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## Technical Document Distribution

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<b>Brand:</b>	<b>Ibanez</b>
<b>Model</b>	<b>SDR1000</b>
<b>Product:</b>	<b>Stereo Digital Reverb</b>
<b>Description:</b>	<b>Service Manual</b>

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NOTE: Large original over-sized drawings will need to be taped together. We feel this is better than reducing them and losing fine details.

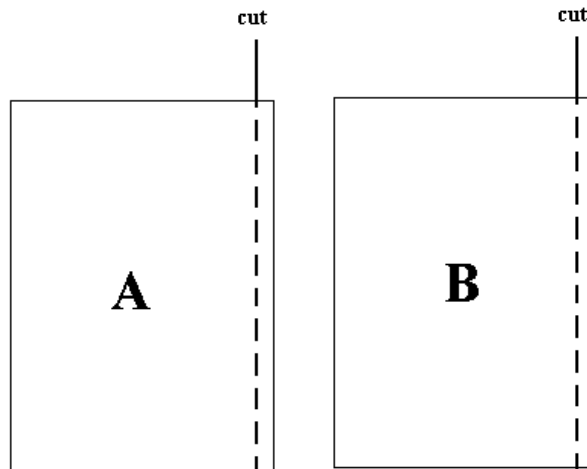
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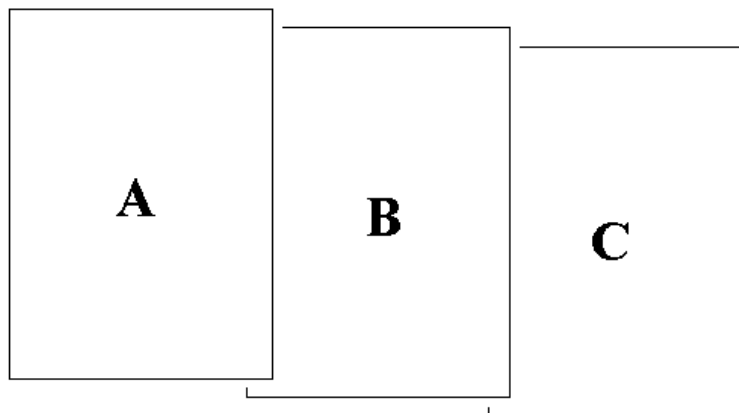
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## Pasteup Guide



**It's ok to slightly cut into the black print, as documents contain an intentional extended overlapping printed area.**



**Only one trim cut per page is needed, then overlay as shown and tape.**




# SERVICE MANUAL

## STEREO DIGITAL REVERB SDR1000


### SPECIFICATIONS

■ Factory Program .....	(ROM) 30
■ User Program .....	(RAM) 70
■ Parameters .....	REV. T/PRE-DELAY/E. REF. T/E. REF. LEV/RT. HIGH/ SIZE/GATE T/F. B. LEV/TAP/DEPTH/SPEED/EFF. LEV LOW/L. MID/H. MID/HIGH PROG. NO/MEMORY/MIDI CH
EQ .....	
MIDI .....	
■ Remote Control	
Memory Up .....	Phone Jack (FS1M)
Memory Down .....	Phone Jack (FS1M)
Effect ON/OFF .....	Phone Jack (FS1M)
Hold ON/OFF .....	Phone Jack (FS1M)
Remote .....	DIN 6P (IFC 60)
MIDI IN .....	DIN 5P
■ MIDI Remote Control .....	Program change OMNI ON/OFF
■ Displays	
FL .....	8 digit, 8 segment
LED .....	Input level indicator/Stereo 7 segment/Channel
LED .....	5 FUNCTION KEYS, 14 PARAMETER KEYS, and BYPASS
■ Level Control .....	Input level control/Stereo
Dry .....	Direct signal output level control
Effect .....	Processed signal output level control
■ BYPASS .....	ON/OFF (Power OFF: BYPASS ON)
■ Frequency Response	
Direct .....	20 – 20 kHz
Effect .....	20 – 10 kHz
■ Dynamic Range .....	More than 90 dB
■ Total Harmonic Distortion .....	Less than 0.03%
■ Digital Cording .....	16 bit linear PCM
■ Sampling Rate .....	26 kHz
■ Equalizer	
Low .....	100 Hz -12 ~ +12 dB
L. Mid .....	400 Hz -12 ~ +12 dB
H. Mid .....	1.6 kHz -12 ~ +12 dB
High .....	6.4 kHz -12 ~ +12 dB
■ Audio Input .....	Phone Jack x 2, RCA Pin Jack x 2
Input Level .....	-20, +4 dBv
Input Impedance .....	10 kohms
■ Audio Output .....	Phone Jack x 2, RCA Pin Jack x 2
Output Level .....	-20, +4 dBv
Output Impedance .....	600 ohms
■ Power .....	J Model; 50, 60 Hz 100 V AC US, CA Model; 60 Hz 120 V AC AE Model; 50, 60 Hz 220 V AC Other countries; 50, 60 Hz 240 V AC (220 V AC set by internal switch)
■ Power Consumption .....	J Model; 20 W Other countries; 28 W
■ Dimension .....	482 (W) x 44 (H) x 320 (D) mm
■ Weight .....	4.5 kg

#### SAFETY-RELATED COMPONENT WARNING!!

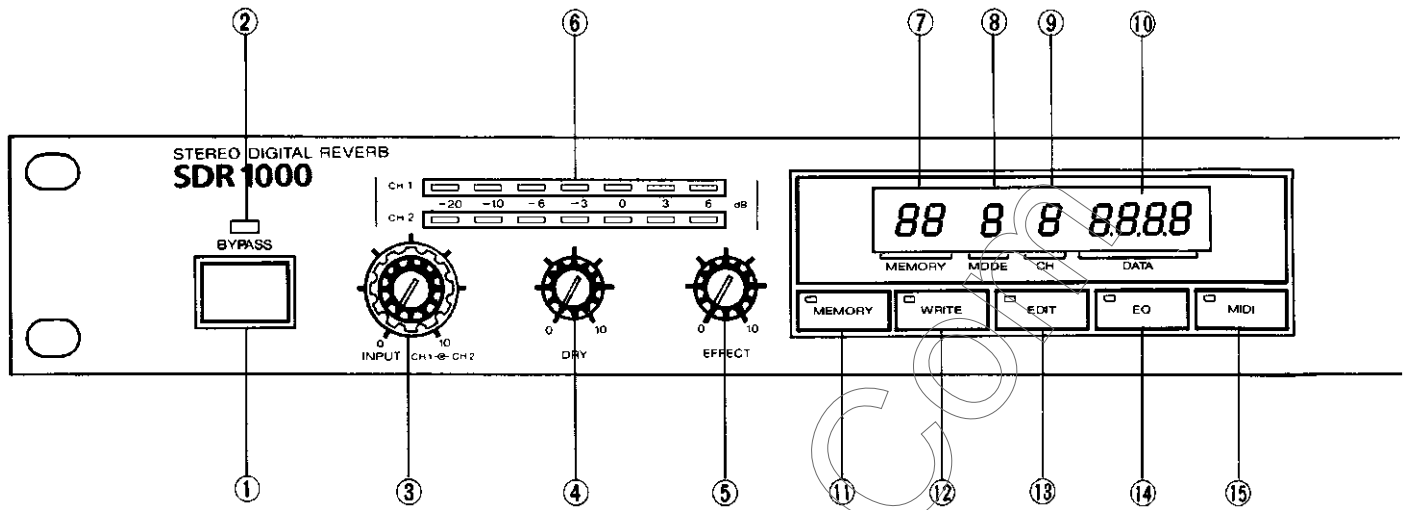
COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH IBANEZ PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY IBANEZ.

#### ATTENTION AU COMPOSANT AYANT RAPPORT A LA SÉCURITÉ!

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

## OPERATIVE DESCRIPTIONS

### a) Front Panel



#### ① BYPASS SWITCH

This switch is used to turn the reverb effect on and off.

#### ② BYPASS LED

This LED lights when the unit is in bypass (reverb effect off).

#### ③ INPUT LEVEL

This controls the level of input signal going into the unit. It is a "concentric" control. That is, the knob is "split" into separate "outer" and "inner" sections. The outer knob controls the input level of Channel 1, and the inner knob controls the input level of Channel 2. For both knobs, clockwise rotations increase the input level. If you wish to adjust both channels at the same levels, match the markers on both knobs.

#### ④ DRY LEVEL

This controls the amount of "dry", or unprocessed signal that appears in the output signal, when the reverb effect is on. Clockwise rotations increase the amount of dry signal. When the reverb effect is off, it has no effect on the output level. DRY LEVEL is used along with 5) EFFECT LEVEL to control the mix of dry and effect signals in the output signal.

#### ⑤ EFFECT LEVEL

This controls the amount of "effect", or processed signal that appears in the output signal, when the reverb effect is on. Clockwise rotations increase the amount of effect signal. When the reverb effect is off, it has no effect on the output level. EFFECT LEVEL is used along with 4) DRY LEVEL to control the mix of dry and effect signals in the output signal.

#### ⑥ INPUT LEVEL LEDS

These LEDs are used along with 3) INPUT LEVEL to adjust the optimum input level. The LEDs are labelled in "dB" levels, with "0 dB" representing the optimum input level. The procedure for setting the optimum input level is discussed in section 1-4. a. 3) of this manual.

#### ⑦ MEMORY DISPLAY

These two digits indicate the SDR1000 memory location that has been recalled for playback, copying or editing. The 30 factory preset programs reside in locations "00" through "29". Note that these programs cannot be erased. The 70 user-preset programs reside in locations "30" through "99". These locations can be edited, copied and erased.

#### ⑧ MODE DISPLAY

This single digit indicates which of the SDR1000's modes (reverb and delay effects) is being used in a particular memory location. The eight modes are numbered from "0" to "7".

#### ⑨ CHANNEL DISPLAY

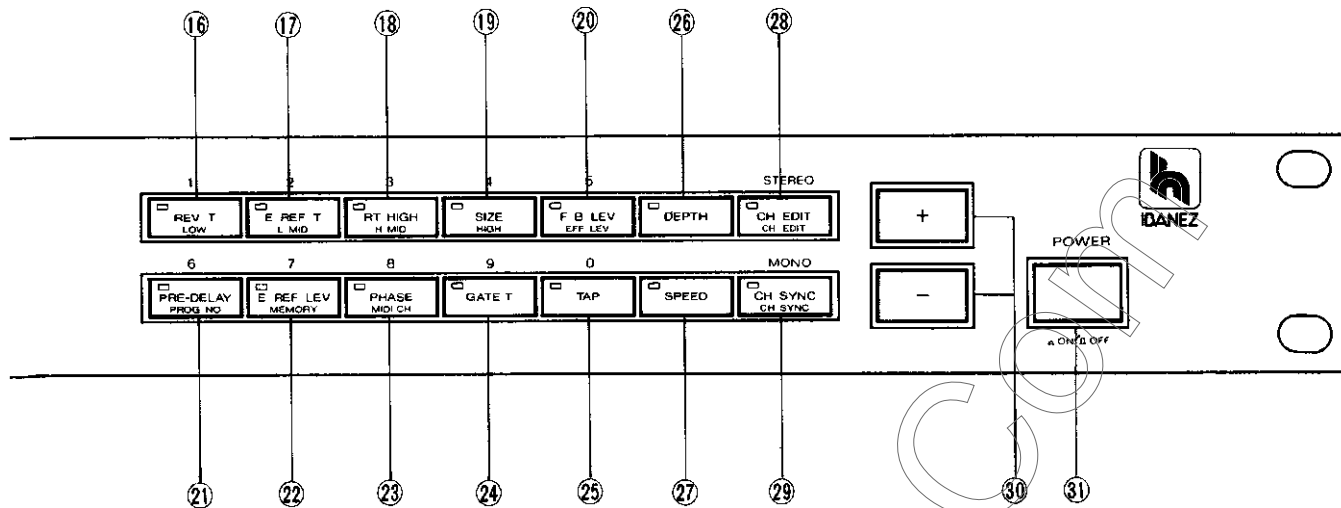
This single digit indicates the SDR1000 channel that is being edited in the "Parameter Edit" and "EQ Edit" functions. It also identifies multi-channel patches when they are recalled.

#### ⑩ DATA DISPLAY

These four digits indicate various data depending on what operation the user is performing. When recalling and using various memory locations, these digits will indicate the "Reverb Time" set in that location. The other data displayed by these digits are discussed throughout section 1-4. of this manual.

#### ⑪ MEMORY KEY

This key is used to call up a particular memory location for playback, copying or editing. The procedure for calling up memory locations is discussed in section 1-4. b. of this manual. When this key is used, or when an operation concerning this key is occurring, the key's LED will light.



**12 WRITE KEY**

This key is used to enter an edited program into memory, or to copy a program into another location. The "Program Copy" function are discussed in sections 1-4. c. and 1-4. d. of this manual. When this key is used, or when an operation concerning this key is occurring, the key's LED will light.

**13 EDIT KEY**

This key is used when it is desired to edit a parameter(s) in a program (in any memory location). The "Parameter Edit" function is discussed in section 1-4. c. of this manual. When this key is used (when the "Parameter Edit" function is used), the key's LED will light.

**14 EQ KEY**

This key is used when it is desired to edit the EQ (equalizer) settings of a particular program (in any memory location). The "EQ Edit" function is described in section 1-4. c. 4) of this manual. When this key is used (when the "EQ Edit" function is used), the key's LED will light.

**15 MIDI KEY**

This key is used when it is desired to enter or change the unit's MIDI channel or MIDI receiving mode. It is also used when a memory location is to be assigned to a MIDI patch number. For a discussion of the SDR1000's MIDI operation refer to section 1-4. e. of this manual. When this key is used (when the "MIDI Edit" function is used) the key's LED will light.

**16 REVERB TIME KEY**

This key serves three purposes. It serves as the number "1" key for the "Memory Select" and "Program Copy" functions. In the "Parameter Edit" function this key calls up the "Reverb Time" parameter for editing. In the "EQ Edit" function this key calls up the "Low" band (100 Hz center frequency) EQ filter for editing.

**17 EARLY REFLECTION TIME KEY**

This key serves three purposes. It serves as the number "2" key for the "Memory Select" and "Program Copy" functions. In the "Parameter Edit" function this key calls up the "Early Reflection Time" parameter for editing. In the "EQ Edit" function this key calls up the "Low-Mid" band (400 Hz center frequency) EQ filter for editing.

**18 REVERB TIME HIGH FREQUENCY KEY**

This key serves three purposes. It serves as the number "3" key for the "Memory Select" and "Program Copy" functions. In the "Parameter Edit" function this key calls up the "Reverb Time High Frequency (attack time of the reverb high-frequency roll-off) parameter for editing. In the "EQ Edit" function this key calls up the "High-Mid" band (1.6 kHz center frequency) EQ filter for editing.

**19 SIZE KEY**

This key serves three purposes. It serves as the number "4" key for the "Memory Select" and "Program Copy" functions. In the "Parameter Edit" function this key calls up the "Size" (simulated hall/room/plate size) parameter for editing. In the "EQ EDIT" function this key calls up the "High" band (6.4 kHz center frequency) EQ filter for editing.

**20 FEEDBACK LEVEL KEY**

This key serves three purposes. It serves as the number "5" key for the "Memory Select" and "Program Copy" functions. In the "Parameter Edit" function this key calls up the "Feedback Level" parameter for editing. In the "EQ Edit" function this key calls up the "EQ Output Level" parameter for editing.

**21 PRE-DELAY KEY**

This key serves three purposes. It serves as the number "6" key for the "Memory Select" and "Program Copy" functions. In the "Parameter Edit" function this key calls up the "Pre-Delay Time" parameter for editing. In the "MIDI Edit" function this key is used to enter the MIDI patch number selection.

**22 EARLY REFLECTION LEVEL KEY**

This key serves three purposes. It serves as the number "7" key for the "Memory Select" and "Program Copy" functions. In the "Parameter Edit" function this key calls up the "Early Reflection Level" parameter for editing. For MIDI functions this key is used to assign a particular memory location to a particular MIDI patch number (for program selection by MIDI).

**23 PHASE KEY**

This key serves three purposes. It serves as the number "8" key for the "Memory Select" and "Program Copy" functions. In the "Parameter Edit" function this key inverts the phase of the "Early Reflection" and "Feedback" sound components. In the "MIDI Edit" function this key is used to assign the SDR1000 to a particular MIDI channel.

**24 GATE TIME KEY**

This key serves two purposes. It serves as the number "9" for the "Memory Select" and "Program Copy" functions. In the "Parameter Edit" function this key calls up the "Gate Time" parameter for editing.

**25 TAP KEY**

This key serves two purposes. It serves as the number "0" for the "Memory Select" and "Program Copy" functions. In the "Parameter Edit" function this key is used to select the number of taps (repeats) in the "Dual Delay" Mode only.

**26 DEPTH KEY**

In the "Parameter Edit" function this key calls up the "Auto-Pan Depth" parameter for editing in the "Auto-Pan" Mode only.

**27 SPEED KEY**

In the "Parameter Edit" function this key calls up the "Auto-Pan Speed" parameter for editing in the "Auto-Pan" Mode only.

**28 CHANNEL EDIT KEY**

This key serves two purposes. In the "Memory Select" function it is used to select "stereo" operation. In the "Parameter Edit" and "EQ Edit" functions this key is used to alternate editing between Channel 1 and Channel 2 (when each channel is to have different parameter settings). When both channels are to be set to identical parameter settings, this key is not used.

**29 CHANNEL SYNC KEY**

This key serves two purposes. In the "Memory Select" function it is used to select "mono" operation. In the "Parameter Edit" and "EQ Edit" functions this key is used to determine whether each channel will have different parameter settings or identical parameter settings.

