSSYB103K25	C	1788,1791,1797,1834		CKSSYB104K16
	C	1353,9226,9228,9230	RS1/8SQ105J	C	1794		CCSSCH9ROD50
	C	1357,1660,1763,1765	CEVW101M16	C	1795,9783		CCSSCH8ROD50
	C	1358,1601,1610,1617	CEVW221M4	C	1796,9002,9233,9249		CCSSCH7ROD50
	C	1361,1410,1411,1485	CCSSCH100D50	C	1798,1801,1828,1845		CKSSYB103K25
	C	1384,1409,1455,1466	CKSSYB104K16	C	1839		CKSRBY105K16
	C	1398,1451,1470,1623	CCSSCH331J50	C	1846,9019,9024,9026		CCSSCH101J50
	C	1427	VCH1234	C	1854,1932,9014,9023		CKSSYB104K16

Mark	No.	Description	Part No.
	C	1934	CFHXSQ103J16
A	C	1935,9458,9466,9489	CEVW101M16
	C	9005,9029,9232,9436	CEVW221M4
	C	9011,9013,9016,9021	CKSSYB103K25
	C	9025,9031,9042,9051	CKSSYB104K16
	C	9028,9035,9040,9043	CKSSYB103K25
	C	9030	ACG7115
	C	9032,9039,9046,9053	CCSSCH101J50
	C	9034,9037,9041,9065	CCSSCH100D50
	C	9044,9054,9099,9485	CCSSCH330J50
	C	9048,9052,9062,9063	CKSSYB103K25
B	C	9057,9064,9083,9338	CCSSCH101J50
	C	9058,9066,9088,9337	CKSSYB104K16
	C	9069,9084,9089,9093	CKSSYB103K25
	C	9074,9096,9103,9126	CCSSCH100D50
	C	9075,9332,9529,9799	CKSRB104K50
	C	9098,9102,9333,9409	CKSSYB103K25
	C	9234,9418,9557	RS1/8SQ105J
	C	9235,9647,9758,9784	CCSSCH470J50
	C	9246	CEVW471M10
	C	9301,9599,9616,9630	CCSSCH220J50
C	C	9313,9402,9410,9432	CCSSCH100D50
	C	9315,9513	CCSSCH7R0D50
	C	9324,9325	CKSSYB222K50
	C	9404,9662,9767	CCSSCH221J50
	C	9421,9632,9659,9669	CKSSYB104K16
	C	9426-9428,9463,9502	CKSSYB103K25
	C	9429,9444,9451,9514	CCG1236
	C	9430	CCG1321
	C	9431,9477,9494	CKSRB103K50
	C	9434,9454,9461,9516	CCSSCH101J50
	C	9435,9479,9481,9493	CCG1222
	C	9442	CKSSYB153K16
	C	9445,9482,9484,9492	CCSSCH100D50
D	C	9450,9499,9527,9626	CEVW221M4
	C	9460,9524,9582,9590	CCG1325
	C	9462	CKSRB223K50
	C	9465	VCG1072
	C	9473	CKSQYB104K50
	C	9495,9503,9505,9506	CCSSCH100D50
	C	9496	CCG1222
	C	9498,9507,9530,9559	CEVW101M16
	C	9509,9522,9617,9702	CCSSCH100D50
	C	9512,9534	CKSSYB472K50
	C	9517,9519,9526	CKSQYB105K25
E	C	9521,9537	CCG1236
	C	9525,9777,9782	CCSSCH330J50
	C	9528,9627,9661,9663	CKSSYB103K25
	C	9533,9581,9597,9602	CCSSCH101J50
	C	9558	CCSRCH330J50
	C	9600,9642,9748	CEVW101M16
	C	9610,9697,9700,9773	DCH1246
	C	9621,9660,9666,9670	CCSSCH101J50
	C	9635,9772	CEVW221M4
	C	9665,9709,9712,9714	CKSSYB103K25
	C	9672,9674,9680,9688	CCSSCH331J50
F	C	9673,9679,9692,9696	CKSSYB104K16
	C	9678,9691,9769,9775	CCSSCH101J50
	C	9701,9731,9732	CCSSCH150J50

Mark	No.	Description	Part No.
	C	9703,9705,9706,9724	CCSSCH100D50
	C	9716,9719,9728,9736	CKSSYB103K25
	C	9721,9725,9727,9745	CKSSYB104K16
	C	9734,9735,9737,9742	CCSSCH100D50
	C	9738-9740	CCSSCH150J50
	C	9744,9798,9861	CCSSCH220J50
	C	9747	ACH7399
	C	9752,9765,9791,9814	CCSSCH100D50
	C	9754,9756,9759,9771	CKSSYB103K25
	C	9757,9762,9766,9768	CKSSYB104K16
	C	9761	CFHXSQR22J16
	C	9774,9776,9778,9780	CKSSYB103K25
	C	9779,9785,9788,9790	CKSSYB104K16
	C	9781,9787,9795,9810	CCSSCH101J50
	C	9789,9793,9796,9797	CKSSYB103K25
	C	9794,9805,9812,9821	CKSSYB104K16
	C	9804,9811,9815,9818	CKSSYB103K25
	C	9813	CFHXSQR182J16
	C	9816,9820	CCSSCH100D50
	C	9819,9863	CCSSCH101J50
	C	9822	CCSSCH470J50
	C	9862	CKSSYB104K16
	C	9908	CKSSYB103K25
	C	9910,9912	DCH1246

## INTERFACE\_M ASSY (SC-99,SC-LX89)

### SEMICONDUCTORS

Q	7001-7003,7013,7015	DTC124EUA
Q	7005	2SA1576A
Q	7008,7010	2SA1036K
Q	7014,7016	DTA124EUA
D	7005	1SS301
D	7007,7009	RB501VM-40

### MISCELLANEOUS

L	7001 CHIP SOLID INDUCTOR	ATL7002
L	7005-7007 CHIP SOLID INDUCTOR	QTL101
JA	7001,7004,7005 JACK	VKB1243
JA	7003 JACK	AKN-209
KN	7001 SCREW PLATE	VNE1948
KN	7002,7004-7007 EARTH TERMINAL	AKF7002
CN	7002,7005 7P PLUG	KM200IB7
CN	7003 B TO B 13PIN PLUG	AKM7102
CN	7004 B TO B 19PIN PLUG	AKM7105
CN	7006 CONNECTOR	9604S-19C
CN	7007 B TO B 17PIN PLUG	AKM7104
CN	7008 B TO B 15PIN PLUG	AKM7103

### RESISTORS

R	7102-7109,7130-7135	RS1/8SQ105J
R	7139	RS1/4SA150J
	Other Resistors	RS1/10SR###J

### CAPACITORS

C	7007	CKSQYB104K50
C	7013,7016	CKSQYB103K50
C	7015	CKSRB103K50
C	7101	CCSQCH101J50
C	7108	CEAK470M25
C	7135	CCSQCH331J50

**Mark No. Description Part No.**

## I COMPONENT ASSY (SC-99)

### SEMICONDUCTORS

IC 8301	NJW1328FH2
IC 8601	HIN202EIBNZ
Q 8603	2SC4081
Q 8604	2SA1576A
Q 8605	DTC114EUA

Q 8606	HN1K02FU
D 8601,8605	1SS355

### MISCELLANEOUS

JA 8301,8302,8304 3P PIN JACK AU	AKB7228
JA 8601 9P D-SUB SOCKET	AKP7256
CN 8301 B TO B 23PIN PLUG	AKM7107
CN 8302 20P PLUG	AKM7171
JP 8402 HOUSING	ADX7746

### RESISTORS

R 8301-8306	RS1/10SR75R0F
R 8310,8312,8314	RS1/10SR68R0F
R 8557	RS1/8SQ0R0J
Other Resistors	RS1/10SR###J

### CAPACITORS

C 8301,8383,8613	CEAK101M16
C 8305,8307,8313,8315	CEAK1R0M50
C 8324,8326,8341,8342	CEAK1R0M50
C 8358,8359	CCSRCH220J50
C 8360,8541,8601	CKSRYP103K50
C 8376,8377,8379,8611	CCSRCH100D50
C 8378	CCSRCH471J50
C 8381	CKSRYP105K16
C 8525,8526	CEAK471M6R3
C 8527,8548,8549	CEAK102M6R3
C 8528-8535,8540,8542	CKSRYP104K50
C 8536,8538,8543	CEAK1R0M50
C 8537,8539,8610,8618	CCSRCH331J50
C 8544-8547,8602	CKSRYP104K50
C 8604-8606	CKSRYP104K50
C 8612,8617	CCSRCH100D50
C 8614	CCSRCH101J50

## J COMPOSITE ASSY (SC-99,SC-LX89)

### MISCELLANEOUS

JA 3601 1P PIN JACK	AKB7232
JA 3602 RCA JACK	AKB7256
CN 3601 20P SOCKET	AKP7249

### RESISTORS

R 3607,3637,3639,3645	RS1/10SR0R0J
R 3646	RS1/10SR0R0J
Other Resistors	RS1/10SR####F

### CAPACITORS

C 3607,3620	CCSRCH181J50
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## K MIC HP ASSY

### SEMICONDUCTORS

IC 3471	NJM4585M
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**Mark No. Description Part No.**

