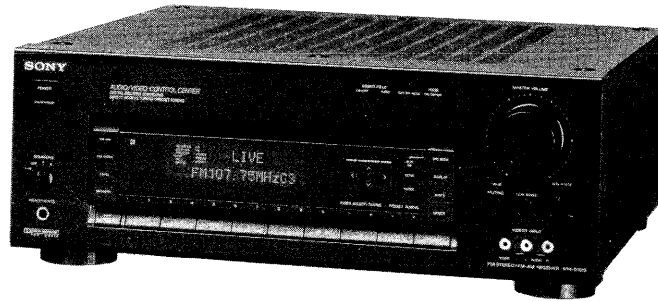


STR-D1015

SERVICE MANUAL

US Model
Canadian Model
E Model



Manufactured under license from Dolby Laboratories Licensing Corporation. Additionally licensed under one or more of the following patents; U.S. number 3,959,590; Canadian numbers 1,004,603 and 1,037,877. "Dolby", "Pro Logic", and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

SPECIFICATIONS

Audio Power Specifications

POWER OUTPUT AND TOTAL HARMONIC DISTORTION

With 8-ohm load, both channels driven, from 20 - 20,000 Hz, rated 120 watts per channel minimum RMS power, with no more than 0.15 % total harmonic distortion from 250 milliwatts to rated output.

Other Specifications

Amplifier section

Continuous RMS power output (8 ohms, at 20 Hz - 20 KHz (US, Canadian model), 1kHz (E model) less than 0.15 % total harmonic distortion) (FRONT)

123 W + 123 W

Surround mode

Surround mode (8 ohms at 1 kHz, THD 0.8 %)

FRONT: 100 W/ch

CENTER*: 100 W

REAR: 25 W

* (only in the DOLBY SUR and THEATER modes)

Dynamic power output

165 W + 165 W (8 ohms)

260 W + 260 W (4 ohms)

Harmonic distortion at rated output

Less than 0.15 %

Frequency response

PHONO: RIAA equalization curve

±0.5 dB

CD, DAT/MD, TAPE MONITOR,

VIDEO 1, 2, 3: 10 Hz - 50 kHz, ±0 dB

Inputs

| | Sensitivity | Impedance | S/N Short A Net/78 IHF A Net |
|---|-------------|------------|------------------------------|
| PHONO (MM) | 2.5 mV | 50 kilohms | 75 dB/75 dB |
| CD | 300 mV | 50 kilohms | 82 dB/82 dB |
| DAT/MD, TV, LD, VIDEO 1, 2, 3, TAPE MONITOR | 250 mV | 50 kilohms | 82 dB/82 dB |

FM tuner section

Tuning range 87.5 - 108.0 MHz
Antenna terminals 75 ohms, unbalanced
Sensitivity (at 50 dB): 18.3 dBf, 4.5 μV (mono)
38.3 dBf, 45 μV (stereo)
Usable sensitivity 11.2 dBf, 2 μV (IHF)
S/N Mono: 76 dB
Stereo: 70 dB
Harmonic distortion at 1 kHz Mono: 0.3 %
Stereo: 0.5 %
Separation 45 dB at 1 kHz
Frequency response 30 Hz - 15 kHz, -0.5 dB
Selectivity 60 dB at 400 kHz

AM tuner section

Tuning range 530 - 1710 kHz (with 10 kHz interval*)
531 - 1710 kHz (with 9 kHz interval)
Antenna Loop antenna
Usable sensitivity 50 dB/m (at 1,000 kHz or 999 kHz)
S/N 54 dB (at 50 mV/m)
Harmonic distortion 0.5% (50 mV/m, 400 Hz)
Selectivity 35 dB (9 kHz), 40 dB (10 kHz)

* You can change the AM tuning interval to 9 kHz. After tuning in any AM station in any AM station, turn off the power of receiver once. While holding down the TUNING + button, press the POWER switch. When you change the interval, all the preset stations will be erased. To reset the interval, repeat the same procedure.

Video section

Inputs VIDEO 1,2,3:
1 Vp-p 75 ohms
Outputs VIDEO 1, 2, MONITOR:
1 Vp-p 75 ohms

General

System Tuner section: PLL quartz-locked digital synthesizer system
Preamp section Low-noise NF type equalizer
Power amplifier section: Pure-complimentary SEPP
Power requirements USA, Canadian model: 120 V AC, 60 Hz
E model: 120/220/240 V AC, 50/60 Hz
Power consumption (in standby condition: 5W)
USA model: 220 W
Canadian model: 310 W
E model: 280 W
AC outlets Two switched, total 120 W
Dimensions 430 x 160 x 425 mm
(17 x 6 1/2 x 16 5/8 inches)
Mass 13.1 kg (28 lb 14 oz)
Supplied accessories FM wire antenna (1)
AM loop antenna (1)
Remote commander (1)
Sony Batteries SLM-3(NS) (2)

Design and specifications are subject to change without notice.

Outputs

| | |
|--------------------------------|---|
| REC OUT VIDEO 1, 2 (AUDIO) OUT | Voltage 250 mV Impedance 10 kilohms |
| HEADPHONES | Accepts low and high impedance headphones |

MUTING -20 dB
LOW BOOST +10 dB at 70 Hz
TONE ±8 dB at 100 Hz and 10 kHz

FM STEREO FM-AM RECEIVER
SONY

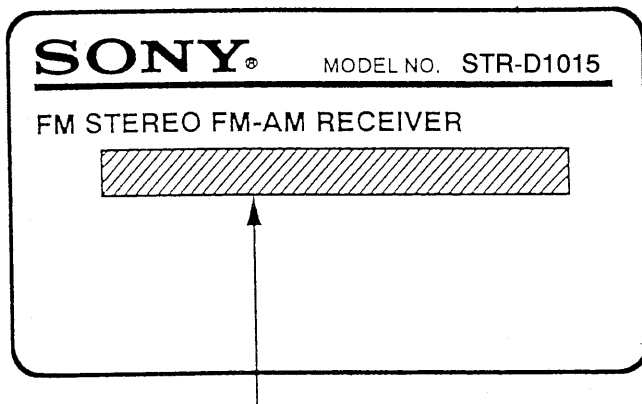


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MODEL IDENTIFICATION

— Specification Label —



US model : AC 120V 60Hz 220W
 Canadian model : AC 120V 60Hz 310VA
 E model : AC 120/220/240V~50/60Hz 280W

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

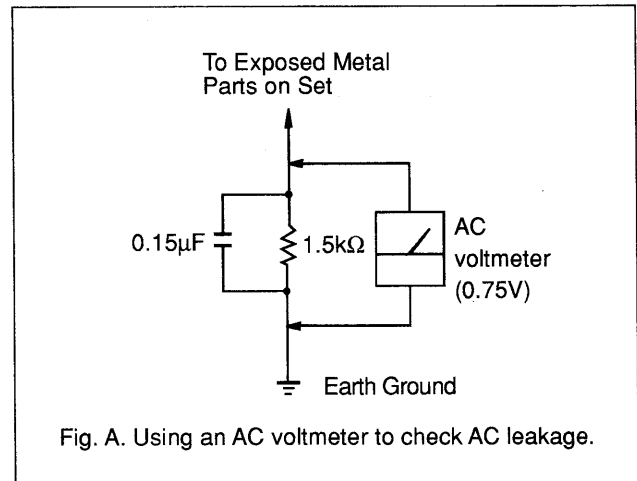


Fig. A. Using an AC voltmeter to check AC leakage.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY MARK Δ OR DOTTED LINE WITH MARK Δ 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.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE Δ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SECTION 1

SERVICING NOTE

CHECK MODE The movement check of the set as follows :

| SUBJECT | WITH WHAT HELD DOWN | WHAT IS OPERATED | WHAT FUNCTION IS PERFORMED |
|-----------|----------------------|------------------|----------------------------|
| ALL CLEAR | 10 KEY [4], [5], [6] | POWER ON | Initialize |

ALL CLEAR

When ten-keys [4], [5] and [6] key are pressed simultaneously and the power is turned on, all the RAMs are cleared and initialized.

◎Initial Operation Set State(1)

| | | |
|------------------|-----------------|------------------------|
| FUNCTION | TUNER | FM 87.50MHz(AM 530kHz) |
| | | FM MODE AUTO |
| | | TUNING LEVEL LOW |
| | | INDEX NO INDEX (.....) |
| | | PRESET NO. None(A_) |
| MONITOR | VIDEO 1 | |
| TAPE MONITOR | OFF | |
| LOW BOOST | OFF | |
| MUTING (-20dB) | OFF | |
| CURSOR MODE | SUR | |
| SOUND FIELD | OFF | |
| TONE | DEFEAT | |
| FUNC. INDEX NAME | SAME FUNC. NAME | |
| TEST TONE | OFF | |
| DISPLAY MODE | NORMAL | |
| LAST S.F.MODE | ACOUSTIC | |

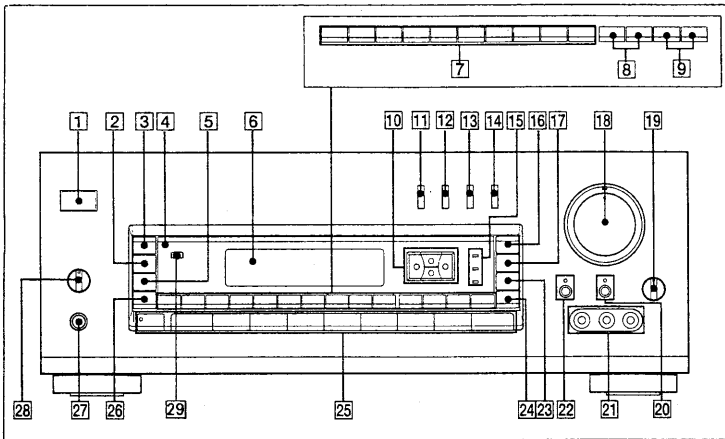
◎Initial Operation Set State (2 : Sound Field)

| | | |
|----------------|------------------|---------|
| HALL | BASS(dB) | +2 |
| | TREBLE(dB) | 0 |
| | DELAY TIME(ms) | 30 |
| | REAR LEVEL(dB) | 0 |
| DANCE | BASS(dB) | +8 |
| | TREBLE(dB) | +6 |
| | DELAY TIME(ms) | 20 |
| | REAR LEVEL(dB) | 0 |
| LIVE | BASS(dB) | +2 |
| | TREBLE(dB) | +4 |
| | DELAY TIME(ms) | 30 |
| | REAR LEVEL(dB) | 0 |
| DOLBY SURROUND | BASS(dB) | 0 |
| | TREBLE(dB) | 0 |
| | DELAY TIME(ms) | 15 |
| | REAR LEVEL(dB) | 0 |
| | CENTER LEVEL(dB) | 0 |
| | CENTER MODE | PHANTOM |
| THEATER | BASS(dB) | +4 |
| | TREBLE(dB) | -4 |
| | DELAY TIME(ms) | 15 |
| | REAR LEVEL(dB) | 0 |
| | CENTER LEVEL(dB) | 0 |
| | CENTER MODE | PHANTOM |
| ACOUSTIC | BASS(dB) | 0 |
| | TREBLE(dB) | 0 |

SECTION 2 GENERAL

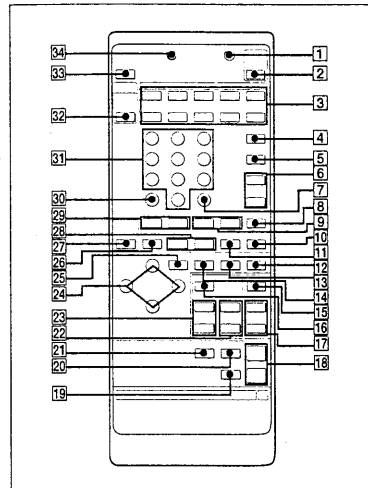
This section is extracted from instruction manual.

Front Panel



- 1 POWER switch
- 2 FM MODE button (See page 15.)
- 3 FM/AM button (See pages 15, 16.)
- 4 Remote sensor
- 5 LEVEL button (See page 16.)
- 6 Display window
- 7 Numeric buttons (See pages 15, 16, 17.)
- 8 INDEX SELECT/TUNING +/- buttons (See pages 16, 22.)
- 9 PRESET TUNING +/- buttons (See pages 17, 23.)
- 10 DIGITAL PROCESSING CONTROL buttons (See pages 22, 23, 28, 29, 31.)
- 11 SOUND FIELD ON/OFF button (See pages 19, 28, 29, 31, 32.)
- 12 SOUND FIELD MODE button (See pages 19, 28, 29, 31, 32.)
- 13 CENTER MODE button (See pages 27, 28.)
- 14 TONE ON/DEFEAT button (See pages 31, 32.)
- 15 DPC MODE indicators (See pages 22, 23, 29, 31.)
- 16 DPC MODE button (See pages 22, 23, 28, 29, 31.)
- 17 DISPLAY button (See pages 16, 23.)
- 18 MASTER VOLUME control (See page 11.)
- 19 BALANCE control (See page 11.)
- 20 LOW BOOST button and indicator (See page 11.)
- 21 VIDEO 3 INPUT jacks
- 22 MUTING -20 dB button and indicator (See page 11.)
- 23 SHIFT button (See pages 16, 17.)
- 24 DIRECT button (See page 15.)
- 25 Function selectors and TAPE MONITOR button and indicator (See pages 10, 11, 20, 21, 23.)
- 26 MEMORY button (See page 16.)
- 27 HEADPHONES jack
- 28 SPEAKERS selector (See page 11.)
- 29 STANDBY indicator (The STANDBY indicator lights up when the power cord is connected; E model only)

Remote Control



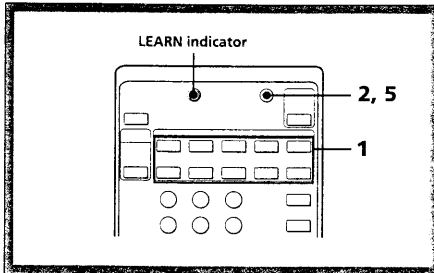
- 1 LEARN button (See pages 25, 26)
- 2 SYSTEM OFF button (See pages 12)
- 3 SYSTEM CONTROL/FUNCTION TAPE, DAT/MD, CD, TUNER, PHONO, VIDEO 1, VIDEO 2, VIDEO 3, LD, TV buttons (See pages 10, 11, 12, 13, 26)
- 4 VISUAL POWER button (See pages 12, 13)
- 5 TV/VIDEO, INDEX button (See pages 12, 13)
- 6 CH (channel)/PRESET +/- buttons (See pages 12, 13)
- 7 RMS (random music sensor)/START, ENTER button (See pages 12, 13)
- 8 ANT (antenna) TV/VTR, D (disc) SKIP button (See pages 12, 13)
- 9 <<<, >>> (AMS: Automatic Music Sensor) buttons (See pages 12, 13)
- 10 ● (recording) button (See pages 12, 13, 26)
- 11 II (pause) button (See pages 12, 13)
- 12 EQ (equalizer) /TONE ON/OFF button (See pages 31)
- 13 EQ (equalizer) SLOPE button*
- 14 EQ (equalizer) BAND button*
- 15 SOUND FIELD ON/OFF button (See pages 19, 28, 29, 31, 32)
- 16 T. TONE button (See page 28)
- 17 SOUND FIELD MODE +/- buttons (See pages 19, 28, 29, 31, 32)
- 18 MASTER VOL +/- buttons (See pages 11, 28)
- 19 MUTING button (See page 11)
- 20 LOW BOOST button (See page 11)
- 21 DIRECT (PASS) button*
- 22 CENTER LEVEL +/- buttons (See page 28)
- 23 REAR LEVEL +/- buttons (See page 28)
- 24 DIGITAL PROCESSING CONTROL buttons (See pages 22, 23, 24, 28, 29, 31)
- 25 DPC (Digital Processing Control) MODE button (See pages 22, 23, 29, 31)
- 26 RMS (Random Music Sensor) CLEAR, ■ button (See pages 12, 13)
- 27 BACK GROUND button (See pages 13, 26)
- 28 ◀ (forward play), ▶ (play), RMS (Random Music Sensor) DIRECTION buttons (See pages 12, 13, 26)
- 29 ◀◀, ▶▶ (search) button (See pages 12, 13)
- 30 > 10 (over 10), SHIFT button (See pages 12, 16, 17)
- 31 Numeric buttons (1 to 0) (See pages 12, 14, 15, 17)
- 32 TV CONTROL ON button (See pages 12, 13)
- 33 SLEEP button (See page 24)
- 34 LEARN indicator (See pages 25, 26)

* Can not be used with this unit.

Programming Signals for Non-Sony Components

Once this remote learns the signals of the other components, you can use other non-Sony components as part of your system. Also if any of your other Sony components fail to operate with this remote, use this programming function. Your remote can "learn" only the signals from remotes that are infrared wireless remotes. Before you program signals, make sure that the two remotes:

- face straight each other (as shown in step 3 below)
- are placed at a distance of approximately 2 inches (5 cm)
- are not moved during programming

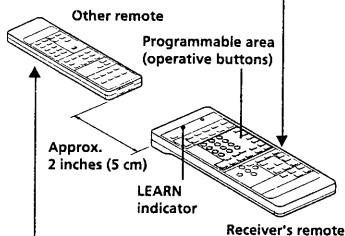


1 Press the FUNCTION button of the component to be programmed.
For example, if you want to program a CD player's remote control, press CD.

2 Press the LEARN button with a ball-point pen, etc., so that the indicator lights up.

3 Program a signal.

① On this receiver's remote, press the button that is to "learn" the signal from the other remote until the LEARN indicator blinks slowly.



② On the other remote, hold down the button you want the receiver's remote to "learn."

③ Remove your finger(s) from the button(s) after the LEARN indicator on this remote lights up.

Note

You can program only specific buttons for specific components. See "Operative Buttons" on pages 12 and 13 for a list of the buttons that can be programmed for each component type. If you press a button that cannot be programmed in step ①, the LEARN indicator blinks rapidly.

4 Repeat step 3 for other buttons that you want to program.

5 Press the LEARN button with a ball-point pen, etc.
The LEARN indicator lights for a few seconds. After the indicator goes off, you can control other components with the programmed buttons.

After programming

Be sure to test that the component really works with the programmed signals.

How many signals can you store in memory?

You can store approximately 60 signals, depending on the format of the signal being used.

Memory capacity

If the LEARN indicator does not blink or light in step 3-① or ②, this indicates that the memory capacity is full. In this case, clear the signal stored in that button following the procedure described in "To clear a programmed signal" and program again from the beginning. When programming, avoid the following conditions.

- Placing the remotes too far apart from each other.
- Exposing the remotes to intense light such as of inverter fluorescent lamp.
- Receiving infrared signals of another appliance's remote.

Notes on programming

- Remote control signals of components of manufacturers other than Sony can be programmed only when they are compatible with the infrared wireless remote control system. Since the programmable remote can "learn" only the signals output from another remote, it cannot control components that do not use a remote.
- Do not attempt to use the programmable remote with an air conditioner or other household appliance.
- Note that there are some special remote control signals that cannot be programmed.
- The SYSTEM CONTROL/FUNCTION button of this remote does not work for the other components even if their signals are programmed.

Note

If you do not perform the next operation in about one minute after steps 2 and 3-①, the learning mode will be canceled. If this happens, start again at step 1.

Programming a New Signal onto a Previously Programmed Button

Follow the programming procedure described on page 25. The previously programmed signal is cleared and replaced by the new signal.

To clear a programmed signal

- 1 Press the LEARN button with a ball-point pen, etc., so that the LEARN indicator lights up.
- 2 Press the button to be cleared while pressing the BACKGROUND button until the LEARN indicator goes off.

To program a signal onto the ● button for recording

It is not possible to operate any component with only the ● button. You have to program the record standby signal and record start signal under the ● + ► button on the receiver's remote. With a tape deck, you can also program the signal under the ● + ◀ button (in the reverse direction).

Notes on batteries

If the LEARN indicator does not light when a button is pressed, this means that the batteries are low. When the batteries are low, the remote can no longer operate the unit and programming becomes impossible. If this happens, replace both batteries with new ones. We recommend you use alkaline batteries for extended use.

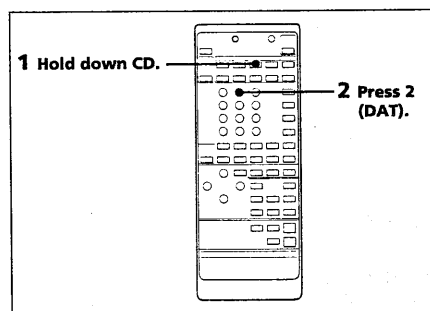
Changing the Settings of the FUNCTION Buttons

The FUNCTION buttons are preset to operate only specific components. (The CD button operates only the CD player.) However, if you want to use different components, you can change the presets to control these different components. For example, if you connect a DAT deck to the CD IN jacks, you can operate the DAT deck with the CD FUNCTION button by changing the preset function to the DAT function.

To change the settings of the FUNCTION buttons

- 1 Hold down the FUNCTION button that you want to change.
- 2 Press one of the numeric (0 to 9) buttons to select a new component.

Example: To change the CD FUNCTION button to operate a DAT deck, press 2 (for the DAT deck) while holding down the CD button.



Notes

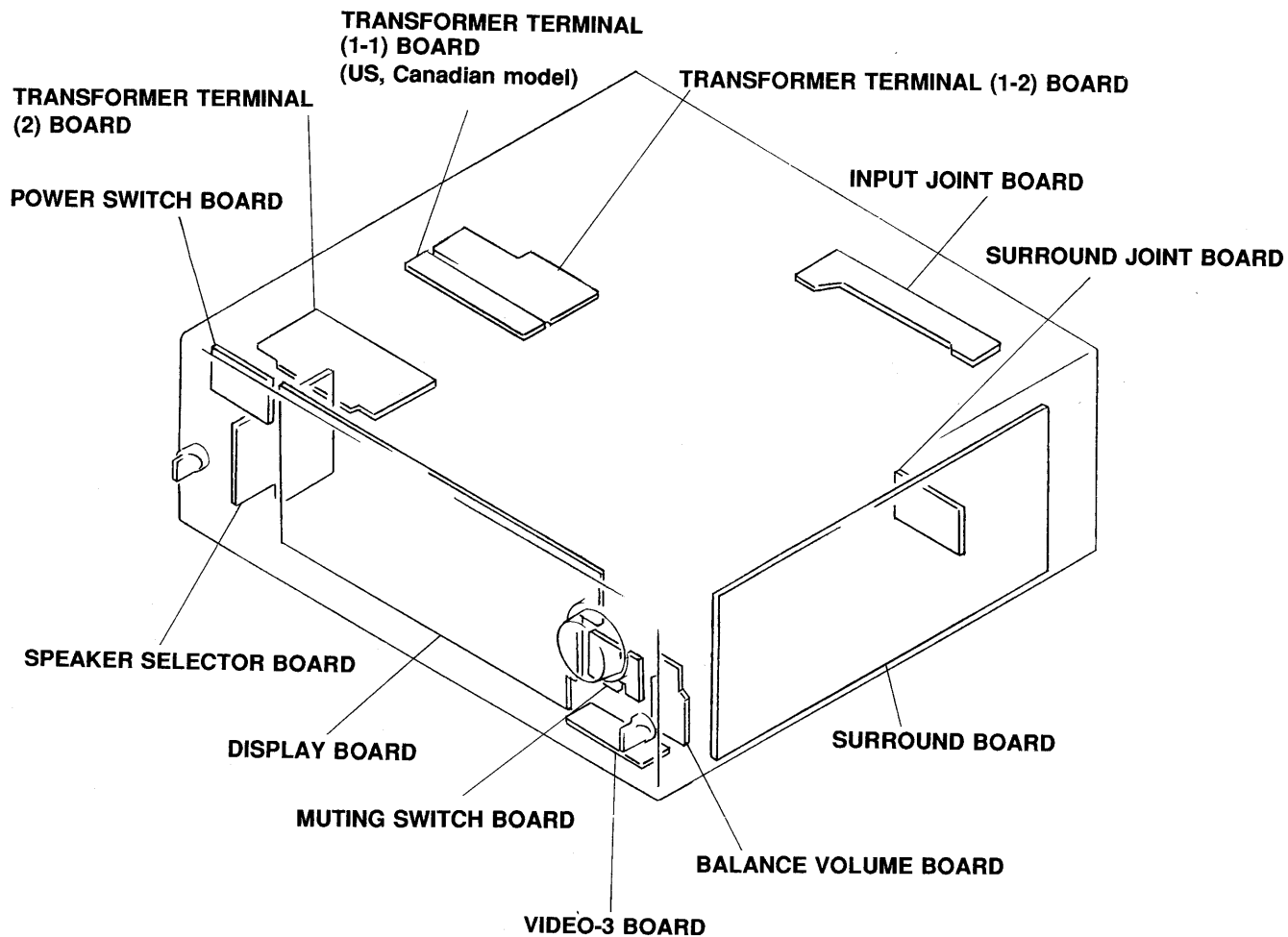
- The settings of the TUNER button and the PHONO button cannot be changed.
- To change the FUNCTION buttons back to their original preset, perform these procedures again.