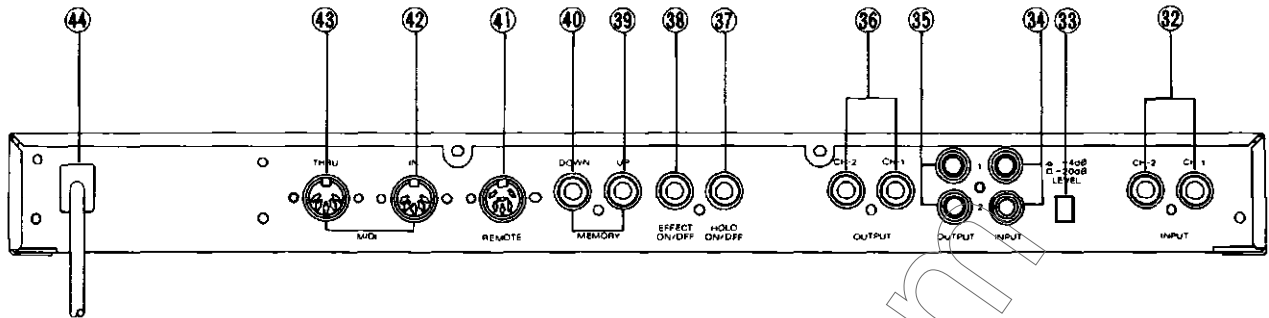
**30 INCREMENT/DECREMENT KEYS**

These keys serve two basic purposes. For "Memory Select" and "Program Copy" functions these keys are used to select the memory location number. In the "Parameter Edit", "EQ Edit" and "MIDI Edit" functions these keys are used to increase and decrease data settings. Pressing these keys once will cause the data to go up or down by one increment. Pressing and holding these keys will cause the data to increase or decrease more rapidly.

**31 POWER SWITCH**

This switch powers the unit up and down. When the unit is powered up the fluorescent display will light up indicating that power has been applied to the unit.

## b) Rear Panel



### 32) PHONE INPUT JACKS

These jacks accept input via standard 1/4" mono phone plugs, such as those found on standard "guitar cords". These inputs accept unbalanced line-level or instrument-level signals. The rightmost jack accepts input for Channel 1, while the next jack to the left accepts input for Channel 2. When the SDR1000 is set for "mono" (single-channel) operation, the Channel 1 input should be used. Also, when these jacks are used, the inputs to 34) PIN INPUT JACKS are disconnected.

### 33) INPUT/OUTPUT LEVEL SWITCH

This switch selects between line-level input (averaging +4 dBv) operation and instrument-level input (averaging -20 dBv) operation. This switch should be set for the correct input level range before 3) INPUT LEVEL is adjusted.

### 34) PIN INPUT JACKS

These jacks accept input via standard RCA-type pin plugs, such as those found on "stereo system" cables. These inputs basically duplicate the function of 32) PHONE INPUT JACKS. The upper jack accepts input for Channel 1, while the lower jack accepts input for Channel 2. When the SDR1000 is set for "mono" operation, Channel 1 input should be used. When 32) PHONE INPUT JACKS are used, these inputs are disconnected.

### 35) PIN OUTPUT JACKS

These jacks accept standard RCA-type pin plugs, such as those found on "stereo system" cables. These outputs provide a mix of the "dry" and "effect" signals. When the SDR1000 is set for "stereo" operation, the upper jack provides the output from Channel 1 and the lower jack provides the output from Channel 2. When the SDR1000 is set for "mono" operation, Channel 1's output is used.

### 36) PHONO OUTPUT JACKS

These jacks accept standard 1/4" phone plugs, such as those found on standard "guitar cords". These outputs basically duplicate the function of 35) PIN OUTPUT JACKS. When the SDR1000 is set for "stereo" operation, the right jack provides the output from Channel 1 and the left jack provides the output from Channel 2. When the SDR1000 is set for "mono" operation, Channel 1's output is used.

### 37) HOLD JACK

This jack accepts input for remote control of the "Hold" feature, via standard 1/4" mono phone plugs. When this input is used with a footswitch or other controller, "Hold" is turned on or off. Use a momentary-type footswitch, such as the Ibanez FS1M. For information regarding the "Hold" feature, refer to section 1-4. g. of this manual.

### 38) EFFECT JACK

This jack accepts input for remote control of EFFECT ON/OFF, via standard 1/4" mono phone plugs. Operation of this jack duplicates the function of 1) ON/OFF SWITCH. When this input is used with a footswitch or other controller, the unit is taken in or out of EFFECT. Use a momentary-type footswitch, such as the Ibanez FS1M.

### 39) MEMORY UP JACK

This jack accepts input for remote incrementing (increasing by steps) of the memory location, via standard 1/4" mono phone plugs. When this input is used with a footswitch or other controller, the memory location is increased by one. When the footswitch is held down, the memory location increases more rapidly. Use a momentary-type footswitch, such as the Ibanez FS1M. For more information on this feature, refer to section 1-4. g. of this manual.

### 40) MEMORY DOWN JACK

This jack accepts input for remote decrementing (decreasing by steps) of the memory location, via standard 1/4" mono phone plugs. When this input is used with a footswitch or other controller, the memory location is decreased by one. When the footswitch is held down, the memory location decreases more rapidly. Use a momentary-type footswitch, such as the Ibanez FS1M.

### 41) REMOTE CONTROLLER JACK

This jack accepts input from the Ibanez IFC60 Intelligent Foot Controller, for remote selection of memory locations. This jack accepts standard 6-pin DIN plugs, as found on the cable supplied with the IFC60. For information about using the IFC60 with the SDR1000 refer to section 1-4. f. of this manual.

### 42) MIDI IN JACK

This jack accepts input from any MIDI controller, for MIDI-controlled selection of memory locations. This jack accepts standard 5-pin DIN plugs, as found on standard "MIDI" cables. For information about using MIDI for selection of program locations refer to section 1-4. e. of this manual.

### 43) MIDI THRU JACK

This jack transmits the MIDI information received at 42) MIDI IN JACK for MIDI control of other devices. This jack accepts standard 5-pin DIN plugs, as found on standard "MIDI" cables.

### 44) AC POWER CORD

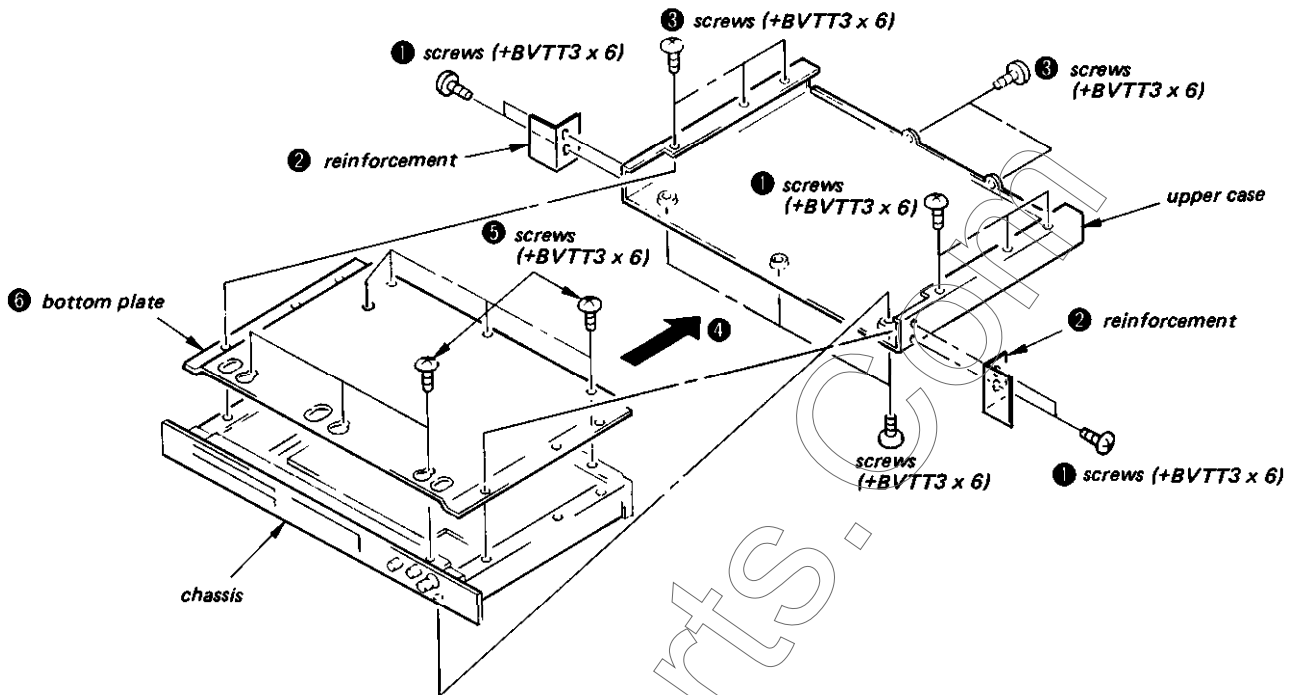
This cord connects the unit to a 120V (220-240V) AC outlet.

# DISASSEMBLY

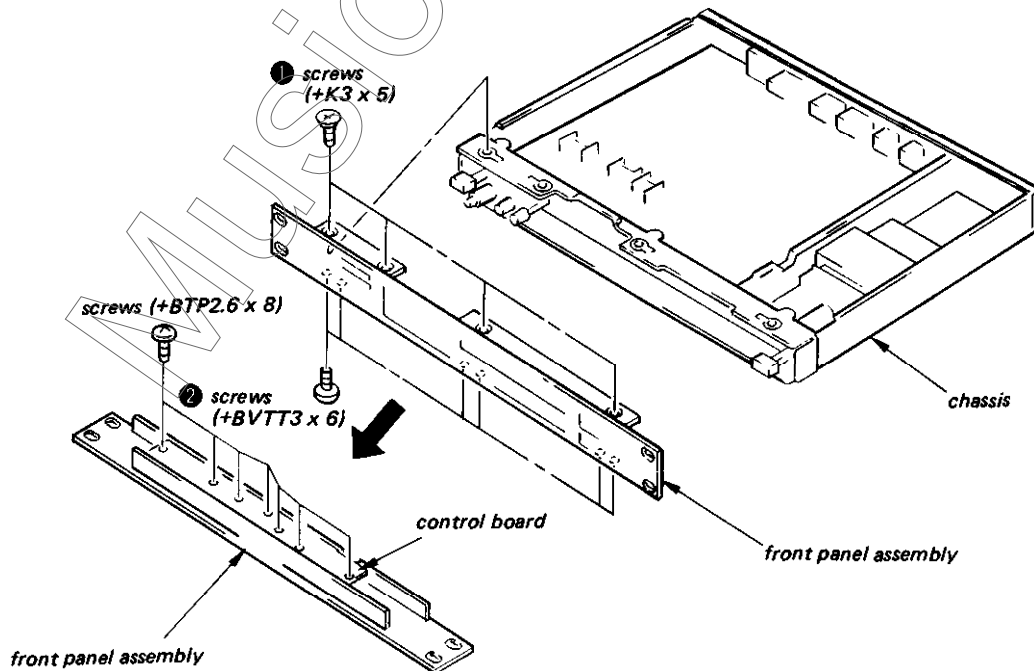
Note: Follow the disassembly procedure in the numerical order given.

## UPPER CASE, BOTTOM PLATE

Place the set upside down.



## FRONT PANEL ASSEMBLY, CONTROL BOARD





# ADJUSTMENTS

## DC Offset Adjustment

Perform this adjustment 30 minutes later since the power switch was on.

### Setting:

1. Recall the MEMORY 23 (factory preset memory) and change its data using EDIT switch as follows:

E. REF. LEV (CH1, CH2) .992  
TAP (CH1, CH2) 1  
EFF. LEV (CH1, CH2) 1.000

PRE DELAY (CH1, CH2) 100

2. Write the data into the MEMORY 99 (or whichever 30 to 99; user programmable memories).
3. Change the data of the MEMORY 99 as follows:  
EFF. LEV (CH1, CH2) .000  
It is the reference DC 0 level . . . . **A**
4. Push the EDIT switch (EDIT LED blinks).  
DC offset will occur . . . . . **B**

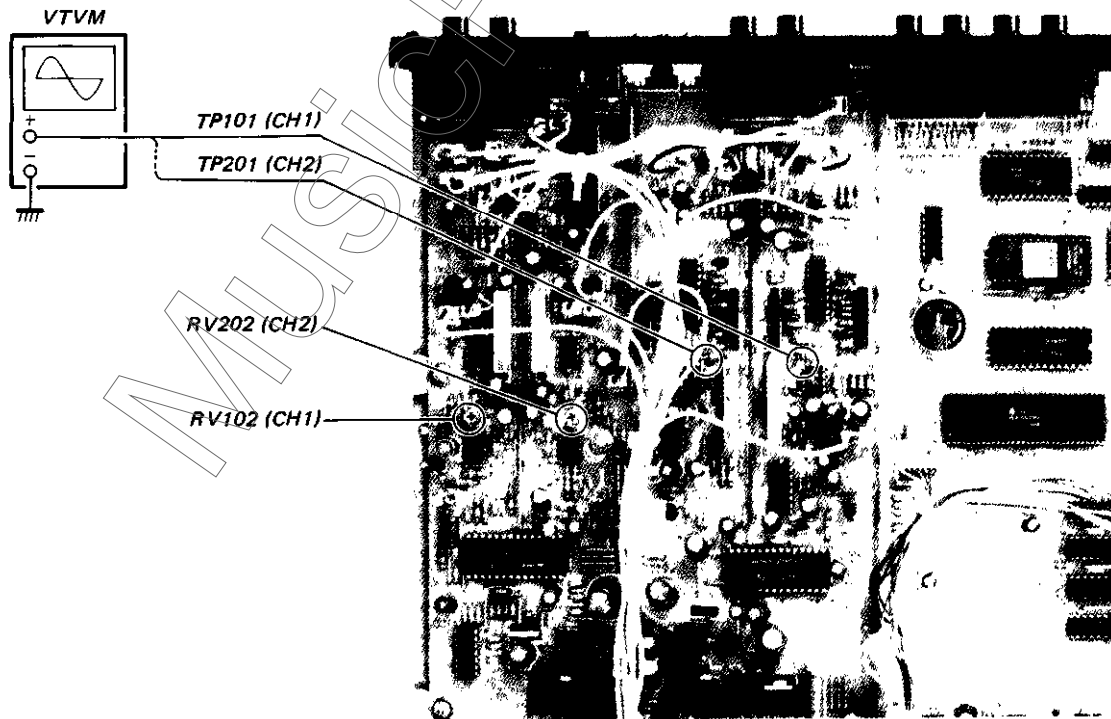
### Procedure:

1. INPUT volume: MIN.
2. Connect the VTVM to TP101 (TP201).
3. Adjust RV102 (RV202) so that the value of **A** against **B** satisfies the specification.

Specification: +10 mV  
-0 mV

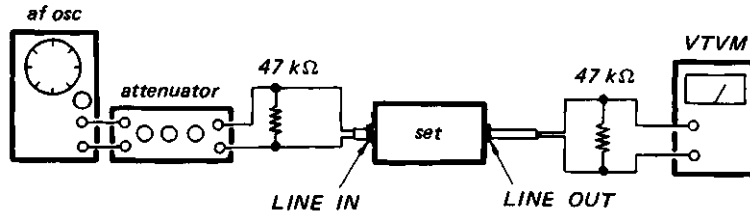
SERIAL NUMBER 60703001 AND LATER  $\pm 5\text{mV}$

Adjustment Location: audio board



## Distortion Adjustment

### Setting:



1. INPUT volume: MAX.  
EFFECT volume: MAX.  
DRY volume: MIN.  
LEVEL switch: +4 dB
2. Recall the MEMORY 23 and change its data using EDIT switch as follows.

TAP (CH1, CH2)	1
EFF. LEV (CH1, CH2)	1.000

### Procedure:

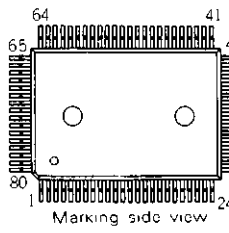
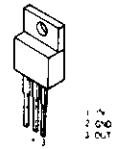


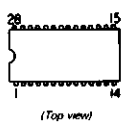
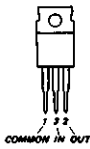

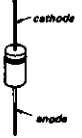
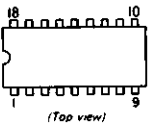
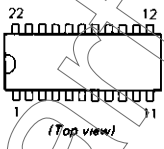
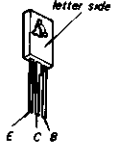
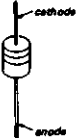

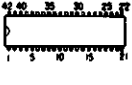

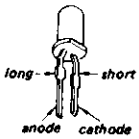
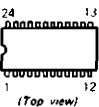



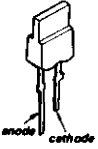
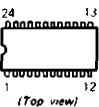
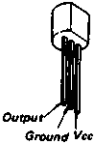
1. Input an 1 kHz signal and adjust the input level so that the output level is +17 dB.
2. Turn RV103 (RV203) fully clockwise.
3. Adjust it turning counterclockwise so that the distortion level is -80 dB.
4. Turn it counterclockwise 30 degrees more its position.