Q 3451	DTC124EUA
Q 3452-3455	2SD2704K
D 3473-3475	DZ2J051M0

### MISCELLANEOUS

JA 3471 JACK	VKB1243
JA 3476 HEADPHONE JACK	XKB3066
KN 3471,3472 EARTH TERMINAL	AKF7002
CN 3472 CONNECTOR	9604S-15C

### RESISTORS

R 3455	RS1/8SQ330J
R 3456,3459	RS1/4SA0R0J
Other Resistors	RS1/10SR###J

### CAPACITORS

C 3451,3452	CKSQYB822K50
C 3457,3479	CCSRCH101J50
C 3473	CCSQCH471J50
C 3475	CCSQCH101J50
C 3476,3477	CCSRCH330J50
C 3478	CEAK100M50

## L DISPLAY ASSY (SC-99,SC-97)

### SEMICONDUCTORS

NSP IC 6001	R5F100MHAF
△ IC 6002	NJM2878F3-33
IC 6003	PD8198A
Q 6001	RU1C001UN
Q 6002-6010,6012	DTC124EUA
Q 6011	DTA124EUA
Q 6013	2SA1576A
Q 6014	2SC4081
D 6001	RB751V-40
D 6002	DAN217U
D 6006,6008,6010,6012	SLR343BC4T
D 6014	SLR343BC4T
D 6017	DZ2J056M0

### MISCELLANEOUS

L 6001 CHIP SOLID INDUCTOR	ATL7002
KN 6001 FL HOLDER(FE)	VNF1096
V 6001 FL TUBE DISPLAY	AAV7115
S 6001-6019 SWITCH	ASG7029
CN 6001 39P CONNECTOR	VKN2098
CN 6003 5P CONNECTOR	VKN1820
JH 6002 4P CABLE HOLDER	51048-0400
JH 6003,6004 3P CABLE HOLDER	51048-0300
JP 6001 HOUSING	ADX7753
JP 6002 JUMPER WIRE	D20PY0410E
JP 6003,6004 JUMPER WIRE	D20PY0310E

### RESISTORS

R 6304	RS1/8SQ105J
Other Resistors	RS1/10SR###J

### CAPACITORS

C 6001,6006,6010,6024	CKSRYP103K50
C 6004	CKSRYP474K16
C 6005	CCSRCH471J50
C 6007	CCSRCH101J50
C 6008,6011,6026	CKSRYP104K50

Mark	No.	Description	Part No.
	C	6009	CKSRYB472K50
	C	6012	CKSRYB473K50
	C	6013,6014,6068	CKSQYB103K50
	C	6016,6017	CKSQYB105K25
	C	6018	CCSQCH331J50
	C	6020	CKSQYB104K50
	C	6022,6063	CCSRCH470J50
	C	6025	CKSRYB103K50
	C	6027	CEAK221M16
	C	6060,6061,6064,6067	CCSRCH331J50
	C	6066	CEAK470M50
	C	6300	CCSRCH390J50
	C	6301,6302	CCSRCH100D50

Mark	No.	Description	Part No.
<b>RESISTORS</b>			
	R	6802,6803,6822,6823	RS1/10SR8201F
	R	6806,6807,6826,6827	RS1/10SR1602F
	R	6817	RS1/8SQ274J
	R	6818,6837,6838,6857	RS1/8SQ225J
	R	6842,6843,6864-6867	RS1/10SR8201F
	R	6846,6847,7456,7457	RS1/10SR1602F
	R	6858,6877,6878,6897	RS1/8SQ225J
	R	6884-6887,6904-6907	RS1/10SR8201F
	R	6898,6917,6918,6937	RS1/8SQ225J
	R	6924-6927,7452,7453	RS1/10SR8201F
	R	6938,7467,7468,7487	RS1/8SQ225J
	R	6948,6949	RS1/8SQ0R0J
	R	7472,7473	RS1/10SR8201F
	R	7476,7477	RS1/10SR1602F
	R	7488	RS1/8SQ225J
	R	7491,7492	RS1/8SQ105J
		Other Resistors	RS1/10SR###J

A

B

**M VOL ASSY**  
**MISCELLANEOUS**

S	3371	ROTARY ENCODER	ASX7053
CN	3371	3P JUMPER CONNECTOR	52147-0310

**CAPACITORS**

C	3371,3372		CKSQYB103K50
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**N POWER SW ASSY**  
**SEMICONDUCTORS**

Q	3401		DTC143EUA
D	3402		SLR343BC4T

**MISCELLANEOUS**

S	3401	SWITCH	VSG1024
CN	3401	4P JUMPER CONNECTOR	52147-0410

**RESISTORS**

		All Resistors	RS1/10SR###J
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**CAPACITORS**

C	3401		CCSRCH221J50
C	3402		CKSRYB104K50

C

D

**O ENCODER ASSY**  
**MISCELLANEOUS**

S	3501	ROTARY ENCODER	ASX7054
CN	3501	3P JUMPER CONNECTOR	52147-0310

**RESISTORS**

		All Resistors	RS1/10SR###J
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**CAPACITORS**

C	3501,3502		CKSQYB103K50
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E

**P IR BUFFER\_M ASSY (SC-99)**  
**MISCELLANEOUS**

IC	6801,6821,6841,6861		NJM4585M
IC	6881,6901,6921,7451		NJM4585M
IC	7471		NJM4585M
IC	7491		TC4053BFT

**MISCELLANEOUS**

KN	6801	WRAPPING TERMINAL	CKF1089
CN	6801	24P SOCKET	AKP7251
CN	6802,6803	24P PLUG	AKM7173

F

**CAPACITORS**

C	6810,6811,6830,6831		ACE7097
C	6814,6834,6854,6874		ACE7100
C	6850,6851,6870,6871		ACE7097
C	6890,6891,6910,6911		ACE7097
C	6894,6914,6934,7464		ACE7100

**CAPACITORS**

C	6930,6931,7460,7461		ACE7097
C	7484		ACE7100
C	7494,7497		CFHXSQ103J16
C	7680,7681		ACE7097

**P IR BUFFER\_M ASSY (SC-LX89)**  
**SEMICONDUCTORS**

IC	6801,6821,6841,6861		NJM5532CG
IC	6881,6901,6921,7451		NJM5532CG
IC	7471		NJM5532CG
IC	7491		TC4053BFT

**MISCELLANEOUS**

KN	6801	WRAPPING TERMINAL	CKF1089
CN	6801	24P SOCKET	AKP7251
CN	6802,6803	24P PLUG	AKM7173

**RESISTORS**

R	6802,6803,6822,6823		RS1/10SR3901F
R	6806,6807,6826,6827		RS1/10SR8201F
R	6817		RS1/8SQ274J
R	6818,6837,6838,6857		RS1/8SQ225J
R	6842,6843,7452,7453		RS1/10SR3901F
R	6846,6847,7456,7457		RS1/10SR8201F
R	6858,6877,6878,6897		RS1/8SQ225J
R	6864-6867,6884-6887		RS1/10SR6801F
R	6898,6917,6918,6937		RS1/8SQ225J
R	6904-6907,6924-6927		RS1/10SR6801F

R	6938,7467,7468,7487		RS1/8SQ225J
R	6948,6949		RS1/8SQ0R0J
R	7472,7473		RS1/10SR3901F
R	7476,7477		RS1/10SR8201F
R	7488		RS1/8SQ225J

R	7491,7492		RS1/8SQ105J
	Other Resistors		RS1/10SR###J

Mark	No.	Description	Part No.
<b>CAPACITORS</b>			
C	6810,6811,6830,6831		ACE7097
C	6814,6874,6894,6914		ACE7100
C	6834,6850,6851,6854		ACE7097
C	6870,6871,6890,6891		ACE7097
C	6910,6911,6930,6931		ACE7097
C	6934,7464,7484		ACE7100
C	7460,7461,7680,7681		ACE7097
C	7491,7492		ACE7113

## **P** IR BUFFER\_M ASSY (SC-LX79)

### **SEMICONDUCTORS**

IC	6801,6821,6841,6861	NJM5532CG
IC	6881,6901,6921,7451	NJM5532CG
IC	7471	NJM5532CG
IC	7491	TC4053BFT

### **MISCELLANEOUS**

KN6801	WRAPPING TERMINAL	CKF1089
CN6801	24P SOCKET	AKP7251
CN6802,6803	24P PLUG	AKM7173

### **RESISTORS**

R	6802,6803,6822,6823	RS1/10SR3901F
R	6806,6807,6826,6827	RS1/10SR8201F
R	6817	RS1/8SQ274J
R	6818,6837,6838,6857	RS1/8SQ225J
R	6842,6843,7452,7453	RS1/10SR3901F
R	6846,6847,7456,7457	RS1/10SR8201F
R	6858,6877,6878,6897	RS1/8SQ225J
R	6864-6867,6884-6887	RS1/10SR6801F
R	6898,6917,6918,6937	RS1/8SQ225J
R	6904-6907,6924-6927	RS1/10SR6801F
R	6938,7467,7468,7487	RS1/8SQ225J
R	6948,6949	RS1/8SQ0R0J
R	7472,7473	RS1/10SR3901F
R	7476,7477	RS1/10SR8201F
R	7488	RS1/8SQ225J
R	7491,7492	RS1/8SQ105J
	Other Resistors	RS1/10SR###J

### **CAPACITORS**

C	6810,6811,6830,6831	ACE7097
C	6814,6874,6894,6914	ACE7100
C	6834,6850,6851,6854	ACE7097
C	6870,6871,6890,6891	ACE7097
C	6910,6911,6930,6931	ACE7097
C	6934,7464,7484	ACE7100
C	7460,7461,7680,7681	ACE7097
C	7491,7492	ACE7113

