

STR-V5550/V7770

SERVICE MANUAL

*E Model
Chinese Model*



This set is the tuner and amplifier section in MHC-V5550/V7770AV.

Photo : STR-V7770

SPECIFICATIONS

Amplifier section

The following measured at AC 230V 50/60 Hz

DIN power output (Rated) (FRONT)

95 + 95W (6 Ω at 1kHz DIN)

Continuous RMS power output (Reference)

FRONT SPEAKER: 110 + 110W

(6 Ω at 1kHz, 10% THD)

CENTER SPEAKER: 55W

(8 Ω at 1kHz, 10% THD) (V7770)

REAR SPEAKER: 35 + 35W

(8 Ω at 1kHz, 10% THD) (V7770)

The following measured at AC 120, 220, 240V 50/60Hz

DIN power output (Rated) (FRONT)

100 + 100W (6 Ω at 1kHz DIN)

Continuous RMS power output (Reference)

FRONT SPEAKER: 120 + 120 W

(6 Ω at 1kHz, 10% THD)

CENTER SPEAKER: 60W

(8 Ω at 1kHz, 10% THD) (V7770)

REAR SPEAKER: 40 + 40W

(8 Ω at 1kHz 10% THD) (V7770)

Peak music power output 2400W (V7770)

2000W (V5550)

Inputs

MD/VIDEO 1 IN (phone jacks): voltage

450/250mV, impedance 47k Ω

AV INPUT AUDIO (phone jacks): voltage

250mV, impedance 47k Ω

MIX MIC 1/2 (phone jack): sensitivity 1mV,
impedance 10k Ω

Output

MD/VIDEO 1 OUT (phono jacks): voltage

450/250mV, impedance 1k Ω

PHONES (stereo phone jack): accepts
headphones of 8 Ω or more.

FRONT SPEAKER:

accepts impedance of 6 to 16 Ω

CENTER SPEAKER:

accepts impedance of 8 to 16 Ω (V7770)

REAR SPEAKER:

accepts impedance of 8 to 16 Ω

SUPER WOOFER:

Voltage 1V, impedance 1k Ω

Tuner section

FM stereo, FM/AM superheterodyne tuner

FM tuner section

Tuning range 87.5 – 108.0MHz

Aerial FM lead aerial

Aerial terminals 75 Ω unbalanced

Intermediate frequency 10.7MHz

AM tuner section

Tuning range

Thai models:

531 – 1,602kHz (with the AM tuning
interval set at 9kHz)

530 – 1,710kHz (with the AM tuning
interval set at 10kHz)

Other models:

MW: 531 – 1,602kHz (with the MW tuning
interval set at 9kHz)

530 – 1,710kHz (with the MW tuning
interval set at 10kHz)

SW: 5.95 – 17.90MHz (with the SW tuning
interval set at 5kHz)

Intermediate frequency

450kHz

Antenna

AM loop antenna External antenna terminal

General

Power requirements

Chinese, Thai models:

220V AC, 50/60Hz

Other models:

120V or 220V or 230 – 240, 50/60Hz

Adjustable with voltage selector

Power consumption

300W

Dimensions (w/h/d)

Approx. 288 × 205 × 375mm

Mass

Approx. 8.8kg

Design and specifications are subject to change without notice.

FM STEREO/FM-AM RECEIVER



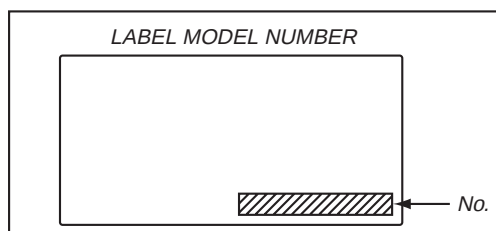
SONY®

TABLE OF CONTENTS

1. GENERAL	3
2. DISASSEMBLY	
2-1. Sliding Panel Assembly	5
3. SERVICE MODE	6
4. DIAGRAMS	
4-1. Circuit Boards Location	10
4-2. Block Diagrams	
• Main Section	11
• Power Section	13
4-3. Printed Wiring Board – Main Section –	17
4-4. Schematic Diagram	
– Main (1/2) Section (V5550 Model) –	19
4-5. Schematic Diagram	
– Main (1/2) Section (V7770 Model) –	21
4-6. Schematic Diagram – Main (2/2) Section –	23
4-7. Schematic Diagram – Power Amp Section –	25
4-8. Printed Wiring Board – Power Amp Section –	27
4-9. Schematic Diagram – Display Section –	29
4-10. Printed Wiring Board – Display Section –	31
4-11. Schematic Diagram – Sliding Panel Section –	33
4-12. Printed Wiring Board – Sliding Panel Section –	35
4-13. Schematic Diagram – Surround Amp Section –	37
4-14. Printed Wiring Board – Surround Amp Section –	39
4-15. Printed Wiring Board – Trans Section –	41
4-16. Schematic Diagram – Trans Section –	43
4-17. Schematic Diagram – AV/Mic Section –	44
4-18. Printed Wiring Board – AV/Mic Section –	45
4-19. IC Block Diagrams	46
4-20. IC Pin Function	49
5. EXPLODED VIEWS	
5-1. Case and Sliding Panel Section	52
5-2. Front Panel Section	53
5-3. Slide Mechanism Section	54
5-4. Circuit Boards and Back Panel Section	55
6. ELECTRICAL PARTS LIST	56

MODEL IDENTIFICATION

— BACK PANEL —



MODEL	PART No.
V5550: Hong Kong, Malaysia, Singapore, Indonesia	4-900-848-5□
V7770: Hong Kong, Malaysia, Singapore	4-900-848-6□
V7770: Thai, Chinese	4-900-848-7□
V5550: Chinese	4-900-848-8□

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY MARK $\triangle$ OR DOTTED LINE WITH MARK $\triangle$ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

与安全有关的零部件须知

在原理图上用阴影及 $\triangle$ 标记来识别的零部件在安全操作上是具有关键性的。这些零部件要用本手册中所示的部件号对应的索尼零部件进行更换。

在安全操作上具有关键性的电路调整与索尼公司出版的维修手册完全一致。在更换关键零部件时或怀疑动作失常时，请进行这些调整操作。

SECTION 1 GENERAL

Front Panel

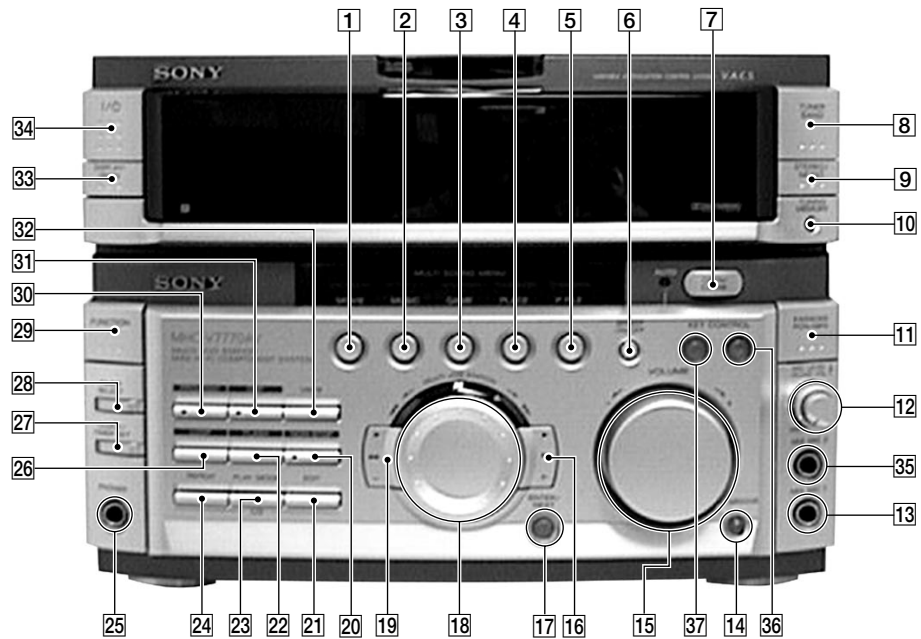


Photo : STR-V7770

- | | |
|-----------------------------------|----------------------------------|
| 1 MOVIE button | 19 ◀◀ – button |
| 2 MUSIC button | 20 NON-STOP button |
| 3 GAME button | 21 EDIT button |
| 4 PLACE button | 22 FLASH button |
| 5 P FILE button | 23 PLAY MODE button |
| 6 EFFECT ON/OFF button | 24 REPEAT button |
| 7 OPEN/CLOSE button | 25 PHONES jack |
| 8 TUNER BAND button | 26 LOOP button |
| 9 STEREO/MONO button | 27 CLOCK/TIMER SET button |
| 10 MEMORY button | 28 TIMER SELECT button |
| 11 KARAOKE PON/MIX button | 29 FUNCTION button |
| 12 MIC LEVEL/ECHO VOL dial | 30 PROLOGIC button |
| 13 MIX MIC1 jack | 31 DSP button |
| 14 GROOVE button | 32 DBFB button |
| 15 VOLUME dial | 33 DISPLAY/DEMO button |
| 16 ▶▶ + button | 34 I/⏻ (POWER) button |
| 17 ENTER/NEXT button | 35 MIX MIC2 jack |
| 18 MULTI JOG STATION dial | 36 KEY CONTROL (#) |
| | 37 KEY CONTROL (b) |

Rear Panel

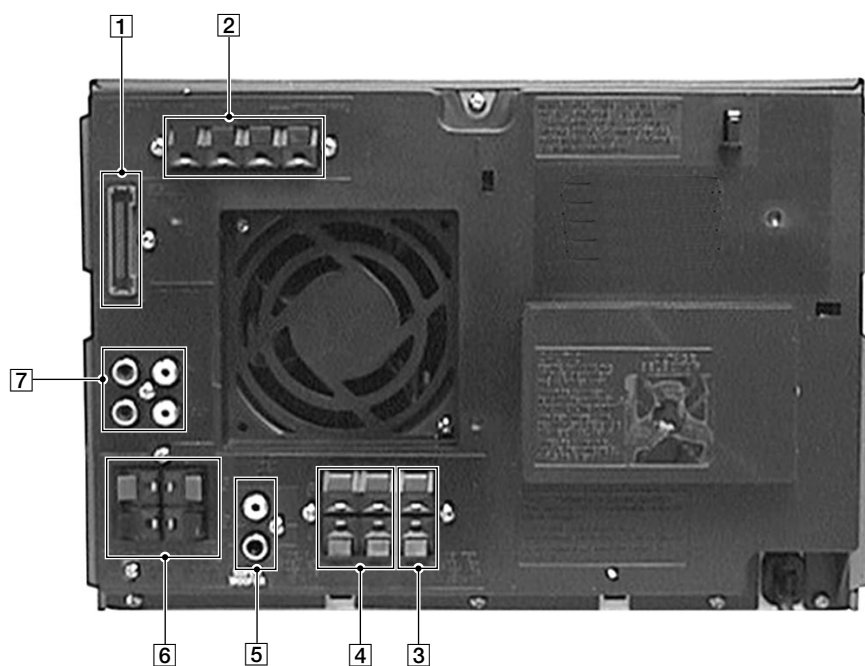


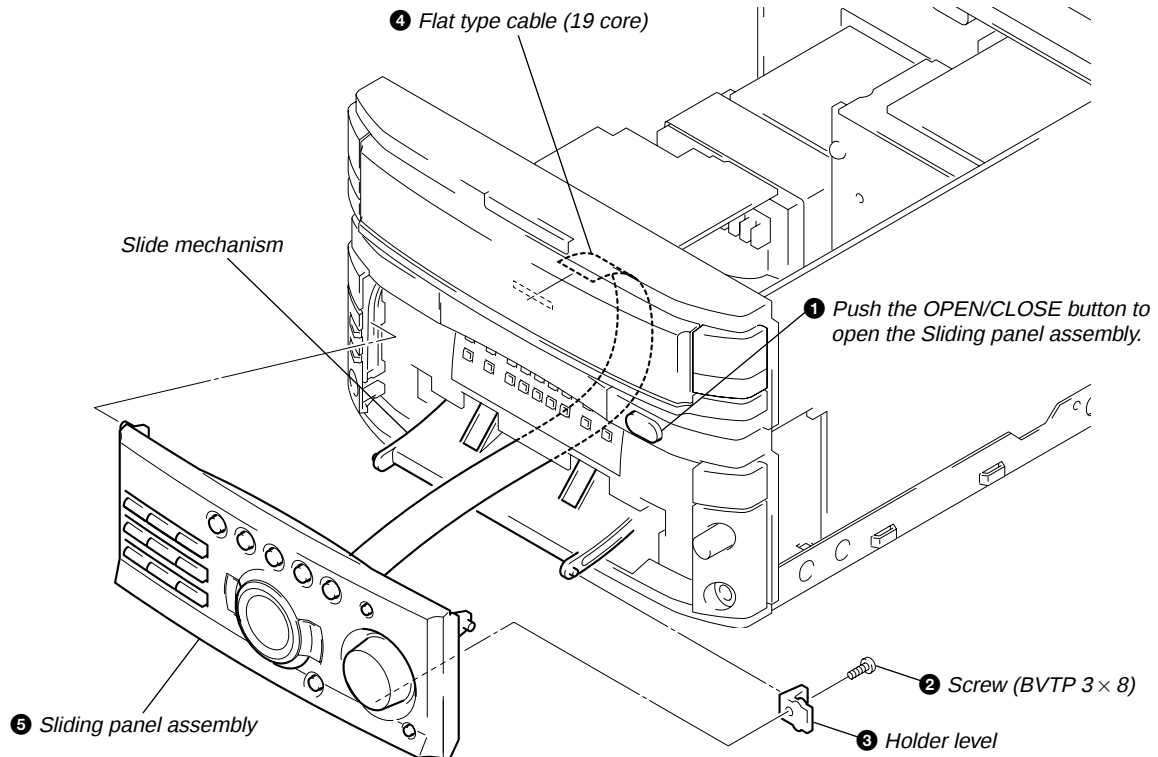
Photo : STR-V7770 (Chinese model)

- 1 SYSTEM CONTROL jack
- 2 ANTENNA terminal
- 3 CENTER SPEAKER terminal
- 4 REAR SPEAKER terminal
- 5 MONITOR OUT jack
- 6 FRONT SPEAKER terminal
- 7 MD/VIDEO 1 jack

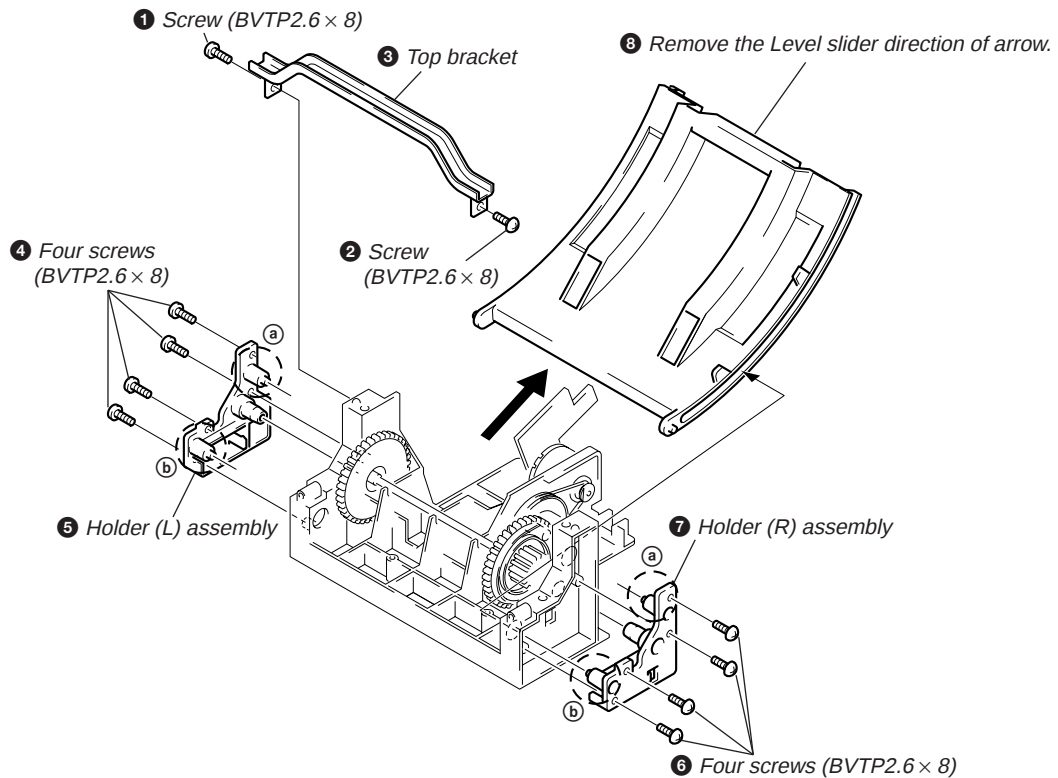
SECTION 2 DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

2-1. SLIDING PANEL ASSEMBLY



• **NOTE FOR INSTALLATION (LEVEL SLIDER)**
(Perform this **DISASSEMBLY** after the front panel is removed.)

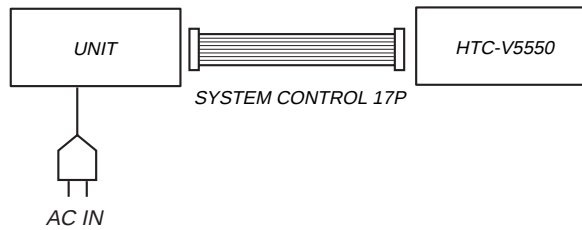


NOTE :
Attach in the reverse order, but make sure the rollers (a, b) of the holder (L) assembly and holder (R) assembly fit into the grooves of the level slider.

SECTION 3 SERVICE MODE

Connections and Operations When Used Alone

Normally, use the unit connected to the HTC-V5550 as follows.
Basically, when servicing the unit, connect the unit as follows.



Even when not connected to the HTC-V5550, the unit can operate alone as it mounts a power supply (some functions will however not be available).

MC Cold Reset

- The cold reset clears all data including preset data stored in the RAM to initial conditions. Execute this mode when returning the set to the customer.

Procedure:

1. Press three buttons **[EDIT]**, **[ENTER/NEXT]**, and **[DISPLAY/DEMO]** simultaneously.
2. The fluorescent indicator tube becomes blink instantaneously, and the set is reset.

CD Delivery Mode (This mode can be used only when the HTC-V5550 is connected.)

- This mode moves the pick-up to the position durable to vibration. Use this mode when returning the set to the customer after repair.

Procedure:

1. Press **[I/⏻]** button to turn the set ON.
2. Press **[LOOP]** button and **[I/⏻]** button simultaneously.
3. A message “LOCK” is displayed on the fluorescent indicator tube, and the CD delivery mode is set.

MC Hot Reset

- This mode resets the set with the preset data kept stored in the memory. The hot reset mode functions same as if the power cord is plugged in and out.

Procedure:

1. Press three buttons **[REPEAT]**, **[ENTER/NEXT]**, and **[DISPLAY/DEMO]** simultaneously.
2. The fluorescent indicator tube becomes blink instantaneously, and the set is reset.

Sled Servo Mode (This mode can be used only when the HTC-V5550 is connected.)

- This mode can run the CD sled motor freely. Use this mode, for instance, when cleaning the pick-up.

Procedure:

1. Select the function “CD”.
2. Press three buttons **[FLASH]**, **[ENTER/NEXT]**, and **[KARAOKE PON/MIX]** simultaneously.
3. The Sled Servo mode is selected, if “CD” is blinking on the fluorescent indicator tube.
4. With the CD in stop status, press **[▶▶+]** button move the pick-up to outside track, or **[−◀◀]** button to inside track.
5. To exit from this mode, perform as follows:
 - 1) Move the pick-up to the most inside track.
 - 2) Press three buttons in the same manner as step 2.

Note:

- Always move the pick-up to most inside track when exiting from this mode. Otherwise, a disc will not be unloaded.
- Do not run the sled motor excessively, otherwise the gear can be chipped.

Change-over of FUNCTION Name

- The FUNCTION name of external input terminal can be changed over to VIDEO 1 or MD. With the FUNCTION selected to “MD”, about 5dB mute is applied to the input gain.

Procedure:

1. Press **[I/⏻]** button to turn the set OFF.
2. Press **[I/⏻]** button together with **[FUNCTION]** button, and the power is turned on, the display of fluorescent indicator tube changes to “MD” or “VIDEO 1” instantaneously, and thus the FUNCTION is changed over.

Change-over of AM Tuner Step between 9kHz and 10kHz

- A step of AM channels can be changed over between 9kHz and 10kHz.

Procedure:

1. Press **[I/⏻]** button to turn the set ON.
2. Select the function “TUNER”, and press **[TUNER/BAND]** button to select the BAND “MW”.
3. Press **[I/⏻]** button to turn the set OFF.
4. Press **[ENTER/NEXT]** and **[I/⏻]** buttons simultaneously, and the display of fluorescent indicator tube changes to “MW step 10” or “MW step 9”, and thus the channel step is changed over.

LED and Fluorescent Indicator Tube All Lit, Key Check Mode (Do not connect the HTC-V5550.)

Procedure:

1. Press **[I/⏻]** button to turn the set ON.
2. Press the **[OPEN/CLOSE]** button to open the sliding panel.
3. Press three buttons **[DELAY]**, **[ENTER/NEXT]**, and **[DISPLAY/DEMO]** simultaneously.
4. LEDs and fluorescent indicator tube are all turned on. Each time the **[MOVIE]** button is pressed, the fluorescent indicator tube lights up as follows:
lights up completely → lights up partially 1 → lights up partially 2 → lights up completely.
5. Press **[GAME]** button, and the key check mode is activated.
6. In the key check mode, the fluorescent indicator tube displays “K @@ V0 J0”. Each time a button is pressed, “K” value decreases. However, once a button is pressed, it is no longer taken into account. (@@ means the total of buttons)
“J” Value increases like 1, 2, 3 ... if rotating **[JOG]** knob in “+” direction, or it decreases like 0, 9, 8 ... if rotating in “-” direction.
“V” Value increases like 1, 2, 3 ... if rotating **[VOLUME]** knob in “+” direction, or it decreases like 0, 9, 8 ... if rotating in “-” direction.
7. Pressing all buttons lights up the fluorescent indicator tube completely.
8. To exit from this mode, press three buttons **[EDIT]**, **[ENTER/NEXT]** and **[DISPLAY/DEMO]** simultaneously. (COLD RESET)
9. To exit from this mode, press three buttons in the same manner as step 1, or disconnect the power cord.

CD, TAPE Deck Aging Mode (This mode can be used only when the HTC-V5550 is connected.)

This mode can be used for checking the operations of the CD player and tape deck.

- When problems occur;
Aging stops, and the stopped state is displayed on the fluorescent indicator tube.
- When no problems;
Aging continues.

Preparations:

- Set the CD on the DISC1 tray.
- Insert a commercially available tape for recording (tapes which contents can be erased, etc.) in decks A and B.

Setting the aging mode:

Press the **[PLAY MODE]** button, **[ENTER/NEXT]** button, and **[STEREO/MONO]** button together.

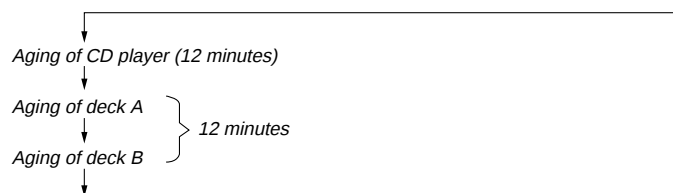
When the aging mode is set, the CD roulette mark blinks. To exit the mode, press the **[I/⏻]** button and turn OFF the power.

Sequence:

The aging mode is executed in the following sequence.

If the function is set to “CD” when the aging mode is set, aging is performed starting from the CD player. When set to “TAPE A” or “TAPE B”, aging is started from deck A.

If the function is set to others, aging will not be started until the function is switched to CD or TAPE.



Display of status:

- The aging status is displayed on the fluorescent indicator tube.
- Normally, the CD player displays the remaining aging time. But if operations ended abnormally, it displays the cause.
- During the aging of the tape deck, the operations performed will be displayed. If operations ended abnormally, this will be displayed at the fluorescent display tube.

CD Player

- During normal operations:
Display of fluorescent indicator tube

****1-@@**

**: Displays “CD” and the remaining aging time (minutes) alternately. The remaining aging time is counted down from 12.

@@: Track number being accessed.