Adjustment Location: audio board

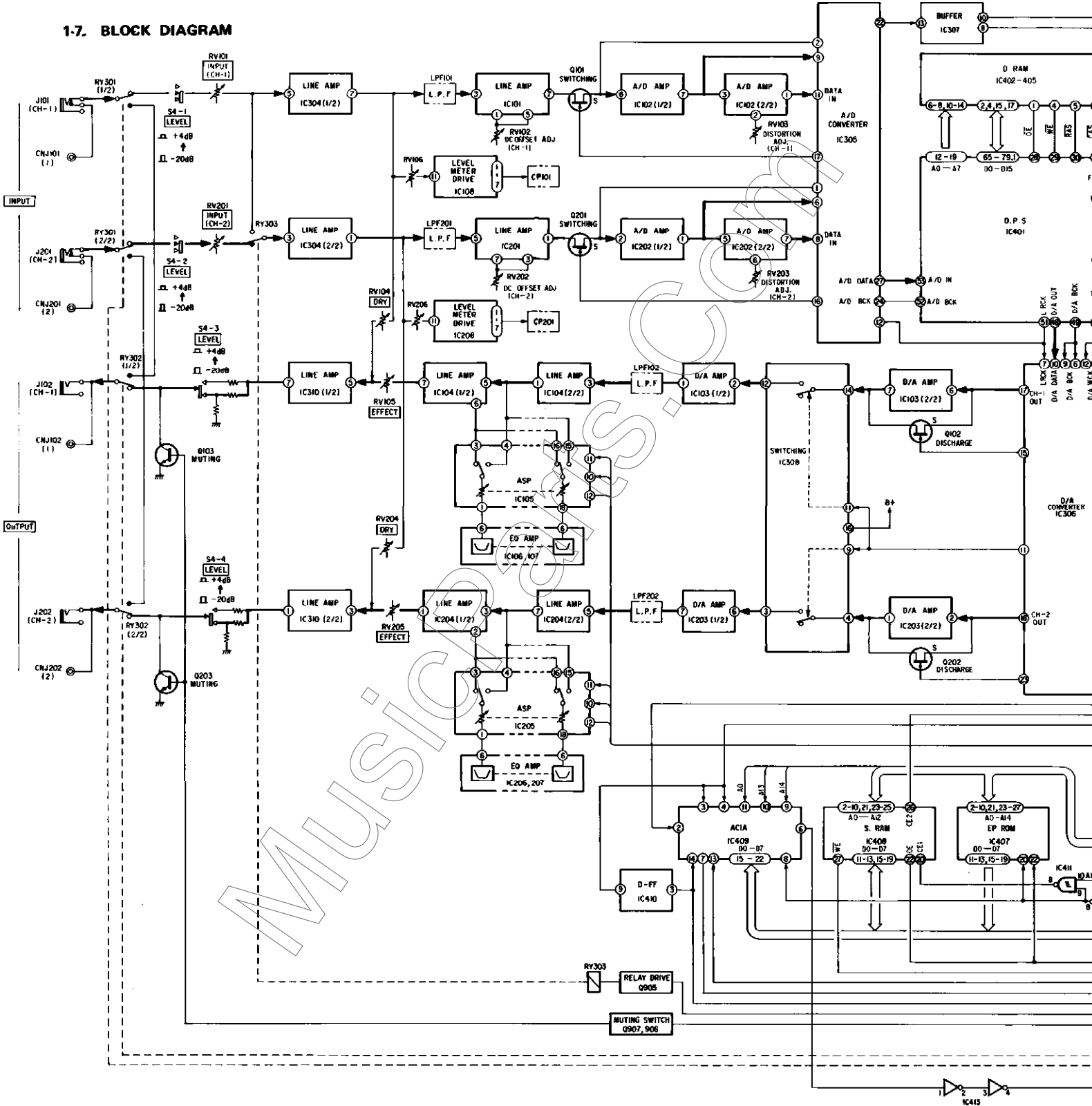
RV103 (CH1)

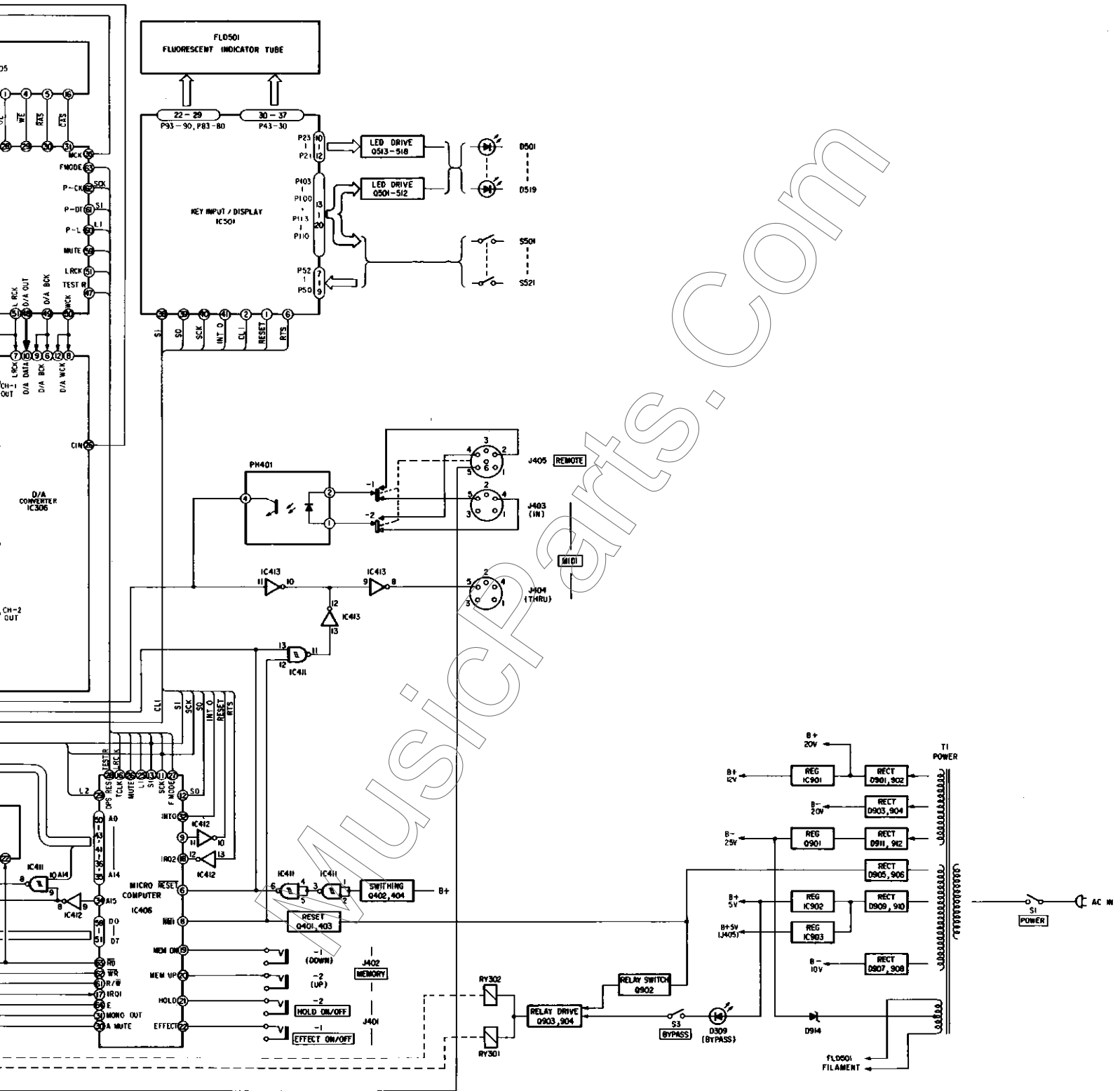
RV203 (CH2)

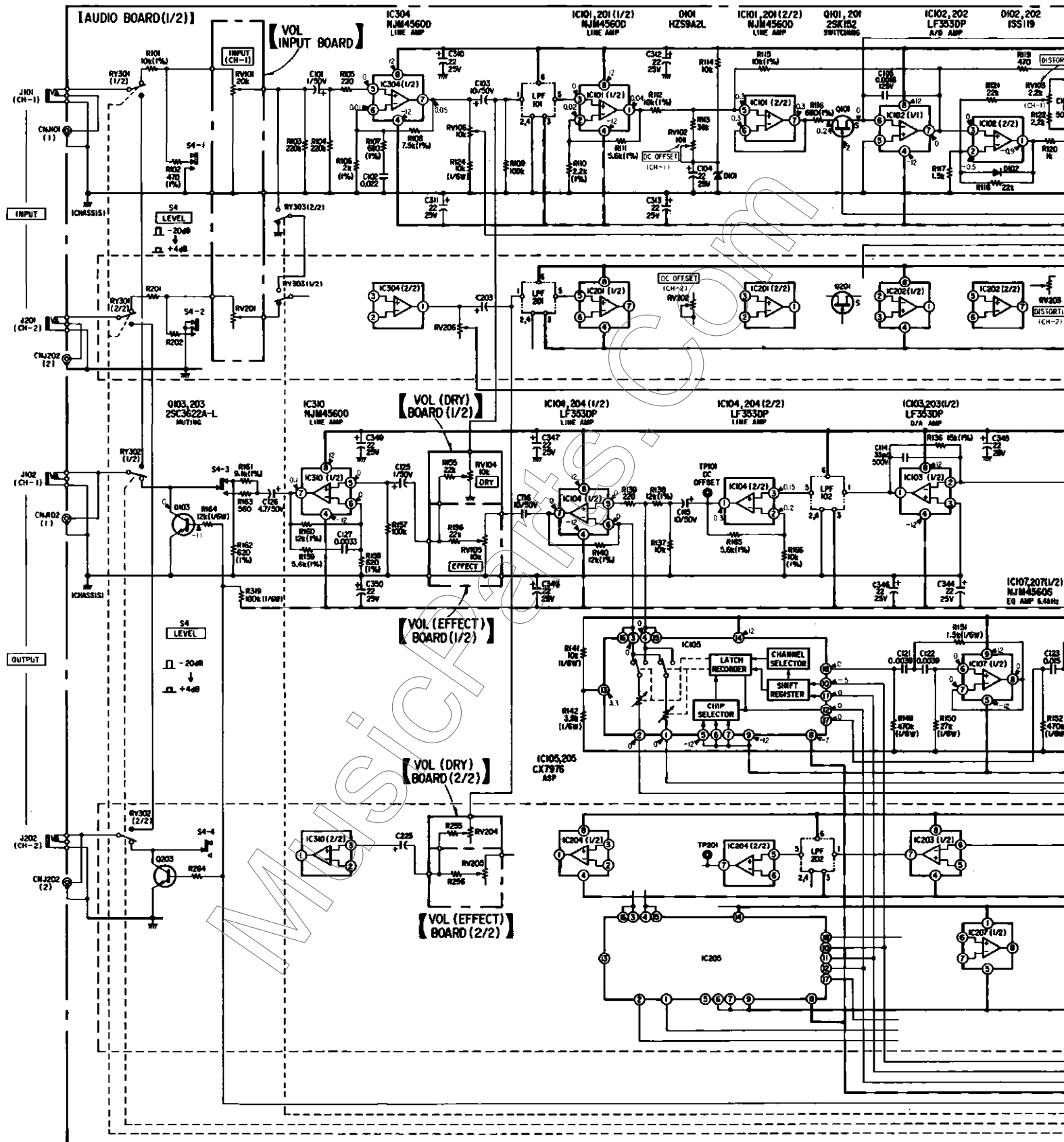
● Semiconductor Lead Layouts

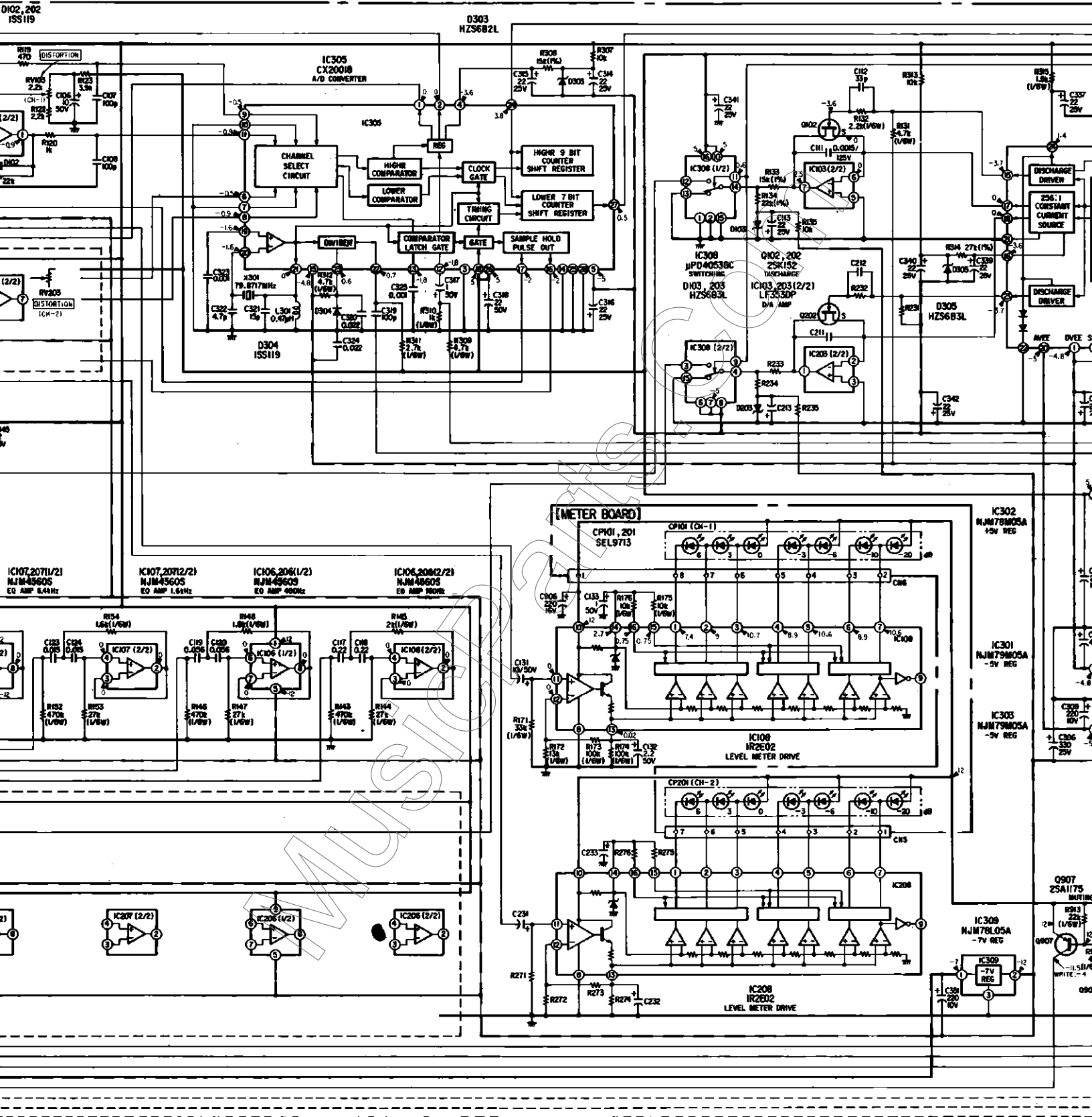
<p><b>CXD1079Q</b></p>  <p>Marking side view</p>	<p>HD74HC04P HD74HC74P HD74HC132P MC74HC04N MC74HC74N MC74HC132N MC74HCU04N SN74HC04N SN74HC05N SN74HC74N TC74HC04P TC74HC74P TC74HC132P TC74HCU04P <math>\mu</math>PD74HC74C <math>\mu</math>PD74HC132C</p>	<p>NJM78M05A NJM78M12A <math>\mu</math>PC78M12H</p> 	<p>2SA844 2SA933S 2SB864 2SC3622A-L 2SD1152</p> 	<p>2SK152</p> 
<p>CX20017 CX20018</p>  <p>(Top view)</p>	<p>1413121110 9 8 1 2 3 4 5 6 7 (Top view)</p>	<p>NJM79M05A</p>  <p>COMMON IN OUT</p>	<p>2SA1175</p> 	<p>10DF2 10E2N HZS6B3L HZS6C1L HZS7B3L HZS9A1L HZS9A2L HZS243L</p>  <p>cathode anode</p>
<p>CX7976 MB81464-10</p>  <p>(Top view)</p>	<p>IR2E02 <math>\mu</math>PD4053BC</p> <p>16151413121110 9 1 2 3 4 5 6 7 8 (Top view)</p>	<p><math>\mu</math>PD27C256C <math>\mu</math>PD4464C</p>  <p>(Top view)</p>	<p>2SB731 2SD809</p>  <p>letter side E C B</p>	<p>1SS119 1SS133 1SS148 1SS202 1SS202-1 HZS9.1NB2 HZS9.1NT2</p>  <p>cathode anode</p>
<p>HD63B03XP</p>  <p>(Top view)</p>	<p>LF353DP NJM4560D</p> <p>8 7 6 5 0 0 0 0 1 2 3 4 (Top view)</p>	<p><math>\mu</math>PD7528C-036</p>  <p>(Top view)</p>	<p>2SB1014</p>  <p>E B C</p>	<p>SEL2210S-C</p>  <p>long - short anode cathode</p>
<p>HD63B50P</p>  <p>(Top view)</p>	<p>NJM4560S</p> 	<p>2SA1048 2SA1115 2SC2603F DTA114ES DTC114ES DTC144ES</p>  <p>E C B</p>	<p>2SK30A-O</p>  <p>S G D</p>	<p>TLR208</p>  <p>anode cathode</p>
<p>HD63B50P</p>  <p>(Top view)</p>	<p>NJM78L05A</p>  <p>Output Ground Vcc</p>			