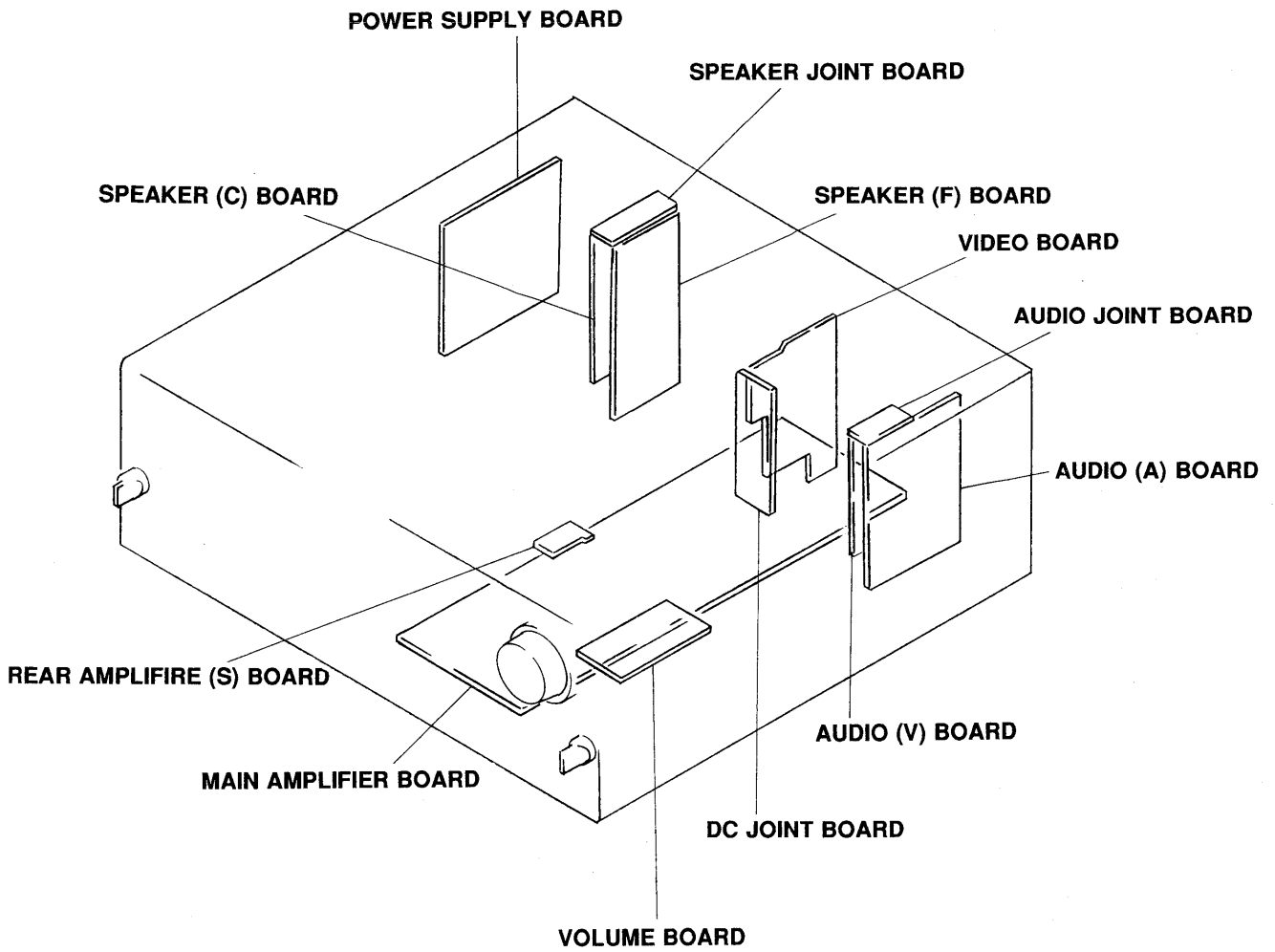
With the numeric buttons (0 to 9), each function can be selected as described in the following table:

| The function to be selected | Numeric buttons |
|-----------------------------|-----------------|
| TV | 0 |
| CD player | 1 |
| DAT deck | 2 |
| MD recorder | 3 |
| DECK A | 4 |
| DECK B | 5 |
| LD player | 6 |
| VCR 1 (Remote control mode) | 7 |
| VCR 2 (Remote control mode) | 8 |
| VCR 3 (Remote control mode) | 9 |

SECTION 3 DIAGRAMS

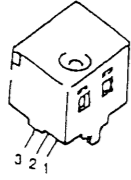
3-1. CIRCUIT BOARDS LOCATION



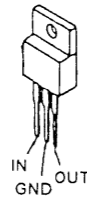


3-2. SEMICONDUCTOR LEAD LAYOUTS

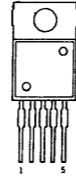
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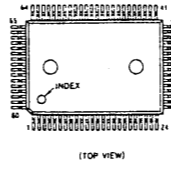
M5F78M05L
TA78M12S



SI-18752-LM



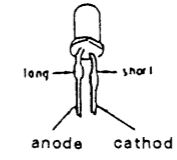
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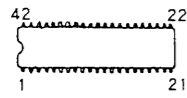
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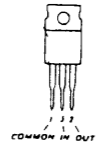
SEL2210S-TH10



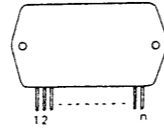
LA2785



M5F79M12L



STK350-130A



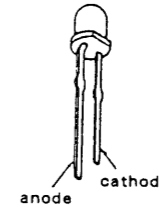
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DTA124ES
DTC114ES
DTC124ES
2SC2785-FEK
2SC3623A-LK



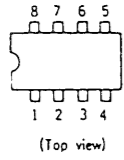
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2SD2012



SEL2810A



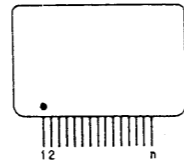
LB1639
M5218AP



M5218AL



STK-3122-3



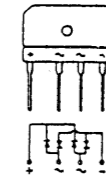
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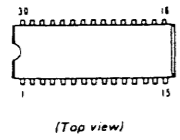
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2SD809-K



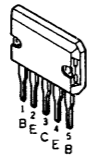
RBA-402
RBV-602-01



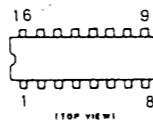
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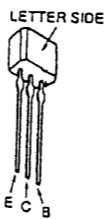
NE-N250
NE-P250



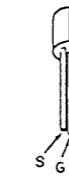
TC9174P



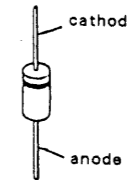
2SA1175-HFE



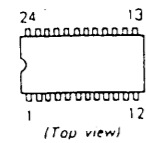
2SK246-GR3



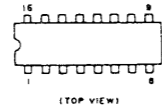
1S1585
1N4148M



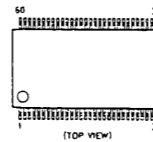
LV1010N



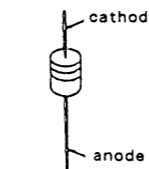
PC74HC237
SN74HC151AN
SN761200N
TC9184P

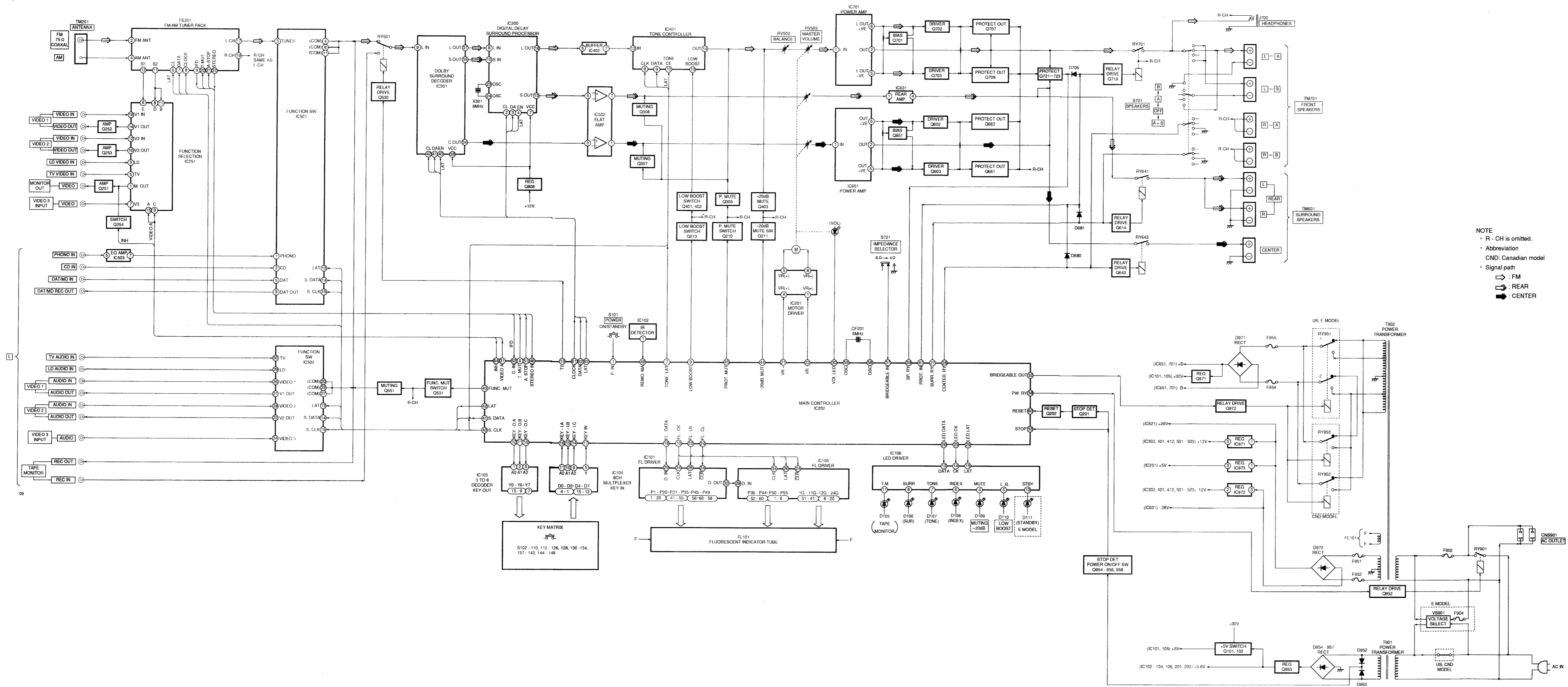


TD62C950RF



HZS4ALL
HZS6C3L
UZL-9H3
UZL-36H
UZP-5.6B
11ES2-NTA2B



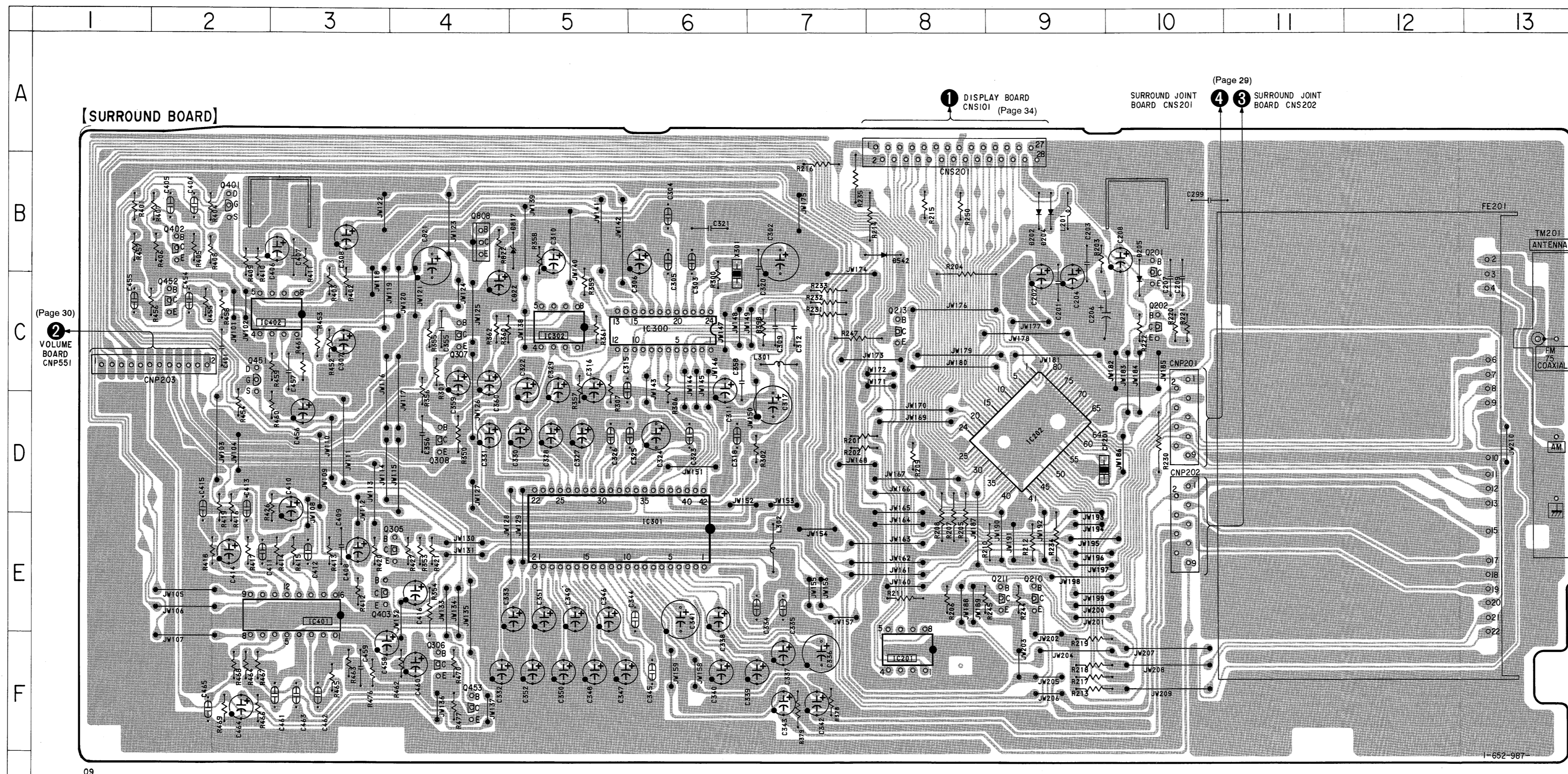


NOTE

- R - CH is omitted.
- Abbreviation
- CND: Canadian model
- Signal path
- ◻ : FM
- ◻ : REAR
- ◻ : CENTER

3-4. PRINTED WIRING BOARD — SURROUND SECTION —

- See page 7 for Circuit Boards Location.
- See page 9 for Semiconductor Lead Layouts.

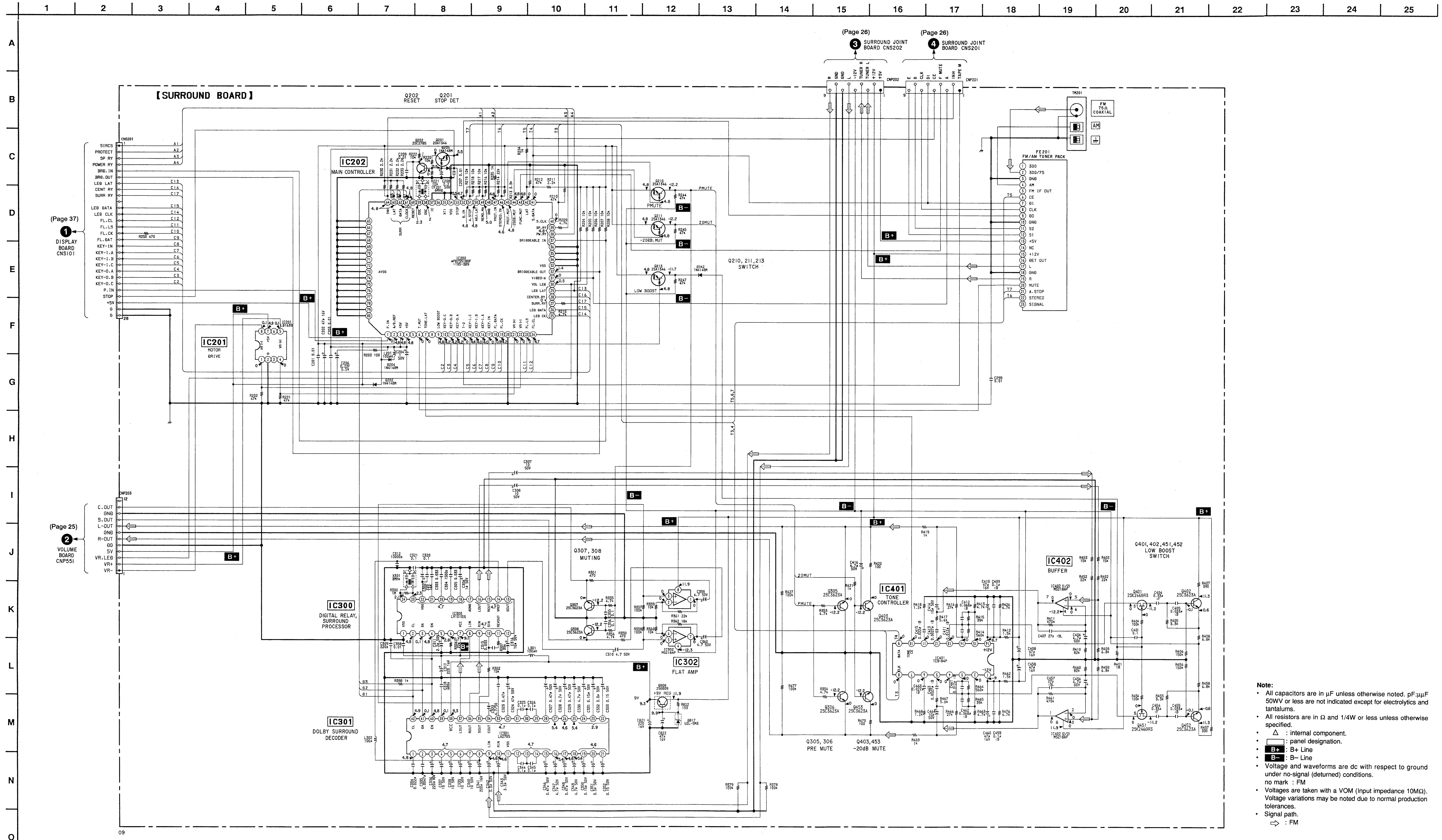


• Semiconductor Location

| Ref. No. | Location |
|----------|----------|
| D202 | B-9 |
| D204 | B-9 |
| D205 | B-10 |
| D542 | B-8 |
| D817 | B-5 |
| IC201 | F-8 |
| IC202 | D-9 |
| IC300 | C-6 |
| IC301 | E-6 |
| IC302 | C-5 |
| IC401 | E-3 |
| IC402 | C-3 |
| Q201 | B-10 |
| Q202 | C-10 |
| Q210 | F-9 |
| Q211 | F-9 |
| Q213 | C-8 |
| Q305 | F-4 |
| Q306 | F-4 |
| Q307 | C-4 |
| Q308 | D-4 |
| Q401 | B-2 |
| Q402 | B-2 |
| Q403 | E-3 |
| Q451 | C-2 |
| Q452 | C-2 |
| Q453 | F-4 |
| Q808 | B-4 |

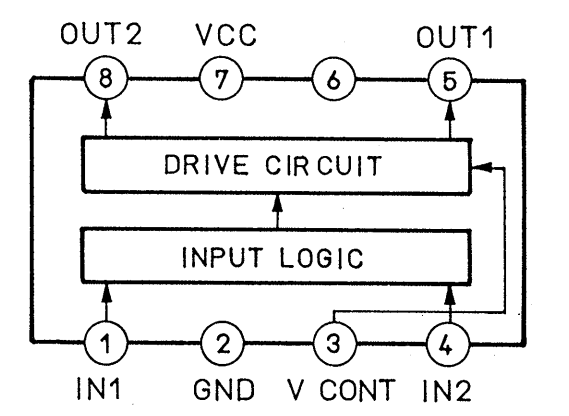
Note:
 • — : parts extracted from the component side.
 • — : Pattern from the side which enable seeing.

3-5. SCHEMATIC DIAGRAM — SURROUND SECTION —
See page 41 for IC Pin Functions. (IC202)

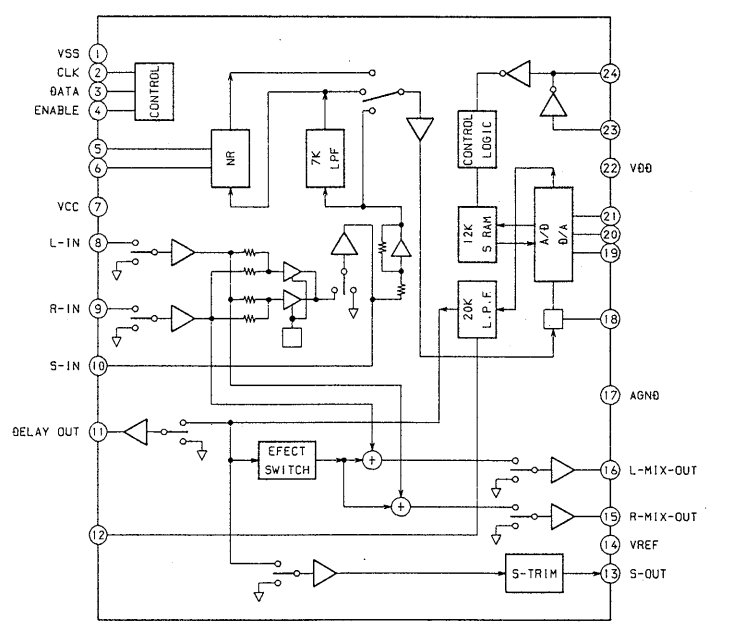


IC Block Diagrams.

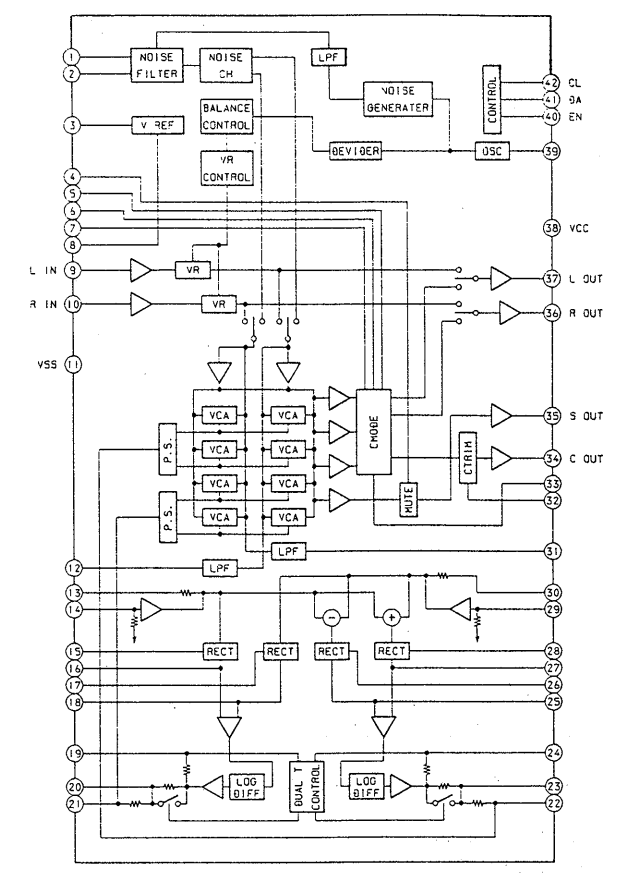
IC201 LB1639



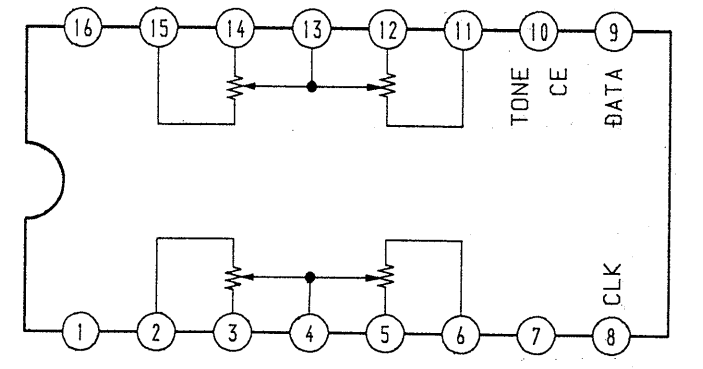
IC300 LV1010N



IC301 LA2785



IC401 TC9184P

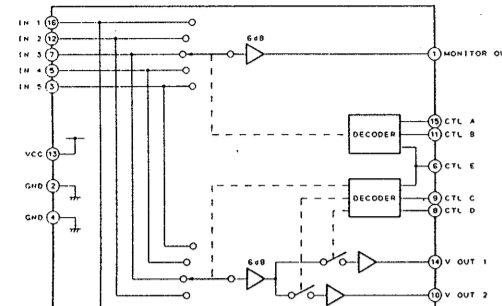


- Note:**
- All capacitors are in μF unless otherwise noted. pF : μpF 50V or less are not indicated except for electrolytics and tantalums.
 - All resistors are in Ω and 1/4W or less unless otherwise specified.
 - Δ : internal component.
 - \square : panel designation.
 - $B+$: B+ Line
 - $B-$: B- Line
 - Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
 - no mark: FM
 - Voltages are taken with a VOM (input impedance 10M Ω). Voltage variations may be noted due to normal production tolerances.
 - Signal path.
 - \Rightarrow : FM

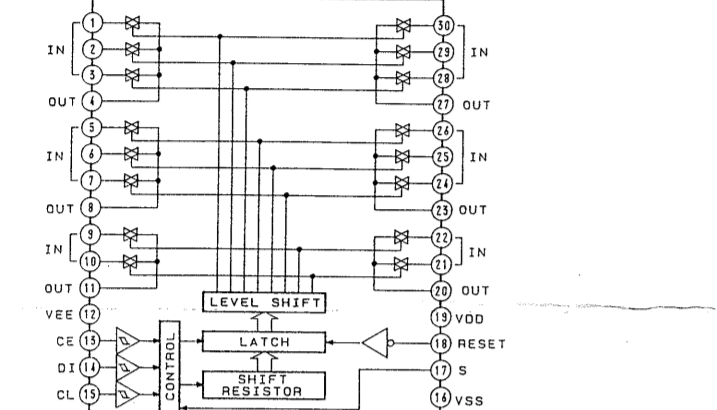
3-6. SCHEMATIC DIAGRAM — MAIN SECTION —

• IC Block Diagrams.

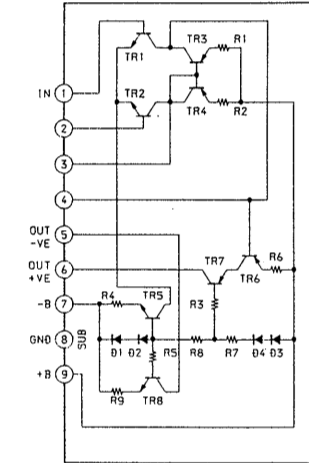
IC251 SN761200N



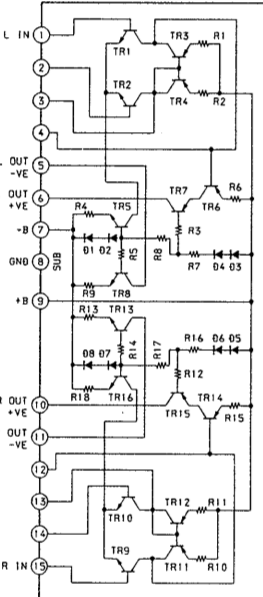
IC501, 502 LC7822



IC651 STK350-130



IC701 STK3122-3

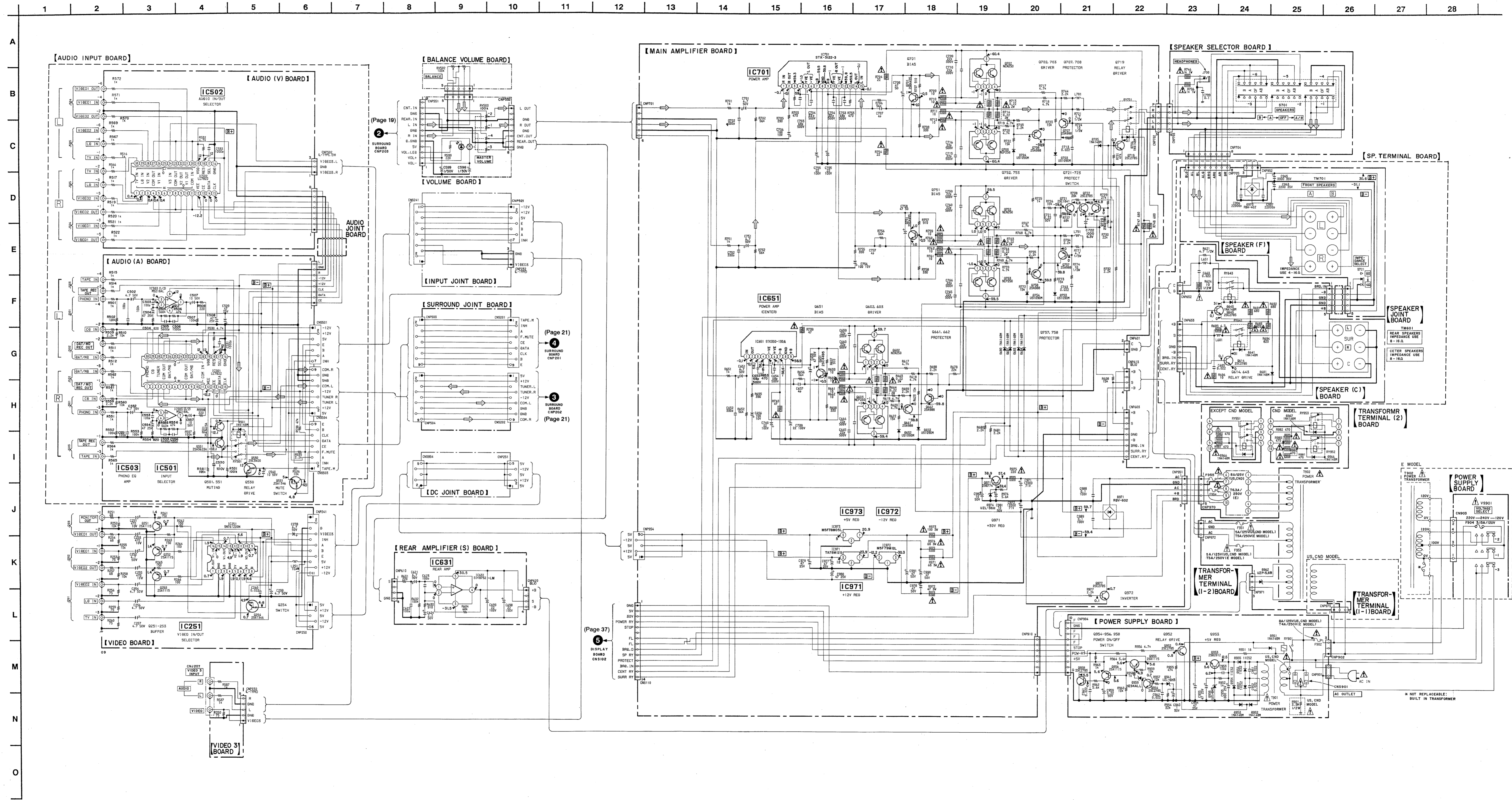


Note:

- All capacitors are in μF unless otherwise noted. pF μMFD 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- \square : nonflammable resistor.
- \square : panel designation.