• **When operations end abnormally:**

Display of fluorescent display tube

Display	Main Cause
NO DISC ERR	DISC 1 is NO DISC from the beginning
FOCUS1 ERR	Focus is not imposed properly
FOCUS2 ERR	The focus deviated several times after the disc rotated normally
GFS ERR	GFS ERROR
FBIAS ERR	Error during focus bias adjustment
SENSOR ERR	DISC 1 was found to be NO DISC by the disc sensor
TABLE ERR	The table did not rotate normally
TRAY ERR	The tray containing the BD did not operate normally

Tape Deck

Display of Operations	Operation	Timing of Ending
TAPE A AG-1	TAPE A REW	Shutoff
TAPE A AG-2	TAPE A FWD	2 minute playback
TAPE A AG-3	TAPE A FF	20 seconds or shutoff
TAPE A AG-4	TAPE A REV	2 minutes playback
TAPE A AG-5	TAPE A REW	Shutoff
TAPE B AG-1	TAPE B REW	Shutoff
TAPE B AG-2	TAPE B FWD	2 minute playback
TAPE B AG-3	TAPE B FF	20 seconds or shutoff
TAPE B AG-4	TAPE B REV	2 minute playback
TAPE B AG-5	TAPE B REW	Shutoff

Operations during aging

- Operations are performed in the following sequence during aging.

<CD player>

1. The CD tray rotates and disc 1 is selected.
2. Chucking is performed.
3. TOC is read.
4. Track 1 played back for 2 seconds.
5. The last track is played back for 2 seconds.
6. 1 to 5 is repeated.
7. After 12 minutes of aging, aging is switched to the tape deck.

<Tape Deck>

1. The tape in deck A is rewound to the head.
2. The FWD side is played back for 2 minutes.
3. The tape is fast forwarded (FF) for 20 seconds. The following procedure is performed when the tape end is reached before the 20 seconds.
4. The REV side is played back for 2 minutes.
5. The tape is rewound to the head (REW).
6. The tape in deck B is rewound to the head.
7. The FWD side is played back for 2 minutes.
8. The tape is fast forwarded (FF) for 20 seconds. The following procedure is performed when the tape end is reached before the 20 seconds.
9. The REV side is played back for 2 minutes.
10. The tape is rewound to the head (REW).
11. Aging is switched to the CD player.

PANEL Aging Mode

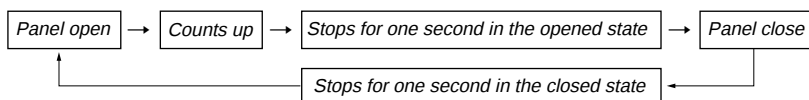
This mode is used for opening and closing the sliding panel continuously.

Setting the aging mode :

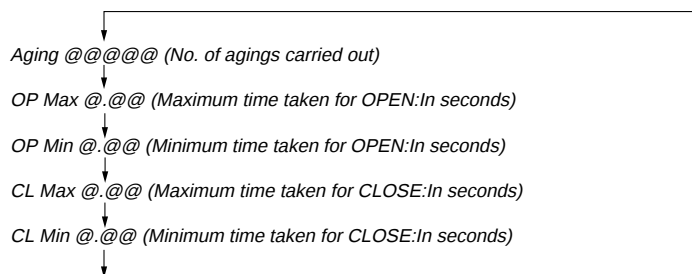
With the set at standby condition, press **FLASH** button, **ENTER/NEXT** button and **STEREO/MONO** button together. The aging will start and sliding panel will follow aging sequence as described below.

- When problems occur ;
Aging stops and “AGING ERROR” is displayed on the fluorescent indicator tube.
- When no problems;
Aging is carried out repeatedly. After 65000 times, “AGING STOP” is displayed and aging stops.

Aging Sequence

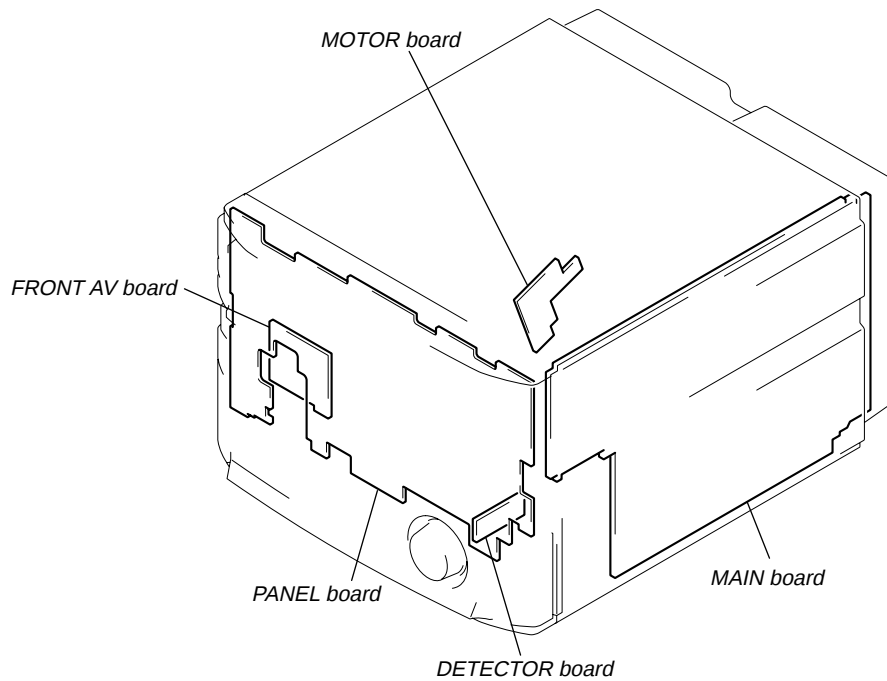
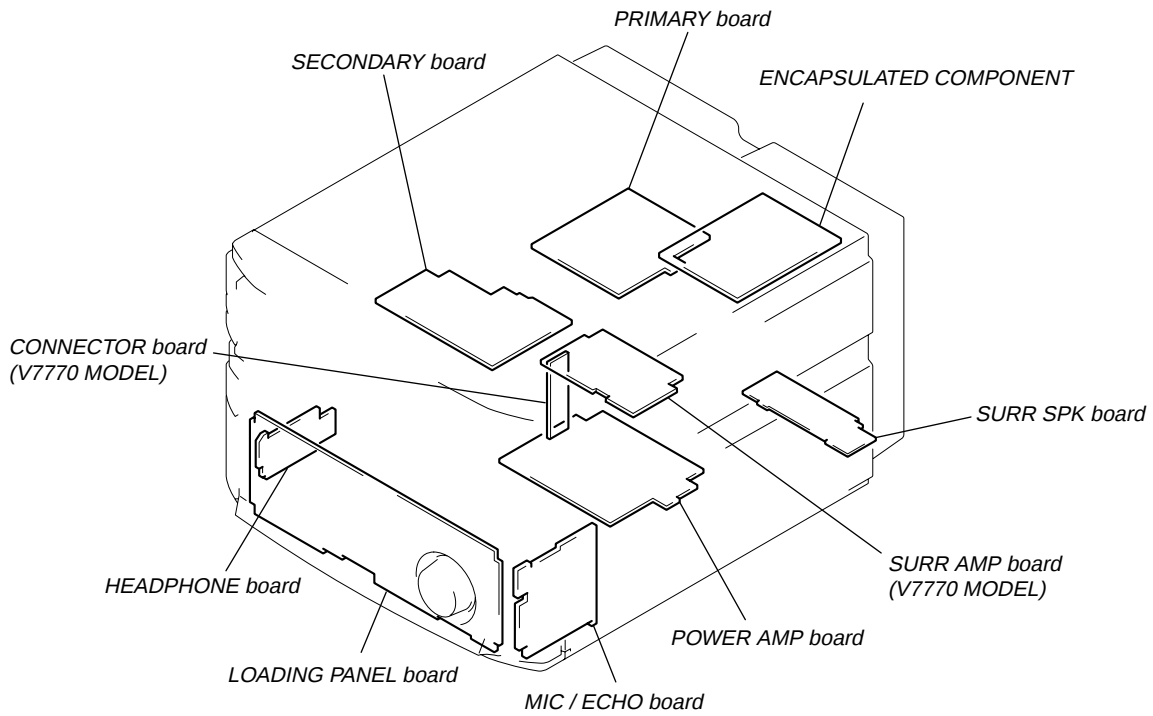


Each time the **DISPLAY/DEMO** button is pressed, the display switches as follows.

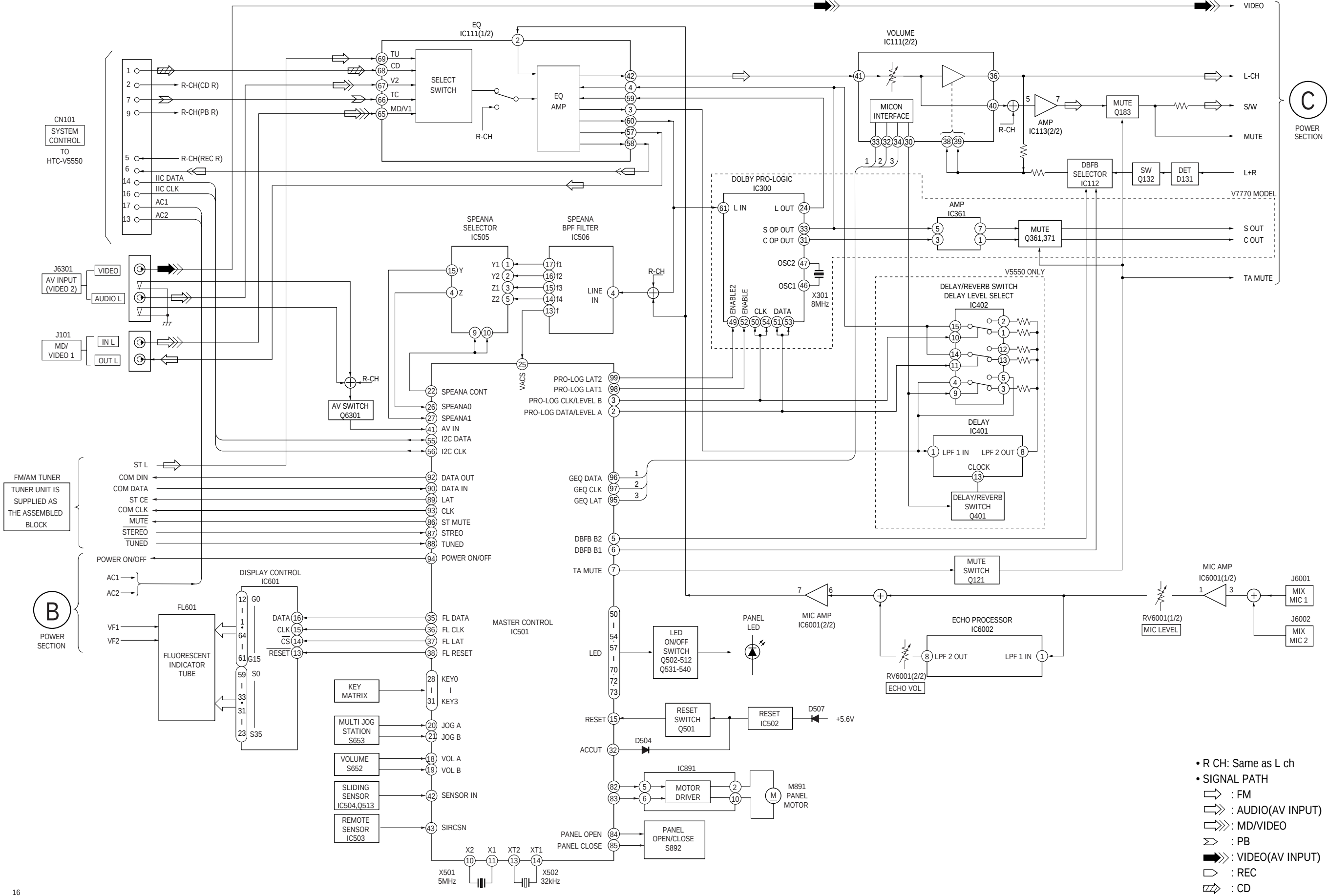


SECTION 4 DIAGRAMS

4-1. CIRCUIT BOARDS LOCATION



4-2. BLOCK DIAGRAMS
— MAIN SECTION —





- R CH : Same as L ch
- SIGNAL PATH
 - ⇒ : FM
 - ⇒⇒⇒: VIDEO (AV INPUT)
- Abbreviation
 - HK : Hong Kong
 - SP : Singapore
 - MY : Malaysia
 - IA : Indonesia

THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this, the necessary note is printed in each block.)

For schematic diagrams.

- Note:
- All capacitors are in μF unless otherwise noted. pF: $\mu\mu\text{F}$ 50 WV or less are not indicated except for electrolytics and tantalums.
 - All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified.
 - $\triangle$: internal component.
 -  : nonflammable resistor.
 -  : fusible resistor.
 -  : panel designation.

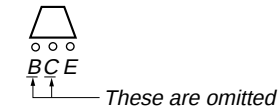
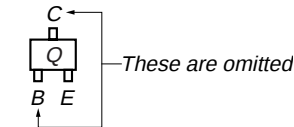
The components identified by mark $\triangle$ or dotted line with mark $\triangle$ are critical for safety. Replace only with part number specified.	以阴影和 $\triangle$ 标志来识别的零部件，在安全方面具有关键性。因此只能以规定号码的零部件来更换。
--	---

-  : B+ Line.
-  : B- Line.
-  : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- Voltages are taken with a VOM (Input impedance $10\text{M}\Omega$). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
 -  : FM
 -  : AM
 -  : AUDIO (AV INPUT)
 -  : MD/VIDEO
 -  : VIDEO (AV INPUT)
 -  : PB (DECK A)
 -  : REC (DECK B)
 -  : CD
- Abbreviation
 - HK : Hong Kong
 - SP : Singapore
 - MY : Malaysia
 - CH : Chinese
 - TH : Thai
 - IA : Indonesia

For printed wiring boards.

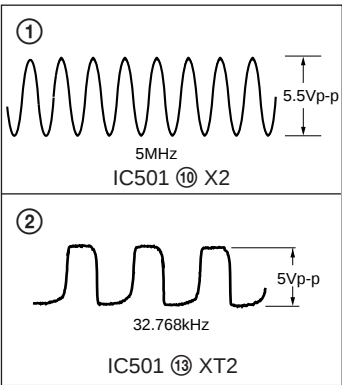
- Note:
-  : parts extracted from the component side.
 -  : parts extracted from the conductor side.
 -  : parts mounted on the conductor side.
 -  : Through hole.
 - $\triangle$: internal component.
 -  : Pattern from the side which enables seeing.

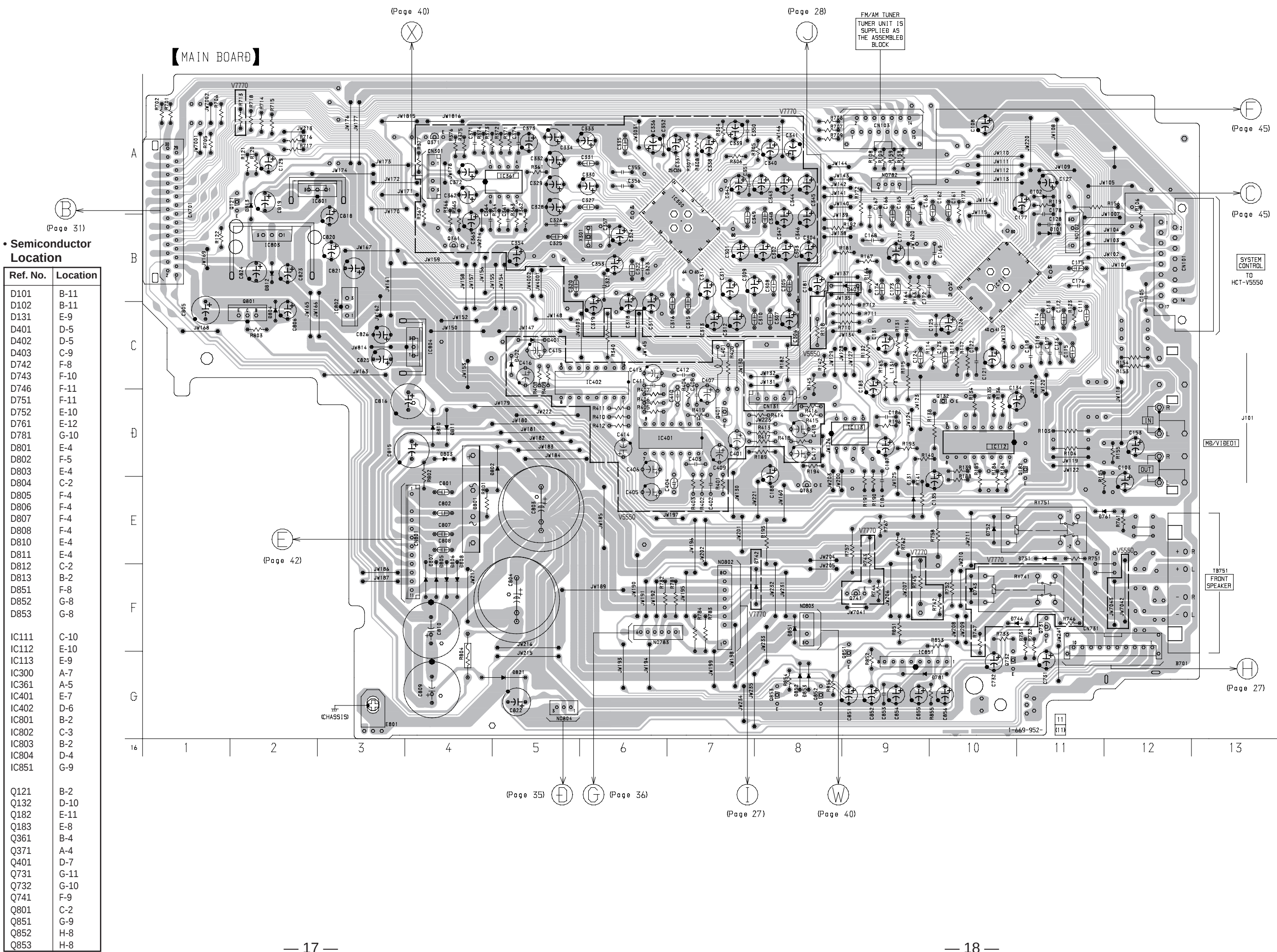
• Indication of transistor



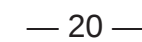
Waveforms

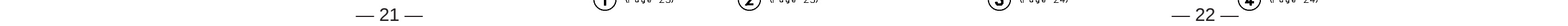
– DISPLAY Section –





- Refer to page 47 for IC Block Diagrams.





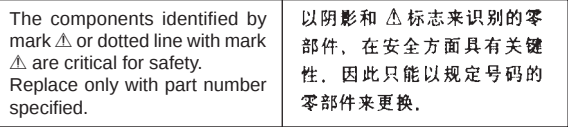
- 【MAIN BOARD (2/2)】**

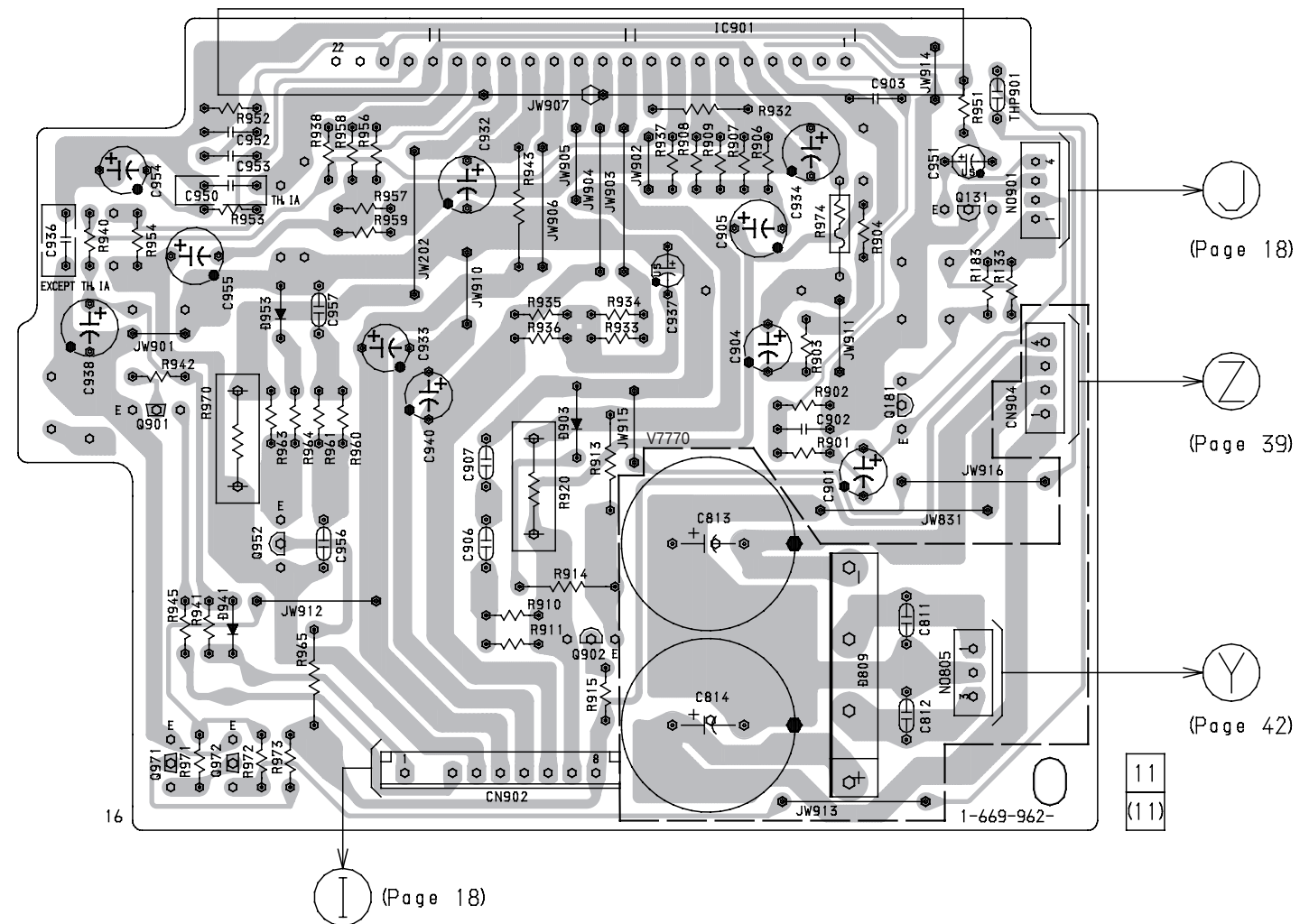
NOTE

 - Voltages and waveforms are dc with respect to ground under no-signal conditions.
 - no mark:FM

The diagram illustrates the internal circuitry of the Main Board (2/2). It includes several key functional blocks:

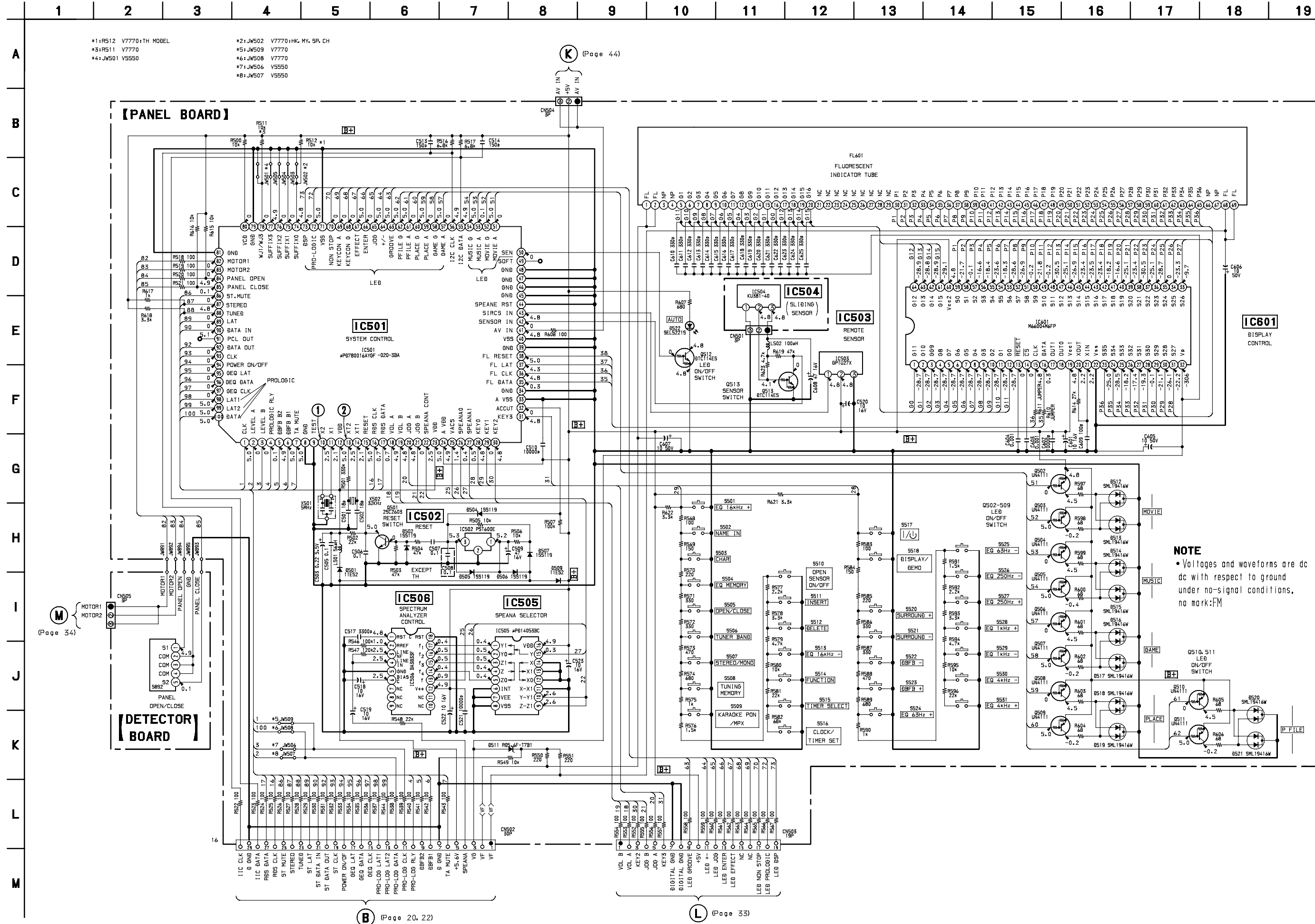
 - Power Regulation:** IC804 (+10V REG), IC803 (+5.6V REG), IC802 (-7V REG), and IC801 (+7V REG) are shown with their respective pin connections and component values.
 - Protection:** IC851 (PROTECTOR) and IC113 (AMP) are included for system protection and audio amplification.
 - Signal Processing:** IC112 (DBFB SELECTOR) and IC111 (MC14052BCP) are used for signal processing and control.
 - Control and Timing:** IC805 (2581094 VG REG) and IC806 (H7530) are involved in control and timing functions.
 - Connectors:** Various connectors are shown, including CN801, CN802, CN803, CN804, CN805, CN806, CN807, CN808, CN809, CN810, CN811, CN812, CN813, CN814, CN815, CN816, CN817, CN818, CN819, CN820, CN821, CN822, CN823, CN824, CN825, CN826, CN827, CN828, CN829, CN830, CN831, CN832, CN833, CN834, CN835, CN836, CN837, CN838, CN839, CN840, CN841, CN842, CN843, CN844, CN845, CN846, CN847, CN848, CN849, CN850, CN851, CN852, CN853, CN854, CN855, CN856, CN857, CN858, CN859, CN860, CN861, CN862, CN863, CN864, CN865, CN866, CN867, CN868, CN869, CN870, CN871, CN872, CN873, CN874, CN875, CN876, CN877, CN878, CN879, CN880, CN881, CN882, CN883, CN884, CN885, CN886, CN887, CN888, CN889, CN890, CN891, CN892, CN893, CN894, CN895, CN896, CN897, CN898, CN899, CN900, CN901, CN902, CN903, CN904, CN905, CN906, CN907, CN908, CN909, CN910, CN911, CN912, CN913, CN914, CN915, CN916, CN917, CN918, CN919, CN920, CN921, CN922, CN923, CN924, CN925, CN926, CN927, CN928, CN929, CN930, CN931, CN932, CN933, CN934, CN935, CN936, CN937, CN938, CN939, CN940, CN941, CN942, CN943, CN944, CN945, CN946, CN947, CN948, CN949, CN950, CN951, CN952, CN953, CN954, CN955, CN956, CN957, CN958, CN959, CN960, CN961, CN962, CN963, CN964, CN965, CN966, CN967, CN968, CN969, CN970, CN971, CN972, CN973, CN974, CN975, CN976, CN977, CN978, CN979, CN980, CN981, CN982, CN983, CN984, CN985, CN986, CN987, CN988, CN989, CN990, CN991, CN992, CN993, CN994, CN995, CN996, CN997, CN998, CN999, CN1000.
- The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.
- 以阴影和 Δ 标志来识别的零部件，在安全方面具有关键性。因此只能以规定号码的零部件来更换。
- (Page 43)
- (Page 44)
- (Page 34)
- (Page 26)



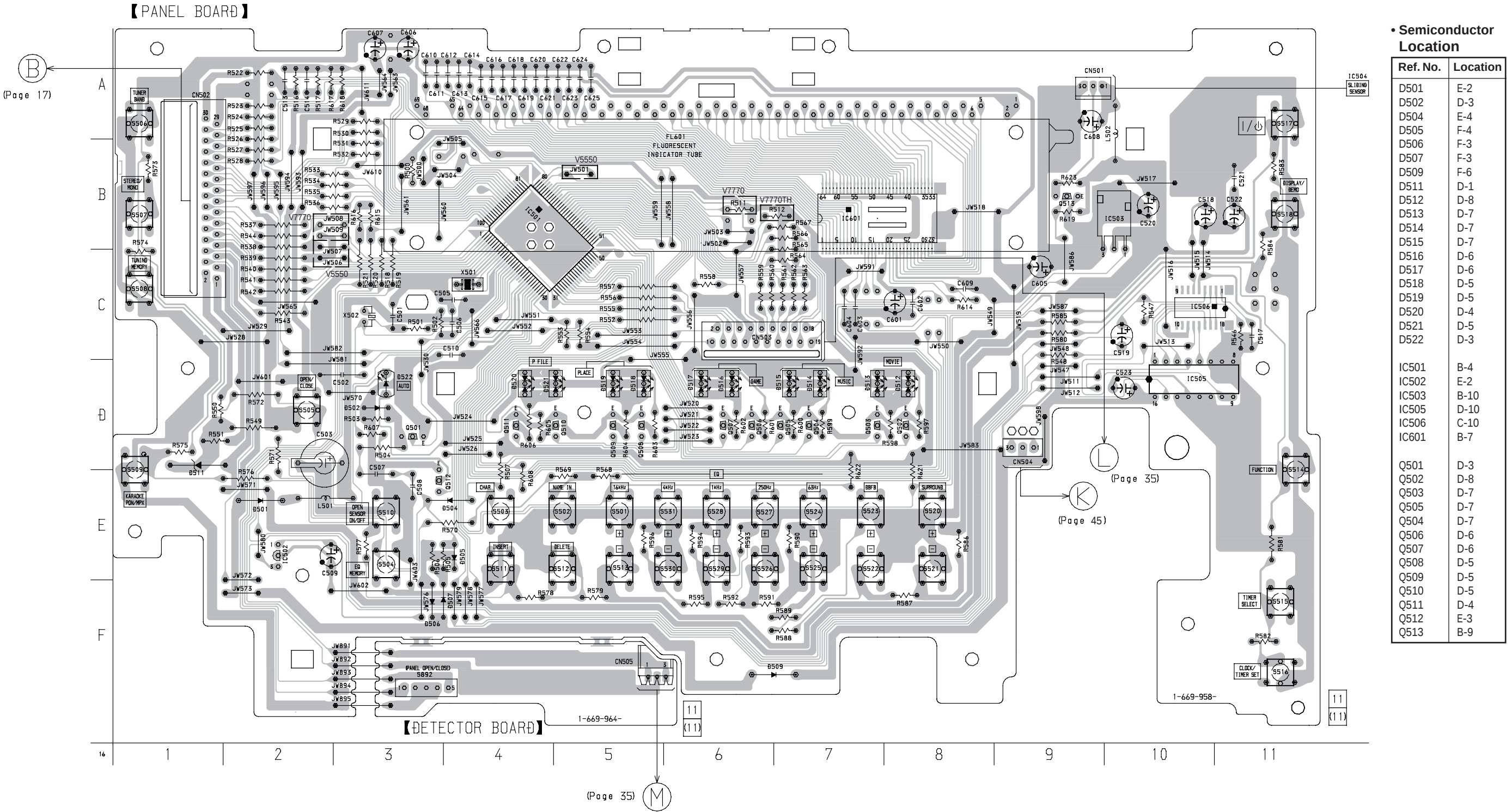


4-9. SCHEMATIC DIAGRAM — DISPLAY SECTION —

- Refer to page 48 for IC Block Diagrams.
- Refer to page 16 for Waveform.



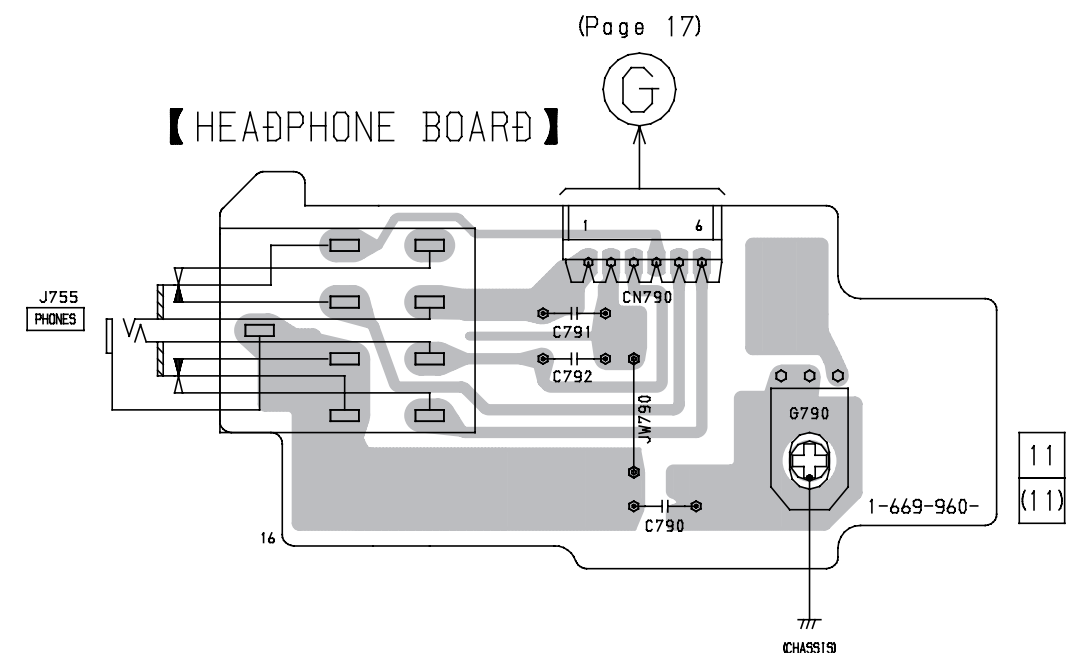
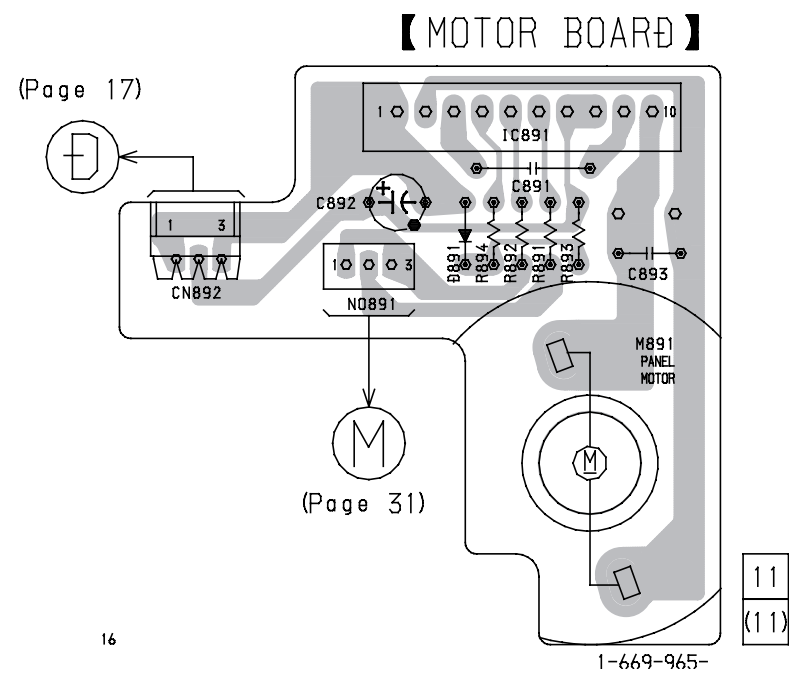
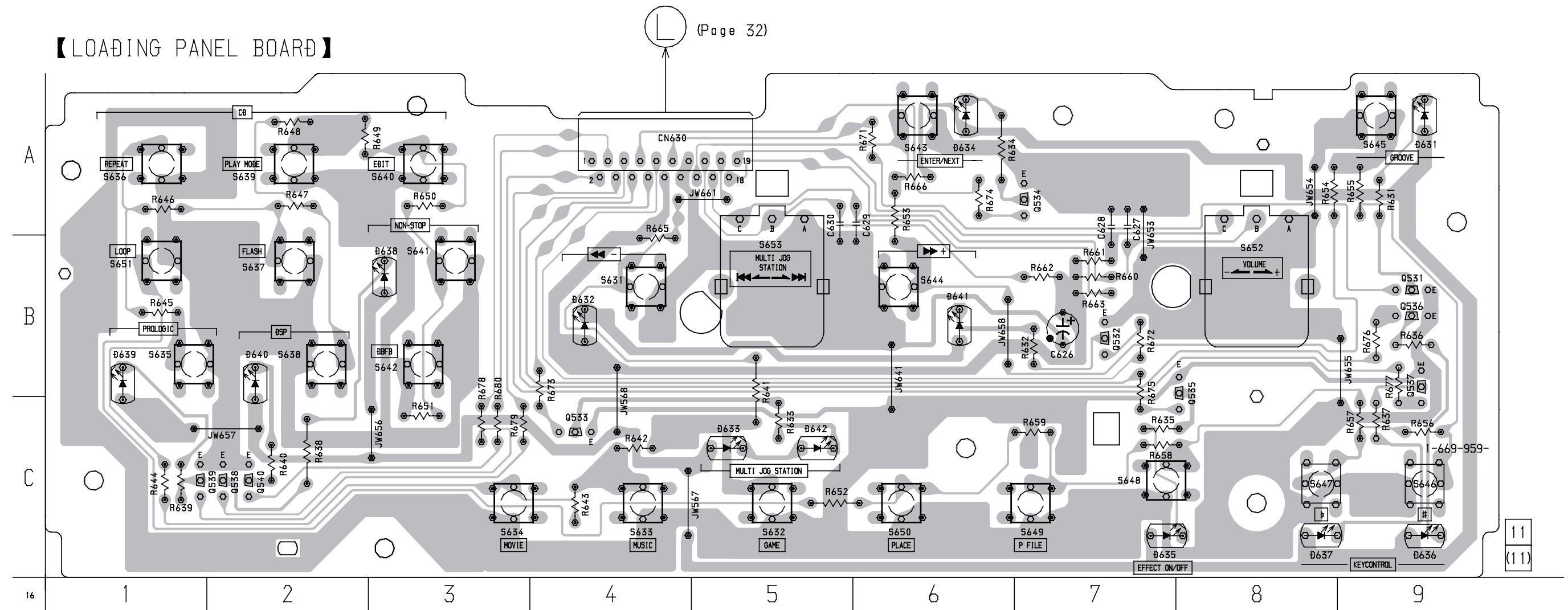
4-10. PRINTED WIRING BOARD — DISPLAY SECTION — • Refer to page 10 for Circuit Boards Location.



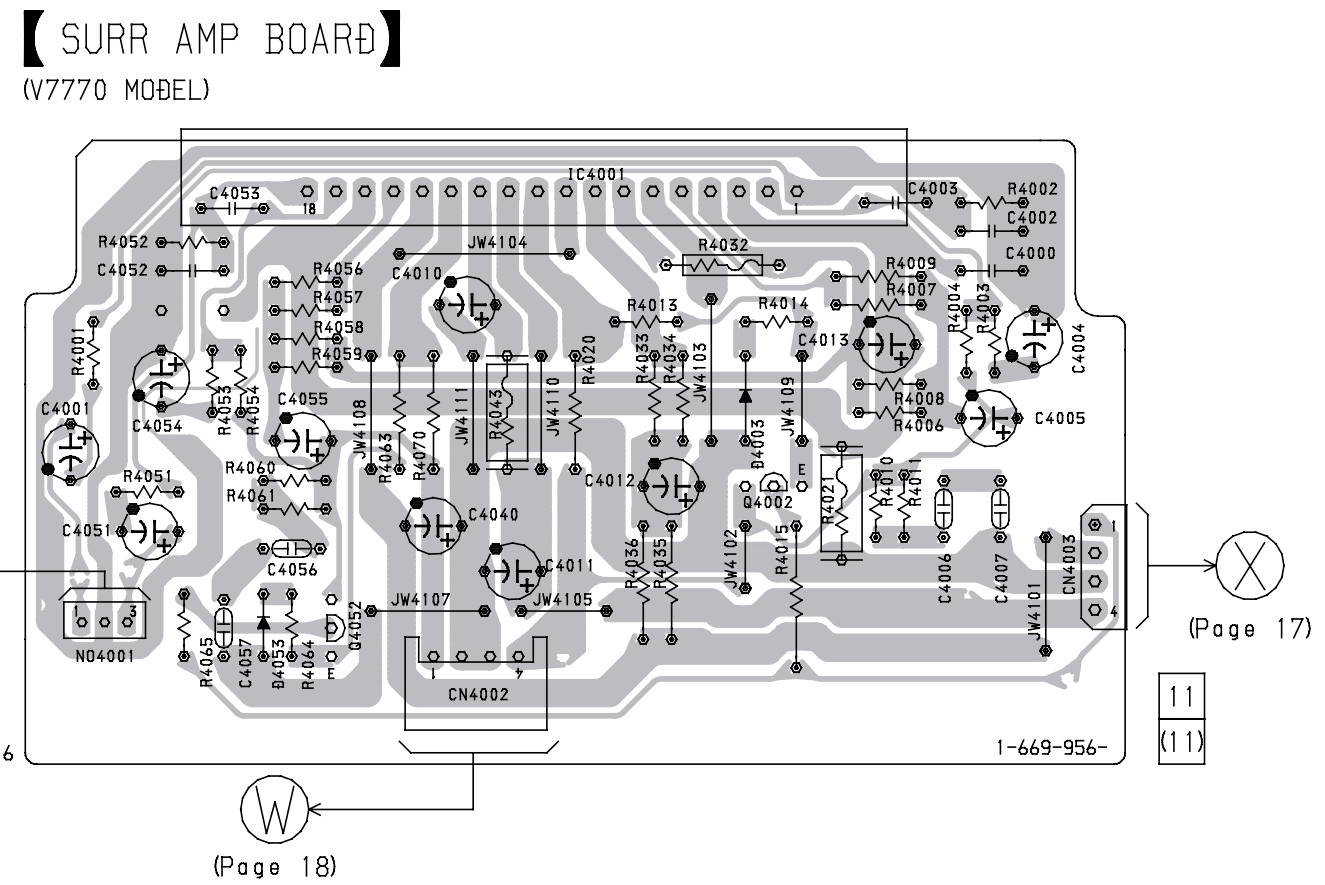
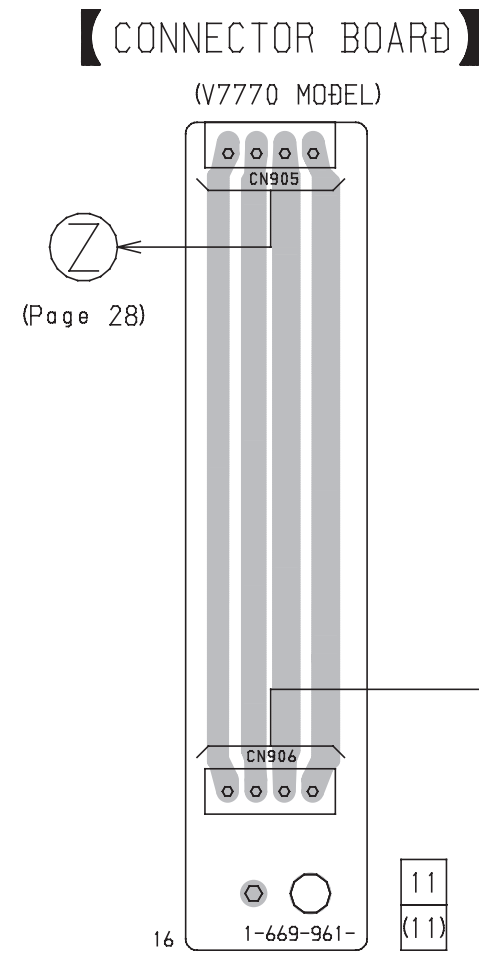


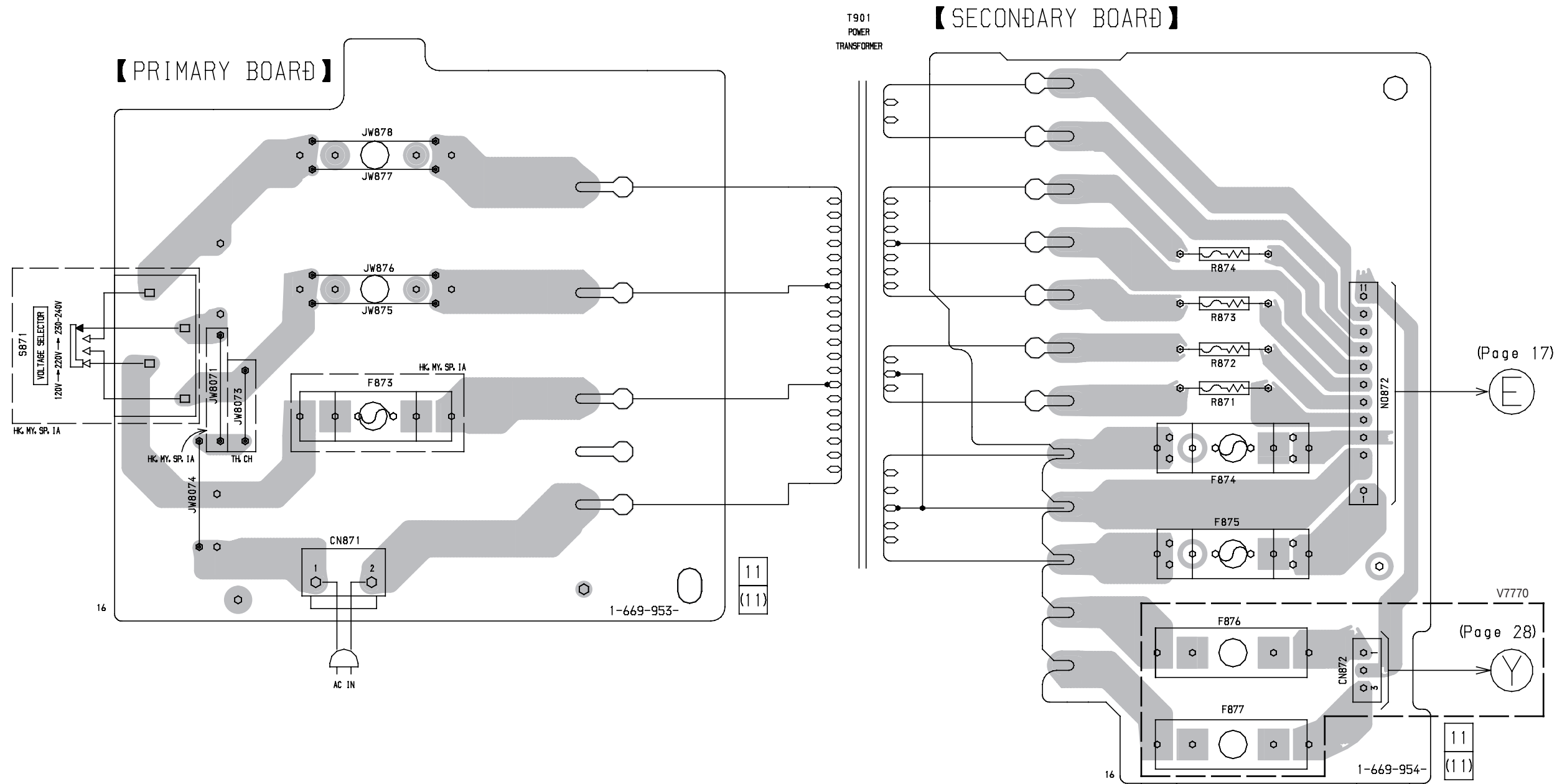
4-12. PRINTED WIRING BOARD — SLIDING PANEL SECTION —

• Refer to page 10 for Circuit Boards Location.

