# STR-D1011

# SERVICE MANUAL

*US Model*
*Canadian Model*

## 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 0.04 % total harmonic distortion from 250 milliwatts to rated output.**

| | Surround mode (8 ohms) |
|---|---|
| FRONT (at 1 kHz) | 80 W/ch |
| CENTER* (at 1 kHz) | 80 W |
| REAR (at 1 kHz) | 30 W/ch |

* (only in the DOLBY SUR, THEATER and LIVE modes)

### Other Specifications

**Amplifier section (Front)**

Continuous RMS power output (8 ohms, at 20 Hz-20 kHz)
130 W + 130 W

| | | |
|---|---|---|
| Dynamic power output ( in the stereo mode) | 8 ohms, at 1 kHz IHF | 185 W + 185 W |
| | 4 ohms, at 1 kHz IHF | 235 W + 235 W |

| | | |
|---|---|---|
| Frequency response | PHONO | RIAA equalization curve ±0.5 dB |
| | CD, DAT, TAPE 1,2 VIDEO 1,2,3 | 10 Hz - 20 kHz $^{+0}_{-1}$ dB |
| Damping factor (8 ohms, at 1kHz) | | 50 |
| Input sensitivity/ impedance | PHONO MM | 2.5 mV, 50 kilohms |
| | CD,DAT, TAPE 1,2 VIDEO 1,2,3 | 250 mV 50 kilohms |
| S/N | PHONO MM | 87 dB 79 dB** (A,2.5mV) |
| | CD, DAT TAPE 1,2 VIDEO 1,2,3 | 105 dB 85 dB** (A,150mV) |
| Output sensitivity/ impedance | DAT OUT, TAPE OUT 1,2 VIDEO 1 | 250 mV 10 kilohms |
| | HEADPHONES | Accepts headphones of high and low impedance |
| MUTING | | –20dB |
| DBFB | | +10 dB at 70Hz |

** '78IHF

使用時は添付資料も参照のこと
Refer to the additional documents.

## FM STEREO/FM-AM RECEIVER

SONY®

### Digital signal processor section

| | | |
|---|---|---|
| Modulation (A/D conversion) | | High Density Linear Converter |
| Demonstration (D/A conversion) | | High Density Linear Converter (Pulse D/A Converter) |
| Sampling frequency | | 48 kHz |
| Equalizer | Band | 3-band, Bass/Treble/Mid |
| | Turnover frequency | Bass: 125 Hz - 1 kHz<br>Treble: 1 kHz - 8 kHz |
| | Center frequency | Mid: 54 Hz – 8 kHz |
| | Level | ±10 dB, 1 dB step |
| | Slope (Q) | 3-step selectable, Wide, Mid, Narrow |
| Surround | ROOM SIZE | 16-step adjustable |
| | WALL | 16-step adjustable |
| | SEAT POSITION F/R | 16-step adjustable |
| | SEAT POSITION L/R | 16-step adjustable |
| | EFFECT LEVEL | 20-step adjustable |
| | REVERB TIME | 16-step adjustable |
| | DELAY TIME** | 15.0 ms-30.0 ms, 0.1 ms step |
| | REAR LEVEL | +10 — –50 dB, 1 dB step |
| | CENTER LEVEL*** | +10 — –50 dB, 1 dB step |
| | INPUT BALANCE | Automatic |

** (only in the DOLBY SUR mode)
*** (only in the DOLBY SUR, THEATER and LIVE modes)

### FM tuner section

| | | |
|---|---|---|
| Frequency range | | 87.5 - 108.0 MHz |
| Antenna terminals | | 75 ohms, unbalanced |
| Sensitivity at 50 dB | | 18.3 dBf, 4.5 µV (mono)<br>38.3 dBf, 45 µV (stereo) |
| Usable sensitivity | | 11.2 dBf, 2 µV (IHF) |
| S/N | Mono | 80 dB |
| | Stereo | 74 dB |
| Harmonic distortion at 1 kHz | Mono | 0.3 % |
| | Stereo | 0.5 % |
| IM distortion | Mono | 0.3 % |
| | Stereo | 0.5 % |
| Separation | | 45 dB at 1 kHz |
| Frequency response | | 30 Hz - 15 kHz $^{+0}_{-2}$dB |
| Selectivity | | 60 dB at 400 kHz |
| Capture ratio | | 1.2 dB |
| AM suppression ratio | | 54 dB |
| Image response ratio | | 70 dB |
| IF response ratio | | 70 dB |
| Spurious response ratio | | 80 dB |
| RF intermodulation at 800 kHz | | 60 dB |
| Auto tuning threshold | Low | 30 dBf |
| | High | 50 dBf |

### AM tuner section

| | |
|---|---|
| Frequency range | 530 - 1,710 kHz (with 10 kHz interval)<br>531 - 1,710 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) |
| Auto tuning threshold | 55 dB/m |

### Video section

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

### General

| | | |
|---|---|---|
| System | Tuner section | PLL quartz-locked digital synthesizer system |
| | Preamplifier section | Low-noise NF type equalizer |
| | Power amplifier section | Pure-complimentary SEPP |
| Power requirements | | 120 V AC,60 Hz |
| Power consumption | | USA model: 260 W<br>Canada model: 320 VA |
| AC outlets | | Two switched, total 120 W/1 A max. |
| Dimensions (including projecting parts and controls) | | Approx. 430 x 148 x 385 mm (w/h/d)<br>(17 x 5 $^{13}/_{16}$ x 15 $^{3}/_{16}$ inches) |
| Mass | | Approx. 13.2 kg<br>(29 lb 2 oz) |

Supplied accessories
FM wire antenna (1)
AM loop antenna (1)
Remote commander (1)
Sony Batteries SUM-3(NS) (2)

Design and specifications are subject to change without notice.

## SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check 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 TEST

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 2 V AC range are suitable. (See Fig. A)

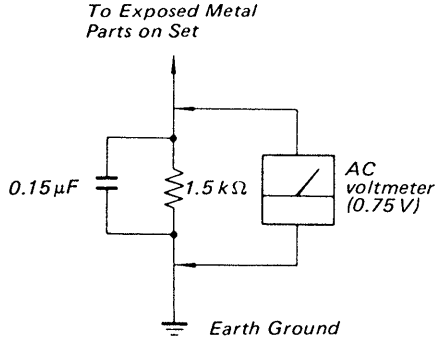



*Fig. A. Using an AC voltmeter to check AC leakage.*

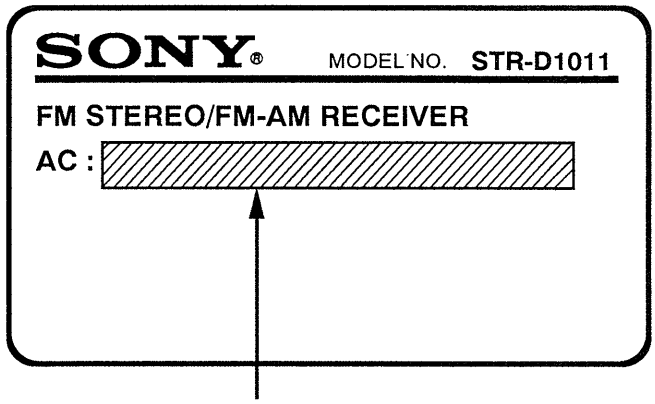
SAFETY-RELATED COMPONENT WARNING!!

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

## TABLE OF CONTENTS



**MODEL IDENTIFICATION**
***(Specification Label)***




US model : 120V~60Hz 260W
Canadian model : 120V~60Hz 320VA

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ 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.

# Overview

The STR-D1011 is an FM Stereo/FM-AM receiver and audio/video control center.
You can enjoy various audio/video program sources with this unit.

**TV/video programs**
- You can enjoy TV or CATV programs with FM simulcast.
- Sounds from various audio program sources can be added on video tapes during editing.

**Tuner**
- Precise tuning is ensured by a quartz locked digital synthesizer.
- Station index system allows you to tune into a station quickly.

**Digital surround processor**
- The STR-D1011 electronically reproduces the reflected sound (early reflection) and reverberation sound (reverberation) by using its digital signal processor, and allows you to obtain the acoustics of various situations.
- **DOLBY* PRO LOGIC**: The STR-D1011 incorporates the Dolby Pro Logic Surround Decoder which has the same functions for playback as movie theaters and gives a theater-like experience in your listening room, naturally reproducing the audio sound field.

* 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.

**Digital parametric equalizer**
You can enjoy audio program sources with appropriate equalization curve by controlling the level of the desired 3 frequency bands.

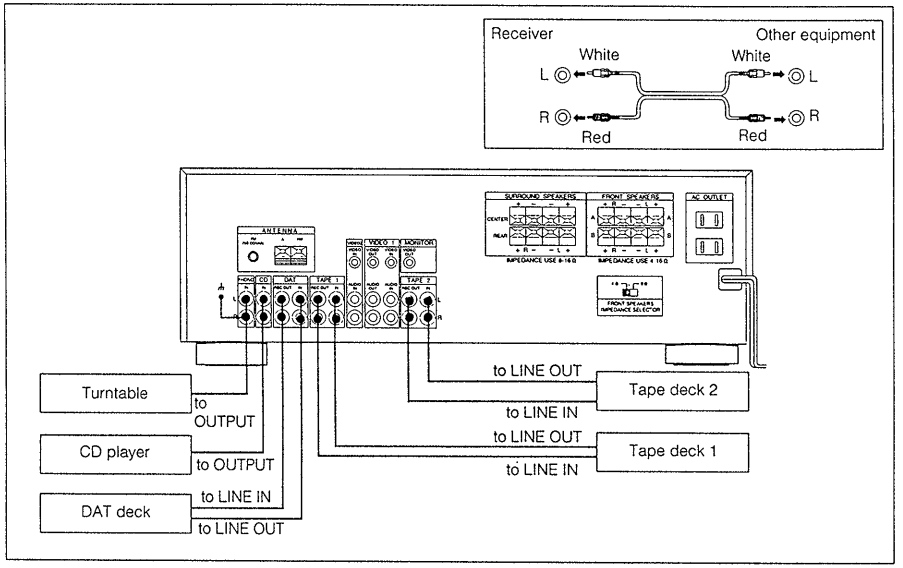
**Sound field**
- 10 recommended sound field programs (combination of surround and parametric equalizer settings) are preset in the factory for easy use. You can also store up to 10 settings you created in the memory.
- Combined use of the sound field programs and the preset stations allow you to enjoy broadcast listening immediately with the memorized sound field settings.

**The FUNCTION/SOUND FIELD/PRESET TUNING buttons**
There are two kinds of modes for the FUNCTION/SOUND FIELD/PRESET TUNING buttons. One is the "Auto mode" and the other is the "Manual mode". With these modes, you can conveniently operate this receiver.
This manual describes the operations in the auto mode.

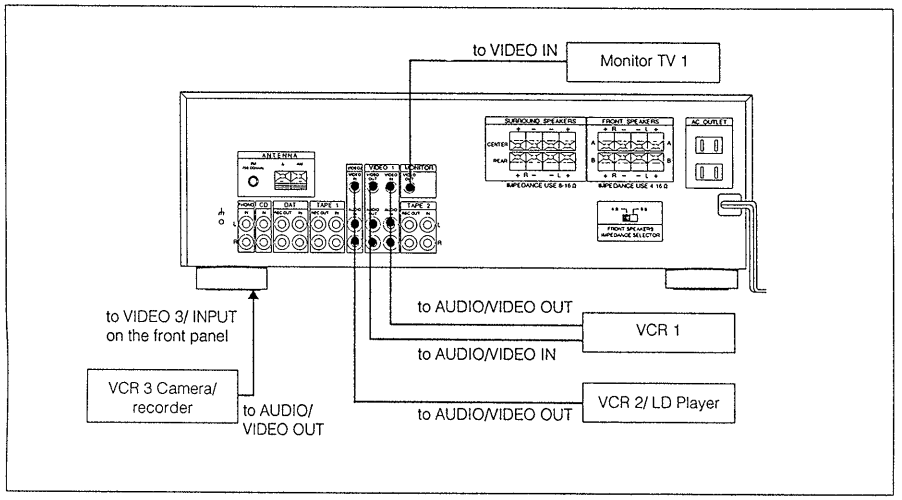
**Remote commander supplied**
This unit is supplied with the remote commander.
For the instruction of the remote commander for Canada model, see the operating instructions of the separate volume.



## Connecting Audio Equipment



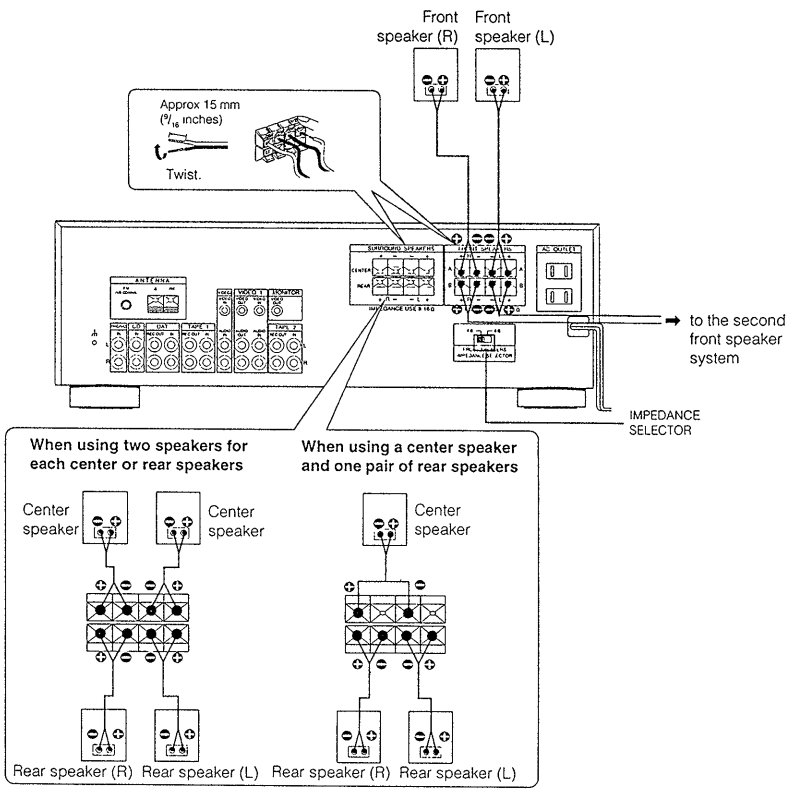

## Connecting Video Equipment



# Hooking Up the System

## Connecting Speaker Systems

Front, center and rear speakers can be connected to this unit.



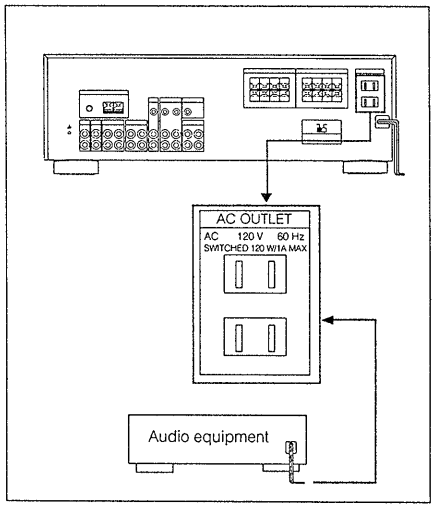

**On the IMPEDANCE SELECTOR**
The STR-D1011 has the IMPEDANCE SELECTOR for front speakers.
When using the front speakers having nominal impedance from 4 ohms or higher, set to the 4 Ω position.
When using the front speakers having nominal impedance from 8 ohms or higher, set to the 8 Ω position.

**Note**
Use the front speakers having nominal impedance of more than 8 ohms in the SURROUND mode.

**Note**
When connecting the speaker cord to the speaker terminal, make sure that the polarity (+ and –) of the speaker cord is correct. If the polarity is reversed at either speaker, the sound will be distorted and will lack bass.

## Connecting to the Power Outlet

By connecting the power cord of the other audio equipment to SWITCHED AC OUTLET, this unit can supply the power source to the other audio equipment.




**Caution**
Be careful that the total power consumption of each equipment connected to the outlets on the receiver does not exceed 120 watts.
Do not connect electrical home appliances such as an electric iron, fan, TV, or other high-wattage equipment to these outlets.

## Selecting the Mode of the FUNCTION/SOUND FIELD/PRESET TUNING Buttons

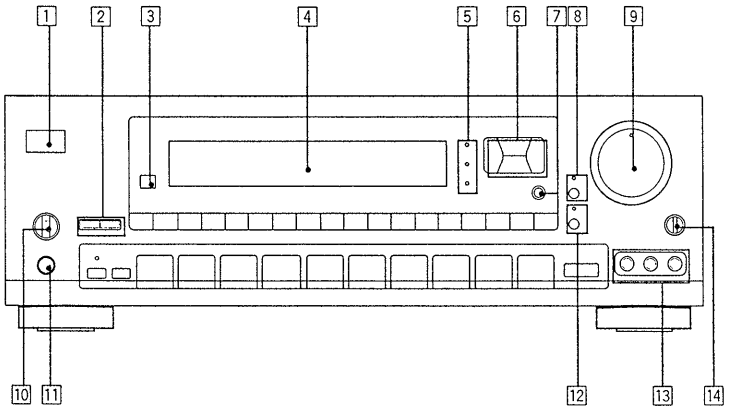
There are two kinds of modes for the FUNCTION/SOUND FIELD/PRESET TUNING buttons. One is the "Auto mode" and the other is the "Manual mode".

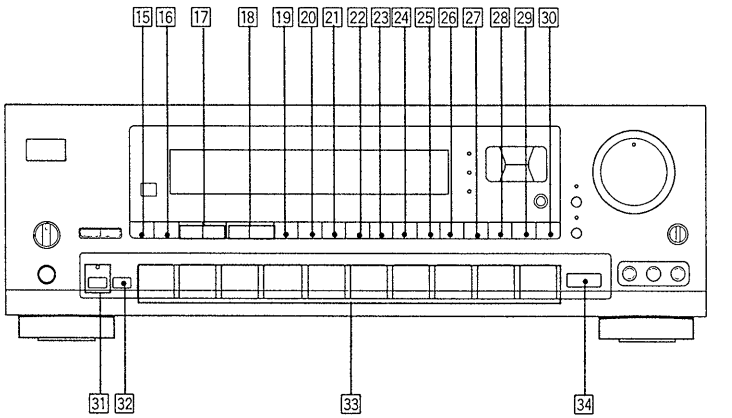
- **Auto mode**
  The FUNCTION/SOUND FIELD/PRESET TUNING buttons are factory preset to the auto mode:
  After one of the FUNCTION buttons, SOUND FIELD LINK, SOUND FIELD ON/OFF or SOUND FIELD USER/PRESET is pressed, the FUNCTION/SOUND FIELD/PRESET TUNING buttons change to the SOUND FIELD mode automatically.
  When TUNER is pressed, these buttons function as numeric buttons.

- **Manual mode**
  When you press the POWER switch while pressing MODE SELECT, the FUNCTION/SOUND FIELD/PRESET TUNING buttons are set to the manual mode.
  With MODE SELECT, you can select the desired mode.
  To return to the auto mode, perform the same procedure again.

# Identifying the Parts and Controls

## Front Panel




1 **POWER switch**

2 **EDIT VIDEO/AUDIO buttons** (See pages 25, 26.)

3 **Remote sensor**

4 **Display**

5 **CURSOR MODE indicators** (See pages 16, 21, 30, 31, 33, 36.)

6 **Cursor mode operation buttons** (See pages 16, 21, 30, 31, 33, 36.)

7 **CURSOR MODE button** (See pages 16, 21, 30, 31, 33, 36.)

8 **DBFB button and indicator** (See page 14.)

9 **MASTER VOLUME control** (See page 14.)

10 **SPEAKERS selector** (See page 14.)

11 **HEADPHONES jack**

12 **MUTING button and indicator** (See page 14.)

13 **VIDEO 3/INPUT jacks**

14 **BALANCE control** (See page 14.)

15 **DISPLAY GRAPHIC button** (See page 36.)

16 **DISPLAY INDEX button** (See pages 18, 22.)

17 **INDEX SELECT/TUNING –/+ buttons** (See pages 18, 22.)

18 **PRESET TUNING –/+ buttons** (See page 22.)

19 **TUNING LEVEL button** (See page 18.)

20 **MEMORY button** (See pages 16, 19, 21.)

21 **DIRECT TUNING button** (See page 17.)

22 **FM MODE button** (See page 17.)

23 **FM/AM button** (See pages 17, 18.)

24 **SOUND FIELD LINK button** (See page 37.)

25 **SOUND FIELD ON/OFF button** (See pages 30, 31.)

26 **SOUND FIELD USER/PRESET button** (See pages 33, 36, 37.)

27 **DOLBY PRO LOGIC MODE button** (See pages 29, 30.)

28 **EQUALIZER FLAT button** (See page 36.)

29 **EQUALIZER SLOPE button** (See page 36.)

30 **EQUALIZER BAND button** (See page 36.)

31 **TAPE 2 MONITOR button and indicator** (See page 24.)

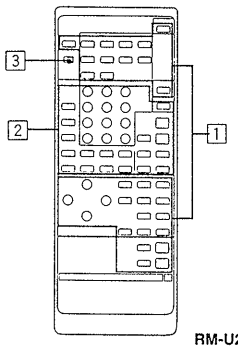
32 **SHIFT button** (See pages 19, 20, 21.)

33 **FUNCTION/SOUND FIELD/PRESET TUNING buttons** (See page 9.)

34 **MODE SELECT button** (See page 9.)

# Identifying the Parts and Controls

## Remote Commander (U.S.A. model only)




RM-U221

**1 Receiver control section**

FUNCTION:
DAT, CD, TUNER, PHONO, VIDEO 1, VIDEO 2, VIDEO 3, TAPE, DIGITAL 1, 2: The each function is selected and the each unit enters its operating mode automatically. (DIGITAL 1 and 2 do not function.)
SYSTEM OFF: Turns off the power of the whole system.
POWER: Turns on the power of the receiver.
SOUND FIELD buttons
U/P (user/preset): Selects the USER or PRESET mode.
MODE: Selects the sound field mode.
ON/OFF: Turns on/off the sound field system.
BAND: Selects the frequency band of the equalizer.
EQ: Turns on/off the setting of TONE controls.
T. (test) TONE: Generates a pink noise signal that is sent in succession to each speaker.
CURSOR MODE: Select CURSOR MODE.
CURSOR operating buttons
REAR LEVEL +/– buttons: Control the volume of rear speakers (surround level).
CENTER LEVEL +/– buttons : Control the volume of center speaker (surround level).
DBFB button: Turns on/off the DBFB (Dynamic Bass Feedback).
MUTING button: Mutes the sound.
MASTER VOL +/– buttons: Control the receiver volume.
SLEEP: Set to the SLEEP timer mode. In this mode, the unit is automatically turned off after the designated time.

**2 Other equipment control section**

Numeric buttons (1 to 0): Designate the number.
ENTER: Press after designating the TV/VCR channel.
SHIFT: Select the memory page (A, B or C).
TV/VIDEO selector: Selects the program to see : TV or VIDEO.
ANT TV/VTR button: Selects the output signal from the antenna terminal on the VCR, either a TV signal or VCR programs.
CH/PRESET +/– buttons: Select a preset channel.
INDEX: Set to the index tuning mode.
◄◄/►►: Fast winding/manual search
●: Recording
◄/►: Play
■: Stop
II: Pause
I◄◄/►►I: Locates a desired selection.
REV/FWD: Press ● and REV or FWD at the same time.
D (disc) SKIP: Disc skip (for a CD player equipped with a multi-disc changer)
SELECT: Changes the settings of the FUNCTION buttons.

**Note**

The button which has no name does not function.

**3 SYSTEM/TV mode switch**

**In TV mode (When setting the SYSTEM/TV selector to TV)**

Only MUTING, MASTER VOL +/– and the operative buttons in TV section on the list described on the next page can be used.



# Precautions

**On safety**

- Operate the unit only on 120 V AC, 60 Hz.
- Should any solid object or liquid fall into the cabinet, unplug the unit and have it checked by qualified personnel before operating it any further.
- Unplug the unit from the wall outlet if it is not to be used for an extended period of time. To disconnect the cord, pull it out by grasping the plug. Never pull the cord itself.
- One blade of the plug is wider than the other for the purpose of safety and will fit into the power outlet only one way. If you are unable to insert the plug fully into the outlet, contact your dealer.

**To prevent internal heat buildup in the unit,**

place the unit in a location with adequate air circulation.

**Do not install the unit:**

- near heat sources such as radiators or air ducts.
- in a place subject to direct sunlight, excessive dust, mechanical vibration or shock.

**Do not place anything on top of the cabinet.**

The top ventilation holes must be unobstructed for the proper operation of the unit and to prolong the life of its components.

**Do not throw away the carton and packing material!**

It will be an ideal container when transporting the system for repair work, etc.

**On operation**

Before making program source connections, be sure to turn the power switch off and unplug the unit.

**On cleaning the cabinet**

Clean the cabinet, panel and controls with a soft cloth lightly moistened with mild detergent solution. Do not use any type of abrasive pad, scouring powder, or solvent such as alcohol or benzine.

