

# STR-AV910/AV1010

## SERVICE MANUAL

*US Model*  
*Canadian Model*  
STR-AV910/AV1010

*E Model*  
STR-AV910



This photo is STR-AV1010

### 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 (STR-AV1010), 100 watts (STR-AV910) per channel minimum RMS power, with no more than 0.008% (STR-AV1010), 0.03% (STR-AV910) total harmonic distortion from 500 milliwatts to rated output.

#### Other Specifications

##### Amplifier section

		STR-AV1010	STR-AV910
Dynamic power output	8 ohms, at 1 kHz IHF	195 + 195 watts	140 + 140 watts
	4 ohms, at 1 kHz IHF	250 + 250 watts	190 + 190 watts
Harmonic distortion at rated output		Less than 0.008%	Less than 0.03%
Intermodulation (IM) distortion at rated output		Less than 0.008%	Less than 0.03%

##### Amplifier section

		STR-AV1010	STR-AV910
Frequency response	PHONO RIAA equalization curve	±0.5 dB	
	CD, DAT, TAPE 1, 2 VIDEO 1, 2, 3*	10 Hz - 70 kHz ±0 dB	
Residual noise		Less than 70 µV	
Damping factor (8 ohms, at 1 kHz)		50	
Input sensitivity/impedance	PHONO MM	2.5 mV, 50 kilohms	
	DAT, CD, VIDEO 1, 2, 3* TAPE 1, 2	150 mV 50 kilohms	
	S/N	87 dB 79 dB ** (A, 2.5 mV)	
Output sensitivity/impedance	DAT OUT TAPE OUT 1, 2 VIDEO 1	150 mV 10 kilohms	
	SPEAKERS A, B	Accepts speakers of 8 – 16 ohms	
	HEAD-PHONES	Accepts headphones of high and low impedance	
MUTING		-20 dB	
DBFB		+ 10 dB (70 Hz)	
Graphic Equalizer		7-band, ±10 dB at 63 Hz, 150 Hz, 400 Hz, 1 kHz, 2.4 kHz, 6 kHz, and 14 kHz	

\*STR-AV1010 only  
\*\* '78 IHF

FM STEREO / FM-AM RECEIVER  
**SONY**®

## Video section (STR-AV1010 only)

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

## FM tuner section

		STR-AV1010	STR-AV910
Frequency range		87.5 - 108.0 MHz	
Antenna terminals		75 ohms coaxial	300 ohms, balanced 75 ohms, unbalanced
Sensitivity at 50 dB		18.3 dBf, 45 μV (mono) 38.3 dBf, 45 μV (stereo)	
Usable sensitivity		11.2 dBf, 2 μV (IHF)	
S/N	Mono	84 dB	80 dB
	Stereo	78 dB	74 dB
Harmonic distortion at 1 kHz	Mono	0.2%	0.3%
	Stereo	0.4%	0.5%
IM distortion	Mono	0.2%	0.3%
	Stereo	0.4%	0.5%
Separation		45 dB at 1 kHz	
Frequency response		30 Hz - 15 kHz +0 dB -1.5 dB	30 Hz - 15 kHz +0 dB -2 dB
Selectivity		65 dB at 300 kHz	60 dB at 400 kHz
Capture ratio		1.2 dB	
AM suppression ratio		60 dB	54 dB
Image response ratio		80 dB	70 dB
IF response ratio		90 dB	70 dB
Spurious response ratio		100 dB	80 dB
RF intermodulation at 800 kHz		65 dB	60 dB
Auto tuning threshold	Low	30 dBf	
	High	50 dBf	

## AM tuning section

	STR-AV1010	STR-AV910
Frequency range	530 - 1710 kHz (with 10 kHz interval) 531 - 1710 kHz (with 9 kHz interval)	
Antenna	Loop antenna	
Usable sensitivity	50 dB/m (at 1,000 kHz or 999 kHz)	
S/N	54 dB (at 50 mV/m)	
Harmonic distortion	0.5% (50 mV/m, 400 Hz)	
Selectivity	35 dB (9 kHz), 40 dB (10 kHz)	
Auto tuning threshold	55 dB/m	

## General

		STR-AV1010	STR-AV910	
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: 250 watts Canada model: 520 VA	USA model: 210 watts Canada model: 450 VA	E model: 220 watts
AC outlets		Two switched, total 100 watts		
Dimensions		430 × 130 × 350 mm (17 × 5 <sup>1</sup> / <sub>8</sub> × 14 <sup>1</sup> / <sub>8</sub> inches)		
Weight		9.6 kg (21 lb 3 oz)	9.5 kg (21 lb)	10.4 kg (22 lb 15 oz)

### Supplied accessories



FM ribbon antenna (1), AM loop antenna (1)  
Remote Commander (1), (RM-P201 for STR-AV1010, RM-U100 for STR-AV910)  
External antenna connector (1) (STR-AV1010 only),  
Sony Batteries SUM-3(NS) (2)

Design and specifications subject to change without notice.