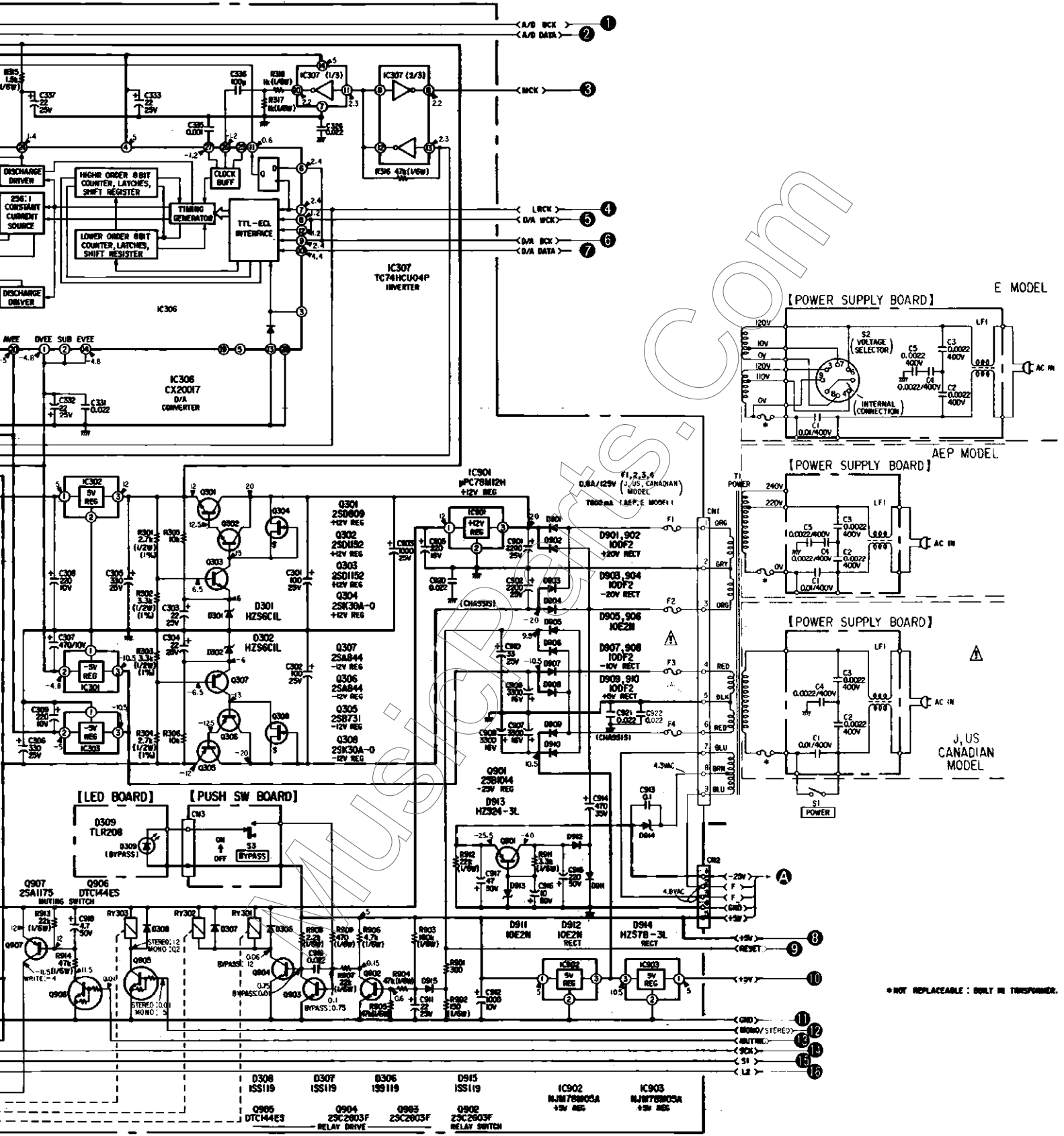
# 1-7. BLOCK DIAGRAM





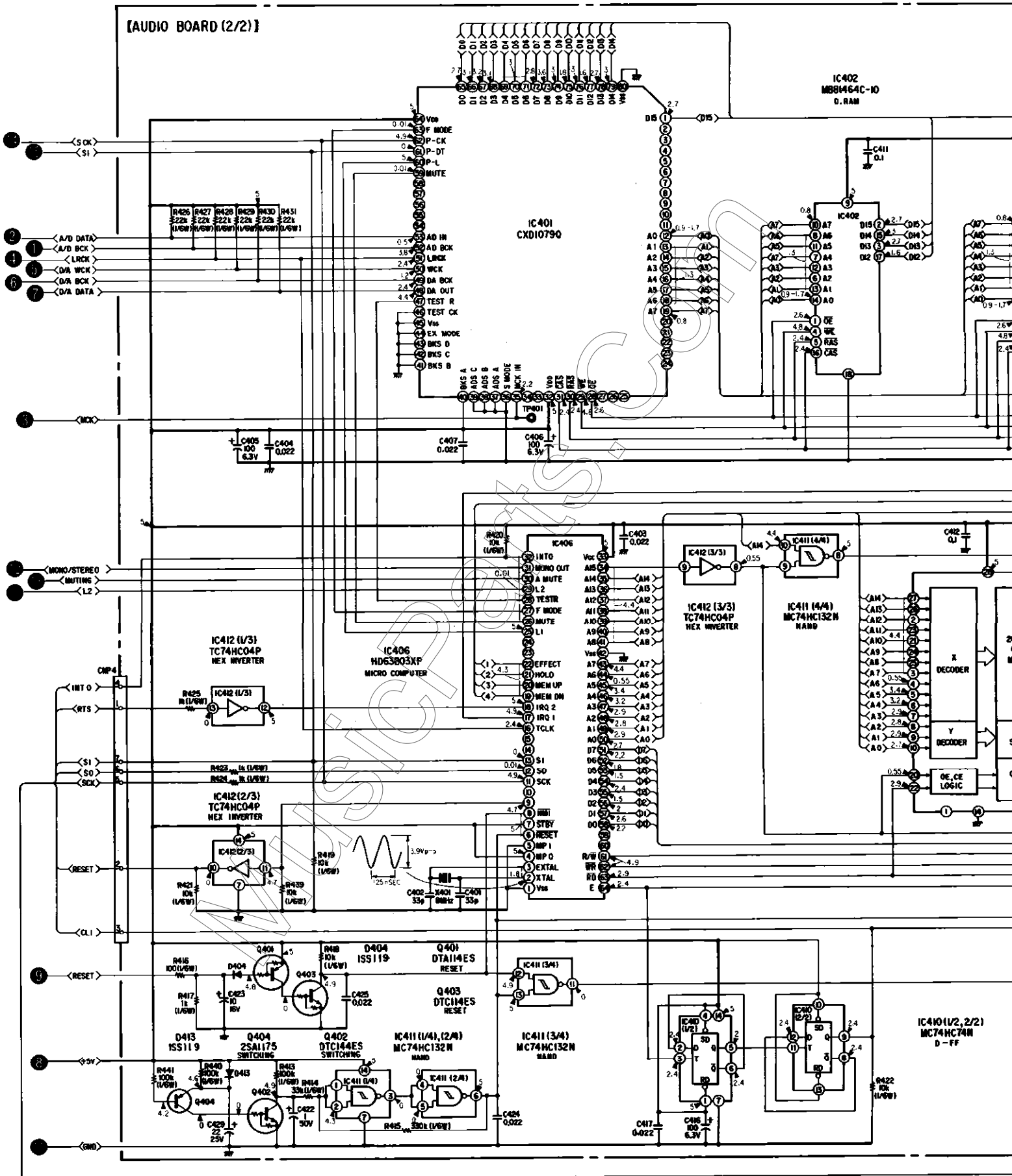


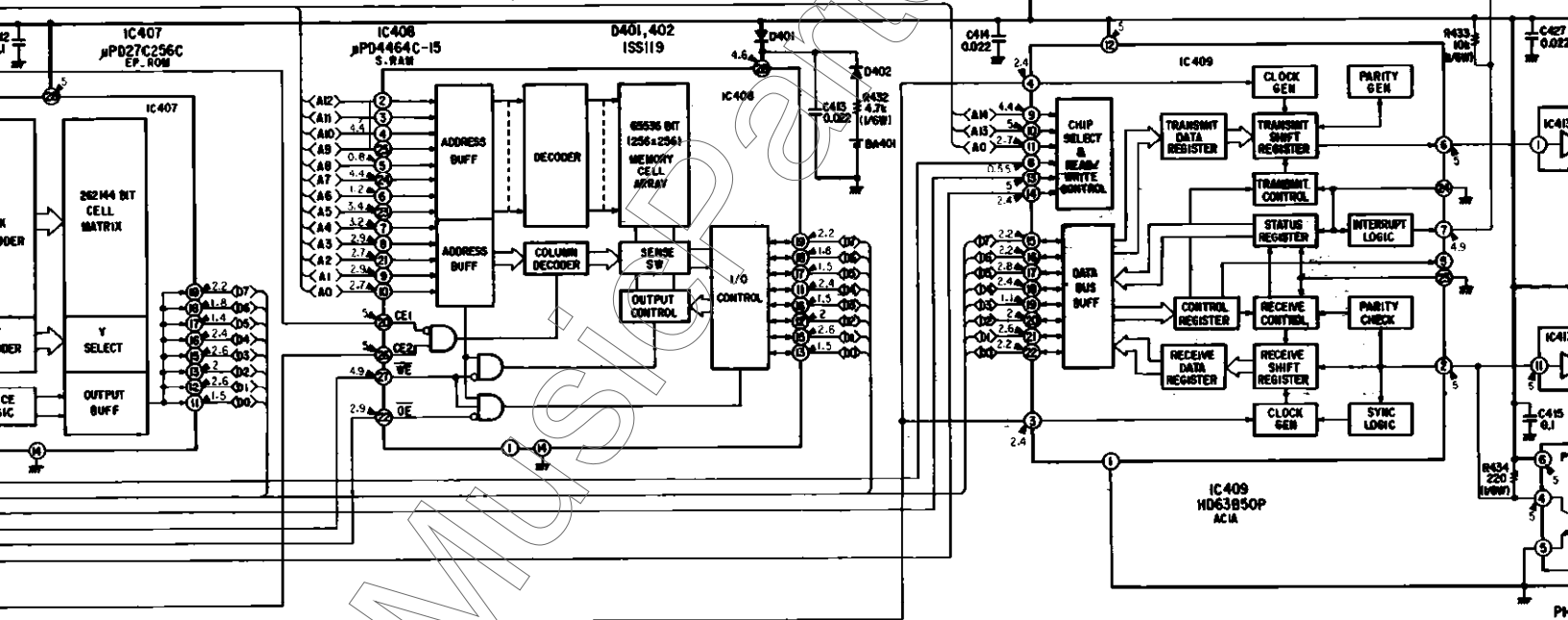
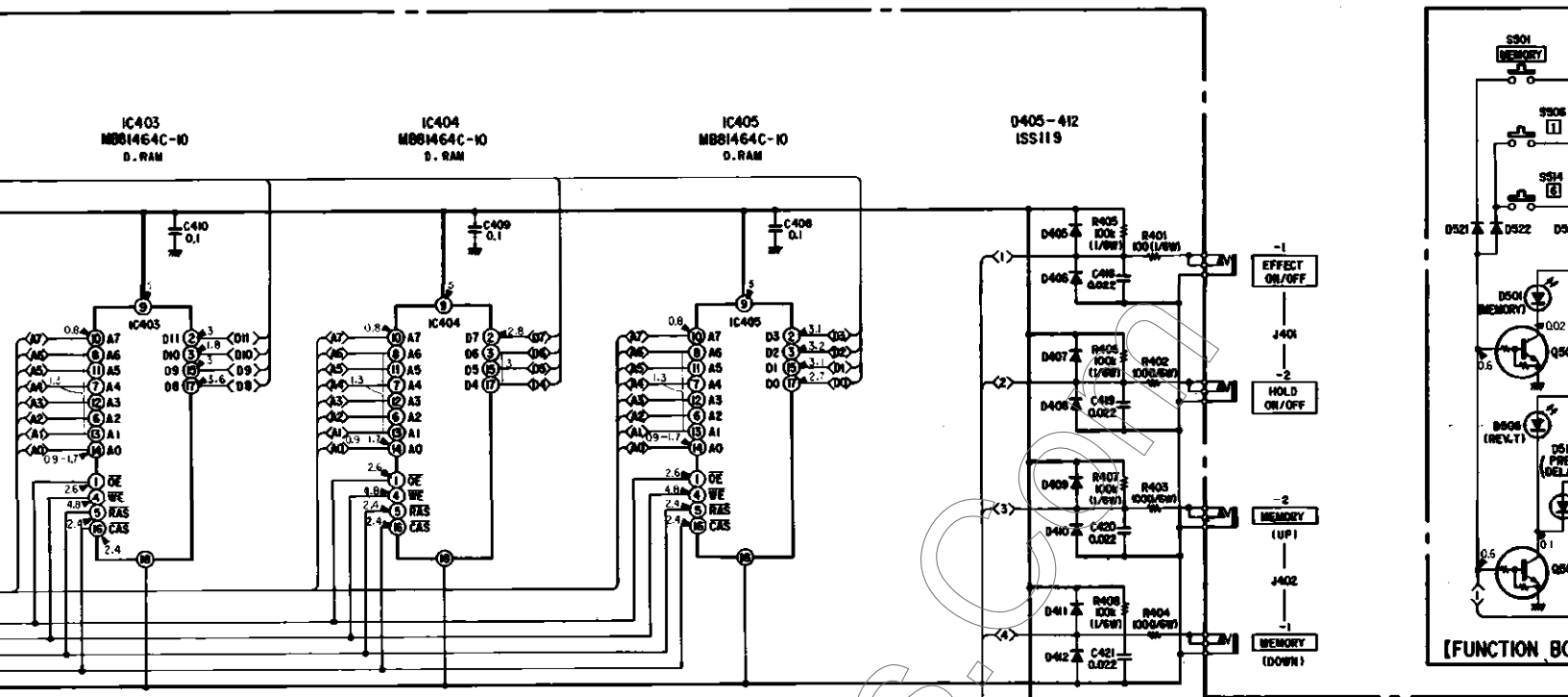




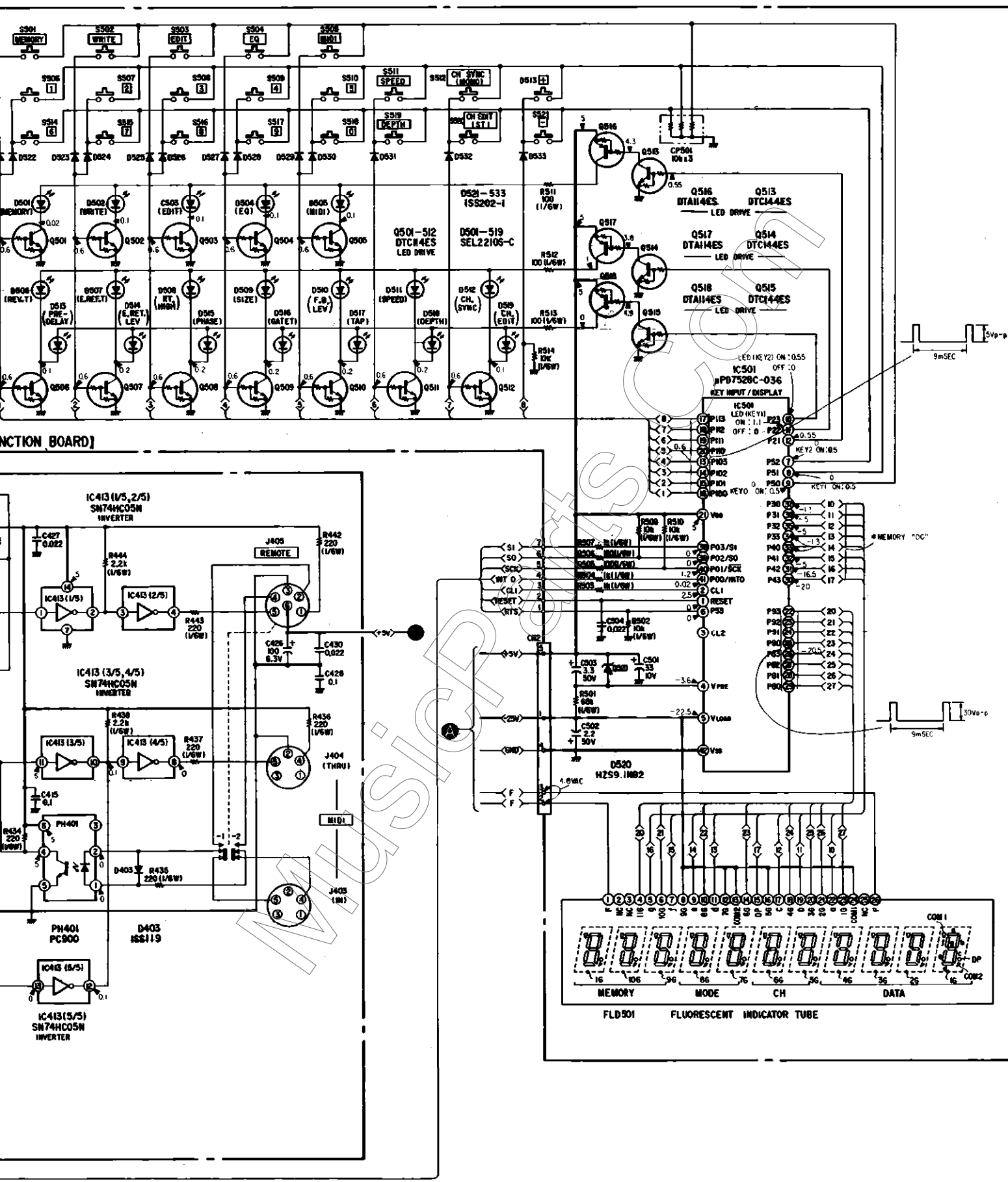


[AUDIO BOARD (2/2)]