**For the customers in the U.S.A.**

For detailed safety precautions, see the "IMPORTANT SAFEGUARDS" leaflet.

If you have any question or problem concerning your unit, please consult your nearest Sony dealer.

Chapter 1 Getting Started

# Unpacking

## Checking the Supplied Accessories

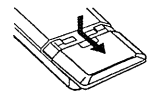
After unpacking, check that the following accessories are present.

- FM wire antenna ..... (1)
- AM loop antenna ..... (1)
- Remote commander ..... (1)
- Sony batteries SUM-3 (NS) ..... (2)

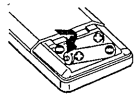
## Inserting the Batteries into the Remote Commander

Before operating remote commander, install the batteries as shown.

**1** Open the cover.



**2** Two size AA (R6) batteries with correct polarity.



**To avoid damage caused by battery leakage and corrosion**

When the commander will not be used for a long time, remove the batteries.

**Battery life**

Normal operation can be expected about a half year using Sony SUM-3 (NS), and a year using Sony AM-3 (NW) alkaline batteries.
When the batteries are run down, the remote commander will not operate the unit. In this case, replace batteries with new ones.

## Selecting the AM Tuning Interval

The AM tuning interval is preset to 10 kHz. To use the receiver where the frequency allocation system is based on a 9 kHz interval, make the following adjustments.

1 Turn on the power and tune in any AM station.
2 Turn off the power.
3 Press the POWER button while pressing the INDEX SELECT/TUNING + button.

To reset the AM tuning interval, repeat the above steps.

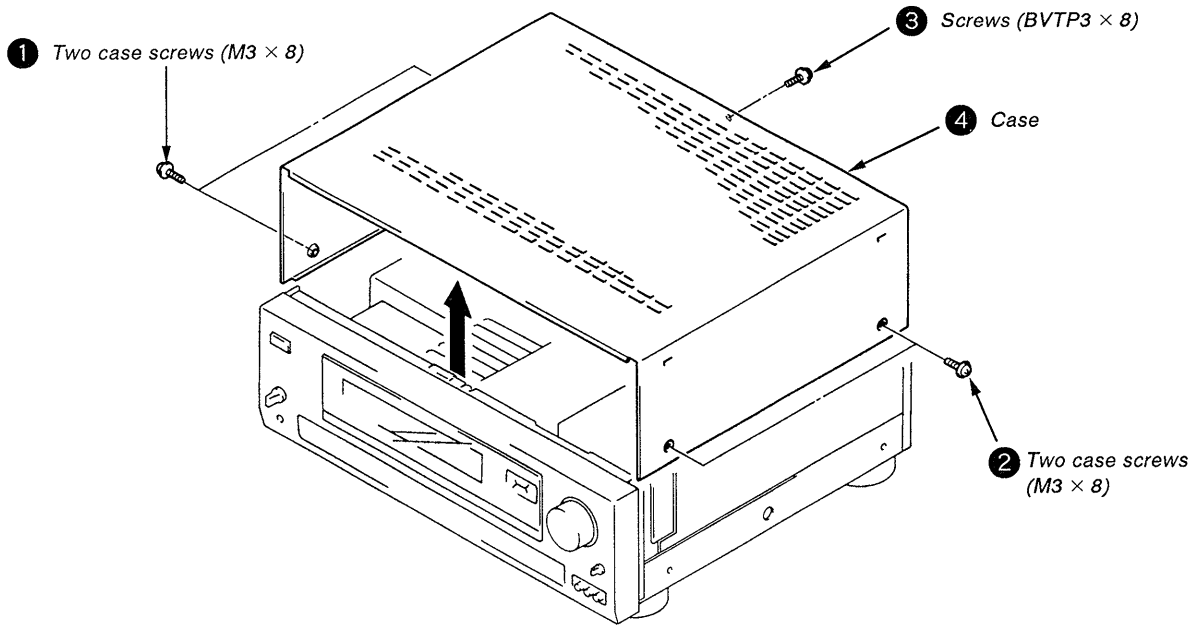
**Caution**

When the interval is changed, all preset stations which you have memorized will be erased. After changing the interval, be sure to preset the stations again.

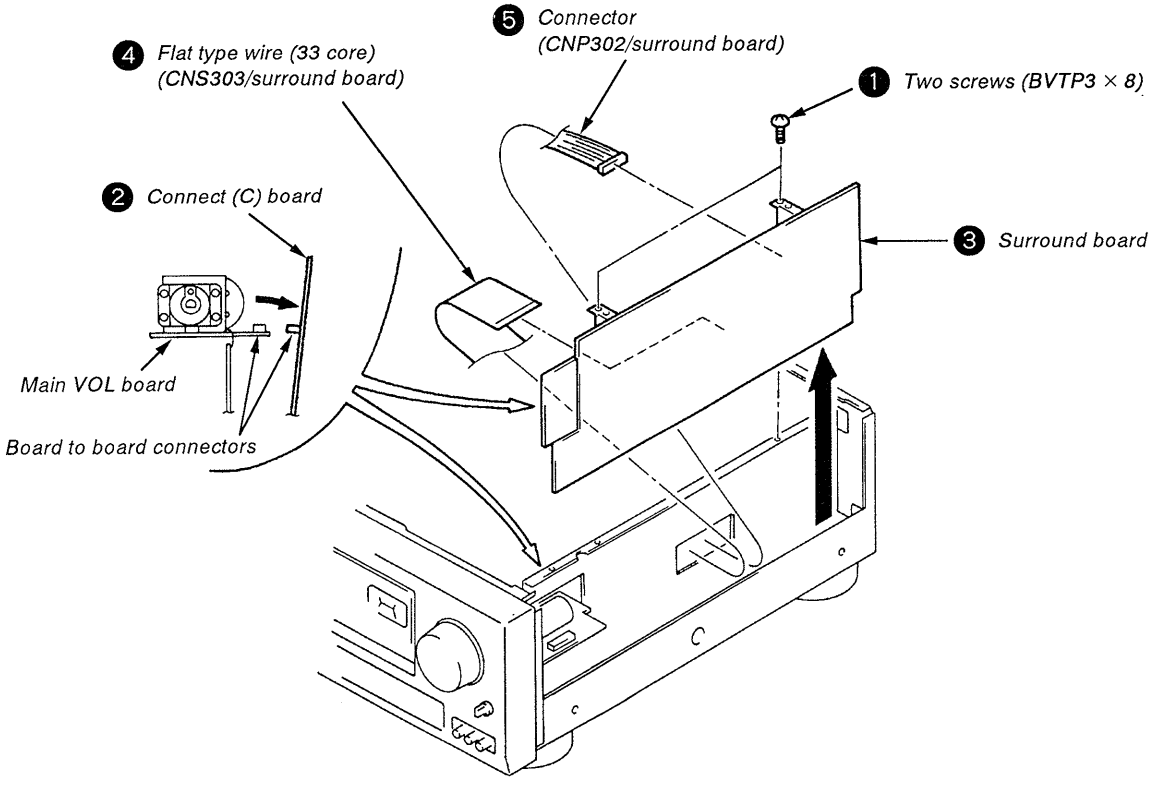
# SECTION 2
# DISASSEMBLY

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

## 2-1. CASE REMOVAL




## 2-2. SURROUND BOARD REMOVAL

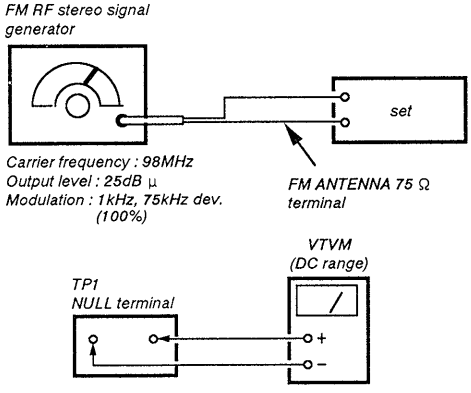


# SECTION 3
# ELECTRICAL ADJUSTMENTS

## FM SECTION

### • FM Discriminator (NULL) Adjustment

**Setting :**



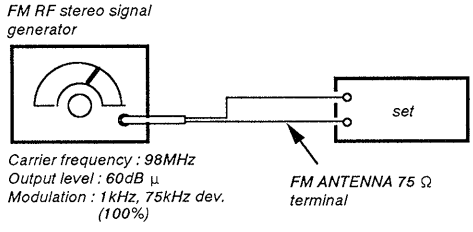

**Procedure :**

1. Tune the set to 98MHz.
2. Adjust T21 for 0V reading on the VOM.

**Note :** FM Tuning level adjustment should be made after FM discriminator adjustment.

### • FM Tuning Level Adjustment

**Setting :**

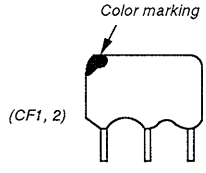



**Procedure :**

1. Tune the set to 98MHz.
2. Adjust RV24 so that the Voltage of IC10 ㉒ Pin is set to low.

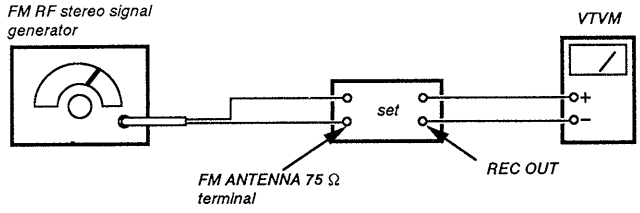
**Note on Ceramic Filter (CF1, 2) Replacement. (DISPLAY BOARD)**

This set employs two ceramic filters (CF1, 2) which should have the same color marking to identify their center frequency. Therefore FM IF offset adjustment by ( ∗ A, ∗ B) connection is necessary to match the center frequency of the ceramic filters used with FM intermediate frequency.




### • FM Stereo Separation Adjustment

**Setting :**




*Carrier frequency : 98MHz*
*Output level : 60dB μ*
*Modulation :*
*Audio (1kHz) : 33.75kHz dev. (45%)*
*Pilot (19kHz) : 7.5kHz dev. (10%)*
*Sub-channel (38kHz) : 33.75kHz dev. (45%)*

**Procedure :**

Tune the set to 98MHz

| FM stereo signal generator output channel | VTVM connection | VTVM reading (dB) |
|---|---|---|
| L-CH | L-CH | Ⓐ |
| R-CH | L-CH | Ⓑ Adjust RV21 for minimum reading |
| R-CH | R-CH | Ⓒ |
| L-CH | R-CH | Ⓓ Adjust RV21 for minimum reading |

L-CH Stereo separation : Ⓐ − Ⓑ
R-CH Stereo separation : Ⓒ − Ⓓ
> 40dB

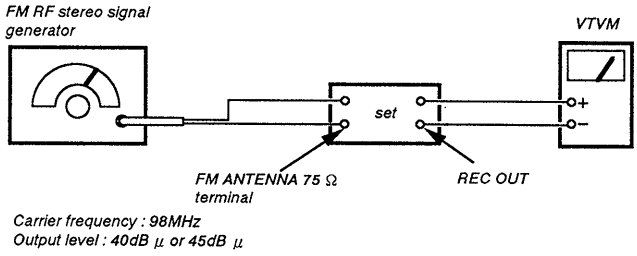
The separations of both channels should be equal

○ : shout
× : open

| Ceramic filter | | Mount | | FM intermediate frequency (MHz) |
|---|---|---|---|---|
| Color mark | Center frequency (MHz) | ∗ A (D217) | ∗ B (D218) | |
| White | 10.750 | × | ○ | 10.750 |
| Red | 10.700 | × | × | 10.700 |
| Black | 10.650 | ○ | × | 10.650 |

## • Auto Stop Level Adjustment

**Setting :**



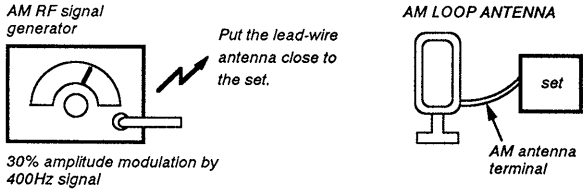

**Procedure :**

1. Push the TUNING LEVEL switch to High.
2. Adjust RV25 so that the voltage of IC10 ㉑ pin set to low.

## AM SECTION

## • AM Tuning Level

**Setting :**

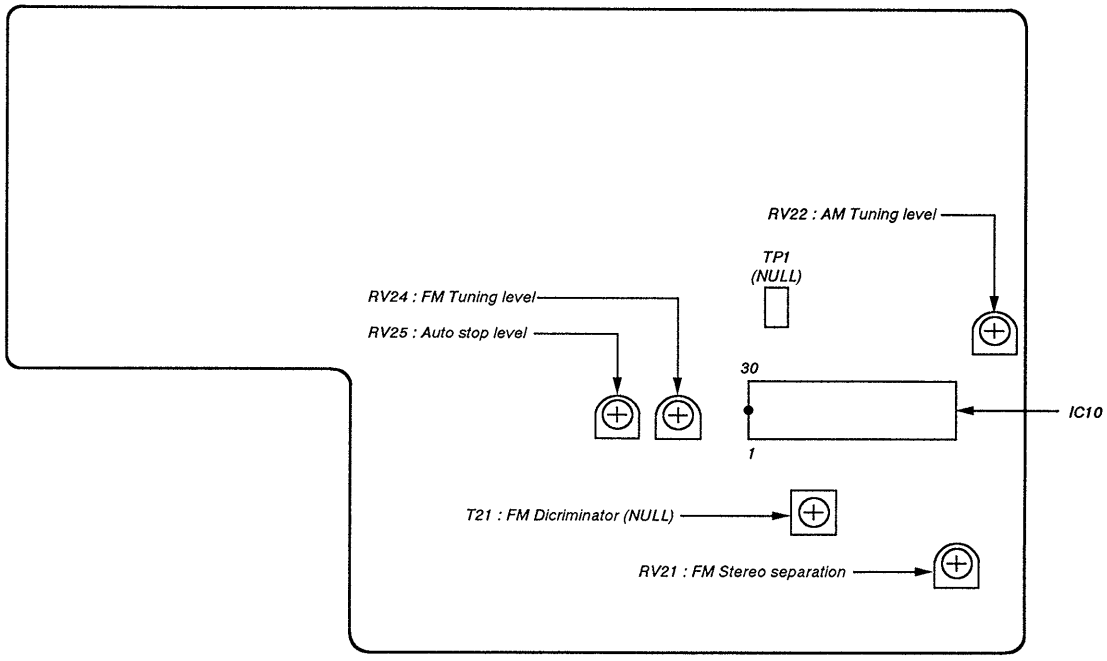



**Procedure :**

1. Tune the set to 1,050kHz.
2. Adjust RV22 so that the voltage of IC10 ㉑ pin set to low.

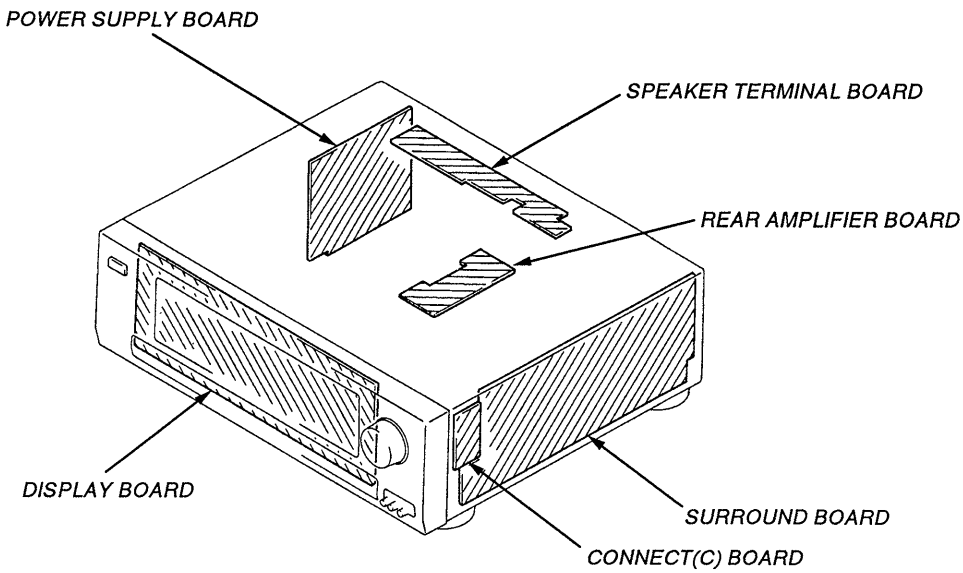
**Adjustment Location :**

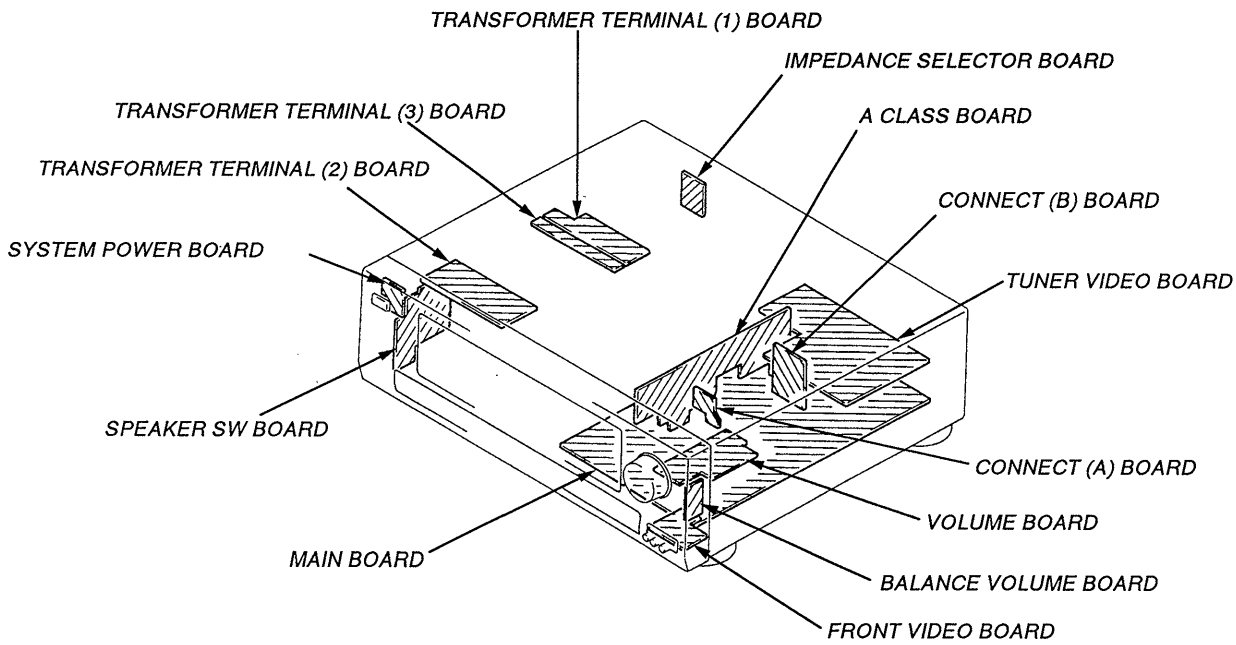
**【TUNER VIDEO BOARD】 – Component side –**



# SECTION 4
# DIAGRAMS

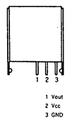
## 4-1. CIRCUIT BOARDS LOCATION



## 4-2. SEMICONDUCTOR LEAD LAYOUTS

GP1U52XB

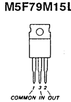



LM3875-S

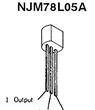
M5218AFP


M5F78M05L
M5F78M15L


M5F79M15L




NJM78L05A




NJM79L05A


RBA-402

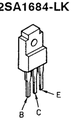

2SA979-FG


2SA988-PAFAEA


2SA1142-QPE
2SC2682-QPE


2SA1175-HFE
2SC2785-HFE
2SC3623A-LK
DTA124ES
DTC144ES


2SA1684-LK




2SC1841-PAFAEA


2SC2603-EF
DTA114ES
DTC114ES
DTC124ES


2SC3113-AB
2SC2669-OY


2SC3395
2SC3396
2SC3398
2SC3624A-L5
2SC3661
DTA144EK
RN2402


2SC4431-LK


2SD2012

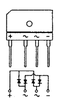

2SK246-GR2
2SK246-GR3


10E2
1N4148
1S1585
HZS4ALL
UZL-36H
UZP-6.8B


1SS352


HZS6A3L
HZS6C3L


RBV-602-01



SEL2810A


SEL3810A-CD


SEL6914W-TP6S


## • SEMICONDUCTOR LOCATION

| Ref. No. | Location |
|---|---|
| IC10 | D-2 |
| IC11 | D-4 |
| IC101 | C-6 |
| | |
| Q1 | D-3 |
| Q2 | D-3 |
| Q21 | E-2 |
| Q22 | F-2 |
| Q23 | E-4 |
| Q24 | E-4 |
| Q25 | E-4 |
| Q81 | E-4 |
| Q82 | E-4 |
| Q83 | C-4 |
| Q84 | C-5 |
| Q101 | B-6 |
| Q102 | B-7 |

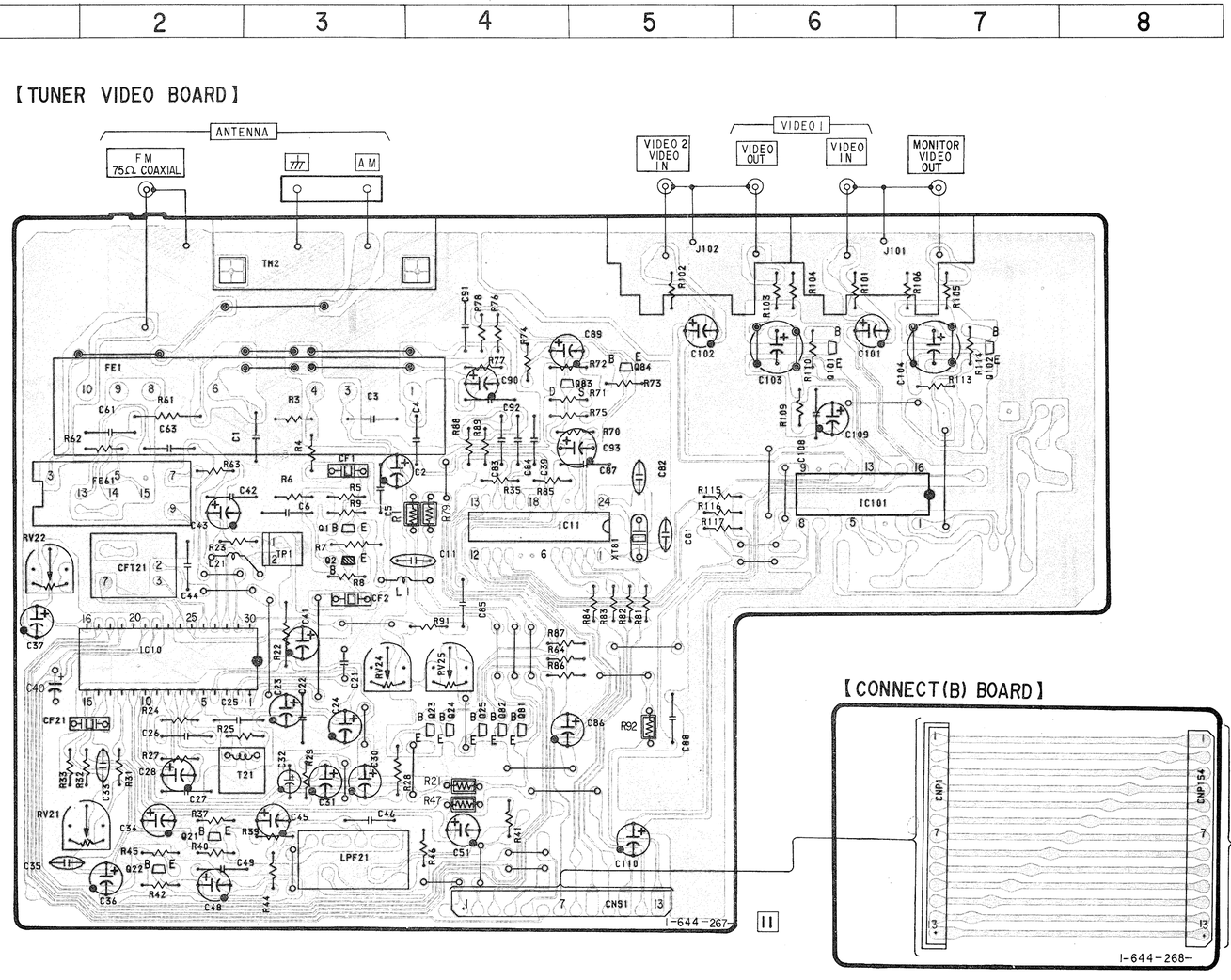
Note:

- ○— : parts extracted from the component side.
- ●— : parts extracted from the conductor side.
- ■ : parts mounted on the conductor side.