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### 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.

### 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.

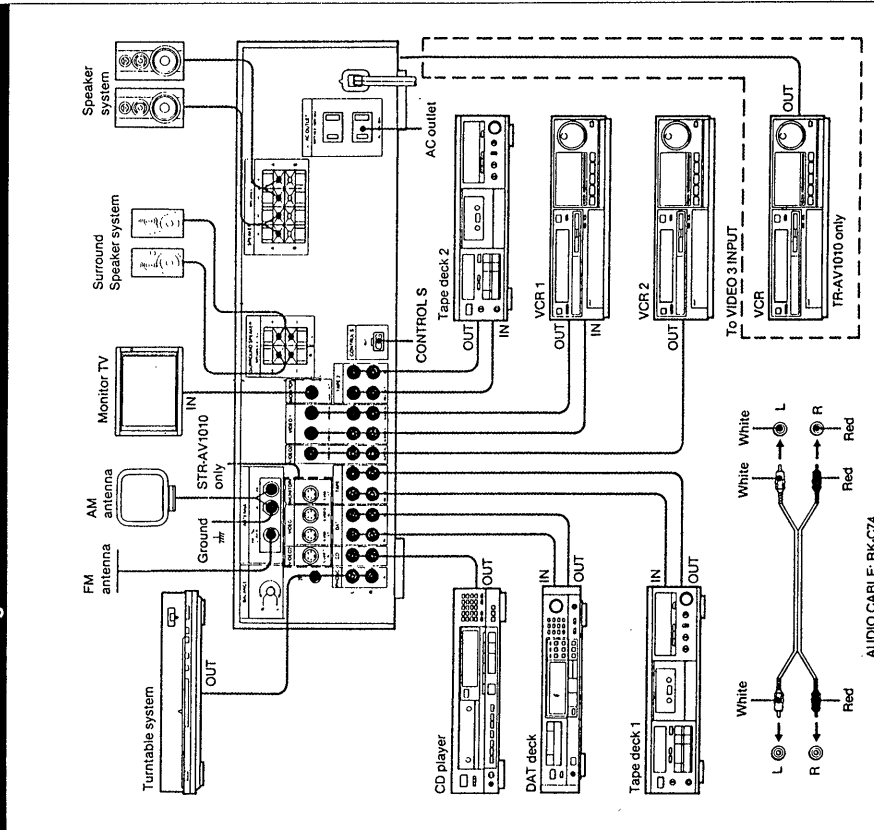
## SECTION 1 GENERAL

### 1-2. CONNECTIONS

#### Notes on Connections

- Do not connect the power cord to an AC outlet nor press the SYSTEM POWER switch before accomplishing all other connections.
- Cord plugs and jacks are color coded. Red plugs and jacks are for right channel (R) and white ones for left channel (L).
- The cable connectors should be fully inserted into the jacks. Loose connection may cause hum and noise.

#### Overall Connection Diagram



### 1-1. OUTLINE

The STR-AV1010 is a 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 lock digital synthesizer.
- Station index system allows you to tune into a station quickly.

#### Electronic graphic equalizer and Music Index system

- You can enjoy audio program sources with an appropriate equalization curve.
- Memorization of equalization curve is possible as well as curve adjustment.
- Combined use of the graphic equalizer and the preset EQ Link system allows you to very quickly tune in a preset broadcast station and immediately enjoy the sound with the memorized equalization curve.

#### Remote control

- The supplied remote commander allows you to remotely control both the unit and the equipment connected to the unit.
- The commander supplied with the STR-AV1010 can learn various functions of other remote commanders of the infrared type.

#### Surround sound system

- This unit incorporates all of five types of surround effect to it in a movie theater.
- [Dolby Surround] — expands sound just like listening to it in a movie theater.
  - Hall Surround — provides reverberation effect that is produced in a large concert hall.
  - Live surround — provides the sound effect just like listening a real live performance.
  - Stadium surround — provides the sound effect just like being in a stadium.
  - Simulated Surround — gives the feeling of width and thickness to monaural sound of old movie program, etc.