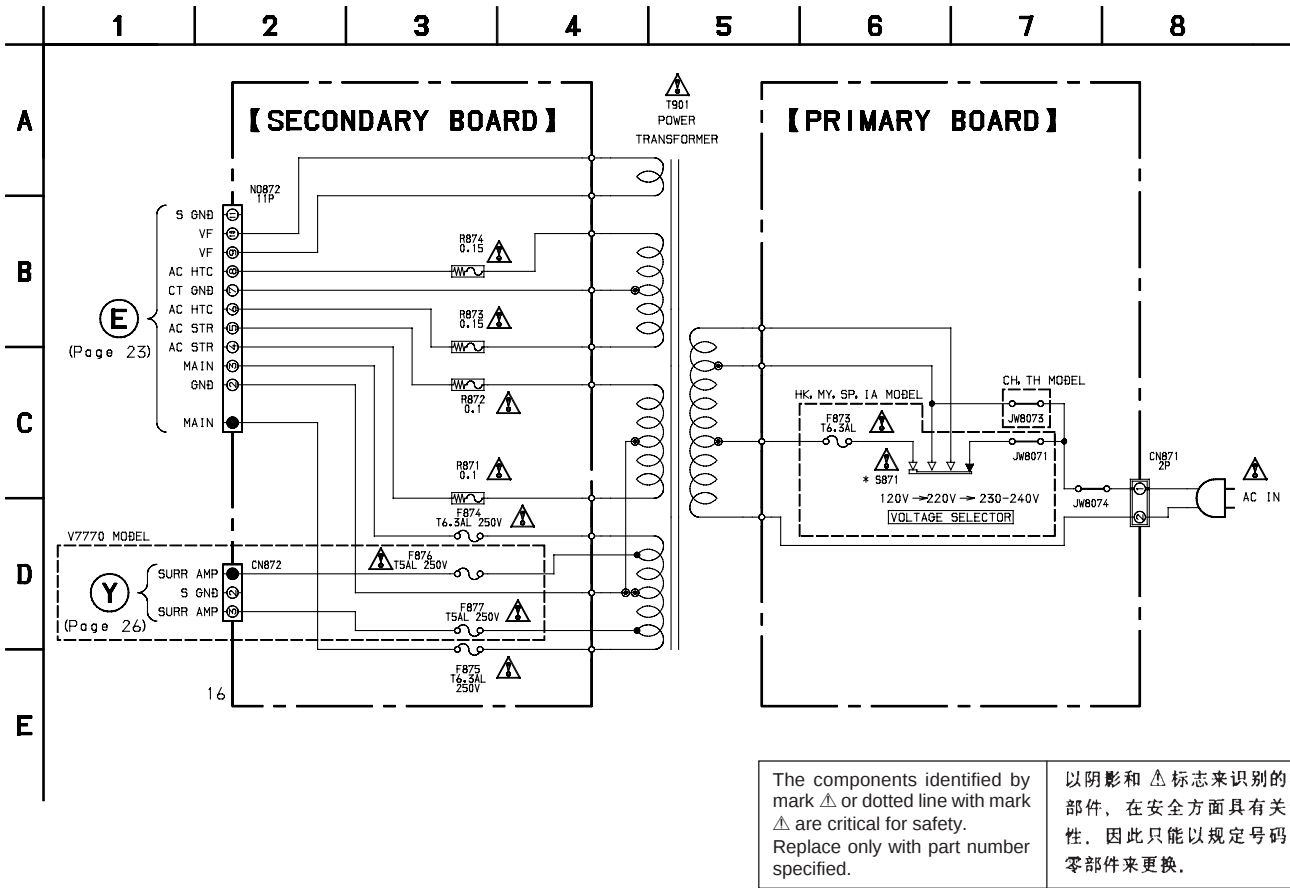




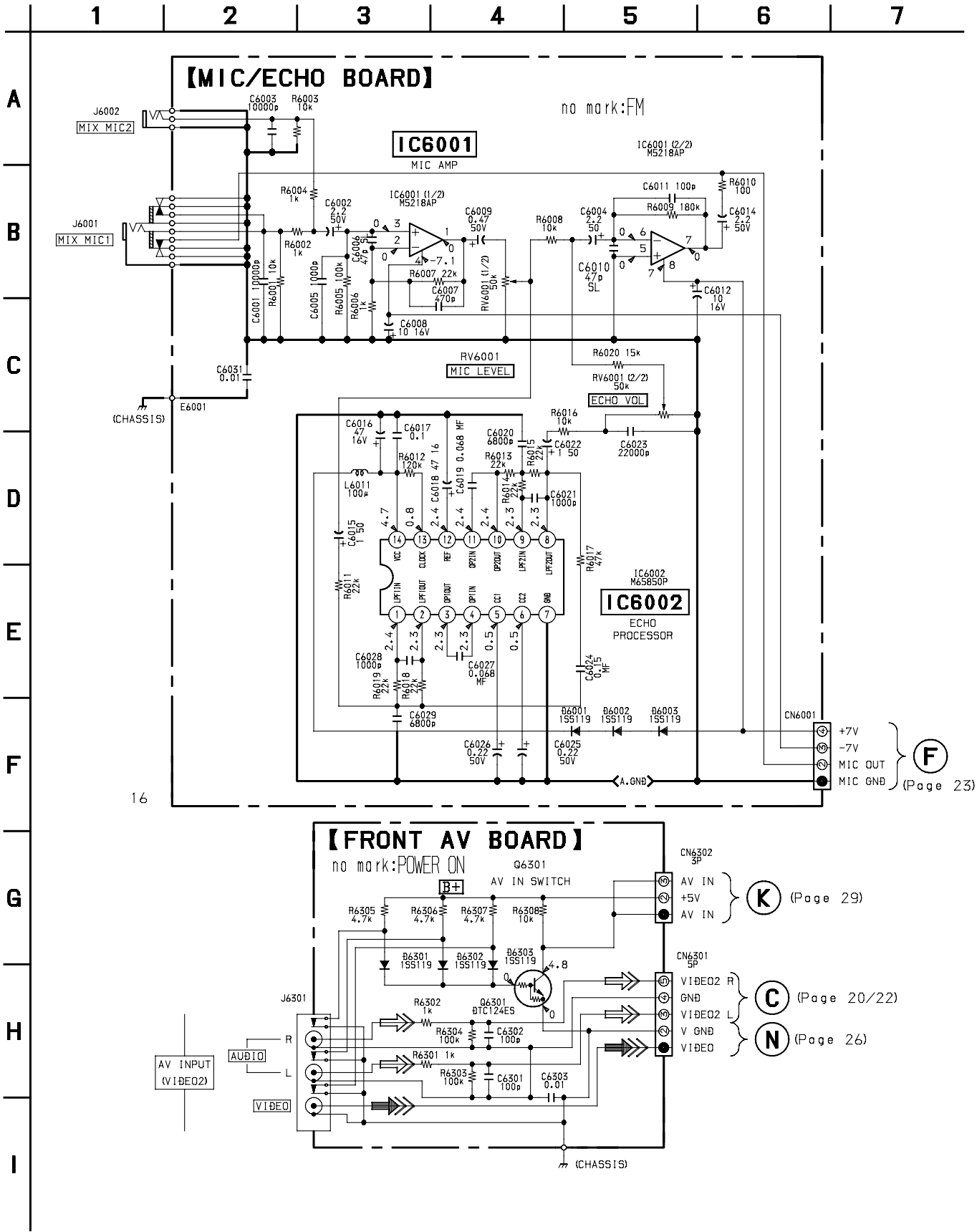




4-16. SCHEMATIC DIAGRAM – TRANS SECTION –



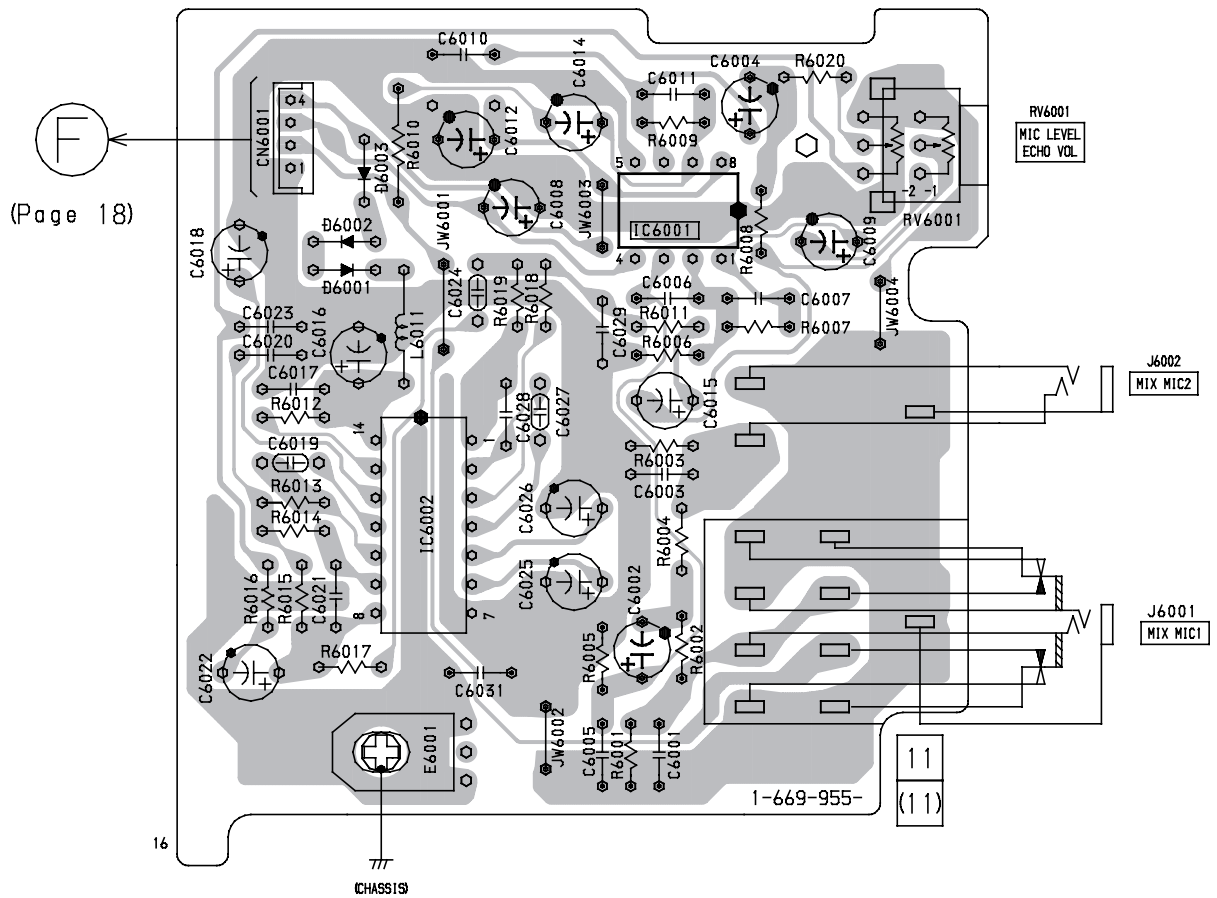
4-17. SCHEMATIC DIAGRAM – AV/MIC SECTION – • Refer to page 48 for IC Block Diagrams.



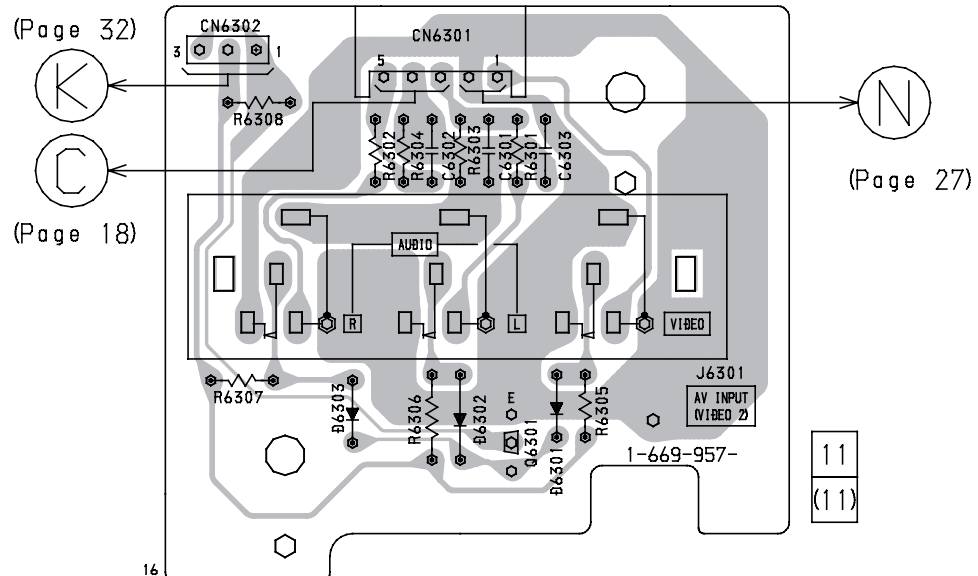
4-18. PRINTED WIRING BOARD – AV/MIC SECTION –

• Refer to page 10 for Circuit Boards Location.

【MIC/ECHO BOARD】



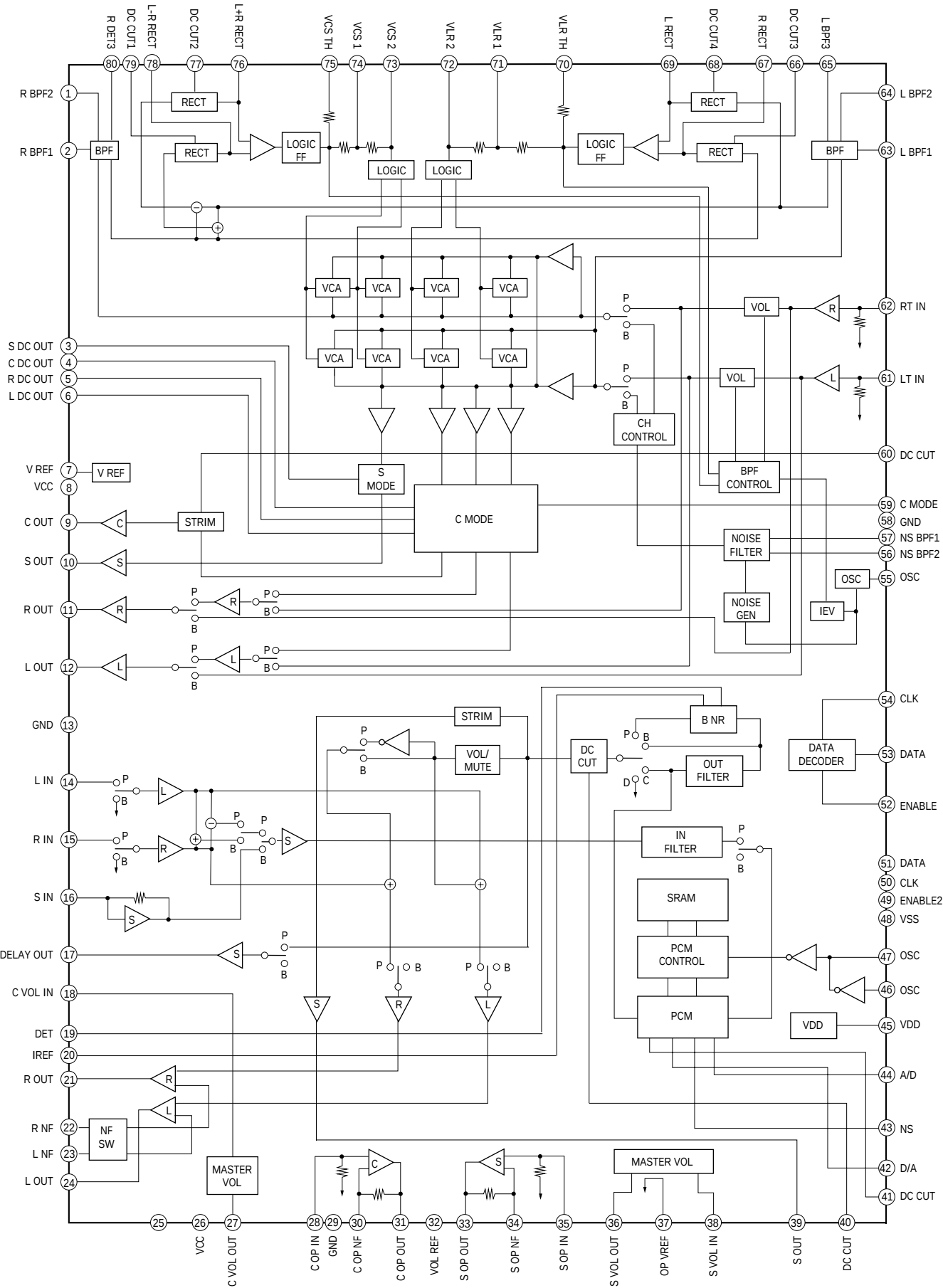
【FRONT AV BOARD】



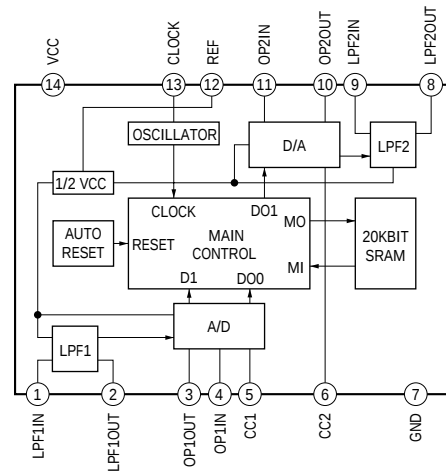
4-19. IC BLOCK DIAGRAMS

• MAIN BOARD

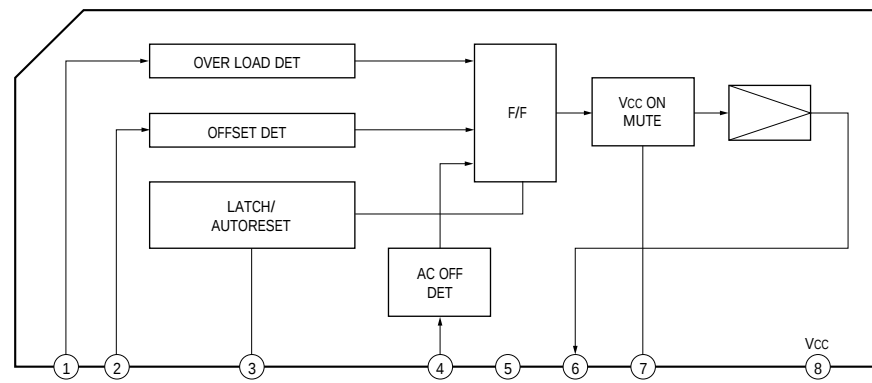
IC300 LV1041M



IC401 M65850P

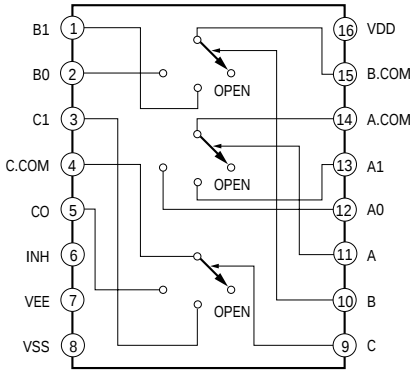


IC851 μ PC1237HA

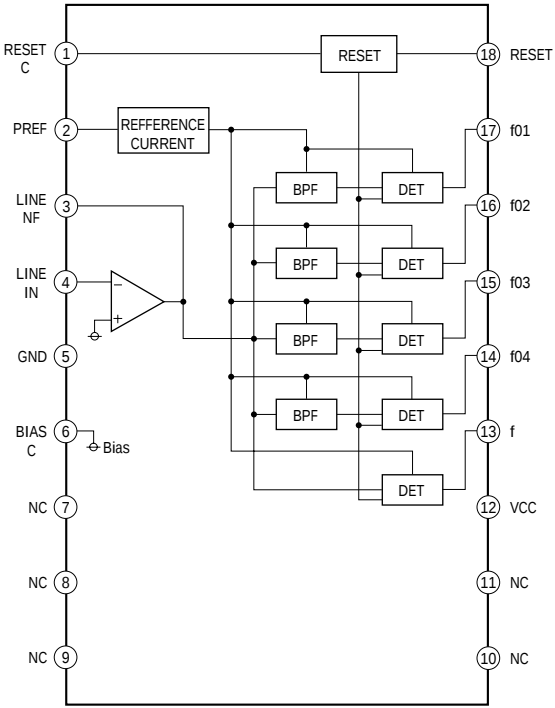


• PANEL BOARD

IC505 μ PD4053BC

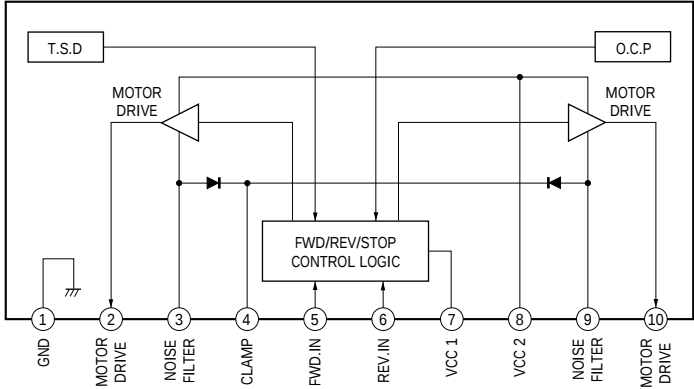


IC506 BA3833F-E2



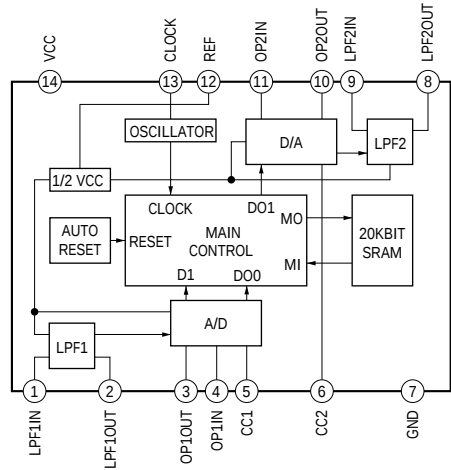
• MOTOR BOARD

IC891 LB1641



• MIC/ECHO BOARD

IC6002 M65850P



4-20. IC PIN FUNCTION

• IC501 SYSTEM CONTROL (uPD780016AYGF-020-3BA)

Pin No.	Pin Name	I/O	Description
1	CLK	—	Not used
2	LEVEL A	O	Surround level A signal output
3	LEVEL B	O	Surround level B signal output
4	PROLOGIC RLY	—	Not used
5	DBFB B2	O	DBFB level 2 signal output
6	DBFB B1	O	DBFB level 1 signal output
7	TA MUTE	O	Mute signal output
8	GND	—	Ground
9	TEST	—	Test terminal (Connected to ground)
10	X2	O	X' tal (5MHz)
11	X1	I	
12	VDD	—	Power supply (+5V)
13	XT2	O	X' tal (32kHz)
14	XT1	I	
15	RESET	I	Reset signal input
16	RDS CLK	I	RDS clock input
17	RDS DATA	I	RDS data input
18	VOL A	I	Rotary encoder (VOLUME) pulse input
19	VOL B	I	
20	JOG A	I	Rotary encoder (MULTI JOG STATION) pulse input
21	JOG B	I	
22	SPEANA CONT	O	Spectrum analyzer control output
23	VDD	—	Power supply (+5V)
24	A VDD	—	Analog power supply (+5V)
25	VACS	I	Audio input for VACS control
26	SPEANA0	I	Spectrum analyzer data input
27	SPEANA1	I	
28	KEY0	I	Key data input
29	KEY1	I	
30	KEY2	I	
31	KEY3	I	
32	ACCUT	I	Back up signal input
33	A VSS	—	Analog ground
34	GND	—	Ground
35	FL DATA	O	FL data output
36	FL CLK	O	FL clock output
37	FL LAT	O	FL latch output
38	FL RESET	O	FL reset output
39	GND	—	Ground
40	VSS	—	Ground

• Abbreviation

FL : Fluorescent indicator tube

Pin No.	Pin Name	I/O	Description
41	AV IN	I	AV INPUT (VIDEO 2) switch input
42	SENSOR IN	I	Sliding (panel) sensor signal input
43	SIRCS IN	I	Remote sensor signal input
44	SPEANE RST	O	Spectrum analyzer reset output
45	GND	—	Ground
46	GND	—	
47	GND	—	
48	GND	—	
49	SOFT	O	Soft test terminal
50	SEN	O	Audio indicator output
51	MOVIE A	O	LED driver output
52	MOVIE G	O	
53	MUSIC A	O	
54	MUSIC G	O	
55	I2C DATA	I/O	Serial data input/output
56	I2C CLK	I/O	Serial clock input/output
57	GAME A	O	LED driver output
58	GAME G	O	
59	PLACE A	O	
60	PLACE G	O	
61	PFILE A	O	
62	PFILE G	O	
63	GROOVE	O	
64	+/-	O	
65	JOG	O	
66	ENTER	O	
67	EFFECT	O	
68	KEYCON G	—	Not used
69	KEYCON A	—	
70	NON STOP	O	LED driver output
71	VSS	—	Ground
72	DELAY	O	LED driver output
73	REVER B	O	
74	SUFFIX0	I	Destination terminal
75	SUFFIX1	I	
76	SUFFIX2	I	
77	SUFFIX3	I	
78	WJ1/WJ3	I	Model select terminal
79	GND	—	Ground
80	VCD	I	VCD select terminal “L”: NON-VCD (Connected to ground)