## **Q** BUFFER GND\_M ASSY

### **MISCELLANEOUS**

KN6961	SCREW PLATE	VNE1948
KN6962	SCREW PLATE(MTL)	ANG7591

## **R** IR INTERFACE\_M ASSY

### **MISCELLANEOUS**

CN3801,3802	24P SOCKET	AKP7251
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Mark	No.	Description	Part No.
	CN3810,3820,3830,3840	5P SOCKET	KP200IB5L
	CN3850,3860,3870,3880	5P SOCKET	KP200IB5L
	CN3890	5P SOCKET	KP200IB5L

## **S** D AMP ASSY (SC-99)

### **SEMICONDUCTORS**

	IC 4001	BUJ262SFVM
⚠	IC 4003	NJM78M05DL1A
	IC 4004	TC74VHCT08AFKS1
	IC 4005	TA76L431FB
	IC 4007	BU4094BCFV
⚠	IC 4008	NJM78M06DL1A
⚠	IC 4009	NJM79M06DL1A
	IC 4100,4200,4300,4400	TLC071IDR
⚠	IC 4101,4201,4301,4401	IRS20957SPBFS1
	IC 4202,4402,4602,4702	NJM4585M
	IC 4500,4600,4700,4800	TLC071IDR
⚠	IC 4501,4601,4701,4801	IRS20957SPBFS1
	IC 4802	NJM4585M
	IC 4900	TLC071IDR
⚠	IC 4901	IRS20957SPBFS1
	IC 4905	TC7SET08FUS1
	Q 4000,4002,4003,4036	DTC124EUA
	Q 4001,4020,4026,4030	2SA1576A
	Q 4004,4006,4008,4010	DTA124EUA
	Q 4005,4007,4009,4011	DTC114TUA
	Q 4012,4013,4035	HN1A01FU
	Q 4014,4016,4027-4029	HN1C01FU
	Q 4015,4017,4021-4023	2SC4081
	Q 4018,4031	DTA124EUA
	Q 4019,4032	DTC114TUA
	Q 4024	2SC3906K
	Q 4025,4037,4038	2SC4081
	Q 4100,4200,4300,4400	2SD2704K
⚠	Q 4101,4102,4201,4202	IRF6775MPBFS1
	Q 4103-4106,4108,4117	2SC4081
	Q 4107,4111,4114,4207	2SA1576A
⚠	Q 4109,4209,4309,4409	2SC2412K
	Q 4110,4210,4310,4410	2SA1514K
	Q 4112,4312,4512,4712	2SC2412K
	Q 4203-4206,4208,4217	2SC4081
	Q 4211,4214,4307,4311	2SA1576A
⚠	Q 4301,4302,4401,4402	IRF6775MPBFS1
	Q 4303-4306,4308,4317	2SC4081
	Q 4314,4407,4411,4414	2SA1576A
	Q 4403-4406,4408,4417	2SC4081
	Q 4500,4600,4700,4800	2SD2704K
⚠	Q 4501,4502,4601,4602	IRF6775MPBFS1
	Q 4503-4506,4508,4517	2SC4081
	Q 4507,4511,4514,4607	2SA1576A
⚠	Q 4509,4609,4709,4809	2SC2412K
	Q 4510,4610,4710,4810	2SA1514K
	Q 4603-4606,4608,4617	2SC4081
	Q 4611,4614,4707,4711	2SA1576A
⚠	Q 4701,4702,4801,4802	IRF6775MPBFS1
	Q 4703-4706,4708,4717	2SC4081
	Q 4714,4807,4811,4814	2SA1576A
	Q 4803-4806,4808,4817	2SC4081
	Q 4900	2SD2704K

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
	Q	4901,4902	IRF6775MPBFS1	R	4090		RS1/10SR1802F
	Q	4903-4906,4908,4917	2SC4081	R	4102-4105,4202-4205		RS1/10SR8201D
A	Q	4907,4911,4914	2SA1576A	R	4107,4207,4307,4407		ACE7096
	Q	4909	2SC2412K	R	4109,4209,4309,4409		RS1/8SQ331J
	Q	4910	2SA1514K	R	4110,4210,4310,4410		RS1/8SQ223J
	Q	4912,5012,5013,5015	2SC2412K	R	4111,4211,4311,4411		RS1/10SR4700F
	Q	5014,5016	2SC4081	R	4112,4212,4312,4412		RS1/8SQ473J
	Q	5018,5020,5022	HN1K02FU	R	4115,4215,4315,4415		ACN7192
	D	4005,4016,4022,4023	1SS355	R	4116,4190,4216,4290		ACN7199
	D	4011,4012	DAN202U	R	4119,4122,4123,4167		RS1/10SR1001F
	D	4013,4014,4018,4019	DZ2J240M0	R	4120,4220,4320,4420		RS1/10SR1800F
	D	4015,4020	DZ2J270M0	R	4125,4126,4225,4226		ACN7094
B	D	4017,4021	DZ2J180M0	R	4129,4229,4329,4429		RS1/8SQ222J
	D	4102,4202,4302,4402	DZ2J130M0	R	4130,4134,4230,4234		RS1/8SQ103J
	D	4108,4109,4208,4209	RF101L2S	R	4131,4231,4331,4431		RS1/8SQ123J
	D	4116,4119,4216,4219	1SS355	R	4132,4232,4332,4432		RS1/8SQ133J
	D	4117,4217,4317,4417	RF071M2S	R	4133,4144,4233,4244		ACN7197
	D	4118,4218,4318,4418	CMH07	R	4135,4235,4335,4435		RS1/8SQ752J
	D	4308,4309,4408,4409	RF101L2S	R	4136,4236,4336,4436		RS1/8SQ242J
	D	4316,4319,4416,4419	1SS355	R	4137,4141,4237,4241		ACN7165
	D	4502,4602,4702,4802	DZ2J130M0	R	4138,4238,4338,4438		RS1/8SQ8R2J
	D	4508,4509,4608,4609	RF101L2S	R	4139,4193,4239,4293		RS1/8SQ1R2J
	D	4516,4519,4616,4619	1SS355	R	4140,4240,4340,4440		RS1/4SA270J
	D	4517,4617,4717,4817	RF071M2S	R	4142,4143,4242,4243		ACN7189
C	D	4518,4618,4718,4818	CMH07	R	4145,4245,4345,4445		RS1/10SR8201F
	D	4708,4709,4808,4809	RF101L2S	R	4148,4248,4348,4448		RS1/10SR3001F
	D	4716,4719,4816,4819	1SS355	R	4150,4250,4350,4450		RS1/10SR1100F
	D	4902	DZ2J130M0	R	4151,4194,4251,4294		ACN7196
	D	4908,4909	RF101L2S	R	4152,4252,4352,4452		RS1/10SR6802F
	D	4916,4919	1SS355	R	4154,4254,4354,4454		ACN7186
	D	4917	RF071M2S	R	4155,4255,4355,4455		RS1/10SR1003F
	D	4918	CMH07	R	4156,4256,4356,4456		RS1/10SR2402F
				R	4157,4257,4357,4457		RS1/10SR2203F
				R	4162,4262,4362,4462		RS1/4SA123J
<b>MISCELLANEOUS</b>							
	L	4100,4200,4300,4400 OTHER COIL	ATH7090	R	4163,4263,4363,4463		RS1/10SR2701F
D	L	4500,4600,4700,4800 OTHER COIL	ATH7090	R	4166,4266,4366,4466		RS1/10SR1002F
	L	4900 OTHER COIL	ATH7090	R	4168,4268,4368,4468		RS1/10SR7502F
	JA	4101 SP TERMINAL 6-P(V0)	AKE7150	R	4169,4269,4369,4469		RS1/10SR3902F
	JA	4301,4501 SP TERMINAL 4-P(V0)	AKE7149	R	4176,4177,4276,4277		RS1/4SA2R4J
	JA	4901,5101 SP TERMINAL 4-P(V0)	AKE7149	R	4178,4179,4278,4279		RS1/4SA2R2J
	KN	4000 WRAPPING TERMINAL	CKF1089	R	4181,4281,4381,4481		NTCG104KF104FB
	KN	4100,4200,4300,4400 SCREW PLATE	VNE1948	R	4183,4383,4583,4883		RS1/4SA390J
	KN	4500,4900 SCREW PLATE	VNE1948	R	4186,4286,4386,4486		RS1/8SQ151J
	RY	4100,4300,4500,4700 RELAY	XSR3015	R	4187,4188,4287,4288		ACN7180
	RY	4900,5000 RELAY	XSR3015	R	4191,4291,4391,4491		RS1/8SQ823J
	CN	4000 CONNECTOR	9604S-19C	R	4192,4292,4392,4492		RS1/8SQ105J
E	CN	4001 PLUG	CKS-557	R	4195,4196,4295,4296		RS1/8SQ2R2J
	CN	4002 PLUG(2P)	KM200NA2	R	4197,4198,4297,4298		RS1/8SQ2R7J
	CN	4003 PLUG(4P)	KM200NA4	R	4219,4222,4223,4267		RS1/10SR1001F
	CN	4004 PLUG(7P)	KM200NA7	R	4283,4483,4683,4983		RS1/4SA470J
	CN	4100,4200,4300,4400 5P PLUG	KM200IB5	R	4302-4305,4402-4405		RS1/10SR8201D
	CN	4500,4600,4700,4800 5P PLUG	KM200IB5	R	4316,4390,4416,4490		ACN7199
	CN	4900 5P PLUG	KM200IB5	R	4319,4322,4323,4367		RS1/10SR1001F
				R	4325,4326,4425,4426		ACN7094
<b>RESISTORS</b>							
	R	4000,4027,4078,4079	RS1/10SR1802F	R	4330,4334,4430,4434		RS1/8SQ103J
	R	4007,5053,5099,5152	RS1/4SA100J	R	4333,4344,4433,4444		ACN7197
	R	4057	RS1/8SQ471J	R	4337,4341,4437,4441		ACN7165
F	R	4060	RS1/10SR5602F	R	4339,4393,4439,4493		RS1/8SQ1R2J
	R	4061	RS1/10SR3302F	R	4342,4343,4442,4443		ACN7189
	R	4083,4128,4228,4328	RS1/4SA222J				



Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
	R	4351,4394,4451,4494	ACN7196				
	R	4376,4377,4476,4477	RS1/4SA2R4J	R	4730,4734,4830,4834		RS1/8SQ103J
	R	4378,4379,4478,4479	RS1/4SA2R2J	R	4733,4744,4833,4844		ACN7197
	R	4387,4388,4487,4488	ACN7180	R	4737,4741,4837,4841		ACN7165
	R	4395,4396,4495,4496	RS1/8SQ2R2J	R	4739,4793,4839,4893		RS1/8SQ1R2J
				R	4742,4743,4842,4843		ACN7189
	R	4397,4398,4497,4498	RS1/8SQ2R7J				
	R	4419,4422,4423,4467	RS1/10SR1001F	R	4751,4794,4851,4894		ACN7196
	R	4428,4528,4628,4728	RS1/4SA222J	R	4776,4777,4876,4877		RS1/4SA2R4J
	R	4447,5006-5008,5010	RS1/4SA105J	R	4778,4779,4878,4879		RS1/4SA2R2J
	R	4502-4505,4602-4605	RS1/10SR8201D	R	4787,4788,4887,4888		ACN7180
				R	4795,4796,4895,4896		RS1/8SQ2R2J
	R	4507,4607,4707,4807	ACE7096				
	R	4509,4609,4709,4809	RS1/8SQ331J	R	4797,4798,4897,4898		RS1/8SQ2R7J
	R	4510,4610,4710,4810	RS1/8SQ223J	R	4819,4822,4823,4867		RS1/10SR1001F
	R	4511,4611,4711,4811	RS1/10SR4700F	R	4828,4928,5037		RS1/4SA222J
	R	4512,4612,4712,4812	RS1/8SQ473J	R	4902-4905		RS1/10SR8201D
				R	4907,5059,5159		ACE7096
	R	4515,4615,4715,4815	ACN7192				
	R	4516,4590,4616,4690	ACN7199	R	4909,5038,5052		RS1/8SQ331J
	R	4519,4522,4523,4567	RS1/10SR1001F	R	4910,5015,5023		RS1/8SQ223J
	R	4520,4620,4720,4820	RS1/10SR1800F	R	4911		RS1/10SR4700F
	R	4525,4526,4625,4626	ACN7094	R	4912,5017,5025		RS1/8SQ473J
				R	4915		ACN7192
	R	4529,4629,4729,4829	RS1/8SQ222J				
	R	4530,4534,4630,4634	RS1/8SQ103J	R	4916,4990		ACN7199
	R	4531,4631,4731,4831	RS1/8SQ123J	R	4919,4922,4923,4967		RS1/10SR1001F
	R	4532,4632,4732,4832	RS1/8SQ133J	R	4920		RS1/10SR1800F
	R	4533,4544,4633,4644	ACN7197	R	4925,4926		ACN7094
				R	4929,5039,5040,5063		RS1/8SQ222J
	R	4535,4635,4735,4835	RS1/8SQ752J				
	R	4536,4636,4736,4836	RS1/8SQ242J	R	4930,4934,5029,5030		RS1/8SQ103J
	R	4537,4541,4637,4641	ACN7165	R	4931		RS1/8SQ123J
	R	4538,4638,4738,4838	RS1/8SQ8R2J	R	4932		RS1/8SQ133J
	R	4539,4593,4639,4693	RS1/8SQ1R2J	R	4933,4944		ACN7197
				R	4935		RS1/8SQ752J
	R	4540,4640,4740,4840	RS1/4SA270J				
	R	4542,4543,4642,4643	ACN7189	R	4936		RS1/8SQ242J
	R	4545,4645,4745,4845	RS1/10SR8201F	R	4937,4941		ACN7165
	R	4548,4648,4748,4848	RS1/10SR3001F	R	4938		RS1/8SQ8R2J
	R	4550,4650,4750,4850	RS1/10SR1100F	R	4939,4993		RS1/8SQ1R2J
				R	4940		RS1/4SA270J
	R	4551,4594,4651,4694	ACN7196				
	R	4552,4652,4752,4852	RS1/10SR6802F	R	4942,4943		ACN7189
	R	4554,4654,4754,4854	ACN7186	R	4945		RS1/10SR8201F
	R	4555,4655,4755,4855	RS1/10SR1003F	R	4948		RS1/10SR3001F
	R	4556,4656,4756,4856	RS1/10SR2402F	R	4950		RS1/10SR1100F
				R	4951,4994		ACN7196
	R	4557,4657,4757,4857	RS1/10SR2203F				
	R	4562,4662,4762,4862	RS1/4SA123J	R	4952		RS1/10SR6802F
	R	4563,4663,4763,4863	RS1/10SR2701F	R	4954		ACN7186
	R	4566,4666,4766,4866	RS1/10SR1002F	R	4955		RS1/10SR1003F
	R	4568,4668,4768,4868	RS1/10SR7502F	R	4956		RS1/10SR2402F
				R	4957		RS1/10SR2203F
	R	4569,4669,4769,4869	RS1/10SR3902F				
	R	4576,4577,4676,4677	RS1/4SA2R4J	R	4962		RS1/4SA123J
	R	4578,4579,4678,4679	RS1/4SA2R2J	R	4963		RS1/10SR2701F
⚠	R	4581,4681,4781,4881	NTCG104KF104FB	R	4966,5001		RS1/10SR1002F
	R	4586,4686,4786,4886	RS1/8SQ151J	R	4968		RS1/10SR7502F
				R	4969		RS1/10SR3902F
	R	4587,4588,4687,4688	ACN7180				
	R	4591,4691,4791,4891	RS1/8SQ823J	R	4976,4977		RS1/4SA2R4J
	R	4592,4692,4792,4892	RS1/8SQ105J	R	4978,4979		RS1/4SA2R2J
	R	4595,4596,4695,4696	RS1/8SQ2R2J	⚠	R	4981	NTCG104KF104FB
	R	4597,4598,4697,4698	RS1/8SQ2R7J	R	4986		RS1/8SQ151J
				R	4987,4988,5003,5004		ACN7180
	R	4619,4622,4623,4667	RS1/10SR1001F				
	R	4702-4705,4802-4805	RS1/10SR8201D	R	4991		RS1/8SQ823J
	R	4716,4790,4816,4890	ACN7199	R	4992,5183-5187		RS1/8SQ105J
	R	4719,4722,4723,4767	RS1/10SR1001F	R	4995,4996		RS1/8SQ2R2J
	R	4725,4726,4825,4826	ACN7094	R	4997,4998		RS1/8SQ2R7J

Mark	No.	Description	Part No.
	R	5000	RS1/10SR1001F
A	R	5009	RS1/4SA751J
	R	5011,5018	RS1/8SQ563J
	R	5012,5016,5020,5021	RS1/8SQ104J
	R	5013,5019	RS1/8SQ224J
	R	5014,5022	RS1/8SQ683J
B	R	5024	RS1/8SQ104J
	R	5026	ACN7180
	R	5041	RS1/4SA1R5J
	R	5066	RS1/8SQ222J
	R	5068,5071	RS1/4SA331J
C	R	5092	RS1/8SQ100J
	R	5094	RS1/4SA224J
	R	5100,5104,5108,5112	RS1/4SA104J
	R	5116,5120,5124,5128	RS1/4SA104J
	R	5132	RS1/4SA104J
D	R	5141-5149	RS1/4SA183J
	R	5153,5155	RS1/4SA390J
	R	5154,5156	RS1/4SA470J
	R	5157,5168,5182	RS1/4SA100J
	Other Resistors		RS1/10SR###J