Note: Les composants identifiés par une marque Δ ou \square sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

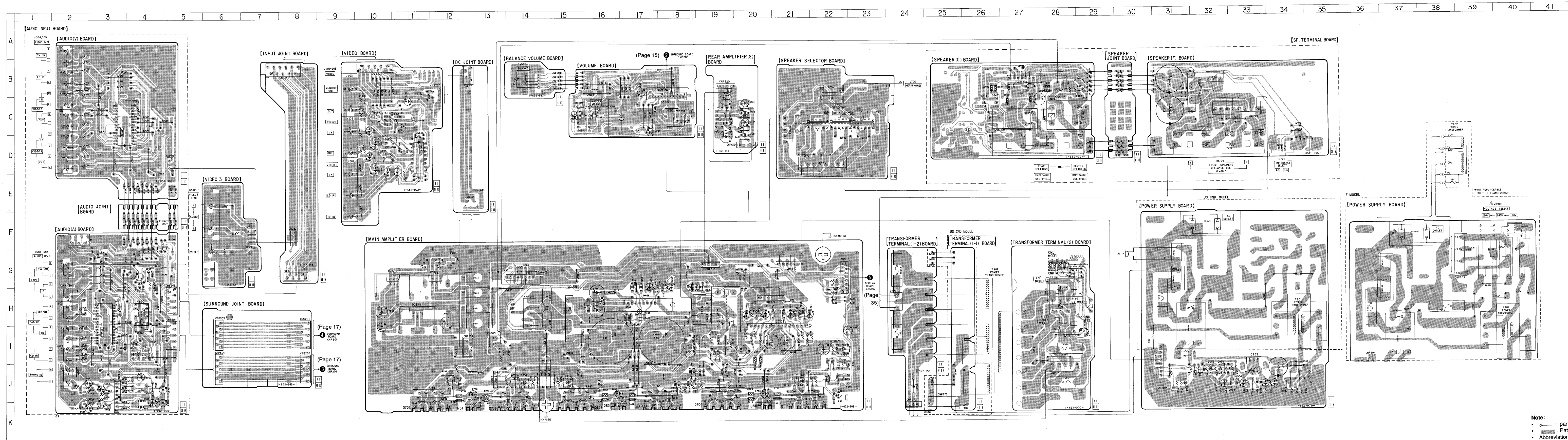
- \square : B+ Line
- \square : B- Line
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- no mark : FM
- Voltages are taken with a VOM (input impedance 10M Ω). Voltage variations may be noted due to normal production tolerances.
- Signal path.
- \rightarrow : FM
- Abbreviation
- CND : Canadian model.



A
B
C
D
E
F
G
H
I
J
K
L
M
N
O

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28

3-7. PRINTED WIRING BOARDS — MAIN SECTION —
 • See page 7 for Circuit Boards Location.
 • See page 9 for Semiconductor Lead Layouts.



• Semiconductor Location

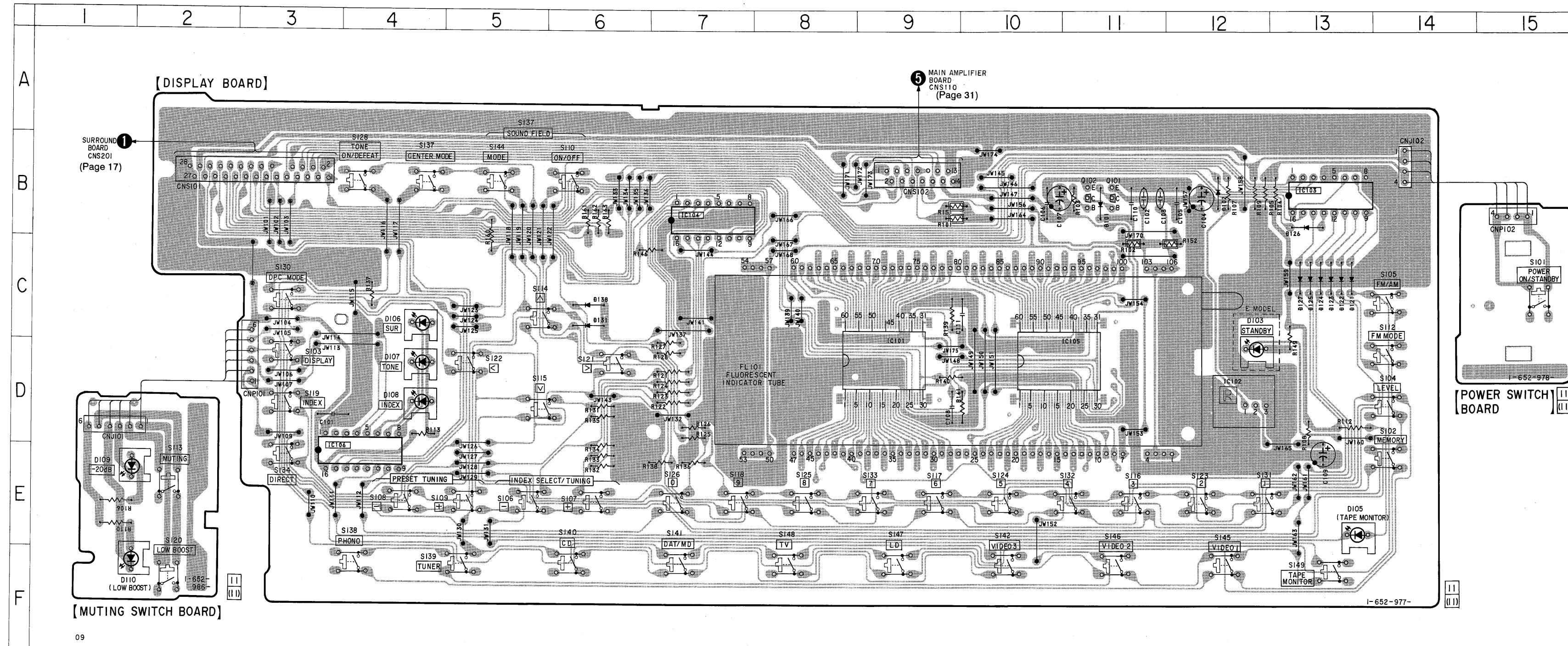
| Ref. No. | Location | Ref. No. | Location |
|----------|----------|----------|----------|
| D501 | I-4 | IC503 | J-3 |
| D601 | D-26 | IC631 | C-19 |
| D641 | C-26 | IC651 | H-17 |
| D645 | C-28 | IC701 | I-21 |
| D652 | J-19 | IC971 | H-11 |
| D653 | J-15 | IC972 | G-12 |
| D680 | H-23 | IC973 | G-11 |
| D681 | H-23 | Q251 | C-10 |
| D683 | H-22 | Q252 | D-10 |
| D684 | H-22 | Q253 | D-10 |
| D703 | J-19 | Q254 | C-11 |
| D704 | K-22 | Q501 | I-4 |
| D705 | G-22 | Q530 | G-4 |
| D706 | H-19 | Q531 | G-4 |
| D733 | J-13 | Q551 | I-4 |
| D754 | J-14 | Q614 | C-26 |
| D851 | I-13 | Q643 | C-26 |
| D852 | J-35 | Q661 | J-18 |
| D853 | J-35 | Q662 | J-15 |
| D854 | J-34 | Q707 | J-19 |
| D855 | J-34 | Q708 | J-21 |
| D856 | J-35 | Q719 | H-19 |
| D857 | J-34 | Q721 | J-23 |
| D858 | J-33 | Q722 | I-22 |
| D859 | J-33 | Q723 | I-22 |
| D861 | J-33 | Q757 | J-12 |
| D862 | J-24 | Q758 | J-14 |
| D866 | G-29 | Q852 | J-31 |
| D867 | I-29 | Q853 | J-33 |
| D868 | J-24 | Q854 | J-33 |
| D869 | G-29 | Q855 | J-32 |
| D870 | C-32 | Q856 | J-32 |
| D871 | H-15 | Q871 | J-23 |
| D874 | J-22 | Q872 | H-14 |
| IC251 | D-11 | | |
| IC501 | I-3 | | |
| IC502 | C-3 | | |

Note:
 • : parts extracted from the component side.
 • : Pattern from the side which enable seeing.
 • Abbreviation
 CND : Canadian model.

3-8. PRINTED WIRING BOARDS — DISPLAY SECTION —
 • See page 7 for Circuit Boards Location.
 • See page 9 for Semiconductor Lead Layouts.

• Semiconductor Location

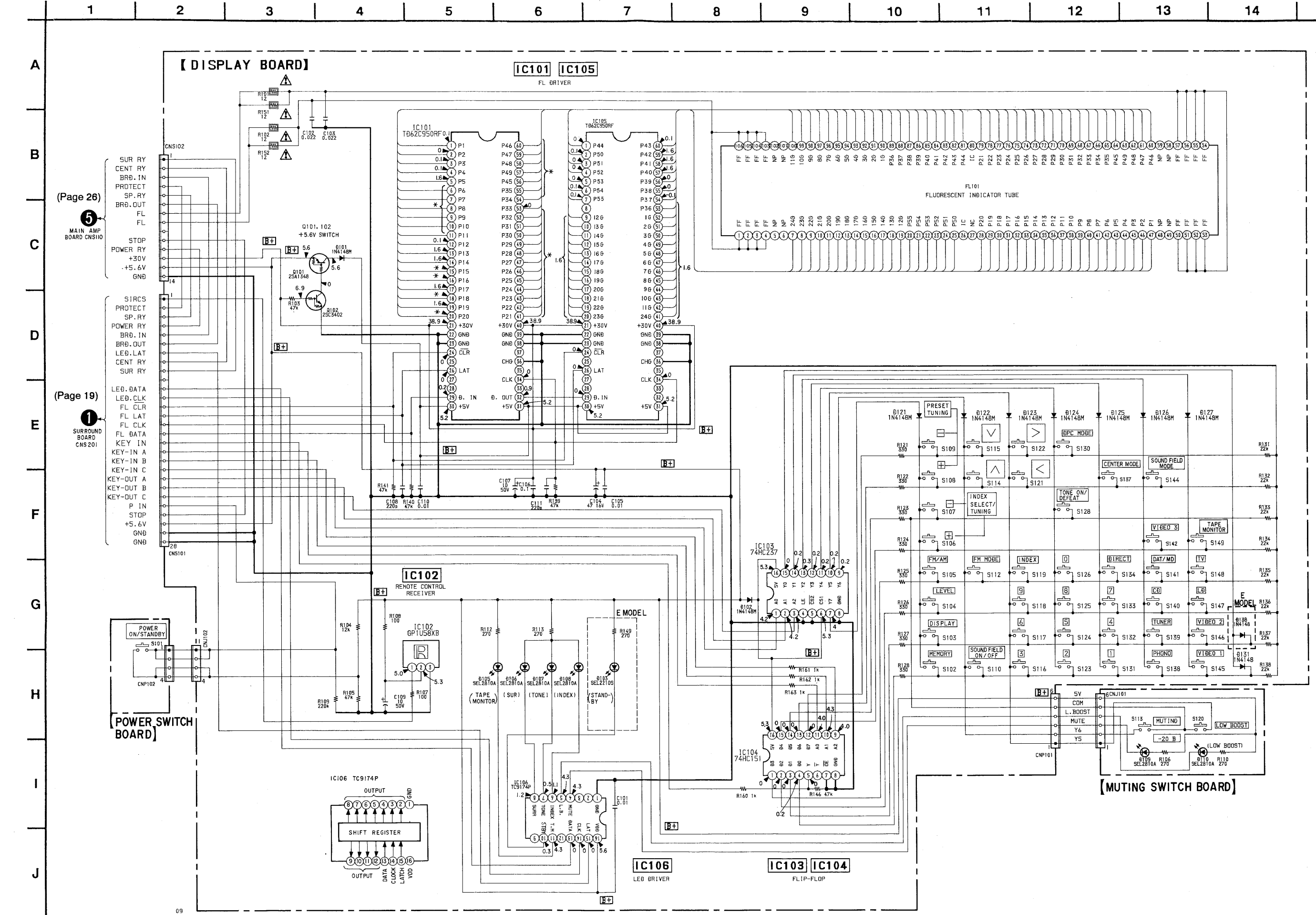
| Ref. No. | Location |
|----------|----------|
| D101 | B-11 |
| D102 | B-12 |
| D103 | D-12 |
| D105 | E-13 |
| D106 | C-4 |
| D107 | D-4 |
| D108 | D-4 |
| D109 | F-1 |
| D110 | F-1 |
| D121 | C-13 |
| D122 | C-13 |
| D123 | C-13 |
| D124 | C-13 |
| D125 | C-13 |
| D126 | B-13 |
| D127 | C-13 |
| D131 | C-6 |
| D135 | C-6 |
| D136 | C-6 |
| D138 | C-6 |
| IC101 | C-9 |
| IC102 | D-12 |
| IC103 | B-13 |
| IC104 | B-7 |
| IC105 | C-11 |
| IC106 | E-3 |
| Q101 | B-11 |
| Q102 | B-11 |



09

Note:
 • — : parts extracted from the component side.
 • — : Pattern from the side which enable seeing.

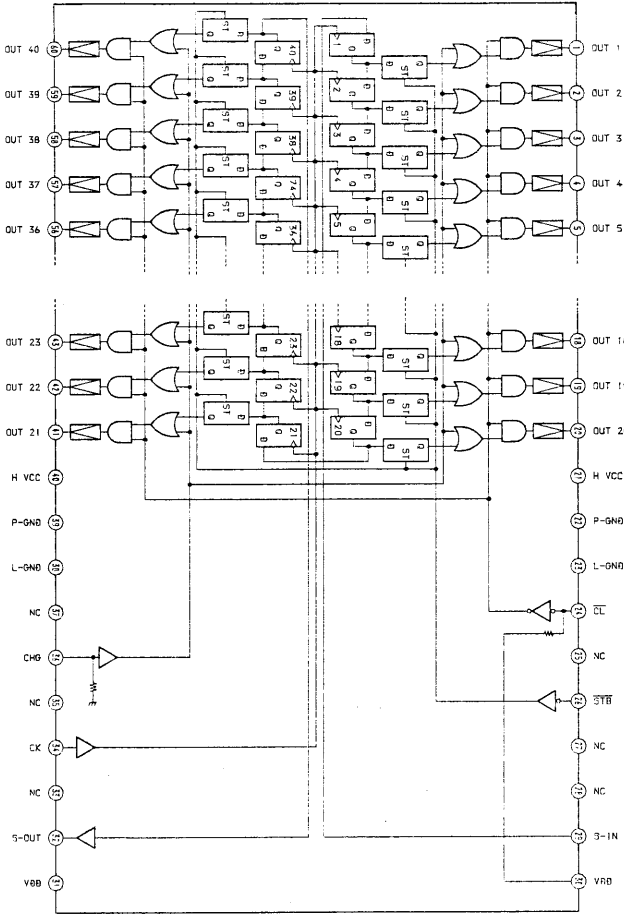
3-9. SCHEMATIC DIAGRAM — DISPLAY SECTION —
 • See page 40 for IC Pin Functions. (IC106)



09

• IC Block Diagrams.

IC101, 105 TD62C950RF



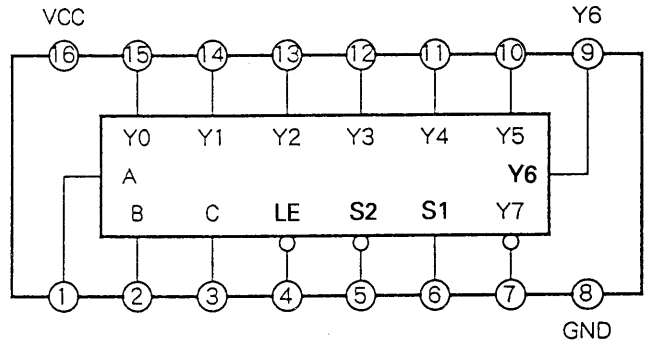
Note:

- All capacitors are in μF unless otherwise noted. $\text{pF}; \mu\text{F}$ 50VV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $1/4\text{W}$ or less unless otherwise specified.
- : panel designation.

| | |
|--|--|
| <p>Note: The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.</p> | <p>Note: Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.</p> |
|--|--|

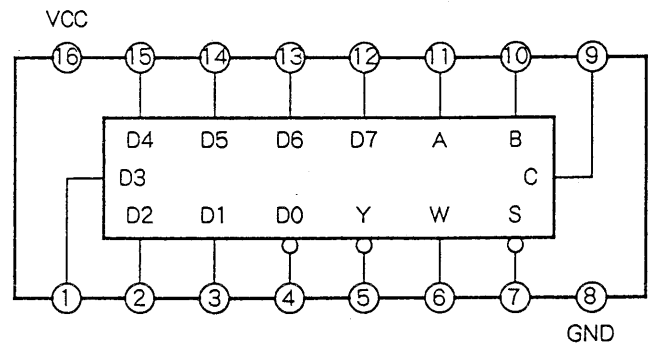
- B+: B+ Line
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
no mark : FM
- Voltages are taken with a VOM (Input impedance $10\text{M}\Omega$). Voltage variations may be noted due to normal production tolerances.
- * : can not be measured.

IC103 74HC237



| INPUTS | | | | | | OUTPUTS | | | | | | | |
|--------|-----|-----|----|----|----|---------|----|----|----|----|----|----|----|
| LE | CS1 | CS2 | A2 | A1 | A0 | Y0 | Y1 | Y2 | Y3 | Y4 | Y5 | Y6 | Y7 |
| X | X | H | X | X | X | L | L | L | L | L | L | L | L |
| X | L | X | X | X | X | L | L | L | L | L | L | L | L |
| L | H | L | L | L | L | H | L | L | L | L | L | L | L |
| L | H | L | L | L | H | L | H | L | L | L | L | L | L |
| L | H | L | L | H | L | L | L | H | L | L | L | L | L |
| L | H | L | L | H | H | L | L | L | H | L | L | L | L |
| L | H | L | H | H | L | L | L | L | L | L | L | H | L |
| L | H | L | H | H | H | L | L | L | L | L | L | L | H |
| H | H | L | X | X | X | HOLD | | | | | | | |

IC104 74HC151



| INPUTS | | | | OUTPUTS | |
|--------|---|---|--------|---------|-----------------|
| SELECT | | | STROBE | Y | W |
| C | B | A | S | | |
| X | X | X | H | L | H |
| L | L | L | L | D0 | $\overline{D0}$ |
| L | L | H | L | D1 | $\overline{D1}$ |
| L | H | L | L | D2 | $\overline{D2}$ |
| L | H | H | L | D3 | $\overline{D3}$ |
| H | L | L | L | D4 | $\overline{D4}$ |
| H | L | H | L | D5 | $\overline{D5}$ |
| H | H | L | L | D6 | $\overline{D6}$ |
| H | H | H | L | D7 | $\overline{D7}$ |

3-10. IC PIN FUNCTIONS

• IC106 (TC9174P) LED DRIVER

| Pin No. | Pin Name | I/O | Function |
|---------|----------|-----|-----------------------------|
| 1 | GND | — | GND |
| 2 | — | — | Not used |
| 3 | — | — | Not used |
| 4 | MUTE | O | MUTING LED drive |
| 5 | L.B. | O | LOW BOOST LED drive |
| 6 | INDEX | O | INDEX LED drive |
| 7 | TONE | O | TONE LED drive |
| 8 | SURR | O | SUR LED drive |
| 9 | — | — | Not used |
| 10 | STBY | O | STANDBY LED drive (E model) |
| 11 | T.M | O | TAPE MONITOR LED drive |
| 12 | — | — | Not used |
| 13 | DATA | I | Serial data input |
| 14 | CK | I | Serial clock input |
| 15 | LAT | I | Serial latch input |
| 16 | VDD | — | +5.6V |

• IC202 (μ PD75518GF-195-3B9) MAIN CONTROLLER

| Pin No. | Pin Name | I/O | Function |
|---------|----------------|-----|---|
| 1 | P. IN | I | POWER IN |
| 2 | A/D. REF | - | REFERENCE VOLTAGE OF A/D CONVERTER (+5V) |
| 3 | +5V | - | +5V |
| 4 | +5V | - | +5V |
| 5 | - | O | OPEN |
| 6 | T. MUT | O | TUNER MUTE |
| 7 | TONE. LAT | O | TONE latch |
| 8 | - | O | OPEN |
| 9 | LOW BOOST | O | LOW BOOST ON/OFF |
| 10 | KEY-O. C | O | KEY OUT CONTROL -C |
| 11 | KEY-O. B | O | KEY OUT CONTROL -B |
| 12 | KEY-O. A | O | KEY OUT CONTROL -A |
| 13 | T-2 | O | TAPE MONITOR ON/OFF |
| 14 | KEY-I. C | O | KEY IN CONTROL -C |
| 15 | KEY-I. B | O | KEY IN CONTROL -B |
| 16 | KEY-I. A | O | KEY IN CONTROL -A |
| 17 | KEY. IN | I | KEY INPUT |
| 18 | FL. DATA | O | FL DRIVER SERIAL DATA |
| 19 | FL. CK | O | FL DRIVER SERIAL CLOCK |
| 20 | - | - | GND |
| 21 | VR (+) | O | VOLUME UP control |
| 22 | VR (-) | O | VOLUME DOWN control |
| 23 | FL. LS | O | FL DRIVER LATCH |
| 24 | FL. CL | O | FL DRIVER CLEAR |
| 25 | LED CK | O | LED clock |
| 26 | LED DATA | O | LED data |
| 27 | SURR. RY | O | SURROUND RELAY drive |
| 28 | CENTER. RY | O | CENTER RELAY drive |
| 29 | LED LAT | O | LED latch |
| 30 | VOL LED | O | VOLUME LED drive |
| 31 | VIDEO-A | O | VIDEO A SELECT |
| 32 | BRIDGEABLE OUT | O | SP=8 Ω : 2CH \rightarrow "L", SURR \rightarrow "H"/SP=4 Ω : ALL "H" |
| 33 | Vss | - | GND |
| 34 | - | - | GND |
| 35 | - | - | GND |
| 36 | - | - | GND |
| 37 | BRIDGEABLE IN | I | SP4 Ω /8 Ω SELECT4 Ω = "L" 8 Ω = "H" |
| 38 | PW. RY | O | POWER RELAY drive |
| 39 | SP. RY | O | SPEAKER RELAY drive |
| 40 | S. CLK | O | SERIAL CLOCK |

| Pin No. | Pin Name | I/O | Function |
|---------|------------------|-----|--|
| 41 | S. DATA | O | SERIAL DATA |
| 42 | LAT | O | SERIAL LATCH |
| 43 | FUNC. MUT | O | FUNCTION MUTE |
| 44 | -20DB. MUT | O | -20dB MUTE |
| 45 | PROT. MUT | O | PROTECTOR MUTE (Use a things S-MUTE) |
| 46 | STEREO. IN | I | TUNER STEREO SIGNAL INPUT |
| 47 | PROT. IN | I | PROTECTOR INPUT |
| 48 | GND | - | GND |
| 49 | REMO. MA | I | REMOTE CONTROL INPUT |
| 50 | ADJ. LAT | I | AUTO MEASUREMENT LATCH |
| 51 | A. STOP | I | TUNER AUTO STOP |
| 52 | D. IN | I | IF COUNT DATA INPUT |
| 53 | STOP | I | STOP DETECT |
| 54 | V _{ss} | - | GND |
| 55 | XT1 | - | GND |
| 56 | - | - | OPEN |
| 57 | IC | - | GND |
| 58 | OSC | - | CRYSTAL OSCILLATOR 6MHz |
| 59 | OSC | - | CRYSTAL OSCILLATOR 6MHz |
| 60 | RESET | I | RESET INPUT |
| 61 | SURR CLOCK | O | Serial clock for surround IC (LV1010N, LA2785) |
| 62 | SURR DATA | O | Serial data for surround IC (LV1010N, LA2785) |
| 63 | SURR LAT | O | Serial latch for surround IC (LV1010N, LA2785) |
| 64 | INH | O | Inhibit output for VIDEO MONITOR OUT |
| 65 | - | I | GND |
| 66 | - | I | GND |
| 67 | - | I | GND |
| 68 | - | I | GND |
| 69 | - | I | GND |
| 70 | - | I | GND |
| 71 | - | I | GND |
| 72 | - | I | GND |
| 73 | AV _{ss} | - | GND |
| 74 | - | I | GND |
| 75 | - | I | GND |
| 76 | - | I | GND |
| 77 | - | I | GND |
| 78 | - | I | GND |
| 79 | - | I | GND |
| 80 | - | I | GND |

SECTION 4 EXPLODED VIEWS

NOTE:

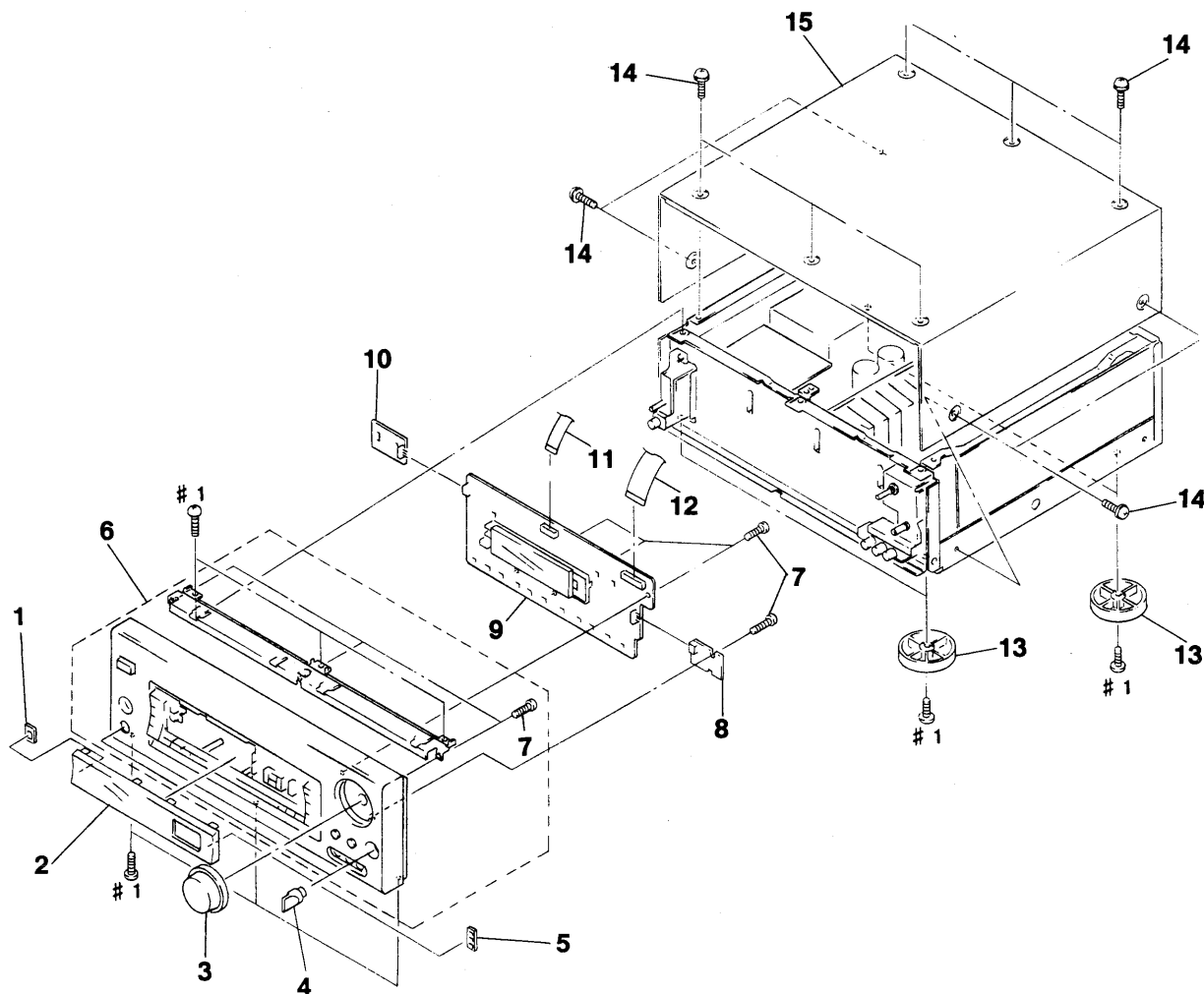
- Items marked “ * ” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- The mechanical parts with no reference number in the exploded views are not supplied.

- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.
- Abbreviation
CND : Canadian model

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

Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

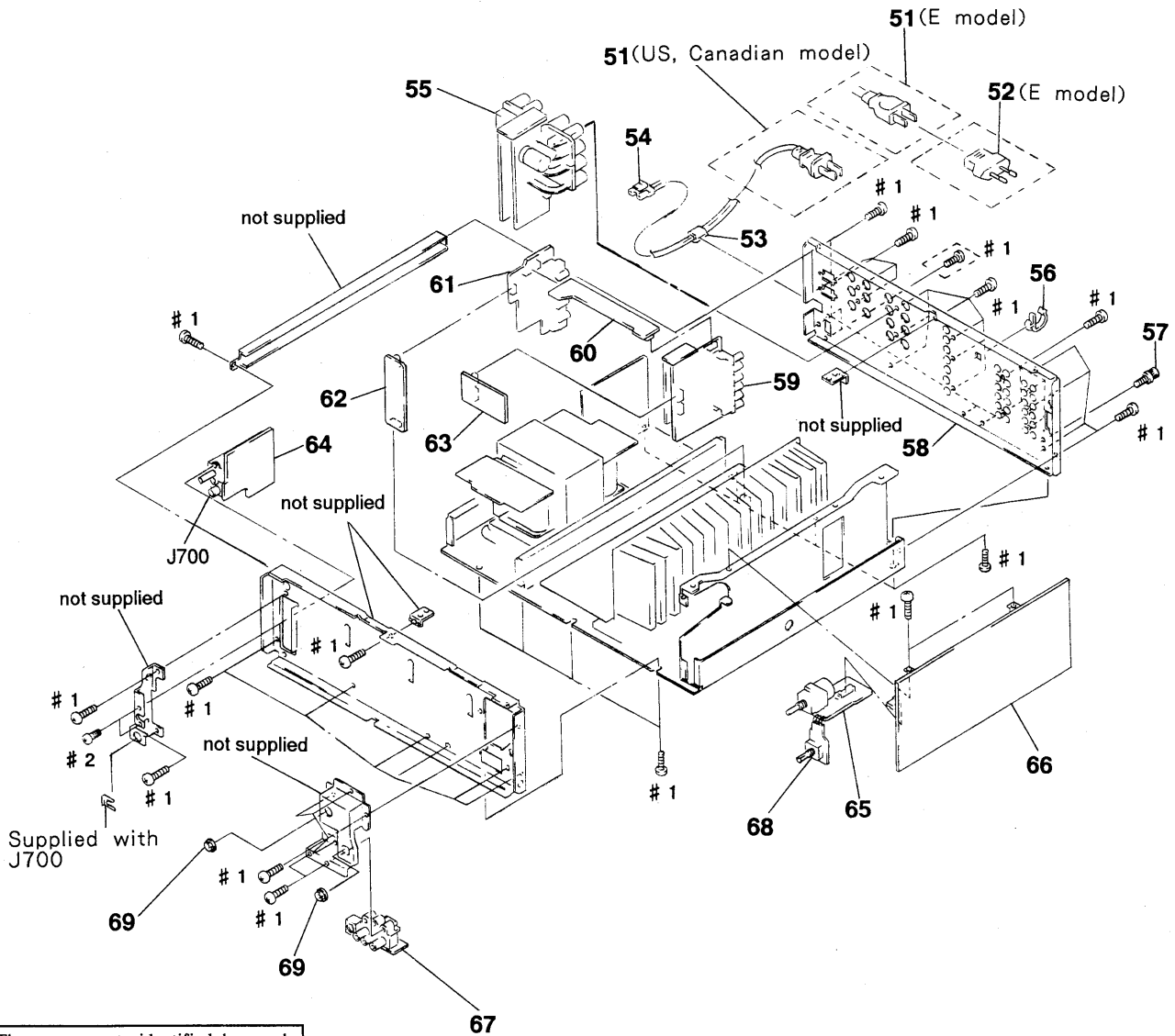
4-1. FRONT PANEL SECTION



| Ref. No. | Part No. | Description | Remark |
|----------|--------------|---------------------------------|--------|
| 1 | 4-968-469-11 | ILLUMINATOR (ST) (E) | |
| 2 | 4-965-948-01 | PLATE (B), INDICATION (US, CND) | |
| 2 | 4-965-948-11 | PLATE (B), INDICATION (E) | |
| 3 | X-4942-296-1 | KNOB ASSY | |
| 4 | 4-908-097-21 | KNOB | |
| 5 | 4-967-925-11 | ILLUMINATOR (DPC) | |
| 6 | X-4944-987-1 | PANEL ASSY, FRONT | |
| 7 | 4-951-620-01 | SCREW (2.6X8), +BVTP | |
| * 8 | 1-652-986-11 | MUTING SWITCH BOARD | |

| Ref. No. | Part No. | Description | Remark |
|----------|--------------|-----------------------------------|--------|
| * 9 | A-4371-301-A | DISPLAY BOARD, COMPLETE (US, CND) | |
| * 9 | A-4371-302-A | DISPLAY BOARD, COMPLETE (E) | |
| * 10 | 1-652-978-11 | POWER SWITCH BOARD | |
| 11 | 1-765-300-11 | WIRE (FLAT TYPE) (13 CORE) | |
| 12 | 1-765-308-11 | WIRE (FLAT TYPE) (27 CORE) | |
| 13 | X-4942-706-1 | FOOT (58175) ASSY | |
| 14 | 3-704-366-01 | SCREW (CASE) (M3X8) | |
| 15 | 4-966-116-01 | CASE | |

4-2. BACK PANEL SECTION

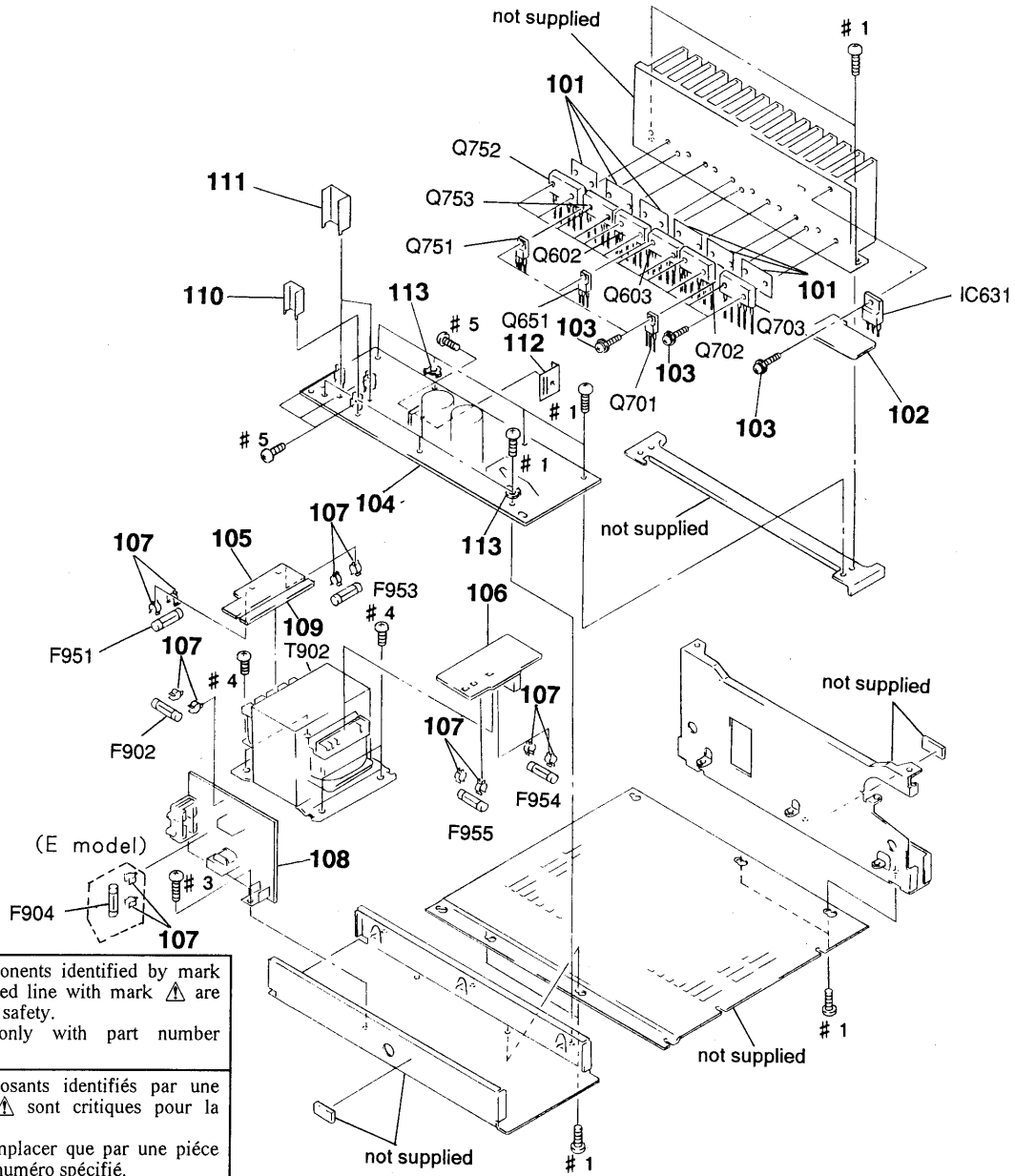


The components identified by mark \triangle or dotted line with mark \triangle are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque \triangle sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|----------------|--------------|--|--------|----------|--------------|------------------------------------|--------|
| \triangle 51 | 1-575-975-11 | CORD, POWER (US, CND) | | * 60 | 1-652-984-11 | INPUT JOINT BOARD | |
| \triangle 51 | 1-590-074-11 | CORD, POWER (E) | | * 61 | 1-652-992-11 | VIDEO BOARD | |
| \triangle 52 | 1-569-007-11 | ADAPTER, CONVERSION 2P (E) | | * 62 | 1-653-514-11 | DC JOINT BOARD | |
| * 53 | 3-703-244-00 | BUSHING (2104), CORD | | * 63 | 1-652-985-11 | SURROUND JOINT BOARD | |
| \triangle 54 | 1-769-077-31 | LEAD (WITH CONNECTOR) (2 CORE) (US, CND) | | * 64 | 1-652-980-11 | SPEAKER SELECTOR BOARD | |
| * 55 | A-4371-336-A | SP. TERMINAL BOARD, COMPLETE | | * 65 | 1-652-982-11 | VOLUME BOARD | |
| * 56 | 4-949-235-01 | HOOK | | * 66 | A-4371-330-A | SURROUND BOARD, COMPLETE (US, CND) | |
| 57 | 4-947-010-01 | SCREW, FEEDER FIXED | | * 66 | A-4371-331-A | SURROUND BOARD, COMPLETE (E) | |
| * 58 | 4-966-945-01 | PANEL, BACK (US) | | * 67 | 1-652-981-11 | VIDEO-3 BOARD | |
| * 58 | 4-966-945-11 | PANEL, BACK (CND) | | * 68 | 1-652-983-11 | BALANCE VOLUME BOARD | |
| * 58 | 4-966-945-21 | PANEL, BACK (E) | | 69 | 3-575-039-00 | NUT CONTROL | |
| * 59 | A-4371-324-A | AUDIO INPUT BOARD, COMPLETE | | | | | |

4-3. POWER TRANSFORMER SECTION



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

Les composants identifiés par une marque \triangle sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|------------------|--------------|---|--------|------------------|---|-------------|--------|
| | 101 | 4-885-901-31 SHEET, RADIATION | | \triangle F951 | 1-576-109-11 FUSE (5A 125V) (US, CND) | | |
| * | 102 | 1-653-001-11 REAR AMPLIFIER (S) BOARD | | \triangle F953 | 1-532-299-00 TIME LAG FUSE (T5AL 250V) (E) | | |
| | 103 | 3-905-609-01 SCREW (TRANSISTOR) | | \triangle F953 | 1-576-109-11 FUSE (5A 125V) (US, CND) | | |
| * | 104 | A-4371-333-A MAIN AMPLIFIER BOARD, COMPLETE (US, E) | | \triangle F954 | 1-532-506-51 TIME LAG FUSE (T6.3AL 250V) (E) | | |
| * | 104 | A-4371-334-A MAIN AMPLIFIER BOARD, COMPLETE (CND) | | \triangle F954 | 1-532-749-11 FUSE, GLASS TUBE (8A 125V) (US, CND) | | |
| * | 105 | 1-652-999-11 TRANSFORMER TERMINAL (1-2) BOARD | | \triangle F955 | 1-532-506-51 TIME LAG FUSE (T6.3AL 250V) (E) | | |
| * | 106 | 1-653-000-11 TRANSFORMER TERMINAL (2) BOARD | | \triangle F955 | 1-532-749-11 FUSE, GLASS TUBE (8A 125V) (US, CND) | | |
| | 107 | 1-533-293-11 FUSE HOLDER | | Q602 | 8-749-010-43 IC NE-N250 | | |
| * | 108 | A-4371-310-A POWER SUPPLY BOARD, COMPLETE (US, CND) | | Q603 | 8-749-010-42 IC NE-P250 | | |
| * | 108 | A-4371-328-A POWER SUPPLY BOARD, COMPLETE (E) | | Q651 | 8-729-026-08 TRANSISTOR 2SC4495 | | |
| * | 109 | 1-652-998-11 TRANSFORMER TERMINAL (1-1) BOARD (US, CND) | | Q701 | 8-729-026-08 TRANSISTOR 2SC4495 | | |
| * | 110 | 3-309-144-21 HEAT SINK | | Q702 | 8-749-010-43 IC NE-N250 | | |
| * | 111 | 4-964-290-01 HEAT SINK | | Q703 | 8-749-010-42 IC NE-P250 | | |
| * | 112 | 4-931-903-01 HEAT SINK (DI) | | Q751 | 8-729-026-08 TRANSISTOR 2SC4495 | | |
| * | 113 | 4-942-204-01 PLATE, GROUND | | Q752 | 8-749-010-43 IC NE-N250 | | |
| | IC631 | 8-759-502-33 IC SI-18752 | | Q753 | 8-749-010-42 IC NE-P250 | | |
| \triangle F902 | 1-532-350-00 | TIME LAG FUSE (T4AL 250V) (E) | | \triangle T902 | 1-426-880-11 TRANSFORMER, POWER (US) | | |
| \triangle F904 | 1-532-350-00 | TIME LAG FUSE (T4AL 250V) (E) | | \triangle T902 | 1-426-881-11 TRANSFORMER, POWER (CND) | | |
| \triangle F904 | 1-532-350-00 | TIME LAG FUSE (T4AL 250V) (E) | | \triangle T902 | 1-426-882-11 TRANSFORMER, POWER (E) | | |
| \triangle F951 | 1-532-299-00 | TIME LAG FUSE (T5AL 250V) (E) | | | | | |

SECTION 5

AUDIO INPUT

ELECTRICAL PARTS LIST

NOTE:

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

Les composants identifiés par une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

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

- 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.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.

- RESISTORS
All resistors are in ohms
METAL: Metal-film resistor
METAL OXIDE: Metal Oxide-film resistor
F : nonflammable
- SEMICONDUCTORS
In each case, u: μ , for example:
uA...: μ A..., uPA...: μ PA..., uPB...: μ PB...,
uPC...: μ PC..., uPD...: μ PD...
- CAPACITORS
uF : μ F
- COILS
uH : μ H
- Abbreviation
CND : Canadian model

| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|----------|--------------|--|-----------------|----------|--------------|---|--------|
| * | A-4371-324-A | AUDIO INPUT BOARD, COMPLETE ***** (INCLUDING AUDIO (A) BOARD, AUDIO JOINT BOARD, AUDIO (V) BOARD) | | | | < JACK > | |
| | | < CAPACITOR > | | J501 | 1-766-396-11 | JACK, PIN 4P (CD/PHONO IN) | |
| C501 | 1-162-282-31 | CERAMIC | 100PF 10% 50V | J502 | 1-750-150-11 | JACK, PIN 4P (DAT/MD IN/OUT) | |
| C502 | 1-124-927-11 | ELECT | 4.7uF 20% 100V | J503 | 1-750-150-11 | JACK, PIN 4P (TAPE IN/OUT) | |
| C503 | 1-162-282-31 | CERAMIC | 100PF 10% 50V | J504 | 1-580-825-11 | JACK, PIN 6P (VIDEO 1 IN/OUT, VIDEO 2 OUT-AUDIO) | |
| C504 | 1-124-477-11 | ELECT | 47uF 20% 25V | J505 | 1-580-825-11 | JACK, PIN 6P (VIDEO 2/LD/TV IN-AUDIO) | |
| C505 | 1-130-480-00 | MYLAR | 0.0056uF 5% 50V | | | < TRANSISTOR > | |
| C506 | 1-130-473-00 | MYLAR | 0.0015uF 5% 50V | Q501 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK | |
| C507 | 1-124-907-11 | ELECT | 10uF 20% 50V | Q530 | 8-729-900-36 | TRANSISTOR DTC124ES | |
| C508 | 1-124-477-11 | ELECT | 47uF 20% 25V | Q531 | 8-729-900-63 | TRANSISTOR DTA124ES | |
| C509 | 1-124-477-11 | ELECT | 47uF 20% 25V | Q551 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK | |
| C530 | 1-136-746-11 | MYLAR | 1uF 20% 100V | | | < RESISTOR > | |
| C531 | 1-162-294-31 | CERAMIC | 0.001uF 10% 50V | R501 | 1-249-417-11 | CARBON 1K 5% 1/4W F | |
| C533 | 1-162-294-31 | CERAMIC | 0.001uF 10% 50V | R502 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| C540 | 1-124-907-11 | ELECT | 10uF 20% 50V | R503 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| C551 | 1-162-282-31 | CERAMIC | 100PF 10% 50V | R504 | 1-249-416-11 | CARBON 820 5% 1/4W F | |
| C552 | 1-124-927-11 | ELECT | 4.7uF 20% 100V | R505 | 1-247-897-11 | CARBON 560K 5% 1/4W | |
| C553 | 1-162-282-31 | CERAMIC | 100PF 10% 50V | R506 | 1-249-437-11 | CARBON 47K 5% 1/4W | |
| C554 | 1-124-477-11 | ELECT | 47uF 20% 25V | R507 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| C555 | 1-130-480-00 | MYLAR | 0.0056uF 5% 50V | R508 | 1-249-409-11 | CARBON 220 5% 1/4W F | |
| C556 | 1-130-473-00 | MYLAR | 0.0015uF 5% 50V | R509 | 1-249-421-11 | CARBON 2.2K 5% 1/4W F | |
| C557 | 1-124-907-11 | ELECT | 10uF 20% 50V | R510 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| | | < CONNECTOR > | | R511 | 1-249-417-11 | CARBON 1K 5% 1/4W F | |
| * CNP502 | 1-564-518-11 | PLUG, CONNECTOR 3P | | R512 | 1-249-417-11 | CARBON 1K 5% 1/4W F | |
| CNS501 | 1-695-092-11 | SOCKET, CONNECTOR 7P | | R514 | 1-249-417-11 | CARBON 1K 5% 1/4W F | |
| CNS503 | 1-695-093-11 | SOCKET, CONNECTOR 9P | | R515 | 1-249-417-11 | CARBON 1K 5% 1/4W F | |
| CNS504 | 1-695-093-11 | SOCKET, CONNECTOR 9P | | R516 | 1-249-417-11 | CARBON 1K 5% 1/4W F | |
| | | < DIODE > | | R517 | 1-249-417-11 | CARBON 1K 5% 1/4W F | |
| D501 | 8-719-987-63 | DIODE 1N4148M | | R519 | 1-249-417-11 | CARBON 1K 5% 1/4W F | |
| | | < IC > | | R520 | 1-249-417-11 | CARBON 1K 5% 1/4W F | |
| IC501 | 8-759-805-14 | IC LC7822 | | R521 | 1-249-417-11 | CARBON 1K 5% 1/4W F | |
| IC502 | 8-759-805-14 | IC LC7822 | | R522 | 1-249-417-11 | CARBON 1K 5% 1/4W F | |
| IC503 | 8-759-634-50 | IC M5218AL | | R530 | 1-249-425-11 | CARBON 4.7K 5% 1/4W F | |
| | | | | R531 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| | | | | R532 | 1-249-425-11 | CARBON 4.7K 5% 1/4W F | |
| | | | | R535 | 1-249-421-11 | CARBON 2.2K 5% 1/4W F | |
| | | | | R536 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| | | | | R551 | 1-249-417-11 | CARBON 1K 5% 1/4W F | |
| | | | | R552 | 1-249-441-11 | CARBON 100K 5% 1/4W | |

AUDIO INPUT

BALANCE VOLUME

DC JOINT

DISPLAY

| Ref. No. | Part No. | Description | Remark |
|-----------------------|--------------|--------------------------------------|--------|
| R553 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| R554 | 1-249-416-11 | CARBON 820 5% 1/4W F | |
| R555 | 1-247-897-11 | CARBON 560K 5% 1/4W | |
| R556 | 1-249-437-11 | CARBON 47K 5% 1/4W | |
| R557 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| R558 | 1-249-409-11 | CARBON 220 5% 1/4W F | |
| R559 | 1-249-421-11 | CARBON 2.2K 5% 1/4W F | |
| R560 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R561 | 1-249-417-11 | CARBON 1K 5% 1/4W F | |
| R562 | 1-249-417-11 | CARBON 1K 5% 1/4W F | |
| R564 | 1-249-417-11 | CARBON 1K 5% 1/4W F | |
| R565 | 1-249-417-11 | CARBON 1K 5% 1/4W F | |
| R566 | 1-249-417-11 | CARBON 1K 5% 1/4W F | |
| R567 | 1-249-417-11 | CARBON 1K 5% 1/4W F | |
| R569 | 1-249-417-11 | CARBON 1K 5% 1/4W F | |
| R570 | 1-249-417-11 | CARBON 1K 5% 1/4W F | |
| R571 | 1-249-417-11 | CARBON 1K 5% 1/4W F | |
| R572 | 1-249-417-11 | CARBON 1K 5% 1/4W F | |
| R581 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| R598 | 1-249-437-11 | CARBON 47K 5% 1/4W | |
| < RELAY > | | | |
| RY501 | 1-515-614-11 | RELAY | |
| ***** | | | |
| * | 1-652-983-11 | BALANCE VOLUME BOARD | |
| ***** | | | |
| < VARIABLE RESISTOR > | | | |
| RV502 | 1-238-965-21 | RES, VAR, CARBON 100K/100K (BALANCE) | |
| ***** | | | |
| * | 1-653-514-11 | DC JOINT BOARD | |
| ***** | | | |
| < CONNECTOR > | | | |
| CNP251 | 1-750-180-11 | PIN, CONNECTOR (PC BOARD) 5P | |
| CNS954 | 1-750-179-11 | SOCKET, CONNECTOR 5P | |
| ***** | | | |
| * | A-4371-301-A | DISPLAY BOARD, COMPLETE (US, CND) | |
| ***** | | | |
| * | A-4371-302-A | DISPLAY BOARD, COMPLETE (E) | |
| ***** | | | |
| < CAPACITOR > | | | |
| C101 | 1-161-379-00 | CERAMIC 0.01uF 20% 25V | |
| C102 | 1-164-097-11 | CERAMIC 0.022uF 50V | |

| Ref. No. | Part No. | Description | Remark |
|---------------------------|--------------|------------------------------------|--------|
| C103 | 1-164-097-11 | CERAMIC 0.022uF 50V | |
| C104 | 1-124-477-11 | ELECT 47uF 20% 25V | |
| C105 | 1-161-379-00 | CERAMIC 0.01uF 20% 25V | |
| C106 | 1-164-159-11 | CERAMIC 0.1uF 50V | |
| C107 | 1-124-907-11 | ELECT 10uF 20% 50V | |
| C108 | 1-162-286-31 | CERAMIC 220PF 10% 50V | |
| C109 | 1-126-157-11 | ELECT 10uF 20% 16V | |
| C110 | 1-161-379-00 | CERAMIC 0.01uF 20% 25V | |
| C111 | 1-162-286-31 | CERAMIC 220PF 10% 50V | |
| < CONNECTOR > | | | |
| * CNJ102 | 1-565-480-11 | CONNECTOR, BOARD TO BOARD 4P | |
| * CNP101 | 1-569-798-11 | PLUG, CONNECTOR 6P | |
| * CNP102 | 1-565-295-11 | PLUG, CONNECTOR 4P | |
| CNS101 | 1-766-040-11 | CONNECTOR, FFC (LIF (NON-ZIF)) 27P | |
| CNS102 | 1-766-026-11 | CONNECTOR, FFC (LIF (NON-ZIF)) 13P | |
| < DIODE > | | | |
| D101 | 8-719-987-63 | DIODE 1N4148M | |
| D102 | 8-719-987-63 | DIODE 1N4148M | |
| D103 | 8-719-313-43 | LED SEL2210S-TH10 (STANDBY) (E) | |
| D105 | 8-719-301-49 | LED SEL2810A (TAPE MONITOR) | |
| D106 | 8-719-301-49 | LED SEL2810A (SUR) | |
| D107 | 8-719-301-49 | LED SEL2810A (TONE) | |
| D108 | 8-719-301-49 | LED SEL2810A (INDEX) | |
| D121 | 8-719-987-63 | DIODE 1N4148M | |
| D122 | 8-719-987-63 | DIODE 1N4148M | |
| D123 | 8-719-987-63 | DIODE 1N4148M | |
| D124 | 8-719-987-63 | DIODE 1N4148M | |
| D125 | 8-719-987-63 | DIODE 1N4148M | |
| D126 | 8-719-987-63 | DIODE 1N4148M | |
| D127 | 8-719-987-63 | DIODE 1N4148M | |
| D131 | 8-719-987-63 | DIODE 1N4148M | |
| D138 | 8-719-987-63 | DIODE 1N4148M (E) | |
| < FLUORESCENT INDICATOR > | | | |
| FL101 | 1-517-305-11 | INDICATOR TUBE, FLUORESCENT | |
| < IC > | | | |
| IC101 | 8-759-075-35 | IC TD62C950RF | |
| IC102 | 8-749-923-11 | IC GP1U58XB | |
| IC103 | 8-759-282-30 | IC PC74HC237 | |
| IC104 | 8-759-282-06 | IC PC74HC151 | |
| IC105 | 8-759-075-35 | IC TD62C950RF | |
| IC106 | 8-759-202-07 | IC TC9174P | |
| < TRANSISTOR > | | | |
| Q101 | 8-729-900-61 | TRANSISTOR DTA114ES | |
| Q102 | 8-729-900-80 | TRANSISTOR DTC114ES | |