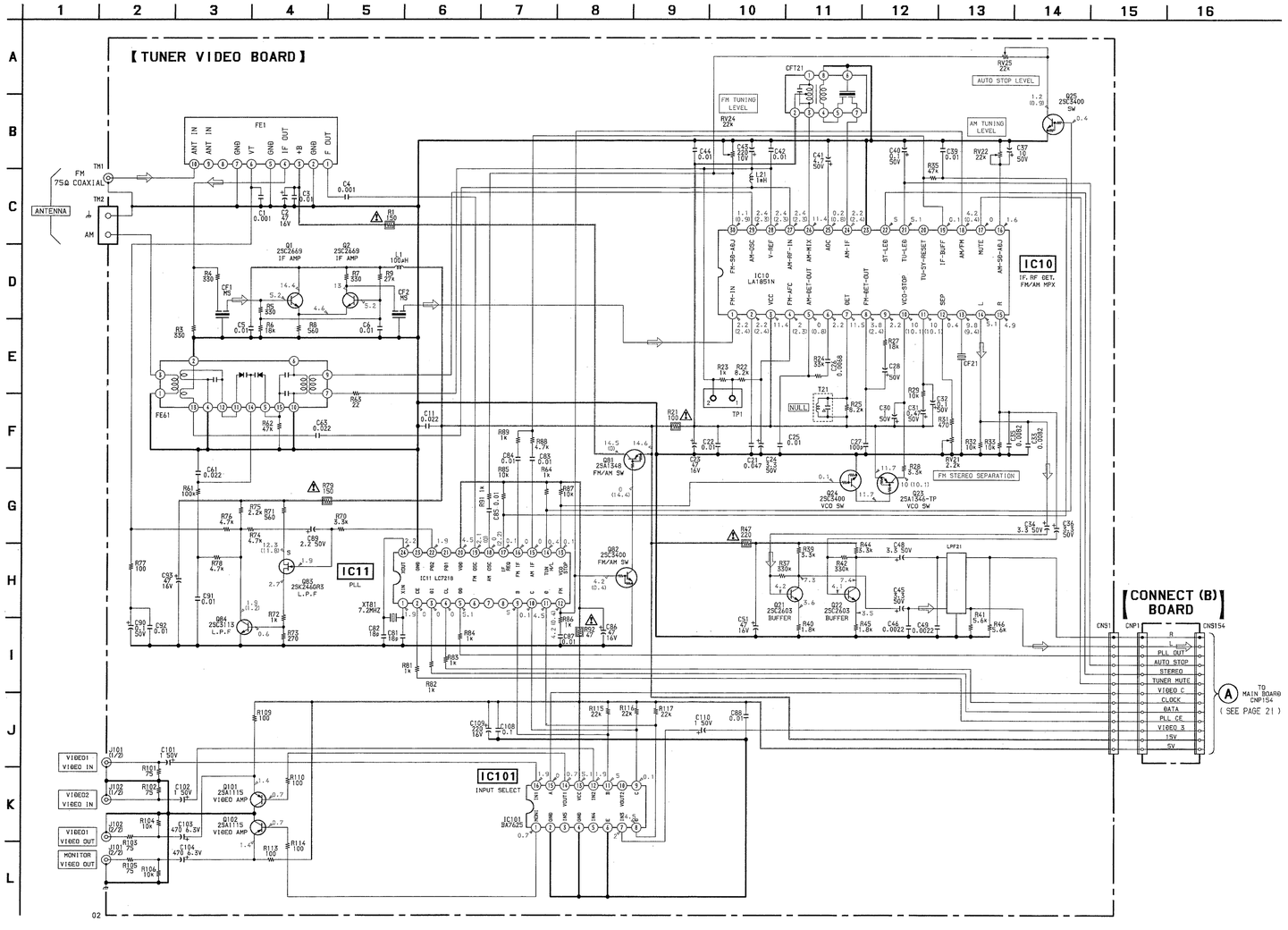
## 4-3. PRINTED WIRING BOARDS – TUNER SECTION –

【TUNER VIDEO BOARD】




02

## 4-4. SCHEMATIC DIAGRAMS – TUNER SECTION –




Note :

- All capacitors are in μ F unless otherwise noted. pF: μ μ F 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- : nonflammable resistor.

| Note : | Note : |
|---|---|
| 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. |

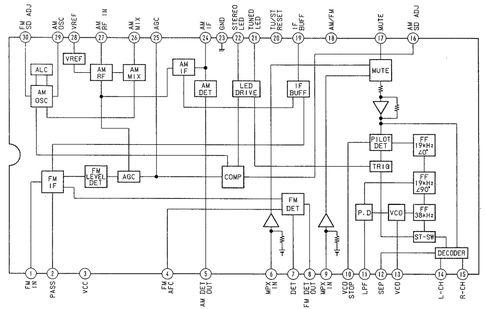
- : B+ Line
- : B – Line
- : adjustment for repair.
- Voltage and waveforms are dc with respect to ground under no-signal ( detuned ) conditions.
- Voltages are taken with a VOM ( Input impedance 10M Ω ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  : FM



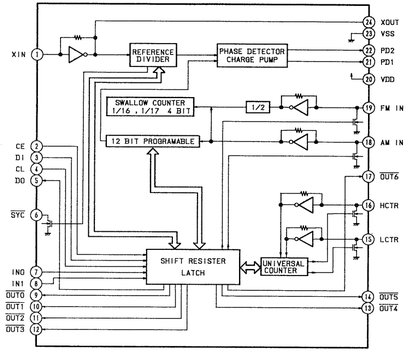


## ● IC BLOCK DIAGRAMS

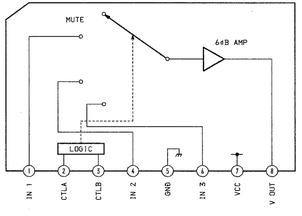
### IC10 LA1851N



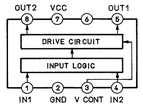

### IC11 LC7218



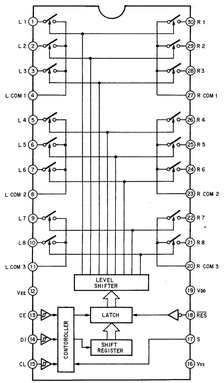

### IC102 BA7611AN



## IC231 LB1639




## IC510, 511 LC7822




**Note :**

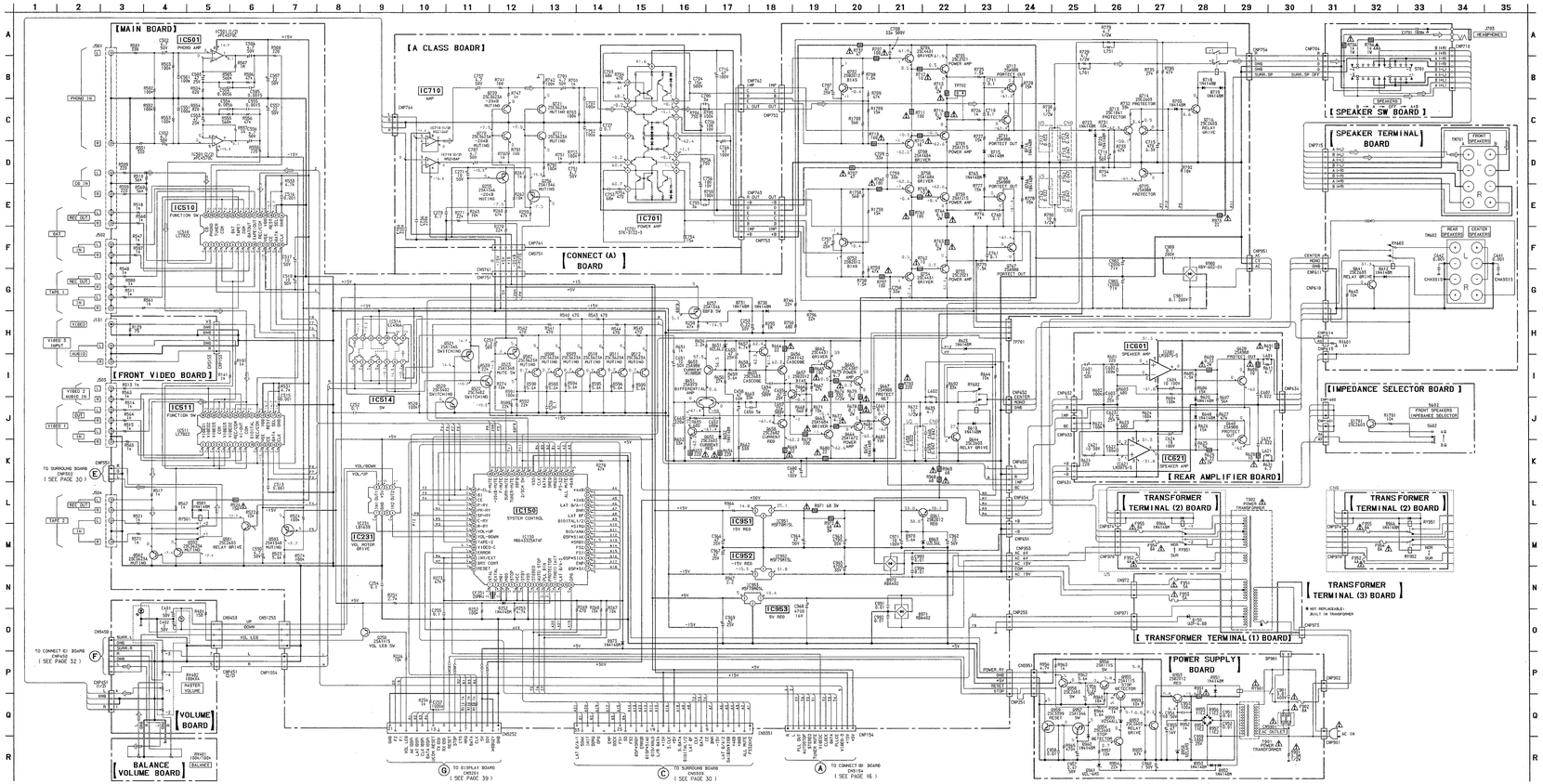
- All capacitors are in μ F unless otherwise noted. pF: μ μ F
  50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- ⚠ : nonflammable resistor.

| Note : | Note : |
|---|---|
| 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. |

- ▬▬ : B+ Line
- ▬ ▬ ▬ : B− Line
- ▭ : adjustment for repair.
- Voltage and waveforms are dc with respect to ground under no-signal ( detuned ) conditions.
- Voltages are taken with a VOM ( Input impedance 10M Ω ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : FM







## 4-6. PRINTED WIRING BOARDS — MAIN SECTION —

• Refer to page 12 for Semiconductor Lead Layouts.

### • SEMICONDUCTOR LOCATION

| Ref. No. | Location | Ref. No. | Location | Ref. No. | Location |
|---|---|---|---|---|---|
| D150 | K - 29 | IC150 | F - 14 | Q713 | J - 16 |
| D252 | F - 14 | IC231 | G - 13 | Q714 | J - 16 |
| D253 | E - 12 | IC501 | D - 17 | Q715 | J - 16 |
| D501 | I - 18 | IC510 | F - 17 | Q716 | H - 12 |
| D610 | H - 9 | IC511 | H - 17 | Q720 | F - 22 |
| D611 | H - 10 | IC514 | E - 10 | Q721 | F - 21 |
| D612 | B - 11 | IC601 | K - 2 | Q752 | K - 12 |
| D620 | J - 2 | IC621 | K - 5 | Q754 | J - 10 |
| D623 | G - 13 | IC701 | I - 22 | Q755 | K - 11 |
| D640 | J - 5 | IC951 | E - 8 | Q758 | J - 11 |
| D651 | I - 8 | IC952 | D - 8 | Q759 | K - 13 |
| D652 | I - 8 | IC953 | F - 9 | Q767 | J - 10 |
| D654 | I - 9 | | | Q768 | J - 12 |
| D701 | J - 16 | | | Q770 | G - 22 |
| D702 | J - 16 | Q250 | G - 12 | Q771 | F - 22 |
| D703 | J - 17 | Q255 | H - 22 | Q952 | B - 25 |
| D704 | J - 17 | Q256 | G - 21 | Q953 | D - 26 |
| D705 | H - 12 | Q257 | G - 12 | Q954 | D - 25 |
| D715 | J - 15 | Q501 | I - 18 | Q955 | C - 25 |
| D716 | J - 17 | Q502 | J - 18 | Q956 | C - 25 |
| D718 | H - 13 | Q503 | H - 18 | Q957 | C - 25 |
| D719 | H - 13 | Q507 | E - 11 | Q958 | D - 25 |
| D720 | J - 16 | Q508 | E - 11 | Q959 | B - 25 |
| D723 | J - 17 | Q509 | F - 10 | Q961 | G - 9 |
| D730 | H - 12 | Q510 | F - 10 | | |
| D731 | H - 12 | Q511 | F - 10 | | |
| D751 | J - 10 | Q512 | F - 10 | | |
| D752 | J - 10 | Q520 | E - 9 | | |
| D753 | J - 11 | Q521 | E - 9 | | |
| D754 | J - 12 | Q522 | E - 10 | | |
| D765 | J - 12 | Q523 | E - 11 | | |
| D766 | I - 10 | Q552 | J - 17 | | |
| Q780 | I - 11 | Q620 | J - 2 | | |
| Q781 | I - 10 | Q640 | J - 4 | | |
| D951 | B - 26 | Q641 | B - 12 | | |
| D952 | E - 25 | Q644 | H - 10 | | |
| D953 | E - 25 | Q651 | I - 8 | | |
| D954 | E - 25 | Q652 | I - 8 | | |
| D955 | E - 25 | Q653 | I - 8 | | |
| D956 | E - 25 | Q655 | J - 7 | | |
| D957 | E - 25 | Q656 | J - 7 | | |
| D958 | D - 25 | Q657 | K - 9 | | |
| D959 | D - 25 | Q658 | I - 9 | | |
| D960 | C - 25 | Q682 | J - 8 | | |
| D961 | D - 25 | Q683 | J - 9 | | |
| D963 | H - 9 | Q684 | K - 9 | | |
| D966 | K - 27 | Q685 | K - 8 | | |
| D966 | K - 25 | Q687 | J - 9 | | |
| D967 | J - 25 | Q702 | K - 16 | | |
| D670 | G - 7 | Q704 | J - 17 | | |
| D971 | G - 9 | Q705 | K - 17 | | |
| D973 | F - 12 | Q708 | J - 16 | | |
| D980 | H - 13 | Q709 | K - 15 | | |
| | | Q711 | J - 15 | | |
| | | Q712 | J - 17 | | |

**Note:**

- ○— : parts extracted from the component side.
- ●— : parts extracted from the conductor side.
- ■ : parts mounted on the conductor side.

[SPEAKER SW BOARD]

[FRONT VIDEO BOARD]

[SPEAKER TERMINAL BOARD]

[CONNECT (A) BOARD]

[A CLASS BOARD]

[POWER SUPPLY BOARD]

[MAIN BOARD]

[BALANCE VOLUME BOARD]

[VOLUME BOARD]

[REAR AMPLIFIER BOARD]

[IMPEDANCE SELECTOR BOARD]

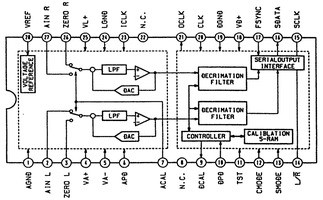
[TRANSFORMER TERMINAL(2) BOARD]

[TRANSFORMER TERMINAL(3) BOARD]

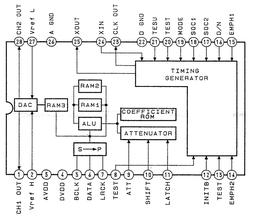
[TRANSFORMER TERMINAL(17) BOARD]

## • IC BLOCK DIAGRAMS

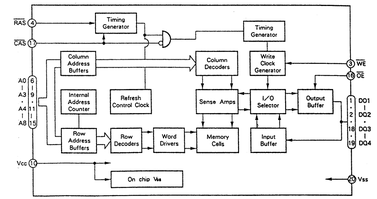
### IC301 CS5339-KP



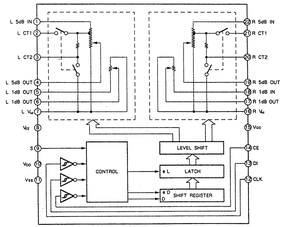

### IC307 LC7883K



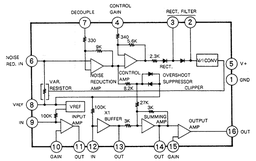

### IC406 LC32456-10




### IC418 LC7535




### IC420 LA2730






**Note :**

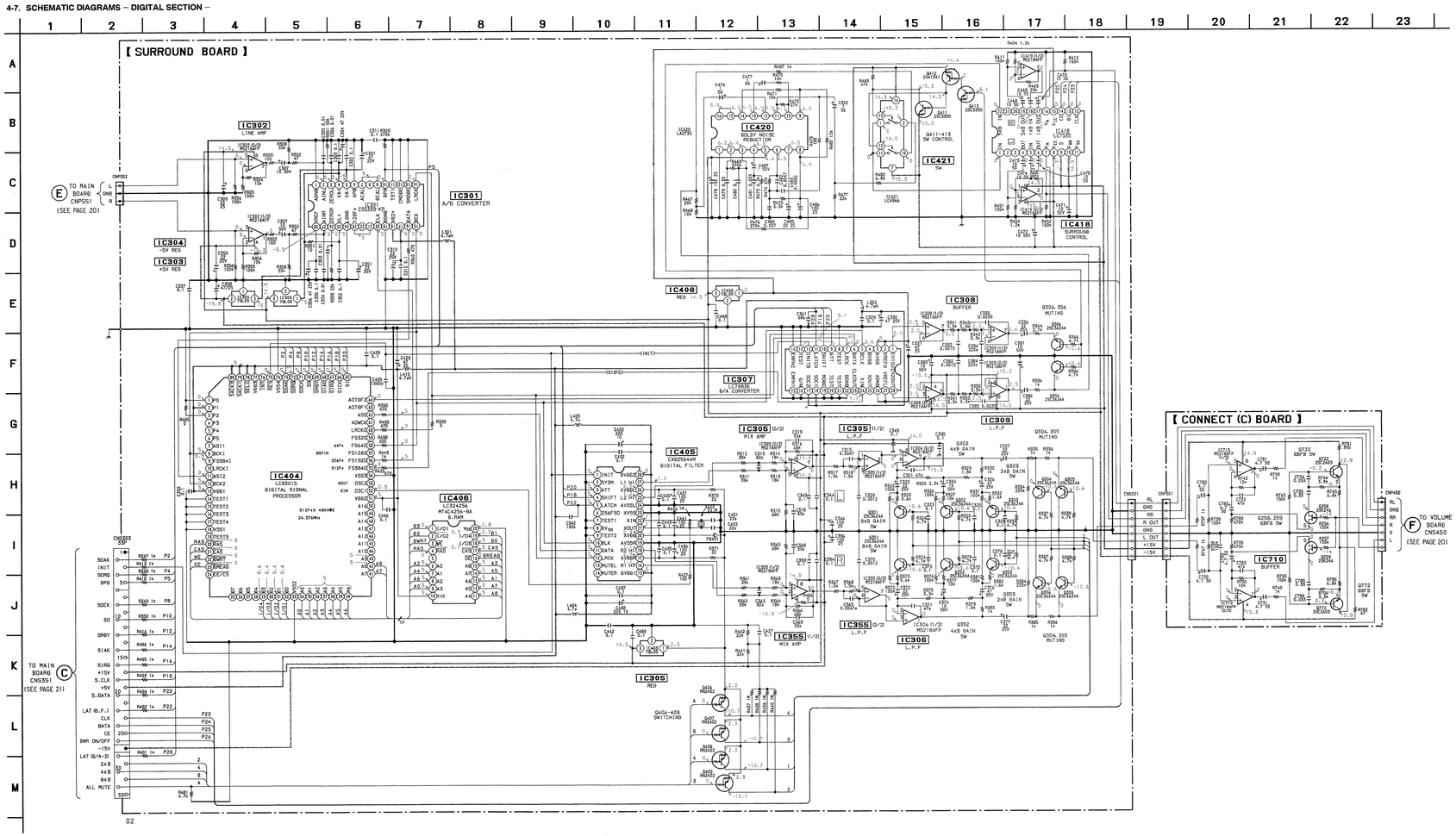
- All capacitors are in μ F unless otherwise noted. pF: μ μ F 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- [ZD] : nonflammable resistor.

| Note : | Note : |
|---|---|
| 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. |

- ═══ : B+ Line
- ═ ═ ═ : B− Line
- [ ] : adjustment for repair.
- Voltage and waveforms are dc with respect to ground under no-signal ( detuned ) conditions.
- Voltages are taken with a VOM ( Input impedance 10M Ω ). Voltage variations may be noted due to normal production tolerances.

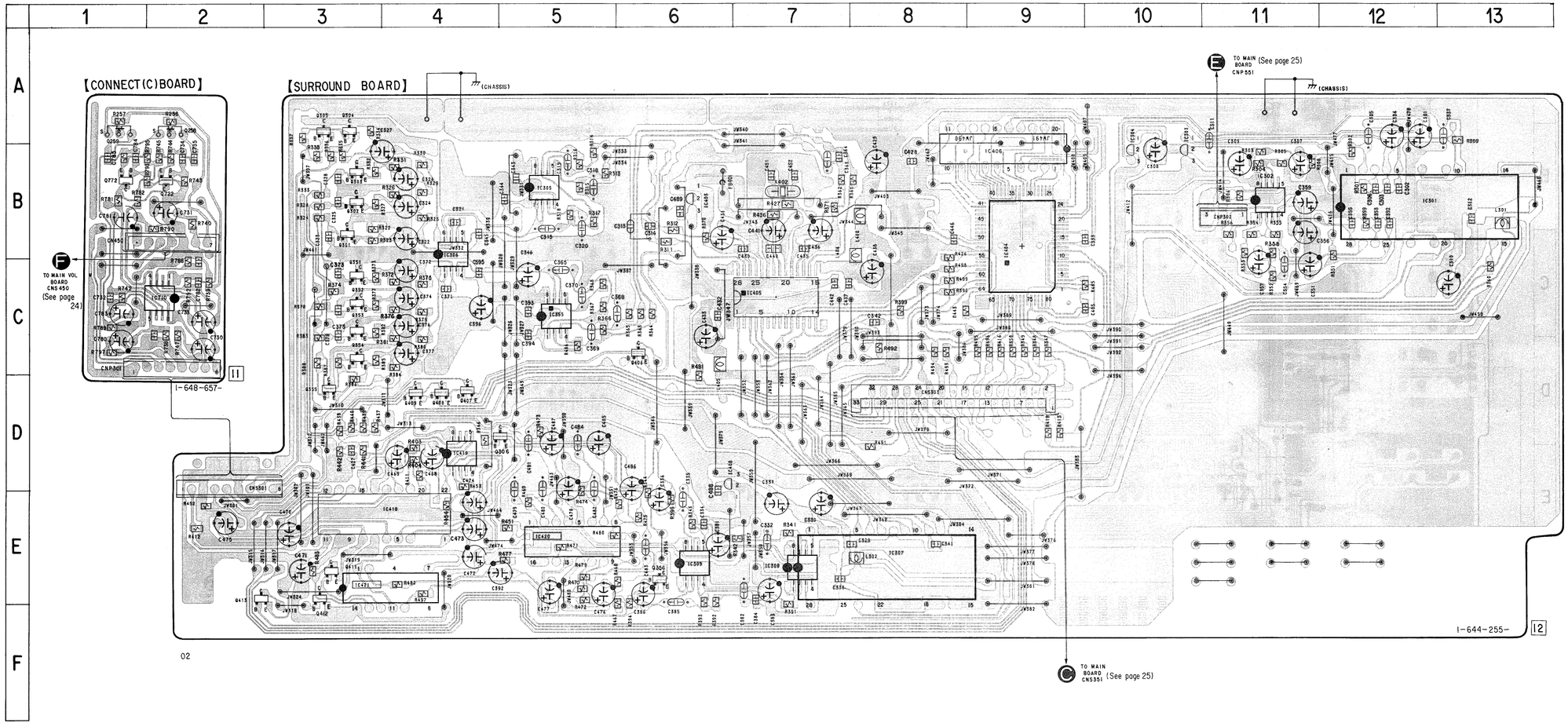


## 4-7. SCHEMATIC DIAGRAMS – DIGITAL SECTION –



## 4-8. PRINTED WIRING BOARDS – DIGITAL SECTION –

• Refer to page 12 for Semiconductor Lead Layouts.