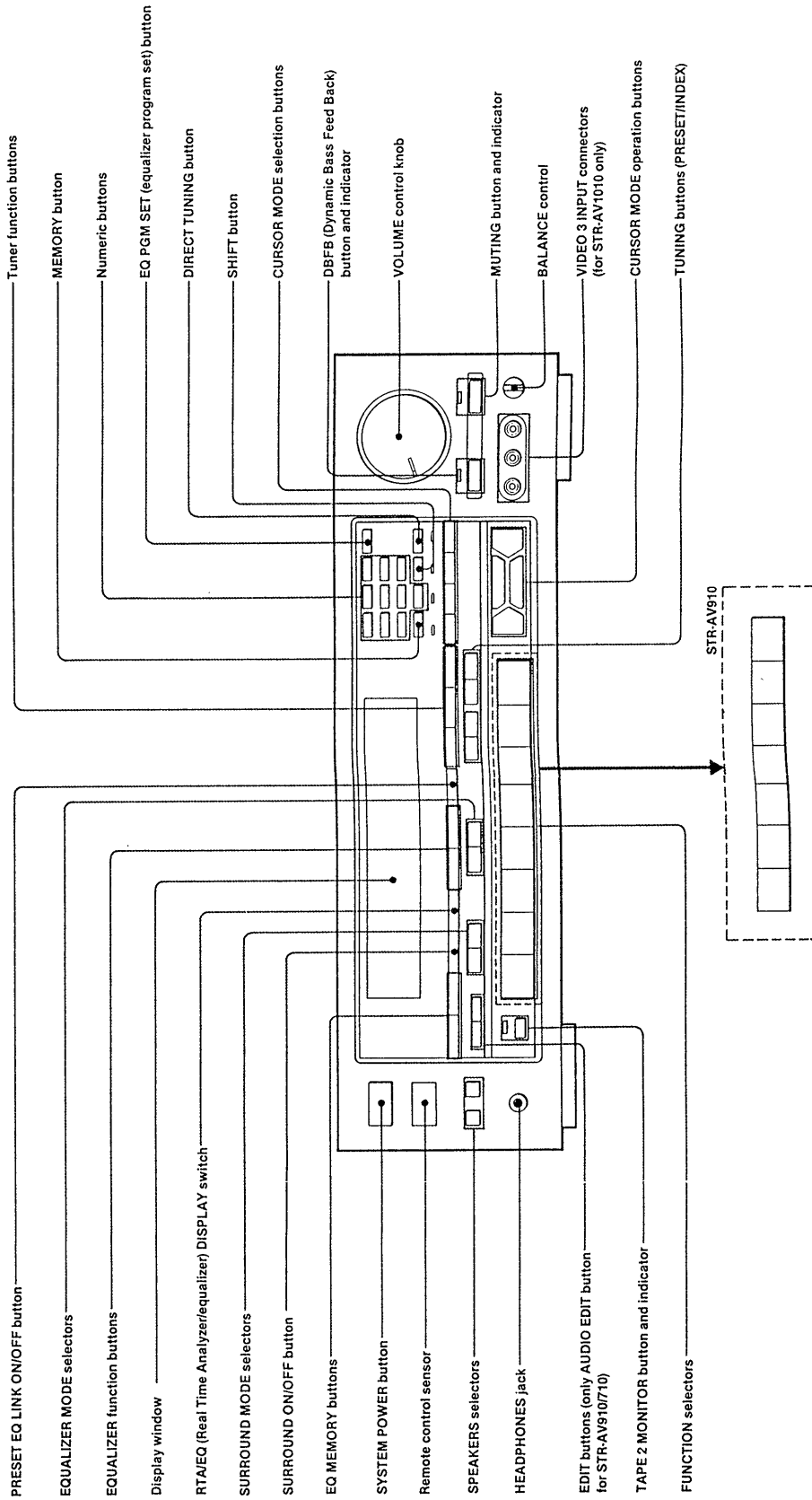
Manufactured under license from Dolby Laboratories Licensing Corporation. Additionally licensed under one or more of the following patents: U.S. numbers 3,632,886, 3,746,792, and 3,959,580; Canadian numbers 1,044,603 and 1,037,817. "DOLBY" and the double-D symbol DD are trademarks of Dolby Laboratories Licensing Corporation.

#### Display

- The frequency of each tuned-in broadcast station is displayed.
- The current selection/operation is displayed to clearly indicate what is taking place.

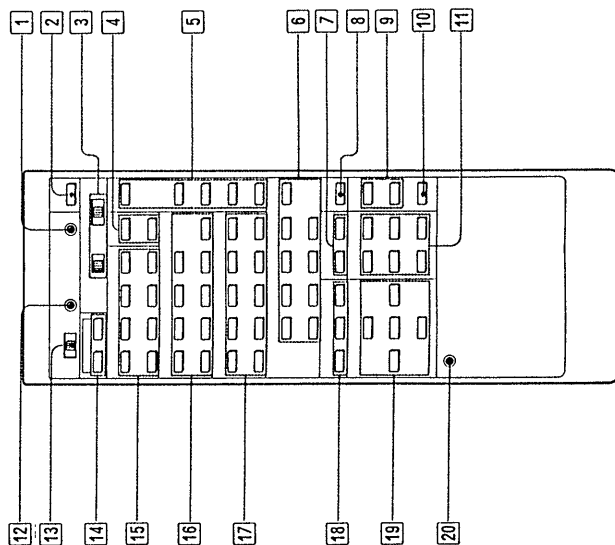
1-3. PARTS IDENTIFICATION

Front Panel



**Programmable System Commander RIM-P201 (supplied with the STR-AV1010)**

The Programmable System Commander RIM-P201 supplied with the STR-AV1010 can learn various functions of other remote commanders emitting infrared rays. When it is set to SONY STD (Sony Standard) by the mode selector, its buttons can be used to perform the functions below.