DISPLAY

INPUT JOINT

MAIN AMPLIFIER

| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|--------------|--------------|---|-------------------|---------------|--------------|--|------------------------------|
| < RESISTOR > | | | | | | | |
| △R101 | 1-249-394-11 | CARBON | 12 5% 1/4W F | S114 | 1-554-303-21 | SWITCH, TACTILE (˘) | |
| △R102 | 1-249-394-11 | CARBON | 12 5% 1/4W F | S115 | 1-554-303-21 | SWITCH, TACTILE (˘) | |
| R103 | 1-249-437-11 | CARBON | 47K 5% 1/4W | S116 | 1-554-303-21 | SWITCH, TACTILE (3) | |
| R104 | 1-249-430-11 | CARBON | 12K 5% 1/4W | S117 | 1-554-303-21 | SWITCH, TACTILE (6) | |
| R105 | 1-249-437-11 | CARBON | 47K 5% 1/4W | S118 | 1-554-303-21 | SWITCH, TACTILE (9) | |
| R107 | 1-247-807-31 | CARBON | 100 5% 1/4W | S119 | 1-554-303-21 | SWITCH, TACTILE (INDEX) | |
| R108 | 1-247-807-31 | CARBON | 100 5% 1/4W | S121 | 1-554-303-21 | SWITCH, TACTILE (>) | |
| R109 | 1-247-887-00 | CARBON | 220K 5% 1/4W | S122 | 1-554-303-21 | SWITCH, TACTILE (<) | |
| R112 | 1-249-410-11 | CARBON | 270 5% 1/4W F | S123 | 1-554-303-21 | SWITCH, TACTILE (2) | |
| R113 | 1-249-410-11 | CARBON | 270 5% 1/4W F | S124 | 1-554-303-21 | SWITCH, TACTILE (5) | |
| R121 | 1-249-411-11 | CARBON | 330 5% 1/4W | S125 | 1-554-303-21 | SWITCH, TACTILE (8) | |
| R122 | 1-249-411-11 | CARBON | 330 5% 1/4W | S126 | 1-554-303-21 | SWITCH, TACTILE (0) | |
| R123 | 1-249-411-11 | CARBON | 330 5% 1/4W | S128 | 1-554-303-21 | SWITCH, TACTILE (TONE ON/DEFEAT) | |
| R124 | 1-249-411-11 | CARBON | 330 5% 1/4W | S130 | 1-554-303-21 | SWITCH, TACTILE (DPC MODE) | |
| R125 | 1-249-411-11 | CARBON | 330 5% 1/4W | S131 | 1-554-303-21 | SWITCH, TACTILE (1) | |
| R126 | 1-249-411-11 | CARBON | 330 5% 1/4W | S132 | 1-554-303-21 | SWITCH, TACTILE (4) | |
| R127 | 1-249-411-11 | CARBON | 330 5% 1/4W | S133 | 1-554-303-21 | SWITCH, TACTILE (7) | |
| R128 | 1-249-411-11 | CARBON | 330 5% 1/4W | S134 | 1-554-303-21 | SWITCH, TACTILE (DIRECT) | |
| R131 | 1-249-433-11 | CARBON | 22K 5% 1/4W | S137 | 1-554-303-21 | SWITCH, TACTILE (CENTER MODE) | |
| R132 | 1-249-433-11 | CARBON | 22K 5% 1/4W | S138 | 1-554-303-21 | SWITCH, TACTILE (PHONO) | |
| R133 | 1-249-433-11 | CARBON | 22K 5% 1/4W | S139 | 1-554-303-21 | SWITCH, TACTILE (TUNER) | |
| R134 | 1-249-433-11 | CARBON | 22K 5% 1/4W | S140 | 1-554-303-21 | SWITCH, TACTILE (CD) | |
| R135 | 1-249-433-11 | CARBON | 22K 5% 1/4W | S141 | 1-554-303-21 | SWITCH, TACTILE (DAT/MD) | |
| R136 | 1-249-433-11 | CARBON | 22K 5% 1/4W | S142 | 1-554-303-21 | SWITCH, TACTILE (VIDEO 3) | |
| R137 | 1-249-433-11 | CARBON | 22K 5% 1/4W | S144 | 1-554-303-21 | SWITCH, TACTILE (SOUND FIELD MODE) | |
| R138 | 1-249-433-11 | CARBON | 22K 5% 1/4W | S145 | 1-554-303-21 | SWITCH, TACTILE (VIDEO 1) | |
| R139 | 1-249-437-11 | CARBON | 47K 5% 1/4W | S146 | 1-554-303-21 | SWITCH, TACTILE (VIDEO 2) | |
| R140 | 1-249-437-11 | CARBON | 47K 5% 1/4W | S147 | 1-554-303-21 | SWITCH, TACTILE (LD) | |
| R141 | 1-249-437-11 | CARBON | 47K 5% 1/4W | S148 | 1-554-303-21 | SWITCH, TACTILE (TV) | |
| R146 | 1-249-437-11 | CARBON | 47K 5% 1/4W | S149 | 1-554-303-21 | SWITCH, TACTILE (TAPE MONITOR) | |
| R149 | 1-249-410-11 | CARBON | 270 5% 1/4W F (E) | ***** | | | |
| △R151 | 1-249-394-11 | CARBON | 12 5% 1/4W F | * | 1-652-984-11 | INPUT JOINT BOARD | |
| △R152 | 1-249-394-11 | CARBON | 12 5% 1/4W F | | | ***** | |
| R160 | 1-249-417-11 | CARBON | 1K 5% 1/4W F | < CONNECTOR > | | | |
| R161 | 1-249-417-11 | CARBON | 1K 5% 1/4W F | * | CNP232 | 1-564-518-11 | PLUG, CONNECTOR 3P |
| R162 | 1-249-417-11 | CARBON | 1K 5% 1/4W F | | CNP521 | 1-695-087-11 | PIN, CONNECTOR (PC BOARD) 7P |
| R163 | 1-249-417-11 | CARBON | 1K 5% 1/4W F | | CNS241 | 1-695-094-11 | SOCKET, CONNECTOR 11P |
| < SWITCH > | | | | ***** | | | |
| S102 | 1-554-303-21 | SWITCH, TACTILE (MEMORY) | | * | A-4371-333-A | MAIN AMPLIFIER BOARD, COMPLETE (US, E) | |
| S103 | 1-554-303-21 | SWITCH, TACTILE (DISPLAY) | | | | ***** | |
| S104 | 1-554-303-21 | SWITCH, TACTILE (LEVEL) | | * | A-4371-334-A | MAIN AMPLIFIER BOARD, COMPLETE (CND) | |
| S105 | 1-554-303-21 | SWITCH, TACTILE (FM/AM) | | | | ***** | |
| S106 | 1-554-303-21 | SWITCH, TACTILE (INDEX SELECT/TUNING -) | | * | 3-309-144-21 | HEAT SINK | |
| S107 | 1-554-303-21 | SWITCH, TACTILE (INDEX SELECT/TUNING +) | | * | 4-880-403-11 | HEAT SINK | |
| S108 | 1-554-303-21 | SWITCH, TACTILE (PRESET TUNING -) | | * | 4-931-903-01 | HEAT SINK (DI) | |
| S109 | 1-554-303-21 | SWITCH, TACTILE (PRESET TUNING +) | | * | 4-942-204-01 | PLATE, GROUND | |
| S110 | 1-554-303-21 | SWITCH, TACTILE (SOUND FIELD ON/OFF) | | * | 4-969-002-01 | SPACER (DIA. 29) | |
| S112 | 1-554-303-21 | SWITCH, TACTILE (FM MODE) | | | | | |

| | |
|---|---|
| <p>The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.</p> | <p>Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.</p> |
|---|---|

MAIN AMPLIFIER

| Ref.No. | Part No. | Description | Remark | Ref.No. | Part No. | Description | Remark |
|---------|--------------|---------------------|-----------------|----------|--------------|------------------------------------|---------------|
| | 7-682-548-04 | SCREW +BVTT 3X8 (S) | | | | | |
| | | < CAPACITOR > | | | | | |
| C651 | 1-124-927-11 | ELECT | 4.7uF 20% 100V | C981 | 1-124-907-11 | ELECT | 10uF 20% 50V |
| C652 | 1-164-079-11 | CERAMIC | 330PF 10% 50V | C982 | 1-124-907-11 | ELECT | 10uF 20% 50V |
| C653 | 1-102-989-00 | CERAMIC | 68PF 5% 500V | C988 | 1-106-220-00 | MYLAR | 0.1uF 5% 100V |
| C654 | 1-102-989-00 | CERAMIC | 68PF 5% 500V | C989 | 1-106-220-00 | MYLAR | 0.1uF 5% 100V |
| C656 | 1-124-443-00 | ELECT | 100uF 20% 10V | C990 | 1-124-910-11 | ELECT | 47uF 20% 50V |
| | | | | C991 | 1-124-910-11 | ELECT | 47uF 20% 50V |
| | | | | | | < CONNECTOR > | |
| C657 | 1-164-040-11 | CERAMIC | 4PF 0.25PF 50V | CNP601 | 1-564-320-00 | PIN, CONNECTOR (B2P-VH) 2P | |
| C658 | 1-124-910-11 | ELECT | 47uF 20% 50V | CNP603 | 1-691-770-11 | PLUG (MICRO CONNECTOR) 8P | |
| C659 | 1-161-959-00 | CERAMIC | 22PF 10% 500V | CNP613 | 1-691-765-21 | PLUG (MICRO CONNECTOR) 3P | |
| C660 | 1-161-959-00 | CERAMIC | 22PF 10% 500V | CNP701 | 1-691-767-11 | PLUG (MICRO CONNECTOR) 5P | |
| C665 | 1-161-959-00 | CERAMIC | 22PF 10% 500V | * CNP702 | 1-564-242-00 | PIN, CONNECTOR 5P | |
| C666 | 1-161-959-00 | CERAMIC | 22PF 10% 500V | CNP910 | 1-691-768-11 | PLUG (MICRO CONNECTOR) 6P | |
| C701 | 1-124-927-11 | ELECT | 4.7uF 20% 100V | * CNP951 | 1-564-242-00 | PIN, CONNECTOR 5P | |
| C702 | 1-164-079-11 | CERAMIC | 330PF 10% 50V | CNP954 | 1-750-180-11 | PIN, CONNECTOR (PC BOARD) 5P | |
| C703 | 1-102-989-00 | CERAMIC | 68PF 5% 500V | CNS110 | 1-764-918-11 | CONNECTOR, FFC (LIF (NON-ZIF)) 13P | |
| C704 | 1-161-959-00 | CERAMIC | 22PF 10% 500V | | | < DIODE > | |
| C705 | 1-124-929-11 | ELECT | 22uF 20% 100V | D652 | 8-719-815-85 | DIODE 1S1585 | |
| C706 | 1-124-443-00 | ELECT | 100uF 20% 10V | D653 | 8-719-815-85 | DIODE 1S1585 | |
| C707 | 1-164-040-11 | CERAMIC | 4PF 0.25PF 50V | D680 | 8-719-987-63 | DIODE 1N4148M | |
| C708 | 1-124-910-11 | ELECT | 47uF 20% 50V | D681 | 8-719-987-63 | DIODE 1N4148M | |
| C709 | 1-161-959-00 | CERAMIC | 22PF 10% 500V | D683 | 8-719-987-63 | DIODE 1N4148M | |
| C710 | 1-161-959-00 | CERAMIC | 22PF 10% 500V | D684 | 8-719-987-63 | DIODE 1N4148M | |
| C713 | 1-130-487-00 | MYLAR | 0.022uF 5% 50V | D703 | 8-719-815-85 | DIODE 1S1585 | |
| C715 | 1-161-959-00 | CERAMIC | 22PF 10% 500V | D704 | 8-719-815-85 | DIODE 1S1585 | |
| C716 | 1-161-959-00 | CERAMIC | 22PF 10% 500V | D705 | 8-719-987-63 | DIODE 1N4148M | |
| C721 | 1-136-169-00 | FILM | 0.22uF 5% 50V | D706 | 8-719-987-63 | DIODE 1N4148M | |
| C722 | 1-124-471-00 | ELECT | 1000uF 20% 6.3V | D753 | 8-719-815-85 | DIODE 1S1585 | |
| C739 | 1-124-929-11 | ELECT | 22uF 20% 100V | D754 | 8-719-815-85 | DIODE 1S1585 | |
| C740 | 1-124-929-11 | ELECT | 22uF 20% 100V | D971 | 8-719-302-38 | DIODE RBV-602-01 | |
| C751 | 1-124-927-11 | ELECT | 4.7uF 20% 100V | D974 | 8-719-002-76 | DIODE UZL-36H | |
| C752 | 1-164-079-11 | CERAMIC | 330PF 10% 50V | | | < IC > | |
| C753 | 1-102-989-00 | CERAMIC | 68PF 5% 500V | IC651 | 8-749-010-16 | IC STK350-130A | |
| C754 | 1-161-959-00 | CERAMIC | 22PF 10% 500V | IC701 | 8-749-921-85 | IC STK-3122-3 | |
| C755 | 1-124-929-11 | ELECT | 22uF 20% 100V | IC971 | 8-759-263-43 | IC TA78M12S | |
| C756 | 1-124-443-00 | ELECT | 100uF 20% 10V | IC972 | 8-759-604-45 | IC M5F79M12L | |
| C757 | 1-164-040-11 | CERAMIC | 4PF 0.25PF 50V | IC973 | 8-759-604-35 | IC M5F78M05L | |
| C758 | 1-124-910-11 | ELECT | 47uF 20% 50V | | | < COIL > | |
| C759 | 1-161-959-00 | CERAMIC | 22PF 10% 500V | L701 | 1-420-872-00 | COIL, AIR-CORE | |
| C760 | 1-161-959-00 | CERAMIC | 22PF 10% 500V | L751 | 1-420-872-00 | COIL, AIR-CORE | |
| C763 | 1-130-487-00 | MYLAR | 0.022uF 5% 50V | | | < TRANSISTOR > | |
| C765 | 1-161-959-00 | CERAMIC | 22PF 10% 500V | Q602 | 8-749-010-43 | IC NE-N250 | |
| C766 | 1-161-959-00 | CERAMIC | 22PF 10% 500V | Q603 | 8-749-010-42 | IC NE-P250 | |
| C971 | 1-125-752-11 | ELECT | 12000uF 20% 71V | Q651 | 8-729-026-08 | TRANSISTOR 2SC4495 | |
| C972 | 1-125-752-11 | ELECT | 12000uF 20% 71V | Q661 | 8-729-140-82 | TRANSISTOR 2SA988-PAFAEA | |
| C977 | 1-124-477-11 | ELECT | 47uF 20% 25V | Q662 | 8-729-140-82 | TRANSISTOR 2SA988-PAFAEA | |
| C978 | 1-124-910-11 | ELECT | 47uF 20% 50V | | | | |
| C979 | 1-124-477-11 | ELECT | 47uF 20% 25V | | | | |
| C980 | 1-124-477-11 | ELECT | 47uF 20% 25V | | | | |

MAIN AMPLIFIER

| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|----------|--------------|------------------------|----------------|----------|--------------|------------------------|--------------------|
| Q701 | 8-729-026-08 | TRANSISTOR | 2SC4495 | R708 | 1-249-411-11 | CARBON | 330 5% 1/4W |
| Q702 | 8-749-010-43 | IC NE-N250 | | △R709 | 1-249-393-11 | CARBON | 10 5% 1/4W F |
| Q703 | 8-749-010-42 | IC NE-P250 | | △R710 | 1-249-393-11 | CARBON | 10 5% 1/4W F |
| Q707 | 8-729-140-82 | TRANSISTOR | 2SA988-PAFAEA | △R711 | 1-249-393-11 | CARBON | 10 5% 1/4W F |
| Q708 | 8-729-140-82 | TRANSISTOR | 2SA988-PAFAEA | △R712 | 1-249-393-11 | CARBON | 10 5% 1/4W F |
| Q719 | 8-729-119-79 | TRANSISTOR | 2SC2785-FEK | △R713 | 1-239-912-11 | ENCAPSULATED COMPONENT | 0.22 2W |
| Q721 | 8-729-184-53 | TRANSISTOR | 2SC1845-EA | △R714 | 1-239-912-11 | ENCAPSULATED COMPONENT | 0.22 2W |
| Q722 | 8-729-119-79 | TRANSISTOR | 2SC2785-FEK | R717 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W F |
| Q723 | 8-729-119-79 | TRANSISTOR | 2SC2785-FEK | R718 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W F |
| Q751 | 8-729-026-08 | TRANSISTOR | 2SC4495 | R719 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W F |
| Q752 | 8-749-010-43 | IC NE-N250 | | R720 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W F |
| Q753 | 8-749-010-42 | IC NE-P250 | | R721 | 1-260-072-11 | CARBON | 4.7 5% 1/2W |
| Q757 | 8-729-140-82 | TRANSISTOR | 2SA988-PAFAEA | R722 | 1-249-431-11 | CARBON | 15K 5% 1/4W |
| Q758 | 8-729-140-82 | TRANSISTOR | 2SA988-PAFAEA | R723 | 1-249-431-11 | CARBON | 15K 5% 1/4W |
| Q971 | 8-729-140-96 | TRANSISTOR | 2SD774-34 | R724 | 1-247-688-11 | CARBON | 10 5% 1/4W F (CND) |
| Q972 | 8-729-119-79 | TRANSISTOR | 2SC2785-FEK | R724 | 1-260-076-11 | CARBON | 10 5% 1/2W (US, E) |
| | | < RESISTOR > | | R725 | 1-249-417-11 | CARBON | 1K 5% 1/4W F |
| R608 | 1-249-431-11 | CARBON | 15K 5% 1/4W | R726 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R617 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W F | R727 | 1-249-439-11 | CARBON | 68K 5% 1/4W |
| R618 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W F | R728 | 1-249-436-11 | CARBON | 39K 5% 1/4W |
| R619 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W F | R729 | 1-249-434-11 | CARBON | 27K 5% 1/4W |
| R620 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W F | R730 | 1-249-433-11 | CARBON | 22K 5% 1/4W |
| R622 | 1-249-431-11 | CARBON | 15K 5% 1/4W | R731 | 1-249-437-11 | CARBON | 47K 5% 1/4W |
| R623 | 1-249-431-11 | CARBON | 15K 5% 1/4W | R732 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W F |
| R651 | 1-249-417-11 | CARBON | 1K 5% 1/4W F | △R739 | 1-249-401-11 | CARBON | 47 5% 1/4W F |
| R652 | 1-249-438-11 | CARBON | 56K 5% 1/4W | △R740 | 1-249-401-11 | CARBON | 47 5% 1/4W F |
| R653 | 1-249-413-11 | CARBON | 470 5% 1/4W F | R744 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W F |
| R655 | 1-249-412-11 | CARBON | 390 5% 1/4W F | R745 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W F |
| R656 | 1-249-438-11 | CARBON | 56K 5% 1/4W | △R747 | 1-249-415-11 | CARBON | 680 5% 1/4W F |
| R657 | 1-247-830-11 | CARBON | 910 5% 1/4W | △R748 | 1-249-415-11 | CARBON | 680 5% 1/4W F |
| R658 | 1-249-411-11 | CARBON | 330 5% 1/4W | R751 | 1-249-417-11 | CARBON | 1K 5% 1/4W F |
| △R659 | 1-249-393-11 | CARBON | 10 5% 1/4W F | R752 | 1-249-438-11 | CARBON | 56K 5% 1/4W |
| △R660 | 1-249-393-11 | CARBON | 10 5% 1/4W F | R753 | 1-249-413-11 | CARBON | 470 5% 1/4W F |
| △R661 | 1-249-393-11 | CARBON | 10 5% 1/4W F | △R754 | 1-249-397-11 | CARBON | 22 5% 1/4W F |
| △R662 | 1-249-393-11 | CARBON | 10 5% 1/4W F | R755 | 1-249-412-11 | CARBON | 390 5% 1/4W F |
| △R663 | 1-239-912-11 | ENCAPSULATED COMPONENT | 0.22 2W | R756 | 1-249-438-11 | CARBON | 56K 5% 1/4W |
| △R664 | 1-239-912-11 | ENCAPSULATED COMPONENT | 0.22 2W | R757 | 1-247-830-11 | CARBON | 910 5% 1/4W |
| R678 | 1-249-433-11 | CARBON | 22K 5% 1/4W | R758 | 1-249-411-11 | CARBON | 330 5% 1/4W |
| R680 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W F | △R759 | 1-249-393-11 | CARBON | 10 5% 1/4W F |
| R681 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W F | △R760 | 1-249-393-11 | CARBON | 10 5% 1/4W F |
| R698 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W F | △R761 | 1-249-393-11 | CARBON | 10 5% 1/4W F |
| R699 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W F | △R762 | 1-249-393-11 | CARBON | 10 5% 1/4W F |
| R701 | 1-249-417-11 | CARBON | 1K 5% 1/4W F | △R763 | 1-239-912-11 | ENCAPSULATED COMPONENT | 0.22 2W |
| R702 | 1-249-438-11 | CARBON | 56K 5% 1/4W | △R764 | 1-239-912-11 | ENCAPSULATED COMPONENT | 0.22 2W |
| R703 | 1-249-413-11 | CARBON | 470 5% 1/4W F | R767 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W F |
| △R704 | 1-249-397-11 | CARBON | 22 5% 1/4W F | R768 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W F |
| R705 | 1-249-412-11 | CARBON | 390 5% 1/4W F | R769 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W F |
| R706 | 1-249-438-11 | CARBON | 56K 5% 1/4W | R770 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W F |
| R707 | 1-247-830-11 | CARBON | 910 5% 1/4W | R771 | 1-260-072-11 | CARBON | 4.7 5% 1/2W |
| | | | | R772 | 1-249-431-11 | CARBON | 15K 5% 1/4W |

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

Les composants identifiés par une marque △ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

MAIN AMPLIFIER

MUTING SWITCH

POWER SUPPLY

| Ref. No. | Part No. | Description | Remark |
|---------------|--------------|--|---------|
| R773 | 1-249-431-11 | CARBON 15K 5% 1/4W | |
| R774 | 1-247-688-11 | CARBON 10 5% 1/4W | F (CND) |
| R774 | 1-260-076-11 | CARBON 10 5% 1/2W | (US, E) |
| R794 | 1-249-421-11 | CARBON 2.2K 5% 1/4W | F |
| R795 | 1-249-421-11 | CARBON 2.2K 5% 1/4W | F |
| △R971 | 1-215-910-00 | METAL OXIDE 68 5% 3W | F |
| △R972 | 1-215-909-11 | METAL OXIDE 47 5% 3W | F |
| △R973 | 1-215-911-11 | METAL 100 5% 3W | F |
| △R974 | 1-215-910-00 | METAL OXIDE 68 5% 3W | F |
| △R975 | 1-249-409-11 | CARBON 220 5% 1/4W | F |
| R976 | 1-249-426-11 | CARBON 5.6K 5% 1/4W | |
| R977 | 1-249-421-11 | CARBON 2.2K 5% 1/4W | F |
| < RELAY > | | | |
| RY701 | 1-515-741-21 | RELAY | |
| ***** | | | |
| * | 1-652-986-11 | MUTING SWITCH BOARD | ***** |
| < CONNECTOR > | | | |
| * CNJ101 | 1-565-482-11 | CONNECTOR, BOARD TO BOARD 6P | |
| < DIODE > | | | |
| D109 | 8-719-301-49 | LED SEL2810A (-20dB) | |
| D110 | 8-719-301-49 | LED SEL2810A (LOW BOOST) | |
| < RESISTOR > | | | |
| R106 | 1-249-410-11 | CARBON 270 5% 1/4W | F |
| R110 | 1-249-410-11 | CARBON 270 5% 1/4W | F |
| < SWITCH > | | | |
| S113 | 1-554-303-21 | SWITCH, TACTILE (MUTING) | |
| S120 | 1-554-303-21 | SWITCH, TACTILE (LOW BOOST) | |
| ***** | | | |
| * | A-4371-310-A | POWER SUPPLY BOARD, COMPLETE (US, CND) | ***** |
| * | A-4371-328-A | POWER SUPPLY BOARD, COMPLETE (E) | ***** |
| | 1-533-293-11 | FUSE HOLDER | |
| < CAPACITOR > | | | |
| C950 | 1-124-557-11 | ELECT 1000uF 20% | 25V |
| C951 | 1-164-097-11 | CERAMIC 0.022uF | 50V |
| C952 | 1-164-097-11 | CERAMIC 0.022uF | 50V |
| C953 | 1-164-073-11 | CERAMIC 100PF | 10% 50V |
| C954 | 1-124-477-11 | ELECT 47uF | 20% 25V |

| Ref. No. | Part No. | Description | Remark |
|----------------|--------------|--------------------------------------|----------------|
| C955 | 1-124-477-11 | ELECT 47uF | 20% 25V |
| C959 | 1-124-464-11 | ELECT 0.22uF | 20% 50V |
| C960 | 1-124-903-11 | ELECT 1uF | 20% 50V |
| C961 | 1-161-494-00 | CERAMIC 0.022uF | 25V |
| C962 | 1-161-494-00 | CERAMIC 0.022uF | 25V |
| < CONNECTOR > | | | |
| CNP901 | 1-564-321-00 | PIN, CONNECTOR 2P | |
| * CNP902 | 1-565-792-11 | PIN, CONNECTOR 2P | |
| CNP903 | 1-568-106-11 | PIN, CONNECTOR 4P (E) | |
| CNP904 | 1-691-771-11 | PLUG (MICRO CONNECTOR) 9P | |
| △CNS901 | 1-540-060-11 | OUTLET, AC (POLAR) (AC OUTLET) | |
| < DIODE > | | | |
| D951 | 8-719-987-63 | DIODE 1N4148M | |
| D952 | 8-719-987-63 | DIODE 1N4148M | |
| D953 | 8-719-987-63 | DIODE 1N4148M | |
| D954 | 8-719-024-99 | DIODE 11ES2-NTA2B | |
| D955 | 8-719-024-99 | DIODE 11ES2-NTA2B | |
| D956 | 8-719-024-99 | DIODE 11ES2-NTA2B | |
| D957 | 8-719-024-99 | DIODE 11ES2-NTA2B | |
| D958 | 8-719-933-41 | DIODE HZS6C3L | |
| D959 | 8-719-985-53 | DIODE HZS4ALL | |
| D961 | 8-719-933-41 | DIODE HZS6C3L | |
| < FUSE > | | | |
| △F902 | 1-532-350-00 | TIME LAG FUSE (T4AL 250V) (E) | |
| △F902 | 1-532-749-11 | FUSE, GLASS TUBE (8A 125V) (US, CND) | |
| △F904 | 1-532-350-00 | TIME LAG FUSE (T4AL 250V) (E) | |
| < TRANSISTOR > | | | |
| Q952 | 8-729-119-79 | TRANSISTOR 2SC2785-FEK | |
| Q953 | 8-729-209-15 | TRANSISTOR 2SD2012 | |
| Q954 | 8-729-119-79 | TRANSISTOR 2SC2785-FEK | |
| Q955 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| Q956 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| Q958 | 8-729-119-79 | TRANSISTOR 2SC2785-FEK | |
| < RESISTOR > | | | |
| △R901 | 1-202-725-00 | SOLID 3.3M 10% | 1/2W (US, CND) |
| R951 | 1-249-396-11 | CARBON 18 5% | 1/4W F |
| R952 | 1-249-417-11 | CARBON 1K 5% | 1/4W F |
| R954 | 1-249-433-11 | CARBON 22K 5% | 1/4W |
| R955 | 1-249-437-11 | CARBON 47K 5% | 1/4W |
| R956 | 1-249-425-11 | CARBON 4.7K 5% | 1/4W F |
| R957 | 1-249-429-11 | CARBON 10K 5% | 1/4W |
| R958 | 1-249-417-11 | CARBON 1K 5% | 1/4W F |
| R959 | 1-249-429-11 | CARBON 10K 5% | 1/4W |
| R960 | 1-249-429-11 | CARBON 10K 5% | 1/4W |
| R962 | 1-249-426-11 | CARBON 5.6K 5% | 1/4W |
| R963 | 1-249-417-11 | CARBON 1K 5% | 1/4W F |

| | |
|---|---|
| <p>The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.</p> | <p>Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.</p> |
|---|---|

POWER SUPPLY

POWER SWITCH

REAR AMPLIFIER (S)