Pin No.	Pin Name	I/O	Description
81	GND	—	Ground
82	MOTOR1	O	Panel motor control output
83	MOTOR2	O	
84	PANEL OPEN	O	Panel open switch output
85	PANEL CLOSE	O	Panel close switch output
86	ST. MUTE	O	ST mute signal output
87	STEREO	I	Stereo detection input for tuner
88	TUNED	I	Tuner detection input for tuner
89	LAT	O	Tuner PLL latch output
90	DATA IN	I	Tuner PLL data input
91	PCL OUT	O	Sub clock output
92	DATA OUT	O	Tuner PLL data output
93	CLK	O	Tuner clock output
94	POWER ON/OFF	O	Power on/off control output
95	GEQ LAT	O	GEQ latch output
96	GEQ DATA	O	GEQ data output
97	GEQ CLK	O	GEQ clock output
98	LAT1	—	Not used
99	LAT2	—	
100	DATA	—	

- Abbreviation
 GEQ : Graphic Equalizer
 PLL : Phase Locked Loop

SECTION 5 EXPLODED VIEWS

NOTE:

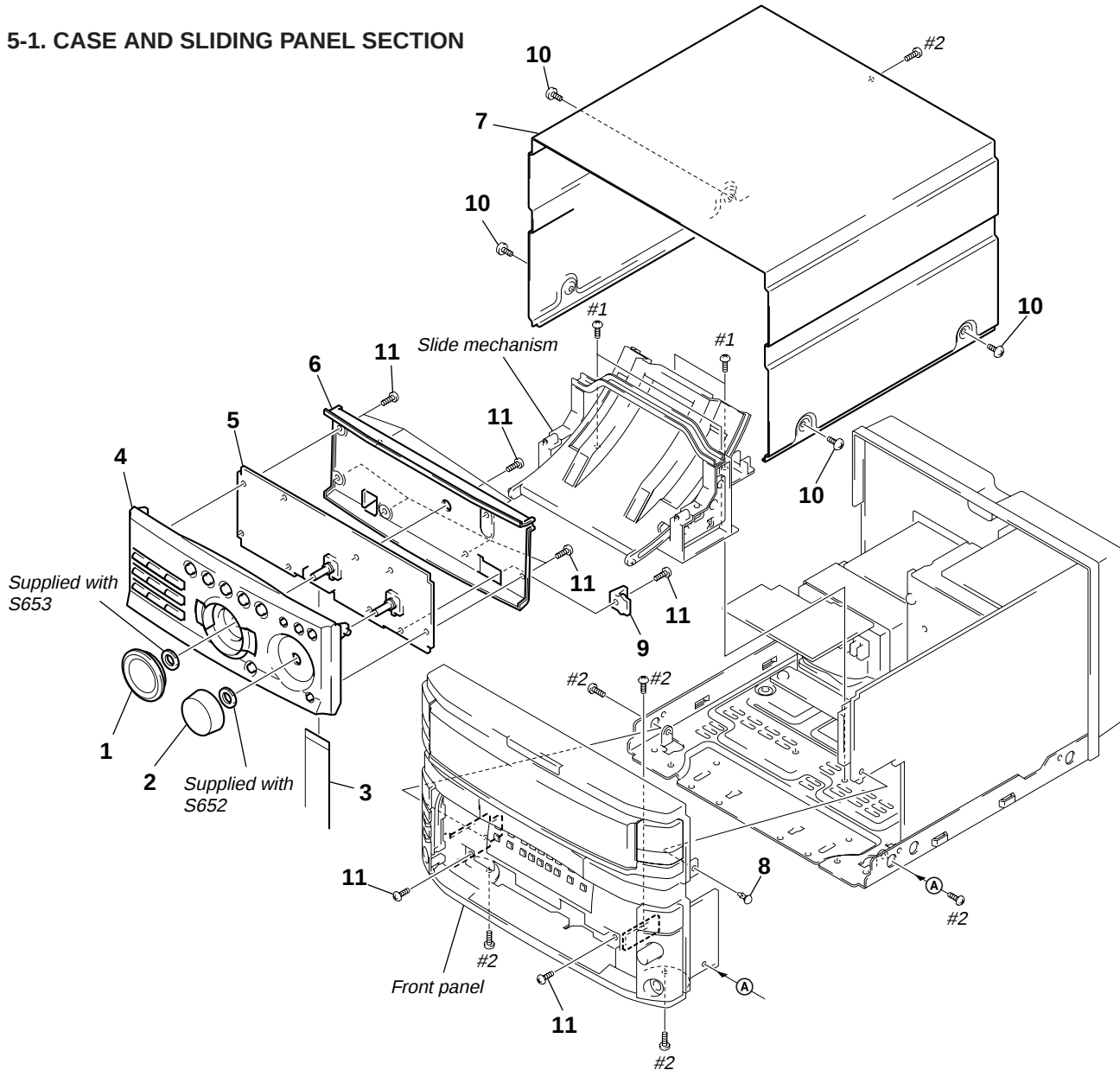
- -XX, -X mean standardized parts, so they may have some differences from the original one.
- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Abbreviation
 HK : Hong Kong
 SP : Singapore
 MY : Malaysia
 CH : Chinese
 TH : Thai
 IA : Indonesia
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.

When indicating parts by reference number, please include the board name.

The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

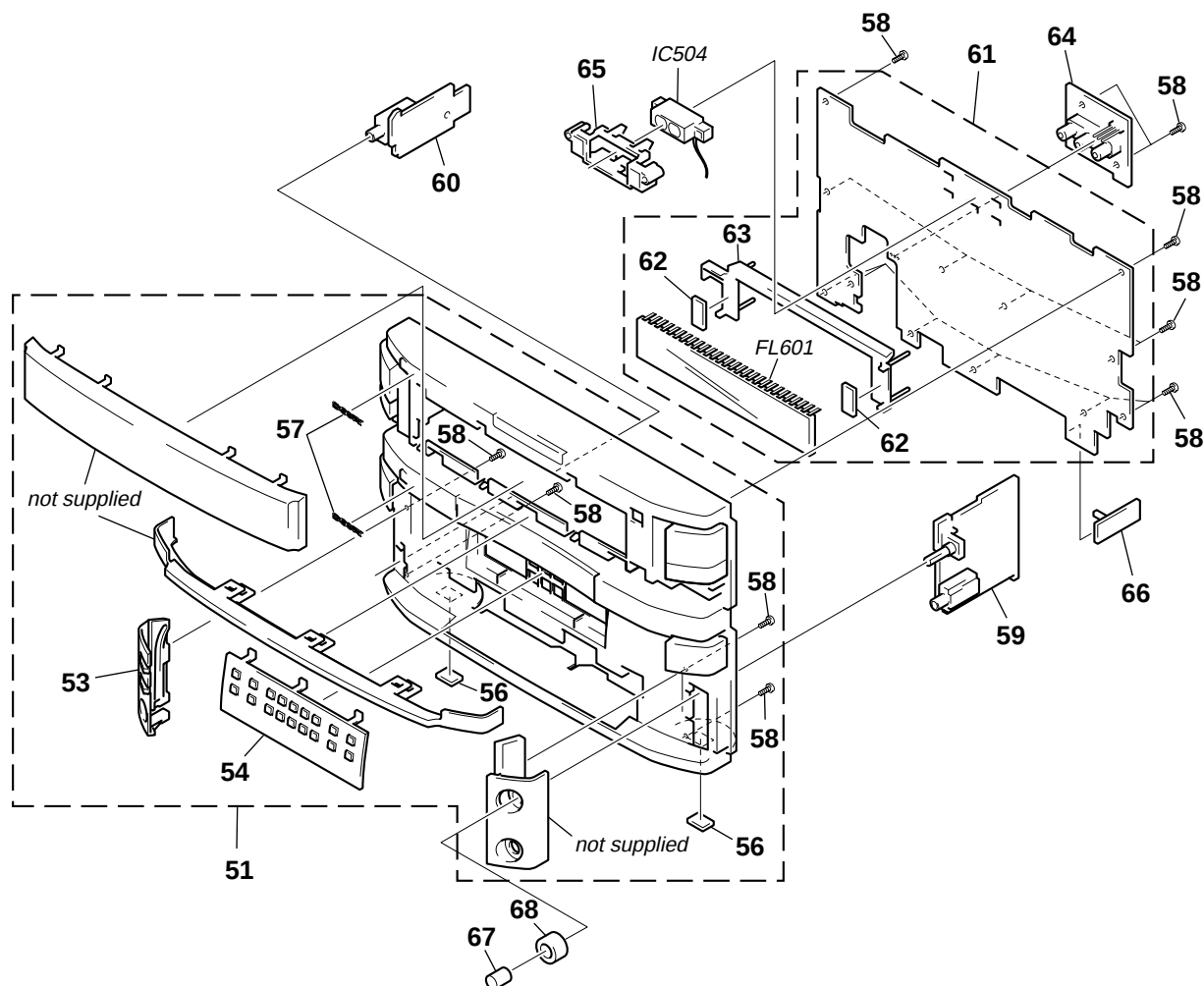
以阴影和 Δ 标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

5-1. CASE AND SLIDING PANEL SECTION



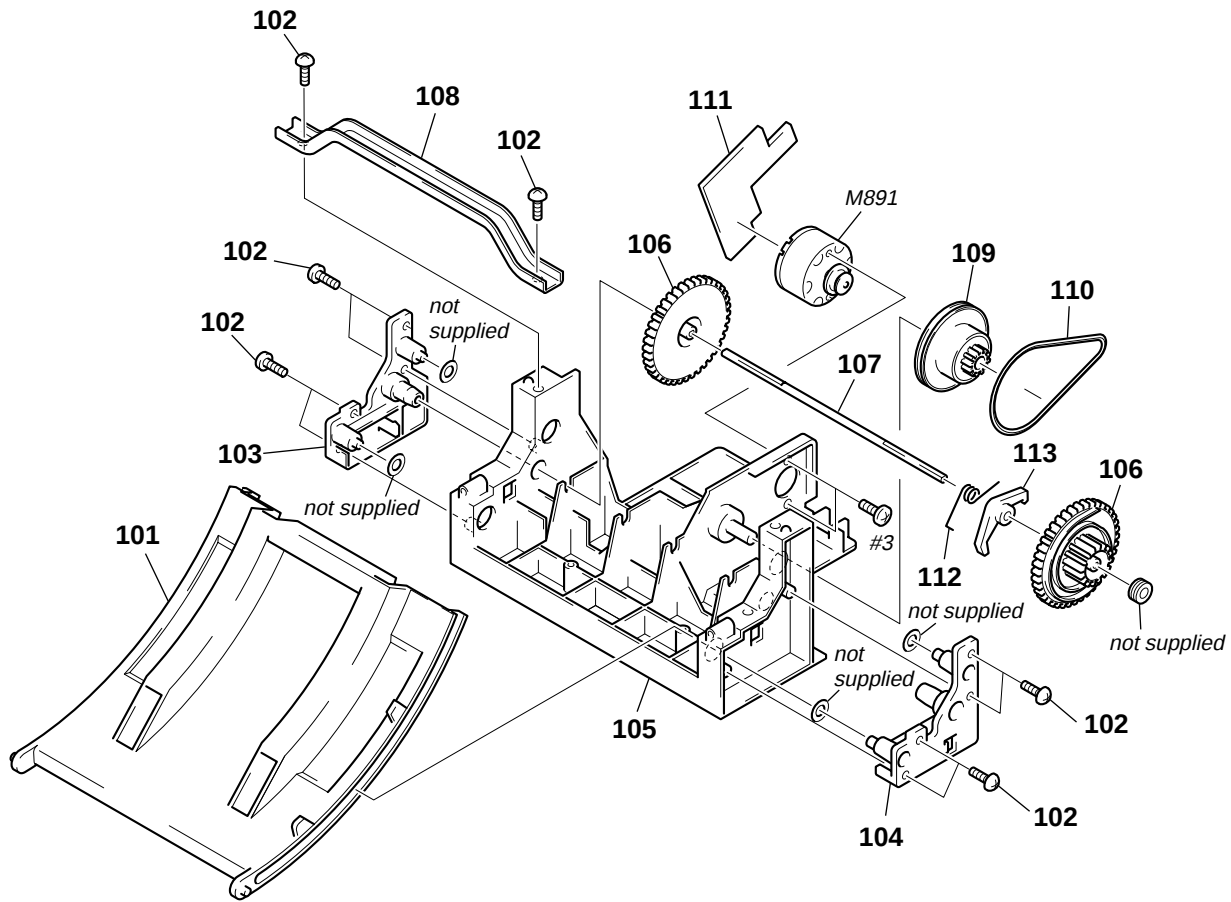
Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
1	4-900-825-01	KNOB (JOG)		6	4-900-855-01	COVER	
2	4-900-826-01	KNOB (VOLUME)		* 7	4-900-858-01	CASE	
3	1-773-125-11	WIRE (FLAT TYPE) (19 CORE)		8	4-812-134-00	RIVET (DIA. 3.5), NYLON	
4	X-4950-248-1	SLIDING PANEL SUB ASSY (V5550)		* 9	4-900-852-01	HOLDER LEVEL	
4	X-4950-249-1	SLIDING PANEL SUB ASSY (V7770)		10	3-363-099-01	SCREW (CASE 3 TP2)	
* 5	A-4414-709-A	LOADING PANEL BOARD, COMPLETE		11	4-951-620-11	SCREW (2.6 × 10), +BVTP	

5-2. FRONT PANEL SECTION



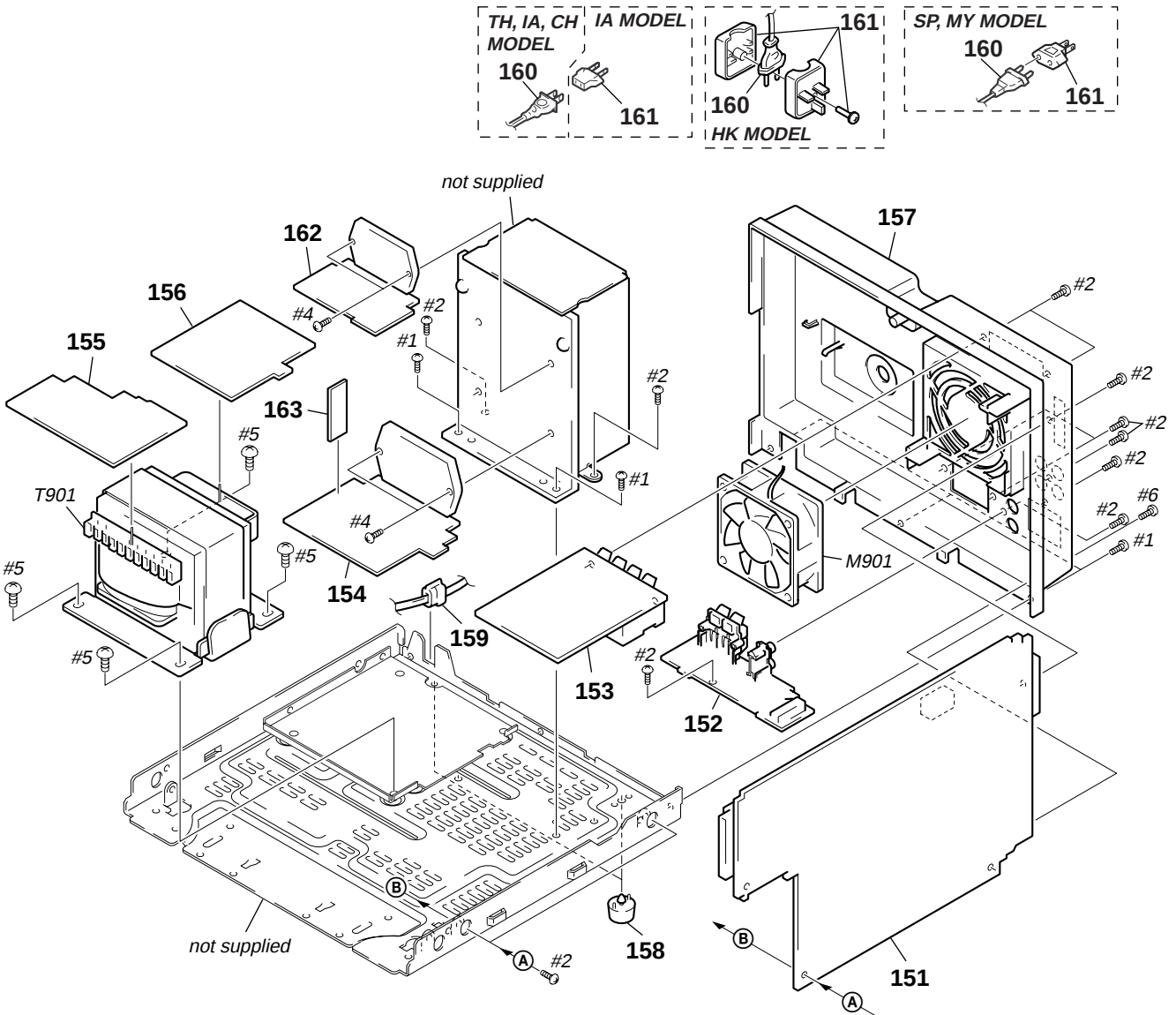
Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
51	X-4950-247-1	FRONT PANEL ASSY (V5550)		* 61	A-4417-076-A	PANEL BOARD, COMPLETE	
51	X-4950-324-1	FRONT PANEL ASSY (V7770)				(V7770: HK, MY, SP, CH)	
53	X-4949-993-1	ESCUTCHEON (L) ASSY		* 61	A-4417-069-A	PANEL BOARD, COMPLETE (V7770: TH)	
54	X-4949-994-1	ESCUTCHEON (EQ) ASSY		* 62	4-932-810-11	CUSHION (FL)	
56	4-977-358-11	CUSHION		* 63	4-900-849-01	HOLDER (FL)	
				* 64	1-669-957-11	FRONT AV BOARD	
57	4-962-708-11	EMBLEM (4-A), SONY		65	4-900-845-01	BRACKET SLIDER	
58	4-951-620-01	SCREW (2.6 × 8), +BVT		* 66	1-669-964-11	DETECTOR BOARD	
* 59	A-4414-708-A	MIC/ECHO BOARD, COMPLETE		67	4-900-868-01	KNOB (CENTER)	
* 60	1-669-960-11	HEADPHONE BOARD		68	4-900-867-01	KNOB (CONTROL)	
* 61	A-4417-072-A	PANELBOARD, COMPLETE		FL601	1-517-775-11	INDICATOR TUBE, FLUORESCENT	
		(V5550: HK, MY, SP, CH)					
* 61	A-4414-737-A	PANEL BOARD, COMPLETE (V5550: IA)		IC504	8-719-070-85	IC KU381-40	

5-3. SLIDE MECHANISM SECTION



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
101	4-900-844-01	LEVEL SLIDER		108	4-900-864-01	BRACKET TOP	
102	4-951-620-01	SCREW (2.6X8), +BVTP		109	4-900-847-01	GEAR (2)	
103	X-4950-394-1	HOLDER (L) ASSY		110	3-344-059-01	BELT (L)	
104	X-4950-395-1	HOLDER (R) ASSY		* 111	1-669-965-11	MOTOR BOARD	
* 105	4-210-042-01	BRACKET (SENSOR)		112	4-212-966-01	SPRING LEVEL	
106	4-900-846-01	GEAR (1)		113	4-212-965-01	STOPPER LEVEL	
107	4-900-862-01	SHAFT CENTER		M891	A-4660-926-A	MOTOR (CDM) ASSY	

5-4. CIRCUIT BOARDS AND BACK PANEL SECTION



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
* 151	A-4414-198-A	MAIN BOARD, COMPLETE (V5550)		158	4-970-381-11	FOOT (REAR)	
* 151	A-4414-215-A	MAIN BOARD, COMPLETE (V7770)		* 159	3-703-244-00	BUSHING (2104), CORD (EXCEPT TH)	
* 152	1-669-963-11	SURR SPK BOARD		* 159	3-703-571-11	BUSHING (S) (4516), CORD (TH)	
153	1-233-545-31	ENCAPSULATED COMPONENT (TH)		△ 160	1-751-326-31	CORD, POWER (TH)	
153	1-233-546-31	ENCAPSULATED COMPONENT (EXCEPT TH)		△ 160	1-777-071-21	CORD, POWER (HK, MY, SP)	
* 154	A-4414-209-A	POWER AMP BOARD, COMPLETE (V5550: HK, MY, SP, CH)		△ 160	1-782-315-11	CORD, POWER (IA)	
* 154	A-4414-734-A	POWER AMP BOARD, COMPLETE (V5550: IA)		△ 160	1-783-205-11	CORD, POWER (CH)	
* 154	A-4414-221-A	POWER AMP BOARD, COMPLETE (V7770: HK, MY, SP, CH)		△ 161	1-569-007-11	ADAPTOR, CONVERSION 2P (IA)	
* 154	A-4414-784-A	POWER AMP BOARD, COMPLETE (V7770: TH)		△ 161	1-569-008-21	ADAPTOR, CONVERSION 2P (MY, SP)	
* 155	1-669-954-11	SECONDARY BOARD		△ 161	1-770-019-11	ADAPTOR, CONVERSION PLUG 3P (HK)	
* 156	1-669-953-11	PRIMARY BOARD		* 162	A-4414-219-A	SURR AMP BOARD, COMPLETE (V7770)	
* 157	4-900-848-51	BACK PANEL (V5550: HK, MY, SP, IA)		* 163	1-669-961-11	CONNECTOR BOARD (V7770)	
* 157	4-900-848-61	BACK PANEL (V7770: HK, MY, SP)		M901	1-763-117-11	FAN, DC	
* 157	4-900-848-71	BACK PANEL (V7770: TH, CH)		△ T901	1-431-901-11	TRANSFORMER, POWER (V7770)	
* 157	4-900-848-81	BACK PANEL (V5550: CH)		△ T901	1-431-904-11	TRANSFORMER, POWER (V5550)	

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

以阴影和 △ 标志来识别的零部件，在安全方面具有关键性。因此只能以规定号码的零部件来更换。

CONNECTOR

FRONT AV

HEADPHONE

LOADING PANEL

SECTION 6

ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Abbreviation
 - HK : Hong Kong
 - SP : Singapore
 - MY : Malaysia
 - CH : Chinese
 - TH : Thai
 - IA : Indonesia
- CAPACITORS:
uF: μF
- RESISTORS
All resistors are in ohms.
METAL: metal-film resistor
METAL OXIDE: Metal Oxide-film resistor
F: nonflammable
- COILS
uH: μH

When indicating parts by reference number, please include the board name.

- SEMICONDUCTORS
In each case, u: μ, for example:
uA...: μA..., uPA..., μPA...,
uPB..., μPB..., uPC..., μPC...,
uPD..., μPD...