**1** PROGRAM CLEAR button

**2** POWER button  
Turns on/off the receiver.

**3** DECK and VTR selectors  
DECK A, B: Selects deck A or B.  
VTR 1, 2, 3: Selects VCR 1, 2 or 3.  
1: Betamax VCRs  
2: 8 mm VCRs  
3: VHS VCRs

**4** PHONO buttons  
START: Starts record play.  
STOP: Stops record play.

**5** TV operation buttons  
TV/VIDEO: Selects the input signal to the TV set, either a TV signal or VCR programs.  
VOL (volume) +/- buttons  
CH (channel) +/- buttons

**6** FUNCTION selectors

Note  
DIGITAL button does not function for STR-AV1010.

**7** SURROUND buttons  
ON/OFF: Turns on/off the surround mode.  
MODE: Selects the surround mode.

**8** DBFB/DBDS ON/OFF switch  
Turns on/off DBFB (Dynamic Bass Feed Back)

**9** VOL (volume) control buttons

**10** MUTING button

**11** TUNER operation buttons  
INDEX: Preset station index select buttons  
+/-: Selects a next/previous preset station under the same index.  
SELECT: Index select button  
PRESET: Preset station select buttons  
+/-: Selects a higher/lower preset channel number.  
EQ LINK: Turns on/off the equalizer link.

**12** LEARN indicator

**13** Mode selector  
SONY STD: To operate the commander on Sony standard.  
USER STD: To use the learned functions.  
LEARN: To perform learning function.

**14** TV and VTR POWER buttons  
TV: Turns on/off the TV.  
VTR: Turns on/off the VCR.

**15** CD player operation buttons

▶: Starts play.  
■: Stops play.  
◀◀▶▶: AMS (Automatic Music Sensor)  
PGM: Program play  
SHUFFLE: Shuffle play  
CONTINUE: Continuous play  
DISC SKIP: Disc skip

**16** TAPE deck operation buttons

◀◀: Reverse fast winding  
▶▶: Reverse play  
▶: Forward play  
▶▶▶: Forward fast winding  
■: Stop  
||: Pause  
●: Recording (While you press ●, press REV for reverse recording or FWD for forward recording.)

**17** VTR operation buttons

◀◀: Rewind  
▶▶: Fast forward  
■: Stop  
||: Pause  
●: Recording buttons (Press both buttons for recording.)  
ANT TV/VTR: Selects the output signal from the antenna terminal from the VCR, either TV or VCR.  
CH +/-: Channel select buttons

**18** EQUALIZER operation buttons

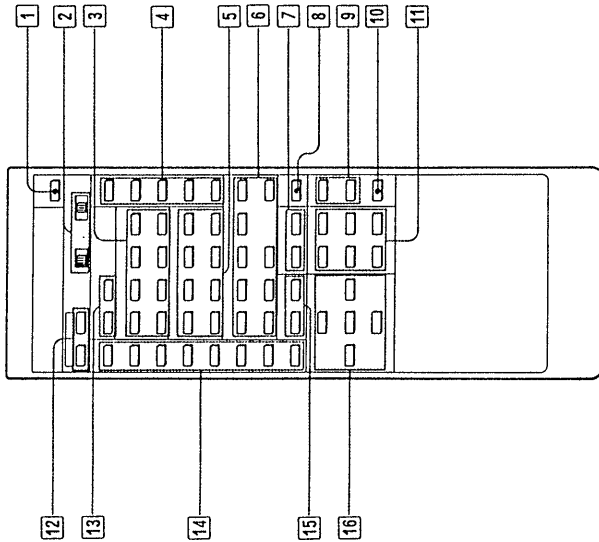
ON/OFF: Turns on/off the equalizer.  
MODE: Selects the equalizer mode (A through F).  
BAND: Selects the equalizer band.  
(This button does not function for STR-AV1010).

**19** CURSOR MODE operation buttons

**20** RESET button

Notes  
• When the CONTROL S/OUT connector is connected to the CONTROL S/IN connector of each equipment, you can control the connected equipment using this remote commander.