**CAPACITORS**

C	C	4008,4010,4036,4052	CEAK101M16
	C	4009	CCSRCH150J50
	C	4013	CCSRCH180J50
	C	4016	CCSRCH120J50
	C	4022	ACE7090
D	C	4023,5185	CEHVV100M16
	C	4024	ACH1479
	C	4025	ACE7100
	C	4026,4029,4035,4073	CFHXSQ103J16
	C	4040,4128,4228,4328	CCH1814
E	C	4044,4048	ACE7107
	C	4045,4067,4068,4085	ACE7101
	C	4053,4081,4166,4167	CEAK101M16
	C	4057-4062	ACH7400
	C	4063,4116,4216,4316	ACH7389
F	C	4065,4066,4069,4070	ACH7388
	C	4074,4109,4121,4122	CFHXSQ103J16
	C	4077	ACE7112
	C	4078,4079,4159,4160	ACE7108
	C	4091	CFHXSQ101J16
G	C	4097	CCSRCH100D50
	C	4098,4099,4120,4123	CFHXSQ102J50
	C	4100,4200,4300,4400	CFTLA104J2A
	C	4101,4201,4301,4401	CFTLA474J2A
	C	4108,4208,4308,4408	ACH7320
H	C	4119,4219,4319,4419	ACE7133
	C	4126,4226,4326,4426	CFHXSQ101J50
	C	4130,4134,4136,4230	ACH7377
	C	4149,4150,4249,4250	ACH7359
	C	4156,4256,4356,4456	ACE7097
I	C	4161,4175,4261,4275	ACE7130
	C	4171,4371,4571,4771	CEAK100M50
	C	4180,4280,4380,4480	ACE7096
	C	4209,4221,4222,4309	CFHXSQ103J16
	C	4220,4223,4320,4323	CFHXSQ102J50
J	C	4234,4236,4330,4334	ACH7377
	C	4259,4260,4359,4360	ACE7108

Mark	No.	Description	Part No.
C	C	4266,4267,4366,4367	CEAK101M16
	C	4321,4322,4409,4421	CFHXSQ103J16
	C	4336,4430,4434,4436	ACH7377
C	C	4349,4350,4449,4450	ACH7359
	C	4361,4375,4461,4475	ACE7130
	C	4416,4516,4616,4716	ACH7389
	C	4420,4423,4520,4523	CFHXSQ102J50
	C	4422,4509,4521,4522	CFHXSQ103J16
C	C	4428,4528,4628,4728	CCH1814
	C	4459,4460,4559,4560	ACE7108
	C	4466,4467,4566,4567	CEAK101M16
	C	4500,4600,4700,4800	CFTLA104J2A
	C	4501,4601,4701,4801	CFTLA474J2A
C	C	4508,4608,4708,4738	ACH7320
	C	4519,4619,4719,4819	ACE7133
	C	4526,4626,4726,4826	CFHXSQ101J50
	C	4530,4534,4536,4630	ACH7377
	C	4549,4550,4649,4650	ACH7359
C	C	4556,4656,4756,4856	ACE7097
	C	4561,4575,4661,4675	ACE7130
	C	4580,4680,4780,4880	ACE7096
	C	4609,4621,4622,4709	CFHXSQ103J16
	C	4620,4623,4720,4723	CFHXSQ102J50

C	C	4634,4636,4730,4734	ACH7377
	C	4659,4660,4759,4760	ACE7108
	C	4666,4667,4766,4767	CEAK101M16
	C	4714,4721,4722,4809	CFHXSQ103J16
	C	4736,4830,4834,4836	ACH7377
C	C	4749,4750,4849,4850	ACH7359
	C	4761,4775,4861,4875	ACE7130
	C	4808,4908	ACH7320
	C	4816,4916	ACH7389
	C	4820,4823,4920,4923	CFHXSQ102J50
C	C	4821,4822,4909,4921	CFHXSQ103J16
	C	4828,4928	CCH1814
	C	4859,4860,4959,4960	ACE7108
	C	4866,4867,4966,4967	CEAK101M16
	C	4900	CFTLA104J2A
C	C	4901	CFTLA474J2A
	C	4919	ACE7133
	C	4922,5186	CFHXSQ103J16
	C	4926	CFHXSQ101J50
	C	4930,4934,4936	ACH7377
C	C	4949,4950	ACH7359
	C	4956	ACE7097
	C	4961,4975	ACE7130
	C	4971,5071	CEAK100M50
	C	4980,5080,5180	ACE7096
C	C	5000	CFHXSQ102J50
	C	5184	ACH7388

**S** **D AMP ASSY (SC-LX89)**  
**SEMICONDUCTORS**

IC	4001	BU7262SFVM
IC	4003	NJM78M05DL1A
IC	4004	TC74VHC08AFK51
IC	4005	TA76L431FB
IC	4007	BU4094BCFV

5			6			7			8		
Mark	No.	Description	Part No.	Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
△	IC	4008	NJM78M06DL1A								
△	IC	4009	NJM79M06DL1A								
	IC	4100,4200,4300,4400	TLC071IDR								
△	IC	4101,4201,4301,4401	IRS20957SPBFS1		D	4017,4021	DZ2J180M0				
	IC	4202,4402,4602,4702	NJM4585M		D	4102,4202,4302,4402	DZ2J130M0				
	IC	4500,4600,4700,4800	TLC071IDR		D	4108,4109,4208,4209	RF101L2S				A
△	IC	4501,4601,4701,4801	IRS20957SPBFS1		D	4116,4119,4216,4219	1SS355				
	IC	4802	NJM4585M		D	4117,4217,4317,4417	RF071M2S				
	IC	4900	TLC071IDR		D	4118,4218,4318,4418	CMH07				
△	IC	4901	IRS20957SPBFS1		D	4308,4309,4408,4409	RF101L2S				
	IC	4905	TC7SET08FUS1		D	4316,4319,4416,4419	1SS355				
Q	Q	4000,4002,4003,4036	DTC124EUA		D	4502,4602,4702,4802	DZ2J130M0				
Q	Q	4001,4020,4026,4030	2SA1576A		D	4508,4509,4608,4609	RF101L2S				
Q	Q	4004,4006,4008,4010	DTA124EUA		D	4516,4519,4616,4619	1SS355				
Q	Q	4005,4007,4009,4011	DTC114TUA		D	4517,4617,4717,4817	RF071M2S				
	Q	4012,4013,4035	HN1A01FU		D	4518,4618,4718,4818	CMH07				
	Q	4014,4016,4027-4029	HN1C01FU		D	4708,4709,4808,4809	RF101L2S				B
	Q	4015,4017,4021-4023	2SC4081		D	4716,4719,4816,4819	1SS355				
	Q	4018,4031	DTA124EUA		D						
	Q	4019,4032	DTC114TUA		D						
	Q	4024	2SC3906K								
	Q	4025,4037,4038	2SC4081								
△	Q	4100,4200,4300,4400	2SD2704K		<b>MISCELLANEOUS</b>						
	Q	4101,4102,4201,4202	IRF6775MPBFS1		L	4100,4200,4300,4400 OTHER COIL	ATH7090				
	Q	4103-4106,4108,4117	2SC4081		L	4500,4600,4700,4800 OTHER COIL	ATH7090				
	Q	4107,4111,4114,4207	2SA1576A		L	4900 OTHER COIL	ATH7090				
△	Q	4109,4209,4309,4409	2SC2412K		JA	4101 SP TERMINAL 6-P(V0)	AKE7148				
	Q	4110,4210,4310,4410	2SA1514K		JA	4301,4501 SP TERMINAL 4-P(V0)	AKE7147				C
	Q	4112,4312,4512,4712	2SC2412K		JA	4901,5101 SP TERMINAL 4-P(V0)	AKE7147				
	Q	4203-4206,4208,4217	2SC4081		KN	4000 WRAPPING TERMINAL	CKF1089				
	Q	4211,4214,4307,4311	2SA1576A		KN	4100,4200,4300,4400 SCREW PLATE	VNE1948				
△	Q	4301,4302,4401,4402	IRF6775MPBFS1		KN	4500,4900 SCREW PLATE	VNE1948				
	Q	4303-4306,4308,4317	2SC4081		RY	4100,4300,4500,4700 RELAY	XSR3015				
	Q	4314,4407,4411,4414	2SA1576A		RY	4900,5000 RELAY	XSR3015				
	Q	4403-4406,4408,4417	2SC4081		CN	4000 CONNECTOR	9604S-19C				
	Q	4500,4600,4700,4800	2SD2704K		CN	4001 PLUG	CKS-557				
△	Q	4501,4502,4601,4602	IRF6775MPBFS1		CN	4002 PLUG(2P)	KM200NA2				D
	Q	4503-4506,4508,4517	2SC4081		CN	4003 PLUG(4P)	KM200NA4				
	Q	4507,4511,4514,4607	2SA1576A		CN	4004 PLUG(7P)	KM200NA7				
△	Q	4509,4609,4709,4809	2SC2412K		CN	4100,4200,4300,4400 5P PLUG	KM200IB5				
	Q	4510,4610,4710,4810	2SA1514K		CN	4500,4600,4700,4800 5P PLUG	KM200IB5				
	Q	4603-4606,4608,4617	2SC4081								
	Q	4611,4614,4707,4711	2SA1576A		<b>RESISTORS</b>						
△	Q	4701,4702,4801,4802	IRF6775MPBFS1		R	4000,4027,4078,4079	RS1/10SR1802F				
	Q	4703-4706,4708,4717	2SC4081		R	4007,5053,5099,5152	RS1/4SA100J				
	Q	4714,4807,4811,4814	2SA1576A		R	4057	RS1/8SQ471J				
	Q	4803-4806,4808,4817	2SC4081		R	4060	RS1/10SR5602F				
	Q	4900	2SD2704K		R	4061	RS1/10SR3302F				E
△	Q	4901,4902	IRF6775MPBFS1		R	4083,4128,4228,4328	RS1/4SA222J				
	Q	4903-4906,4908,4917	2SC4081		R	4090	RS1/10SR1802F				
	Q	4907,4911,4914	2SA1576A		R	4102-4105,4202-4205	RS1/10SR8201D				
△	Q	4909	2SC2412K		R	4107,4207,4307,4407	ACE7096				
	Q	4910	2SA1514K		R	4109,4209,4309,4409	RS1/8SQ331J				
	Q	4912,5012,5013,5015	2SC2412K		R	4110,4210,4310,4410	RS1/8SQ223J				
	Q	5014,5016	2SC4081		R	4111,4211,4311,4411	RS1/10SR4700F				
	Q	5018,5020,5022	HN1K02FU		R	4112,4212,4312,4412	RS1/8SQ473J				
D	D	4005,4016,4022,4023	1SS355		R	4115,4215,4315,4415	ACN7192				
D	D	4011,4012	DAN202U		R	4116,4190,4216,4290	ACN7218				
D	D	4013,4014,4018,4019	DZ2J240M0		R	4119,4122,4123,4167	RS1/10SR1001F				F
D	D	4015,4020	DZ2J270M0		R	4120,4220,4320,4420	RS1/10SR1800F				
					R	4125,4126,4225,4226	ACN7094				