SP. TERMINAL

| Ref.No. | Part No. | Description | Remark | Ref.No. | Part No. | Description | Remark |
|---------|--------------|--|--------|----------|--------------|---|--------|
| R964 | 1-249-426-11 | CARBON 5.6K 5% 1/4W | | * | A-4371-336-A | SP. TERMINAL BOARD, COMPLETE ***** (INCLUDING SPEAKER (F) BOARD, SPEAKER JOINT BOARD, SPEAKER (C) BOARD) | |
| | | < RELAY > | | | | < CAPACITOR > | |
| △RY901 | 1-515-701-11 | RELAY (US, CND) | | C605 | 1-136-157-00 | FILM 0.022uF 5% 50V | |
| △RY901 | 1-515-701-21 | RELAY (E) | | C663 | 1-136-157-00 | FILM 0.022uF 5% 50V | |
| | | < TRANSFORMER > | | C963 | 1-124-618-11 | ELECT 2200uF 20% 35V | |
| △T901 | 1-450-358-11 | TRANSFORMER, POWER (E) | | C965 | 1-126-413-11 | ELECT 3300uF 20% 35V | |
| △T901 | 1-450-361-11 | TRANSFORMER, POWER (US, CND) | | C996 | 1-164-097-11 | CERAMIC 0.022uF 50V | |
| | | < SWITCH > | | C997 | 1-164-097-11 | CERAMIC 0.022uF 50V | |
| △VS901 | 1-571-437-11 | SWITCH, POWER VOLTAGE CHANGE (VOLTAGE SELECT) (E) | | | | < CONNECTOR > | |
| ***** | | | | CNP652 | 1-564-320-00 | PIN, CONNECTOR (B2P-VH) 2P | |
| * | 1-652-978-11 | POWER SWITCH BOARD ***** | | CNP653 | 1-691-770-11 | PLUG (MICRO CONNECTOR) 8P | |
| | | < SWITCH > | | * CNP705 | 1-564-674-11 | PIN, CONNECTOR 8P | |
| S101 | 1-554-303-21 | SWITCH, TACTILE (POWER ON/STANDBY) | | * CNP952 | 1-564-104-00 | PIN, CONNECTOR (B3P-VH) 3P | |
| ***** | | | | | | < DIODE > | |
| * | 1-653-001-11 | REAR AMPLIFIER (S) BOARD ***** | | D601 | 8-719-987-63 | DIODE 1N4148M | |
| | | < CAPACITOR > | | D641 | 8-719-987-63 | DIODE 1N4148M | |
| C621 | 1-124-927-11 | ELECT 4.7uF 20% 100V | | D645 | 8-719-987-63 | DIODE 1N4148M | |
| C622 | 1-164-073-11 | CERAMIC 100PF 10% 50V | | D970 | 8-719-312-09 | DIODE RBA-402 | |
| C623 | 1-164-073-11 | CERAMIC 100PF 10% 50V | | | | < COIL > | |
| C624 | 1-124-925-11 | ELECT 2.2uF 20% 100V | | L601 | 1-420-872-00 | COIL, AIR-CORE | |
| C698 | 1-124-929-11 | ELECT 22uF 20% 100V | | L651 | 1-420-872-00 | COIL, AIR-CORE | |
| C699 | 1-124-929-11 | ELECT 22uF 20% 100V | | | | < TRANSISTOR > | |
| | | < CONNECTOR > | | Q614 | 8-729-119-79 | TRANSISTOR 2SC2785-FEK | |
| CNP610 | 1-691-765-11 | PLUG (MICRO CONNECTOR) 3P | | Q643 | 8-729-119-79 | TRANSISTOR 2SC2785-FEK | |
| CNP620 | 1-691-765-21 | PLUG (MICRO CONNECTOR) 3P | | | | < RESISTOR > | |
| | | < IC > | | △R605 | 1-249-389-11 | CARBON 4.7 5% 1/4W F | |
| IC631 | 8-759-295-87 | IC SI-18752-LM | | △R606 | 1-249-393-11 | CARBON 10 5% 1/4W F | |
| | | < RESISTOR > | | R621 | 1-260-072-11 | CARBON 4.7 5% 1/2W | |
| R631 | 1-249-409-11 | CARBON 220 5% 1/4W F | | △R624 | 1-249-393-11 | CARBON 10 5% 1/4W F | |
| R632 | 1-249-441-11 | CARBON 100K 5% 1/4W | | △R691 | 1-249-415-11 | CARBON 680 5% 1/4W F | |
| R633 | 1-247-830-11 | CARBON 910 5% 1/4W | | △R692 | 1-249-415-11 | CARBON 680 5% 1/4W F | |
| R634 | 1-249-439-11 | CARBON 68K 5% 1/4W | | △R693 | 1-249-416-11 | CARBON 820 5% 1/4W F | |
| | | < RELAY > | | △R694 | 1-249-416-11 | CARBON 820 5% 1/4W F | |
| ***** | | | | | | < SWITCH > | |
| | | < SWITCH > | | RY641 | 1-515-765-11 | RELAY | |
| | | < SWITCH > | | RY643 | 1-515-741-21 | RELAY | |
| | | < SWITCH > | | | | < SWITCH > | |
| | | < SWITCH > | | S721 | 1-692-196-11 | SWITCH, SLIDE (IMPEDANCE SELECT) | |

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| The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified. | Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié. |
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SP. TERMINAL

SPEAKER SELECTOR

SURROUND

| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|----------------|---|---|--------|----------|--------------|------------------------|--------|
| | | < TERMINAL > | | | | | |
| TM601 | 1-537-754-11 | TERMINAL BOARD (6P) (REAR/CENTER SPEAKERS) | | C308 | 1-124-907-11 | ELECT 10uF 20% 50V | |
| * TM701 | 1-537-519-11 | TERMINAL BOARD (SP) (FRONT SPEAKERS) | | C309 | 1-162-286-31 | CERAMIC 220PF 10% 50V | |
| ***** | | | | C310 | 1-124-927-11 | ELECT 4.7uF 20% 100V | |
| * 1-652-980-11 | SPEAKER SELECTOR BOARD ***** | | | C311 | 1-124-925-11 | ELECT 2.2uF 20% 100V | |
| | | < CAPACITOR > | | C312 | 1-161-379-00 | CERAMIC 0.01uF 20% 25V | |
| C799 | 1-164-159-11 | CERAMIC 0.1uF | 50V | C315 | 1-136-159-00 | FILM 0.033uF 5% 50V | |
| | | < CONNECTOR > | | C316 | 1-124-907-11 | ELECT 10uF 20% 50V | |
| * CNP703 | 1-564-242-00 | PIN, CONNECTOR 5P | | C317 | 1-124-120-11 | ELECT 220uF 20% 25V | |
| * CNP704 | 1-564-674-11 | PIN, CONNECTOR 8P | | C318 | 1-130-469-00 | MYLAR 680PF 5% 50V | |
| | | < JACK > | | C320 | 1-164-159-11 | CERAMIC 0.1uF 50V | |
| J700 | 1-750-162-41 | JACK (LARGE TYPE) (HEADPHONES) | | C321 | 1-164-159-11 | CERAMIC 0.1uF 50V | |
| | | < RESISTOR > | | C322 | 1-124-927-11 | ELECT 4.7uF 20% 100V | |
| △R746 | 1-215-869-11 | METAL OXIDE 1K 5% 1W F | | C323 | 1-136-173-00 | FILM 0.47uF 5% 50V | |
| △R796 | 1-215-869-11 | METAL OXIDE 1K 5% 1W F | | C324 | 1-124-910-11 | ELECT 47uF 20% 50V | |
| | | < SWITCH > | | C325 | 1-136-165-00 | FILM 0.1uF 5% 50V | |
| S701 | 1-572-911-11 | SWITCH, ROTARY SLIDE (SPEAKERS) | | C326 | 1-136-165-00 | FILM 0.1uF 5% 50V | |
| ***** | | | | C327 | 1-124-902-00 | ELECT 0.47uF 20% 50V | |
| * A-4371-330-A | SURROUND BOARD, COMPLETE (US, CND) ***** | | | C328 | 1-124-927-11 | ELECT 4.7uF 20% 100V | |
| * A-4371-331-A | SURROUND BOARD, COMPLETE (E) ***** | | | C329 | 1-124-902-00 | ELECT 0.47uF 20% 50V | |
| | | < CAPACITOR > | | C330 | 1-124-927-11 | ELECT 4.7uF 20% 100V | |
| C201 | 1-161-379-00 | CERAMIC 0.01uF 20% 25V | | C331 | 1-124-250-00 | ELECT 0.15uF 20% 50V | |
| C202 | 1-124-477-11 | ELECT 47uF 20% 25V | | C332 | 1-126-962-11 | ELECT 3.3uF 20% 50V | |
| C203 | 1-161-379-00 | CERAMIC 0.01uF 20% 25V | | C333 | 1-124-250-00 | ELECT 0.15uF 20% 50V | |
| C204 | 1-124-903-11 | ELECT 1uF 20% 50V | | C334 | 1-136-157-00 | FILM 0.022uF 5% 50V | |
| C206 | 1-104-905-11 | CAP, DOUBLE LAYERS 0.22F | | C335 | 1-136-161-00 | MYLAR 0.0047uF 5% 50V | |
| C207 | 1-161-379-00 | CERAMIC 0.01uF 20% 25V | | C336 | 1-124-120-11 | ELECT 220uF 20% 25V | |
| C208 | 1-124-925-11 | ELECT 2.2uF 20% 100V | | C337 | 1-124-907-11 | ELECT 10uF 20% 50V | |
| C209 | 1-161-379-00 | CERAMIC 0.01uF 20% 25V | | C338 | 1-124-907-11 | ELECT 10uF 20% 50V | |
| C299 | 1-161-379-00 | CERAMIC 0.01uF 20% 25V | | C339 | 1-124-907-11 | ELECT 10uF 20% 50V | |
| C302 | 1-124-120-11 | ELECT 220uF 20% 25V | | C340 | 1-124-907-11 | ELECT 10uF 20% 50V | |
| C303 | 1-136-159-00 | FILM 0.033uF 5% 50V | | C341 | 1-124-120-11 | ELECT 220uF 20% 25V | |
| C304 | 1-130-473-00 | MYLAR 0.0015uF 5% 50V | | C342 | 1-126-962-11 | ELECT 3.3uF 20% 50V | |
| C305 | 1-136-159-00 | FILM 0.033uF 5% 50V | | C343 | 1-126-962-11 | ELECT 3.3uF 20% 50V | |
| C306 | 1-124-903-11 | ELECT 1uF 20% 50V | | C344 | 1-136-165-00 | FILM 0.1uF 5% 50V | |
| C307 | 1-124-907-11 | ELECT 10uF 20% 50V | | C345 | 1-136-165-00 | FILM 0.1uF 5% 50V | |
| | | | | C346 | 1-124-902-00 | ELECT 0.47uF 20% 50V | |
| | | | | C347 | 1-124-927-11 | ELECT 4.7uF 20% 100V | |
| | | | | C348 | 1-124-902-00 | ELECT 0.47uF 20% 50V | |
| | | | | C349 | 1-124-927-11 | ELECT 4.7uF 20% 100V | |
| | | | | C350 | 1-124-250-00 | ELECT 0.15uF 20% 50V | |
| | | | | C351 | 1-126-962-11 | ELECT 3.3uF 20% 50V | |
| | | | | C352 | 1-124-250-00 | ELECT 0.15uF 20% 50V | |
| | | | | C355 | 1-164-159-11 | CERAMIC 0.1uF 50V | |
| | | | | C356 | 1-164-159-11 | CERAMIC 0.1uF 50V | |
| | | | | C358 | 1-161-379-00 | CERAMIC 0.01uF 20% 25V | |
| | | | | C359 | 1-124-927-11 | ELECT 4.7uF 20% 100V | |
| | | | | C360 | 1-124-927-11 | ELECT 4.7uF 20% 100V | |
| | | | | C401 | 1-164-159-11 | CERAMIC 0.1uF 50V | |
| | | | | C404 | 1-136-171-00 | FILM 0.33uF 5% 50V | |
| | | | | C405 | 1-136-159-00 | FILM 0.033uF 5% 50V | |

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SURROUND

| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|--------------------|--------------|--|-----------------|----------------|--------------|------------------------|--------|
| C404 | 1-136-171-00 | FILM | 0.33uF 5% 50V | IC202 | 8-759-264-78 | IC uPD75518GF-195-3B9 | |
| C405 | 1-136-159-00 | FILM | 0.033uF 5% 50V | IC300 | 8-759-168-98 | IC LV1010N | |
| C406 | 1-124-927-11 | ELECT | 4.7uF 20% 100V | IC301 | 8-759-248-74 | IC LA2785 | |
| C407 | 1-162-209-31 | CERAMIC | 27PF 5% 50V | IC302 | 8-759-634-51 | IC M5218AP | |
| C408 | 1-124-477-11 | ELECT | 47uF 20% 25V | IC401 | 8-759-072-32 | IC TC9184P | |
| C409 | 1-164-159-11 | CERAMIC | 0.1uF 50V | IC402 | 8-759-634-51 | IC M5218AP | |
| C410 | 1-124-477-11 | ELECT | 47uF 20% 25V | < COIL > | | | |
| C411 | 1-136-154-00 | FILM | 0.012uF 5% 50V | L201 | 1-410-521-11 | INDUCTOR 100uH | |
| C412 | 1-136-163-00 | FILM | 0.068uF 5% 50V | L301 | 1-410-521-11 | INDUCTOR 100uH | |
| C413 | 1-130-476-00 | MYLAR | 0.0027uF 5% 50V | L302 | 1-410-521-11 | INDUCTOR 100uH | |
| C414 | 1-124-907-11 | ELECT | 10uF 20% 50V | < TRANSISTOR > | | | |
| C415 | 1-136-157-00 | FILM | 0.022uF 5% 50V | Q201 | 8-729-900-63 | TRANSISTOR DTA124ES | |
| C416 | 1-124-927-11 | ELECT | 4.7uF 20% 100V | Q202 | 8-729-119-79 | TRANSISTOR 2SC2785-FEK | |
| C454 | 1-136-171-00 | FILM | 0.33uF 5% 50V | Q210 | 8-729-900-63 | TRANSISTOR DTA124ES | |
| C455 | 1-136-159-00 | FILM | 0.033uF 5% 50V | Q211 | 8-729-900-63 | TRANSISTOR DTA124ES | |
| C456 | 1-124-927-11 | ELECT | 4.7uF 20% 100V | Q213 | 8-729-900-63 | TRANSISTOR DTA124ES | |
| C457 | 1-162-209-31 | CERAMIC | 27PF 5% 50V | Q305 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK | |
| C458 | 1-124-477-11 | ELECT | 47uF 20% 25V | Q306 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK | |
| C459 | 1-164-159-11 | CERAMIC | 0.1uF 50V | Q307 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK | |
| C460 | 1-124-477-11 | ELECT | 47uF 20% 25V | Q308 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK | |
| C461 | 1-136-154-00 | FILM | 0.012uF 5% 50V | Q401 | 8-729-202-67 | TRANSISTOR 2SK246-GR3 | |
| C462 | 1-136-163-00 | FILM | 0.068uF 5% 50V | Q402 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK | |
| C463 | 1-130-476-00 | MYLAR | 0.0027uF 5% 50V | Q403 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK | |
| C464 | 1-124-907-11 | ELECT | 10uF 20% 50V | Q451 | 8-729-202-67 | TRANSISTOR 2SK246-GR3 | |
| C465 | 1-136-157-00 | FILM | 0.022uF 5% 50V | Q452 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK | |
| C821 | 1-124-120-11 | ELECT | 220uF 20% 25V | Q453 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK | |
| C822 | 1-124-477-11 | ELECT | 47uF 20% 25V | Q808 | 8-729-180-92 | TRANSISTOR 2SD809-K | |
| < CERAMIC FILTER > | | | | < RESISTOR > | | | |
| CF201 | 1-567-776-41 | VIBRATOR, CERAMIC (6MHz) | | R201 | 1-249-437-11 | CARBON 47K 5% 1/4W | |
| < CONNECTOR > | | | | R202 | 1-249-437-11 | CARBON 47K 5% 1/4W | |
| CNP201 | 1-695-088-11 | PIN, CONNECTOR (PC BOARD) 9P | | R203 | 1-247-807-31 | CARBON 100 5% 1/4W | |
| CNP202 | 1-695-088-11 | PIN, CONNECTOR (PC BOARD) 9P | | R204 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| * CNP203 | 1-764-210-11 | CONNECTOR, BOARD TO BOARD 12P | | R205 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| CNS201 | 1-764-932-11 | CONNECTOR, FFC (LIF (NON-ZIF)) 27P | | R206 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| < DIODE > | | | | R207 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| D202 | 8-719-987-63 | DIODE 1N4148M | | R208 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| D204 | 8-719-987-63 | DIODE 1N4148M | | R209 | 1-249-425-11 | CARBON 4.7K 5% 1/4W F | |
| D205 | 8-719-987-63 | DIODE 1N4148M | | R210 | 1-249-437-11 | CARBON 47K 5% 1/4W | |
| D542 | 8-719-987-63 | DIODE 1N4148M | | R211 | 1-249-421-11 | CARBON 2.2K 5% 1/4W F | |
| D817 | 8-719-001-30 | DIODE UZL-9H3 | | R212 | 1-249-437-11 | CARBON 47K 5% 1/4W | |
| < FRONTEND > | | | | R213 | 1-249-423-11 | CARBON 3.3K 5% 1/4W F | |
| FE201 | 1-239-611-21 | ENCAPSULATED COMPONENT (E) | | R214 | 1-249-433-11 | CARBON 22K 5% 1/4W | |
| FE201 | 1-239-727-21 | ENCAPSULATED COMPONENT (FCC) (US, CND) | | R215 | 1-249-425-11 | CARBON 4.7K 5% 1/4W F | |
| < IC > | | | | R216 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| IC201 | 8-759-820-62 | IC LB1639 | | R217 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| | | | | R218 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| | | | | R219 | 1-249-429-11 | CARBON 10K 5% 1/4W | |

SURROUND

SURROUND JOINT

| Ref. No. | Part No. | Description | Remark |
|----------|--------------|-------------|----------------|
| R220 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R221 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R222 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R230 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W F |
| R231 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W F |
| R232 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W F |
| R233 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W F |
| R234 | 1-249-417-11 | CARBON | 1K 5% 1/4W F |
| R235 | 1-249-417-11 | CARBON | 1K 5% 1/4W F |
| R244 | 1-249-437-11 | CARBON | 47K 5% 1/4W |
| R245 | 1-249-437-11 | CARBON | 47K 5% 1/4W |
| R247 | 1-249-437-11 | CARBON | 47K 5% 1/4W |
| R250 | 1-249-413-11 | CARBON | 470 5% 1/4W F |
| R300 | 1-247-903-00 | CARBON | 1M 5% 1/4W |
| R301 | 1-249-413-11 | CARBON | 470 5% 1/4W F |
| R302 | 1-249-431-11 | CARBON | 15K 5% 1/4W |
| R306 | 1-249-433-11 | CARBON | 22K 5% 1/4W |
| R307 | 1-249-436-11 | CARBON | 39K 5% 1/4W |
| R350 | 1-249-413-11 | CARBON | 470 5% 1/4W F |
| R353 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W F |
| R354 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W F |
| R355 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W F |
| R356 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W F |
| R357 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R358 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R359 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R360 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R361 | 1-249-433-11 | CARBON | 22K 5% 1/4W |
| R362 | 1-249-432-11 | CARBON | 18K 5% 1/4W |
| R378 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R379 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R398 | 1-249-417-11 | CARBON | 1K 5% 1/4W F |
| R401 | 1-247-903-00 | CARBON | 1M 5% 1/4W |
| R402 | 1-249-433-11 | CARBON | 22K 5% 1/4W |
| R403 | 1-249-431-11 | CARBON | 15K 5% 1/4W |
| R404 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R405 | 1-249-423-11 | CARBON | 3.3K 5% 1/4W F |
| R406 | 1-247-883-00 | CARBON | 150K 5% 1/4W |
| R407 | 1-249-412-11 | CARBON | 390 5% 1/4W F |
| R408 | 1-249-427-11 | CARBON | 6.8K 5% 1/4W F |
| R409 | 1-249-427-11 | CARBON | 6.8K 5% 1/4W F |
| R410 | 1-249-440-11 | CARBON | 82K 5% 1/4W |
| R411 | 1-247-895-00 | CARBON | 470K 5% 1/4W |
| R412 | 1-249-419-11 | CARBON | 1.5K 5% 1/4W F |
| R413 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W F |
| R414 | 1-247-897-11 | CARBON | 560K 5% 1/4W |
| R415 | 1-249-436-11 | CARBON | 39K 5% 1/4W |
| R416 | 1-249-434-11 | CARBON | 27K 5% 1/4W |
| R417 | 1-249-426-11 | CARBON | 5.6K 5% 1/4W |
| R418 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W F |

| Ref. No. | Part No. | Description | Remark |
|---------------|--------------|---------------------------|----------------|
| R419 | 1-249-417-11 | CARBON | 1K 5% 1/4W F |
| R420 | 1-247-807-31 | CARBON | 100 5% 1/4W |
| R421 | 1-249-417-11 | CARBON | 1K 5% 1/4W F |
| R426 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W F |
| R427 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R452 | 1-249-433-11 | CARBON | 22K 5% 1/4W |
| R453 | 1-249-431-11 | CARBON | 15K 5% 1/4W |
| R454 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R455 | 1-249-423-11 | CARBON | 3.3K 5% 1/4W F |
| R456 | 1-247-883-00 | CARBON | 150K 5% 1/4W |
| R457 | 1-249-412-11 | CARBON | 390 5% 1/4W F |
| R458 | 1-249-427-11 | CARBON | 6.8K 5% 1/4W F |
| R459 | 1-249-427-11 | CARBON | 6.8K 5% 1/4W F |
| R460 | 1-249-440-11 | CARBON | 82K 5% 1/4W |
| R461 | 1-247-895-00 | CARBON | 470K 5% 1/4W |
| R462 | 1-249-419-11 | CARBON | 1.5K 5% 1/4W F |
| R463 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W F |
| R464 | 1-247-897-11 | CARBON | 560K 5% 1/4W |
| R465 | 1-249-436-11 | CARBON | 39K 5% 1/4W |
| R466 | 1-249-434-11 | CARBON | 27K 5% 1/4W |
| R467 | 1-249-426-11 | CARBON | 5.6K 5% 1/4W |
| R468 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W F |
| R469 | 1-249-417-11 | CARBON | 1K 5% 1/4W F |
| R470 | 1-247-807-31 | CARBON | 100 5% 1/4W |
| R476 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W F |
| R477 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R822 | 1-247-811-31 | CARBON | 150 5% 1/4W |
| < TERMINAL > | | | |
| TM201 | 1-537-769-11 | TERMINAL BOARD (ANTENNA) | |
| < VIBRATOR > | | | |
| X301 | 1-579-952-21 | VIBRATOR, CERAMIC (8MHZ) | |
| ***** | | | |
| * | 1-652-985-11 | SURROUND JOINT BOARD | |
| ***** | | | |
| < CONNECTOR > | | | |
| CNP503 | 1-695-088-11 | PIN, CONNECTOR (PC BOARD) | 9P |
| CNP504 | 1-695-088-11 | PIN, CONNECTOR (PC BOARD) | 9P |
| CNS201 | 1-695-093-11 | SOCKET, CONNECTOR | 9P |
| CNS202 | 1-695-093-11 | SOCKET, CONNECTOR | 9P |
| ***** | | | |

TRANSFORMER TERMINAL (1-1)

TRANSFORMER TERMINAL (1-2)

TRANSFORMER TERMINAL (2)

VIDEO

| Ref. No. | Part No. | Description | Remark |
|----------|---------------------|---|--------|
| * | 1-652-998-11 | TRANSFORMER TERMINAL(1-1) BOARD (US, CND) | |
| ***** | | | |
| * | 1-652-999-11 | TRANSFORMER TERMINAL(1-2) BOARD | |
| ***** | | | |
| | 1-532-293-11 | FUSE HOLDER | |
| | | < CONNECTOR > | |
| | CNP971 1-564-506-11 | PLUG, CONNECTOR 3P | |
| * | CNP972 1-564-104-00 | PIN, CONNECTOR (B3P-VH) 3P | |
| | CNP973 1-564-321-00 | PIN, CONNECTOR 2P (US, CND) | |
| | | < DIODE > | |
| | D962 8-719-014-66 | DIODE UZP-5.6B | |
| | | < FUSE > | |
| △ | F951 1-532-299-00 | TIME LAG FUSE (T5AL 250V) (E) | |
| △ | F951 1-576-109-11 | FUSE (5A 125V) (US, CND) | |
| △ | F953 1-532-299-00 | TIME LAG FUSE (T5AL 250V) (E) | |
| △ | F953 1-576-109-11 | FUSE (5A 125V) (US, CND) | |
| ***** | | | |
| * | 1-653-000-11 | TRANSFORMER TERMINAL (2) BOARD | |
| ***** | | | |
| | 1-533-293-11 | FUSE HOLDER | |
| | | < CONNECTOR > | |
| * | CNP970 1-564-242-00 | PIN, CONNECTOR 5P | |
| | | < DIODE > | |
| | D966 8-719-987-63 | DIODE IN4148M | |
| | D967 8-719-987-63 | DIODE IN4148M (CND) | |
| | | < FUSE > | |
| △ | F954 1-532-506-51 | TIME LAG FUSE (T6. 3AL 250V) (E) | |
| △ | F954 1-532-749-11 | FUSE, GLASS TUBE (8A 125V) (US, CND) | |
| △ | F955 1-532-506-51 | TIME LAG FUSE (T6. 3AL 250V) (E) | |
| △ | F955 1-532-749-11 | FUSE, GLASS TUBE (8A 125V) (US, CND) | |
| | | < RESISTOR > | |
| △ | R980 1-249-413-11 | CARBON 470 5% 1/4W F | |
| △ | R981 1-249-413-11 | CARBON 470 5% 1/4W F | |
| △ | R982 1-249-413-11 | CARBON 470 5% 1/4W F (CND) | |
| △ | R983 1-249-413-11 | CARBON 470 5% 1/4W F (CND) | |

| Ref. No. | Part No. | Description | Remark |
|----------|---------------------|---|--------|
| | | < RELAY > | |
| | RY951 1-515-894-11 | RELAY (US, E) | |
| | RY952 1-515-918-11 | RELAY (CND) | |
| | RY953 1-515-918-11 | RELAY (CND) | |
| ***** | | | |
| * | 1-652-992-11 | VIDEO BOARD | |
| ***** | | | |
| | | < CAPACITOR > | |
| | C251 1-124-472-11 | ELECT 470uF 20% 10V | |
| | C252 1-124-927-11 | ELECT 4.7uF 20% 100V | |
| | C253 1-124-472-11 | ELECT 470uF 20% 10V | |
| | C254 1-124-927-11 | ELECT 4.7uF 20% 100V | |
| | C255 1-124-472-11 | ELECT 470uF 20% 10V | |
| | C256 1-124-927-11 | ELECT 4.7uF 20% 100V | |
| | C257 1-124-927-11 | ELECT 4.7uF 20% 100V | |
| | C259 1-124-927-11 | ELECT 4.7uF 20% 100V | |
| | C260 1-161-494-00 | CERAMIC 0.022uF 25V | |
| | C278 1-124-927-11 | ELECT 4.7uF 20% 100V | |
| | | < CONNECTOR > | |
| | CNP241 1-695-089-11 | PIN, CONNECTOR (PC BOARD) 11P | |
| | CNP250 1-750-179-11 | SOCKET, CONNECTOR 5P | |
| | | < IC > | |
| | IC251 8-759-061-95 | IC SN761200N | |
| | | < JACK > | |
| | J201 1-766-199-11 | JACK, PIN 3P (VIDEO 2/LD/TV IN-VIDEO) | |
| * | J202 1-695-317-11 | JACK, PIN 2P (VIDEO 1 IN, VIDEO 2 OUT-VIDEO) | |
| * | J203 1-695-317-11 | JACK, PIN 2P (VIDEO 1 OUT, MONITOR OUT-VIDEO) | |
| | | < COIL > | |
| | L251 1-410-509-11 | INDUCTOR 10uH | |
| | | < TRANSISTOR > | |
| | Q251 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| | Q252 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| | Q253 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| | Q254 8-729-900-63 | TRANSISTOR DTA124ES | |
| | | < RESISTOR > | |
| | R251 1-249-403-11 | CARBON 68 5% 1/4W F | |
| | R252 1-249-429-11 | CARBON 10K 5% 1/4W | |
| | R253 1-247-804-11 | CARBON 75 5% 1/4W | |
| | R254 1-249-403-11 | CARBON 68 5% 1/4W F | |
| | R255 1-249-429-11 | CARBON 10K 5% 1/4W | |

| | |
|--|--|
| The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified. | Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié. |
|--|--|

| Ref. No. | Part No. | Description | Remark |
|----------|--------------|---|---------------|
| R256 | 1-247-804-11 | CARBON | 75 5% 1/4W |
| R257 | 1-249-403-11 | CARBON | 68 5% 1/4W F |
| R258 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R259 | 1-247-804-11 | CARBON | 75 5% 1/4W |
| R260 | 1-247-804-11 | CARBON | 75 5% 1/4W |
| R261 | 1-247-811-31 | CARBON | 150 5% 1/4W |
| R262 | 1-247-807-31 | CARBON | 100 5% 1/4W |
| R263 | 1-247-811-31 | CARBON | 150 5% 1/4W |
| R264 | 1-247-807-31 | CARBON | 100 5% 1/4W |
| R265 | 1-247-811-31 | CARBON | 150 5% 1/4W |
| R266 | 1-247-807-31 | CARBON | 100 5% 1/4W |
| ***** | | | |
| * | 1-652-981-11 | VIDEO-3 BOARD | |
| | | ***** | |
| | | < CONNECTOR > | |
| CNJ207 | 1-766-206-11 | JACK, PIN 3P (VIDEO 3 INPUT) | |
| * CNP230 | 1-564-520-11 | PLUG, CONNECTOR 5P | |
| | | < RESISTOR > | |
| R250 | 1-247-804-11 | CARBON | 75 5% 1/4W |
| R537 | 1-249-417-11 | CARBON | 1K 5% 1/4W F |
| R587 | 1-249-417-11 | CARBON | 1K 5% 1/4W F |
| ***** | | | |
| * | 1-652-982-11 | VOLUME BOARD | |
| | | ***** | |
| | | < CAPACITOR > | |
| C598 | 1-124-903-11 | ELECT | 1uF 20% 50V |
| C599 | 1-124-903-11 | ELECT | 1uF 20% 50V |
| | | < CONNECTOR > | |
| CNP551 | 1-568-672-11 | CONNECTOR, BOARD TO BOARD 12P | |
| CNP552 | 1-691-769-11 | PLUG (MICRO CONNECTOR) 7P | |
| | | < RESISTOR > | |
| R599 | 1-249-409-11 | CARBON | 220 5% 1/4W F |
| | | < VARIABLE RESISTOR > | |
| RV503 | 1-241-816-11 | RES, VAR, CARBON 100KX4 (MASTER VOLUME) | |
| ***** | | | |
| | | MISCELLANEOUS | |
| | | ***** | |
| 11 | 1-765-300-11 | WIRE (FLAT TYPE) (13 CORE) | |
| 12 | 1-765-308-11 | WIRE (FLAT TYPE) (27 CORE) | |