## Remote Commander RM-U100 (supplied with STR-AV910)



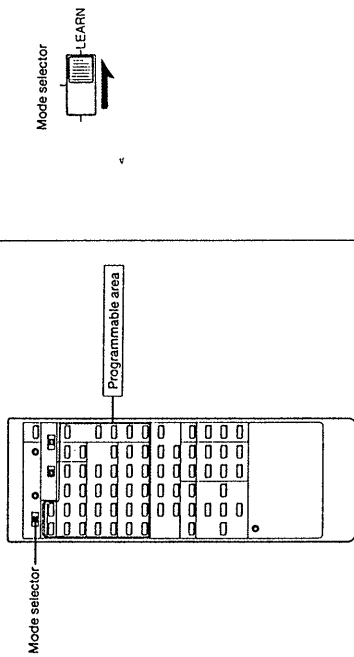
- 1** POWER button  
Turns on/off the receiver.
  - 2** DECK and VTR selectors  
DECK A, B: Selects deck A or B.  
VTR 1, 2, 3: Selects VCR 1, 2 or 3.  
1: Betamax VCRs  
2: 8 mm VCRs  
3: VHS VCRs
  - 3** CD player operation buttons  
▶: Play  
■: Stop  
◀◀▶▶: AMS (Automatic Music Sensor)  
PGM: Program play  
SHUFFLE: Shuffle play  
CONTINUE: Continuous play  
DISC SKIP: Disc skip
  - 4** TV operation buttons  
TV/VIDEO: Selects the input signal to the TV set, either a TV signal or VCR programs.  
VOL (volume) +/- buttons  
CH (channel) +/- buttons
  - 5** TAPE deck operation buttons  
◀◀: Reverse fast winding  
◀: Reverse play  
▶: Forward play  
▶▶: Forward fast winding  
■: Stop  
||: Pause  
C: Record muting  
●: Recording (While you press ●, press ◀ or ▶.)
  - 6** VTR operation buttons  
◀◀: Rewind  
▶▶: Play  
▶▶▶: Fast forward  
■: Stop  
||: Pause  
●: Recording (While you press ●, press ▶)
  - 7** SURROUND buttons  
ON/OFF: Turns on/off the surround mode.  
MODE: Selects the surround mode.
  - 8** DBFB button  
Turns on/off the DBFB (Dynamic Bass Feed Back).
  - 9** VOL (volume) control buttons
  - 10** MUTING button
  - 11** TUNER operation buttons  
INDEX: Preset station index select buttons  
+/-: Selects a next/previous preset station under the same index.  
SELECT: Index select button  
PRESET: Preset station select buttons  
+/-: Selects a higher lower preset channel number.  
EQ LINK: Turns on/off the equalizer link.
  - 12** TV and VTR POWER buttons  
TV: Turns on/off TV.  
VTR: Turns on/off VCR.
  - 13** PHONO buttons  
START: Starts record play.  
STOP: Stops record play.
  - 14** FUNCTION selectors
  - 15** EQUALIZER operation buttons  
ON/OFF: Turns on/off the equalizer.  
MODE: Selects the equalizer mode (A through F).
  - 16** CURSOR MODE operation buttons
- Notes**
- When the CONTROL S OUT connector is connected to the CONTROL S IN connector of each equipment, you can control the connected equipment using this remote commander.
- Note on the ● (recording) button under 6/VTR operation buttons**  
If your VCR is of such type as pressing ● puts it in REC PAUSE mode, first press ● on this commander and then ||.

## 1-4. USING THE REMOTE COMMANDER

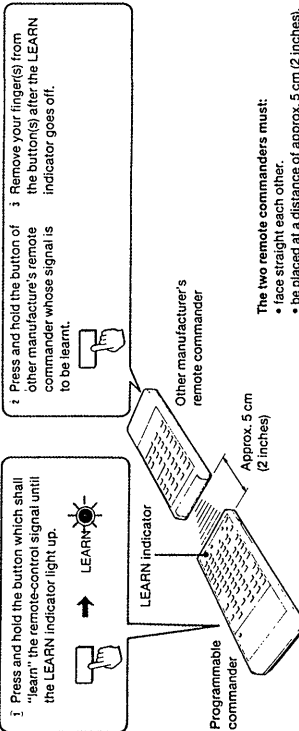
- When you manipulate a switch or button on the commander, be sure to point the head of the commander toward the remote control sensor on the front of the receiver.
- If there is an obstacle between the receiver and the head of the commander, the receiver may not be controlled remotely.

### Programming Signals of Other AudioVideo Equipment with Programmable System Commander RM-P201

Insert batteries before operating.



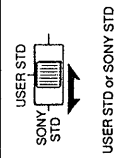
2



3

Repeat operation for each button to be programmed.

4



### After programming

Be sure to test if the equipment really works with the programmed signals.