The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

以阴影和 Δ 标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

Ref. No.	Part No.	Description	Remarks				Ref. No.	Part No.	Description	Remarks				
*	1-669-961-11	CONNECTOR BOARD (V7770) *****							< RESISTOR >					
		< CONNECTOR >					R6301	1-249-417-11	CARBON	1K	5%	1/4W	F	
							R6302	1-249-417-11	CARBON	1K	5%	1/4W	F	
							R6303	1-249-441-11	CARBON	100K	5%	1/4W		
* CN905	1-691-174-11	CONNECTOR (BOARD TO BOARD) 4P					R6304	1-249-441-11	CARBON	100K	5%	1/4W		
CN906	1-691-161-11	PIN, CONNECTOR 4P					R6305	1-249-425-11	CARBON	4.7K	5%	1/4W	F	
*	1-669-964-11	DETECTOR BOARD												
* CN505	1-568-941-11	PIN, CONNECTOR 3P					R6306	1-249-425-11	CARBON	4.7K	5%	1/4W	F	
		< SWITCH >					R6307	1-249-425-11	CARBON	4.7K	5%	1/4W	F	
							R6308	1-249-429-11	CARBON	10K	5%	1/4W		

S892	1-571-300-21	SWITCH, ROTARY (PANEL OPEN/CLOSE)					*	1-669-960-11	HEADPHONE BOARD *****					

*	1-669-957-11	FRONT AV BOARD *****							< CAPACITOR >					
		< CAPACITOR >												
C6301	1-162-282-31	CERAMIC	100PF	10%	50V		C790	1-162-306-11	CERAMIC	0.01uF	20%	16V		
C6302	1-162-282-31	CERAMIC	100PF	10%	50V		C791	1-162-294-31	CERAMIC	0.001uF	10%	50V		
C6303	1-162-306-11	CERAMIC	0.01uF	20%	16V		C792	1-162-294-31	CERAMIC	0.001uF	10%	50V		
C6304	1-164-159-11	CERAMIC	0.1uF		50V				< CONNECTOR >					
		(EXCEPT IA, TH)					* CN790	1-568-944-11	PIN, CONNECTOR 6P					
		< CONNECTOR >							< TERMINAL >					
* CN6301	1-564-520-11	PLUG, CONNECTOR 5P					* G790	1-537-738-21	TERMINAL, EARTH					
* CN6302	1-560-666-00	PIN, CONNECTOR 3P							< JACK >					
		< DIODE >					J755	1-770-226-11	JACK (LARGE TYPE)(PHONES)				*****	
D6301	8-719-911-19	DIODE	1SS119					*	A-4414-709-A	LOADING PANEL BOARD, COMPLETE *****				
D6302	8-719-911-19	DIODE	1SS119							< CAPACITOR >				
D6303	8-719-911-19	DIODE	1SS119					C626	1-124-584-00	ELECT	100uF	20%	10V	
		< JACK >					C627	1-162-306-11	CERAMIC	0.01uF	20%	16V		
J6301	1-784-901-11	JACK, PIN 3P (AV INPUT)					C628	1-162-306-11	CERAMIC	0.01uF	20%	16V		
		< COIL >					C629	1-162-306-11	CERAMIC	0.01uF	20%	16V		
L6301	1-412-473-21	INDUCTOR	0uH (EXCEPT IA, TH)					C630	1-162-306-11	CERAMIC	0.01uF	20%	16V	
		< TRANSISTOR >							< CONNECTOR >					
Q6301	8-729-900-36	TRANSISTOR	DTC124ES					CN630	1-569-308-11	SOCKET, CONNECTOR (L TYPE) 19P				

Ref. No.	Part No.	Description	Remarks				Ref. No.	Part No.	Description	Remarks			
< DIODE >							R661	1-249-429-11	CARBON	10K	5%	1/4W	
							R662	1-249-429-11	CARBON	10K	5%	1/4W	
D631	8-719-046-39	DIODE	SEL5821A-TH15 (GROOVE)				R663	1-249-429-11	CARBON	10K	5%	1/4W	
D632	8-719-046-44	DIODE	SEL5221S (REW)				R665	1-247-843-11	CARBON	3.3K	5%	1/4W	
D633	8-719-058-04	DIODE	SEL5223S-TP15 (MULTI JOG STATION)				R666	1-247-843-11	CARBON	3.3K	5%	1/4W	
D634	8-719-046-44	DIODE	SEL5221S (ENTER/NEXT)										
D635	8-719-046-44	DIODE	SEL5221S (EFFECT ON/OFF)				R671	1-247-807-31	CARBON	100	5%	1/4W	
						R672	1-247-807-31	CARBON	100	5%	1/4W		
D636	8-719-046-43	DIODE	SEL5421E-TP15 (KEY CONTROL #)				R673	1-247-807-31	CARBON	100	5%	1/4W	
D637	8-719-046-39	DIODE	SEL5821A-TH15 (KEY CONTROL b)				R674	1-247-807-31	CARBON	100	5%	1/4W	
D638	8-719-046-44	DIODE	SEL5221S (NON-STOP)				R675	1-247-807-31	CARBON	100	5%	1/4W	
D639	8-719-046-44	DIODE	SEL5221S (DSP)										
D640	8-719-046-44	DIODE	SEL5221S (PROLOGIC)				R676	1-247-807-31	CARBON	100	5%	1/4W	
						R677	1-247-807-31	CARBON	100	5%	1/4W		
D641	8-719-046-44	DIODE	SEL5221S (FF)				R678	1-247-807-31	CARBON	100	5%	1/4W	
D642	8-719-058-04	DIODE	SEL5223S-TP15 (MULTI JOG STATION)				R679	1-247-807-31	CARBON	100	5%	1/4W	
						R680	1-247-807-31	CARBON	100	5%	1/4W		
< TRANSISTOR >							< SWITCH >						
Q531	8-729-900-80	TRANSISTOR	DTC114ES										
Q532	8-729-900-80	TRANSISTOR	DTC114ES				S631	1-762-378-11	SWITCH, TACTILE (REW)				
Q533	8-729-900-80	TRANSISTOR	DTC114ES				S632	1-762-378-11	SWITCH, TACTILE (GAME)				
Q534	8-729-900-80	TRANSISTOR	DTC114ES				S633	1-762-378-11	SWITCH, TACTILE (MUSIC)				
Q535	8-729-900-80	TRANSISTOR	DTC114ES				S634	1-762-378-11	SWITCH, TACTILE (MOVIE)				
						S635	1-762-378-11	SWITCH, TACTILE (PROLOGIC)					
Q536	8-729-900-80	TRANSISTOR	DTC114ES				S636	1-762-378-11	SWITCH, TACTILE (CD REPEAT)				
Q537	8-729-900-80	TRANSISTOR	DTC114ES				S637	1-762-378-11	SWITCH, TACTILE (FLASH)				
Q538	8-729-900-80	TRANSISTOR	DTC114ES				S638	1-762-378-11	SWITCH, TACTILE (DSP)				
Q539	8-729-900-80	TRANSISTOR	DTC114ES				S639	1-762-378-11	SWITCH, TACTILE (CD PLAY MODE)				
Q540	8-729-900-80	TRANSISTOR	DTC114ES				S640	1-762-378-11	SWITCH, TACTILE (CD EDIT)				
< RESISTOR >							S641	1-762-378-11	SWITCH, TACTILE (NON-STOP)				
R631	1-249-410-11	CARBON	270	5%	1/4W	F	S642	1-762-378-11	SWITCH, TACTILE (DBFB)				
R632	1-249-407-11	CARBON	150	5%	1/4W	F	S643	1-762-378-11	SWITCH, TACTILE (ENTER/NEXT)				
R633	1-249-403-11	CARBON	68	5%	1/4W	F	S644	1-762-378-11	SWITCH, TACTILE (FF)				
R634	1-249-407-11	CARBON	150	5%	1/4W	F	S645	1-762-378-11	SWITCH, TACTILE (GROOVE)				
R635	1-249-413-11	CARBON	470	5%	1/4W	F							
							S646	1-762-378-11	SWITCH, TACTILE (KEY CONTROL #)				
R636	1-249-410-11	CARBON	270	5%	1/4W	F	S647	1-762-378-11	SWITCH, TACTILE (KEY CONTROL b)				
R637	1-249-410-11	CARBON	270	5%	1/4W	F	S648	1-762-378-11	SWITCH, TACTILE (EFFECT ON/OFF)				
R638	1-249-413-11	CARBON	470	5%	1/4W	F	S649	1-762-378-11	SWITCH, TACTILE (P FILE)				
R639	1-249-413-11	CARBON	470	5%	1/4W	F	S650	1-762-378-11	SWITCH, TACTILE (PLACE)				
R640	1-249-413-11	CARBON	470	5%	1/4W	F							
							S651	1-762-378-11	SWITCH, TACTILE (LOOP)				
R641	1-247-807-31	CARBON	100	5%	1/4W		S652	1-473-392-11	ENCODER, ROTARY (VOLUME)				
R642	1-249-407-11	CARBON	150	5%	1/4W	F	S653	1-467-968-11	ENCODER, ROTARY (MULTI JOG STATION)				
R643	1-249-409-11	CARBON	220	5%	1/4W	F	*****						
R644	1-249-411-11	CARBON	330	5%	1/4W								
R645	1-249-411-11	CARBON	330	5%	1/4W		*	A-4414-198-A	MAIN BOARD, COMPLETE (V5550)				

R646	1-249-413-11	CARBON	470	5%	1/4W	F	*	A-4414-215-A	MAIN BOARD, COMPLETE (V7770)				
R647	1-249-415-11	CARBON	680	5%	1/4W	F			*****				
R648	1-249-417-11	CARBON	1K	5%	1/4W	F							
R649	1-249-419-11	CARBON	1.5K	5%	1/4W	F		7-685-872-09	SCREW +BVTT 3 × 8 (S)				
R650	1-249-421-11	CARBON	2.2K	5%	1/4W	F							
< CAPACITOR >													
R651	1-247-843-11	CARBON	3.3K	5%	1/4W								
R652	1-249-417-11	CARBON	1K	5%	1/4W	F	C103	1-126-963-11	ELECT	4.7uF	20%	50V	
R653	1-247-807-31	CARBON	100	5%	1/4W		C105	1-164-159-11	CERAMIC	0.1uF		50V	
R654	1-249-407-11	CARBON	150	5%	1/4W	F	C108	1-126-160-11	ELECT	1uF	20%	50V	
R655	1-249-409-11	CARBON	220	5%	1/4W	F	C111	1-136-171-00	FILM	0.33uF	5%	50V	
							C112	1-136-161-00	FILM	0.047uF	5%	50V	
R656	1-249-411-11	CARBON	330	5%	1/4W		C113	1-164-159-11	CERAMIC	0.1uF		50V	
R657	1-249-411-11	CARBON	330	5%	1/4W		C114	1-130-480-00	MYLAR	0.0056uF	5%	50V	
R658	1-249-413-11	CARBON	470	5%	1/4W	F	C115	1-136-159-00	FILM	0.033uF	5%	50V	
R659	1-249-415-11	CARBON	680	5%	1/4W	F	C116	1-162-301-11	CERAMIC	0.0015uF	20%	16V	
R660	1-249-429-11	CARBON	10K	5%	1/4W		C117	1-162-306-11	CERAMIC	0.01uF	20%	16V	

MAIN

Ref. No.	Part No.	Description			Remarks
C118	1-162-290-31	CERAMIC	470PF	10%	50V
C119	1-162-600-11	CERAMIC	0.0047uF	30%	16V
C121	1-126-964-11	ELECT	10uF	20%	50V
C122	1-162-291-31	CERAMIC	560PF	10%	50V
C123	1-136-165-00	FILM	0.1uF	5%	50V
C124	1-136-165-00	FILM	0.1uF	5%	50V
C125	1-164-159-11	CERAMIC	0.1uF		50V
C126	1-126-964-11	ELECT	10uF	20%	50V
C127	1-104-665-11	ELECT	100uF	20%	10V
C128	1-164-159-11	CERAMIC	0.1uF		50V
C129	1-126-964-11	ELECT	10uF	20%	50V
C131	1-126-961-11	ELECT	2.2uF	20%	50V
C134	1-104-664-11	ELECT	47uF	20%	25V
C135	1-126-959-11	ELECT	0.47uF	20%	50V
C153	1-126-963-11	ELECT	4.7uF	20%	50V
C161	1-136-171-00	FILM	0.33uF	5%	50V
C162	1-136-161-00	FILM	0.047uF	5%	50V
C163	1-164-159-11	CERAMIC	0.1uF		50V
C164	1-130-480-00	MYLAR	0.0056uF	5%	50V
C165	1-136-159-00	FILM	0.033uF	5%	50V
C166	1-162-301-11	CERAMIC	0.0015uF	20%	16V
C167	1-162-306-11	CERAMIC	0.01uF	20%	16V
C168	1-162-290-31	CERAMIC	470PF	10%	50V
C169	1-162-600-11	CERAMIC	0.0047uF	30%	16V
C171	1-126-964-11	ELECT	10uF	20%	50V
C172	1-162-291-31	CERAMIC	560PF	10%	50V
C173	1-136-165-00	FILM	0.1uF	5%	50V
C174	1-136-165-00	FILM	0.1uF	5%	50V
C175	1-136-495-11	FILM	0.068uF	5%	50V
C176	1-162-306-11	CERAMIC	0.01uF	20%	16V
C177	1-104-665-11	ELECT	100uF	20%	10V
C178	1-164-159-11	CERAMIC	0.1uF		50V
C181	1-126-961-11	ELECT	2.2uF	20%	50V
C183	1-126-960-11	ELECT	1uF	20%	50V
C184	1-162-303-11	CERAMIC	0.0033uF	30%	16V
C186	1-162-292-31	CERAMIC	680PF	10%	50V
C187	1-126-961-11	ELECT	2.2uF	20%	50V
C188	1-126-960-11	ELECT	1uF	20%	50V
C301	1-126-959-11	ELECT	0.47uF	20%	50V (V7770)
C302	1-126-963-11	ELECT	4.7uF	20%	50V (V7770)
C303	1-126-959-11	ELECT	0.47uF	20%	50V (V7770)
C304	1-126-963-11	ELECT	4.7uF	20%	50V (V7770)
C305	1-136-167-00	FILM	0.15uF	5%	50V (V7770)
C306	1-126-962-11	ELECT	3.3uF	20%	50V (V7770)
C307	1-136-167-00	FILM	0.15uF	5%	50V (V7770)
C308	1-136-167-00	FILM	0.15uF	5%	50V (V7770)
C309	1-126-962-11	ELECT	3.3uF	20%	50V (V7770)
C310	1-136-167-00	FILM	0.15uF	5%	50V (V7770)
C311	1-126-963-11	ELECT	4.7uF	20%	50V (V7770)
C312	1-126-959-11	ELECT	0.47uF	20%	50V (V7770)

Ref. No.	Part No.	Description			Remarks
C313	1-126-963-11	ELECT	4.7uF	20%	50V (V7770)
C314	1-126-959-11	ELECT	0.47uF	20%	50V (V7770)
C315	1-136-165-00	FILM	0.1uF	5%	50V (V7770)
C316	1-136-165-00	FILM	0.1uF	5%	50V (V7770)
C317	1-126-961-11	ELECT	2.2uF	20%	50V (V7770)
C318	1-126-961-11	ELECT	2.2uF	20%	50V (V7770)
C319	1-104-664-11	ELECT	47uF	20%	25V (V7770)
C320	1-136-173-00	FILM	0.47uF	5%	50V (V7770)
C321	1-161-494-00	CERAMIC	0.022uF		25V (V7770)
C322	1-136-161-00	FILM	0.047uF	5%	50V (V7770)
C323	1-162-292-31	CERAMIC	680PF	10%	50V (V7770)
C324	1-126-934-11	ELECT	220uF	20%	10V (V7770)
C325	1-136-164-00	FILM	0.082uF	5%	50V (V7770)
C326	1-162-303-11	CERAMIC	0.0033uF	30%	16V (V7770)
C327	1-136-164-00	FILM	0.082uF	5%	50V (V7770)
C328	1-126-959-11	ELECT	0.47uF	20%	50V (V7770)
C329	1-124-252-00	ELECT	0.33uF	20%	50V (V7770)
C330	1-126-961-11	ELECT	2.2uF	20%	50V (V7770)
C331	1-136-165-00	FILM	0.1uF	5%	50V (V7770)
C332	1-126-964-11	ELECT	10uF	20%	50V (V7770)
C333	1-126-961-11	ELECT	2.2uF	20%	50V (V7770)
C334	1-126-964-11	ELECT	10uF	20%	50V (V7770)
C335	1-136-165-00	FILM	0.1uF	5%	50V (V7770)
C336	1-126-934-11	ELECT	220uF	20%	10V (V7770)
C337	1-126-964-11	ELECT	10uF	20%	50V (V7770)
C338	1-126-964-11	ELECT	10uF	20%	50V (V7770)
C339	1-126-961-11	ELECT	2.2uF	20%	50V (V7770)
C340	1-126-934-11	ELECT	220uF	20%	10V (V7770)
C341	1-126-961-11	ELECT	2.2uF	20%	50V (V7770)
C342	1-126-934-11	ELECT	220uF	20%	10V (V7770)

Ref. No.	Part No.	Description				Remarks	Ref. No.	Part No.	Description				Remarks
C343	1-126-934-11	ELECT	220uF	20%	10V	(V7770)	C408	1-164-159-11	CERAMIC	0.1uF			50V (V5550)
C344	1-126-964-11	ELECT	10uF	20%	50V	(V7770)	C409	1-104-664-11	ELECT	47uF	20%		25V (V5550)
C345	1-126-964-11	ELECT	10uF	20%	50V	(V7770)	C410	1-136-495-11	FILM	0.068uF	5%		50V (V5550)
C346	1-126-964-11	ELECT	10uF	20%	50V	(V7770)	C411	1-162-305-11	CERAMIC	0.0068uF	20%		16V (V5550)
C347	1-126-964-11	ELECT	10uF	20%	50V	(V7770)	C412	1-162-294-31	CERAMIC	0.001uF	10%		50V (V5550)
C348	1-136-165-00	FILM	0.1uF	5%	50V	(V7770)	C413	1-126-964-11	ELECT	10uF	20%		50V (V5550)
C349	1-136-165-00	FILM	0.1uF	5%	50V	(V7770)	C414	1-126-964-11	ELECT	10uF	20%		50V (V5550)
C350	1-164-159-11	CERAMIC	0.1uF		50V	(V7770)	C415	1-104-664-11	ELECT	47uF	20%		25V (V5550)
C351	1-164-159-11	CERAMIC	0.1uF		50V	(V7770)	C416	1-104-664-11	ELECT	47uF	20%		25V (V5550)
C352	1-164-159-11	CERAMIC	0.1uF		50V	(V7770)	C417	1-126-964-11	ELECT	10uF	20%		50V (V5550)
C353	1-126-960-11	ELECT	1uF	20%	50V	(V7770)	C418	1-126-964-11	ELECT	10uF	20%		50V (V5550)
C354	1-126-960-11	ELECT	1uF	20%	50V	(V7770)	C731	1-104-664-11	ELECT	47uF	20%		25V
C355	1-162-210-31	CERAMIC	30PF	5%	50V	(V7770)	C732	1-126-964-11	ELECT	10uF	20%		50V
C356	1-162-210-31	CERAMIC	30PF	5%	50V	(V7770)	C801	1-136-165-00	FILM	0.1uF	5%		50V
C357	1-164-159-11	CERAMIC	0.1uF		50V	(V7770)	C802	1-136-165-00	FILM	0.1uF	5%		50V
C361	1-162-282-31	CERAMIC	100PF	10%	50V	(V7770)	C803	1-104-482-11	ELECT	4700uF	20%		63V
C362	1-126-961-11	ELECT	2.2uF	20%	50V	(V7770)	C804	1-104-482-11	ELECT	4700uF	20%		63V
C363	1-104-664-11	ELECT	47uF	20%	25V	(V7770)	C805	1-126-948-11	ELECT	100uF	20%		35V
C364	1-164-159-11	CERAMIC	0.1uF		50V	(V7770)	C806	1-126-964-11	ELECT	10uF	20%		50V
C371	1-162-282-31	CERAMIC	100PF	10%	50V	(V7770)	C807	1-136-165-00	FILM	0.1uF	5%		50V
C372	1-126-961-11	ELECT	2.2uF	20%	50V	(V7770)	C808	1-136-165-00	FILM	0.1uF	5%		50V
C373	1-104-664-11	ELECT	47uF	20%	25V	(V7770)	C809	1-126-943-11	ELECT	2200uF	20%		25V
C374	1-164-159-11	CERAMIC	0.1uF		50V	(V7770)	C810	1-126-943-11	ELECT	2200uF	20%		25V
C401	1-126-964-11	ELECT	10uF	20%	50V	(V5550)	C815	1-126-940-11	ELECT	330uF	20%		25V
C402	1-162-306-11	CERAMIC	0.01uF	20%	16V	(V5550)	C816	1-126-951-11	ELECT	470uF	20%		35V (V5550)
C403	1-162-294-31	CERAMIC	0.001uF	10%	50V	(V5550)	C816	1-126-952-11	ELECT	1000uF	20%		35V (V7770)
C404	1-136-495-11	FILM	0.068uF	5%	50V	(V5550)	C818	1-126-959-11	ELECT	0.47uF	20%		50V
C405	1-126-957-11	ELECT	0.22uF	20%	50V	(V5550)	C819	1-104-664-11	ELECT	47uF	20%		25V
C406	1-126-957-11	ELECT	0.22uF	20%	50V	(V5550)	C820	1-126-959-11	ELECT	0.47uF	20%		50V
C407	1-104-664-11	ELECT	47uF	20%	25V	(V5550)	C821	1-104-664-11	ELECT	47uF	20%		25V
							C822	1-126-940-11	ELECT	330uF	20%		25V
							C823	1-126-960-11	ELECT	1uF	20%		50V
							C824	1-104-665-11	ELECT	100uF	20%		10V
							C825	1-126-959-11	ELECT	0.47uF	20%		50V
							C826	1-104-664-11	ELECT	47uF	20%		25V
							C851	1-126-964-11	ELECT	10uF	20%		50V
							C852	1-104-665-11	ELECT	100uF	20%		10V
							C853	1-164-159-11	CERAMIC	0.1uF			50V
							C854	1-126-961-11	ELECT	2.2uF	20%		50V
							C855	1-126-934-11	ELECT	220uF	20%		10V
							C856	1-104-665-11	ELECT	100uF	20%		10V

MAIN

Ref. No.	Part No.	Description	Remarks
< CONNECTOR >			
* CN101	1-764-017-21	HOUSING,CONNECTOR (PC BOARD) 17P	
CN103	1-774-289-11	PIN, CONNECTOR (PC BOARD) 15P	
* CN131	1-564-507-11	PLUG, CONNECTOR 4P	
CN301	1-691-765-21	PLUG (MICRO CONNECTOR) 3P (V7770)	
CN701	1-778-311-11	SOCKET, CONNECTOR (PC BOARD) 30P	
* CN731	1-569-496-11	SOCKET, CONNECTOR 10P	
CN801	1-691-773-11	PLUG (MICRO CONNECTOR) 11P	
< DIODE >			
D101	8-719-911-19	DIODE 1SS119	
D102	8-719-911-19	DIODE 1SS119	
D131	8-719-911-19	DIODE 1SS119	
D401	8-719-911-19	DIODE 1SS119 (V5550)	
D402	8-719-911-19	DIODE 1SS119 (V5550)	
D403	8-719-911-19	DIODE 1SS119 (V5550)	
D742	8-719-024-99	DIODE 11ES2-NTA2B (V7770)	
D743	8-719-911-19	DIODE 1SS119 (V7770)	
D746	8-719-911-19	DIODE 1SS119 (V7770)	
D751	8-719-911-19	DIODE 1SS119	
D752	8-719-911-19	DIODE 1SS119	
D761	8-719-911-19	DIODE 1SS119	
D781	8-719-024-99	DIODE 11ES2-NTA2B	
D801	8-719-302-38	DIODE RBV-602-01	
D802	8-719-911-19	DIODE 1SS119	
D803	8-719-911-19	DIODE 1SS119	
D804	8-719-934-22	DIODE HZS30-2L	
D805	8-719-024-99	DIODE 11ES2-NTA2B	
D806	8-719-024-99	DIODE 11ES2-NTA2B	
D807	8-719-024-99	DIODE 11ES2-NTA2B	
D808	8-719-024-99	DIODE 11ES2-NTA2B	
D810	8-719-024-99	DIODE 11ES2-NTA2B	
D811	8-719-024-99	DIODE 11ES2-NTA2B	
D812	8-719-911-19	DIODE 1SS119	
D813	8-719-024-99	DIODE 11ES2-NTA2B	
D821	8-719-024-99	DIODE 11ES2-NTA2B	
D851	8-719-911-19	DIODE 1SS119	
D852	8-719-911-19	DIODE 1SS119	
D853	8-719-911-19	DIODE 1SS119	
< TERMINAL >			
* E801	1-537-738-21	TERMINAL, EARTH	
< IC >			
IC111	8-759-495-24	IC M62442FP-TP	
IC112	8-759-000-48	IC MC14052BCP	
IC113	8-759-634-51	IC M5218AP	
IC300	8-759-526-39	IC LV1041M (V7770)	
IC361	8-759-634-51	IC M5218AP (V7770)	
IC401	8-759-450-96	IC M65850P (V5550)	
IC402	8-759-140-53	IC UPD4053BC (V5550)	
IC801	8-759-604-86	IC M5F7807L	
IC802	8-759-604-90	IC M5F7907L	
IC803	8-759-231-53	IC TA7805S	
IC804	8-759-604-32	IC M5F7810	
IC851	8-759-111-68	IC UPC1237HA	