• SEMICONDUCTOR LOCATION

| Ref. No. | Location |
|---|---|
| IC301 | B-12 |
| IC302 | B-11 |
| IC303 | B-10 |
| IC304 | B-10 |
| IC305 | B-5 |
| IC306 | B-4 |
| IC307 | E-8 |
| IC308 | E-7 |
| IC309 | E-6 |
| IC355 | C-5 |
| IC403 | B-6 |
| IC404 | B-9 |
| IC405 | C-7 |
| IC406 | B-9 |
| IC408 | D-6 |
| IC418 | E-4 |
| IC419 | D-4 |
| IC420 | E-5 |
| IC421 | E-4 |
| IC710 | C-2 |
| Q258 | A-2 |
| Q259 | A-1 |
| Q301 | B-3 |
| Q302 | B-3 |
| Q303 | B-3 |
| Q304 | A-3 |
| Q305 | A-3 |
| Q306 | D-5 |
| Q351 | C-3 |
| Q352 | C-3 |
| Q353 | C-3 |
| Q354 | C-3 |
| Q355 | D-3 |
| Q356 | E-6 |
| Q406 | C-6 |
| Q407 | D-4 |
| Q408 | D-4 |
| Q409 | D-4 |
| Q411 | E-3 |
| Q412 | E-3 |
| Q413 | E-2 |
| Q722 | B-2 |
| Q772 | B-1 |

• ○— : parts extracted from the component side.
• ●— : parts extracted from the conductor side.
• ■ : parts mounted on the conductor side.

## 4-9. PRINTED WIRING BOARDS – DISPLAY SECTION –

• Refer to page 12 for Semiconductor Lead Layouts.

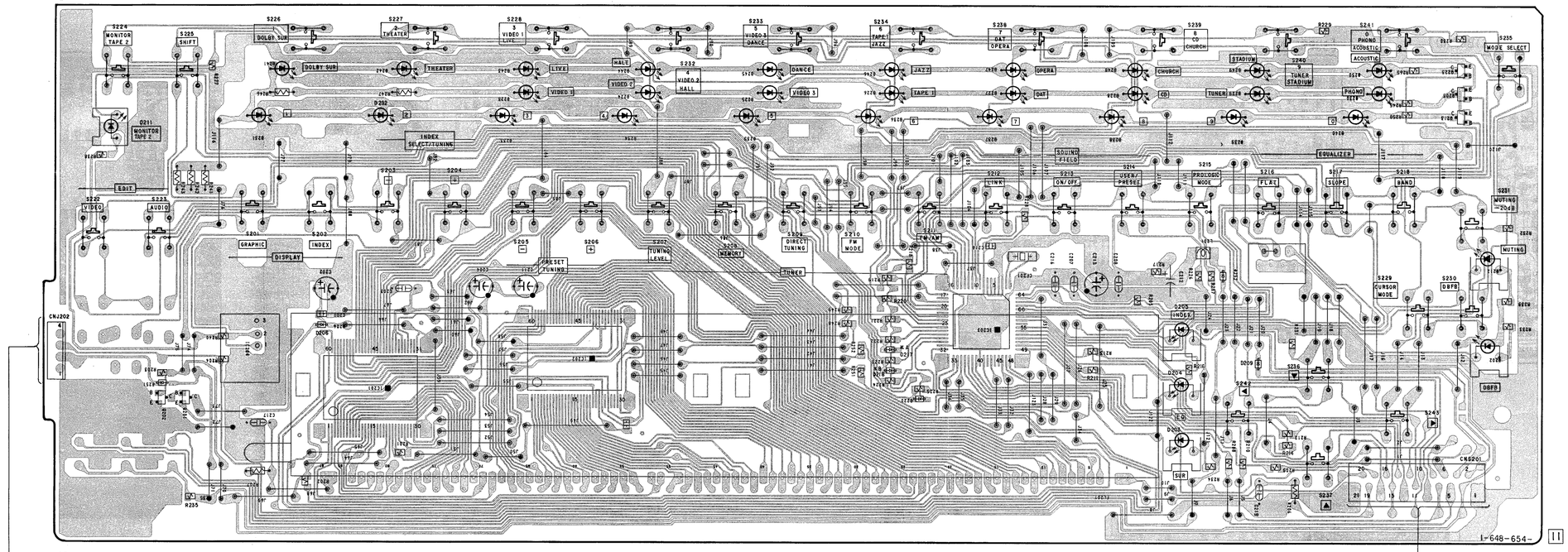
• SEMICONDUCTOR LOCATION

| Ref. No. | Location |
|---|---|
| IC201 | D-4 |
| IC202 | D-5 |
| IC203 | D-9 |
| IC204 | D-3 |
| D202 | D-13 |
| D203 | E-11 |
| D204 | D-11 |
| D205 | D-11 |
| D206 | D-3 |
| D209 | D-11 |
| D211 | B-2 |
| D212 | C-13 |
| D223 | B-5 |
| D224 | B-6 |
| D225 | B-7 |
| D226 | B-8 |
| D227 | B-9 |
| D228 | B-10 |
| D229 | B-11 |
| D230 | B-12 |
| D231 | B-3 |
| D232 | B-4 |
| D233 | B-5 |
| D234 | B-6 |
| D235 | B-7 |
| D236 | B-8 |
| D237 | B-9 |
| D238 | B-10 |
| D239 | B-11 |
| D240 | B-12 |
| D241 | A-3 |
| D242 | A-4 |
| D243 | A-5 |
| D244 | A-6 |
| D245 | A-7 |
| D246 | A-8 |
| D247 | A-9 |
| D248 | A-10 |
| D249 | A-11 |
| D250 | A-12 |
| D251 | D-2 |
| D252 | C-11 |
| Q201 | D-2 |
| Q202 | D-2 |
| Q203 | B-13 |
| Q213 | B-13 |
| Q223 | A-13 |

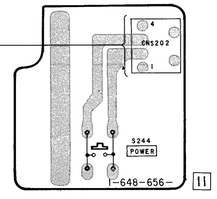
Note:

- ○— : parts extracted from the component side.
- ●— : parts extracted from the conductor side.
- ■ : parts mounted on the conductor side.

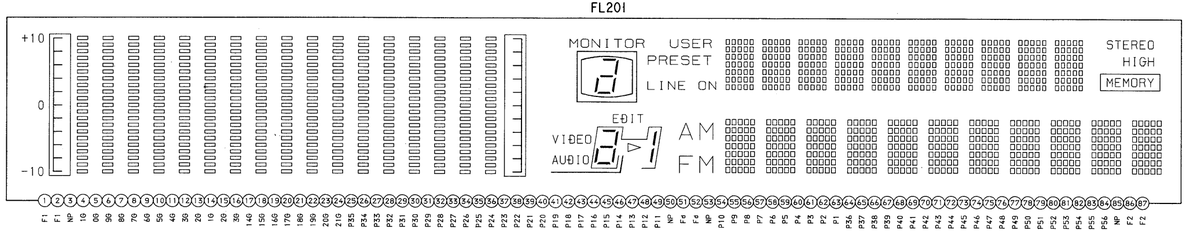
【DISPLAY BOARD】




【SYSTEM POWER BOARD】




FL201



【DISPLAY BOARD】

【SYSTEM POWER BOARD】

IC204 REMOTE CONTROL RECEIVER

IC201 T62C950RF FL DRIVE

IC202 T62C950RF FL DRIVE

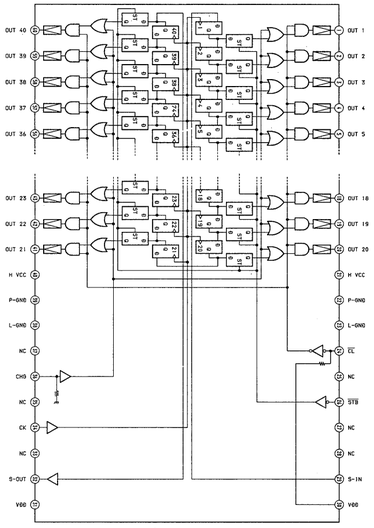
IC203 HD64357SP-A79F SYSTEM CONTROL

FL201 FLUORESCENT INDICATOR TUBE

TO MAIN BOARD CN5252 ( SEE PAGE 21 )

## ● IC BLOCK DIAGRAMS

### IC201, 202 TD62C950RF




**Note :**

- All capacitors are in μ F unless otherwise noted. pF: μ μ F 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- ▭ : nonflammable resistor.

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

- ▬▬ : B+ Line
- ▬ ▬ ▬ : B – Line
- ▭ : adjustment for repair.
- Voltage and waveforms are dc with respect to ground under no-signal ( detuned ) conditions.
- Voltages are taken with a VOM ( Input impedance 10M Ω ). Voltage variations may be noted due to normal production tolerances.
- See page 9 for ＊A, ＊B note.

# SECTION 5
# EXPLODED VIEWS

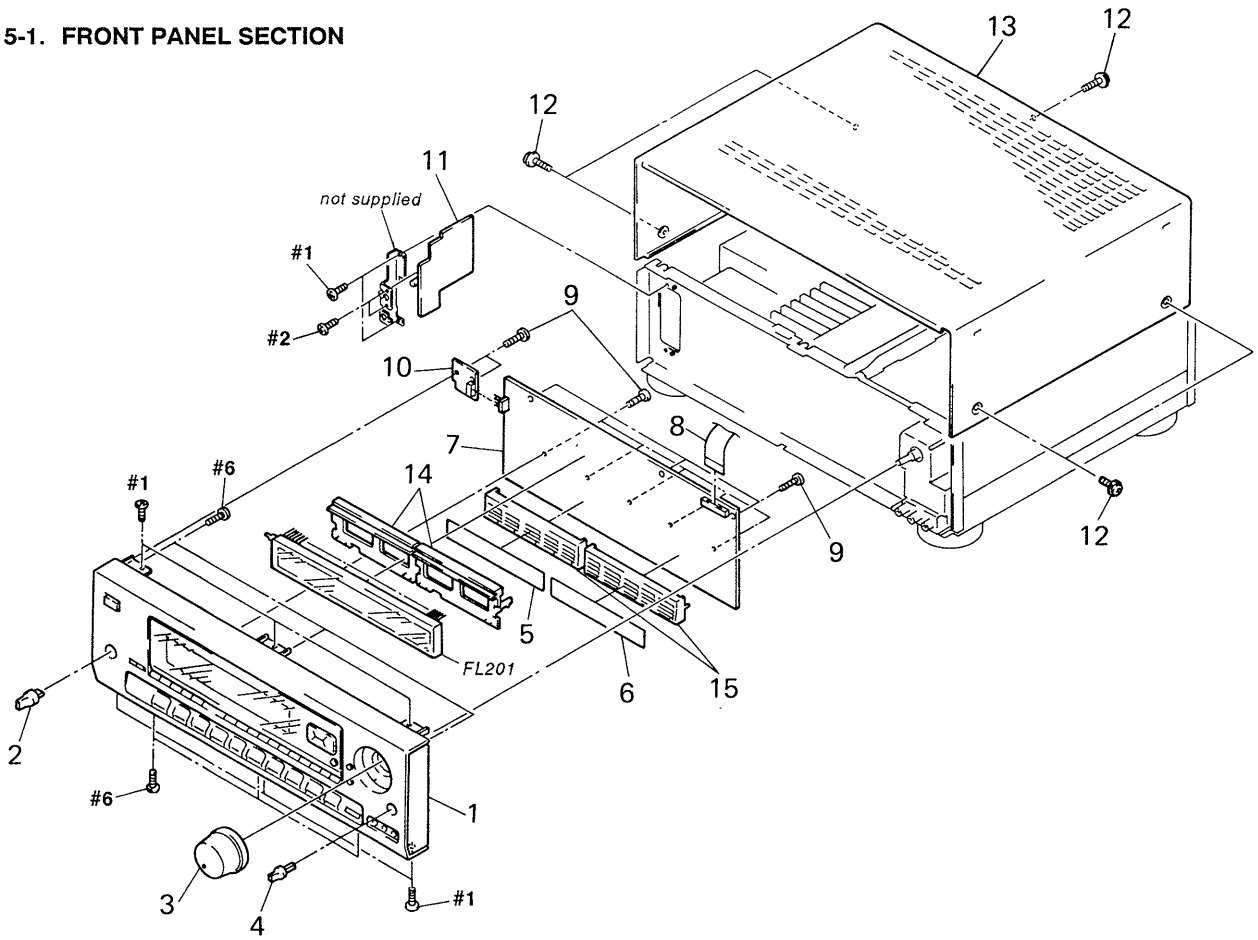
NOTE :

- -XX, -X mean standardized parts, so they may have some difference from the original one.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Color indication of Appearance Parts Example :
  KNOB, BALANCE (WHITE)....(RED)
  ↑ ↑
  Parts color Cabinet's color
- Items marked " * "are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware ( # mark)list is given in the last of this parts list.

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

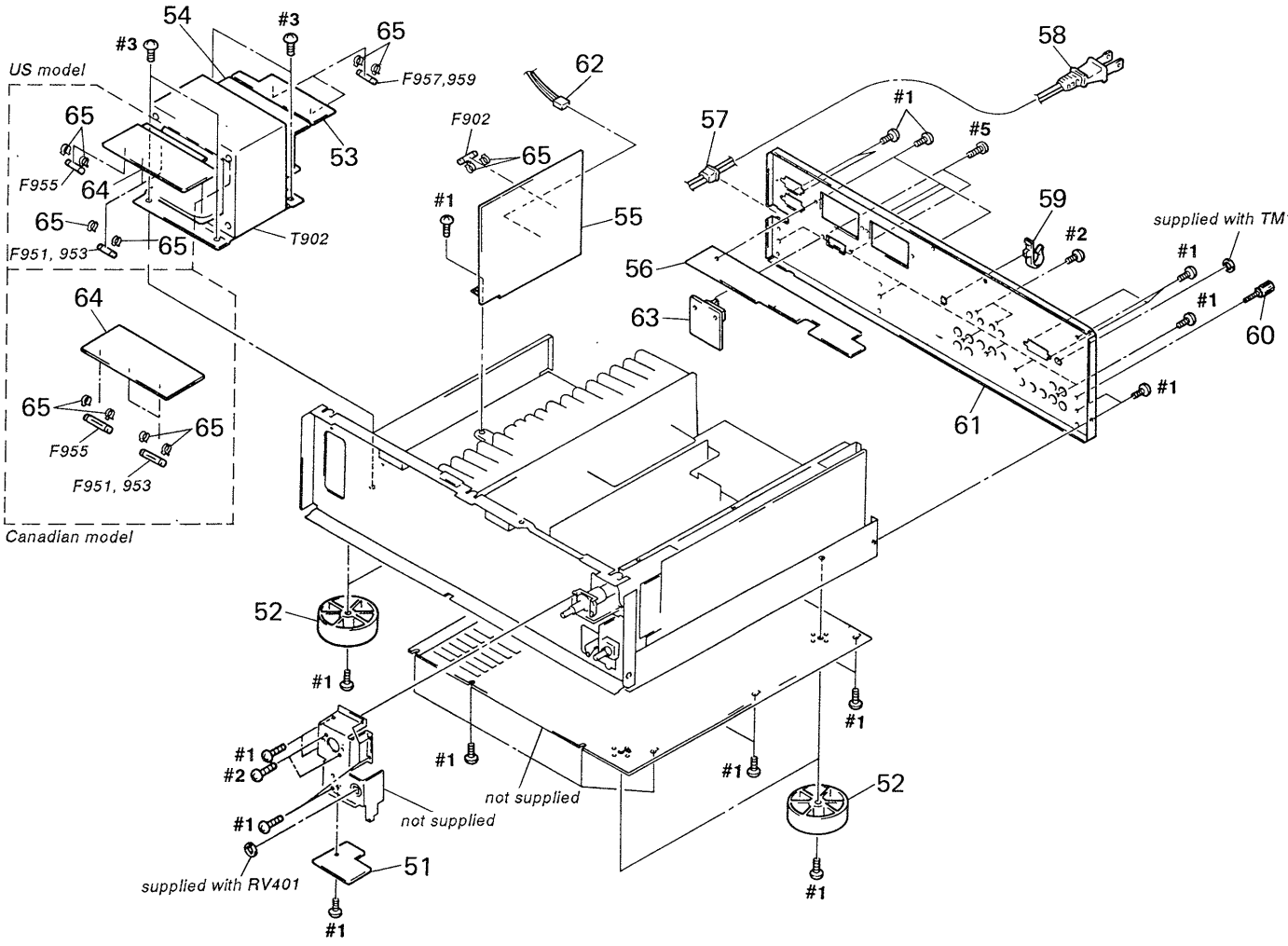
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

## 5-1. FRONT PANEL SECTION




| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 1 | X-4943-633-2 | PANEL ASSY, FRONT | |
| 2 | 4-908-097-21 | KNOB | |
| 3 | X-4943-036-1 | KNOB (48X) ASSY | |
| 4 | 4-925-014-01 | KNOB (DIA.10) | |
| * 5 | 4-954-181-01 | PLATE (F), INDICATION | |
| * 6 | 4-954-181-11 | PLATE (F), INDICATION | |
| * 7 | A-4360-647-A | DISPLAY BOARD, COMPLETE | |
| 8 | 1-690-091-11 | WIRE, FLAT TYPE (21 CORE) | |
| 9 | 4-928-635-01 | SCREW, +BV (2.6X8) TAPPING | |
| * 10 | 1-648-656-11 | SYSTEM POWER BOARD | |
| * 11 | 1-644-263-11 | SPEAKER SW BOARD | |
| 12 | 3-704-366-01 | SCREW (CASE) (M3X8) | |
| * 13 | 4-927-877-11 | CASE | |
| * 14 | 4-952-472-01 | HOLDER (S), FL TUBE | |
| * 15 | 4-952-473-01 | HOLDER (S), LED | |
| FL201 | 1-519-724-11 | INDICATOR TUBE, FLUORESCENT | |

## 5-2. CHASSIS SECTION

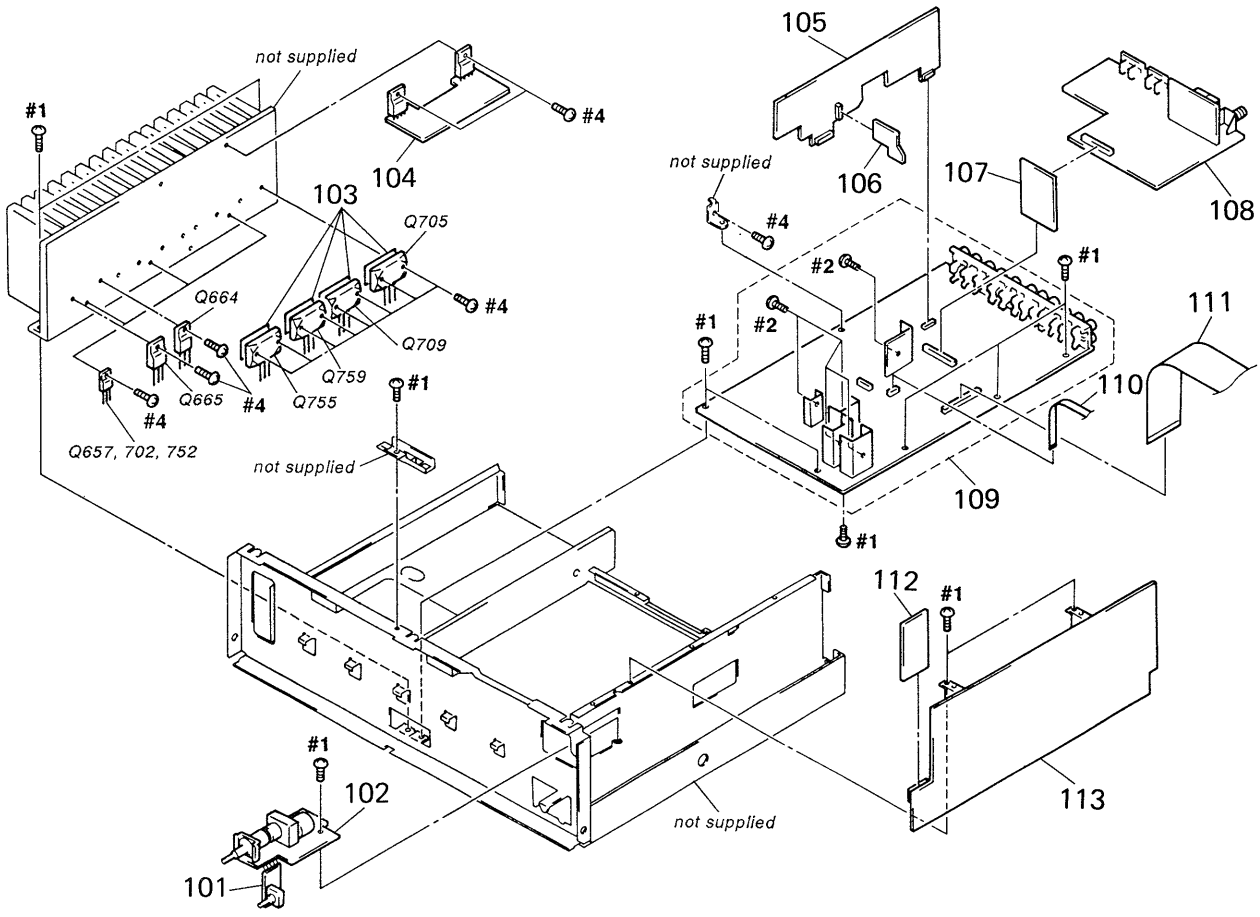



| The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified. | Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié. |
|---|---|

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| * 51 | 1-644-270-11 | FRONT VIDEO BOARD | |
| 52 | 4-956-885-01 | FOOT (F58175S2W) | |
| * 53 | 1-644-271-11 | TRANSFORMER TERMINAL(1) BOARD | |
| * 54 | 1-644-273-11 | TRANSFORMER TERMINAL(3) BOARD | |
| * 55 | A-4365-126-A | POWER SUPPLY BOARD, COMPLETE | |
| * 56 | 1-644-261-11 | SPEAKER TERMINAL BOARD | |
| * 57 | 3-703-244-00 | BUSHING (2104), CORD | |
| 58 | 1-575-975-11 | CORD, POWER | |
| * 59 | 4-949-235-01 | HOOK | |
| 60 | 4-947-010-01 | SCREW, FEEDER FIXED | |
| * 61 | 4-952-499-72 | PANEL, BACK (US) | |
| * 61 | 4-952-499-82 | PANEL, BACK (Canadian) | |
| 62 | 1-696-073-21 | LEAD (WITH CONNECTOR) (2 CORE) | |

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| * 63 | 1-647-965-11 | IMPEDANCE SELECTOR BOARD | |
| * 64 | 1-644-272-11 | TRANSFORMER TERMINAL(2) BOARD (US) | |
| * 64 | 1-645-942-11 | TRANSFORMER TERMINAL(2) BOARD (Canadian) | |
| 65 | 1-533-225-11 | HOLDER, FUSE | |
| ⚠F902 | 1-532-749-11 | FUSE, GLASS TUBE (8A/125V) | |
| ⚠F951 | 1-532-749-11 | FUSE, GLASS TUBE (8A/125V) | |
| ⚠F953 | 1-532-749-11 | FUSE, GLASS TUBE (8A/125V) | |
| ⚠F955 | 1-576-108-11 | FUSE (4A/125V) | |
| ⚠F957 | 1-576-109-11 | FUSE (5A/125V) | |
| ⚠F959 | 1-576-109-11 | FUSE (5A/125V) | |
| ⚠T902 | 1-423-643-11 | TRANSFORMER, POWER (US) | |
| ⚠T902 | 1-423-697-11 | TRANSFORMER, POWER (Canadian) | |

## 5-3. MAIN BOARD SECTION




| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| * 101 | 1-644-266-11 | BALANCE VOLUME BOARD | |
| * 102 | 1-644-265-11 | VOLUME BOARD | |
| 103 | 4-885-901-31 | SHEET, RADIATION | |
| * 104 | A-4360-930-A | REAR AMPLIFIER BOARD, COMPLETE | |
| * 105 | A-4360-931-A | A CLASS BOARD, COMPLETE | |
| * 106 | 1-644-257-11 | CONNECT (A) BOARD | |
| * 107 | 1-644-268-11 | CONNECT (B) BOARD | |
| * 108 | A-4347-954-A | TUNER VIDEO BOARD, COMPLETE | |
| * 109 | A-4360-932-A | MAIN BOARD, COMPLETE (US) | |
| * 109 | A-4360-933-A | MAIN BOARD, COMPLETE (Canadian) | |
| 110 | 1-575-848-11 | WIRE, FLAT TYPE (5 CORE) | |
| 111 | 1-696-550-11 | WIRE (FLAT TYPE) (33 CORE) | |

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| * 112 | A-4360-682-A | CONNECT (C) BOARD, COMPLETE | |
| * 113 | A-4360-681-A | SURROUND BOARD, COMPLETE | |
| Q657 | 8-729-209-15 | TRANSISTOR 2SD2012 | |
| Q664 | 8-729-321-24 | TRANSISTOR 2SA1672-OY | |
| Q665 | 8-729-321-21 | TRANSISTOR 2SC4387-OY | |
| Q702 | 8-729-209-15 | TRANSISTOR 2SD2012 | |
| Q705 | 8-729-320-96 | TRANSISTOR 2SC2921-OPY | |
| Q709 | 8-729-320-73 | TRANSISTOR 2SA1215-OY | |
| Q752 | 8-729-209-15 | TRANSISTOR 2SD2012 | |
| Q755 | 8-729-320-96 | TRANSISTOR 2SC2921-OPY | |
| Q759 | 8-729-320-73 | TRANSISTOR 2SA1215-OY | |

# SECTION 6
# ELECTRICAL PARTS LIST

**A CLASS**

NOTE :

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms
  METAL : Metal-film resistor
  METAL OXIDE : Metal oxide-film resistor
  F : nonflammable
- Items marked " * "are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- 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

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.