If the LEARN indicator flashes or does not go out in step 2, 1, 3, the memory capacity has become full. This occurs when other signals stronger than the remote-control signals have been stored because the signals were programmed in a noisy environment or the remote commanders were placed too far apart from each other.

→ Clear all the signals following the procedure on the right and program again from the beginning under the proper conditions.

### Notes on programming

- Remote-control signals of equipment of manufactures other than Sony can be programmed only when they are compatible with the infrared wireless remote control system. Since the programmable commander can "learn" only the signals output from another remote commander, it cannot control equipment that do not use a remote commander. Also, note that there are some special remote-control signals that cannot be programmed.
- Do not attempt to use the programmable commander with an air conditioner or other household appliances.

To program a new signal onto a previously programmed button

Follow the programming procedure.  
The previously programmed signal is cleared and replaced by the new signal.

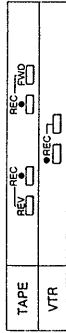
### To clear all programmed signals

- 1 Set the mode selector to LEARN.
- 2 Press and hold any button of the programmable area until the LEARN indicator lights up.
- 3 Press PROGRAM CLEAR until the LEARN indicator flashes and goes off.

### Note

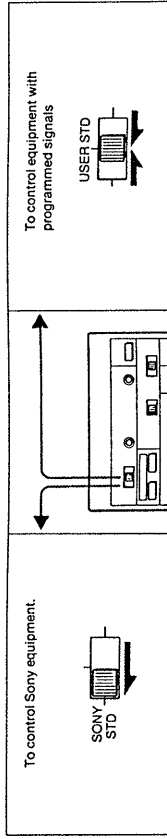
It is not possible to clear the programmed content of just one button.

To program a signal onto the ● REC button in the TAPE or VTR section  
It is not possible to operate any equipment with only the ● REC button. To program a signal under the ● REC button, press and hold the following buttons at the same time in step 2, 1.



## Controlling Equipment

By switching the mode selector as shown below, a single button alternately controls Sony equipment and another manufacturer equipment.



### When Sony equipment cannot be remote-controlled

Program the signal in the same way as for equipment from other manufacturers. In this case, even with Sony equipment, set the mode selector to USER STD.

### Battery life

Normal operation can be expected about a half year using Sony SUM-3 (MS) and a year using Sony AM-3 (NW) alkaline batteries. If the LEARN indicator does not light when a button is pressed, the batteries are almost exhausted. When the batteries are exhausted, the remote commander can no longer operate the unit or programming becomes impossible. If this happens, replace both batteries with new ones.

### If no signal has been programmed

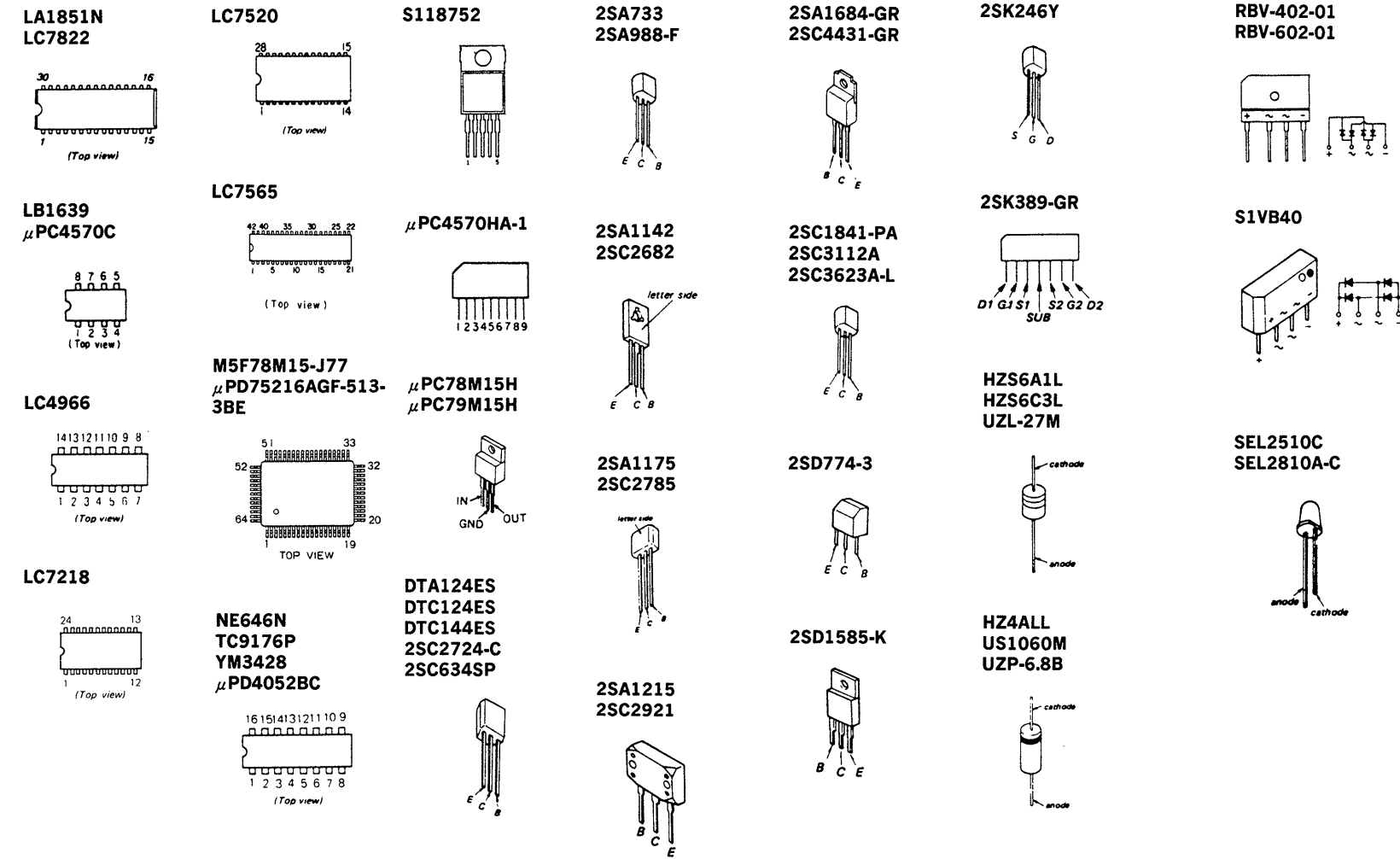
The programmable commander can control Sony equipment even when the mode selector is set to USER STD.