2,2/21  
C74N  
F



Pg. 17 of 29

# DIAGRAMS

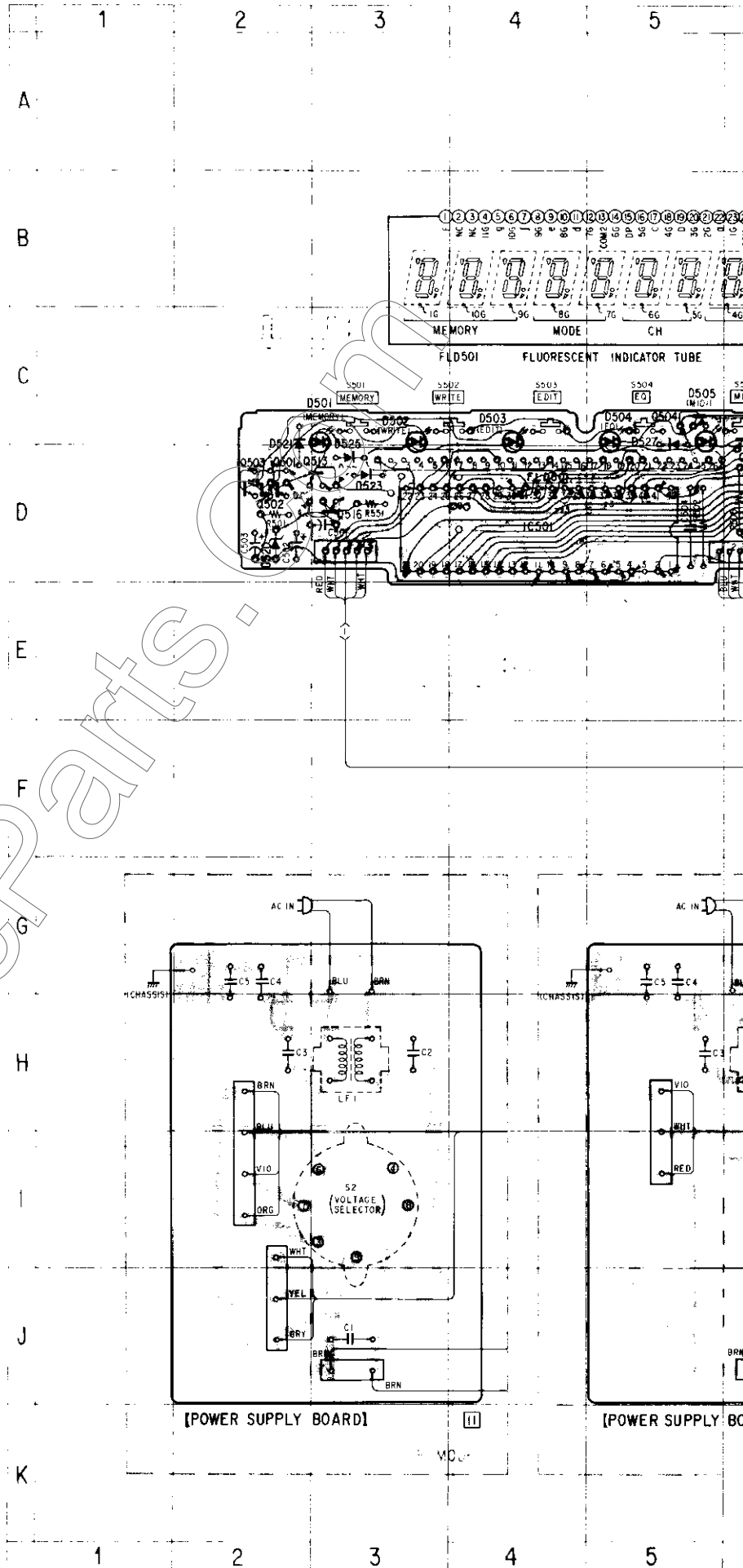
## MOUNTING DIAGRAM — Conductor Side —

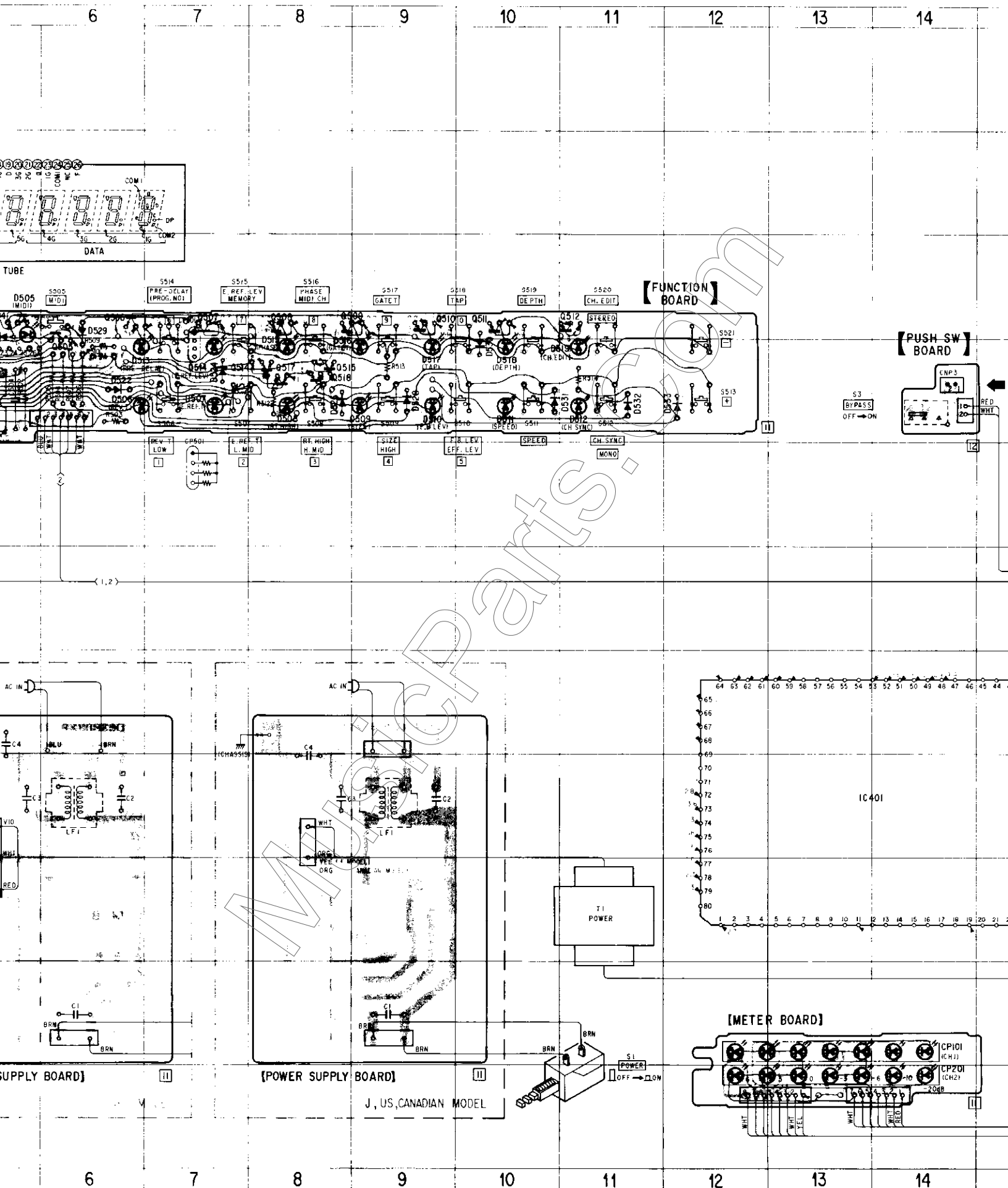
**Note:**

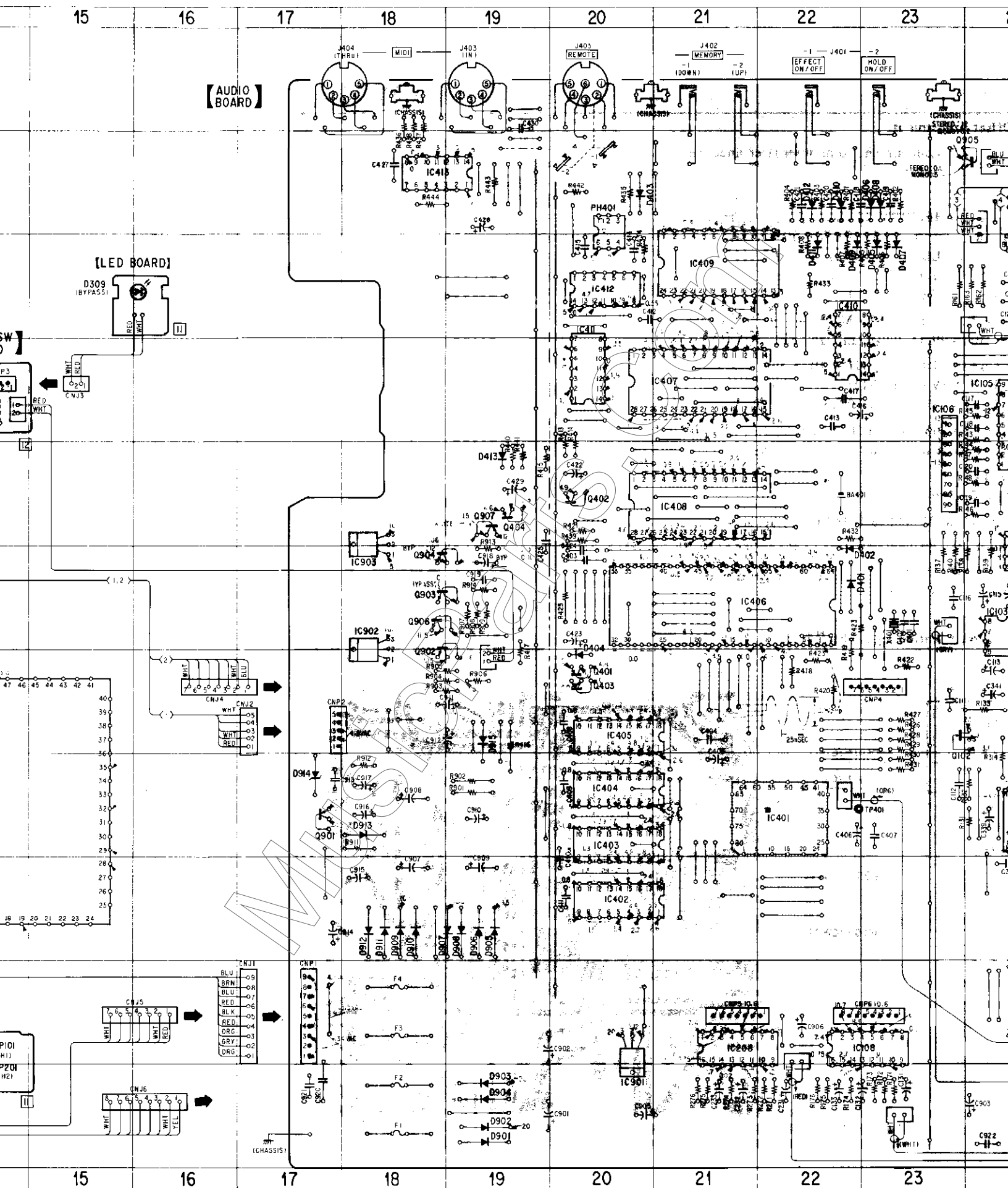
- ○ — : parts extracted from the component side.
- ● — : parts extracted from the conductor side.
- ■ — : part mounted on the conductor side.
- — : Through hole.

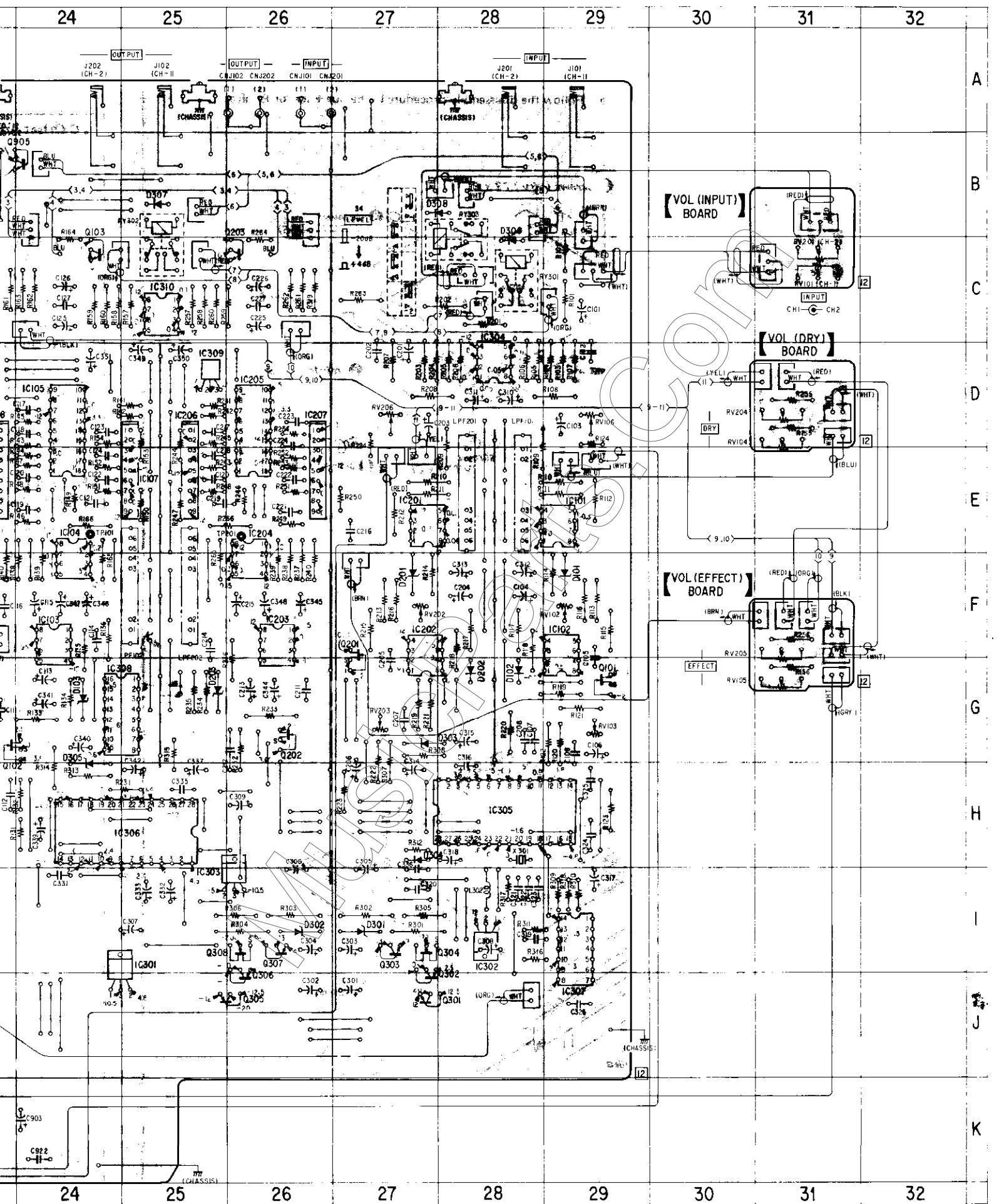
● SEMICONDUCTOR LOCATION

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D101	F-29	D533	D-12	PH401	B-20
D102	G-28	D901	K-19		
D103	G-24	D902	K-19	Q101	G-29
D201	F-27	D903	K-19	Q102	G-24
D202	G-28	D904	K-19	Q103	C-24
D203	G-25	D905	I-19	Q201	G-27
D301	I-27	D906	I-19	Q202	G-26
D302	I-26	D907	I-19	Q203	C-26
D303	G-27	D908	I-19	Q301	J-27
D304	H-27	D909	I-18	Q302	I-27
D305	H-24	D910	I-18	Q303	I-27
D306	C-28	D911	I-18	Q304	I-27
D307	B-25	D912	I-18	Q305	J-26
D308	B-28	D913	H-18	Q306	I-26
D309	C-16	D914	H-17	Q307	I-26
D401	F-22	D915	G-19	Q308	I-26
D402	F-22			Q401	G-20
D403	B-20	IC101	E-29	Q402	E-20
D404	G-20	IC102	F-29	Q403	G-20
D405	C-23	IC103	F-24	Q404	E-19
D406	B-23	IC104	F-24	Q501	D-2
D407	C-23	IC105	D-24	Q502	D-2
D408	B-23	IC106	E-23	Q503	D-2
D409	C-22	IC107	E-25	Q504	C-5
D410	B-22	IC108	J-23	Q505	D-6
D411	C-22	IC201	E-27	Q506	C-6
D412	B-22	IC202	F-27	Q507	C-7
D413	E-19	IC203	F-26	Q508	C-8
D501	C-3	IC204	F-26	Q509	C-9
D502	C-3	IC205	D-26	Q510	C-9
D503	C-4	IC206	E-25	Q511	C-10
D504	C-5	IC207	E-26	Q512	C-11
D505	C-5	IC208	J-21	Q513	D-3
D506	D-6	IC301	J-24	Q514	D-8
D507	D-7	IC302	I-28	Q515	D-8
D508	D-8	IC303	I-26	Q516	D-3
D509	D-9	IC304	D-28	Q517	D-8
D510	D-9	IC305	H-28	Q518	D-8
D511	D-10	IC306	H-25	Q901	H-17
D512	D-11	IC307	I-29	Q902	G-18
D513	D-6	IC308	G-25	Q903	F-19
D514	D-7	IC309	D-25	Q904	F-19
D515	D-8	IC310	C-25	Q905	B-23
D516	D-9	IC401	H-22	Q906	F-18
D517	D-9	IC402	I-20	Q907	E-19
D518	D-10	IC403	H-20		
D519	D-11	IC404	H-20		
D520	D-2	IC405	G-20		
D521	C-2	IC406	F-21		
D522	D-6	IC407	D-21		
D523	D-3	IC408	E-21		
D524	D-7	IC409	C-21		
D525	D-3	IC410	D-22		
D526	D-8	IC411	D-20		
D527	C-5	IC412	C-20		
D528	D-9	IC413	B-18		
D529	C-6	IC501	D-4		
D530	D-10	IC901	J-20		
D531	D-10	IC902	F-18		
D532	D-11	IC903	E-18		









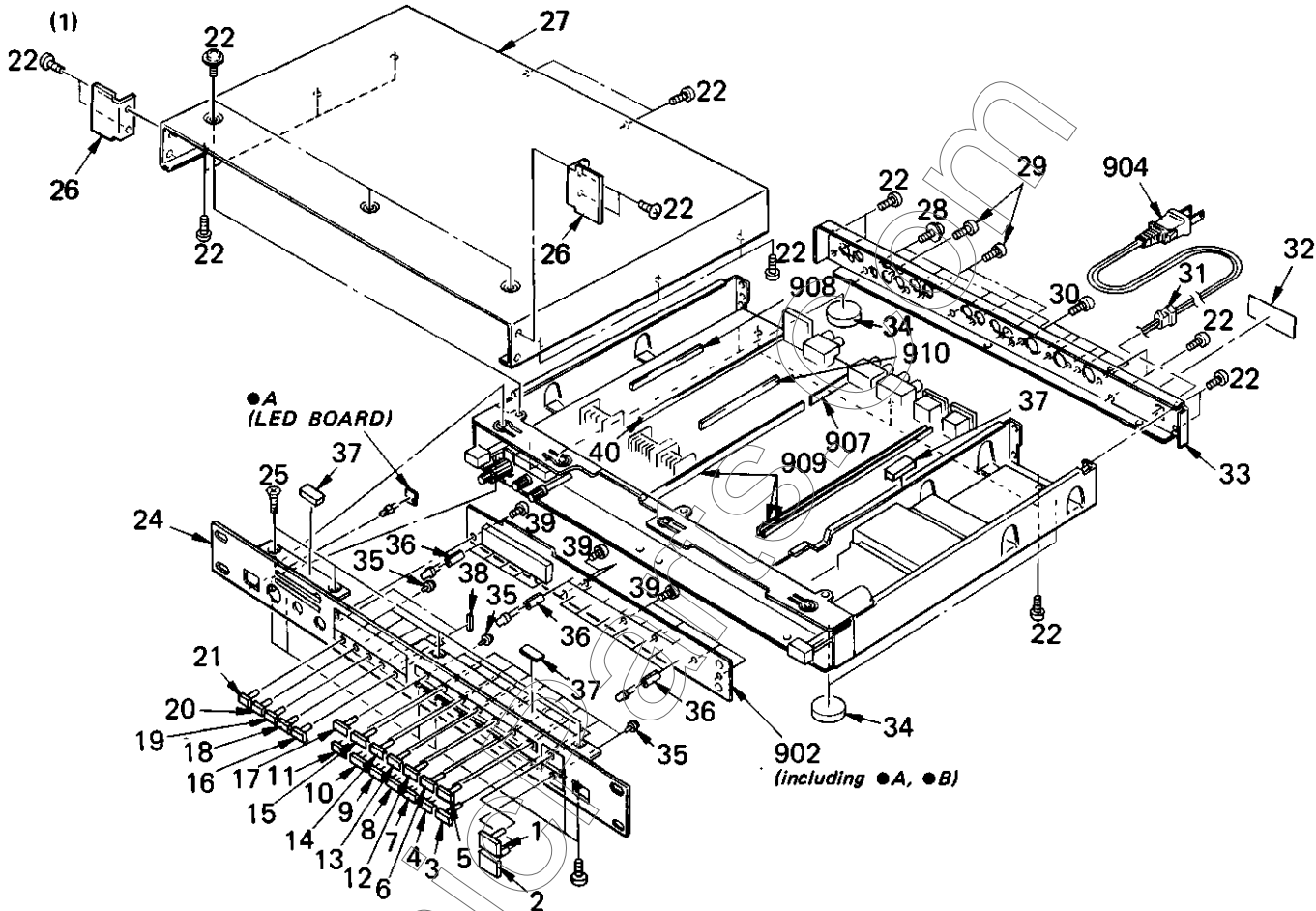
# EXPLODED VIEWS AND PARTS LIST

**NOTE:**

- The mechanical parts with no reference number in the exploded views are not supplied
- Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The construction parts of an assembled part are indicated with a collation number on the remark column.