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

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| * | A-4360-931-A | A CLASS BOARD, COMPLETE | | | |
| | | ********** | | | |
| | | < CAPACITOR > | | | |
| C270 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V |
| C271 | 1-124-907-11 | ELECT | 10uF | 20% | 50V |
| C701 | 1-124-927-11 | ELECT | 4.7uF | 20% | 100V |
| C702 | 1-164-070-11 | CERAMIC | 100PF | 5% | 50V |
| C703 | 1-162-219-31 | CERAMIC | 68PF | 5% | 50V |
| C704 | 1-102-316-00 | CERAMIC | 15PF | 5% | 500V |
| C705 | 1-102-936-00 | CERAMIC | 3.0PF | +-0.25PF | 50V |
| C706 | 1-124-443-00 | ELECT | 100uF | 20% | 10V |
| C716 | 1-124-931-11 | ELECT | 47uF | 20% | 100V |
| C727 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V |
| C736 | 1-164-077-11 | CERAMIC | 220PF | 10% | 50V |
| C737 | 1-124-927-11 | ELECT | 4.7uF | 20% | 100V |
| C751 | 1-124-927-11 | ELECT | 4.7uF | 20% | 100V |
| C752 | 1-164-070-11 | CERAMIC | 100PF | 5% | 50V |
| C753 | 1-162-219-31 | CERAMIC | 68PF | 5% | 50V |
| C754 | 1-102-316-00 | CERAMIC | 15PF | 5% | 500V |
| C755 | 1-102-936-00 | CERAMIC | 3.0PF | +-0.25PF | 50V |
| C756 | 1-124-443-00 | ELECT | 100uF | 20% | 10V |
| C766 | 1-124-931-11 | ELECT | 47uF | 20% | 100V |
| C786 | 1-164-077-11 | CERAMIC | 220PF | 10% | 50V |
| C787 | 1-124-927-11 | ELECT | 4.7uF | 20% | 100V |
| | | < CONNECTOR > | | | |
| CNP761 | 1-691-163-11 | PIN, CONNECTOR 6P | | | |
| * CNP762 | 1-691-175-11 | CONNECTOR (BOARD TO BOARD) 5P | | | |
| CNP763 | 1-691-178-11 | CONNECTOR (BOARD TO BOARD) 8P | | | |
| * CNP764 | 1-564-508-11 | PLUG, CONNECTOR 5P | | | |
| | | < IC > | | | |
| IC701 | 8-749-921-85 | IC STK-3122-3 | | | |
| IC710 | 8-759-634-51 | IC M5218AP | | | |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| | | < TRANSISTOR > | | | |
| Q255 | 8-729-900-63 | TRANSISTOR DTA124ES | | | |
| Q256 | 8-729-900-63 | TRANSISTOR DTA124ES | | | |
| Q720 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK | | | |
| Q721 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK | | | |
| Q770 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK | | | |
| Q771 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK | | | |
| | | < RESISTOR > | | | |
| R259 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R260 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R261 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R262 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R263 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R270 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R271 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R701 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R703 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R704 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W |
| R705 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R706 | 1-247-828-11 | CARBON | 750 | 5% | 1/4W |
| R741 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R742 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R747 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W |
| R751 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R753 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R754 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W |
| R755 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R756 | 1-247-828-11 | CARBON | 750 | 5% | 1/4W |
| R791 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W |
| R792 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R797 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| ********** | | | | | |

# BALANCE VOLUME | CONNECT(A) | CONNECT(B) | CONNECT(C) | DISPLAY

| Ref.No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| * | 1-644-266-11 | BALANCE VOLUME BOARD | | | |
| | | ********** | | | |
| | | < VARIABLE RESISTOR > | | | |
| RV401 | 1-241-963-11 | RES, VAR, CARBON 100K/100K (BALANCE) | | | |
| ********** | | | | | |
| * | 1-644-257-11 | CONNECT (A) BOARD | | | |
| | | ********** | | | |
| | | < CONNECTOR > | | | |
| * CNS751 | 1-691-176-11 | CONNECTOR (BOARD TO BOARD) 6P | | | |
| * CNS761 | 1-691-176-11 | CONNECTOR (BOARD TO BOARD) 6P | | | |
| ********** | | | | | |
| * | 1-644-268-11 | CONNECT (B) BOARD | | | |
| | | ********** | | | |
| | | < CONNECTOR > | | | |
| CNP1 | 1-691-170-11 | PIN, CONNECTOR 13P | | | |
| | | < CONNECTOR > | | | |
| * CNS154 | 1-691-183-11 | CONNECTOR (BOARD TO BOARD) 13P | | | |
| ********** | | | | | |
| * | A-4360-682-A | CONNECT (C) BOARD, COMPLETE | | | |
| | | ********** | | | |
| | | < CAPACITOR > | | | |
| C730 | 1-124-927-11 | ELECT | 4.7uF | 20% | 100V |
| C731 | 1-124-927-11 | ELECT | 4.7uF | 20% | 100V |
| C732 | 1-163-109-00 | CERAMIC CHIP | 47PF | 5% | 50V |
| C733 | 1-124-927-11 | ELECT | 4.7uF | 20% | 100V |
| C734 | 1-163-989-11 | CERAMIC CHIP | 0.033uF | 10% | 25V |
| C735 | 1-164-336-11 | CERAMIC CHIP | 0.33uF | | 25V |
| C780 | 1-124-927-11 | ELECT | 4.7uF | 20% | 100V |
| C781 | 1-124-927-11 | ELECT | 4.7uF | 20% | 100V |
| C782 | 1-163-109-00 | CERAMIC CHIP | 47PF | 5% | 50V |
| C783 | 1-124-927-11 | ELECT | 4.7uF | 20% | 100V |
| C784 | 1-163-989-11 | CERAMIC CHIP | 0.033uF | 10% | 25V |
| C785 | 1-164-336-11 | CERAMIC CHIP | 0.33uF | | 25V |
| | | < CONNECTOR > | | | |
| CNP301 | 1-573-146-11 | PLUG, CONNECTOR 8P | | | |
| CNP450 | 1-691-164-11 | PIN, CONNECTOR 7P | | | |
| | | < IC > | | | |
| IC710 | 8-759-636-55 | IC M5218AFP | | | |
| | | < TRANSISTOR > | | | |
| Q258 | 8-729-201-56 | TRANSISTOR 2SK246-GR2 | | | |
| Q259 | 8-729-201-56 | TRANSISTOR 2SK246-GR2 | | | |
| Q722 | 8-729-802-80 | TRANSISTOR 2SC3661 | | | |
| Q772 | 8-729-802-80 | TRANSISTOR 2SC3661 | | | |
| | | < RESISTOR > | | | |
| R256 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R257 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R738 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R739 | 1-216-113-00 | METAL CHIP | 470K | 5% | 1/10W |
| R740 | 1-216-049-00 | METAL CHIP | 1K | 5% | 1/10W |
| R742 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R743 | 1-216-101-00 | METAL CHIP | 150K | 5% | 1/10W |
| R744 | 1-216-061-00 | METAL CHIP | 3.3K | 5% | 1/10W |
| R745 | 1-216-069-00 | METAL CHIP | 6.8K | 5% | 1/10W |
| R747 | 1-216-049-00 | METAL CHIP | 1K | 5% | 1/10W |
| R781 | 1-216-039-00 | METAL CHIP | 390 | 5% | 1/10W |
| R782 | 1-216-017-00 | METAL CHIP | 47 | 5% | 1/10W |
| R788 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R789 | 1-216-113-00 | METAL CHIP | 470K | 5% | 1/10W |
| R790 | 1-216-049-00 | METAL CHIP | 1K | 5% | 1/10W |
| R792 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R793 | 1-216-101-00 | METAL CHIP | 150K | 5% | 1/10W |
| R794 | 1-216-061-00 | METAL CHIP | 3.3K | 5% | 1/10W |
| R795 | 1-216-069-00 | METAL CHIP | 6.8K | 5% | 1/10W |
| R797 | 1-216-049-00 | METAL CHIP | 1K | 5% | 1/10W |
| ********** | | | | | |
| * | A-4360-647-A | DISPLAY BOARD, COMPLETE | | | |
| | | ********** | | | |
| | | < CAPACITOR > | | | |
| C201 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C202 | 1-124-638-11 | ELECT | 22uF | 20% | 10V |
| C203 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V |
| C204 | 1-124-916-11 | ELECT | 22uF | 20% | 63V |
| C207 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V |
| C208 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V |
| C211 | 1-124-916-11 | ELECT | 22uF | 20% | 63V |
| C212 | 1-104-905-11 | CAP, DOUBLE LAYERS | | | 0.22F |
| C213 | 1-126-154-11 | ELECT | 47uF | 20% | 6.3V |
| C216 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V |
| C217 | 1-164-097-11 | CERAMIC | 0.022uF | | 50V |
| C218 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C219 | 1-164-097-11 | CERAMIC | 0.022uF | | 50V |
| | | < FILTER > | | | |
| CF201 | 1-567-928-11 | VIBLATOR, CERAMIC (20MHz) | | | |

| Ref.No. | Part No. | Description | Remark |
|---|---|---|---|
| | | < JACK > | |
| * CNJ202 | 1-565-480-11 | CONNECTOR, BOARD TO BOARD 4P | |
| | | < CONNECTOR > | |
| * CNS201 | 1-695-382-21 | PIN, CONNECTOR (PC BOARD) 21P | |
| | | < DIODE > | |
| D202 | 8-719-313-72 | LED SEL3810A-CD (D.B.F.B) | |
| D203 | 8-719-313-72 | LED SEL3810A-CD (SURR) | |
| D204 | 8-719-313-72 | LED SEL3810A-CD (EQ) | |
| D205 | 8-719-313-72 | LED SEL3810A-CD (INDEX) | |
| D206 | 8-719-016-74 | DIODE 1SS352 | |
| D209 | 8-719-016-74 | DIODE 1SS352 | |
| D211 | 8-719-301-49 | LED SEL2810A (MONITOR TAPE2) | |
| D212 | 8-719-313-72 | LED SEL3810A-CD (MUTING) | |
| D217 | 8-719-016-74 | DIODE 1SS352 | |
| D218 | 8-719-016-74 | DIODE 1SS352 | |
| D223 | 8-719-030-50 | DIODE SEL6914W-TP6S (VIDEO 1) | |
| D224 | 8-719-030-50 | DIODE SEL6914W-TP6S (VIDEO 2) | |
| D225 | 8-719-030-50 | DIODE SEL6914W-TP6S (VIDEO 3) | |
| D226 | 8-719-030-50 | DIODE SEL6914W-TP6S (TAPE 1) | |
| D227 | 8-719-030-50 | DIODE SEL6914W-TP6S (DAT) | |
| D228 | 8-719-030-50 | DIODE SEL6914W-TP6S (CD) | |
| D229 | 8-719-030-50 | DIODE SEL6914W-TP6S (TUNER) | |
| D230 | 8-719-030-50 | DIODE SEL6914W-TP6S (PHONO) | |
| D231 | 8-719-030-50 | DIODE SEL6914W-TP6S (1) | |
| D232 | 8-719-030-50 | DIODE SEL6914W-TP6S (2) | |
| D233 | 8-719-030-50 | DIODE SEL6914W-TP6S (3) | |
| D234 | 8-719-030-50 | DIODE SEL6914W-TP6S (4) | |
| D235 | 8-719-030-50 | DIODE SEL6914W-TP6S (5) | |
| D236 | 8-719-030-50 | DIODE SEL6914W-TP6S (6) | |
| D237 | 8-719-030-50 | DIODE SEL6914W-TP6S (7) | |
| D238 | 8-719-030-50 | DIODE SEL6914W-TP6S (8) | |
| D239 | 8-719-030-50 | DIODE SEL6914W-TP6S (9) | |
| D240 | 8-719-030-50 | DIODE SEL6914W-TP6S (0) | |
| D241 | 8-719-030-50 | DIODE SEL6914W-TP6S (DOLBY SUR) | |
| D242 | 8-719-030-50 | DIODE SEL6914W-TP6S (THEATER) | |
| D243 | 8-719-030-50 | DIODE SEL6914W-TP6S (LIVE) | |
| D244 | 8-719-030-50 | DIODE SEL6914W-TP6S (HALL) | |
| D245 | 8-719-030-50 | DIODE SEL6914W-TP6S (DANCE) | |
| D246 | 8-719-030-50 | DIODE SEL6914W-TP6S (JAZZ) | |
| D247 | 8-719-030-50 | DIODE SEL6914W-TP6S (OPERA) | |
| D248 | 8-719-030-50 | DIODE SEL6914W-TP6S (CHURCH) | |
| D249 | 8-719-030-50 | DIODE SEL6914W-TP6S (STADIUM) | |
| D250 | 8-719-030-50 | DIODE SEL6914W-TP6S (ACOUSTIC) | |
| D251 | 8-719-016-74 | DIODE 1SS352 | |
| D252 | 8-719-016-74 | DIODE 1SS352 | |

| Ref.No. | Part No. | Description | Remark |
|---|---|---|---|
| | | < FILTER > | |
| FL201 | 1-519-724-11 | INDICATOR TUBE, FLUORESCENT | |
| | | < IC > | |
| IC201 | 8-759-075-35 | IC TD62C950RF | |
| IC202 | 8-759-075-35 | IC TD62C950RF | |
| IC203 | 8-759-182-69 | IC HD6433258A79F | |
| IC204 | 8-749-920-83 | IC GP1U52XB | |
| | | < COIL > | |
| L201 | 1-410-377-31 | INDUCTOR CHIP 4.7uH | |
| | | < TRANSISTOR > | |
| Q201 | 8-729-207-68 | TRANSISTOR RN2402 | |
| Q202 | 8-729-805-41 | TRANSISTOR 2SC3398 | |
| Q203 | 8-729-805-43 | TRANSISTOR 2SC3396 | |
| Q213 | 8-729-805-43 | TRANSISTOR 2SC3396 | |
| Q223 | 8-729-805-43 | TRANSISTOR 2SC3396 | |
| | | < RESISTOR > | |
| R201 | 1-216-073-00 | METAL CHIP 10K 5% 1/10W | |
| R202 | 1-216-073-00 | METAL CHIP 10K 5% 1/10W | |
| R203 | 1-216-089-00 | METAL CHIP 47K 5% 1/10W | |
| R204 | 1-216-065-00 | METAL CHIP 4.7K 5% 1/10W | |
| R205 | 1-216-065-00 | METAL CHIP 4.7K 5% 1/10W | |
| ⚠R206 | 1-249-381-11 | CARBON 1 5% 1/4W F | |
| ⚠R207 | 1-249-381-11 | CARBON 1 5% 1/4W F | |
| R208 | 1-216-049-00 | METAL CHIP 1K 5% 1/10W | |
| R209 | 1-216-049-00 | METAL CHIP 1K 5% 1/10W | |
| R210 | 1-216-049-00 | METAL CHIP 1K 5% 1/10W | |
| R211 | 1-216-049-00 | METAL CHIP 1K 5% 1/10W | |
| R212 | 1-216-049-00 | METAL CHIP 1K 5% 1/10W | |
| R213 | 1-216-049-00 | METAL CHIP 1K 5% 1/10W | |
| R214 | 1-216-049-00 | METAL CHIP 1K 5% 1/10W | |
| R216 | 1-216-049-00 | METAL CHIP 1K 5% 1/10W | |
| R217 | 1-216-001-00 | METAL CHIP 10 5% 1/10W | |
| R218 | 1-216-037-00 | METAL CHIP 330 5% 1/10W | |
| R219 | 1-216-037-00 | METAL CHIP 330 5% 1/10W | |
| R220 | 1-216-037-00 | METAL CHIP 330 5% 1/10W | |
| R221 | 1-216-037-00 | METAL CHIP 330 5% 1/10W | |
| R222 | 1-216-037-00 | METAL CHIP 330 5% 1/10W | |
| R223 | 1-216-037-00 | METAL CHIP 330 5% 1/10W | |
| R224 | 1-216-037-00 | METAL CHIP 330 5% 1/10W | |
| R225 | 1-216-037-00 | METAL CHIP 330 5% 1/10W | |
| R226 | 1-216-065-00 | METAL CHIP 4.7K 5% 1/10W | |
| R227 | 1-216-065-00 | METAL CHIP 4.7K 5% 1/10W | |
| R228 | 1-216-065-00 | METAL CHIP 4.7K 5% 1/10W | |
| R229 | 1-216-065-00 | METAL CHIP 4.7K 5% 1/10W | |
| R230 | 1-216-065-00 | METAL CHIP 4.7K 5% 1/10W | |

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

# DISPLAY | FRONT VIDEO | IMPEDANCE SELECTOR | MAIN

| Ref.No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R231 | 1-216-065-00 | METAL CHIP | 4.7K | 5% | 1/10W |
| R232 | 1-216-065-00 | METAL CHIP | 4.7K | 5% | 1/10W |
| R233 | 1-216-037-00 | METAL CHIP | 330 | 5% | 1/10W |
| R234 | 1-216-037-00 | METAL CHIP | 330 | 5% | 1/10W |
| R237 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R238 | 1-216-037-00 | METAL CHIP | 330 | 5% | 1/10W |
| R239 | 1-216-037-00 | METAL CHIP | 330 | 5% | 1/10W |
| R240 | 1-216-025-00 | METAL CHIP | 100 | 5% | 1/10W |
| ⚠R241 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W F |
| ⚠R242 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W F |
| ⚠R243 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W F |
| R245 | 1-216-001-00 | METAL CHIP | 10 | 5% | 1/10W |
| ⚠R246 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W F |
| ⚠R247 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W F |
| R248 | 1-216-049-00 | METAL CHIP | 1K | 5% | 1/10W |
| R249 | 1-216-049-00 | METAL CHIP | 1K | 5% | 1/10W |
| R250 | 1-216-033-00 | METAL CHIP | 220 | 5% | 1/10W |
| R251 | 1-216-049-00 | METAL CHIP | 1K | 5% | 1/10W |
| R252 | 1-216-049-00 | METAL CHIP | 1K | 5% | 1/10W |
| R265 | 1-216-001-00 | METAL CHIP | 10 | 5% | 1/10W |
| | | < SWITCH > | | | |
| S201 | 1-554-303-21 | SWITCH, TACTILE (DISPLAY GRAPHIC) | | | |
| S202 | 1-554-303-21 | SWITCH, TACTILE (DISPLAY INDEX) | | | |
| S203 | 1-554-303-21 | SWITCH, TACTILE (INDEX SELECT/TUNING-) | | | |
| S204 | 1-554-303-21 | SWITCH, TACTILE (INDEX SELECT/TUNING+) | | | |
| S205 | 1-554-303-21 | SWITCH, TACTILE (PRESET TUNING-) | | | |
| S206 | 1-554-303-21 | SWITCH, TACTILE (PRESET TUNING+) | | | |
| S207 | 1-554-303-21 | SWITCH, TACTILE (TUNER TUNING LEVEL) | | | |
| S208 | 1-554-303-21 | SWITCH, TACTILE (TUNER MEMORY) | | | |
| S209 | 1-554-303-21 | SWITCH, TACTILE (TUNER DIRECT TUNING) | | | |
| S210 | 1-554-303-21 | SWITCH, TACTILE (TUNER FM MODE) | | | |
| S211 | 1-554-303-21 | SWITCH, TACTILE (TUNER AM/FM) | | | |
| S212 | 1-554-303-21 | SWITCH, TACTILE (SOUND FILD LINK) | | | |
| S213 | 1-554-303-21 | SWITCH, TACTILE (SOUND FILD ON/OFF) | | | |
| S214 | 1-554-303-21 | SWITCH, TACTILE (SOUND FILD USER/PRESED) | | | |
| S215 | 1-554-303-21 | SWITCH, TACTILE (PROLOGIC MODE) | | | |
| S216 | 1-554-303-21 | SWITCH, TACTILE (EQUALIZER FLAT) | | | |
| S217 | 1-554-303-21 | SWITCH, TACTILE (EQUALIZER SLOPE) | | | |
| S218 | 1-554-303-21 | SWITCH, TACTILE (EQUALIZER BAND) | | | |
| S222 | 1-554-303-21 | SWITCH, TACTILE (EDIT VIDEO) | | | |
| S223 | 1-554-303-21 | SWITCH, TACTILE (EDIT AUDIO) | | | |
| S224 | 1-554-303-21 | SWITCH, TACTILE (MONITOR TAPE 2) | | | |
| S225 | 1-554-303-21 | SWITCH, TACTILE (SHIFT) | | | |
| S226 | 1-554-303-21 | SWITCH, TACTILE (1 DOLBY SUR) | | | |
| S227 | 1-554-303-21 | SWITCH, TACTILE (2 THEATER) | | | |
| S228 | 1-554-303-21 | SWITCH, TACTILE (3 VIDEO 1 LIVE) | | | |
| S229 | 1-554-303-21 | SWITCH, TACTILE (CURSOR MODE) | | | |
| S230 | 1-554-303-21 | SWITCH, TACTILE (D.B.F.B) | | | |

| Ref.No. | Part No. | Description | Remark |
|---|---|---|---|
| S231 | 1-554-303-21 | SWITCH, TACTILE (MUTING -20dB) | |
| S232 | 1-554-303-21 | SWITCH, TACTILE (4 VIDEO 2 HALL) | |
| S233 | 1-554-303-21 | SWITCH, TACTILE (5 VIDEO 3 DANCE) | |
| S234 | 1-554-303-21 | SWITCH, TACTILE (6 TAPE 1 JAZZ) | |
| S235 | 1-554-303-21 | SWITCH, TACTILE (MODE SELECT) | |
| S236 | 1-554-303-21 | SWITCH, TACTILE (▽) | |
| S237 | 1-554-303-21 | SWITCH, TACTILE (△) | |
| S238 | 1-554-303-21 | SWITCH, TACTILE (7 DAT OPERA) | |
| S239 | 1-554-303-21 | SWITCH, TACTILE (8 CD CHURCH) | |
| S240 | 1-554-303-21 | SWITCH, TACTILE (9 TUNER STADIUM) | |
| S241 | 1-554-303-21 | SWITCH, TACTILE (0 PHONO ACOUSTIC) | |
| S242 | 1-554-303-21 | SWITCH, TACTILE (◁) | |
| S243 | 1-554-303-21 | SWITCH, TACTILE (▷) | |
| ********** | | | |
| * | 1-644-270-11 | FRONT VIDEO BOARD | |
| | | ********** | |
| | | < CONNECTOR > | |
| * CNS153 | 1-565-482-11 | CONNECTOR, BOARD TO BOARD 6P | |
| | | < JACK > | |
| J131 | 1-580-174-31 | JACK, PIN (3P FRONT)(VIDEO 3 INPUT) | |
| ********** | | | |
| * | 1-647-965-11 | IMPEDANCE SELECTOR BOARD | |
| | | ********** | |
| | | < CONNECTOR > | |
| CNP16011 | 1-691-766-11 | PLUG (MICRO CONNECTOR) 4P | |
| * CNP16021 | 1-564-506-11 | PLUG, CONNECTOR 3P | |
| | | < TRANSISTOR > | |
| Q1701 | 8-729-620-05 | TRANSISTOR 2SC2603-EF | |
| | | < RESISTOR > | |
| R1701 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| | | < SWITCH > | |
| S602 | 1-571-083-11 | SWITCH, SLIDE (FRONT SPEAKERS IMPEDANCE SELECTOR) | |
| ********** | | | |
| * | A-4360-932-A | MAIN BOARD, COMPLETE (US) | |
| | | ********** | |
| * | A-4360-933-A | MAIN BOARD, COMPLETE (Canadian) | |
| | | ********** | |
| * | 4-904-446-01 | PLATE, GROUND | |
| * | 4-942-204-01 | PLATE, GROUND | |