### If the equipment works incorrectly

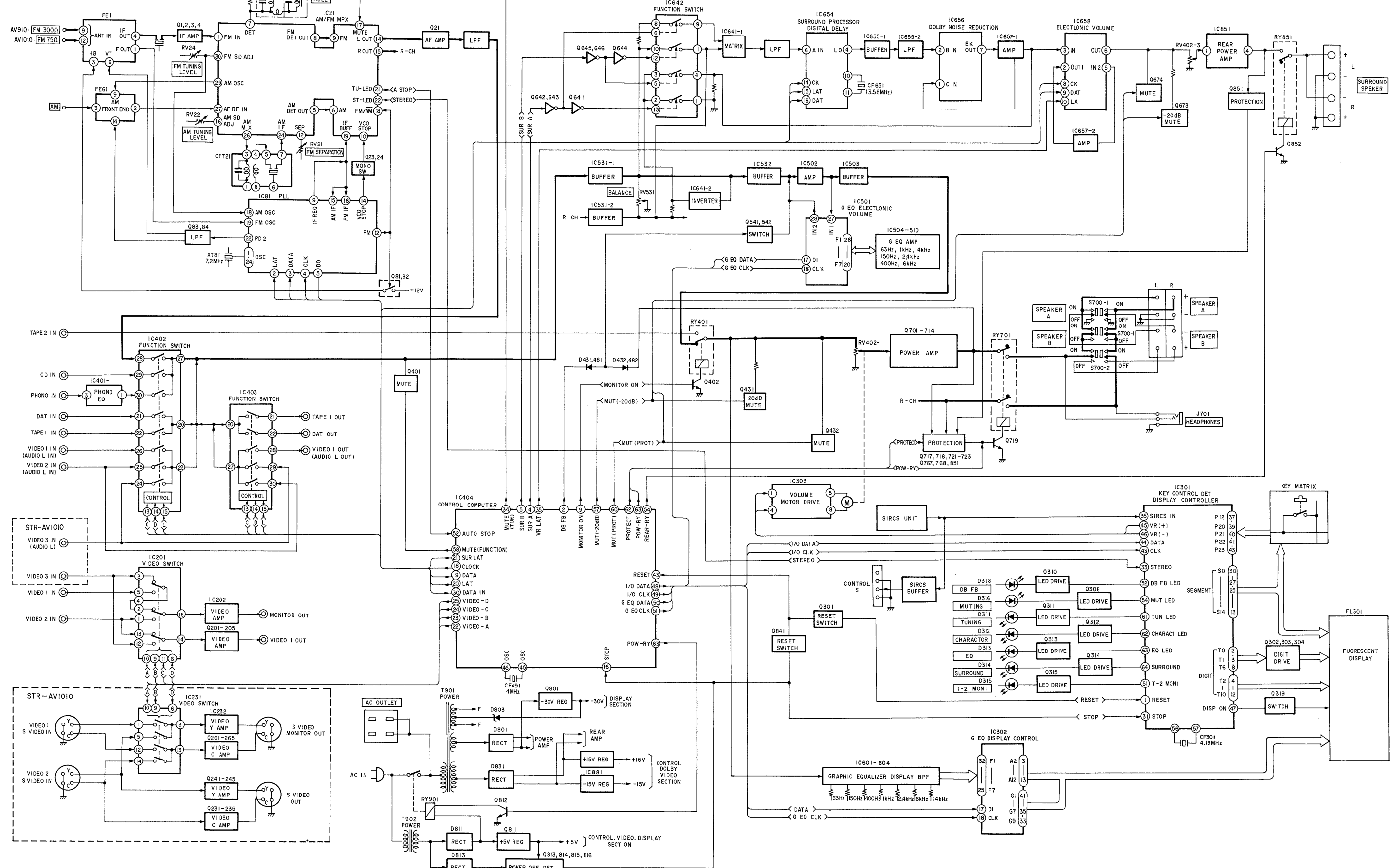
Press RESET and start again. The programmed contents of the buttons are not cleared by pressing RESET.