**Mark No. Description**

**Part No.**

**Mark No. Description**

**Part No.**

A

R 4129,4229,4329,4429  
 R 4130,4134,4230,4234  
 R 4131,4231,4331,4431  
 R 4132,4232,4332,4432  
 R 4133,4144,4233,4244  
 R 4135,4235,4335,4435  
 R 4136,4236,4336,4436

RS1/8SQ222J  
 RS1/8SQ103J  
 RS1/8SQ123J  
 RS1/8SQ133J  
 ACN7197  
 RS1/8SQ752J  
 RS1/8SQ242J

R 4510,4610,4710,4810  
 R 4511,4611,4711,4811  
 R 4512,4612,4712,4812  
 R 4515,4615,4715,4815  
 R 4516,4590,4616,4690  
 R 4519,4522,4523,4567  
 R 4520,4620,4720,4820  
 R 4525,4526,4625,4626

RS1/8SQ223J  
 RS1/10SR4700F  
 RS1/8SQ473J  
 ACN7192  
 ACN7218  
 RS1/10SR1001F  
 RS1/10SR1800F  
 ACN7094

B

R 4137,4141,4237,4241  
 R 4138,4238,4338,4438  
 R 4139,4193,4239,4293  
 R 4140,4240,4340,4440  
 R 4142,4143,4242,4243

ACN7165  
 RS1/8SQ8R2J  
 RS1/8SQ1R2J  
 RS1/4SA270J  
 ACN7189

R 4529,4629,4729,4829  
 R 4530,4534,4630,4634  
 R 4531,4631,4731,4831  
 R 4532,4632,4732,4832  
 R 4533,4544,4633,4644

RS1/8SQ222J  
 RS1/8SQ103J  
 RS1/8SQ123J  
 RS1/8SQ133J  
 ACN7197

B

R 4145,4245,4345,4445  
 R 4148,4248,4348,4448  
 R 4150,4250,4350,4450  
 R 4151,4194,4251,4294  
 R 4152,4252,4352,4452

RS1/10SR8201F  
 RS1/10SR3001F  
 RS1/10SR1100F  
 ACN7196  
 RS1/10SR6802F

R 4535,4635,4735,4835  
 R 4536,4636,4736,4836  
 R 4537,4541,4637,4641  
 R 4538,4638,4738,4838  
 R 4539,4593,4639,4693

RS1/8SQ752J  
 RS1/8SQ242J  
 ACN7165  
 RS1/8SQ8R2J  
 RS1/8SQ1R2J

B

R 4154,4254,4354,4454  
 R 4155,4255,4355,4455  
 R 4156,4256,4356,4456  
 R 4157,4257,4357,4457  
 R 4162,4262,4362,4462

ACN7186  
 RS1/10SR1003F  
 RS1/10SR2402F  
 RS1/10SR2203F  
 RS1/4SA123J

R 4540,4640,4740,4840  
 R 4542,4543,4642,4643  
 R 4545,4645,4745,4845  
 R 4548,4648,4748,4848  
 R 4550,4650,4750,4850

RS1/4SA270J  
 ACN7189  
 RS1/10SR8201F  
 RS1/10SR3001F  
 RS1/10SR1100F

C

R 4163,4263,4363,4463  
 R 4166,4266,4366,4466  
 R 4168,4268,4368,4468  
 R 4169,4269,4369,4469  
 R 4176,4177,4276,4277

RS1/10SR2701F  
 RS1/10SR1002F  
 RS1/10SR7502F  
 RS1/10SR3902F  
 RS1/4SA2R4J

R 4551,4594,4651,4694  
 R 4552,4652,4752,4852  
 R 4554,4654,4754,4854  
 R 4555,4655,4755,4855  
 R 4556,4656,4756,4856

ACN7196  
 RS1/10SR6802F  
 ACN7186  
 RS1/10SR1003F  
 RS1/10SR2402F

B



R 4178,4179,4278,4279  
 R 4181,4281,4381,4481  
 R 4183,4383,4583,4883  
 R 4186,4286,4386,4486  
 R 4187,4188,4287,4288

RS1/4SA2R2J  
 NTCG104KF104FB  
 RS1/4SA390J  
 RS1/8SQ151J  
 ACN7180

R 4557,4657,4757,4857  
 R 4562,4662,4762,4862  
 R 4563,4663,4763,4863  
 R 4566,4666,4766,4866  
 R 4568,4668,4768,4868

RS1/10SR2203F  
 RS1/4SA123J  
 RS1/10SR2701F  
 RS1/10SR1002F  
 RS1/10SR7502F

D

R 4191,4291,4391,4491  
 R 4192,4292,4392,4492  
 R 4195,4196,4295,4296  
 R 4197,4198,4297,4298  
 R 4219,4222,4223,4267

RS1/8SQ823J  
 RS1/8SQ105J  
 RS1/8SQ2R2J  
 RS1/8SQ3R0J  
 RS1/10SR1001F



R 4569,4669,4769,4869  
 R 4576,4577,4676,4677  
 R 4578,4579,4678,4679  
 R 4581,4681,4781,4881  
 R 4586,4686,4786,4886

RS1/10SR3902F  
 RS1/4SA2R4J  
 RS1/4SA2R2J  
 NTCG104KF104FB  
 RS1/8SQ151J

B

R 4283,4483,4683,4983  
 R 4302-4305,4402-4405  
 R 4316,4390,4416,4490  
 R 4319,4322,4323,4367  
 R 4325,4326,4425,4426

RS1/4SA470J  
 RS1/10SR8201D  
 ACN7218  
 RS1/10SR1001F  
 ACN7094

R 4587,4588,4687,4688  
 R 4591,4691,4791,4891  
 R 4592,4692,4792,4892  
 R 4595,4596,4695,4696  
 R 4597,4598,4697,4698

ACN7180  
 RS1/8SQ823J  
 RS1/8SQ105J  
 RS1/8SQ2R2J  
 RS1/8SQ3R0J

E

R 4330,4334,4430,4434  
 R 4333,4344,4433,4444  
 R 4337,4341,4437,4441  
 R 4339,4393,4439,4493  
 R 4342,4343,4442,4443

RS1/8SQ103J  
 ACN7197  
 ACN7165  
 RS1/8SQ1R2J  
 ACN7189

R 4619,4622,4623,4667  
 R 4702-4705,4802-4805  
 R 4716,4790,4816,4890  
 R 4719,4722,4723,4767  
 R 4725,4726,4825,4826

RS1/10SR1001F  
 RS1/10SR8201D  
 ACN7218  
 RS1/10SR1001F  
 ACN7094

B

R 4351,4394,4451,4494  
 R 4376,4377,4476,4477  
 R 4378,4379,4478,4479  
 R 4387,4388,4487,4488  
 R 4395,4396,4495,4496

ACN7196  
 RS1/4SA2R4J  
 RS1/4SA2R2J  
 ACN7180  
 RS1/8SQ2R2J

R 4730,4734,4830,4834  
 R 4733,4744,4833,4844  
 R 4737,4741,4837,4841  
 R 4739,4793,4839,4893  
 R 4742,4743,4842,4843

RS1/8SQ103J  
 ACN7197  
 ACN7165  
 RS1/8SQ1R2J  
 ACN7189

F

R 4397,4398,4497,4498  
 R 4419,4422,4423,4467  
 R 4428,4528,4628,4728  
 R 4447,5006-5008,5010  
 R 4502-4505,4602-4605

RS1/8SQ3R0J  
 RS1/10SR1001F  
 RS1/4SA222J  
 RS1/4SA105J  
 RS1/10SR8201D

R 4751,4794,4851,4894  
 R 4776,4777,4876,4877  
 R 4778,4779,4878,4879  
 R 4787,4788,4887,4888  
 R 4795,4796,4895,4896