| | |
|---|---|
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| Ref.No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| * | 4-880-403-11 | HEAT SINK | | | |
| * | 4-880-403-11 | HEAT SINK | | | |
| * | 3-309-144-21 | HEAT SINK | | | |
| * | 4-931-903-01 | HEAT SINK (DI) | | | |
| | 7-682-548-04 | SCREW +BVTT 3X8 (S) | | | |
| | | < CAPACITOR > | | | |
| C251 | 1-124-925-11 | ELECT | 2.2uF | 20% | 100V |
| C252 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V |
| C253 | 1-124-464-11 | ELECT | 0.22uF | 20% | 50V |
| C254 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V |
| C255 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V |
| C257 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C501 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C502 | 1-124-927-11 | ELECT | 4.7uF | 20% | 100V |
| C503 | 1-124-477-11 | ELECT | 47uF | 20% | 25V |
| C504 | 1-130-480-00 | MYLAR | 0.0056uF | 5% | 50V |
| C505 | 1-106-347-00 | MYLAR | 1500PF | 5% | 200V |
| C506 | 1-124-927-11 | ELECT | 4.7uF | 20% | 100V |
| C507 | 1-124-916-11 | ELECT | 22uF | 20% | 63V |
| C513 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C515 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C516 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C517 | 1-124-907-11 | ELECT | 10uF | 20% | 50V |
| C518 | 1-124-907-11 | ELECT | 10uF | 20% | 50V |
| C526 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V |
| C551 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C552 | 1-124-927-11 | ELECT | 4.7uF | 20% | 100V |
| C553 | 1-124-477-11 | ELECT | 47uF | 20% | 25V |
| C554 | 1-130-480-00 | MYLAR | 0.0056uF | 5% | 50V |
| C555 | 1-106-347-00 | MYLAR | 1500PF | 5% | 200V |
| C556 | 1-124-927-11 | ELECT | 4.7uF | 20% | 100V |
| C557 | 1-124-916-11 | ELECT | 22uF | 20% | 63V |
| C590 | 1-124-927-11 | ELECT | 4.7uF | 20% | 100V |
| C651 | 1-124-907-11 | ELECT | 10uF | 20% | 50V |
| C652 | 1-164-083-11 | CERAMIC | 680PF | 10% | 50V |
| C653 | 1-124-477-11 | ELECT | 47uF | 20% | 25V |
| C654 | 1-161-959-00 | CERAMIC | 22PF | 10% | 500V |
| C655 | 1-124-477-11 | ELECT | 47uF | 20% | 25V |
| C656 | 1-164-014-11 | CERAMIC | 5PF | 0.25PF | 50V |
| C657 | 1-161-959-00 | CERAMIC | 22PF | 10% | 500V |
| C658 | 1-126-022-11 | ELECT | 47uF | 20% | 10V |
| C659 | 1-136-157-00 | FILM | 0.022uF | 5% | 50V (US) |
| C659 | 1-136-161-00 | FILM | 0.047uF | 5% | 50V (CND) |
| C660 | 1-136-161-00 | FILM | 0.047uF | 5% | 50V (CND) |
| C661 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V |
| C663 | 1-164-077-11 | CERAMIC | 220PF | 10% | 50V |
| C680 | 1-124-931-11 | ELECT | 47uF | 20% | 100V |
| C707 | 1-124-477-11 | ELECT | 47uF | 20% | 25V |

| Ref.No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| C708 | 1-102-233-00 | CERAMIC | 33PF | 10% | 500V |
| C709 | 1-102-233-00 | CERAMIC | 33PF | 10% | 500V |
| C710 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V |
| C711 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V |
| C712 | 1-136-157-00 | FILM | 0.022uF | 5% | 50V (US) |
| C712 | 1-136-161-00 | FILM | 0.047uF | 5% | 50V (CND) |
| C713 | 1-136-161-00 | FILM | 0.047uF | 5% | 50V (CND) |
| C714 | 1-124-925-11 | ELECT | 2.2uF | 20% | 100V |
| C715 | 1-124-472-11 | ELECT | 470uF | 20% | 10V |
| C757 | 1-124-477-11 | ELECT | 47uF | 20% | 25V |
| C758 | 1-102-233-00 | CERAMIC | 33PF | 10% | 500V |
| C759 | 1-102-233-00 | CERAMIC | 33PF | 10% | 500V |
| C760 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V |
| C761 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V |
| C762 | 1-136-157-00 | FILM | 0.022uF | 5% | 50V (US) |
| C762 | 1-136-161-00 | FILM | 0.047uF | 5% | 50V (CND) |
| C763 | 1-136-161-00 | FILM | 0.047uF | 5% | 50V (CND) |
| C962 | 1-124-907-11 | ELECT | 10uF | 20% | 50V |
| C963 | 1-126-955-11 | ELECT | 4700uF | 20% | 35V |
| C964 | 1-124-910-11 | ELECT | 47uF | 20% | 50V |
| C965 | 1-126-955-11 | ELECT | 4700uF | 20% | 35V |
| C966 | 1-124-477-11 | ELECT | 47uF | 20% | 25V |
| C967 | 1-124-477-11 | ELECT | 47uF | 20% | 25V |
| C968 | 1-124-898-11 | ELECT | 4700uF | 20% | 16V |
| C969 | 1-124-477-11 | ELECT | 47uF | 20% | 25V |
| C971 | 1-124-667-11 | ELECT | 10uF | 20% | 100V |
| C980 | 1-106-391-12 | MYLAR | 0.1uF | 5% | 200V |
| C981 | 1-106-391-12 | MYLAR | 0.1uF | 5% | 200V |
| C982 | 1-125-752-11 | ELECT | 12000uF | 20% | 71V |
| C983 | 1-125-752-11 | ELECT | 12000uF | 20% | 71V |
| C991 | 1-164-096-11 | CERAMIC | 0.01uF | | 50V |
| C992 | 1-164-096-11 | CERAMIC | 0.01uF | | 50V |
| C993 | 1-164-096-11 | CERAMIC | 0.01uF | | 50V |
| C994 | 1-164-096-11 | CERAMIC | 0.01uF | | 50V |
| | | < FILTER > | | | |
| CF251 | 1-567-928-11 | VIBLATOR, CERAMIC (10MHz) | | | |
| | | < CONNECTOR > | | | |
| * CNP153 | 1-560-330-00 | CONNECTOR PIN (L) | | | |
| CNP154 | 1-691-170-11 | PIN, CONNECTOR 13P | | | |
| CNP251 | 1-691-767-11 | PLUG (MICRO CONNECTOR) 5P | | | |
| * CNP253 | 1-564-506-11 | PLUG, CONNECTOR 3P | | | |
| * CNP551 | 1-564-506-11 | PLUG, CONNECTOR 3P | | | |
| * CNP554 | 1-564-506-11 | PLUG, CONNECTOR 3P | | | |
| * CNP651 | 1-564-506-11 | PLUG, CONNECTOR 3P | | | |
| * CNP652 | 1-564-104-00 | PIN, CONNECTOR (B3P-VH) 3P | | | |
| * CNP653 | 1-564-509-11 | PLUG, CONNECTOR 6P | | | |
| * CNP654 | 1-564-507-11 | PLUG, CONNECTOR 4P | | | |

# MAIN

| Ref.No. | Part No. | Description | Remark |
|---|---|---|---|
| CNP751 | 1-691-163-11 | PIN, CONNECTOR 6P | |
| CNP752 | 1-691-162-11 | PIN, CONNECTOR 5P | |
| CNP753 | 1-691-165-11 | PIN, CONNECTOR 8P | |
| * CNP754 | 1-564-242-00 | PIN, CONNECTOR 5P | |
| CNP951 | 1-564-104-00 | PIN, CONNECTOR 3P | |
| CNP953 | 1-564-242-00 | PIN, CONNECTOR 5P | |
| | | < CONNECTOR > | |
| CNS252 | 1-568-838-11 | SOCKET, CONNECTOR 21P | |
| * CNS253 | 1-568-824-11 | SOCKET, CONNECTOR 5P | |
| CNS351 | 1-695-218-11 | SOCKET, CONNECTOR 33P | |
| | | < DIODE > | |
| D252 | 8-719-987-63 | DIODE 1N4148M | |
| D501 | 8-719-987-63 | DIODE 1N4148M | |
| D610 | 8-719-987-63 | DIODE 1N4148M | |
| D623 | 8-719-987-63 | DIODE 1N4148M | |
| D651 | 8-719-933-35 | DIODE HZS6A3L | |
| D652 | 8-719-987-63 | DIODE 1N4148M | |
| D654 | 8-719-815-85 | DIODE 1S1585 | |
| D705 | 8-719-987-63 | DIODE 1N4148M | |
| D715 | 8-719-815-85 | DIODE 1S1585 | |
| D716 | 8-719-815-85 | DIODE 1S1585 | |
| D718 | 8-719-987-63 | DIODE 1N4148M | |
| D720 | 8-719-987-63 | DIODE 1N4148M | |
| D723 | 8-719-987-63 | DIODE 1N4148M | |
| D730 | 8-719-987-63 | DIODE 1N4148M | |
| D731 | 8-719-987-63 | DIODE 1N4148M | |
| D765 | 8-719-815-85 | DIODE 1S1585 | |
| D766 | 8-719-815-85 | DIODE 1S1585 | |
| D963 | 8-719-002-70 | DIODE UZL-36L | |
| D970 | 8-719-312-09 | DIODE RBA-402 | |
| D971 | 8-719-312-09 | DIODE RBA-402 | |
| D973 | 8-719-987-63 | DIODE 1N4148M | |
| D980 | 8-719-302-38 | DIODE RBV-602-01 | |
| | | < IC > | |
| IC150 | 8-759-177-83 | IC HD6433258-A74F | |
| IC231 | 8-759-820-62 | IC LB1639 | |
| IC501 | 8-759-111-44 | IC uPC4570C-1 | |
| IC510 | 8-759-805-14 | IC LC7822 | |
| IC511 | 8-759-805-14 | IC LC7822 | |
| IC514 | 8-759-801-01 | IC LC4966 | |
| IC951 | 8-759-604-40 | IC M5F78M15L | |
| IC952 | 8-759-604-46 | IC M5F79M15L | |
| IC953 | 8-759-604-35 | IC M5F78M05L | |

| Ref.No. | Part No. | Description | Remark |
|---|---|---|---|
| | | < JACK > | |
| J501 | 1-691-260-11 | JACK, PIN 6P (PHONO IN/CD IN/DAT(REC OUT)) | |
| J502 | 1-691-260-11 | JACK, PIN 6P (DAT IN/TAPE 1(REC OUT/IN)) | |
| J503 | 1-691-260-11 | JACK, PIN 6P (VIDEO 2 AUDIO IN/VIDEO 1(OUT/IN)) | |
| J504 | 1-573-520-11 | JACK, PIN 4P (TAPE 2(REC OUT/IN)) | |
| | | < COIL > | |
| L602 | 1-420-872-00 | COIL, AIR CORE | |
| L701 | 1-420-872-00 | COIL, AIR CORE | |
| L751 | 1-420-872-00 | COIL, AIR CORE | |
| | | < TRANSISTOR > | |
| Q250 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| Q257 | 8-729-900-63 | TRANSISTOR DTA124ES | |
| Q501 | 8-729-620-05 | TRANSISTOR 2SC2603-EF | |
| Q502 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK | |
| Q503 | 8-729-900-61 | TRANSISTOR DTA114ES | |
| Q507 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK | |
| Q508 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK | |
| Q509 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK | |
| Q510 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK | |
| Q511 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK | |
| Q512 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK | |
| Q520 | 8-729-900-80 | TRANSISTOR DTC114ES | |
| Q521 | 8-729-900-61 | TRANSISTOR DTA114ES | |
| Q522 | 8-729-900-80 | TRANSISTOR DTC114ES | |
| Q523 | 8-729-900-61 | TRANSISTOR DTA114ES | |
| Q552 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK | |
| Q644 | 8-729-620-05 | TRANSISTOR 2SC2603-EF | |
| Q651 | 8-729-620-18 | TRANSISTOR 2SA979-FG | |
| Q652 | 8-729-620-05 | TRANSISTOR 2SC2603-EF | |
| Q653 | 8-729-140-82 | TRANSISTOR 2SA988-PAFAEA | |
| Q655 | 8-729-620-05 | TRANSISTOR 2SC2603-EF | |
| Q656 | 8-729-141-06 | TRANSISTOR 2SA1142-QPE | |
| Q657 | 8-729-209-15 | TRANSISTOR 2SD2012 | |
| Q658 | 8-729-141-05 | TRANSISTOR 2SC2682-QPE | |
| Q662 | 8-729-141-46 | TRANSISTOR 2SC4431-LK | |
| Q663 | 8-729-141-37 | TRANSISTOR 2SA1684-LK | |
| Q664 | 8-729-321-24 | TRANSISTOR 2SA1672-OY | |
| Q665 | 8-729-321-21 | TRANSISTOR 2SC4387-OY | |
| Q667 | 8-729-140-82 | TRANSISTOR 2SA988-PAFAEA | |
| Q702 | 8-729-209-15 | TRANSISTOR 2SD2012 | |
| Q704 | 8-729-141-46 | TRANSISTOR 2SC4431-LK | |
| Q705 | 8-729-320-96 | TRANSISTOR 2SC2921-OPY | |
| Q708 | 8-729-141-37 | TRANSISTOR 2SA1684-LK | |
| Q709 | 8-729-320-73 | TRANSISTOR 2SA1215-OY | |

| Ref. No. | Part No. | Description | | | | Remark |
|---|---|---|---|---|---|---|
| Q711 | 8-729-140-82 | TRANSISTOR | 2SA988-PAFAEA | | | |
| Q712 | 8-729-140-82 | TRANSISTOR | 2SA988-PAFAEA | | | |
| Q713 | 8-729-140-84 | TRANSISTOR | 2SC1841-PAFAEA | | | |
| Q714 | 8-729-620-05 | TRANSISTOR | 2SC2603-EF | | | |
| Q715 | 8-729-140-82 | TRANSISTOR | 2SA988-PAFAEA | | | |
| Q716 | 8-729-620-05 | TRANSISTOR | 2SC2603-EF | | | |
| Q752 | 8-729-209-15 | TRANSISTOR | 2SD2012 | | | |
| Q754 | 8-729-141-46 | TRANSISTOR | 2SC4431-LK | | | |
| Q755 | 8-729-320-96 | TRANSISTOR | 2SC2921-OPY | | | |
| Q758 | 8-729-141-37 | TRANSISTOR | 2SA1684-LK | | | |
| Q759 | 8-729-320-73 | TRANSISTOR | 2SA1215-OY | | | |
| Q767 | 8-729-140-82 | TRANSISTOR | 2SA988-PAFAEA | | | |
| Q768 | 8-729-140-82 | TRANSISTOR | 2SA988-PAFAEA | | | |
| Q961 | 8-729-209-15 | TRANSISTOR | 2SD2012 | | | |
| | | < RESISTOR > | | | | |
| R114 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R116 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R138 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R141 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R191 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R251 | 1-249-422-11 | CARBON | 2.7K | 5% | 1/4W | |
| R252 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | |
| R253 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R254 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R255 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W | |
| R258 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R266 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R267 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R268 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R269 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R273 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R274 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R278 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R501 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | |
| R502 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | |
| R503 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | |
| R504 | 1-249-416-11 | CARBON | 820 | 5% | 1/4W | |
| R505 | 1-247-897-11 | CARBON | 560K | 5% | 1/4W | |
| R506 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R507 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W | |
| R508 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R509 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R510 | 1-249-438-11 | CARBON | 56K | 5% | 1/4W | |
| R511 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R513 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R514 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R515 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R517 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R518 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |

| Ref. No. | Part No. | Description | | | | Remark |
|---|---|---|---|---|---|---|
| R520 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | |
| R521 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R522 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R523 | 1-249-426-11 | CARBON | 5.6K | 5% | 1/4W | |
| R524 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | |
| ⚠R526 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W | F |
| R531 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R533 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R539 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W | |
| R540 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R541 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R542 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R543 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R544 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R545 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R547 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R548 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R551 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | |
| R552 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | |
| R553 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | |
| R554 | 1-249-416-11 | CARBON | 820 | 5% | 1/4W | |
| R555 | 1-247-897-11 | CARBON | 560K | 5% | 1/4W | |
| R556 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R557 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W | |
| R558 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R559 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R560 | 1-249-438-11 | CARBON | 56K | 5% | 1/4W | |
| R561 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R563 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R564 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R565 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R567 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R568 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R571 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R574 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | |
| R589 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W | |
| R590 | 1-249-426-11 | CARBON | 5.6K | 5% | 1/4W | |
| R591 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | |
| R592 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W | |
| R593 | 1-249-426-11 | CARBON | 5.6K | 5% | 1/4W | |
| R594 | 1-249-426-11 | CARBON | 5.6K | 5% | 1/4W | |
| R595 | 1-249-426-11 | CARBON | 5.6K | 5% | 1/4W | |
| R596 | 1-249-426-11 | CARBON | 5.6K | 5% | 1/4W | |
| R597 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R598 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R599 | 1-249-426-11 | CARBON | 5.6K | 5% | 1/4W | |
| R635 | 1-260-072-11 | CARBON | 4.7 | 5% | 1/2W | |
| R644 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R650 | 1-249-434-11 | CARBON | 27K | 5% | 1/4W | |

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

# MAIN POWER SUPPLY

| Ref. No. | Part No. | Description | | | | Remark |
|---|---|---|---|---|---|---|
| R651 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R652 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W | |
| ⚠R653 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | F |
| ⚠R654 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | F |
| R655 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W | |
| R656 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R657 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R658 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W | |
| R659 | 1-249-426-11 | CARBON | 5.6K | 5% | 1/4W | |
| R662 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | |
| R663 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W | |
| R664 | 1-249-397-11 | CARBON | 22 | 5% | 1/4W | |
| ⚠R665 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W | F |
| R666 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W | |
| R667 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R668 | 1-249-414-11 | CARBON | 560 | 5% | 1/4W | |
| ⚠R669 | 1-249-397-11 | CARBON | 22 | 5% | 1/4W | F |
| ⚠R670 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W | F |
| R671 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W | |
| R672 | 1-260-076-11 | CARBON | 10 | 5% | 1/2W | |
| ⚠R675 | 1-249-389-11 | CARBON | 4.7 | 5% | 1/4W | F |
| ⚠R676 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | F |
| ⚠R677 | 1-249-389-11 | CARBON | 4.7 | 5% | 1/4W | F |
| ⚠R678 | 1-217-611-00 | RES, METAL PLATE | | | 0.1 | F |
| ⚠R679 | 1-217-611-00 | RES, METAL PLATE | | | 0.1 | F |
| ⚠R680 | 1-249-397-11 | CARBON | 22 | 5% | 1/4W | F |
| R681 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W | |
| R683 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W | |
| R692 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W | |
| R702 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| ⚠R707 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W | F |
| R708 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W | |
| R709 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| ⚠R710 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W | F |
| ⚠R711 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W | F |
| ⚠R712 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W | F |
| ⚠R713 | 1-217-611-00 | RES, METAL PLATE | | | 0.1 | F |
| ⚠R714 | 1-217-611-00 | RES, METAL PLATE | | | 0.1 | F |
| ⚠R715 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W | F |
| R725 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W | |
| R726 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R727 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W | |
| R728 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W | |
| R729 | 1-260-072-11 | CARBON | 4.7 | 5% | 1/2W | |
| R730 | 1-260-076-11 | CARBON | 10 | 5% | 1/2W | |
| R731 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R732 | 1-249-436-11 | CARBON | 39K | 5% | 1/4W | |
| R733 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R734 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R735 | 1-249-434-11 | CARBON | 27K | 5% | 1/4W | |
| ⚠R737 | 1-249-401-11 | CARBON | 47 | 5% | 1/4W | F |
| R746 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W | |
| R750 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W | |
| ⚠R757 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W | F |
| R758 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W | |
| R759 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| ⚠R760 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W | F |
| ⚠R761 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W | F |
| ⚠R762 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W | F |
| ⚠R763 | 1-217-611-00 | RES, METAL PLATE | | | 0.1 | F |
| ⚠R764 | 1-217-611-00 | RES, METAL PLATE | | | 0.1 | F |
| ⚠R765 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W | F |
| R775 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W | |
| R776 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R777 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W | |
| R778 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W | |
| R779 | 1-260-072-11 | CARBON | 4.7 | 5% | 1/2W | |
| R780 | 1-260-076-11 | CARBON | 10 | 5% | 1/2W | |
| ⚠R783 | 1-247-743-11 | CARBON | 220 | 5% | 1/2W | F |
| R785 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| ⚠R787 | 1-249-401-11 | CARBON | 47 | 5% | 1/4W | F |
| R796 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W | |
| R966 | 1-249-381-11 | CARBON | 1 | 5% | 1/4W | |
| R967 | 1-249-385-11 | CARBON | 2.2 | 5% | 1/6W | |
| ⚠R968 | 1-249-403-11 | CARBON | 68 | 5% | 1/4W | F |
| ⚠R969 | 1-249-403-11 | CARBON | 68 | 5% | 1/4W | F |
| R970 | 1-249-426-11 | CARBON | 5.6K | 5% | 1/4W | |
| ⚠R971 | 1-215-910-00 | METAL OXIDE | 68 | 5% | 3W | F |
| ⚠R972 | 1-215-910-00 | METAL OXIDE | 68 | 5% | 3W | F |
| ⚠R973 | 1-249-397-11 | CARBON | 22 | 5% | 1/4W | F |
| R1708 | 1-249-414-11 | CARBON | 560 | 5% | 1/4W | |
| R1709 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W | |
| R1758 | 1-249-414-11 | CARBON | 560 | 5% | 1/4W | |
| R1759 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W | |

< RELAY >

| | | |
|---|---|---|
| RY501 | 1-515-614-11 | RELAY |
| RY602 | 1-515-676-11 | RELAY |
| RY701 | 1-515-741-21 | RELAY |

< TEST PIN >

| | | |
|---|---|---|
| * TP701 | 1-560-062-00 | PIN, CONNECTOR 4P |
| * TP702 | 1-560-060-00 | PIN, CONNECTOR 2P |

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| | | |
|---|---|---|
| * | A-4365-126-A | POWER SUPPLY BOARD, COMPLETE |
| | | ********** |
| * | 3-309-144-21 | HEAT SINK |

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

# POWER SUPPLY | REAR AMPLIFIER

| Ref.No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| * | 4-959-363-01 | PLATE (V.D), GROUND | | | |
| | 7-682-547-09 | SCREW +BVTT 3X6 (S) | | | |
| | | < BASE POST > | | | |
| * BP901 | 1-535-139-00 | BASE POST 19MM (10MM PITCH) 2P | | | |
| | | < CAPACITOR > | | | |
| ⚠C901 | 1-161-744-00 | CERAMIC | 0.01uF | | 400V |
| C951 | 1-101-004-00 | CERAMIC | 0.01uF | | 50V |
| C952 | 1-101-004-00 | CERAMIC | 0.01uF | | 50V |
| C953 | 1-164-073-11 | CERAMIC | 100PF | 10% | 50V |
| C954 | 1-124-907-11 | ELECT | 10uF | 20% | 50V |
| C955 | 1-124-477-11 | ELECT | 47uF | 20% | 25V |
| C956 | 1-124-464-11 | ELECT | 0.22uF | 20% | 50V |
| C957 | 1-124-902-00 | ELECT | 0.47uF | 20% | 50V |
| C958 | 1-101-004-00 | CERAMIC | 0.01uF | | 50V |
| C959 | 1-124-557-11 | ELECT | 1000uF | 20% | 25V |
| C960 | 1-124-903-11 | ELECT | 1uF | 20% | 50V |
| | | < CONNECTOR > | | | |
| * CNP901 | 1-564-321-00 | PIN, CONNECTOR 2P | | | |
| CNP902 | 1-564-321-00 | PIN, CONNECTOR 2P | | | |
| | | < CONNECTOR > | | | |
| ⚠CNS901 | 1-540-060-11 | OUTLET, AC (POLAR)(AC OUTLET) | | | |
| CNS951 | 1-691-767-11 | PLUG (MICRO CONNECTOR) 5P | | | |
| | | < DIODE > | | | |
| D951 | 8-719-987-63 | DIODE | 1N4148M | | |
| D952 | 8-719-987-63 | DIODE | 1N4148M | | |
| D953 | 8-719-987-63 | DIODE | 1N4148M | | |
| D954 | 8-719-200-02 | DIODE | 10E2 | | |
| D955 | 8-719-200-02 | DIODE | 10E2 | | |
| D956 | 8-719-200-02 | DIODE | 10E2 | | |
| D957 | 8-719-200-02 | DIODE | 10E2 | | |
| D958 | 8-719-933-41 | DIODE | HZS6C3L | | |
| D959 | 8-719-985-53 | DIODE | HZS4ALL | | |
| D960 | 8-719-987-63 | DIODE | 1N4148M | | |
| D961 | 8-719-933-41 | DIODE | HZS6C3L | | |
| | | < FUSE > | | | |
| ⚠F902 | 1-532-749-11 | FUSE, GLASS TUBE (8A/125V) | | | |
| | | < TRANSISTOR > | | | |
| Q952 | 8-729-620-05 | TRANSISTOR | 2SC2603-EF | | |
| Q953 | 8-729-209-15 | TRANSISTOR | 2SD2012 | | |
| Q954 | 8-729-620-05 | TRANSISTOR | 2SC2603-EF | | |

| Ref.No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| Q955 | 8-729-119-76 | TRANSISTOR | 2SA1175-HFE | | |
| Q956 | 8-729-119-76 | TRANSISTOR | 2SA1175-HFE | | |
| Q957 | 8-729-900-63 | TRANSISTOR | DTA124ES | | |
| Q958 | 8-729-620-05 | TRANSISTOR | 2SC2603-EF | | |
| Q959 | 8-729-900-89 | TRANSISTOR | DTC144ES | | |
| | | < RESISTOR > | | | |
| ⚠R901 | 1-202-725-00 | SOLID | 3.3M | 10% | 1/2W F |
| ⚠R951 | 1-247-691-11 | 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 |
| R964 | 1-249-426-11 | CARBON | 5.6K | 5% | 1/4W |
| R965 | 1-247-895-00 | CARBON | 470K | 5% | 1/4W |
| | | < RELAY > | | | |
| RY901 | 1-515-701-11 | RELAY | | | |
| | | < TRANSFORMER > | | | |
| ⚠T901 | 1-448-517-21 | TRANSFORMER, POWER (US) | | | |
| ⚠T901 | 1-448-517-31 | TRANSFORMER, POWER (US, Canadian) | | | |
| ********** | | | | | |
| * | A-4360-930-A | REAR AMPLIFIER BOARD, COMPLETE | | | |
| | | ********** | | | |
| | | < CAPACITOR > | | | |
| C601 | 1-124-907-11 | ELECT | 10uF | 20% | 50V |
| C602 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C603 | 1-124-916-11 | ELECT | 22uF | 20% | 63V |
| C604 | 1-124-667-11 | ELECT | 10uF | 20% | 100V |
| C607 | 1-136-157-00 | FILM | 0.022uF | 5% | 50V |
| C621 | 1-124-907-11 | ELECT | 10uF | 20% | 50V |
| C622 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C623 | 1-124-916-11 | ELECT | 22uF | 20% | 63V |
| C624 | 1-124-667-11 | ELECT | 10uF | 20% | 100V |
| C627 | 1-136-157-00 | FILM | 0.022uF | 5% | 50V |
| | | < CONNECTOR > | | | |
| * CNP631 | 1-564-506-11 | PLUG, CONNECTOR 3P | | | |
| * CNP632 | 1-564-506-11 | PLUG, CONNECTOR 3P | | | |
| * CNP633 | 1-564-506-11 | PLUG, CONNECTOR 3P | | | |
| CNP634 | 1-691-767-11 | PLUG (MICRO CONNECTOR) 5P | | | |