| Ref. No. | Part No. | Description | Remark |
|----------|--------------|--|---|
| △51 | 1-575-975-11 | CORD, POWER (US, CND) | |
| △51 | 1-590-074-11 | CORD, POWER (E) | |
| △52 | 1-569-007-11 | ADAPTER, CONVERSION 2P (E) | |
| △54 | 1-769-077-31 | LEAD (WITH CONNECTOR) (2 CORE) (US, CND) | |
| △F902 | 1-532-350-00 | TIME LAG FUSE (T4AL 250V) (E) | |
| △F902 | 1-532-749-11 | FUSE, GLASS TUBE (8A 125V) (US, CND) | |
| △F904 | 1-532-350-00 | TIME LAG FUSE (T4AL 250V) (E) | |
| △F951 | 1-532-299-00 | TIME LAG FUSE (T5AL 250V) (E) | |
| △F951 | 1-576-109-11 | FUSE (5A 125V) (US, CND) | |
| △F953 | 1-532-299-00 | FUSE TIME LAG FUSE (T5AL 250V) (E) | |
| △F953 | 1-576-109-11 | FUSE (5A 125V) (US, CND) | |
| △F954 | 1-532-506-51 | TIME LAG FUSE (T6. 3AL 250V) (E) | |
| △F954 | 1-532-749-11 | FUSE, GLASS TUBE (8A 125V) (US, CND) | |
| △F955 | 1-532-506-51 | TIME LAG FUSE (T6. 3AL 250V) (E) | |
| △F955 | 1-532-749-11 | FUSE, GLASS TUBE (8A 125V) (US, CND) | |
| IC631 | 8-759-502-33 | IC SI-18752 | |
| Q602 | 8-749-010-43 | IC NE-N250 | |
| Q603 | 8-749-010-42 | IC NE-P250 | |
| Q651 | 8-729-026-08 | TRANSISTOR 2SC4495 | |
| Q701 | 8-729-026-08 | TRANSISTOR 2SC4495 | |
| Q702 | 8-749-010-43 | IC NE-N250 | |
| Q703 | 8-749-010-42 | IC NE-P250 | |
| Q751 | 8-729-026-08 | TRANSISTOR 2SC4495 | |
| Q752 | 8-749-010-43 | IC NE-N250 | |
| Q753 | 8-749-010-42 | IC NE-P250 | |
| △T902 | 1-426-880-11 | TRANSFORMER, POWER (US) | |
| △T902 | 1-426-881-11 | TRANSFORMER, POWER (CND) | |
| △T902 | 1-426-882-11 | TRANSFORMER, POWER (E) | |
| ***** | | | |
| | | ACCESSORIES & PACKING MATERIALS | |
| | | ***** | |
| | | 1-467-638-11 | REMOTE COMMANDER (RM-P341) |
| | | 1-501-374-11 | ANTENNA, LOOP |
| | | 3-758-873-11 | MANUAL, INSTRUCTION |
| | | | (ENGLISH, FRENCH, SPANISH, CHINESE) (E) |
| | | 3-758-873-21 | MANUAL, INSTRUCTION (ENGLISH) (US, CND) |
| | | 3-758-873-31 | MANUAL, INSTRUCTION (FRENCH) (CND) |
| | | 4-925-079-11 | COVER (6), BATTERY (RM-P341) |
| | | 4-933-001-01 | CUSHION |
| * | | 4-967-070-01 | INDIVIDUAL CARTON |
| ***** | | | |
| | | ***** | |
| | | HARDWARE LIST | |
| | | ***** | |
| #1 | 7-685-646-79 | SCREW +BVTP 3X8 TYPE2 IT-3 | |
| #2 | 7-682-547-09 | SCREW +BVTT 3X6 (S) | |
| #3 | 7-685-645-79 | SCREW +BVTP 3X6 TYPE2 IT-3 | |
| #4 | 7-682-561-04 | SCREW +BVTT 4X8 (S) | |
| #5 | 7-682-548-04 | SCREW +BVTT 3X8 (S) | |

| | |
|--|--|
| The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified. | Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié. |
|--|--|

STR-D1015

SONY[®] SERVICE MANUAL

*US Model
Canadian Model
E Model
Chinese Model*

SUPPLEMENT-1

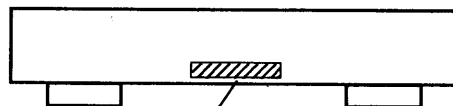
File this supplement with the service manual.

- Subject :**
1. Malaysia production model
 2. Model Addition (Chinese model)
 3. Circuit and parts changed (For Japan production)
 4. Correction

(ECN-TA404816/TA500331)

How to identify production which made in Malaysia.

— BACK PANEL —



| | Made in Japan | Made in Malaysia |
|----------------------------|---------------|------------------|
| STR-D1015 (US model) | 4-966-945-0□ | 4-971-863-0□ |
| STR-D1015 (Canadian model) | 4-966-945-1□ | 4-971-863-1□ |
| STR-D1015 (E model) | 4-966-945-2□ | 4-971-863-2□ |
| STR-D1015 (Chinese model) | _____ | 4-971-863-3□ |

NOTE:

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

Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

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

- 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.
- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- RESISTORS
All resistors are in ohms
F : nonflammable
- SEMICONDUCTORS
In each case, u: μ , for example:
uA...: μ A..., uPA...: μ PA..., uPB...: μ PB...,
uPC...: μ PC..., uPD...: μ PD...
- CAPACITORS
uF : μ F
- COILS
uH : μ H
- Abbreviations
CND : Canadian model
CH : Chinese model

1. Malaysia production model

- There is no changeability between the following boards which made in Japan and Malaysia. Referring to “How to identify production ...” (page 1), use the appropriate boards. Therefore, Refer to the service manual for the information which is not contained in this service manual.

Difference between productions made in Japan and Malaysia

| BOARD | Made in Japan | Made in Malaysia |
|----------------|--------------------------|--------------------------|
| AUDIO INPUT | * A-4371-324-A | * A-4377-315-A |
| DISPLAY | * A-4371-301-A (US, CND) | * A-4377-306-A (US, CND) |
| | * A-4371-302-A (E) | * A-4377-443-A (E) |
| MAIN AMPLIFIER | * A-4371-333-A (US, E) | * A-4377-302-A (US, E) |
| | * A-4371-334-A (CND) | * A-4377-303-A (CND) |
| POWER SUPPLY | * A-4371-310-A (US, CND) | * A-4377-313-A (US, CND) |
| | * A-4371-328-A (E) | * A-4377-444-A (E) |
| SP. TERMINAL | * A-4371-336-A | * A-4377-286-A |
| SURROUND | * A-4371-330-A (US, CND) | * A-4377-301-A (US, CND) |
| | * A-4371-331-A (E) | * A-4377-445-A (E) |
| VIDEO INPUT | * A-4371-335-A | * A-4377-285-A |

EXPLODED VIEWS

- There followings shows differences between productions made in Japan and malaysia. Referring to “How to identify production ...” (page 1), use the appropriate parts.

| Page | Made in Japan | Made in Malaysia |
|------|--|--|
| | Ref. No. Part No. Description | Ref. No. Part No. Description |
| 43 | 3 X-4942-296-1 KNOB ASSY | 3 4-949-659-01 KNOB (VOL-NEW) |
| | 4 4-908-097-21 KNOB | 4 4-957-383-01 KNOB (F14) |
| | * 9 A-4371-301-A DISPLAY BOARD, COMPLETE (US, CND) | * 9 A-4377-306-A DISPLAY BOARD, COMPLETE (US, CND) |
| | * 9 A-4371-302-A DISPLAY BOARD, COMPLETE (E) | * 9 A-4377-443-A DISPLAY BOARD, COMPLETE (E) |
| | 13 4-956-885-01 FOOT (F58175S2W) | 13 X-4941-291-1 FOOT ASSY (F58175S) |
| 44 | Δ 51 1-575-975-11 CORD, POWER (US, CND) | Δ 51 1-690-609-21 CORD, POWER (US, CND) |
| | Δ 51 1-590-074-11 CORD, POWER (E) | Δ 51 1-575-653-11 CORD, POWER (E) |
| | * 53 3-703-244-00 BUSHING (2104), CORD | * 53 3-703-571-11 BUSHING (S) (4516), CORD |
| | * 55 A-4371-336-A SP. TERMINAL BOARD, COMPLETE | * 55 A-4377-286-A SP. TERMINAL BOARD, COMPLETE |
| | * 58 4-966-945-01 PANEL, BACK (US) | * 58 4-971-863-01 PANEL, BACK (US) |
| | * 58 4-966-945-11 PANEL, BACK (CND) | * 58 4-971-863-11 PANEL, BACK (CND) |
| | * 58 4-966-945-21 PANEL, BACK (E) | * 58 4-971-863-21 PANEL, BACK (E) |
| | * 59 A-4371-324-A AUDIO INPUT BOARD, COMPLETE | * 59 A-4377-315-A AUDIO INPUT BOARD, COMPLETE |
| | * 61 A-4371-335-A VIDEO INPUT BOARD, COMPLETE | * 61 A-4377-285-A VIDEO INPUT BOARD, COMPLETE |
| | * 66 A-4371-330-A SURROUND BOARD, COMPLETE (US, CND) | * 66 A-4377-301-A SURROUND BOARD, COMPLETE (US, CND) |
| | * 66 A-4371-331-A SURROUND BOARD, COMPLETE (E) | * 66 A-4377-445-A SURROUND BOARD, COMPLETE (E) |

| Page | Made in Japan | | | Made in Malaysia | | |
|------|---------------|--------------|---|------------------|--------------|---|
| | Ref.No. | Part No. | Description | Ref.No. | Part No. | Description |
| 45 | * 104 | A-4371-333-A | MAIN AMPLIFIER BOARD, COMPLETE (US, E) | * 104 | A-4377-302-A | MAIN AMPLIFIER BOARD, COMPLETE (US, E, CH) |
| | * 104 | A-4371-334-A | MAIN AMPLIFIER BOARD, COMPLETE (CND) | * 104 | A-4377-303-A | MAIN AMPLIFIER BOARD, COMPLETE (CND) |
| | * 108 | A-4371-310-A | POWER SUPPLY BOARD, COMPLETE (US, CND) | * 108 | A-4377-313-A | POWER SUPPLY BOARD, COMPLETE (US, CND) |
| | * 108 | A-4371-328-A | POWER SUPPLY BOARD, COMPLETE (E) | * 108 | A-4377-444-A | POWER SUPPLY BOARD, COMPLETE (E) |

ELECTRICAL PARTS LIST

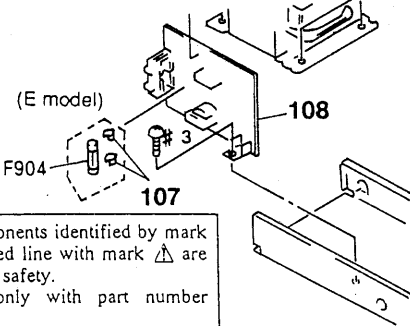
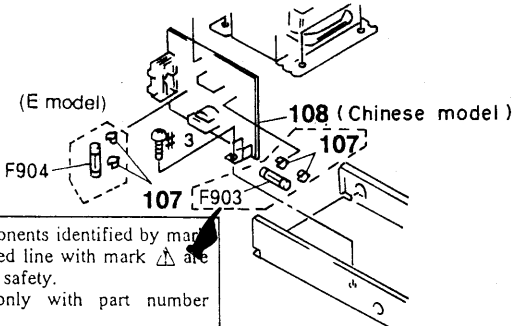
| Page | Made in Japan | | | Made in Malaysia | | |
|------|---------------|---|---|------------------|---|---|
| | Ref.No. | Part No. | Description | Ref.No. | Part No. | Description |
| 46 | * | A-4371-324-A | AUDIO INPUT BOARD, COMPLETE ***** (INCLUDING AUDIO (A) BOARD, AUDIO JOINT BOARD, AUDIO (V) BOARD) | * | A-4377-315-A | AUDIO INPUT BOARD, COMPLETE ***** (INCLUDING AUDIO (A) BOARD, AUDIO JOINT BOARD, AUDIO (V) BOARD) |
| 47 | * | A-4371-301-A | DISPLAY BOARD, COMPLETE (US, CND) ***** | * | A-4377-306-A | DISPLAY BOARD, COMPLETE (US, CND) ***** |
| | * | A-4371-302-A | DISPLAY BOARD, COMPLETE (E) ***** | * | A-4377-443-A | DISPLAY BOARD, COMPLETE (E) ***** |
| 48 | * | A-4371-333-A | MAIN AMPLIFIER BOARD, COMPLETE ***** (US, E) | * | A-4377-302-A | MAIN AMPLIFIER BOARD, COMPLETE ***** (US, E) |
| | * | A-4371-334-A | MAIN AMPLIFIER BOARD, COMPLETE ***** (CND) | * | A-4377-303-A | MAIN AMPLIFIER BOARD, COMPLETE ***** (CND) |
| 51 | * | A-4371-310-A | POWER SUPPLY BOARD, COMPLETE ***** (US, CND) | * | A-4377-313-A | POWER SUPPLY BOARD, COMPLETE ***** (US, CND) |
| | * | A-4371-328-A | POWER SUPPLY BOARD, COMPLETE (E) ***** C950 1-124-557-11 ELECT 1000uF 20% 25V | * | A-4377-444-A | POWER SUPPLY BOARD, COMPLETE (E) ***** C950 1-126-942-61 ELECT 1000uF 20% 25V |
| 52 | * | A-4371-336-A | SP. TERMINAL BOARD, COMPLETE ***** (INCLUDING SPEAKER (F) BOARD, SPEAKER JOINT BOARD, SPEAKER (C) BOARD) | * | A-4377-286-A | SP. TERMINAL BOARD, COMPLETE ***** (INCLUDING SPEAKER (F) BOARD, SPEAKER JOINT BOARD, SPEAKER (C) BOARD) |
| 53 | * | A-4371-330-A | SURROUND BOARD, COMPLETE (US, CND) ***** | * | A-4377-301-A | SURROUND BOARD, COMPLETE (US, CND) ***** |
| | * | A-4371-331-A | SURROUND BOARD, COMPLETE (E) ***** | * | A-4377-445-A | SURROUND BOARD, COMPLETE (E) ***** |
| 56 | | ** TRANSFORMER TERMINAL (2) BOARD ** RY951 1-515-894-11 RELAY (US, E) | | | ** TRANSFORMER TERMINAL (2) BOARD ** RY951 1-755-026-11 RELAY (US, E) | |
| | * | A-4371-335-A | VIDEO INPUT BOARD, COMPLETE ***** | * | A-4377-285-A | VIDEO INPUT BOARD, COMPLETE ***** |
| 57 | | ACCESSORIES & PACKING MATERIALS ***** 3-758-873-11 MANUAL, INSTRUCTION (ENGLISH, FRENCH, SPANISH, CHINESE) (E) 3-758-873-21 MANUAL, INSTRUCTION (ENGLISH) (US, CND) 3-758-873-31 MANUAL, INSTRUCTION (FRENCH) (CND) | | | ACCESSORIES & PACKING MATERIALS ***** 3-798-563-11 MANUAL, INSTRUCTION (ENGLISH, FRENCH, SPANISH, CHINESE) (E) 3-798-563-21 MANUAL, INSTRUCTION (ENGLISH) (US, CND) 3-798-563-31 MANUAL, INSTRUCTION (FRENCH) (CND) 3-798-563-41 MANUAL, INSTRUCTION (ENGLISH, FRENCH, SPANISH, CHINESE) (CH) | |
| | * | 4-933-001-01 CUSHION | | * | 4-972-386-01 CUSHION | |
| | * | 4-967-070-01 INDIVIDUAL CARTON | | * | 4-972-387-01 INDIVIDUAL CARTON | |

2. Model Addition (Chinese model)

- For detailed Chinese model, refer to E model.

Difference Table

EXPLODED VIEWS

| Page | E model | Chinese model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|---|--------------------------------|--------------|--------------------------------|-------|--------------|------------------------------|-------|--------------|------------------------------|-------|--------------|---------------------------|-------|--------------|-----------------------------|---|--------------|-----------------------------|--------------------------------|--------------|--------------------------|---|-------|--------------|--------------------|-------|--------------|--------------------------------|-------|--------------|------------------------------|------|--------------|-------------|------|--------------|-----------------------------|------|--------------|-----------------------------|------|--------------|--------------------------|
| 43 | <table border="1"> <thead> <tr> <th>Ref.No.</th> <th>Part No.</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>X-4942-296-1</td> <td>KNOB ASSY</td> </tr> <tr> <td>4</td> <td>4-908-097-21</td> <td>KNOB</td> </tr> <tr> <td>* 9</td> <td>A-4371-302-A</td> <td>DISPLAY BOARD, COMPLETE</td> </tr> <tr> <td>13</td> <td>4-956-885-01</td> <td>FOOT (F58175S2W)</td> </tr> </tbody> </table> | Ref.No. | Part No. | Description | 3 | X-4942-296-1 | KNOB ASSY | 4 | 4-908-097-21 | KNOB | * 9 | A-4371-302-A | DISPLAY BOARD, COMPLETE | 13 | 4-956-885-01 | FOOT (F58175S2W) | <table border="1"> <thead> <tr> <th>Ref.No.</th> <th>Part No.</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>4-949-659-01</td> <td>KNOB (VOL-NEW)</td> </tr> <tr> <td>4</td> <td>4-957-383-01</td> <td>KNOB (F14)</td> </tr> <tr> <td>* 9</td> <td>A-4378-038-A</td> <td>DISPLAY BOARD, COMPLETE</td> </tr> <tr> <td>13</td> <td>X-4941-291-1</td> <td>FOOT ASSY (F58175S)</td> </tr> </tbody> </table> | Ref.No. | Part No. | Description | 3 | 4-949-659-01 | KNOB (VOL-NEW) | 4 | 4-957-383-01 | KNOB (F14) | * 9 | A-4378-038-A | DISPLAY BOARD, COMPLETE | 13 | X-4941-291-1 | FOOT ASSY (F58175S) | | | | | | | | | | | | |
| Ref.No. | Part No. | Description | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | X-4942-296-1 | KNOB ASSY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 4-908-097-21 | KNOB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * 9 | A-4371-302-A | DISPLAY BOARD, COMPLETE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 4-956-885-01 | FOOT (F58175S2W) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ref.No. | Part No. | Description | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 4-949-659-01 | KNOB (VOL-NEW) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 4-957-383-01 | KNOB (F14) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * 9 | A-4378-038-A | DISPLAY BOARD, COMPLETE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | X-4941-291-1 | FOOT ASSY (F58175S) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44 | <table border="1"> <tbody> <tr> <td>△51</td> <td>1-590-074-11</td> <td>CORD, POWER</td> </tr> <tr> <td>△54</td> <td></td> <td></td> </tr> <tr> <td>* 55</td> <td>A-4371-336-A</td> <td>SP. TERMINAL BOARD, COMPLETE</td> </tr> <tr> <td>* 58</td> <td>4-966-945-21</td> <td>PANEL, BACK</td> </tr> <tr> <td>* 59</td> <td>A-4371-324-A</td> <td>AUDIO INPUT BOARD, COMPLETE</td> </tr> <tr> <td>* 61</td> <td>A-4371-335-A</td> <td>VIDEO INPUT BOARD, COMPLETE</td> </tr> <tr> <td>* 66</td> <td>A-4371-331-A</td> <td>SURROUND BOARD, COMPLETE</td> </tr> </tbody> </table> | △51 | 1-590-074-11 | CORD, POWER | △54 | | | * 55 | A-4371-336-A | SP. TERMINAL BOARD, COMPLETE | * 58 | 4-966-945-21 | PANEL, BACK | * 59 | A-4371-324-A | AUDIO INPUT BOARD, COMPLETE | * 61 | A-4371-335-A | VIDEO INPUT BOARD, COMPLETE | * 66 | A-4371-331-A | SURROUND BOARD, COMPLETE | <table border="1"> <tbody> <tr> <td>△51</td> <td>1-575-651-11</td> <td>CORD, POWER</td> </tr> <tr> <td>△54</td> <td>1-769-078-31</td> <td>LEAD (WITH CONNECTOR) (2 CORE)</td> </tr> <tr> <td>* 55</td> <td>A-4378-036-A</td> <td>SP. TERMINAL BOARD, COMPLETE</td> </tr> <tr> <td>* 58</td> <td>4-971-863-31</td> <td>PANEL, BACK</td> </tr> <tr> <td>* 59</td> <td>A-4377-315-A</td> <td>AUDIO INPUT BOARD, COMPLETE</td> </tr> <tr> <td>* 61</td> <td>A-4377-285-A</td> <td>VIDEO INPUT BOARD, COMPLETE</td> </tr> <tr> <td>* 66</td> <td>A-4378-307-A</td> <td>SURROUND BOARD, COMPLETE</td> </tr> </tbody> </table> | △51 | 1-575-651-11 | CORD, POWER | △54 | 1-769-078-31 | LEAD (WITH CONNECTOR) (2 CORE) | * 55 | A-4378-036-A | SP. TERMINAL BOARD, COMPLETE | * 58 | 4-971-863-31 | PANEL, BACK | * 59 | A-4377-315-A | AUDIO INPUT BOARD, COMPLETE | * 61 | A-4377-285-A | VIDEO INPUT BOARD, COMPLETE | * 66 | A-4378-307-A | SURROUND BOARD, COMPLETE |
| △51 | 1-590-074-11 | CORD, POWER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| △54 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * 55 | A-4371-336-A | SP. TERMINAL BOARD, COMPLETE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * 58 | 4-966-945-21 | PANEL, BACK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * 59 | A-4371-324-A | AUDIO INPUT BOARD, COMPLETE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * 61 | A-4371-335-A | VIDEO INPUT BOARD, COMPLETE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * 66 | A-4371-331-A | SURROUND BOARD, COMPLETE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| △51 | 1-575-651-11 | CORD, POWER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| △54 | 1-769-078-31 | LEAD (WITH CONNECTOR) (2 CORE) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * 55 | A-4378-036-A | SP. TERMINAL BOARD, COMPLETE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * 58 | 4-971-863-31 | PANEL, BACK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * 59 | A-4377-315-A | AUDIO INPUT BOARD, COMPLETE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * 61 | A-4377-285-A | VIDEO INPUT BOARD, COMPLETE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * 66 | A-4378-307-A | SURROUND BOARD, COMPLETE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | <table border="1"> <tbody> <tr> <td>* 104</td> <td>A-4371-333-A</td> <td>MAIN AMPLIFIER BOARD, COMPLETE</td> </tr> <tr> <td>* 108</td> <td>A-4371-328-A</td> <td>POWER SUPPLY BOARD, COMPLETE</td> </tr> <tr> <td>△F903</td> <td></td> <td></td> </tr> <tr> <td>△F904</td> <td>1-532-350-00</td> <td>TIME LAG FUSE (T4AL 250V)</td> </tr> <tr> <td>△T902</td> <td>1-426-882-11</td> <td>TRANSFORMER, POWER</td> </tr> </tbody> </table>  <p>Components identified by marked line with mark △ are critical for safety. Replace only with part number</p> | * 104 | A-4371-333-A | MAIN AMPLIFIER BOARD, COMPLETE | * 108 | A-4371-328-A | POWER SUPPLY BOARD, COMPLETE | △F903 | | | △F904 | 1-532-350-00 | TIME LAG FUSE (T4AL 250V) | △T902 | 1-426-882-11 | TRANSFORMER, POWER | <table border="1"> <tbody> <tr> <td>* 104</td> <td>A-4377-302-A</td> <td>MAIN AMPLIFIER BOARD, COMPLETE</td> </tr> <tr> <td>* 108</td> <td>A-4378-039-A</td> <td>POWER SUPPLY BOARD, COMPLETE</td> </tr> <tr> <td>△F903</td> <td>1-532-286-00</td> <td>FUSE (T2.5AL 250V)</td> </tr> <tr> <td>△F904</td> <td></td> <td></td> </tr> <tr> <td>△T902</td> <td>1-427-931-11</td> <td>TRANSFORMER, POWER</td> </tr> </tbody> </table>  <p>Components identified by marked line with mark △ are critical for safety. Replace only with part number</p> | * 104 | A-4377-302-A | MAIN AMPLIFIER BOARD, COMPLETE | * 108 | A-4378-039-A | POWER SUPPLY BOARD, COMPLETE | △F903 | 1-532-286-00 | FUSE (T2.5AL 250V) | △F904 | | | △T902 | 1-427-931-11 | TRANSFORMER, POWER | | | | | | | | | | | | |
| * 104 | A-4371-333-A | MAIN AMPLIFIER BOARD, COMPLETE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * 108 | A-4371-328-A | POWER SUPPLY BOARD, COMPLETE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| △F903 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| △F904 | 1-532-350-00 | TIME LAG FUSE (T4AL 250V) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| △T902 | 1-426-882-11 | TRANSFORMER, POWER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * 104 | A-4377-302-A | MAIN AMPLIFIER BOARD, COMPLETE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * 108 | A-4378-039-A | POWER SUPPLY BOARD, COMPLETE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| △F903 | 1-532-286-00 | FUSE (T2.5AL 250V) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| △F904 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| △T902 | 1-427-931-11 | TRANSFORMER, POWER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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

Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

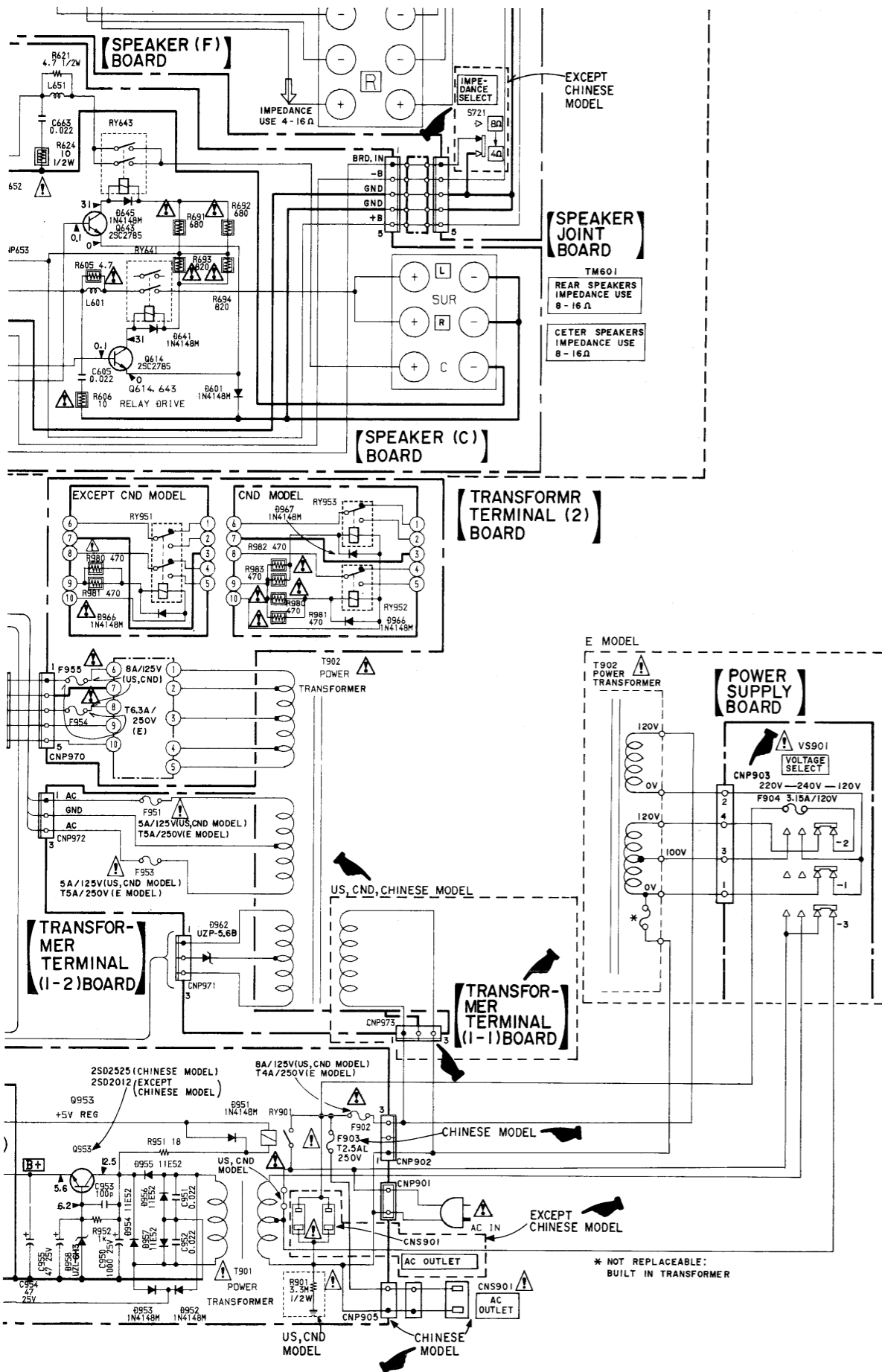
| | |
|---|--|
| The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified. | Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié. |
|---|--|