Ref. No.	Part No.	Description	Remarks
< JACK >			
J101	1-770-613-11	JACK, PIN 4P (MD/VIDEO 1)	
< COIL >			
L131	1-410-521-11	INDUCTOR 100uH	
L401	1-410-521-11	INDUCTOR 100uH (V5550)	
< TRANSISTOR >			
Q121	8-729-422-57	TRANSISTOR UN4111	
Q132	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q182	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q183	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q361	8-729-141-30	TRANSISTOR 2SC3623A-LK (V7770)	
Q371	8-729-141-30	TRANSISTOR 2SC3623A-LK (V7770)	
Q401	8-729-119-77	TRANSISTOR 2SA1175-FEK (V5550)	
Q731	8-729-140-04	TRANSISTOR 2SB1116A-L	
Q732	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q741	8-729-111-29	TRANSISTOR 2SD1616A-K (V7770)	
Q801	8-729-141-83	TRANSISTOR 2SB1094-LK	
Q851	8-729-900-63	TRANSISTOR DTA124ES	
Q852	8-729-900-36	TRANSISTOR DTC124ES	
Q853	8-729-900-36	TRANSISTOR DTC124ES	
< RESISTOR >			
R103	1-249-417-11	CARBON 1K 5% 1/4W	F
R104	1-249-441-11	CARBON 100K 5% 1/4W	
R105	1-249-441-11	CARBON 100K 5% 1/4W	
R106	1-249-417-11	CARBON 1K 5% 1/4W	F
R108	1-249-417-11	CARBON 1K 5% 1/4W	F
R109	1-249-441-11	CARBON 100K 5% 1/4W	
R113	1-247-903-00	CARBON 1M 5% 1/4W	
R114	1-247-903-00	CARBON 1M 5% 1/4W	
R115	1-249-433-11	CARBON 22K 5% 1/4W	
R116	1-249-419-11	CARBON 1.5K 5% 1/4W	F
R117	1-247-895-00	CARBON 470K 5% 1/4W	
R118	1-249-429-11	CARBON 10K 5% 1/4W (V5550)	
R119	1-249-441-11	CARBON 100K 5% 1/4W	
R120	1-249-441-11	CARBON 100K 5% 1/4W	
R121	1-249-417-11	CARBON 1K 5% 1/4W	F
R122	1-249-417-11	CARBON 1K 5% 1/4W	F
R123	1-249-421-11	CARBON 2.2K 5% 1/4W	F
R131	1-249-435-11	CARBON 33K 5% 1/4W	
R132	1-249-421-11	CARBON 2.2K 5% 1/4W	F
R134	1-249-435-11	CARBON 33K 5% 1/4W	
R135	1-249-439-11	CARBON 68K 5% 1/4W	
R136	1-247-883-00	CARBON 150K 5% 1/4W	
R138	1-249-437-11	CARBON 47K 5% 1/4W	
R139	1-247-903-00	CARBON 1M 5% 1/4W	
R140	1-249-441-11	CARBON 100K 5% 1/4W	
R141	1-249-417-11	CARBON 1K 5% 1/4W	F
R142	1-249-437-11	CARBON 47K 5% 1/4W	
R145	1-247-887-00	CARBON 220K 5% 1/4W	
R153	1-249-417-11	CARBON 1K 5% 1/4W	F
R154	1-249-441-11	CARBON 100K 5% 1/4W	

Ref. No.	Part No.	Description			Remarks	Ref. No.	Part No.	Description			Remarks
R155	1-249-441-11	CARBON	100K	5%	1/4W	R377	1-249-425-11	CARBON	4.7K	5%	1/4W
R156	1-249-417-11	CARBON	1K	5%	1/4W F						(V7770)
R158	1-249-417-11	CARBON	1K	5%	1/4W F	R401	1-249-421-11	CARBON	2.2K	5%	1/4W
R159	1-249-441-11	CARBON	100K	5%	1/4W						(V5550)
R163	1-247-903-00	CARBON	1M	5%	1/4W	R402	1-249-422-11	CARBON	2.7K	5%	1/4W
											(V5550)
R164	1-247-903-00	CARBON	1M	5%	1/4W	R403	1-249-426-11	CARBON	5.6K	5%	1/4W
R165	1-249-433-11	CARBON	22K	5%	1/4W						(V5550)
R166	1-249-419-11	CARBON	1.5K	5%	1/4W F	R404	1-249-439-11	CARBON	68K	5%	1/4W
R167	1-247-895-00	CARBON	470K	5%	1/4W						(V5550)
R172	1-249-429-11	CARBON	10K	5%	1/4W						
						R405	1-249-433-11	CARBON	22K	5%	1/4W
R173	1-249-421-11	CARBON	2.2K	5%	1/4W F						(V5550)
R181	1-249-435-11	CARBON	33K	5%	1/4W	R406	1-249-433-11	CARBON	22K	5%	1/4W
R182	1-249-421-11	CARBON	2.2K	5%	1/4W F						(V5550)
R184	1-249-435-11	CARBON	33K	5%	1/4W	R407	1-249-433-11	CARBON	22K	5%	1/4W
R185	1-249-439-11	CARBON	68K	5%	1/4W						(V5550)
						R408	1-249-425-11	CARBON	4.7K	5%	1/4W
R186	1-247-883-00	CARBON	150K	5%	1/4W						(V5550)
R188	1-249-437-11	CARBON	47K	5%	1/4W	R409	1-249-437-11	CARBON	47K	5%	1/4W
R189	1-249-429-11	CARBON	10K	5%	1/4W						(V5550)
R190	1-247-895-00	CARBON	470K	5%	1/4W						
R191	1-249-417-11	CARBON	1K	5%	1/4W F	R410	1-249-421-11	CARBON	2.2K	5%	1/4W
											(V5550)
R192	1-249-437-11	CARBON	47K	5%	1/4W	R411	1-249-429-11	CARBON	10K	5%	1/4W
R193	1-249-441-11	CARBON	100K	5%	1/4W						(V5550)
R194	1-249-417-11	CARBON	1K	5%	1/4W F	R412	1-249-429-11	CARBON	10K	5%	1/4W
R195	1-249-417-11	CARBON	1K	5%	1/4W F						(V5550)
R196	1-249-429-11	CARBON	10K	5%	1/4W	R413	1-249-421-11	CARBON	2.2K	5%	1/4W
											(V5550)
R304	1-249-436-11	CARBON	39K	5%	1/4W	R414	1-247-903-00	CARBON	1M	5%	1/4W
					(V7770)						(V5550)
R305	1-249-433-11	CARBON	22K	5%	1/4W						
					(V7770)	R415	1-249-433-11	CARBON	22K	5%	1/4W
R306	1-249-433-11	CARBON	22K	5%	1/4W						(V5550)
					(V7770)	R416	1-249-437-11	CARBON	47K	5%	1/4W
R307	1-249-433-11	CARBON	22K	5%	1/4W						(V5550)
					(V7770)	R417	1-249-437-11	CARBON	47K	5%	1/4W
R308	1-249-433-11	CARBON	22K	5%	1/4W						(V5550)
					(V7770)	R418	1-247-903-00	CARBON	1M	5%	1/4W
											(V5550)
R310	1-247-903-00	CARBON	1M	5%	1/4W	R419	1-249-433-11	CARBON	22K	5%	1/4W
					(V7770)						(V5550)
R340	1-247-843-11	CARBON	3.3K	5%	1/4W						
R361	1-249-417-11	CARBON	1K	5%	1/4W	R420	1-249-429-11	CARBON	10K	5%	1/4W
					(V7770)						(V5550)
R362	1-249-441-11	CARBON	100K	5%	1/4W	R701	1-247-807-31	CARBON	100	5%	1/4W
					(V7770)	R702	1-247-807-31	CARBON	100	5%	1/4W
R363	1-249-429-11	CARBON	10K	5%	1/4W	R705	1-247-807-31	CARBON	100	5%	1/4W
					(V7770)	R706	1-247-807-31	CARBON	100	5%	1/4W
R364	1-249-429-11	CARBON	10K	5%	1/4W	R707	1-247-807-31	CARBON	100	5%	1/4W
					(V7770)	R708	1-247-807-31	CARBON	100	5%	1/4W
R365	1-249-437-11	CARBON	47K	5%	1/4W	R709	1-247-807-31	CARBON	100	5%	1/4W
					(V7770)	R710	1-247-807-31	CARBON	100	5%	1/4W
R366	1-249-421-11	CARBON	2.2K	5%	1/4W	R711	1-247-807-31	CARBON	100	5%	1/4W
					(V7770)						
R367	1-249-425-11	CARBON	4.7K	5%	1/4W	R713	1-247-807-31	CARBON	100	5%	1/4W
					(V7770)						(V7770)
R371	1-249-417-11	CARBON	1K	5%	1/4W	R712	1-247-807-31	CARBON	100	5%	1/4W
					(V7770)	R714	1-247-807-31	CARBON	100	5%	1/4W
						R715	1-247-807-31	CARBON	100	5%	1/4W
R372	1-249-441-11	CARBON	100K	5%	1/4W	R716	1-247-807-31	CARBON	100	5%	1/4W
					(V7770)						
R373	1-249-429-11	CARBON	10K	5%	1/4W	R717	1-247-807-31	CARBON	100	5%	1/4W
					(V7770)	R718	1-247-807-31	CARBON	100	5%	1/4W
R374	1-249-429-11	CARBON	10K	5%	1/4W						(V7770)
					(V7770)	R731	1-249-429-11	CARBON	10K	5%	1/4W
R375	1-249-437-11	CARBON	47K	5%	1/4W	R732	1-249-429-11	CARBON	10K	5%	1/4W
					(V7770)	R733	1-249-425-11	CARBON	4.7K	5%	1/4W F
R376	1-249-421-11	CARBON	2.2K	5%	1/4W						
					(V7770)						

Ref. No.	Part No.	Description			Remarks
R742	1-249-439-11	CARBON	68K	5%	1/4W (V7770)
R743	1-249-425-11	CARBON	4.7K	5%	1/4W (V7770)
R744	1-249-437-11	CARBON	47K	5%	1/4W (V7770)
△ R745	1-216-457-00	METAL OXIDE	1.2K	5%	2W (V7770)
R746	1-249-432-11	CARBON	18K	5%	1/4W (V7770)
R747	1-249-437-11	CARBON	47K	5%	1/4W (V7770)
R751	1-249-432-11	CARBON	18K	5%	1/4W
R752	1-249-439-11	CARBON	68K	5%	1/4W
R757	1-249-435-11	CARBON	33K	5%	1/4W
△ R758	1-216-457-00	METAL OXIDE	1.2K	5%	2W F
R761	1-249-432-11	CARBON	18K	5%	1/4W
R762	1-249-437-11	CARBON	47K	5%	1/4W
R767	1-249-435-11	CARBON	33K	5%	1/4W
R781	1-260-100-11	CARBON	1.2K	5%	1/2W
R782	1-260-100-11	CARBON	1.2K	5%	1/2W
R783	1-260-100-11	CARBON	1.2K	5%	1/2W
R784	1-260-100-11	CARBON	1.2K	5%	1/2W
R801	1-249-431-11	CARBON	15K	5%	1/4W
R802	1-249-431-11	CARBON	15K	5%	1/4W
R803	1-249-429-11	CARBON	10K	5%	1/4W
△ R804	1-212-982-00	FUSIBLE	100	5%	1/2W F
R851	1-249-431-11	CARBON	15K	5%	1/4W
R852	1-249-435-11	CARBON	33K	5%	1/4W
R853	1-249-429-11	CARBON	10K	5%	1/4W
R854	1-249-397-11	CARBON	22	5%	1/4W F
R855	1-249-441-11	CARBON	100K	5%	1/4W
R856	1-249-429-11	CARBON	10K	5%	1/4W
< RELAY >					
RY741	1-515-920-11	RELAY (24V) (V7770)			
RY751	1-515-920-11	RELAY (24V)			
< TERMINAL >					
TB751	1-537-240-31	TERMINAL BOARD (FRONT SPEAKER)			
< VIBRATOR >					
X301	1-579-952-21	VIBRATOR, CERAMIC 8MHz (V7770)			

*	A-4414-708-A	MIC/ECHO BOARD, COMPLETE			

< CAPACITOR >					
C6001	1-162-306-11	CERAMIC	0.01uF	20%	16V
C6002	1-124-257-00	ELECT	2.2uF	20%	50V
C6003	1-162-306-11	CERAMIC	0.01uF	20%	16V
C6004	1-124-257-00	ELECT	2.2uF	20%	50V
C6005	1-162-294-31	CERAMIC	0.001uF	10%	50V
C6006	1-162-215-31	CERAMIC	47PF	5%	50V
C6007	1-162-290-31	CERAMIC	470PF	10%	50V
C6008	1-126-157-11	ELECT	10uF	20%	16V
C6009	1-124-465-00	ELECT	0.47uF	20%	50V
C6010	1-162-215-31	CERAMIC	47PF	5%	50V

Ref. No.	Part No.	Description			Remarks
C6011	1-162-282-31	CERAMIC	100PF	10%	50V
C6012	1-126-157-11	ELECT	10uF	20%	16V
C6014	1-124-257-00	ELECT	2.2uF	20%	50V
C6015	1-126-160-11	ELECT	1uF	20%	50V
C6016	1-104-664-11	ELECT	47uF	20%	16V
C6017	1-164-159-11	CERAMIC	0.1uF		50V
C6018	1-104-664-11	ELECT	47uF	20%	16V
C6019	1-136-495-11	FILM	0.068uF	5%	50V
C6020	1-162-305-11	CERAMIC	0.0068uF	30%	16V
C6021	1-162-294-31	CERAMIC	0.001uF	10%	50V
C6022	1-126-160-11	ELECT	1uF	20%	50V
C6023	1-161-494-00	CERAMIC	0.022uF		25V
C6024	1-136-167-00	FILM	0.15uF	5%	50V
C6025	1-126-957-11	ELECT	0.22uF	20%	50V
C6026	1-126-957-11	ELECT	0.22uF	20%	50V
C6027	1-136-495-11	FILM	0.068uF	5%	50V
C6028	1-162-294-31	CERAMIC	0.001uF	10%	50V
C6029	1-162-305-11	CERAMIC	0.0068uF	30%	16V
C6031	1-162-306-11	CERAMIC	0.01uF	20%	16V
< CONNECTOR >					
CN6001	1-506-469-11	PIN, CONNECTOR 4P			
< DIODE >					
D6001	8-719-911-19	DIODE 1SS119			
D6002	8-719-911-19	DIODE 1SS119			
D6003	8-719-911-19	DIODE 1SS119			
< TERMINAL >					
* E6001	1-537-738-21	TERMINAL, EARTH			
< IC >					
IC6001	8-759-634-51	IC M5218AP			
IC6002	8-759-450-96	IC M65850P			
< JACK >					
J6001	1-770-226-11	JACK (LARGE TYPE) (MIX MIC 1)			
J6002	1-750-733-11	JACK (LARGE TYPE) (MIX MIC 2)			
< COIL >					
L6011	1-410-521-11	INDUCTOR	100uH		
< RESISTOR >					
R6001	1-249-429-11	CARBON	10K	5%	1/4W
R6002	1-249-417-11	CARBON	1K	5%	1/4W F
R6003	1-249-429-11	CARBON	10K	5%	1/4W
R6004	1-249-417-11	CARBON	1K	5%	1/4W F
R6005	1-249-441-11	CARBON	100K	5%	1/4W
R6006	1-249-417-11	CARBON	1K	5%	1/4W F
R6007	1-249-433-11	CARBON	22K	5%	1/4W
R6008	1-249-429-11	CARBON	10K	5%	1/4W
R6009	1-247-885-00	CARBON	180K	5%	1/4W
R6010	1-247-807-31	CARBON	100	5%	1/4W

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

以阴影和 △ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

MIC/ECHO

MOTOR

PANEL

Ref. No.	Part No.	Description	Remarks
R6011	1-249-433-11	CARBON 22K 5%	1/4W
R6012	1-247-881-00	CARBON 120K 5%	1/4W
R6013	1-249-433-11	CARBON 22K 5%	1/4W
R6014	1-249-433-11	CARBON 22K 5%	1/4W
R6015	1-249-433-11	CARBON 22K 5%	1/4W
R6016	1-249-429-11	CARBON 10K 5%	1/4W
R6017	1-249-437-11	CARBON 47K 5%	1/4W
R6018	1-249-433-11	CARBON 22K 5%	1/4W
R6019	1-249-433-11	CARBON 22K 5%	1/4W
R6020	1-249-431-11	CARBON 15K 5%	1/4W
< VARIABLE RESISTOR >			
RV6001	1-225-511-21	RES, VAR, CARBON 50K/50K (MIC LEVEL/ECHO VOL)	

*	1-669-965-11	MOTOR BOARD *****	
< CAPACITOR >			
C891	1-162-306-11	CERAMIC 0.01uF 20%	16V
C892	1-124-478-11	ELECT 100uF 20%	25V
C893	1-164-159-11	CERAMIC 0.1uF	50V
< CONNECTOR >			
* CN892	1-568-941-11	PIN, CONNECTOR 3P	
< DIODE >			
D891	8-719-947-16	DIODE MTZJ-T-72-5.1A	
< IC >			
IC891	8-759-822-09	IC LB1641	
< RESISTOR >			
R891	1-249-425-11	CARBON 4.7K 5%	1/4W F
R892	1-249-425-11	CARBON 4.7K 5%	1/4W F
R893	1-249-429-11	CARBON 10K 5%	1/4W
R894	1-249-413-11	CARBON 470 5%	1/4W F

*	A-4417-072-A	PANEL BOARD, COMPLETE ***** (V5550: HK, MY, SP, CH)	
*	A-4414-737-A	PANEL BOARD, COMPLETE (V5550: IA) *****	
*	A-4417-076-A	PANEL BOARD, COMPLETE ***** (V7770: HK, MY, SP, CH)	
*	A-4417-069-A	PANEL BOARD, COMPLETE (V7770: TH) *****	
*	4-900-849-01	HOLDER (FL)	
*	4-932-810-11	CUSHION (FL)	

Ref. No.	Part No.	Description	Remarks
< CAPACITOR >			
C501	1-162-205-31	CERAMIC 18PF 5%	50V
C502	1-162-205-31	CERAMIC 18PF 5%	50V
C503	1-104-905-11	CAPACITOR 0.22F	5.5V
C505	1-164-159-11	CERAMIC 0.1uF	50V
C506	1-164-159-11	CERAMIC 0.1uF	50V
C507	1-164-159-11	CERAMIC 0.1uF	50V
C508	1-164-159-11	CERAMIC 0.1uF	50V
C509	1-124-589-11	ELECT 47uF 20%	16V
C510	1-162-306-11	CERAMIC 0.01uF 20%	16V
C513	1-162-284-31	CERAMIC 150PF 10%	50V
C514	1-162-284-31	CERAMIC 150PF 10%	50V
C517	1-162-303-11	CERAMIC 0.0033uF 30%	16V
C518	1-126-157-11	ELECT 10uF 20%	16V
C519	1-126-157-11	ELECT 10uF 20%	16V
C520	1-126-157-11	ELECT 10uF 20%	16V
C521	1-162-306-11	CERAMIC 0.01uF 20%	16V
C522	1-126-157-11	ELECT 10uF 20%	16V
C523	1-126-157-11	ELECT 10uF 20%	16V
C601	1-126-157-11	ELECT 10uF 20%	16V
C602	1-162-306-11	CERAMIC 0.01uF 20%	16V
C603	1-162-294-31	CERAMIC 0.001uF 10%	50V
C604	1-162-294-31	CERAMIC 0.001uF 10%	50V
C605	1-124-261-00	ELECT 10uF 20%	50V
C606	1-124-261-00	ELECT 10uF 20%	50V
C607	1-124-261-00	ELECT 10uF 20%	50V
C608	1-124-589-11	ELECT 47uF 20%	16V
C609	1-162-282-31	CERAMIC 100PF 10%	50V
C610	1-162-288-31	CERAMIC 330PF 10%	50V
C611	1-162-288-31	CERAMIC 330PF 10%	50V
C612	1-162-288-31	CERAMIC 330PF 10%	50V
C613	1-162-288-31	CERAMIC 330PF 10%	50V
C614	1-162-288-31	CERAMIC 330PF 10%	50V
C615	1-162-288-31	CERAMIC 330PF 10%	50V
C616	1-162-288-31	CERAMIC 330PF 10%	50V
C617	1-162-288-31	CERAMIC 330PF 10%	50V
C618	1-162-288-31	CERAMIC 330PF 10%	50V
C619	1-162-288-31	CERAMIC 330PF 10%	50V
C620	1-162-288-31	CERAMIC 330PF 10%	50V
C621	1-162-288-31	CERAMIC 330PF 10%	50V
C622	1-162-288-31	CERAMIC 330PF 10%	50V
C623	1-162-288-31	CERAMIC 330PF 10%	50V
C624	1-162-288-31	CERAMIC 330PF 10%	50V
C625	1-162-288-31	CERAMIC 330PF 10%	50V
< CONNECTOR >			
* CN501	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P	
CN502	1-778-312-11	PLUG, CONNECTOR (PC BOARD) 30P	
CN503	1-691-650-11	SOCKET, CONNECTOR 19P	
* CN504	1-565-835-11	SOCKET, CONNECTOR 3P	
< DIODE >			
D501	8-719-024-99	DIODE 11ES2-NTA2B	
D502	8-719-911-19	DIODE 1SS119	
D504	8-719-911-19	DIODE 1SS119	
D505	8-719-911-19	DIODE 1SS119	
D506	8-719-911-19	DIODE 1SS119	

PANEL

Ref. No.	Part No.	Description	Remarks
D507	8-719-911-19	DIODE 1SS119	
D509	8-719-024-99	DIODE 11ES2-NTA2B	
D511	8-719-118-62	DIODE RD5.6F-T7B1	
D512	8-719-046-80	DIODE SML19416W-TP4 (MOVIE)	
D513	8-719-046-80	DIODE SML19416W-TP4 (MOVIE)	
D514	8-719-046-80	DIODE SML19416W-TP4 (MUSIC)	
D515	8-719-046-80	DIODE SML19416W-TP4 (MUSIC)	
D516	8-719-046-80	DIODE SML19416W-TP4 (GAME)	
D517	8-719-046-80	DIODE SML19416W-TP4 (GAME)	
D518	8-719-046-80	DIODE SML19416W-TP4 (PLACE)	
D519	8-719-046-80	DIODE SML19416W-TP4 (PLACE)	
D520	8-719-046-80	DIODE SML19416W-TP4 (P FILE)	
D521	8-719-046-80	DIODE SML19416W-TP4 (P FILE)	
D522	8-719-046-44	DIODE SEL5221S (AUTO)	
< FILTER >			
FL601	1-517-775-11	INDICATOR TUBE, FLUORESCENT	
< IC >			
IC501	8-759-563-01	IC uPD780016AYGF-020-3BA	
IC502	8-759-165-82	IC PST600E-T	
IC503	8-749-011-22	IC GP1U27X	
IC505	8-759-140-53	IC UPD4053BC	
IC506	8-759-495-25	IC BA3833F-E2	
IC601	8-759-261-63	IC M66004M6FP	
< COIL >			
L501	1-408-074-00	INDUCTOR 56uH	
L502	1-410-521-11	INDUCTOR 100uH	
< TRANSISTOR >			
Q501	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q502	8-729-422-57	TRANSISTOR UN4111	
Q503	8-729-422-57	TRANSISTOR UN4111	
Q504	8-729-422-57	TRANSISTOR UN4111	
Q505	8-729-422-57	TRANSISTOR UN4111	
Q506	8-729-422-57	TRANSISTOR UN4111	
Q507	8-729-422-57	TRANSISTOR UN4111	
Q508	8-729-422-57	TRANSISTOR UN4111	
Q509	8-729-422-57	TRANSISTOR UN4111	
Q510	8-729-422-57	TRANSISTOR UN4111	
Q511	8-729-422-57	TRANSISTOR UN4111	
Q512	8-729-900-80	TRANSISTOR DTC114ES	
Q513	8-729-900-80	TRANSISTOR DTC114ES	
< RESISTOR >			
R500	1-249-429-11	CARBON 10K 5% 1/4W	
R501	1-247-891-00	CARBON 330K 5% 1/4W	
R502	1-249-433-11	CARBON 22K 5% 1/4W	
R503	1-249-437-11	CARBON 47K 5% 1/4W	
R504	1-249-437-11	CARBON 47K 5% 1/4W	
R505	1-249-429-11	CARBON 10K 5% 1/4W	
R506	1-249-429-11	CARBON 10K 5% 1/4W	
R507	1-249-441-11	CARBON 100K 5% 1/4W	
R511	1-249-429-11	CARBON 10K 5% 1/4W	
(V7770)			
R512	1-249-429-11	CARBON 10K 5% 1/4W	
(V7770: TH)			