The components identified by shading and mark **▲** are critical for safety. Replace only with part number specified.

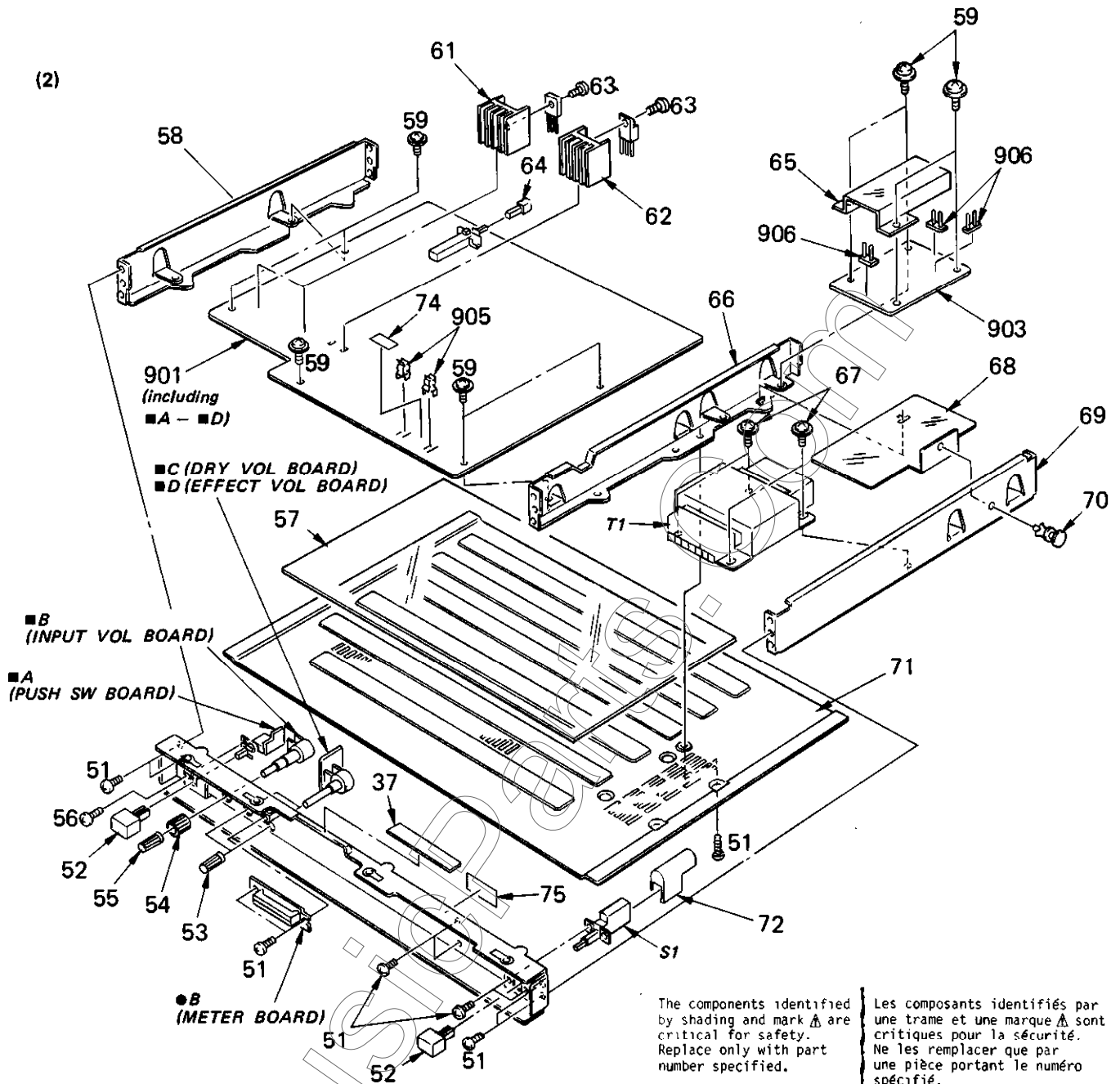
Les composants identifiés par une trame et une marque **▲** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
1	4-916-306-01	BUTTON (B), CONTROL (+)		28	3-701-467-00	SCREW, LOCK	
2	4-916-306-11	BUTTON (B), CONTROL (-)		29	7-685-146-19	SCREW +BTP 3X8 TYPE2 N-S	
3	X-4916-319-1	BUTTON (A) ASSY, CONTROL (CH.SYNC)		30	7-682-548-09	SCREW +B 3X8	
4	X-4916-318-1	BUTTON (A) ASSY, CONTROL (SPEED)		31	3-703-244-11	(AE,E3).....BUSHING (2104), CORD	
5	X-4916-317-1	BUTTON (A) ASSY, CONTROL (CH.EDIT)			3-703-571-11	(J,US,CA)...BUSHING (S)(4516), CORD	
6	X-4916-316-1	BUTTON (A) ASSY, CONTROL (DEPTH)		32	*4-916-317-01	(US,CA)...LABEL, MODEL NUMBER	
7	X-4916-315-1	BUTTON (A) ASSY, CONTROL (TAP)			*4-916-321-01	(J).....LABEL, MODEL NUMBER	
8	X-4916-314-1	BUTTON (A) ASSY, CONTROL (GATE T)			*4-916-322-01	(E3).....LABEL, MODEL NUMBER	
9	X-4916-313-1	BUTTON (A) ASSY, CONTROL (PHASE)			*4-916-323-01	(AE).....LABEL, MODEL NUMBER	
10	X-4916-312-1	BUTTON (A) ASSY, CONTROL (E.REF.LEV)		33	4-916-316-02	PLATE, JACK	
11	X-4916-311-1	BUTTON (A) ASSY, CONTROL (PRE DELAY)		34	*4-907-980-01	FOOT	
12	X-4916-310-1	BUTTON (A) ASSY, CONTROL (F.B.LEV)		35	4-905-417-01	STOPPER, KNOB	
13	X-4916-309-1	BUTTON (A) ASSY, CONTROL (SIZE)		36	4-911-676-01	SPACER, LED	
14	X-4916-308-1	BUTTON (A) ASSY, CONTROL (RT.HIGH)		37	*3-846-067-11	SPACER	
15	X-4916-307-1	BUTTON (A) ASSY, CONTROL (E.REF.T)		38	*3-671-888-00	CUSHION (B), BUTTON	
16	X-4916-306-1	BUTTON (A) ASSY, CONTROL (REV.T)		39	7-685-134-19	SCREW +BTP 2.6X8 TYPE2 N-S	
17	X-4916-305-1	BUTTON (A) ASSY, CONTROL (MIDI)		40	*3-311-617-01	REINFORCEMENT, PCB	
18	X-4916-304-1	BUTTON (A) ASSY, CONTROL (EQ)		902	*A-4410-293-A	MOUNTED PCB, CONTROL	
19	X-4916-303-1	BUTTON (A) ASSY, CONTROL (EDIT)		904	▲ 1-534-817-XX	(AE, E3).....CORD, POWER	
20	X-4916-302-1	BUTTON (A) ASSY, CONTROL (WRITE)			▲ 1-551-825-31	(J).....CORD, POWER	
21	X-4916-301-1	BUTTON (A) ASSY, CONTROL (MEMORY)			▲ 1-558-091-11	(US,CA).....CORD, POWER	
22	7-685-751-09	SCREW +BVTT 3X6 (S)		907	*1-560-242-11	BUS BAR 3P	
24	X-4910-320-1	PANEL ASSY, FRONT		908	*1-560-242-31	BUS BAR 5P	
25	7-682-246-09	SCREW +K 3X5		909	*1-560-242-41	BUS BAR 11P	
26	*4-916-305-01	REINFORCEMENT		910	*1-560-242-71	BUS BAR 6P	
27	4-916-319-01	CASE					



(2)



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
51	7-685-751-09	SCREW +BVTT 3X6 (S)		68	*4-916-303-01	SHEET, INSULATING	
52	4-879-487-51	PUSH BUTTON		69	*4-916-312-01	CHASSIS (RIGHT), SIDE	
53	4-906-511-61	KNOB (SMALL), ROTARY		70	*3-531-576-51	RIVET	
54	4-904-320-11	KNOB, SELECTOR		71	*4-916-320-01	PLATE, BOTTOM	
55	4-906-511-51	KNOB (SMALL), ROTARY		72	*3-575-524-00	COVER, POWER SWITCH	
56	7-621-775-20	SCREW +B 2.6X5		73	*4-916-315-02	CHASSIS, FRONT	
57	*4-916-327-01	SHEET, INSULATING		74	*3-701-948-13	(AE,E3)...LABEL, FUSE	
58	*4-916-311-01	CHASSIS (LEFT), SIDE		75	*3-703-044-26	(US,CA)...LABEL, FUSE CAUTION	
59	3-703-249-01	SCREW, S TIGHT, +PTTWH 3X6		901	*A-4335-612-A	MOUNTED PCB, AUDIO	
60	*4-916-318-01	PLATE, GROUND		903	*1-619-424-12	PC BOARD, POWER	
61	*4-363-146-00	HEAT SINK, V. OUT		905	1-533-162-00	HOLDER, FUSE	
62	*4-363-146-11	HEAT SINK, V. OUT		906	*1-535-139-00	BASE POST 19MM (10MM PITCH) 2P	
63	2-259-121-00	SCREW, TR		S1	$\Delta$ 1-553-318-00	SWITCH, PUSH (AC POWER)(1 KEY)	
64	3-311-509-00	PUSH BUTTON		T1	$\Delta$ 1-448-591-11	(AE).....TRANSFORMER, POWER	
65	*4-916-304-01	CASE, INSULATING		T1	$\Delta$ 1-448-592-11	(E3).....TRANSFORMER, POWER	
66	*4-916-313-02	CHASSIS, CENTER		T1	$\Delta$ 1-448-593-11	(US,CA)...TRANSFORMER, POWER	
67	7-682-947-01	SCREW +PSW 3X6		T1	$\Delta$ 1-448-594-11	(J).....TRANSFORMER, POWER	

# ELECTRICAL PARTS LIST

**NOTE**

Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

**CAPACITORS:**  
MF:µF, PF:µµF.

**RESISTORS**  
All resistors are in ohms.  
F : nonflammable

**COILS**  
MMH : mH, UH : µH

**SEMICONDUCTORS**  
In each case, U : µ, for example:  
UA...: µA..., UPA...: µPA..., UPC...: µPC,  
UPD...: µPD...

The components identified by shading and mark **△** are critical for safety. Replace only with part number specified.

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

ELECTRICAL PARTS

Ref.No.	Part No.	Description
901	*A-4335-612-A	MOUNTED PCB, AUDIO
902	*A-4410-293-A	MOUNTED PCB, CONTROL
903	*1-619-424-12	PC BOARD, POWER
904	△.1-534-817-XX △.1-551-825-31 △.1-558-091-11	(AE,E3)...CORD, POWER (J).....CORD, POWER (US,CA)...CORD, POWER
905	1-533-162-00	HOLDER, FUSE
906	*1-535-139-00	BASE POST 19MM (10MM PITCH) 2P
907	*1-560-242-11	BUS BAR 3P
908	*1-560-242-31	BUS BAR 5P
909	*1-560-242-41	BUS BAR 11P
910	*1-560-242-71	BUS BAR 6P
911	*1-564-498-11	PIN, CONNECTOR 5P
912	*1-564-500-11	PIN, CONNECTOR 7P
BA401	1-528-120-00	BATTERY, LITHIUM (CR-2025)
C1	△.1-161-744-00	CERAMIC 0.01MF 20% 400V
C2	△.1-161-742-00	CERAMIC 0.0022MF 20% 400V
C3	△.1-161-742-00	CERAMIC 0.0022MF 20% 400V
C4	△.1-161-742-00	CERAMIC 0.0022MF 20% 400V
C5	△.1-161-742-00	(AE,E3)...CERAMIC 0.0022MF 20% 400V
C101	1-123-380-00	ELECT 1MF 20% 50V
C102	1-136-157-00	FILM 0.022MF 5% 50V
C103	1-123-356-00	ELECT 10MF 20% 50V
C104	1-123-330-00	ELECT 22MF 20% 25V
C105	1-104-255-11	POLYSTYRENE 0.0018MF 5% 125V
C106	1-123-356-00	ELECT 10MF 20% 50V
C107	1-162-282-31	CERAMIC 100PF 10% 50V
C108	1-162-282-31	CERAMIC 100PF 10% 50V
C111	1-104-228-00	POLYSTYRENE 0.0015MF 5% 125V
C112	1-162-211-31	CERAMIC 33PF 5% 50V
C113	1-123-330-00	ELECT 22MF 20% 25V
C114	1-107-159-00	MICA 33PF 5% 500V
C115	1-123-356-00	ELECT 10MF 20% 50V
C116	1-124-186-00	ELECT 10MF 20% 50V
C117	1-136-169-00	FILM 0.22MF 5% 50V
C118	1-136-169-00	FILM 0.22MF 5% 50V
C119	1-136-162-00	FILM 0.056MF 5% 50V
C120	1-136-162-00	FILM 0.056MF 5% 50V
C121	1-110-202-00	MYLAR 0.0039MF 5% 50V
C122	1-110-202-00	MYLAR 0.0039MF 5% 50V
C123	1-136-155-00	FILM 0.015MF 5% 50V
C124	1-136-155-00	FILM 0.015MF 5% 50V
C125	1-123-380-00	ELECT 1MF 20% 50V
C126	1-123-369-00	ELECT 4.7MF 20% 50V
C127	1-110-201-00	MYLAR 0.0033MF 5% 50V
C131	1-124-907-00	ELECT 10MF 20% 50V

ELECTRICAL PARTS

Ref.No.	Part No.	Description
C132	1-124-904-00	ELECT 2.2MF 20% 50V
C133	1-124-903-00	ELECT 1MF 20% 50V
C201	1-123-380-00	ELECT 1MF 20% 50V
C202	1-136-157-00	FILM 0.022MF 5% 50V
C203	1-123-356-00	ELECT 10MF 20% 50V
C204	1-123-330-00	ELECT 22MF 20% 25V
C205	1-104-255-11	POLYSTYRENE 0.0018MF 5% 125V
C206	1-123-356-00	ELECT 10MF 20% 50V
C207	1-162-282-31	CERAMIC 100PF 10% 50V
C208	1-162-282-31	CERAMIC 100PF 10% 50V
C211	1-104-228-00	POLYSTYRENE 0.0015MF 5% 125V
C212	1-162-211-31	CERAMIC 33PF 5% 50V
C213	1-123-330-00	ELECT 22MF 20% 25V
C214	1-107-159-00	MICA 33PF 5% 500V
C215	1-123-356-00	ELECT 10MF 20% 50V
C216	1-124-186-00	ELECT 10MF 20% 50V
C217	1-136-169-00	FILM 0.22MF 5% 50V
C218	1-136-169-00	FILM 0.22MF 5% 50V
C219	1-136-162-00	FILM 0.056MF 5% 50V
C220	1-136-162-00	FILM 0.056MF 5% 50V
C221	1-110-202-00	MYLAR 0.0039MF 5% 50V
C222	1-110-202-00	MYLAR 0.0039MF 5% 50V
C223	1-136-155-00	FILM 0.015MF 5% 50V
C224	1-136-155-00	FILM 0.015MF 5% 50V
C225	1-123-380-00	ELECT 1MF 20% 50V
C226	1-123-369-00	ELECT 4.7MF 20% 50V
C227	1-110-201-00	MYLAR 0.0033MF 5% 50V
C231	1-124-907-00	ELECT 10MF 20% 50V
C232	1-124-904-00	ELECT 2.2MF 20% 50V
C233	1-124-903-00	ELECT 1MF 20% 50V
C301	1-123-333-00	ELECT 100MF 20% 25V
C302	1-123-333-00	ELECT 100MF 20% 25V
C303	1-123-330-00	ELECT 22MF 20% 25V
C304	1-123-330-00	ELECT 22MF 20% 25V
C305	1-124-700-11	ELECT 33MF 20% 25V
C306	1-124-700-11	ELECT 33MF 20% 25V
C307	1-123-310-00	ELECT 470MF 20% 10V
C308	1-123-308-00	ELECT 220MF 20% 10V
C309	1-123-308-00	ELECT 220MF 20% 10V
C310	1-123-330-00	ELECT 22MF 20% 25V
C311	1-123-330-00	ELECT 22MF 20% 25V
C312	1-123-330-00	ELECT 22MF 20% 25V
C313	1-123-330-00	ELECT 22MF 20% 25V
C314	1-123-330-00	ELECT 22MF 20% 25V
C315	1-123-330-00	ELECT 22MF 20% 25V