ELECTRICAL PARTS LIST

| Page | E model | Chinese model |
|------|---|---|
| | Ref.No. Part No. Description | Ref.No. Part No. Description |
| 46 | * A-4371-324-A AUDIO INPUT BOARD, COMPLETE ***** | * A-4377-315-A AUDIO INPUT BOARD, COMPLETE ***** |
| 47 | * A-4371-302-A DISPLAY BOARD, COMPLETE ***** D135 | * A-4378-038-A DISPLAY BOARD, COMPLETE ***** D135 8-719-987-63 DIODE 1N4148M |
| 48 | * A-4371-333-A MAIN AMPLIFIER BOARD, COMPLETE ***** | * A-4377-302-A MAIN AMPLIFIER BOARD, COMPLETE ***** |
| 51 | * A-4371-328-A POWER SUPPLY BOARD, COMPLETE ***** C950 1-124-557-11 ELECT 1000uF 20% 25V CNP903 1-568-106-11 PIN, CONNECTOR 4P CNP905 Δ CNS901 1-540-060-11 OUTLET, AC (POLAR) (AC OUTLET) Δ F903 Δ F904 1-532-350-00 TIME LAG FUSE (T4AL 250V) Q953 8-729-209-15 TRANSISTOR 2SD2012 | * A-4378-039-A POWER SUPPLY BOARD, COMPLETE ***** C950 1-126-942-61 ELECT 1000uF 20% 25V CNP903 CNP905 1-580-230-11 PIN, CONNECTOR (PC BOARD) 2P Δ CNS901 1-526-794-11 OUTLET, AC (AC OUTLET) Δ F903 1-532-286-00 FUSE (T2.5AL 250V) Δ F904 Q953 8-729-030-18 TRANSISTOR 2SD2525 |
| 52 | ** POWER SUPPLY BOARD ** Δ VS901 1-571-437-11 SWITCH, TACTILE (POWER ON/STANDBY) * A-4371-336-A SP. TERMINAL BOARD, COMPLETE ***** ** SPEAKER (F) BOARD ** S721 1-692-196-11 SWITCH, SLIDE (IMPEDANCE SELECT) | ** POWER SUPPLY BOARD ** Δ VS901 * A-4378-036-A SP. TERMINAL BOARD, COMPLETE ***** ** SPEAKER (F) BOARD ** S721 |
| 53 | TM601 1-537-754-11 TERMINAL BOARD (6P) (REAR/CENTER SPEAKERS) * TM701 1-537-519-11 TERMINAL BOARD (SP) (FRONT SPEAKERS) * A-4371-331-A SURROUND BOARD, COMPLETE ***** | TM601 1-537-755-11 TERMINAL BOARD (6P) (REAR/CENTER SPEAKERS) * TM701 1-537-766-11 TERMINAL BOARD (SP) (FRONT SPEAKERS) * A-4378-037-A SURROUND BOARD, COMPLETE ***** |
| 55 | TM201 1-537-769-11 TERMINAL BOARD | TM201 1-537-488-11 TERMINAL BOARD (ANT) |
| 56 | ** TRANSFORMER TERMINAL (1-2) BOARD ** CNP973 ** TRANSFORMER TERMINAL (2) BOARD ** RY951 1-515-894-11 RELAY * A-4371-335-A VIDEO INPUT BOARD, COMPLETE ***** | * 1-652-998-11 TRANSFORMER TERMINAL (1-1) BOARD ***** ** TRANSFORMER TERMINAL (1-2) BOARD ** CNP973 1-564-321-00 PIN, CONNECTOR 2P ** TRANSFORMER TERMINAL (2) BOARD ** RY951 1-755-026-11 RELAY * A-4377-285-A VIDEO INPUT BOARD, COMPLETE ***** |
| 57 | MISCELLANEOUS ***** Δ 51 1-590-074-11 CORD, POWER Δ 54 Δ CNS901 1-540-060-11 OUTLET, AC (POLAR) (AC OUTLET) Δ F903 Δ F904 1-532-350-00 TIME LAG FUSE (T4AL 250V) Δ T902 1-426-882-11 TRANSFORMER, POWER | MISCELLANEOUS ***** Δ 51 1-575-651-11 CORD, POWER Δ 54 1-769-078-31 LEAD (WITH CONNECTOR) (2 CORE) Δ CNS901 1-526-794-11 OUTLET, AC (AC OUTLET) Δ F903 1-532-286-00 FUSE (T2.5AL 250V) Δ F904 Δ T902 1-427-931-11 TRANSFORMER, POWER |

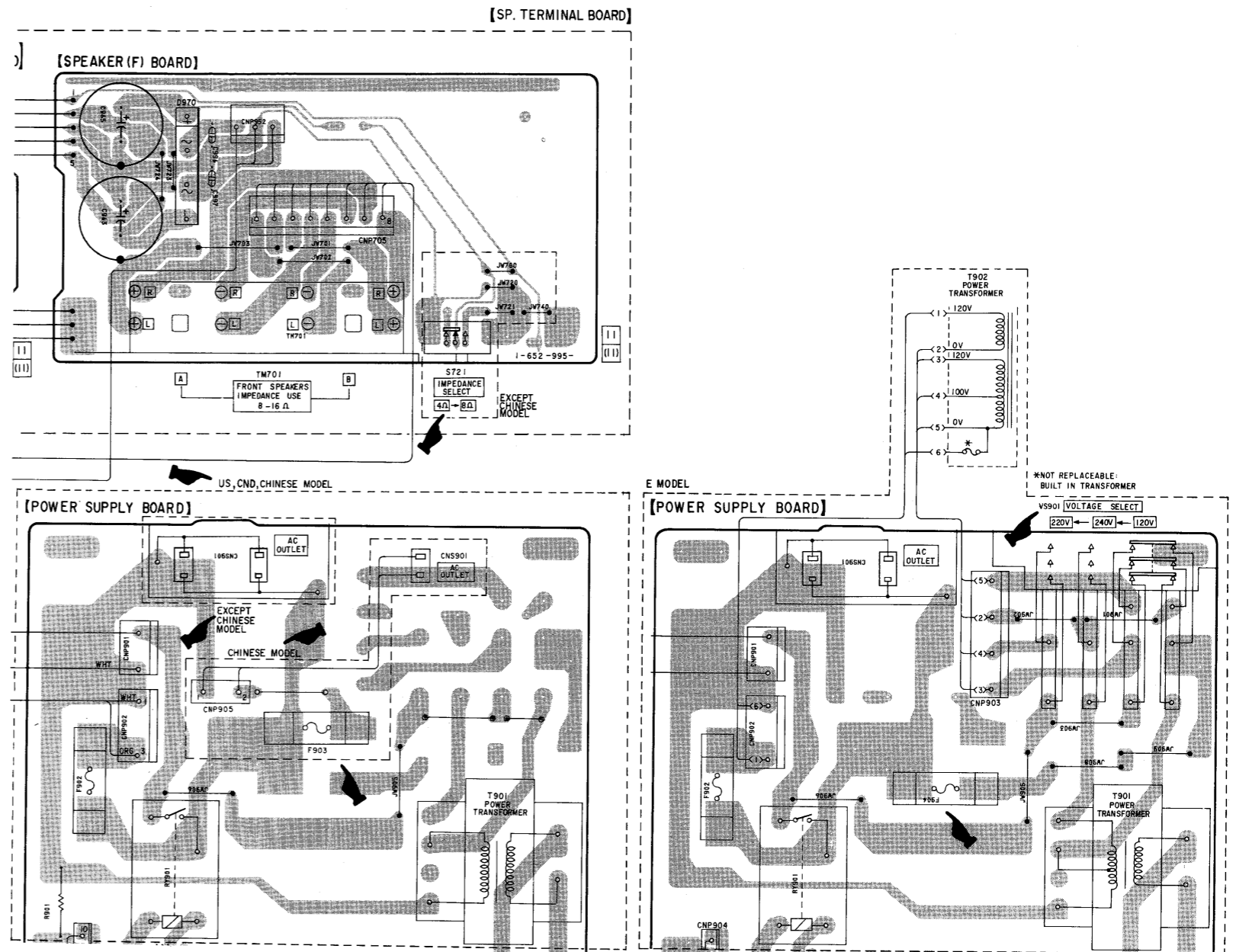
SCHEMATIC DIAGRAM (See page 27, 28)

⚡: Difference portion



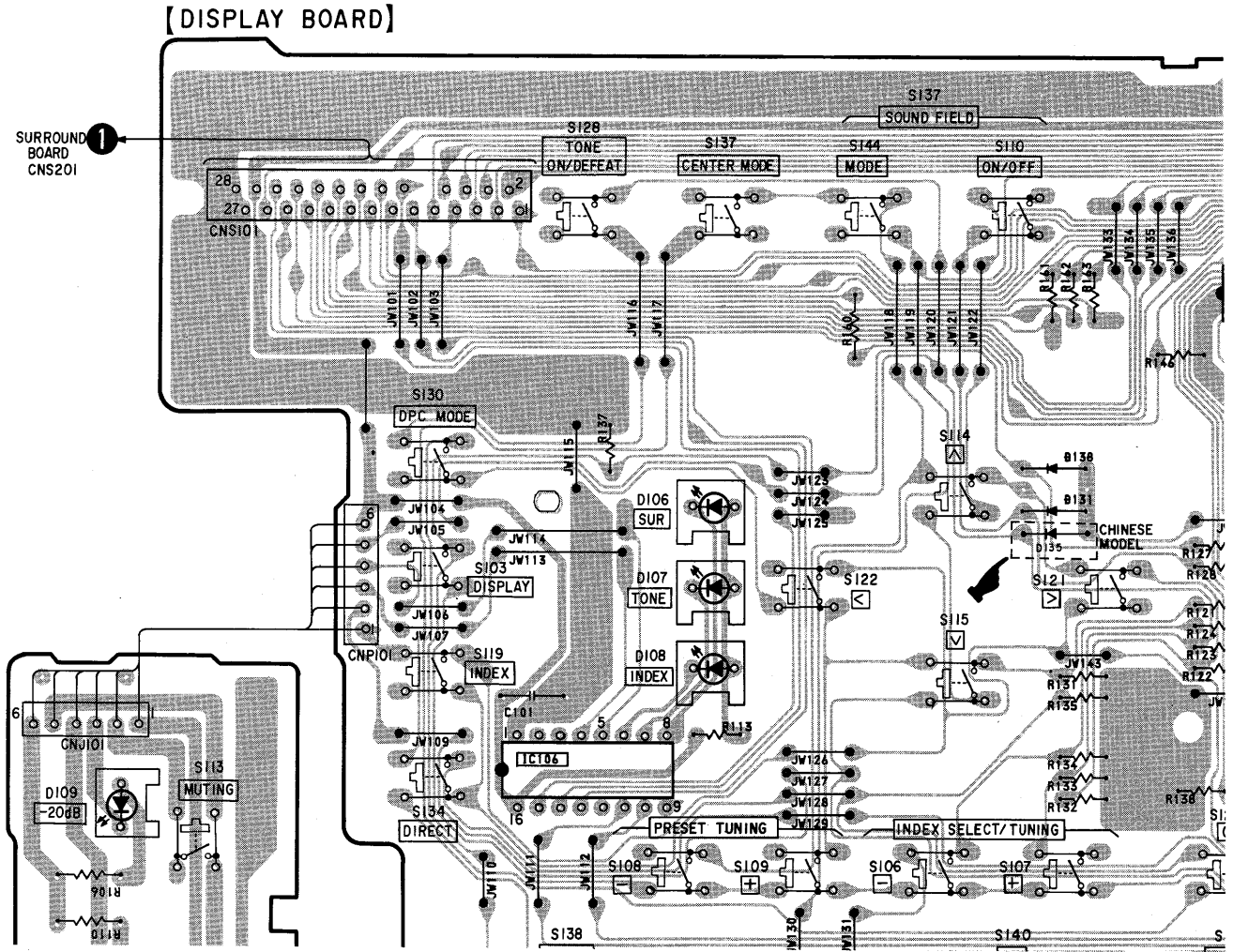
PRINTED WIRING BOARD (See page 32, 33)

⚡: Difference portion



PRINTED WIRING BOARD (See page 34, 35)

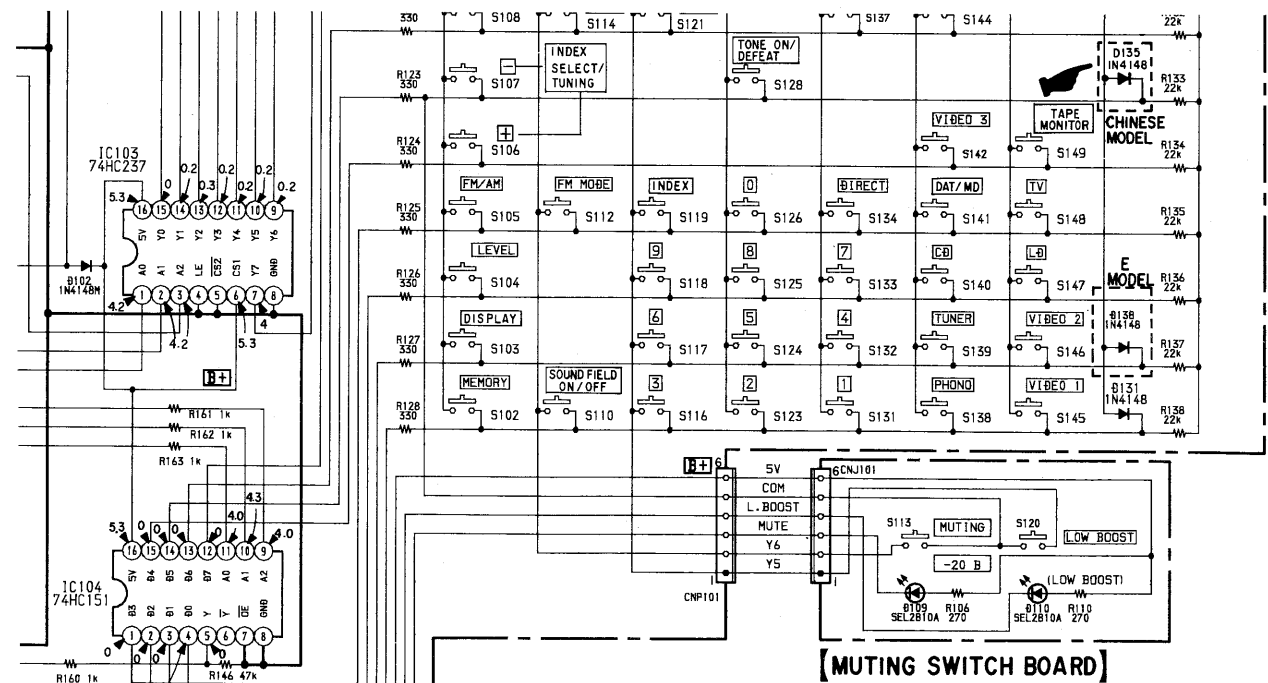
: Difference portion



SCHEMATIC DIAGRAM (See page 38)

: Difference portion

[DISPLAY BOARD]



3. Circuit and Parts changed (For Japan production)

Change of parts for Japan production.

| Page | FORMER | | | | | | NEW | | | | | |
|------|------------------------------------|--------------|-------------------|-------------|--------|--------|--------------------------------|--------------|------------------|------------|--------|--------|
| | Ref.No. | Part No. | Description | | | | Ref.No. | Part No. | Description | | | |
| 43 | 13 | X-4942-706-1 | FOOT (58175) ASSY | | | | 13 | 4-956-885-01 | FOOT (F58175S2W) | | | |
| 46 | ** AUDIO INPUT BOARD ** | | | | | | ** AUDIO INPUT BOARD ** | | | | | |
| | C502 | 1-124-927-11 | ELECT | 4.7uF | 20% | 100V | C502 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| | C552 | 1-124-927-11 | ELECT | 4.7uF | 20% | 100V | C552 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| 47 | ** DISPLAY BOARD ** | | | | | | ** DISPLAY BOARD ** | | | | | |
| | C101 | 1-161-379-00 | CERAMIC | 0.01uF | 20% | 25V | C101 | 1-162-306-11 | CERAMIC | 0.01uF | 30% | 16V |
| | C104 | 1-124-477-11 | ELECT | 47uF | 20% | 25V | C104 | 1-104-664-11 | ELECT | 47uF | 20% | 16V |
| | C105 | 1-161-379-00 | CERAMIC | 0.01uF | 20% | 25V | C105 | 1-162-306-11 | CERAMIC | 0.01uF | 30% | 16V |
| | C110 | 1-161-379-00 | CERAMIC | 0.01uF | 20% | 25V | C110 | 1-162-306-11 | CERAMIC | 0.01uF | 30% | 16V |
| 48 | R109 | 1-247-887-00 | CARBON | 220K | 5% | 1/4W | R109 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| 49 | ** MAIN AMPLIFIER BOARD ** | | | | | | ** MAIN AMPLIFIER BOARD ** | | | | | |
| | C651 | 1-124-927-11 | ELECT | 4.7uF | 20% | 100V | C651 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| | C652 | 1-164-079-11 | CERAMIC | 330PF | 10% | 50V | C652 | 1-102-112-00 | CERAMIC | 330PF | 10% | 50V |
| | C657 | 1-164-040-11 | CERAMIC | 4PF | 0.25PF | 50V | C657 | 1-102-937-00 | CERAMIC | 4PF | 0.25PF | 50V |
| | C701 | 1-124-927-11 | ELECT | 4.7uF | 20% | 100V | C701 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| | C702 | 1-164-079-11 | CERAMIC | 330PF | 10% | 50V | C702 | 1-102-112-00 | CERAMIC | 330PF | 10% | 50V |
| | C707 | 1-164-040-11 | CERAMIC | 4PF | 0.25PF | 50V | C707 | 1-102-937-00 | CERAMIC | 4PF | 0.25PF | 50V |
| | C751 | 1-124-927-11 | ELECT | 4.7uF | 20% | 100V | C751 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| | C752 | 1-164-079-11 | CERAMIC | 330PF | 10% | 50V | C752 | 1-102-112-00 | CERAMIC | 330PF | 10% | 50V |
| | C757 | 1-164-040-11 | CERAMIC | 4PF | 0.25PF | 50V | C757 | 1-102-937-00 | CERAMIC | 4PF | 0.25PF | 50V |
| | IC651 | 8-749-010-16 | IC | STK350-130A | | | IC651 | 8-749-011-16 | IC | STK350-230 | | |
| 50 | \triangle R747 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W F | \triangle R747 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W F |
| | \triangle R748 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W F | | | | | | |
| 51 | ** POWER SUPPLY BOARD ** | | | | | | ** POWER SUPPLY BOARD ** | | | | | |
| | C953 | 1-164-073-11 | CERAMIC | 100PF | 10% | 50V | C953 | 1-102-106-00 | CERAMIC | 100PF | 10% | 50V |
| 52 | ** REAR AMPLIFIER (S) BOARD ** | | | | | | ** REAR AMPLIFIER (S) BOARD ** | | | | | |
| | C621 | 1-124-927-11 | ELECT | 4.7uF | 20% | 100V | C621 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| | C622 | 1-164-073-11 | CERAMIC | 100PF | 10% | 50V | C622 | 1-102-106-00 | CERAMIC | 100PF | 10% | 50V |
| | C623 | 1-164-073-11 | CERAMIC | 100PF | 10% | 50V | C623 | 1-102-106-00 | CERAMIC | 100PF | 10% | 50V |
| | C699 | 1-124-929-11 | ELECT | 22uF | 20% | 100V | C696 | 1-102-074-00 | CERAMIC | 0.001uF | 10% | 50V |
| | IC631 | 8-759-295-87 | IC | SI-18752-LM | | | C697 | 1-102-074-00 | CERAMIC | 0.001uF | 10% | 50V |
| | | | | | | | IC631 | 8-759-502-33 | IC | SI-18752 | | |
| | ** SP. TERMINAL BOARD, COMPLETE ** | | | | | | ** SP. TERMINAL BOARD ** | | | | | |
| | \triangle R691 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W F | \triangle R691 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W F |
| | \triangle R692 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W F | | | | | | |
| | \triangle R693 | 1-249-416-11 | CARBON | 820 | 5% | 1/4W F | \triangle R693 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W F |
| | \triangle R694 | 1-249-416-11 | CARBON | 820 | 5% | 1/4W F | | | | | | |

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

Les composants identifiés par une marque \triangle sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

| Page | FORMER | | | | | | NEW | | | | | |
|------|--------------------------------------|--------------|---------------------|----------|-----|-------------|--------------------------------------|--------------|---------------------|----------|-----|-------------|
| | Ref. No. | Part No. | Description | | | | Ref. No. | Part No. | Description | | | |
| 53 | ** SURROUND BOARD ** | | | | | | ** SURROUND BOARD ** | | | | | |
| | C201 | 1-161-379-00 | CERAMIC | 0.01uF | 20% | 25V | C201 | 1-162-306-11 | CERAMIC | 0.01uF | 30% | 16V |
| | C202 | 1-124-477-11 | ELECT | 47uF | 20% | 25V | C202 | 1-104-664-11 | ELECT | 47uF | 20% | 16V |
| | C203 | 1-161-379-00 | CERAMIC | 0.01uF | 20% | 25V | C203 | 1-162-306-11 | CERAMIC | 0.01uF | 30% | 16V |
| | C207 | 1-161-379-00 | CERAMIC | 0.01uF | 20% | 25V | C207 | 1-162-306-11 | CERAMIC | 0.01uF | 30% | 16V |
| | C209 | 1-161-379-00 | CERAMIC | 0.01uF | 20% | 25V | C209 | 1-162-306-11 | CERAMIC | 0.01uF | 30% | 16V |
| | C299 | 1-161-379-00 | CERAMIC | 0.01uF | 20% | 25V | C299 | 1-162-306-11 | CERAMIC | 0.01uF | 30% | 16V |
| | C310 | 1-124-927-11 | ELECT | 4.7uF | 20% | 100V | C310 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| | C312 | 1-161-379-00 | CERAMIC | 0.01uF | 20% | 25V | C312 | 1-162-306-11 | CERAMIC | 0.01uF | 30% | 16V |
| | C322 | 1-124-927-11 | ELECT | 4.7uF | 20% | 100V | C322 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| | C328 | 1-124-927-11 | ELECT | 4.7uF | 20% | 100V | C328 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| | C330 | 1-124-927-11 | ELECT | 4.7uF | 20% | 100V | C330 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| | C335 | 1-136-161-00 | MYLAR | 0.0047uF | 5% | 50V | C335 | 1-136-161-00 | MYLAR | 0.0047uF | 5% | 50V |
| | C347 | 1-124-927-11 | ELECT | 4.7uF | 20% | 100V | C347 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| | C349 | 1-124-927-11 | ELECT | 4.7uF | 20% | 100V | C349 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| | C358 | 1-161-379-00 | CERAMIC | 0.01uF | 20% | 25V | C358 | 1-162-306-11 | CERAMIC | 0.01uF | 30% | 16V |
| | C359 | 1-124-927-11 | ELECT | 4.7uF | 20% | 100V | C359 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| | C360 | 1-124-927-11 | ELECT | 4.7uF | 20% | 100V | C360 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| 54 | C406 | 1-124-927-11 | ELECT | 4.7uF | 20% | 100V | C406 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| | C408 | 1-124-477-11 | ELECT | 47uF | 20% | 25V | C408 | 1-104-664-11 | ELECT | 47uF | 20% | 16V |
| | C410 | 1-124-477-11 | ELECT | 47uF | 20% | 25V | C410 | 1-104-664-11 | ELECT | 47uF | 20% | 16V |
| | C416 | 1-124-927-11 | ELECT | 4.7uF | 20% | 100V | C416 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| | C456 | 1-124-927-11 | ELECT | 4.7uF | 20% | 100V | C456 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| | C458 | 1-124-477-11 | ELECT | 47uF | 20% | 25V | C458 | 1-104-664-11 | ELECT | 47uF | 20% | 16V |
| | C460 | 1-124-477-11 | ELECT | 47uF | 20% | 25V | C460 | 1-104-664-11 | ELECT | 47uF | 20% | 16V |
| | C822 | 1-124-477-11 | ELECT | 47uF | 20% | 25V | C822 | 1-104-664-11 | ELECT | 47uF | 20% | 16V |
| 55 | R822 | 1-247-811-31 | CARBON | 150 | 5% | 1/4W | R822 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W F |
| 56 | ** TRANSFORMER TERMINAL (2) BOARD ** | | | | | | ** TRANSFORMER TERMINAL (2) BOARD ** | | | | | |
| | △R980 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W F | △R980 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W F |
| | △R981 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W F | | | | | | |
| | △R982 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W F(CND) | △R982 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W F(CND) |
| | △R983 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W F(CND) | | | | | | |
| | ** VIDEO BOARD ** | | | | | | ** VIDEO BOARD ** | | | | | |
| | C251 | 1-124-472-11 | ELECT | 470uF | 20% | 10V | C251 | 1-126-941-11 | ELECT | 470uF | 20% | 6.3V |
| | C252 | 1-124-927-11 | ELECT | 4.7uF | 20% | 100V | C252 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| | C253 | 1-124-472-11 | ELECT | 470uF | 20% | 10V | C253 | 1-126-941-11 | ELECT | 470uF | 20% | 6.3V |
| | C254 | 1-124-927-11 | ELECT | 4.7uF | 20% | 100V | C254 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| | C255 | 1-124-472-11 | ELECT | 470uF | 20% | 10V | C255 | 1-126-941-11 | ELECT | 470uF | 20% | 6.3V |
| | C256 | 1-124-927-11 | ELECT | 4.7uF | 20% | 100V | C256 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| | C257 | 1-124-927-11 | ELECT | 4.7uF | 20% | 100V | C257 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| | C259 | 1-124-927-11 | ELECT | 4.7uF | 20% | 100V | C259 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| | C278 | 1-124-927-11 | ELECT | 4.7uF | 20% | 100V | C278 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| 57 | #2 | 7-682-547-09 | SCREW +BVTT 3X6 (S) | | | | #2 | 7-685-871-01 | SCREW +BVTT 3X6 (S) | | | |
| | #4 | 7-682-561-04 | SCREW +BVTT 4X8 (S) | | | | #4 | 4-381-962-11 | SCREW +BVTT 4X8 (S) | | | |

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|---|--|
| <p>The components identified by mark \triangle or dotted line with mark \triangle are critical for safety. Replace only with part number specified.</p> | <p>Les composants identifiés par une marque \triangle sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.</p> |
|---|--|

4. CORRECTION

- Correct your service manual as shown below.

| Page | INCORRECT | | | CORRECT | | |
|-------|----------------|-----------------|----------------------|----------------|-----------------|--------------------------------------|
| | <u>Ref.No.</u> | <u>Part No.</u> | <u>Description</u> | <u>Ref.No.</u> | <u>Part No.</u> | <u>Description</u> |
| 44-56 | * | 1-652-992-11 | VIDEO BOARD ***** | * | A-4371-335-A | VIDEO INPUT BOARD, COMPLETE ***** |