Ref. No.	Part No.	Description	Remarks
R516	1-249-427-11	CARBON 6.8K 5% 1/4W	F
R517	1-249-427-11	CARBON 6.8K 5% 1/4W	F
R518	1-247-807-31	CARBON 100 5% 1/4W	
R519	1-247-807-31	CARBON 100 5% 1/4W	
R520	1-247-807-31	CARBON 100 5% 1/4W	
R521	1-247-807-31	CARBON 100 5% 1/4W	
R522	1-247-807-31	CARBON 100 5% 1/4W	
R523	1-247-807-31	CARBON 100 5% 1/4W	
R524	1-247-807-31	CARBON 100 5% 1/4W	
R525	1-247-807-31	CARBON 100 5% 1/4W	
R526	1-247-807-31	CARBON 100 5% 1/4W	
R527	1-247-807-31	CARBON 100 5% 1/4W	
R528	1-247-807-31	CARBON 100 5% 1/4W	
R529	1-247-807-31	CARBON 100 5% 1/4W	
R530	1-247-807-31	CARBON 100 5% 1/4W	
R531	1-247-807-31	CARBON 100 5% 1/4W	
R532	1-247-807-31	CARBON 100 5% 1/4W	
R533	1-247-807-31	CARBON 100 5% 1/4W	
R534	1-247-807-31	CARBON 100 5% 1/4W	
R535	1-247-807-31	CARBON 100 5% 1/4W	
R536	1-247-807-31	CARBON 100 5% 1/4W	
R537	1-247-807-31	CARBON 100 5% 1/4W	
R538	1-247-807-31	CARBON 100 5% 1/4W	
R539	1-247-807-31	CARBON 100 5% 1/4W	
R540	1-247-807-31	CARBON 100 5% 1/4W	
R541	1-247-807-31	CARBON 100 5% 1/4W	
R542	1-247-807-31	CARBON 100 5% 1/4W	
R543	1-247-807-31	CARBON 100 5% 1/4W	
R544	1-247-807-31	CARBON 100 5% 1/4W	
R546	1-249-441-11	CARBON 100K 5% 1/4W	
R547	1-247-881-00	CARBON 120K 5% 1/4W	
R548	1-249-433-11	CARBON 22K 5% 1/4W	
R549	1-249-429-11	CARBON 10K 5% 1/4W	
R550	1-249-409-11	CARBON 220 5% 1/4W	F
R551	1-249-409-11	CARBON 220 5% 1/4W	F
R552	1-247-807-31	CARBON 100 5% 1/4W	
R553	1-247-807-31	CARBON 100 5% 1/4W	
R554	1-247-807-31	CARBON 100 5% 1/4W	
R555	1-247-807-31	CARBON 100 5% 1/4W	
R556	1-247-807-31	CARBON 100 5% 1/4W	
R557	1-247-807-31	CARBON 100 5% 1/4W	
R558	1-247-807-31	CARBON 100 5% 1/4W	
R559	1-247-807-31	CARBON 100 5% 1/4W	
R560	1-247-807-31	CARBON 100 5% 1/4W	
R561	1-247-807-31	CARBON 100 5% 1/4W	
R562	1-247-807-31	CARBON 100 5% 1/4W	
R563	1-247-807-31	CARBON 100 5% 1/4W	
R564	1-247-807-31	CARBON 100 5% 1/4W	
R565	1-247-807-31	CARBON 100 5% 1/4W	
R566	1-247-807-31	CARBON 100 5% 1/4W	
R567	1-247-807-31	CARBON 100 5% 1/4W	
R568	1-247-807-31	CARBON 100 5% 1/4W	
R569	1-249-407-11	CARBON 150 5% 1/4W	F
R570	1-249-409-11	CARBON 220 5% 1/4W	F
R571	1-249-411-11	CARBON 330 5% 1/4W	
R572	1-249-411-11	CARBON 330 5% 1/4W	
R573	1-249-413-11	CARBON 470 5% 1/4W	F
R574	1-249-415-11	CARBON 680 5% 1/4W	F
R575	1-249-417-11	CARBON 1K 5% 1/4W	F
R576	1-249-419-11	CARBON 1.5K 5% 1/4W	F

PANEL

POWER AMP

Ref. No.	Part No.	Description				Remarks	Ref. No.	Part No.	Description				Remarks
R577	1-249-421-11	CARBON	2.2K	5%	1/4W	F	S516	1-762-378-11	SWITCH, TACTILE (CLOCK/TIMER SET)				
R578	1-247-843-11	CARBON	3.3K	5%	1/4W		S517	1-762-378-11	SWITCH, TACTILE (POWER)				
R579	1-249-425-11	CARBON	4.7K	5%	1/4W	F	S518	1-762-378-11	SWITCH, TACTILE (DISPLAY/DEMO)				
R580	1-249-429-11	CARBON	10K	5%	1/4W		S520	1-762-378-11	SWITCH, TACTILE (SURROUND +)				
R581	1-249-433-11	CARBON	22K	5%	1/4W		S521	1-762-378-11	SWITCH, TACTILE (SURROUND -)				
R582	1-249-439-11	CARBON	68K	5%	1/4W		S522	1-762-378-11	SWITCH, TACTILE (DBFB -)				
R583	1-247-807-31	CARBON	100	5%	1/4W		S523	1-762-378-11	SWITCH, TACTILE (DBFB +)				
R584	1-249-407-11	CARBON	150	5%	1/4W	F	S524	1-762-378-11	SWITCH, TACTILE (EQ 63Hz +)				
R585	1-249-409-11	CARBON	220	5%	1/4W	F	S525	1-762-378-11	SWITCH, TACTILE (EQ 63Hz -)				
R586	1-249-411-11	CARBON	330	5%	1/4W		S526	1-762-378-11	SWITCH, TACTILE (EQ 250Hz -)				
R587	1-249-411-11	CARBON	330	5%	1/4W		S527	1-762-378-11	SWITCH, TACTILE (EQ 250Hz +)				
R588	1-249-413-11	CARBON	470	5%	1/4W	F	S528	1-762-378-11	SWITCH, TACTILE (EQ 1KHz +)				
R589	1-249-415-11	CARBON	680	5%	1/4W	F	S529	1-762-378-11	SWITCH, TACTILE (EQ 1KHz -)				
R590	1-249-417-11	CARBON	1K	5%	1/4W	F	S530	1-762-378-11	SWITCH, TACTILE (EQ 4KHz -)				
R591	1-249-419-11	CARBON	1.5K	5%	1/4W	F	S531	1-762-378-11	SWITCH, TACTILE (EQ 4KHz +)				
R592	1-249-421-11	CARBON	2.2K	5%	1/4W	F	< VIBRATOR >						
R593	1-247-843-11	CARBON	3.3K	5%	1/4W								
R594	1-249-425-11	CARBON	4.7K	5%	1/4W	F	X501	1-760-489-11	VIBRATOR, CERAMIC 5MHz				
R595	1-249-429-11	CARBON	10K	5%	1/4W		X502	1-567-098-41	VIBRATOR, CRYSTAL 32KHz				
R596	1-249-433-11	CARBON	22K	5%	1/4W		*****						
R597	1-249-403-11	CARBON	68	5%	1/4W	F	*	A-4414-209-A	POWER AMP BOARD, COMPLETE				
R598	1-249-403-11	CARBON	68	5%	1/4W	F	*****						
R599	1-249-403-11	CARBON	68	5%	1/4W	F	(V5550: HK, MY, SP, CH)						
R600	1-249-403-11	CARBON	68	5%	1/4W	F	*	A-4414-734-A	POWER AMP BOARD, COMPLETE (V5550: IA)				
R601	1-249-403-11	CARBON	68	5%	1/4W	F	*****						
R602	1-249-403-11	CARBON	68	5%	1/4W	F	*	A-4414-221-A	POWER AMP BOARD, COMPLETE				
R603	1-249-403-11	CARBON	68	5%	1/4W	F	*****						
R604	1-249-403-11	CARBON	68	5%	1/4W	F	*	A-4414-784-A	POWER AMP BOARD, COMPLETE (V7770: TH)				
R605	1-249-403-11	CARBON	68	5%	1/4W	F	*****						
R606	1-249-403-11	CARBON	68	5%	1/4W	F	< CAPACITOR >						
R607	1-249-415-11	CARBON	680	5%	1/4W	F							
R608	1-247-807-31	CARBON	100	5%	1/4W		C811	1-136-165-00	FILM	0.1uF	5%	50V	
R614	1-249-434-11	CARBON	27K	5%	1/4W		(V7770)						
R615	1-249-429-11	CARBON	10K	5%	1/4W		C812	1-136-165-00	FILM	0.1uF	5%	50V	
R616	1-249-429-11	CARBON	10K	5%	1/4W		(V7770)						
R617	1-249-417-11	CARBON	1K	5%	1/4W	F	C813	1-126-974-11	ELECT	3300uF	20%	50V	
R618	1-247-843-11	CARBON	3.3K	5%	1/4W		(V7770)						
R619	1-249-437-11	CARBON	47K	5%	1/4W		C814	1-126-974-11	ELECT	3300uF	20%	50V	
R621	1-247-843-11	CARBON	3.3K	5%	1/4W		(V7770)						
R622	1-247-843-11	CARBON	3.3K	5%	1/4W		C901	1-126-963-11	ELECT	4.7uF	20%	50V	
R623	1-249-425-11	CARBON	4.7K	5%	1/4W	F	C902	1-162-294-31	CERAMIC	0.001uF	10%	50V	
< SWITCH >							C903	1-162-282-31	CERAMIC	100PF	10%	50V	
S501	1-762-378-11	SWITCH, TACTILE (EQ 16kHz +)					C904	1-126-967-11	ELECT	47uF	20%	50V	
S502	1-762-378-11	SWITCH, TACTILE (NAME IN)					C905	1-126-967-11	ELECT	47uF	20%	50V	
S503	1-762-378-11	SWITCH, TACTILE (CHAR)					C906	1-136-495-11	FILM	0.068uF	5%	50V	
S504	1-762-378-11	SWITCH, TACTILE (EQ MEMORY)					C907	1-136-495-11	FILM	0.068uF	5%	50V	
S505	1-762-378-11	SWITCH, TACTILE (OPEN/CLOSE)					C932	1-128-552-51	ELECT	47uF	20%	63V	
S506	1-762-378-11	SWITCH, TACTILE (TUNER BAND)					C933	1-128-581-11	ELECT	4.7uF	20%	63V	
S507	1-762-378-11	SWITCH, TACTILE (STEREO/MONO)					C934	1-128-552-51	ELECT	47uF	20%	63V	
S508	1-762-378-11	SWITCH, TACTILE (TUNING MEMORY)					C936	1-162-282-31	CERAMIC	100PF	10%	50V	
S509	1-762-875-21	SWITCH, KEYBOARD (KARAOKE PON/MPX)					(EXCEPT IA, TH)						
S510	1-762-378-11	SWITCH, TACTILE (OPEN SENSOR ON/OFF)					C937	1-126-965-11	ELECT	22uF	20%	50V	
S511	1-762-378-11	SWITCH, TACTILE (INSERT)					C938	1-126-934-11	ELECT	220uF	20%	16V	
S512	1-762-378-11	SWITCH, TACTILE (DELETE)					C940	1-128-581-11	ELECT	4.7uF	20%	63V	
S513	1-762-378-11	SWITCH, TACTILE (EQ 16kHz -)					C950	1-162-306-11	CERAMIC	0.01uF	20%	16V	
S514	1-762-378-11	SWITCH, TACTILE (FUNCTION)					(IA, TH)						
S515	1-762-378-11	SWITCH, TACTILE (TIMER SELECT)					C951	1-126-963-11	ELECT	4.7uF	20%	50V	

POWER AMP

PRIMARY

Ref. No.	Part No.	Description				Remarks
C952	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C953	1-162-282-31	CERAMIC	100PF	10%	50V	
C954	1-126-967-11	ELECT	47uF	20%	50V	
C955	1-126-967-11	ELECT	47uF	20%	50V	
C956	1-136-495-11	FILM	0.068uF	5%	50V	
C957	1-136-495-11	FILM	0.068uF	5%	50V	
< CONNECTOR >						
CN902	1-691-770-11	PLUG (MICRO CONNECTOR) 8P				
CN904	1-691-161-11	PIN, CONNECTOR 4P (V7770)				
< DIODE >						
D809	8-719-028-23	DIODE D3SBA20-4101 (V7770)				
D903	8-719-911-19	DIODE 1SS119				
D941	8-719-911-19	DIODE 1SS119				
D953	8-719-911-19	DIODE 1SS119				
< IC >						
IC901	8-749-921-68	IC STK-4231MK2 (EXCEPT TH)				
IC901	8-749-922-65	IC STK-4221MK2 (TH)				
< TRANSISTOR >						
Q131	8-729-141-30	TRANSISTOR 2SC3623A-LK				
Q181	8-729-141-30	TRANSISTOR 2SC3623A-LK				
Q901	8-729-900-36	TRANSISTOR DTC124ES				
Q902	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA				
Q952	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA				
Q971	8-729-900-36	TRANSISTOR DTC124ES				
Q972	8-729-119-78	TRANSISTOR 2SC403SP-51				
< RESISTOR >						
R133	1-249-425-11	CARBON	4.7K	5%	1/4W F	
R183	1-249-425-11	CARBON	4.7K	5%	1/4W F	
R901	1-249-417-11	CARBON	1K	5%	1/4W F	
R902	1-249-437-11	CARBON	47K	5%	1/4W	
R903	1-249-413-11	CARBON	470	5%	1/4W F	
(EXCEPT TH)						
R903	1-249-412-11	CARBON	390	5%	1/4W F	
(TH)						
R904	1-249-437-11	CARBON	47K	5%	1/4W	
R906	1-249-429-11	CARBON	10K	5%	1/4W	
R907	1-249-429-11	CARBON	10K	5%	1/4W	
R908	1-249-429-11	CARBON	10K	5%	1/4W	
R909	1-249-429-11	CARBON	10K	5%	1/4W	
R910	1-249-397-11	CARBON	22	5%	1/4W F	
R911	1-249-397-11	CARBON	22	5%	1/4W F	
R913	1-249-417-11	CARBON	1K	5%	1/4W F	
R914	1-249-431-11	CARBON	15K	5%	1/4W	
R915	1-249-441-11	CARBON	100K	5%	1/4W	
△ R920	1-217-156-00	REGISTER	0.22	10%	5W F	
△ R932	1-212-881-11	FUSIBLE	100	5%	1/4W F	
R933	1-249-421-11	CARBON	2.2K	5%	1/4W F	
R934	1-249-421-11	CARBON	2.2K	5%	1/4W F	
R935	1-249-421-11	CARBON	2.2K	5%	1/4W F	
R936	1-249-421-11	CARBON	2.2K	5%	1/4W F	
R937	1-249-429-11	CARBON	10K	5%	1/4W	
(EXCEPT TH)						
R937	1-249-437-11	CARBON	47K	5%	1/4W	
(TH)						
R938	1-247-885-00	CARBON	180K	5%	1/4W	

Ref. No.	Part No.	Description			Remarks
R940	1-249-429-11	CARBON	10K	5%	1/4W
R941	1-249-429-11	CARBON	10K	5%	1/4W
R942	1-249-413-11	CARBON	470	5%	1/4W F
△ R943	1-212-881-11	FUSIBLE	100	5%	1/4W F
R945	1-249-417-11	CARBON	1K	5%	1/4W F
R951	1-249-417-11	CARBON	1K	5%	1/4W F
R952	1-249-437-11	CARBON	47K	5%	1/4W
R953	1-249-413-11	CARBON	470	5%	1/4W F
					(EXCEPT TH)
R953	1-249-412-11	CARBON	390	5%	1/4W F
					(TH)
R954	1-249-437-11	CARBON	47K	5%	1/4W
R956	1-249-429-11	CARBON	10K	5%	1/4W
R957	1-249-429-11	CARBON	10K	5%	1/4W
R958	1-249-429-11	CARBON	10K	5%	1/4W
R959	1-249-429-11	CARBON	10K	5%	1/4W
R960	1-249-397-11	CARBON	22	5%	1/4W F
R961	1-249-397-11	CARBON	22	5%	1/4W F
R963	1-249-417-11	CARBON	1K	5%	1/4W F
R964	1-249-431-11	CARBON	15K	5%	1/4W
R965	1-249-441-11	CARBON	100K	5%	1/4W
△ R970	1-217-156-00	REGISTER	0.22	10%	5W F
R971	1-249-441-11	CARBON	100K	5%	1/4W
R972	1-247-885-00	CARBON	180K	5%	1/4W
R973	1-249-441-11	CARBON	100K	5%	1/4W
△ R974	1-212-849-00	FUSIBLE	4.7	5%	1/4W F
< THERMISTOR(POSITIVE) >					
THP901	1-807-796-11	THERMISTOR			

*	1-669-953-11	PRIMARY BOARD			

	1-533-293-11	FUSE HOLDER			
< CONNECTOR >					
CN871	1-564-321-00	PIN, CONNECTOR 2P			
< FUSE >					
△ F873	1-532-506-51	FUSE TIME LAG 6.3A			
< SWITCH >					
△ S871	1-771-291-11	SWITCH, POWER (VOLTAGE SELECTOR)			
(HK, MY, SP, IA)					

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

以阴影和 △ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

SECONDARY

SURR AMP

SURR SPK

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
*	1-669-954-11	SECONDARY BOARD *****				< TRANSISTOR >	
	1-533-293-11	FUSE HOLDER		Q4002	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
		< CONNECTOR >		Q4052	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
* CN872	1-564-518-11	PLUG, CONNECTOR 3P (V7770)				< RESISTOR >	
		< FUSE >		R4001	1-249-417-11	CARBON 1K 5% 1/4W	F
△ F874	1-532-506-51	FUSE TIME LAG 6.3A, 250V		R4002	1-249-437-11	CARBON 47K 5% 1/4W	F
△ F875	1-532-506-51	FUSE TIME LAG 6.3A, 250V		R4003	1-249-413-11	CARBON 470 5% 1/4W	F
△ F876	1-532-505-51	FUSE TIME LAG 5A, 250V (V7770)		R4004	1-249-437-11	CARBON 47K 5% 1/4W	F
△ F877	1-532-505-51	FUSE TIME LAG 5A, 250V (V7770)		R4006	1-249-425-11	CARBON 4.7K 5% 1/4W	F
		< RESISTOR >		R4007	1-249-425-11	CARBON 4.7K 5% 1/4W	F
△ R871	1-219-119-81	FUSIBLE 0.1 5% 1/4W	F	R4008	1-249-425-11	CARBON 4.7K 5% 1/4W	F
△ R872	1-219-119-81	FUSIBLE 0.1 5% 1/4W	F	R4009	1-249-425-11	CARBON 4.7K 5% 1/4W	F
△ R873	1-219-120-11	FUSIBLE 0.15 5% 1/4W	F	R4010	1-249-397-11	CARBON 22 5% 1/4W	F
△ R874	1-219-120-11	FUSIBLE 0.15 5% 1/4W	F	R4011	1-249-397-11	CARBON 22 5% 1/4W	F
*****				R4013	1-249-417-11	CARBON 1K 5% 1/4W	F
*	A-4414-219-A	SURR AMP BOARD, COMPLETE (V7770) *****		R4014	1-249-431-11	CARBON 15K 5% 1/4W	F
		< CAPACITOR >		R4015	1-249-441-11	CARBON 100K 5% 1/4W	F
C4000	1-162-306-11	CERAMIC 0.01uF 20% 16V		△ R4020	1-208-602-11	REGISTER 0.22 10% 2W	F
C4001	1-126-961-11	ELECT 2.2uF 20% 50V		△ R4021	1-217-641-00	FUSIBLE 4.7 5% 1/4W	F
C4002	1-162-294-31	CERAMIC 0.001uF 10% 50V		△ R4032	1-212-881-11	FUSIBLE 100 5% 1/4W	F
C4003	1-162-282-31	CERAMIC 100PF 10% 50V		R4033	1-249-421-11	CARBON 2.2K 5% 1/4W	F
C4004	1-126-964-11	ELECT 10uF 20% 50V		R4034	1-249-421-11	CARBON 2.2K 5% 1/4W	F
C4005	1-126-964-11	ELECT 10uF 20% 50V		R4035	1-249-421-11	CARBON 2.2K 5% 1/4W	F
C4006	1-136-165-00	FILM 0.1uF 5% 50V		R4036	1-249-421-11	CARBON 2.2K 5% 1/4W	F
C4007	1-136-165-00	FILM 0.1uF 5% 50V		△ R4043	1-212-881-11	FUSIBLE 100 5% 1/4W	F
C4010	1-126-967-11	ELECT 47uF 20% 50V		R4051	1-249-417-11	CARBON 1K 5% 1/4W	F
C4011	1-126-963-11	ELECT 4.7uF 20% 50V		R4052	1-249-437-11	CARBON 47K 5% 1/4W	F
C4012	1-126-965-11	ELECT 22uF 20% 50V		R4053	1-249-413-11	CARBON 470 5% 1/4W	F
C4013	1-126-967-11	ELECT 47uF 20% 50V		R4054	1-249-437-11	CARBON 47K 5% 1/4W	F
C4040	1-126-963-11	ELECT 4.7uF 20% 50V		R4056	1-249-425-11	CARBON 4.7K 5% 1/4W	F
C4051	1-126-961-11	ELECT 2.2uF 20% 50V		R4057	1-249-425-11	CARBON 4.7K 5% 1/4W	F
C4052	1-162-294-31	CERAMIC 0.001uF 10% 50V		R4058	1-249-425-11	CARBON 4.7K 5% 1/4W	F
C4053	1-162-282-31	CERAMIC 100PF 10% 50V		R4059	1-249-425-11	CARBON 4.7K 5% 1/4W	F
C4054	1-126-964-11	ELECT 10uF 20% 50V		R4060	1-249-397-11	CARBON 22 5% 1/4W	F
C4055	1-126-964-11	ELECT 10uF 20% 50V		R4061	1-249-397-11	CARBON 22 5% 1/4W	F
C4056	1-136-165-00	FILM 0.1uF 5% 50V		R4063	1-249-417-11	CARBON 1K 5% 1/4W	F
C4057	1-136-165-00	FILM 0.1uF 5% 50V		R4064	1-249-431-11	CARBON 15K 5% 1/4W	F
		< CONNECTOR >		R4065	1-249-441-11	CARBON 100K 5% 1/4W	F
* CN4002	1-564-519-11	PLUG, CONNECTOR 4P		△ R4070	1-208-602-11	REGISTER 0.22 10% 2W	F
* CN4003	1-691-174-11	CONNECTOR (BOARD TO BOARD) 4P		*****			
		< DIODE >		*	1-669-963-11	SURR SPK BOARD *****	
D4003	8-719-911-19	DIODE 1SS119				< CAPACITOR >	
D4053	8-719-911-19	DIODE 1SS119		C202	1-104-666-11	ELECT 220uF 20% 25V	
		< IC >		C203	1-162-306-11	CERAMIC 0.01uF 20% 16V	
IC4001	8-749-900-96	IC STK-4142MK2				< CONNECTOR >	
				* CN201	1-569-505-11	PIN, CONNECTOR 10P	
				CN202	1-564-506-11	PLUG, CONNECTOR 3P	
				CN781	1-506-468-11	PIN, CONNECTOR 3P	

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

以阴影和 △ 标志来识别的零部件，在安全方面具有关键性。因此只能以规定号码的零部件来更换。

SURR SPK

Ref. No.	Part No.	Description	Remarks
		< DIODE >	
D201	8-719-024-99	DIODE 11ES2-NTA2B	
D782	8-719-911-19	DIODE 1SS119	
		< PLATE >	
* E781	4-870-539-11	PLATE, GROUND (EXCEPT IA)	
		< JACK >	
J781	1-785-011-11	JACK, PIN 2P (SUPER WOOFER/VIDEO OUT)	
		< RELAY >	
RY781	1-515-622-11	RELAY	
		< TERMINAL >	
TB201	1-537-925-31	TERMINAL BOARD (REAR SPEAKER) (V5550)	
TB201	1-537-923-11	TERMINAL BOARD (CENTER SPEAKER/REAR SPEAKER) (V7770)	

		MISCELLANEOUS	

3	1-773-125-11	WIRE (FLAT TYPE) (19 CORE)	
153	1-233-545-31	ENCAPSULATED COMPONENT (TH)	
153	1-233-546-31	ENCAPSULATED COMPONENT (EXCEPT TH)	
△ 160	1-751-326-31	CORD, POWER (TH)	
△ 160	1-777-071-21	CORD, POWER (HK, MY, SP)	
△ 160	1-782-315-11	CORD, POWER (IA)	
△ 160	1-783-205-11	CORD, POWER (CH)	
△ 161	1-569-007-11	ADAPTOR, CONVERSION 2P (IA)	
△ 161	1-569-008-21	ADAPTOR, CONVERSION 2P (MY, SP)	
△ 161	1-770-019-11	ADAPTOR, CONVERSION PLUG 3P (HK)	
IC504	8-719-070-85	IC KU381-40	
M891	A-4660-926-A	MOTOR (CDM) ASSY	
M901	1-763-117-11	FAN, DC	
△ T901	1-431-901-11	TRANSFORMER, POWER (V7770)	
△ T901	1-431-904-11	TRANSFORMER, POWER (V5550)	

Ref. No.	Part No.	Description	Remarks

		HARDWARE LIST	

#1	7-685-647-79	SCREW +BVTP 3×10 TYPE2 N-S	
#2	7-685-646-79	SCREW +BVTP 3×8 TYPE2 N-S	
#3	7-621-775-20	SCREW +B 2.6×5	
#4	7-685-650-79	SCREW +BVTP 3×16 TYPE2 IT-3	
#5	7-685-881-09	SCREW +BVTT 4×8 (S)	
#6	7-685-872-09	SCREW +BVTT 3×8 (S)	
		The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified. 以阴影和 △ 标志来识别的零部件，在安全方面具有关键性。因此只能以规定号码的零部件来更换。	