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

# REAR AMPLIFIER | SPEAKER SW | SPEAKER TERMINAL

| Ref. No. | Part No. | Description | | | | Remark |
|---|---|---|---|---|---|---|
| | | < DIODE > | | | | |
| D620 | 8-719-987-63 | DIODE 1N4148M | | | | |
| D640 | 8-719-987-63 | DIODE 1N4148M | | | | |
| | | < IC > | | | | |
| IC601 | 8-759-085-89 | IC LM3875-S | | | | |
| IC621 | 8-759-085-89 | IC LM3875-S | | | | |
| | | < COIL > | | | | |
| L601 | 1-420-872-00 | COIL, AIR CORE | | | | |
| L621 | 1-420-872-00 | COIL, AIR CORE | | | | |
| | | < TRANSISTOR > | | | | |
| Q620 | 8-729-140-82 | TRANSISTOR 2SA988-PAFAEA | | | | |
| Q640 | 8-729-140-82 | TRANSISTOR 2SA988-PAFAEA | | | | |
| | | < RESISTOR > | | | | |
| R601 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R602 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | |
| R603 | 1-249-420-11 | CARBON | 1.8K | 5% | 1/4W | |
| R604 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | |
| R605 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W | |
| R606 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W | |
| R607 | 1-249-438-11 | CARBON | 56K | 5% | 1/4W | |
| ⚠R608 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W | F |
| R609 | 1-217-151-00 | RES, METAL PLATE | | | 0.22 | |
| R611 | 1-249-389-11 | CARBON | 4.7 | 5% | 1/4W | |
| R621 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R622 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | |
| R623 | 1-249-420-11 | CARBON | 1.8K | 5% | 1/4W | |
| R624 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | |
| R625 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W | |
| R626 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W | |
| R627 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| ⚠R628 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W | F |
| R629 | 1-217-151-00 | RES, METAL PLATE | | | 0.22 | |
| R631 | 1-249-389-11 | CARBON | 4.7 | 5% | 1/4W | |
| ⚠R691 | 1-249-401-11 | CARBON | 47 | 5% | 1/4W | F |
| ********** | | | | | | |
| * | 1-644-263-11 | SPEAKER SW BOARD | | | | |
| | | ********** | | | | |
| | | < CAPACITOR > | | | | |
| C1701 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V | |

| Ref. No. | Part No. | Description | | | | Remark |
|---|---|---|---|---|---|---|
| | | < CONNECTOR > | | | | |
| * CNP704 | 1-564-242-00 | PIN, CONNECTOR 5P | | | | |
| * CNP710 | 1-564-674-11 | PIN, CONNECTOR 8P | | | | |
| | | < JACK > | | | | |
| J703 | 1-563-347-11 | JACK, LARGE TYPE (HEADPHONES) | | | | |
| | | < RESISTOR > | | | | |
| ⚠R736 | 1-215-869-11 | METAL OXIDE | 1K | 5% | 1W | F |
| ⚠R786 | 1-215-869-11 | METAL OXIDE | 1K | 5% | 1W | F |
| | | < SWITCH > | | | | |
| S701 | 1-571-973-11 | SWITCH, ROTARY | | | | |
| ********** | | | | | | |
| * | 1-644-261-11 | SPEAKER TERMINAL BOARD | | | | |
| | | ********** | | | | |
| | | < CAPACITOR > | | | | |
| C641 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V | |
| C642 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V | |
| | | < CONNECTOR > | | | | |
| * CNP610 | 1-564-519-11 | PLUG, CONNECTOR 4P | | | | |
| * CNP611 | 1-564-104-00 | PIN, CONNECTOR (B3P-VH) 3P | | | | |
| * CNP614 | 1-564-519-11 | PLUG, CONNECTOR 4P | | | | |
| * CNP615 | 1-564-518-11 | PLUG, CONNECTOR 3P | | | | |
| * CNP715 | 1-564-674-11 | PIN, CONNECTOR 8P | | | | |
| | | < DIODE > | | | | |
| D612 | 8-719-987-63 | DIODE 1N4148M | | | | |
| | | < TRANSISTOR > | | | | |
| Q641 | 8-729-620-05 | TRANSISTOR 2SC2603-EF | | | | |
| | | < RESISTOR > | | | | |
| R643 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R1601 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| | | < RELAY > | | | | |
| RY603 | 1-515-790-11 | RELAY | | | | |
| | | < TERMINAL > | | | | |
| TM602 | 1-536-706-00 | TERMINAL BOARD (SP) (CENTER SPEAKER, REAR SPEAKER) | | | | |
| TM701 | 1-536-706-00 | TERMINAL BOARD (SP) (FRONT SPEAKER A, B) | | | | |
| ********** | | | | | | |

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

| Ref.No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| * | A-4360-681-A | SURROUND BOARD, COMPLETE | | | |
| | | ********** | | | |
| * | 4-952-472-01 | HOLDER (S), FL TUBE | | | |
| * | 4-952-473-01 | HOLDER (S), LED | | | |
| | | < CAPACITOR > | | | |
| C301 | 1-124-477-11 | ELECT | 47uF | 20% | 25V |
| C302 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C303 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C304 | 1-124-477-11 | ELECT | 47uF | 20% | 25V |
| C305 | 1-136-153-00 | FILM | 0.01uF | 5% | 50V |
| C306 | 1-164-232-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C307 | 1-124-907-11 | ELECT | 10uF | 20% | 50V |
| C308 | 1-124-477-11 | ELECT | 47uF | 20% | 25V |
| C309 | 1-124-916-11 | ELECT | 22uF | 20% | 63V |
| C310 | 1-124-916-11 | ELECT | 22uF | 20% | 63V |
| C311 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V |
| C312 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C313 | 1-164-068-11 | CERAMIC | 82PF | 5% | 50V |
| C315 | 1-130-479-00 | MYLAR | 0.0047uF | 5% | 50V |
| C318 | 1-164-057-11 | CERAMIC | 30PF | 5% | 50V |
| C319 | 1-164-057-11 | CERAMIC | 30PF | 5% | 50V |
| C320 | 1-130-472-00 | MYLAR | 0.0012uF | 5% | 50V |
| C321 | 1-163-109-00 | CERAMIC CHIP | 47PF | 5% | 50V |
| C322 | 1-124-916-11 | ELECT | 22uF | 20% | 63V |
| C323 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C324 | 1-124-907-11 | ELECT | 10uF | 20% | 50V |
| C325 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C326 | 1-124-477-11 | ELECT | 47uF | 20% | 25V |
| C327 | 1-124-916-11 | ELECT | 22uF | 20% | 63V |
| C328 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C329 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C330 | 1-124-477-11 | ELECT | 47uF | 20% | 25V |
| C331 | 1-124-477-11 | ELECT | 47uF | 20% | 25V |
| C332 | 1-130-473-00 | MYLAR | 0.0015uF | 5% | 50V |
| C333 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C334 | 1-163-001-11 | CERAMIC CHIP | 220PF | 10% | 50V |
| C335 | 1-130-478-00 | MYLAR | 0.0039uF | 5% | 50V |
| C336 | 1-124-916-11 | ELECT | 22uF | 20% | 63V |
| C337 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V |
| C342 | 1-163-117-00 | CERAMIC CHIP | 100PF | 5% | 50V |
| C343 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C344 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C345 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C346 | 1-124-478-11 | ELECT | 100uF | 20% | 25V |
| C351 | 1-124-916-11 | ELECT | 22uF | 20% | 63V |
| C352 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C353 | 1-164-232-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C354 | 1-136-153-00 | FILM | 0.01uF | 5% | 50V |
| C355 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C356 | 1-124-477-11 | ELECT | 47uF | 20% | 25V |
| C357 | 1-124-907-11 | ELECT | 10uF | 20% | 50V |
| C359 | 1-124-916-11 | ELECT | 22uF | 20% | 63V |
| C363 | 1-164-068-11 | CERAMIC | 82PF | 5% | 50V |
| C365 | 1-130-479-00 | MYLAR | 0.0047uF | 5% | 50V |
| C368 | 1-164-057-11 | CERAMIC | 30PF | 5% | 50V |
| C369 | 1-164-057-11 | CERAMIC | 30PF | 5% | 50V |
| C370 | 1-130-472-00 | MYLAR | 0.0012uF | 5% | 50V |
| C371 | 1-163-109-00 | CERAMIC CHIP | 47PF | 5% | 50V |
| C372 | 1-124-916-11 | ELECT | 22uF | 20% | 63V |
| C373 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C374 | 1-124-907-11 | ELECT | 10uF | 20% | 50V |
| C375 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C376 | 1-124-477-11 | ELECT | 47uF | 20% | 25V |
| C377 | 1-124-916-11 | ELECT | 22uF | 20% | 63V |
| C378 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C381 | 1-124-907-11 | ELECT | 10uF | 20% | 50V |
| C382 | 1-130-473-00 | MYLAR | 0.0015uF | 5% | 50V |
| C383 | 1-124-907-11 | ELECT | 10uF | 20% | 50V |
| C384 | 1-163-001-11 | CERAMIC CHIP | 220PF | 10% | 50V |
| C385 | 1-130-478-00 | MYLAR | 0.0039uF | 5% | 50V |
| C386 | 1-124-916-11 | ELECT | 22uF | 20% | 63V |
| C392 | 1-124-903-11 | ELECT | 1uF | 20% | 50V |
| C393 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C394 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C395 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C396 | 1-124-478-11 | ELECT | 100uF | 20% | 25V |
| C405 | 1-163-009-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C427 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C428 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C429 | 1-124-477-11 | ELECT | 47uF | 20% | 25V |
| C430 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C431 | 1-124-478-11 | ELECT | 100uF | 20% | 25V |
| C432 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C433 | 1-126-176-11 | ELECT | 220uF | 20% | 10V |
| C435 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C436 | 1-124-478-11 | ELECT | 100uF | 20% | 25V |
| C437 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C438 | 1-126-176-11 | ELECT | 220uF | 20% | 10V |
| C440 | 1-163-077-00 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C441 | 1-124-478-11 | ELECT | 100uF | 20% | 25V |
| C442 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C446 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C451 | 1-163-235-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C452 | 1-163-235-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C468 | 1-124-907-11 | ELECT | 10uF | 20% | 50V |
| C469 | 1-124-907-11 | ELECT | 10uF | 20% | 50V |
| C470 | 1-124-907-11 | ELECT | 10uF | 20% | 50V |

# SURROUND

| Ref.No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| C471 | 1-124-907-11 | ELECT | 10uF | 20% | 50V |
| C472 | 1-124-907-11 | ELECT | 10uF | 20% | 50V |
| C473 | 1-124-907-11 | ELECT | 10uF | 20% | 50V |
| C474 | 1-124-907-11 | ELECT | 10uF | 20% | 50V |
| C475 | 1-124-907-11 | ELECT | 10uF | 20% | 50V |
| C476 | 1-124-903-11 | ELECT | 1uF | 20% | 50V |
| C477 | 1-124-903-11 | ELECT | 1uF | 20% | 50V |
| C478 | 1-124-478-11 | ELECT | 100uF | 20% | 25V |
| C479 | 1-136-171-00 | FILM | 0.33uF | 5% | 50V |
| C480 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V |
| C481 | 1-136-159-00 | FILM | 0.033uF | 5% | 50V |
| C482 | 1-130-479-00 | MYLAR | 0.0047uF | 5% | 50V |
| C483 | 1-130-482-00 | MYLAR | 0.0082uF | 5% | 50V |
| C484 | 1-136-158-00 | FILM | 0.027uF | 5% | 50V |
| C485 | 1-124-916-11 | ELECT | 22uF | 20% | 63V |
| C486 | 1-124-478-11 | ELECT | 100uF | 20% | 25V |
| C487 | 1-124-903-11 | ELECT | 1uF | 20% | 50V |
| C488 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C489 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| | | < CONNECTOR > | | | |
| * CNP302 | 1-564-506-11 | PLUG, CONNECTOR 3P | | | |
| | | < CONNECTOR > | | | |
| * CNS301 | 1-565-484-11 | CONNECTOR, BOARD TO BOARD 8P | | | |
| CNS303 | 1-695-218-11 | SOCKET, CONNECTOR 33P | | | |
| | | < FERRITE BEAD INDUCTOR > | | | |
| FB401 | 1-410-397-21 | FERRITE BEAD INDUCTOR | 1.1uH | | |
| | | < IC > | | | |
| IC301 | 8-759-504-36 | IC | CS5339-KP | | |
| IC302 | 8-759-636-55 | IC | M5218AFP | | |
| IC303 | 8-759-708-05 | IC | NJM78L05A | | |
| IC304 | 8-759-700-65 | IC | NJM79L05A | | |
| IC305 | 8-759-636-55 | IC | M5218AFP | | |
| IC306 | 8-759-636-55 | IC | M5218AFP | | |
| IC307 | 8-759-040-59 | IC | LC7883K | | |
| IC308 | 8-759-636-55 | IC | M5218AFP | | |
| IC309 | 8-759-636-55 | IC | M5218AFP | | |
| IC355 | 8-759-636-55 | IC | M5218AFP | | |
| IC403 | 8-759-708-05 | IC | NJM78L05A | | |
| IC404 | 8-759-075-34 | IC | LC83015 | | |
| IC405 | 8-752-359-50 | IC | CXD2564AM | | |
| IC406 | 8-759-165-17 | IC | MT4C4256-8A | | |
| IC408 | 8-759-708-05 | IC | NJM78L05A | | |
| IC418 | 8-759-820-11 | IC | LC7535 | | |
| IC419 | 8-759-636-55 | IC | M5218AFP | | |
| IC420 | 8-759-823-24 | IC | LA2730 | | |
| IC421 | 8-759-801-01 | IC | LC4966 | | |
| | | < COIL > | | | |
| L301 | 1-410-377-31 | INDUCTOR CHIP | 4.7uH | | |
| L302 | 1-410-377-31 | INDUCTOR CHIP | 4.7uH | | |
| L404 | 1-410-377-31 | INDUCTOR CHIP | 4.7uH | | |
| L405 | 1-410-377-31 | INDUCTOR CHIP | 4.7uH | | |
| L406 | 1-410-377-31 | INDUCTOR CHIP | 4.7uH | | |
| L407 | 1-410-377-31 | INDUCTOR CHIP | 4.7uH | | |
| L410 | 1-410-377-31 | INDUCTOR CHIP | 4.7uH | | |
| | | < TRANSISTOR > | | | |
| Q301 | 8-729-107-46 | TRANSISTOR | 2SC3624A-L15 | | |
| Q302 | 8-729-107-46 | TRANSISTOR | 2SC3624A-L15 | | |
| Q303 | 8-729-107-46 | TRANSISTOR | 2SC3624A-L15 | | |
| Q304 | 8-729-107-46 | TRANSISTOR | 2SC3624A-L15 | | |
| Q305 | 8-729-107-46 | TRANSISTOR | 2SC3624A-L15 | | |
| Q306 | 8-729-107-46 | TRANSISTOR | 2SC3624A-L15 | | |
| Q351 | 8-729-107-46 | TRANSISTOR | 2SC3624A-L15 | | |
| Q352 | 8-729-107-46 | TRANSISTOR | 2SC3624A-L15 | | |
| Q353 | 8-729-107-46 | TRANSISTOR | 2SC3624A-L15 | | |
| Q354 | 8-729-107-46 | TRANSISTOR | 2SC3624A-L15 | | |
| Q355 | 8-729-107-46 | TRANSISTOR | 2SC3624A-L15 | | |
| Q356 | 8-729-107-46 | TRANSISTOR | 2SC3624A-L15 | | |
| Q406 | 8-729-207-68 | TRANSISTOR | RN2402 | | |
| Q407 | 8-729-207-68 | TRANSISTOR | RN2402 | | |
| Q408 | 8-729-207-68 | TRANSISTOR | RN2402 | | |
| Q409 | 8-729-207-68 | TRANSISTOR | RN2402 | | |
| Q411 | 8-729-805-45 | TRANSISTOR | 2SC3395 | | |
| Q412 | 8-729-901-06 | TRANSISTOR | DTA144EK | | |
| Q413 | 8-729-805-45 | TRANSISTOR | 2SC3395 | | |
| | | < RESISTOR > | | | |
| R301 | 1-216-085-00 | METAL CHIP | 33K | 5% | 1/10W |
| R302 | 1-216-017-00 | METAL CHIP | 47 | 5% | 1/10W |
| R303 | 1-216-025-00 | METAL CHIP | 100 | 5% | 1/10W |
| R304 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R305 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R306 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R308 | 1-216-085-00 | METAL CHIP | 33K | 5% | 1/10W |
| R309 | 1-216-113-00 | METAL CHIP | 470K | 5% | 1/10W |
| R311 | 1-216-689-11 | METAL CHIP | 39K | 0.5% | 1/10W |
| R312 | 1-216-689-11 | METAL CHIP | 39K | 0.5% | 1/10W |
| R313 | 1-216-079-00 | METAL CHIP | 18K | 5% | 1/10W |
| R314 | 1-216-079-00 | METAL CHIP | 18K | 5% | 1/10W |
| R315 | 1-216-093-00 | METAL CHIP | 68K | 5% | 1/10W |
| R316 | 1-216-093-00 | METAL CHIP | 68K | 5% | 1/10W |
| R317 | 1-216-053-00 | METAL CHIP | 1.5K | 5% | 1/10W |

| Ref.No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R318 | 1-216-053-00 | METAL CHIP | 1.5K | 5% | 1/10W |
| R322 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R323 | 1-216-062-00 | METAL CHIP | 3.6K | 5% | 1/10W |
| R324 | 1-216-065-00 | METAL CHIP | 4.7K | 5% | 1/10W |
| R325 | 1-216-061-00 | METAL CHIP | 3.3K | 5% | 1/10W |
| R326 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R327 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R328 | 1-216-065-00 | METAL CHIP | 4.7K | 5% | 1/10W |
| R329 | 1-216-055-00 | METAL CHIP | 1.8K | 5% | 1/10W |
| R330 | 1-216-049-00 | METAL CHIP | 1K | 5% | 1/10W |
| R331 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R332 | 1-216-054-00 | METAL GLAZE | 1.6K | 5% | 1/10W |
| R333 | 1-216-065-00 | METAL CHIP | 4.7K | 5% | 1/10W |
| R334 | 1-216-105-00 | METAL CHIP | 220K | 5% | 1/10W |
| R335 | 1-216-049-00 | METAL CHIP | 1K | 5% | 1/10W |
| R336 | 1-216-049-00 | METAL CHIP | 1K | 5% | 1/10W |
| R337 | 1-216-065-00 | METAL CHIP | 4.7K | 5% | 1/10W |
| R338 | 1-216-065-00 | METAL CHIP | 4.7K | 5% | 1/10W |
| R341 | 1-216-061-00 | METAL CHIP | 3.3K | 5% | 1/10W |
| R342 | 1-216-061-00 | METAL CHIP | 3.3K | 5% | 1/10W |
| R343 | 1-216-061-00 | METAL CHIP | 3.3K | 5% | 1/10W |
| R344 | 1-216-059-00 | METAL CHIP | 2.7K | 5% | 1/10W |
| R346 | 1-216-065-00 | METAL CHIP | 4.7K | 5% | 1/10W |
| R347 | 1-216-049-00 | METAL CHIP | 1K | 5% | 1/10W |
| R348 | 1-216-049-00 | METAL CHIP | 1K | 5% | 1/10W |
| R349 | 1-216-049-00 | METAL CHIP | 1K | 5% | 1/10W |
| R350 | 1-216-049-00 | METAL CHIP | 1K | 5% | 1/10W |
| R351 | 1-216-001-00 | METAL CHIP | 10 | 5% | 1/10W |
| R352 | 1-216-017-00 | METAL CHIP | 47 | 5% | 1/10W |
| R353 | 1-216-025-00 | METAL CHIP | 100 | 5% | 1/10W |
| R354 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R355 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R356 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R358 | 1-216-085-00 | METAL CHIP | 33K | 5% | 1/10W |
| R359 | 1-216-085-00 | METAL CHIP | 33K | 5% | 1/10W |
| R360 | 1-216-295-00 | METAL CHIP | 0 | 5% | 1/10W |
| R361 | 1-216-689-11 | METAL CHIP | 39K | 0.5% | 1/10W |
| R362 | 1-216-689-11 | METAL CHIP | 39K | 0.5% | 1/10W |
| R363 | 1-216-079-00 | METAL CHIP | 18K | 5% | 1/10W |
| R364 | 1-216-079-00 | METAL CHIP | 18K | 5% | 1/10W |
| R365 | 1-216-093-00 | METAL CHIP | 68K | 5% | 1/10W |
| R366 | 1-216-093-00 | METAL CHIP | 68K | 5% | 1/10W |
| R367 | 1-216-053-00 | METAL CHIP | 1.5K | 5% | 1/10W |
| R368 | 1-216-053-00 | METAL CHIP | 1.5K | 5% | 1/10W |
| R372 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R373 | 1-216-062-00 | METAL CHIP | 3.6K | 5% | 1/10W |
| R374 | 1-216-065-00 | METAL CHIP | 4.7K | 5% | 1/10W |
| R375 | 1-216-061-00 | METAL CHIP | 3.3K | 5% | 1/10W |
| R376 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |

| Ref.No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R377 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R378 | 1-216-065-00 | METAL CHIP | 4.7K | 5% | 1/10W |
| R379 | 1-216-055-00 | METAL CHIP | 1.8K | 5% | 1/10W |
| R380 | 1-216-049-00 | METAL CHIP | 1K | 5% | 1/10W |
| R381 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R382 | 1-216-054-00 | METAL GLAZE | 1.6K | 5% | 1/10W |
| R383 | 1-216-065-00 | METAL CHIP | 4.7K | 5% | 1/10W |
| R384 | 1-216-105-00 | METAL CHIP | 220K | 5% | 1/10W |
| R385 | 1-216-049-00 | METAL CHIP | 1K | 5% | 1/10W |
| R386 | 1-216-049-00 | METAL CHIP | 1K | 5% | 1/10W |
| R387 | 1-216-065-00 | METAL CHIP | 4.7K | 5% | 1/10W |
| R388 | 1-216-065-00 | METAL CHIP | 4.7K | 5% | 1/10W |
| R390 | 1-216-041-00 | METAL CHIP | 470 | 5% | 1/10W |
| R391 | 1-216-061-00 | METAL CHIP | 3.3K | 5% | 1/10W |
| R392 | 1-216-061-00 | METAL CHIP | 3.3K | 5% | 1/10W |
| R393 | 1-216-061-00 | METAL CHIP | 3.3K | 5% | 1/10W |
| R394 | 1-216-049-00 | METAL CHIP | 1K | 5% | 1/10W |
| R396 | 1-216-065-00 | METAL CHIP | 4.7K | 5% | 1/10W |
| R399 | 1-216-295-00 | METAL CHIP | 0 | 5% | 1/10W |
| R403 | 1-216-080-00 | METAL CHIP | 20K | 5% | 1/10W |
| R404 | 1-216-051-00 | METAL CHIP | 1.2K | 5% | 1/10W |
| R411 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R412 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R413 | 1-216-049-00 | METAL CHIP | 1K | 5% | 1/10W |
| R416 | 1-216-049-00 | METAL CHIP | 1K | 5% | 1/10W |
| R418 | 1-216-049-00 | METAL CHIP | 1K | 5% | 1/10W |
| R426 | 1-216-041-00 | METAL CHIP | 470 | 5% | 1/10W |
| R427 | 1-216-025-00 | METAL CHIP | 100 | 5% | 1/10W |
| R436 | 1-216-121-00 | METAL CHIP | 1M | 5% | 1/10W |
| R437 | 1-216-121-00 | METAL CHIP | 1M | 5% | 1/10W |
| R438 | 1-216-121-00 | METAL CHIP | 1M | 5% | 1/10W |
| R439 | 1-216-121-00 | METAL CHIP | 1M | 5% | 1/10W |
| R440 | 1-216-121-00 | METAL CHIP | 1M | 5% | 1/10W |
| R441 | 1-216-081-00 | METAL CHIP | 22K | 5% | 1/10W |
| R442 | 1-216-081-00 | METAL CHIP | 22K | 5% | 1/10W |
| R443 | 1-216-049-00 | METAL CHIP | 1K | 5% | 1/10W |
| R451 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R452 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R453 | 1-216-080-00 | METAL CHIP | 20K | 5% | 1/10W |
| R454 | 1-216-051-00 | METAL CHIP | 1.2K | 5% | 1/10W |
| R467 | 1-216-080-00 | METAL CHIP | 20K | 5% | 1/10W |
| R468 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R469 | 1-216-107-00 | METAL CHIP | 270K | 5% | 1/10W |
| R470 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R471 | 1-216-077-00 | METAL CHIP | 15K | 5% | 1/10W |
| R472 | 1-216-083-00 | METAL CHIP | 27K | 5% | 1/10W |
| R473 | 1-216-068-00 | METAL CHIP | 6.2K | 5% | 1/10W |
| R474 | 1-216-089-00 | METAL CHIP | 47K | 5% | 1/10W |
| R475 | 1-216-061-00 | METAL CHIP | 3.3K | 5% | 1/10W |