ACN7196  
 RS1/4SA2R4J  
 RS1/4SA2R2J  
 ACN7180  
 RS1/8SQ2R2J

R 4507,4607,4707,4807  
 R 4509,4609,4709,4809

ACE7096  
 RS1/8SQ331J

R 4797,4798,4897,4898

RS1/8SQ3R0J

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.	
R	4819,4822,4823,4867		RS1/10SR1001F	R	5092		RS1/8SQ100J	
R	4828,4928,5037		RS1/4SA222J	R	5094		RS1/4SA224J	
R	4902-4905		RS1/10SR8201D	R	5100,5104,5108,5112		RS1/4SA104J	
R	4907,5059,5159		ACE7096	R	5116,5120,5124,5128		RS1/4SA104J	
R	4909,5038,5052		RS1/8SQ331J	R	5132		RS1/4SA104J	
R	4910,5015,5023		RS1/8SQ223J	R	5141-5149		RS1/4SA183J	
R	4911		RS1/10SR4700F	R	5153,5155		RS1/4SA390J	
R	4912,5017,5025		RS1/8SQ473J	R	5154,5156		RS1/4SA470J	
R	4915		ACN7192	R	5157,5168,5182		RS1/4SA100J	
R	4916,4990		ACN7218	Other Resistors				RS1/10SR###J
R	4919,4922,4923,4967		RS1/10SR1001F	<b>CAPACITORS</b>				
R	4920		RS1/10SR1800F	C	4008,4010,4036,4052		CEAK101M16	
R	4925,4926		ACN7094	C	4009		CCSRCH150J50	
R	4929,5039,5040,5063		RS1/8SQ222J	C	4013,4044,4048		ACE7107	
R	4930,4934,5029,5030		RS1/8SQ103J	C	4016		CCSRCH120J50	
R	4931		RS1/8SQ123J	C	4022		ACE7090	
R	4932		RS1/8SQ133J	C	4023,5185		CEHVW100M16	
R	4933,4944		ACN7197	C	4024		ACH1479	
R	4935		RS1/8SQ752J	C	4025		ACE7100	
R	4936		RS1/8SQ242J	C	4026,4029,4035,4073		CFHXSQ103J16	
R	4937,4941		ACN7165	C	4040,4128,4228,4328		CCH1814	
R	4938		RS1/8SQ8R2J	C	4045,4067,4068,4085		ACE7101	
R	4939,4993		RS1/8SQ1R2J	C	4053,4081,4166,4167		CEAK101M16	
R	4940		RS1/4SA270J	C	4057-4062		ACH7400	
R	4942,4943		ACN7189	C	4063,4116,4216,4316		ACH7389	
R	4945		RS1/10SR8201F	C	4065,4066,4069,4070		ACH7388	
R	4948		RS1/10SR3001F	C	4074,4109,4121,4122		CFHXSQ103J16	
R	4950		RS1/10SR1100F	C	4077		ACE7112	
R	4951,4994		ACN7196	C	4078,4079,4159,4160		ACE7108	
R	4952		RS1/10SR6802F	C	4083,4084		ACE7082	
R	4954		ACN7186	C	4091		CFHXS101J16	
R	4955		RS1/10SR1003F	C	4097		CCSRCH100D50	
R	4956		RS1/10SR2402F	C	4098,4099,4120,4123		CFHXSQ102J50	
R	4957		RS1/10SR2203F	C	4100,4200,4300,4400		CFTLA104J2A	
R	4962		RS1/4SA123J	C	4101,4201,4301,4401		CFTLA474J2A	
R	4963		RS1/10SR2701F	C	4108,4208,4308,4408		ACH7320	
R	4966,5001		RS1/10SR1002F	C	4119,4219,4319,4419		ACE7133	
R	4968		RS1/10SR7502F	C	4126,4226,4326,4426		CFHXSQ101J50	
R	4969		RS1/10SR3902F	C	4130,4134,4136,4230		ACH7377	
R	4976,4977		RS1/4SA2R4J	C	4149,4150,4249,4250		ACH7359	
R	4978,4979		RS1/4SA2R2J	C	4156,4256,4356,4456		ACE7097	
⚠	4981		NTCG104KF104FB	C	4161,4175,4261,4275		ACE7130	
R	4986		RS1/8SQ151J	C	4171,4371,4571,4771		CEAK100M50	
R	4987,4988,5003,5004		ACN7180	C	4180,4280,4380,4480		ACE7096	
R	4991		RS1/8SQ823J	C	4209,4221,4222,4309		CFHXSQ103J16	
R	4992,5183-5187		RS1/8SQ105J	C	4220,4223,4320,4323		CFHXSQ102J50	
R	4995,4996		RS1/8SQ2R2J	C	4234,4236,4330,4334		ACH7377	
R	4997,4998		RS1/8SQ3R0J	C	4259,4260,4359,4360		ACE7108	
R	5000		RS1/10SR1001F	C	4266,4267,4366,4367		CEAK101M16	
R	5009		RS1/4SA751J	C	4321,4322,4409,4421		CFHXSQ103J16	
R	5011,5018		RS1/8SQ563J	C	4336,4430,4434,4436		ACH7377	
R	5012,5016,5020,5021		RS1/8SQ104J	C	4349,4350,4449,4450		ACH7359	
R	5013,5019		RS1/8SQ224J	C	4361,4375,4461,4475		ACE7130	
R	5014,5022		RS1/8SQ683J	C	4416,4516,4616,4716		ACH7389	
R	5024		RS1/8SQ104J	C	4420,4423,4520,4523		CFHXSQ102J50	
R	5026		ACN7180	C	4422,4509,4521,4522		CFHXSQ103J16	
R	5041		RS1/4SA1R5J	C	4428,4528,4628,4728		CCH1814	
R	5066		RS1/8SQ222J	C	4459,4460,4559,4560		ACE7108	
R	5068,5071		RS1/4SA331J	C	4466,4467,4566,4567		CEAK101M16	
				C	4500,4600,4700,4800		CFTLA104J2A	

Mark	No.	Description	Part No.
	C	4501,4601,4701,4801	CFTLA474J2A
A	C	4508,4608,4708,4738	ACH7320
	C	4519,4619,4719,4819	ACE7133
	C	4526,4626,4726,4826	CFHXSQ101J50
	C	4530,4534,4536,4630	ACH7377
	C	4549,4550,4649,4650	ACH7359
	C	4556,4656,4756,4856	ACE7097
	C	4561,4575,4661,4675	ACE7130
	C	4580,4680,4780,4880	ACE7096
	C	4609,4621,4622,4709	CFHXSQ103J16
	C	4620,4623,4720,4723	CFHXSQ102J50
B	C	4634,4636,4730,4734	ACH7377
	C	4659,4660,4759,4760	ACE7108
	C	4666,4667,4766,4767	CEAK101M16
	C	4714,4721,4722,4809	CFHXSQ103J16
	C	4736,4830,4834,4836	ACH7377
	C	4749,4750,4849,4850	ACH7359
	C	4761,4775,4861,4875	ACE7130
	C	4808,4908	ACH7320
	C	4816,4916	ACH7389
	C	4820,4823,4920,4923	CFHXSQ102J50
C	C	4821,4822,4909,4921	CFHXSQ103J16
	C	4828,4928	CCH1814
	C	4859,4860,4959,4960	ACE7108
	C	4866,4867,4966,4967	CEAK101M16
	C	4900	CFTLA104J2A
	C	4901	CFTLA474J2A
	C	4919	ACE7133
	C	4922,5186	CFHXSQ103J16
	C	4926	CFHXSQ101J50
	C	4930,4934,4936	ACH7377
	C	4949,4950	ACH7359
	C	4956	ACE7097
	C	4961,4975	ACE7130
D	C	4971,5071	CEAK100M50
	C	4980,5080,5180	ACE7096
	C	5000	CFHXSQ102J50
	C	5184	ACH7388

## T PRIMARY ASSY (SC-99,SC-97)

### SEMICONDUCTORS

	△	IC 1	STR2A153
	△	IC 52	NJM1431AF
		Q 71	2SD2704K
E	△	D 1	D2SB60A
	△	D 2,5	SARS01LF-F7
	△	D 3	SJPL-D2
		D 4	KDZ36B
	△	D 50	FMEN-220A
		D 71,72	1SS355

### MISCELLANEOUS

	△	L 1	LINE FILTER	ATF7046
		L 51	COIL	ATH7080
	△	L 71	LINE FILTER	XTF3004
		H 1,2,71,72	FUSE CLIP	AKR1004
F	△	JA 71	AC INLET ASSY	ADX7513
		KN 1,2	SCREW PLATE	VNE1948
		KN 50,52	EARTH TERMINAL	AKF7002

Mark	No.	Description	Part No.	
	△	RY 71	POWER RELAY	ASR7034
	△	T 1	POWER TRANSFORMER	ATK7006
	△	CN 81	CONNECTOR	B2P3-VH
		1	HEAT SINK(AL)	ANH7224
		2	SCREW	BBZ30P080FCC
		JP 51	HOUSING	ADX7812
	△	PC 1	PHOTO COUPLER	TLP781

### RESISTORS

	R	1	RS1LMF680J
	R	2	ACN7200
	R	3	RS1LMFR68J
	R	5	RS1/8SQ120J
	R	6	RS1/8SQ102J
	△	R 9-11	ACN7173
	R	53	RS1/10SR3001F
	R	54	RS1/10SR7501F
	R	56	RS1/10SR8201F
	R	57	ACN7180
	R	74,75	RS1/8SQ105J
		Other Resistors	RS1/10SR###J

### CAPACITORS

	△	C 1	ACE7071
		C 3	ACH7342
		C 4	ACE7095
		C 5	ACH7385
		C 6	ACG7112
	△	C 12,21	VCG1046
		C 52	BCH1044
		C 53	CKSRVB104K50
		C 56	ACE7100
		C 58	ACH7369
		C 61	CCSRCH100D50
		C 62	DGH1330
		C 66	CCSQCH330J50
	△	C 73	XCG3010
		C 74,75	CCSRCH220J50

## U PRIMARY SHIELD ASSY (SC-97,SC-LX79)

### MISCELLANEOUS

KN 5751	SCREW PLATE	VNE1948
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## V REG ASSY (SC-99)