## ELECTRICAL PARTS

Ref.No.	Part No.	Description				
C316	1-123-330-00	ELECT	22MF	20%	25V	
C317	1-123-380-00	ELECT	1MF	20%	50V	
C318	1-123-330-00	ELECT	22MF	20%	25V	
C319	1-162-282-31	CERAMIC	100PF	10%	50V	
C320	1-162-596-00	CERAMIC	0.022MF		25V	
C321	1-162-203-31	CERAMIC	15PF	5%	50V	
C322	1-162-195-31	CERAMIC	4.7PF	10%	50V	
C323	1-162-294-31	CERAMIC	0.001MF	10%	50V	
C324	1-162-596-00	CERAMIC	0.022MF		25V	
C325	1-162-294-31	CERAMIC	0.001MF	10%	50V	
C326	1-162-596-00	CERAMIC	0.022MF		25V	
C331	1-162-596-00	CERAMIC	0.022MF		25V	
C332	1-123-330-00	ELECT	22MF	20%	25V	
C333	1-123-330-00	ELECT	22MF	20%	25V	
C335	1-162-294-31	CERAMIC	0.001MF	10%	50V	
C336	1-162-282-31	CERAMIC	100PF	10%	50V	
C337	1-123-330-00	ELECT	22MF	20%	25V	
C339	1-123-330-00	ELECT	22MF	20%	25V	
C340	1-123-330-00	ELECT	22MF	20%	25V	
C341	1-123-330-00	ELECT	22MF	20%	25V	
C342	1-123-330-00	ELECT	22MF	20%	25V	
C344	1-123-330-00	ELECT	22MF	20%	25V	
C345	1-123-330-00	ELECT	22MF	20%	25V	
C346	1-123-330-00	ELECT	22MF	20%	25V	
C347	1-123-330-00	ELECT	22MF	20%	25V	
C348	1-123-330-00	ELECT	22MF	20%	25V	
C349	1-123-330-00	ELECT	22MF	20%	25V	
C350	1-123-330-00	ELECT	22MF	20%	25V	
C351	1-123-308-00	ELECT	220MF	20%	10V	
C401	1-162-211-31	CERAMIC	33PF	5%	50V	
C402	1-162-211-31	CERAMIC	33PF	5%	50V	
C403	1-162-596-00	CERAMIC	0.022MF		25V	
C404	1-162-596-00	CERAMIC	0.022MF		25V	
C405	1-124-468-11	ELECT	100MF	20%	6.3V	
C406	1-124-468-11	ELECT	100MF	20%	6.3V	
C407	1-162-596-00	CERAMIC	0.022MF		25V	
C408	1-162-561-11	CERAMIC	0.1MF		16V	
C409	1-162-561-11	CERAMIC	0.1MF		16V	
C410	1-162-561-11	CERAMIC	0.1MF		16V	
C411	1-162-561-11	CERAMIC	0.1MF		16V	
C412	1-162-561-11	CERAMIC	0.1MF		16V	
C413	1-162-596-00	CERAMIC	0.022MF		25V	
C414	1-162-596-00	CERAMIC	0.022MF		25V	
C415	1-162-561-11	CERAMIC	0.1MF		16V	
C416	1-124-468-11	ELECT	100MF	20%	6.3V	
C417	1-162-596-00	CERAMIC	0.022MF		25V	
C418	1-162-596-00	CERAMIC	0.022MF		25V	
C419	1-162-596-00	CERAMIC	0.022MF		25V	
C420	1-162-596-00	CERAMIC	0.022MF		25V	
C421	1-162-596-00	CERAMIC	0.022MF		25V	
C422	1-124-903-00	ELECT	1MF	20%	50V	
C423	1-124-907-00	ELECT	10MF	20%	50V	
C424	1-162-596-00	CERAMIC	0.022MF		25V	
C425	1-162-596-00	CERAMIC	0.022MF		25V	
C426	1-124-468-11	ELECT	100MF	20%	6.3V	
C427	1-162-596-00	CERAMIC	0.022MF		25V	
C428	1-162-561-11	CERAMIC	0.1MF		16V	

## ELECTRICAL PARTS

Ref.No.	Part No.	Description				
C429	1-124-481-11	ELECT	22MF	20%	25V	
C430	1-162-596-00	CERAMIC	0.022MF		25V	
C501	1-123-645-00	ELECT	33MF	20%	10V	
C502	1-123-612-00	ELECT	2.2MF	20%	50V	
C503	1-123-613-00	ELECT	3.3MF	20%	50V	
C504	1-162-596-00	CERAMIC	0.022MF		25V	
C901	1-124-563-11	ELECT	2200MF	20%	25V	
C902	1-124-563-11	ELECT	2200MF	20%	25V	
C903	1-124-557-11	ELECT	1000MF	20%	25V	
C905	1-123-321-00	ELECT	220MF	20%	16V	
C906	1-123-321-00	ELECT	220MF	20%	16V	
C907	1-124-897-11	ELECT	3300MF	20%	16V	
C908	1-124-897-11	ELECT	3300MF	20%	16V	
C909	1-124-897-11	ELECT	3300MF	20%	16V	
C910	1-123-343-00	ELECT	33MF	20%	25V	
C911	1-124-481-11	ELECT	22MF	20%	25V	
C912	1-124-473-11	ELECT	1000MF	20%	10V	
C913	1-136-165-00	FILM	0.1MF	5%	50V	
C914	1-124-900-51	ELECT	470MF	20%	35V	
C915	1-124-911-51	ELECT	220MF	20%	50V	
C916	1-124-907-00	ELECT	10MF	20%	50V	
C917	1-124-910-91	ELECT	47MF	20%	50V	
C918	1-124-927-11	ELECT	4.7MF	20%	50V	
C919	1-162-596-00	CERAMIC	0.022MF		25V	
C920	1-162-596-00	CERAMIC	0.022MF		25V	
C921	1-162-596-00	CERAMIC	0.022MF		25V	
C922	1-162-596-00	CERAMIC	0.022MF		25V	
CNJ101	1-507-908-11	JACK, PIN 4P				
CNJ102	1-507-908-11	JACK, PIN 4P				
CNJ201	1-507-908-11	JACK, PIN 4P				
CNJ202	1-507-908-11	JACK, PIN 4P				
CNP1	*1-560-339-00	PIN, CONNECTOR 9P				
CNP2	*1-564-339-00	PIN, CONNECTOR 5P				
CNP3	*1-564-495-11	PIN, CONNECTOR 2P				
CNP4	*1-564-341-11	PIN, CONNECTOR 7P				
CNP5	*1-564-341-11	PIN, CONNECTOR 7P				
CNP6	*1-564-342-11	PIN, CONNECTOR 8P				
CP101	1-807-492-11	DIODE (LED BLOCK)				
CP201	1-807-492-11	DIODE (LED BLOCK)				
CP501	1-232-154-00	COMPOSITION CIRCUIT BLOCK				
D101	8-719-933-54	DIODE HZS9A2L				
D102	8-719-911-19	DIODE 1SS119				
D103	8-719-933-38	DIODE HZS6B3L				
D201	8-719-933-53	DIODE HZS9A2L				
D202	8-719-911-19	DIODE 1SS119				
D203	8-719-933-38	DIODE HZS6B3L				
D301	8-719-933-39	DIODE HZS6C1L				
D302	8-719-933-39	DIODE HZS6C1L				
D303	8-719-933-38	DIODE HZS6B3L				
D304	8-719-911-19	DIODE 1SS119				
D305	8-719-933-38	DIODE HZS6B3L				
D306	8-719-911-19	DIODE 1SS119				
D307	8-719-911-19	DIODE 1SS119				
D308	8-719-911-19	DIODE 1SS119				
D309	8-719-802-08	DIODE TLR208				
D401	8-719-911-19	DIODE 1SS119				
D402	8-719-911-19	DIODE 1SS119				
D403	8-719-911-19	DIODE 1SS119				

## ELECTRICAL PARTS

Ref.No.	Part No.	Description
D404	8-719-911-19	DIODE 1SS119
D405	8-719-911-19	DIODE 1SS119
D406	8-719-911-19	DIODE 1SS119
D407	8-719-911-19	DIODE 1SS119
D408	8-719-911-19	DIODE 1SS119
D409	8-719-911-19	DIODE 1SS119
D410	8-719-911-19	DIODE 1SS119
D411	8-719-911-19	DIODE 1SS119
D412	8-719-911-19	DIODE 1SS119
D413	8-719-911-19	DIODE 1SS119
D501	8-719-301-38	DIODE SEL2210S-C
D502	8-719-301-38	DIODE SEL2210S-C
D503	8-719-301-38	DIODE SEL2210S-C
D504	8-719-301-38	DIODE SEL2210S-C
D505	8-719-301-38	DIODE SEL2210S-C
D506	8-719-301-38	DIODE SEL2210S-C
D507	8-719-301-38	DIODE SEL2210S-C
D508	8-719-301-38	DIODE SEL2210S-C
D509	8-719-301-38	DIODE SEL2210S-C
D510	8-719-301-38	DIODE SEL2210S-C
D511	8-719-301-38	DIODE SEL2210S-C
D512	8-719-301-38	DIODE SEL2210S-C
D513	8-719-301-38	DIODE SEL2210S-C
D514	8-719-301-38	DIODE SEL2210S-C
D515	8-719-301-38	DIODE SEL2210S-C
D516	8-719-301-38	DIODE SEL2210S-C
D517	8-719-301-38	DIODE SEL2210S-C
D518	8-719-301-38	DIODE SEL2210S-C
D519	8-719-301-38	DIODE SEL2210S-C
D520	8-719-929-15	DIODE HZS9.1N82
D521	8-719-107-94	DIODE 1SS202-1
D522	8-719-107-94	DIODE 1SS202-1
D523	8-719-107-94	DIODE 1SS202-1
D524	8-719-107-94	DIODE 1SS202-1
D525	8-719-107-94	DIODE 1SS202-1
D526	8-719-107-94	DIODE 1SS202-1
D527	8-719-107-94	DIODE 1SS202-1
D528	8-719-107-94	DIODE 1SS202-1
D529	8-719-107-94	DIODE 1SS202-1
D530	8-719-107-94	DIODE 1SS202-1
D531	8-719-107-94	DIODE 1SS202-1
D532	8-719-107-94	DIODE 1SS202-1
D533	8-719-107-94	DIODE 1SS202-1
D901	8-719-210-12	DIODE 10DF2
D902	8-719-210-12	DIODE 10DF2
D903	8-719-210-12	DIODE 10DF2
D904	8-719-210-12	DIODE 10DF2
D905	8-719-200-77	DIODE 10E2N
D906	8-719-200-77	DIODE 10E2N
D907	8-719-210-12	DIODE 10DF2
D908	8-719-210-12	DIODE 10DF2
D909	8-719-210-12	DIODE 10DF2
D910	8-719-210-12	DIODE 10DF2
D911	8-719-200-77	DIODE 10E2N
D912	8-719-200-77	DIODE 10E2N
D913	8-719-934-15	DIODE HZS24-3L
D914	8-719-933-48	DIODE HZS7B3L
D915	8-719-911-19	DIODE 1SS119

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

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

## ELECTRICAL PARTS

Ref.No.	Part No.	Description
F1-F4	1-532-215-11	(AE, E3) FUSE, TIME LAG 0.8A 250V
F1-F4	1-532-739-11	(J, OS, D, P) FUSE, GLASS TUBE 0.8A 125V
FLD501	1-519-397-11	INDICATOR TUBE, FLUORESCENT
IC101	8-759-745-60	IC NJM4560D
IC102	8-759-910-75	IC LF353DP
IC103	8-759-910-75	IC LF353DP
IC104	8-759-910-75	IC LF353DP
IC105	8-759-909-98	IC CX-7976
IC106	8-759-700-40	IC NJM4560S
IC107	8-759-700-40	IC NJM4560S
IC108	8-759-912-79	IC 1R2E02
IC201	8-759-745-60	IC NJM4560D
IC202	8-759-910-75	IC LF353DP
IC203	8-759-910-75	IC LF353DP
IC204	8-759-910-75	IC LF353DP
IC205	8-759-909-98	IC CX-7976
IC206	8-759-700-40	IC NJM4560S
IC207	8-759-700-40	IC NJM4560S
IC208	8-759-912-79	IC 1R2E02
IC301	8-759-700-20	IC NJM78M05A
IC302	8-759-700-11	IC NJM78M05A
IC303	8-759-700-20	IC NJM78M05A
IC304	8-759-745-60	IC NJM4560D
IC305	8-752-001-80	IC CX20018
IC306	8-752-001-70	IC CX20017
IC307	8-759-202-13	IC TC74HC04P
IC308	8-759-140-53	IC UPD4053BC
IC309	8-759-708-05	IC NJM78L05A
IC310	8-759-745-60	IC NJM4560D
IC401	8-759-927-77	IC CXD1079Q
IC402	8-759-929-47	IC M881464-10
IC403	8-759-929-47	IC M881464-10
IC404	8-759-929-47	IC M881464-10
IC405	8-759-929-47	IC M881464-10
IC406	8-759-303-78	IC HD63803XP
IC407	8-759-108-85	IC UPD27C256C-SDR1000
IC408	8-759-102-95	IC UPD4464C-15
IC409	8-759-303-74	IC HD63850P
IC410	8-759-000-99	IC MC74HC74C
IC411	8-759-001-00	IC MC74HC132N
IC412	8-759-202-74	IC TC74HC04P
IC413	8-759-916-15	IC SN74HC05N
IC501	8-759-108-75	IC UPD7528C-036
IC901	8-759-170-12	IC UPC78M12H
IC902	8-759-700-11	IC NJM78M05A
IC903	8-759-700-11	IC NJM78M05A
J101	1-563-363-11	JACK, LARGE TYPE 2P
J102	1-563-363-11	JACK, LARGE TYPE 2P
J201	1-563-363-11	JACK, LARGE TYPE 2P
J202	1-563-363-11	JACK, LARGE TYPE 2P
J401	1-563-363-11	JACK, LARGE TYPE 2P
J402	1-563-363-11	JACK, LARGE TYPE 2P
J403	1-563-169-11	CONNECTOR, DIN 5P
J404	1-563-169-11	CONNECTOR, DIN 5P
J405	1-563-369-11	CONNECTOR, DIN 6P
L301	1-408-902-21	MICRO INDUCTOR 0.47UH
LF1	1-421-340-00	LINE FILTER

## ELECTRICAL PARTS

Ref.No.	Part No.	Description			
LPF101	1-464-664-11	FILTER UNIT, LOW PASS			
LPF102	1-464-664-11	FILTER UNIT, LOW PASS			
LPF201	1-464-664-11	FILTER UNIT, LOW PASS			
LPF202	1-464-664-11	FILTER UNIT, LOW PASS			
PH401	8-719-938-71	PC900			
Q101	8-769-162-00	TRANSISTOR 2SK152			
Q102	8-769-162-00	TRANSISTOR 2SK152			
Q103	8-729-107-98	TRANSISTOR 2SC3622A-L			
Q201	8-769-162-00	TRANSISTOR 2SK152			
Q202	8-769-162-00	TRANSISTOR 2SK152			
Q203	8-729-107-98	TRANSISTOR 2SC3622A-L			
Q301	8-729-180-93	TRANSISTOR 2SD809			
Q302	8-729-315-22	TRANSISTOR 2SD1152			
Q303	8-729-315-22	TRANSISTOR 2SD1152			
Q304	8-729-203-02	TRANSISTOR 2SK30A-0			
Q305	8-729-173-13	TRANSISTOR 2SB731			
Q306	8-729-384-48	TRANSISTOR 2SA844			
Q307	8-729-384-48	TRANSISTOR 2SA844			
Q308	8-729-203-02	TRANSISTOR 2SK30A-0			
Q401	8-729-900-61	TRANSISTOR DTA114ES			
Q402	8-729-900-89	TRANSISTOR DTC114ES			
Q403	8-729-900-80	TRANSISTOR DTC114ES			
Q404	8-729-117-54	TRANSISTOR 2SA1175			
Q501	8-729-900-80	TRANSISTOR DTC114ES			
Q502	8-729-900-80	TRANSISTOR DTC114ES			
Q503	8-729-900-80	TRANSISTOR DTC114ES			
Q504	8-729-900-80	TRANSISTOR DTC114ES			
Q505	8-729-900-80	TRANSISTOR DTC114ES			
Q506	8-729-900-80	TRANSISTOR DTC114ES			
Q507	8-729-900-80	TRANSISTOR DTC114ES			
Q508	8-729-900-80	TRANSISTOR DTC114ES			
Q509	8-729-900-80	TRANSISTOR DTC114ES			
Q510	8-729-900-80	TRANSISTOR DTC114ES			
Q511	8-729-900-80	TRANSISTOR DTC114ES			
Q512	8-729-900-80	TRANSISTOR DTC114ES			
Q513	8-729-900-89	TRANSISTOR DTC114ES			
Q514	8-729-900-89	TRANSISTOR DTC114ES			
Q515	8-729-900-89	TRANSISTOR DTC114ES			
Q516	8-729-900-61	TRANSISTOR DTA114ES			
Q517	8-729-900-61	TRANSISTOR DTA114ES			
Q518	8-729-900-61	TRANSISTOR DTA114ES			
Q901	8-729-802-22	TRANSISTOR 2SB1014			
Q902	8-729-606-33	TRANSISTOR 2SC2603-F			
Q903	8-729-606-33	TRANSISTOR 2SC2603-F			
Q904	8-729-606-33	TRANSISTOR 2SC2603-F			
Q905	8-729-900-89	TRANSISTOR DTC114ES			
Q906	8-729-900-89	TRANSISTOR DTC114ES			
Q907	8-729-117-54	TRANSISTOR 2SA1175			
R101	1-249-947-11	CARBON	10K	1%	1/4W
R102	1-249-915-11	CARBON	470	1%	1/4W
R103	1-249-608-91	CARBON	220K		1/4W
R104	1-249-608-91	CARBON	220K		1/4W
R105	1-247-704-11	CARBON	220		1/4W
R106	1-249-930-91	CARBON	2K	1%	1/4W
R107	1-249-919-11	CARBON	680	1%	1/4W
R108	1-249-944-91	CARBON	7.5K	1%	1/4W
R109	1-249-469-11	CARBON	100K		1/4W

## ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R110	1-247-717-11	CARBON	2.2K	1%	1/4W
R111	1-249-941-91	CARBON	5.6K	1%	1/4W
R112	1-249-947-11	CARBON	10K	1%	1/4W
R113	1-249-589-11	CARBON	36K		1/4W
R114	1-249-429-11	CARBON	10K		1/6W
R115	1-249-947-11	CARBON	10K	1%	1/4W
R116	1-249-919-11	CARBON	680	1%	1/4W
R117	1-249-556-11	CARBON	1.5K		1/4W
R118	1-247-163-00	CARBON	22K		1/4W
R119	1-247-708-11	CARBON	470		1/4W
R120	1-247-713-11	CARBON	1K		1/4W
R121	1-247-163-00	CARBON	22K		1/4W
R122	1-247-717-11	CARBON	2.2K		1/4W
R123	1-247-145-00	CARBON	3.9K		1/4W
R124	1-249-429-11	CARBON	10K	5%	1/6W
R131	1-249-425-11	CARBON	4.7K	5%	1/6W
R132	1-249-421-11	CARBON	2.2K	5%	1/6W
R133	1-249-951-11	CARBON	15K	1%	1/4W
R134	1-247-193-00	CARBON	22K	1%	1/4W
R135	1-247-725-11	CARBON	10K		1/4W
R136	1-249-951-11	CARBON	15K	1%	1/4W
R137	1-247-725-11	CARBON	10K		1/4W
R138	1-249-949-91	CARBON	12K	1%	1/4W
R139	1-247-704-11	CARBON	220		1/4W
R140	1-249-949-91	CARBON	12K	1%	1/4W
R141	1-249-429-11	CARBON	10K	5%	1/6W
R142	1-247-845-00	CARBON	3.9K	5%	1/6W
R143	1-247-895-00	CARBON	470K	5%	1/6W
R144	1-249-434-11	CARBON	27K	5%	1/6W
R145	1-247-838-00	CARBON	2K	5%	1/6W
R146	1-247-895-00	CARBON	470K	5%	1/6W
R147	1-249-434-11	CARBON	27K	5%	1/6W
R148	1-247-837-00	CARBON	1.8K	5%	1/6W
R149	1-247-895-00	CARBON	470K	5%	1/6W
R150	1-249-434-11	CARBON	27K	5%	1/6W
R151	1-249-419-11	CARBON	1.5K	5%	1/6W
R152	1-247-895-00	CARBON	470K	5%	1/6W
R153	1-249-434-11	CARBON	27K	5%	1/6W
R154	1-247-836-00	CARBON	1.6K	5%	1/6W
R155	1-247-163-00	CARBON	22K		1/4W
R156	1-247-163-00	CARBON	22K		1/4W
R157	1-249-469-11	CARBON	100K		1/4W
R158	1-249-918-91	CARBON	620	1%	1/4W
R159	1-249-941-91	CARBON	5.6K	1%	1/4W
R160	1-249-949-91	CARBON	12K	1%	1/4W
R161	1-249-946-91	CARBON	9.1K	1%	1/4W
R162	1-249-918-91	CARBON	620	1%	1/4W
R163	1-247-125-00	CARBON	560		1/4W
R164	1-247-857-00	CARBON	12K	5%	1/6W
R165	1-249-941-91	CARBON	5.6K	1%	1/4W
R166	1-249-947-11	CARBON	10K	1%	1/4W
R171	1-249-435-11	CARBON	33K	5%	1/6W
R172	1-247-858-00	CARBON	13K	5%	1/6W
R173	1-249-441-11	CARBON	100K	5%	1/6W
R174	1-249-441-11	CARBON	100K	5%	1/6W
R175	1-249-429-11	CARBON	10K	5%	1/6W
R176	1-249-429-11	CARBON	10K	5%	1/6W

## ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R201	1-249-947-11	CARBON	10K	1%	1/4W
R202	1-249-915-11	CARBON	470	1%	1/4W
R203	1-249-608-91	CARBON	220K		1/4W
R204	1-249-608-91	CARBON	220K		1/4W
R205	1-247-704-11	CARBON	220		1/4W
R206	1-249-930-91	CARBON	2K	1%	1/4W
R207	1-249-919-11	CARBON	680	1%	1/4W
R208	1-249-944-91	CARBON	7.5K	1%	1/4W
R209	1-249-469-11	CARBON	100K		1/4W
R210	1-247-717-11	CARBON	2.2K	1%	1/4W
R211	1-249-941-91	CARBON	5.6K	1%	1/4W
R212	1-249-947-11	CARBON	10K	1%	1/4W
R213	1-249-589-11	CARBON	36K		1/4W
R214	1-249-429-11	CARBON	10K		1/6W
R215	1-249-947-11	CARBON	10K	1%	1/4W
R216	1-249-919-11	CARBON	680	1%	1/4W
R217	1-249-556-11	CARBON	1.5K		1/4W
R218	1-247-163-00	CARBON	22K		1/4W
R219	1-247-708-11	CARBON	470		1/4W
R220	1-247-713-11	CARBON	1K		1/4W
R221	1-247-163-00	CARBON	22K		1/4W
R222	1-247-717-11	CARBON	2.2K		1/4W
R223	1-247-145-00	CARBON	3.9K		1/4W
R224	1-249-429-11	CARBON	10K	5%	1/6W
R231	1-249-425-11	CARBON	4.7K	5%	1/6W
R232	1-249-421-11	CARBON	2.2K	5%	1/6W
R233	1-249-951-11	CARBON	15K	1%	1/4W
R234	1-247-193-00	CARBON	22K	1%	1/4W
R235	1-247-725-11	CARBON	10K		1/4W
R236	1-249-951-11	CARBON	15K	1%	1/4W
R237	1-247-725-11	CARBON	10K		1/4W
R238	1-249-949-91	CARBON	12K	1%	1/4W
R239	1-247-704-11	CARBON	220		1/4W
R240	1-249-949-91	CARBON	12K	1%	1/4W
R241	1-249-429-11	CARBON	10K	5%	1/6W
R242	1-247-845-00	CARBON	3.9K	5%	1/6W
R243	1-247-895-00	CARBON	470K	5%	1/6W
R244	1-249-434-11	CARBON	27K	5%	1/6W
R245	1-247-838-00	CARBON	2K	5%	1/6W
R246	1-247-895-00	CARBON	470K	5%	1/6W
R248	1-247-837-00	CARBON	1.8K	5%	1/6W
R249	1-247-895-00	CARBON	470K	5%	1/6W
R251	1-249-419-11	CARBON	1.5K	5%	1/6W
R252	1-247-895-00	CARBON	470K	5%	1/6W
R254	1-247-836-00	CARBON	1.6K	5%	1/6W
R255	1-247-163-00	CARBON	22K		1/4W
R256	1-247-163-00	CARBON	22K		1/4W
R257	1-249-469-11	CARBON	100K		1/4W
R258	1-249-918-91	CARBON	620	1%	1/4W
R259	1-249-941-91	CARBON	5.6K	1%	1/4W
R260	1-249-949-91	CARBON	12K	1%	1/4W
R261	1-249-946-91	CARBON	9.1K	1%	1/4W
R262	1-249-918-91	CARBON	620	1%	1/4W
R263	1-247-125-00	CARBON	560		1/4W
R264	1-247-857-00	CARBON	12K	5%	1/6W
R265	1-249-941-91	CARBON	5.6K	1%	1/4W
R266	1-249-947-11	CARBON	10K	1%	1/4W
R271	1-249-435-11	CARBON	33K	5%	1/6W

## ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R272	1-247-858-00	CARBON	13K	5%	1/6W
R273	1-249-441-11	CARBON	100K	5%	1/6W
R274	1-249-441-11	CARBON	100K	5%	1/6W
R275	1-249-429-11	CARBON	10K	5%	1/6W
R276	1-249-429-11	CARBON	10K	5%	1/6W
R301	1-249-812-91	CARBON	2.7K	1%	1/2W
R302	1-249-814-91	CARBON	3.3K	1%	1/2W
R303	1-249-814-91	CARBON	3.3K	1%	1/2W
R304	1-249-812-91	CARBON	2.7K	1%	1/2W
R305	1-247-725-11	CARBON	10K		1/4W
R306	1-247-725-11	CARBON	10K		1/4W
R307	1-247-725-11	CARBON	10K		1/4W
R308	1-249-951-11	CARBON	15K	1%	1/4W
R309	1-249-425-11	CARBON	4.7K	5%	1/6W
R310	1-249-417-11	CARBON	1K	5%	1/6W
R311	1-249-422-11	CARBON	2.7K	5%	1/6W
R312	1-249-425-11	CARBON	4.7K	5%	1/6W
R313	1-247-725-11	CARBON	10K		1/4W
R314	1-249-957-91	CARBON	27K	1%	1/4W
R315	1-249-419-11	CARBON	1.5K	5%	1/6W
R316	1-249-437-11	CARBON	47K	5%	1/6W
R317	1-249-417-11	CARBON	1K	5%	1/6W
R318	1-249-417-11	CARBON	1K	5%	1/6W
R319	1-249-441-11	CARBON	100K	5%	1/6W
R401	1-249-405-11	CARBON	100	5%	1/6W
R402	1-249-405-11	CARBON	100	5%	1/6W
R403	1-249-405-11	CARBON	100	5%	1/6W
R404	1-249-405-11	CARBON	100	5%	1/6W
R405	1-249-441-11	CARBON	100K	5%	1/6W
R406	1-249-441-11	CARBON	100K	5%	1/6W
R407	1-249-441-11	CARBON	100K	5%	1/6W
R408	1-249-441-11	CARBON	100K	5%	1/6W
R413	1-249-441-11	CARBON	100K	5%	1/6W
R414	1-249-435-11	CARBON	33K	5%	1/6W
R415	1-247-891-00	CARBON	330K	5%	1/6W
R416	1-249-405-11	CARBON	100	5%	1/6W
R417	1-249-417-11	CARBON	1K	5%	1/6W
R418	1-249-429-11	CARBON	10K	5%	1/6W
R419	1-249-429-11	CARBON	10K	5%	1/6W
R420	1-249-429-11	CARBON	10K	5%	1/6W
R421	1-249-429-11	CARBON	10K	5%	1/6W
R422	1-249-429-11	CARBON	10K	5%	1/6W
R423	1-249-417-11	CARBON	1K	5%	1/6W
R424	1-249-417-11	CARBON	1K	5%	1/6W
R425	1-249-417-11	CARBON	1K	5%	1/6W
R426	1-249-433-11	CARBON	22K	5%	1/6W
R427	1-249-433-11	CARBON	22K	5%	1/6W
R428	1-249-433-11	CARBON	22K	5%	1/6W
R429	1-249-433-11	CARBON	22K	5%	1/6W
R430	1-249-433-11	CARBON	22K	5%	1/6W
R431	1-249-433-11	CARBON	22K	5%	1/6W
R432	1-249-425-11	CARBON	4.7K	5%	1/6W
R433	1-249-429-11	CARBON	10K	5%	1/6W
R434	1-247-815-00	CARBON	220	5%	1/6W
R435	1-247-815-00	CARBON	220	5%	1/6W
R436	1-247-815-00	CARBON	220	5%	1/6W
R437	1-247-815-00	CARBON	220	5%	1/6W
R438	1-249-421-11	CARBON	2.2K	5%	1/6W

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R439	1-249-429-11	CARBON	10K	5%	1/6W
R440	1-249-441-11	CARBON	100K	5%	1/6W
R441	1-249-441-11	CARBON	100K	5%	1/6W
R442	1-247-815-00	CARBON	220	5%	1/6W
R443	1-247-815-00	CARBON	220	5%	1/6W
R444	1-249-421-11	CARBON	2.2K	5%	1/6W
R501	1-247-875-00	CARBON	68K	5%	1/6W
R502	1-249-429-11	CARBON	10K	5%	1/6W
R503	1-249-417-11	CARBON	1K	5%	1/6W
R504	1-249-417-11	CARBON	1K	5%	1/6W
R505	1-249-405-11	CARBON	100	5%	1/6W
R506	1-249-405-11	CARBON	100	5%	1/6W
R507	1-249-417-11	CARBON	1K	5%	1/6W
R509	1-249-429-11	CARBON	10K	5%	1/6W
R510	1-249-429-11	CARBON	10K	5%	1/6W
R511	1-249-405-11	CARBON	100	5%	1/6W
R512	1-249-405-11	CARBON	100	5%	1/6W
R513	1-249-405-11	CARBON	100	5%	1/6W
R514	1-249-429-11	CARBON	10K	5%	1/6W
R523	1-249-434-11	CARBON	27K	5%	1/6W
R901	1-247-118-00	CARBON	300	5%	1/4W
R902	1-247-811-00	CARBON	150	5%	1/6W
R903	1-247-885-00	CARBON	180K	5%	1/6W
R904	1-249-437-11	CARBON	47K	5%	1/6W
R905	1-249-437-11	CARBON	47K	5%	1/6W
R906	1-249-425-11	CARBON	4.7K	5%	1/6W
R907	1-249-433-11	CARBON	22K	5%	1/6W
R908	1-249-421-11	CARBON	2.2K	5%	1/6W
R909	1-247-823-00	CARBON	470	5%	1/6W
R911	1-247-843-00	CARBON	3.3K	5%	1/6W
R912	1-249-433-11	CARBON	22K	5%	1/6W
R913	1-249-433-11	CARBON	22K	5%	1/6W
R914	1-249-437-11	CARBON	47K	5%	1/6W
RV101	1-237-292-11	RES, VAR, CARBON 20K/20K			
*RV102	1-230-523-11	(UP TO SERIAL NUMBER , 04,011) .....RES, ADJ, METAL GLAZE 10K			
*RV102	1-224-252-XX	(SERIAL NUMBER , 04,012 AND LATER) .....RES, ADJ, METAL GLAZE 10K			
RV103	1-230-521-11	RES, ADJ, METAL GLAZE 2.2K			
RV104	1-237-306-11	RES, VAR, CARBON 10K/10K			
RV105	1-237-306-11	RES, VAR, CARBON 10K/10K			
RV106	1-228-994-00	RES, ADJ, CARBON 10K			
RV201	1-237-292-11	RES, VAR, CARBON 20K/20K			
*RV202	1-230-523-11	(UP TO SERIAL NUMBER , 04,011) .....RES, ADJ, METAL GLAZE 10K			
*RV202	1-224-252-XX	(SERIAL NUMBER , 04,012 AND LATER) .....RES, ADJ, METAL GLAZE 10K			
RV203	1-230-521-11	RES, ADJ, METAL GLAZE 2.2K			
RV204	1-237-306-11	RES, VAR, CARBON 10K/10K			
RV205	1-237-306-11	RES, VAR, CARBON 10K/10K			
RV206	1-228-994-00	RES, ADJ, CARBON 10K			

\* : selected to yield optimum performance.

ELECTRICAL PARTS

Ref.No.	Part No.	Description
RY301	1-515-519-00	RELAY
RY302	1-515-519-00	RELAY
RY303	1-515-519-00	RELAY
S1	<del>A-1-553-318-00</del>	SWITCH, PUSH (AC POWER)(L KEY)
S2	<del>A-1-526-576-51</del>	(E3)...SELECTOR, POWER VOLTAGE
S3	1-552-571-00	SWITCH, PUSH (BYPASS)
S4	1-553-963-00	SWITCH, PUSH (1 KEY)(LEVEL)
S501	1-554-813-11	SWITCH, KEY BOARD (MEMORY)
S502	1-554-813-11	SWITCH, KEY BOARD (WRITE)
S503	1-554-813-11	SWITCH, KEY BOARD (EDIT)
S504	1-554-813-11	SWITCH, KEY BOARD (EQ)
S505	1-554-813-11	SWITCH, KEY BOARD (MIDI)
S506	1-554-303-21	SWITCH, KEY BOARD (REV.T.LOW)
S507	1-554-303-21	SWITCH, KEY BOARD (E.REF.T)
S508	1-554-303-21	SWITCH, KEY BOARD (RT.HIGH)
S509	1-554-303-21	SWITCH, KEY BOARD (SIZE)
S510	1-554-303-21	SWITCH, KEY BOARD (F.B.LEV)
S511	1-554-303-21	SWITCH, KEY BOARD (SPEED)
S512	1-554-303-21	SWITCH, KEY BOARD (CH.SYNC)
S513	1-554-303-21	SWITCH, KEY BOARD (+)
S514	1-554-303-21	SWITCH, KEY BOARD (PRE-DELAY)
S515	1-554-303-21	SWITCH, KEY BOARD (E.REF.LEV)
S516	1-554-303-21	SWITCH, KEY BOARD (PHASE)
S517	1-554-303-21	SWITCH, KEY BOARD (GATE T)
S518	1-554-303-21	SWITCH, KEY BOARD (TAP)
S519	1-554-303-21	SWITCH, KEY BOARD (DEPTH)
S520	1-554-303-21	SWITCH, KEY BOARD (CH.EDIT)
S521	1-554-303-21	SWITCH, KEY BOARD (-)
T1	<del>A-1-448-591-11</del>	(AE).....TRANSFORMER, POWER
T1	<del>A-1-448-592-11</del>	(E3).....TRANSFORMER, POWER
T1	<del>A-1-448-593-11</del>	(US,CA)...TRANSFORMER, POWER
T1	<del>A-1-448-594-11</del>	(J).....TRANSFORMER, POWER
X301	1-567-709-11	OSCILLATOR, CRYSTAL
X401	1-567-132-00	VIBLATOR, CERAMIC

ACCESSORY & PACKING MATERIAL

Part No.	Description
3-701-630-00	BAG, POLYETHYLENE
3-765-463-01	(J).....MANUAL, INSTRUCTION
3-765-463-11	(US,CA,AE,E3)...MANUAL, INSTRUCTION
3-765-463-21	(CA,AE,E3).....MANUAL, INSTRUCTION
4-916-325-01	SHEET, PROTECTION
4-916-326-01	INDIVIDUAL CARTON
4-916-328-01	CUSHION (RIGHT)
4-916-329-01	CUSHION (LEFT)

The components identified by shading and mark A are critical for safety. Replace only with part number specified.

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