# SURROUND | SYSTEM POWER | TRANSFORMER TERMINAL (1) | TRANSFORMER TERMINAL (2) | TRANSFORMER TERMINAL (3) | TUNER VIDEO

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R476 | 1-216-107-00 | METAL CHIP | 270K | 5% | 1/10W |
| R477 | 1-216-081-00 | METAL CHIP | 22K | 5% | 1/10W |
| R479 | 1-216-031-00 | METAL CHIP | 180 | 5% | 1/10W |
| R480 | 1-216-075-00 | METAL CHIP | 12K | 5% | 1/10W |
| R481 | 1-216-065-00 | METAL CHIP | 4.7K | 5% | 1/10W |
| R482 | 1-216-069-00 | METAL CHIP | 6.8K | 5% | 1/10W |
| R483 | 1-216-089-00 | METAL CHIP | 47K | 5% | 1/10W |
| R485 | 1-216-295-00 | METAL CHIP | 0 | 5% | 1/10W |
| R486 | 1-216-295-00 | METAL CHIP | 0 | 5% | 1/10W |
| R491 | 1-216-049-00 | METAL CHIP | 1K | 5% | 1/10W |
| R492 | 1-216-049-00 | METAL CHIP | 1K | 5% | 1/10W |
| R493 | 1-216-049-00 | METAL CHIP | 1K | 5% | 1/10W |
| R494 | 1-216-049-00 | METAL CHIP | 1K | 5% | 1/10W |
| R495 | 1-216-049-00 | METAL CHIP | 1K | 5% | 1/10W |
| R496 | 1-216-049-00 | METAL CHIP | 1K | 5% | 1/10W |
| R497 | 1-216-049-00 | METAL CHIP | 1K | 5% | 1/10W |
| R498 | 1-216-033-00 | METAL CHIP | 220 | 5% | 1/10W |
| R499 | 1-216-041-00 | METAL CHIP | 470 | 5% | 1/10W |
| | | < CRYSTAL > | | | |
| X402 | 1-567-970-11 | VIBRATOR, CRYSTAL (24.576MHz) | | | |
| ********** | | | | | |
| * | 1-648-656-11 | SYSTEM POWER BOARD | | | |
| | | ********** | | | |
| | | < CONNECTOR > | | | |
| * CNS202 | 1-565-295-11 | PLUG, CONNECTOR 4P | | | |
| | | < SWITCH > | | | |
| S244 | 1-554-303-21 | SWITCH, TACTILE (POWER) | | | |
| ********** | | | | | |
| * | 1-644-271-11 | TRANSFORMER TERMINAL(1) BOARD | | | |
| | | ********** | | | |
| | | < CONNECTOR > | | | |
| * CNP971 | 1-564-506-11 | PLUG, CONNECTOR 3P | | | |
| CNP972 | 1-564-104-00 | PIN, CONNECTOR 3P | | | |
| CNP973 | 1-564-321-00 | PIN, CONNECTOR 2P | | | |
| | | < DIODE > | | | |
| D150 | 8-719-014-82 | DIODE UZP-6.8B | | | |
| | | < FUSE > | | | |
| ⚠F957 | 1-576-109-11 | FUSE (5A/125V) | | | |
| ⚠F959 | 1-576-109-11 | FUSE (5A/125V) | | | |
| ********** | | | | | |

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| * | 1-644-272-11 | TRANSFORMER TERMINAL(2) BOARD (US) | |
| | | ********** | |
| * | 1-645-942-11 | TRANSFORMER TERMINAL(2) BOARD (CND) | |
| | | ********** | |
| | 1-533-225-11 | HOLDER, FUSE | |
| | | < CONNECTOR > | |
| CNP970 | 1-564-242-00 | PIN, CONNECTOR 5P | |
| * CNP974 | 1-564-506-11 | PLUG, CONNECTOR 3P | |
| | | < DIODE > | |
| D966 | 8-719-987-63 | DIODE 1N4148M | |
| | | < FUSE > | |
| ⚠F951 | 1-532-749-11 | FUSE, GLASS TUBE (8A/125V) | |
| ⚠F953 | 1-532-749-11 | FUSE, GLASS TUBE (8A/125V) | |
| ⚠F955 | 1-576-108-11 | FUSE (4A/125V) | |
| | | < RELAY > | |
| RY951 | 1-515-894-11 | RELAY (US) | |
| ********** | | | |
| * | 1-644-273-11 | TRANSFORMER TERMINAL(3) BOARD | |
| | | ********** | |
| ********** | | | |
| * | A-4347-954-A | TUNER VIDEO BOARD, COMPLETE | |
| | | ********** | |
| | | < CAPACITOR > | |

| | | | | | |
|---|---|---|---|---|---|
| C1 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C2 | 1-124-477-11 | ELECT | 47uF | 20% | 25V |
| C3 | 1-161-379-00 | CERAMIC | 0.01uF | 20% | 25V |
| C4 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C5 | 1-161-379-00 | CERAMIC | 0.01uF | 20% | 25V |
| C6 | 1-161-379-00 | CERAMIC | 0.01uF | 20% | 25V |
| C11 | 1-164-097-11 | CERAMIC | 0.022uF | | 50V |
| C21 | 1-161-021-11 | CERAMIC | 0.047uF | 10% | 25V |
| C22 | 1-161-379-00 | CERAMIC | 0.01uF | 20% | 25V |
| C23 | 1-124-477-11 | ELECT | 47uF | 20% | 25V |
| C24 | 1-123-382-00 | ELECT | 3.3uF | 20% | 100V |
| C25 | 1-161-379-00 | CERAMIC | 0.01uF | 20% | 25V |
| C26 | 1-161-329-00 | CERAMIC | 0.0068uF | 30% | 16V |
| C27 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C28 | 1-124-903-11 | ELECT | 1uF | 20% | 50V |
| C30 | 1-124-903-11 | ELECT | 1uF | 20% | 50V |
| C31 | 1-124-902-00 | ELECT | 0.47uF | 20% | 50V |
| C32 | 1-124-463-00 | ELECT | 0.1uF | 20% | 50V |

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

| Ref.No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| C33 | 1-130-482-00 | MYLAR | 0.0082uF | 5% | 50V |
| C34 | 1-123-382-00 | ELECT | 3.3uF | 20% | 100V |
| C35 | 1-130-482-00 | MYLAR | 0.0082uF | 5% | 50V |
| C36 | 1-123-382-00 | ELECT | 3.3uF | 20% | 100V |
| C37 | 1-124-907-11 | ELECT | 10uF | 20% | 50V |
| C39 | 1-161-379-00 | CERAMIC | 0.01uF | 20% | 25V |
| C40 | 1-124-463-00 | ELECT | 0.1uF | 20% | 50V |
| C41 | 1-124-927-11 | ELECT | 4.7uF | 20% | 100V |
| C42 | 1-161-379-00 | CERAMIC | 0.01uF | 20% | 25V |
| C43 | 1-126-176-11 | ELECT | 220uF | 20% | 10V |
| C44 | 1-161-379-00 | CERAMIC | 0.01uF | 20% | 25V |
| C45 | 1-123-382-00 | ELECT | 3.3uF | 20% | 100V |
| C46 | 1-161-375-00 | CERAMIC | 0.0022uF | 20% | 50V |
| C48 | 1-123-382-00 | ELECT | 3.3uF | 20% | 100V |
| C49 | 1-161-375-00 | CERAMIC | 0.0022uF | 20% | 50V |
| C51 | 1-124-477-11 | ELECT | 47uF | 20% | 25V |
| C61 | 1-161-494-00 | CERAMIC | 0.022uF | | 25V |
| C63 | 1-161-494-00 | CERAMIC | 0.022uF | | 25V |
| C81 | 1-102-953-00 | CERAMIC | 18PF | 5% | 50V |
| C82 | 1-102-953-00 | CERAMIC | 18PF | 5% | 50V |
| C83 | 1-161-379-00 | CERAMIC | 0.01uF | 20% | 25V |
| C84 | 1-161-379-00 | CERAMIC | 0.01uF | 20% | 25V |
| C85 | 1-161-379-00 | CERAMIC | 0.01uF | 20% | 25V |
| C86 | 1-124-477-11 | ELECT | 47uF | 20% | 25V |
| C87 | 1-161-379-00 | CERAMIC | 0.01uF | 20% | 25V |
| C88 | 1-161-379-00 | CERAMIC | 0.01uF | 20% | 25V |
| C89 | 1-124-925-11 | ELECT | 2.2uF | 20% | 100V |
| C90 | 1-124-463-00 | ELECT | 0.1uF | 20% | 50V |
| C91 | 1-161-379-00 | CERAMIC | 0.01uF | 20% | 25V |
| C92 | 1-161-379-00 | CERAMIC | 0.01uF | 20% | 25V |
| C93 | 1-124-477-11 | ELECT | 47uF | 20% | 25V |
| C101 | 1-124-903-11 | ELECT | 1uF | 20% | 50V |
| C102 | 1-124-903-11 | ELECT | 1uF | 20% | 50V |
| C103 | 1-124-472-11 | ELECT | 470uF | 20% | 10V |
| C104 | 1-124-472-11 | ELECT | 470uF | 20% | 10V |
| C108 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V |
| C109 | 1-124-120-11 | ELECT | 220uF | 20% | 25V |
| C110 | 1-124-903-11 | ELECT | 1uF | 20% | 50V |
| | | < FILTER > | | | |
| CF1 | 1-567-389-11 | FILTER, CERAMIC | | | |
| CF2 | 1-567-389-11 | FILTER, CERAMIC | | | |
| CF21 | 1-577-075-11 | OSCILLATOR, CERAMIC | | | |
| | | < COMPOSITION CIRCUIT BLOCK > | | | |
| CFT21 | 1-404-853-11 | TRANSFORMER, IF(CERAMIC FILTER) | | | |

| Ref.No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| | | < CONNECTOR > | | | |
| * CNS1 | 1-691-183-11 | CONNECTOR (BOARD TO BOARD) 13P | | | |
| | | < FRONT END > | | | |
| FE1 | 1-693-201-11 | FRONT END, FM | | | |
| FE61 | 1-236-461-11 | ENCAPSULATED COMPONENT | | | |
| | | < IC > | | | |
| IC10 | 8-759-821-45 | IC LA1851N | | | |
| IC11 | 8-759-820-91 | IC LC7218 | | | |
| IC101 | 8-759-061-95 | IC SN761200N | | | |
| | | < JACK > | | | |
| J101 | 1-568-751-51 | JACK, PIN (2P SHIELD TYPE) (MONITOR VIDEO OUT/VIDEO 1 VIDEO IN) | | | |
| J102 | 1-568-751-51 | JACK, PIN (2P SHIELD TYPE) (VIDEO 1 VIDEO OUT/VIDEO 2 VIDEO IN) | | | |
| | | < COIL > | | | |
| L1 | 1-410-521-11 | INDUCTOR 100uH | | | |
| L21 | 1-410-171-11 | INDUCTOR 1mH | | | |
| | | < FILTER > | | | |
| LPF21 | 1-235-221-00 | FILTER, LOW PASS | | | |
| | | < TRANSISTOR > | | | |
| Q1 | 8-729-230-99 | TRANSISTOR 2SC2669-OY | | | |
| Q2 | 8-729-230-99 | TRANSISTOR 2SC2669-OY | | | |
| Q21 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | |
| Q22 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | |
| Q23 | 8-729-900-61 | TRANSISTOR DTA114ES | | | |
| Q24 | 8-729-900-36 | TRANSISTOR DTC124ES | | | |
| Q25 | 8-729-900-36 | TRANSISTOR DTC124ES | | | |
| Q81 | 8-729-900-61 | TRANSISTOR DTA114ES | | | |
| Q82 | 8-729-900-36 | TRANSISTOR DTC124ES | | | |
| Q83 | 8-729-202-67 | TRANSISTOR 2SK246-GR3 | | | |
| Q84 | 8-729-230-93 | TRANSISTOR 2SC3113-AB | | | |
| Q101 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | | |
| Q102 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | | |
| | | < RESISTOR > | | | |
| ⚠R1 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W F |
| R3 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W |
| R4 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W |
| R5 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W |
| R6 | 1-249-432-11 | CARBON | 18K | 5% | 1/4W |
| R7 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W |

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

# TUNER VIDEO VOLUME

| Ref. No. | Part No. | Description | | | | Remark |
|---|---|---|---|---|---|---|
| R8 | 1-249-414-11 | CARBON | 560 | 5% | 1/4W | |
| R9 | 1-249-434-11 | CARBON | 27K | 5% | 1/4W | |
| ⚠R21 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W | F |
| R22 | 1-249-428-11 | CARBON | 8.2K | 5% | 1/4W | |
| R23 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R24 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W | |
| R25 | 1-249-428-11 | CARBON | 8.2K | 5% | 1/4W | |
| R27 | 1-249-432-11 | CARBON | 18K | 5% | 1/4W | |
| R28 | 1-249-423-11 | CARBON | 3.3K | 5% | 1/4W | |
| R29 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R31 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R32 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R33 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R35 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R37 | 1-247-891-00 | CARBON | 330K | 5% | 1/4W | |
| R39 | 1-249-423-11 | CARBON | 3.3K | 5% | 1/4W | |
| R40 | 1-249-420-11 | CARBON | 1.8K | 5% | 1/4W | |
| R41 | 1-249-426-11 | CARBON | 5.6K | 5% | 1/4W | |
| R42 | 1-247-891-00 | CARBON | 330K | 5% | 1/4W | |
| R44 | 1-249-423-11 | CARBON | 3.3K | 5% | 1/4W | |
| R45 | 1-249-420-11 | CARBON | 1.8K | 5% | 1/4W | |
| R46 | 1-249-426-11 | CARBON | 5.6K | 5% | 1/4W | |
| ⚠R47 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | F |
| R61 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | |
| R62 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R63 | 1-249-397-11 | CARBON | 22 | 5% | 1/4W | |
| R64 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R70 | 1-249-423-11 | CARBON | 3.3K | 5% | 1/4W | |
| R71 | 1-249-414-11 | CARBON | 560 | 5% | 1/4W | |
| R72 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R73 | 1-249-410-11 | CARBON | 270 | 5% | 1/4W | |
| R74 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R75 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R76 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R77 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W | |
| R78 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| ⚠R79 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W | F |
| R81 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R82 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R83 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R84 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R85 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R86 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R87 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R88 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R89 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R91 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| ⚠R92 | 1-249-401-11 | CARBON | 47 | 5% | 1/4W | F |
| R101 | 1-247-804-11 | CARBON | 75 | 5% | 1/4W | |

| Ref. No. | Part No. | Description | | | | Remark |
|---|---|---|---|---|---|---|
| R102 | 1-247-804-11 | CARBON | 75 | 5% | 1/4W | |
| R103 | 1-247-804-11 | CARBON | 75 | 5% | 1/4W | |
| R104 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R105 | 1-247-804-11 | CARBON | 75 | 5% | 1/4W | |
| R106 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R109 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W | |
| R110 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W | |
| R113 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W | |
| R114 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W | |
| R115 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W | |
| R116 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W | |
| R117 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W | |
| R129 | 1-247-804-11 | CARBON | 75 | 5% | 1/4W | |
| | | < VARIABLE RESISTOR > | | | | |
| RV21 | 1-241-628-11 | RES, ADJ, CARBON 2.2K (FM STEREO SEPARATION) | | | | |
| RV22 | 1-241-631-11 | RES, ADJ, CARBON 22K (AM TUNING LEVEL) | | | | |
| RV24 | 1-241-631-11 | RES, ADJ, CARBON 22K (FM TUNING LEVEL) | | | | |
| RV25 | 1-241-631-11 | RES, ADJ, CARBON 22K (AUTO STOP LEVEL) | | | | |
| | | < TRANSFORMER > | | | | |
| T21 | 1-404-807-11 | TRANSFORMER, DISCRIMINATOR | | | | |
| | | < TERMINAL > | | | | |
| * TM1 | 1-562-907-11 | CONNECTOR, F-J | | | | |
| TM2 | 1-536-707-00 | TERMINAL BOARD, PUSH 2P | | | | |
| | | < TEST PIN > | | | | |
| * TP1 | 1-560-060-00 | PIN, CONNECTOR 2P | | | | |
| | | < CRYSTAL > | | | | |
| XT81 | 1-579-585-11 | VIBRATOR, CRYSTAL (7.2MHz) | | | | |
| ********** | | | | | | |
| * | 1-644-265-11 | VOLUME BOARD | | | | |
| | | ********** | | | | |
| | | < CAPACITOR > | | | | |
| C401 | 1-124-903-11 | ELECT | 1uF | 20% | 50V | |
| C402 | 1-124-903-11 | ELECT | 1uF | 20% | 50V | |
| | | < CONNECTOR > | | | | |
| CNP451 | 1-691-769-11 | PLUG (MICRO CONNECTOR) 7P | | | | |
| | | < CONNECTOR > | | | | |
| * CNS450 | 1-691-177-11 | CONNECTOR (BOARD TO BOARD) 7P | | | | |
| * CNS453 | 1-568-824-11 | SOCKET, CONNECTOR 5P | | | | |

| | |
|---|---|
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| Ref.No. | Part No. | Description | Remark |
|---|---|---|---|
| | | < RESISTOR > | |
| R401 | 1-249-407-11 | CARBON 150 5% 1/4W | |
| | | < VARIABLE RESISTOR > | |
| RV402 | 1-241-563-11 | RES, VAR, CARBON 100KX4 (MASTER VOLUME) | |
| | | ********** | |
| | | MISCELLANEOUS | |
| | | ********** | |
| 8 | 1-690-091-11 | WIRE, FLAT TYPE (21 CORE) | |
| 58 | 1-575-975-11 | CORD, POWER | |
| 62 | 1-696-073-21 | LEAD (WITH CONNECTOR) (2 CORE) | |
| 110 | 1-575-848-11 | WIRE, FLAT TYPE (5 CORE) | |
| 111 | 1-696-550-11 | WIRE (FLAT TYPE) (33 CORE) | |
| ⚠T902 | 1-423-643-11 | TRANSFORMER, POWER (US) | |
| ⚠T902 | 1-423-697-11 | TRANSFORMER, POWER (Canadian) | |
| | | ********** | |
| | | ACCESSORIES & PACKING MATERIALS | |
| | | ********** | |
| | 1-467-033-11 | COMMANDER, STANDARD (RM-P331) (Canadian) | |
| | 1-501-374-11 | ANTENNA, LOOP | |
| | 1-693-099-11 | COMMANDER, STANDARD (RM-U221) (US) | |
| | 3-757-058-21 | MANUAL, INSTRUCTION (ENGLISH) | |
| | 3-757-058-31 | MANUAL, INSTRUCTION (FRENCH) (Canadian) | |
| | 4-925-079-01 | COVER (6), BATTERY | |
| * | 4-927-854-03 | CUSHION | |
| * | 4-959-991-01 | INDIVIDUAL CARTON | |
| | | ********** | |
| | | ********** | |
| | | **HARDWARE LIST** | |
| | | ********** | |
| #1 | 7-685-646-79 | SCREW +BTP 3X8 TYPE2 N-S | |
| #2 | 7-682-547-09 | SCREW +BVTT 3X6 (S) | |
| #3 | 7-682-561-04 | SCREW +BVTT 4X8 (S) | |
| #4 | 7-685-648-79 | SCREW +BVTP 3X12 TYPE2 IT-3 | |
| #5 | 7-621-775-00 | SCREW +B 2.6X3 | |
| #6 | 7-682-548-04 | SCREW +BVTT 3X8 (S) | |

| | |
|---|---|
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Audio Group



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# STR-D1011

SONY

# SERVICE MANUAL

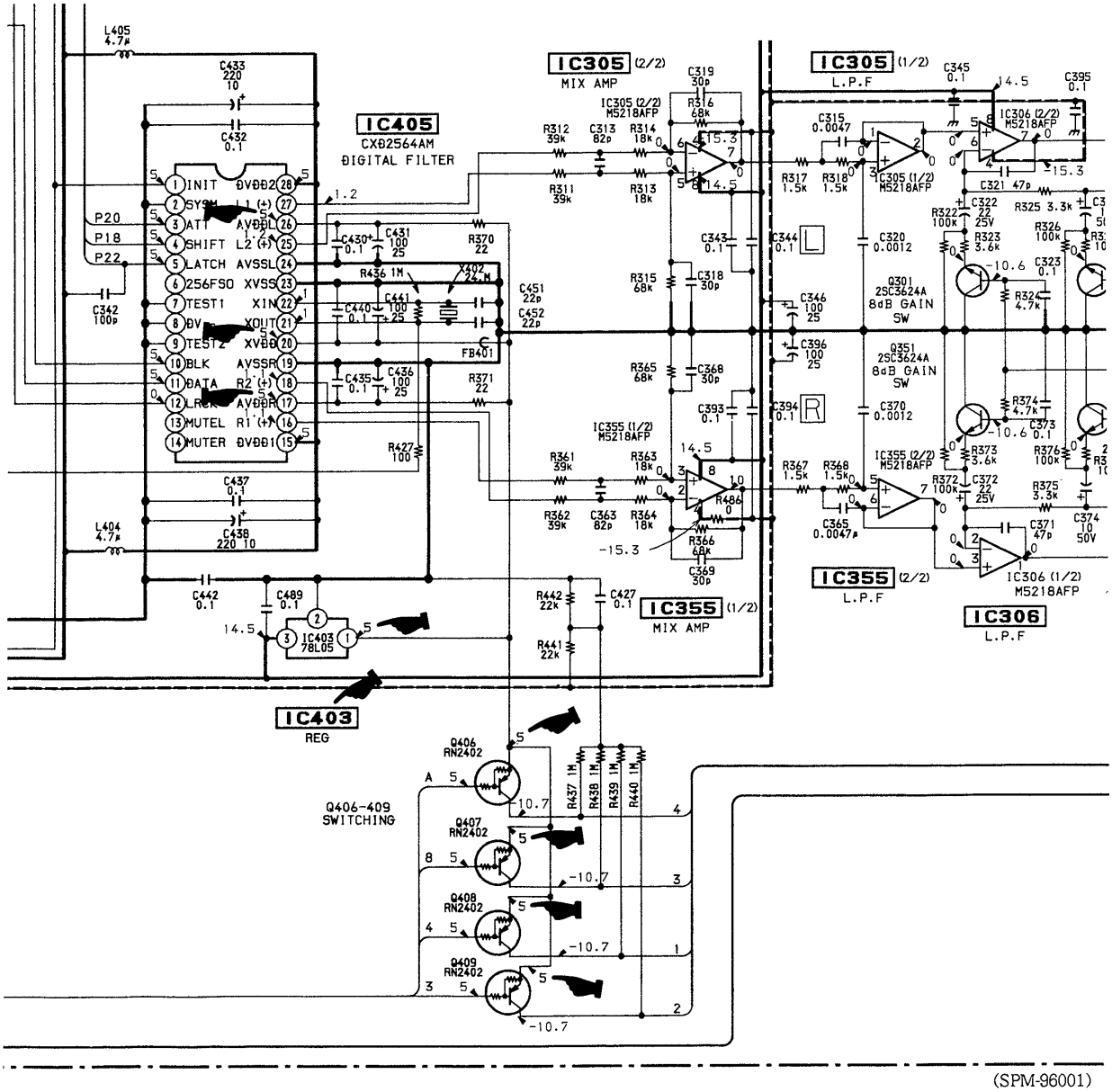
*US Model*
*Canadian Model*

## CORRECTION-1

Correct your service manual as shown below.

Page 31

: Indicates corrected portion.

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**Home A&V Products Div.**

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