### SEMICONDUCTORS

	△	IC 7501,7611	NJM78M12FA
	△	IC 7502	NJM79M12FA
	△	IC 7601	NJM78M05FA
	△	D 7501-7504,7611-7613	1SR154-400
		D 7505,7506	1SS355
	△	D 7601	D3SBA60
	△	D 7621-7623	1SR154-400
		D 7624,7627	DZ2J051M0
		D 7625	PTZ22

### MISCELLANEOUS

H 7501-7504,7601-7604	FUSE CLIP	AKR1004
CN 7501,7601	5P TOP POST	B5B-EH
CN 7502	PLUG(5P)	KM200NA5
CN 7602	PLUG(7P)	KM200NA7
CN 7603	PLUG(4P)	KM200NA4

Mark	No.	Description	Part No.
		JH 7502,7602 PCB BINDER	AEF7008
<b>RESISTORS</b>			
R	7621		RS1/10SR473J
R	7622		RD1/4MUF391J
R	7624,7625,7631,7634		RS1/4SA105J
	Other Resistors		RS1/8SQ###J
<b>CAPACITORS</b>			
C	7501,7511		CEAK332M25
C	7504-7506,7609		CFTLA394J50
C	7507,7508,7623		CEAK221M35
C	7601		CEAK472M16
C	7605,7624		CEAK101M16
C	7611		CEAK102M35
C	7612		CEAK471M35
C	7614		CEAK100M50
C	7621		ACH7358
C	7622		CEAK101M35
C	7625		CEAK101M50
C	7627		CCSQCH101J50
C	7629		CFTLA104J50
C	7632		RS1/8SQ225J

## **W** IR REG\_M ASSY (SC-99)

### **SEMICONDUCTORS**

△	IC	7251	NJM78M12FA
△	IC	7252	NJM79M12FA
△	IC	7271	NJM78M08FA
△	IC	7272	NJM79M08FA
△	IC	7273	NJM78M15FA

	Q	7203,7204,7207,7221	DTC124EUA
	Q	7205,7206,7224	DTA124EUA
△	Q	7211	2SD2400A
△	Q	7212	2SB1569A
	Q	7222	DTA143EUA

	Q	7223,7225,7226	DTC124EUA
	D	7213,7214	DZ2J075M0
	D	7215,7216	1SR154-400
	D	7219,7220	1SS355
△	D	7251-7254,7271-7274	1SR154-400

### **MISCELLANEOUS**

H	7201-7204,7251-7254	FUSE CLIP	AKR1004
	CN7201	8P TOP POST	B8B-EH
	CN7251	PLUG(7P)	KM200NA7
	CN7271	PLUG(4P)	KM200NA4
	CN7291	PLUG(3P)	KM200NA3

	JH 7251-7253	PCB BINDER	AEF7008
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### **RESISTORS**

R	7211,7213		RD1/4MUF102J
R	7255		RS1/8SQ1R5J
R	7256		RS1/8SQ1R0J
R	7258,7259,7273		RS1/4SA105J
R	7272		ACN7180

R	7274		RS1/4SA102J
	Other Resistors		RS1/10SR###J

### **CAPACITORS**

C	7213,7214		CEAK101M16
C	7215,7219		CEAK100M50

Mark	No.	Description	Part No.
C	7221		CEAK470M25
C	7222,7294		CCSQCH471J50
C	7250		CFTLA394J50
C	7251,7252		CEAK222M25
C	7255,7256,7298		CEAK221M35
C	7270		CFTLA474J2A
C	7271,7272		CEAK222M16
C	7275,7276		CEAK221M16
C	7277,7278		ACE7097

## **X** B DIODE ASSY (SC-99,SC-LX89)

### **SEMICONDUCTORS**

△	D	7400,7401	LN6SB60-4003
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### **MISCELLANEOUS**

CN	7400	PLUG	CKS-556
CN	7401	PLUG	CKS-557
	7400,7401	HEAT SINK	ANH7250
	7402,7403	SCREW	IBZ30P080FCC

### **RESISTORS**

R	7402		RD1/4MUF100J
R	7403,7404		ACN7180
	Other Resistors		RS1/4SA###J

### **CAPACITORS**

C	7400,7401		ACH7319
C	7402,7403		CFTLA104J2A

## **Y** CONNECT\_M ASSY (SC-99,SC-97)

### **MISCELLANEOUS**

CN	7951	B TO B CONNECTOR	AKM7225
CN	7952	B TO B CONNECTOR	AKM7222
CN	7953	B TO B 13PIN JACK	AKN7068
CN	7954	B TO B 19PIN JACK	AKN7071

### **RESISTORS**

	All Resistors		RS1/10SR###J
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### **CAPACITORS**

C	7951		CCSRCH100D50
C	7956		CCSRCH5R0C50

## **Z** FB CONNECT ASSY

### **MISCELLANEOUS**

CN	7681	7P SOCKET	KP200IB7L
CN	7682	B TO B 17PIN JACK	AKN7070
CN	7683	7P PLUG	KM200IB7
CN	7684	B TO B 17PIN PLUG	AKM7104

### **RESISTORS**

	All Resistors		RS1/10SR###J
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## **AA** PRE BRIDGE\_M ASSY

### **MISCELLANEOUS**

CN	6951,6952	24P PLUG	AKM7173
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Mark No. Description Part No.

**AB** A-DAC BRIDGE ASSY

MISCELLANEOUS

CN 3791,3792 20P PLUG AKM7171  
CN 3793,3794 B TO B CONNECTOR AKM7176

**AC** D-AUDIO BRIDGE ASSY

MISCELLANEOUS

CN 3771,3772 24P PLUG AKM7173

**AD** D-DAC BRIDGE ASSY

MISCELLANEOUS

CN 3781-3784 PLUG (30P) BKM1035

**AE** FRONT BRIDGE ASSY

MISCELLANEOUS

CN 7721 7P SOCKET KP200IB7L  
CN 7722 B TO B 17PIN JACK AKN7070  
CN 7723 PLUG(3P) KM200NA3  
CN 7724 CONNECTOR 9604S-15C

RESISTORS

All Resistors RS1/10SR###J

MISCELLANEOUS

JH 7721 PCB BINDER AEF7008  
JP 7725 7P HOUSING ASSY ADX7729

CAPACITORS

C 7721,7724 CCSRCH101J50  
C 7722,7725 CCSRCH331J50

**AF** DISPLAY BRIDGE ASSY (SC-99,SC-LX89)

SEMICONDUCTORS

IC 7901 S-80842CNMC-B83  
IC 7902 MM3411A50N  
IC 7903 S-80848CNMC-B89  
Q 7901 2SA1037K  
D 7901 DAN202U  
  
D 7902 1SS355

MISCELLANEOUS

KN 7901 EARTH TERMINAL AKF7002  
CN 7902,7903 39P CONNECTOR VKN2097  
JH 7901,7902 PCB BINDER AEF7008

RESISTORS

R 7903,7907 RS1/8SQ105J  
R 7921 RS1/8SQ224J  
Other Resistors RS1/10SR###J

CAPACITORS

C 7905 CCSQCH331J50  
C 7906 CKSQYB103K50  
C 7920,7921,7924 CCSRCH100D50  
C 7927 CCSQCH101J50  
C 7928 CKSQYB104K50

Mark No. Description Part No.

**AG** F-IN BRIDGE ASSY

SEMICONDUCTORS

Q 7161 2SC4081  
D 7161,7162 1SS355

MISCELLANEOUS

CN 7661 B TO B 15PIN JACK AKN7069  
CN 7662 7P SOCKET KP200IB7L  
CN 7663 CONNECTOR 9604S-15C  
CN 7664 L-PLUG(7P) KM200NA7L  
CN 7671,7672 18P PLUG AKM7050

JH 7661 PCB BINDER AEF7008

RESISTORS

R 7667 RS1/4SA105J  
Other Resistors RS1/10SR###J

CAPACITORS

C 7168,7175 CCSRCH101J50  
C 7171 CCSRCH330J50

**AH** MCH BRIDGE ASSY (SC-99,SC-LX89)

MISCELLANEOUS

CN 7671,7672 18P PLUG AKM7050

RESISTORS

All Resistors RS1/10SR###J

**AI** A REG BRIDGE ASSY (SC-99, SC-LX89)

MISCELLANEOUS

CN 5775 PLUG(5P) KM200NA5  
JH 5775,5776 PCB BINDER AEF7008  
JP 5775 HOUSING ADX7773

RESISTORS

All Resistors RS1/8SQ###J

**AJ** MIC HP GUARD ASSY

MISCELLANEOUS

JH 5921,5924 PCB BINDER AEF7008

**AK** FAN CONNECT ASSY

MISCELLANEOUS

CN 5931,5932 PLUG(3P) KM200NA3  
JH 5931,5932 PCB BINDER AEF7008

**AL** BIND DM CABLE\_M ASSY

MISCELLANEOUS

JH 3551 PCB BINDER AEF7008

**AM** BIND B CABLE ASSY

BIND B CABLE ASSY has no service parts.



**Mark No. Description Part No.**

**AN FFC GUARD\_M ASSY**

FFC GUARD\_M ASSY has no service parts.

A

**AO VREG GUARD ASSY**

VREG GUARD ASSY has no service parts.

**AP PANEL GUARD ASSY**

PANEL GUARD ASSY has no service parts.

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B

C

D

E

F