### SECTION 2 DIAGRAMS

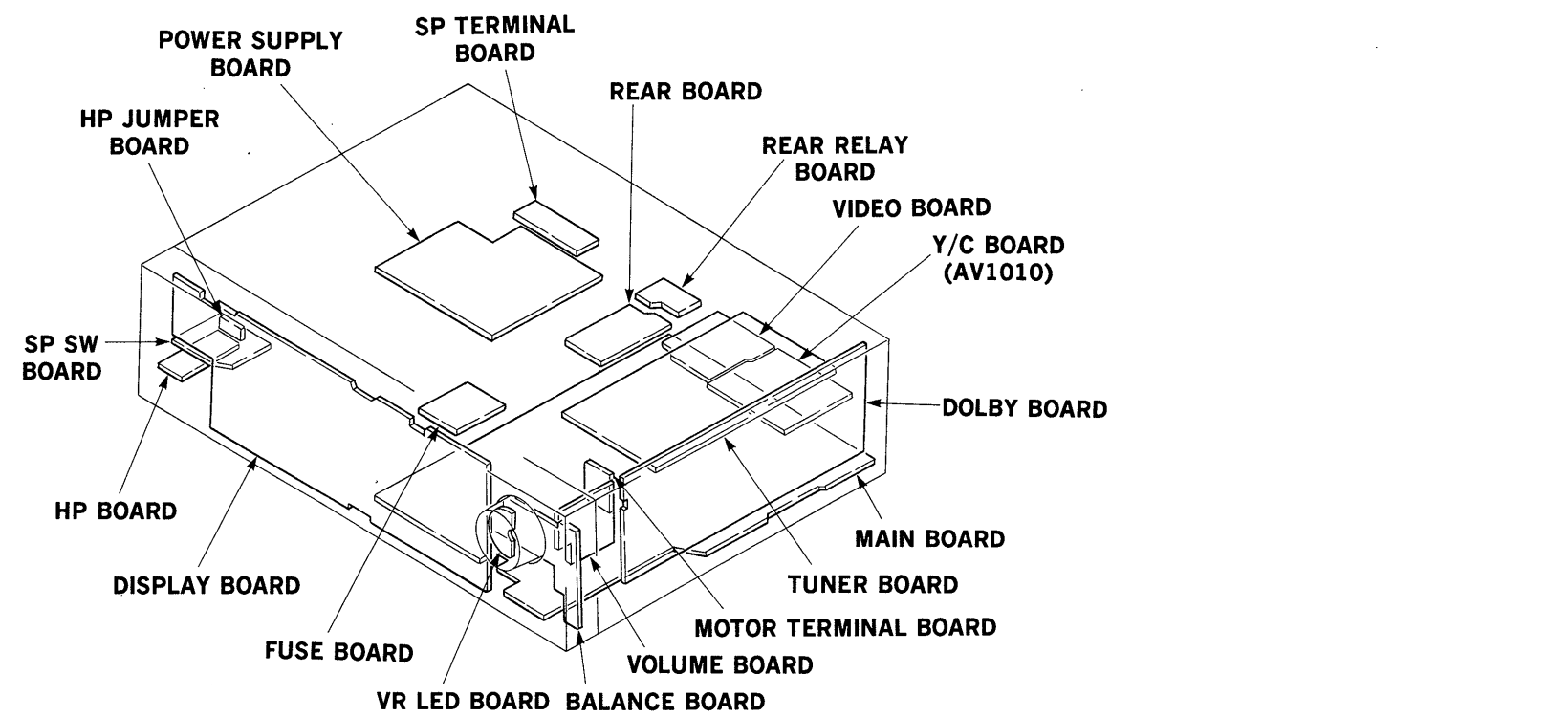
#### 2-1. SEMICONDUCTOR LEAD LAYOUTS



#### 2-3. BLOCK DIAGRAM

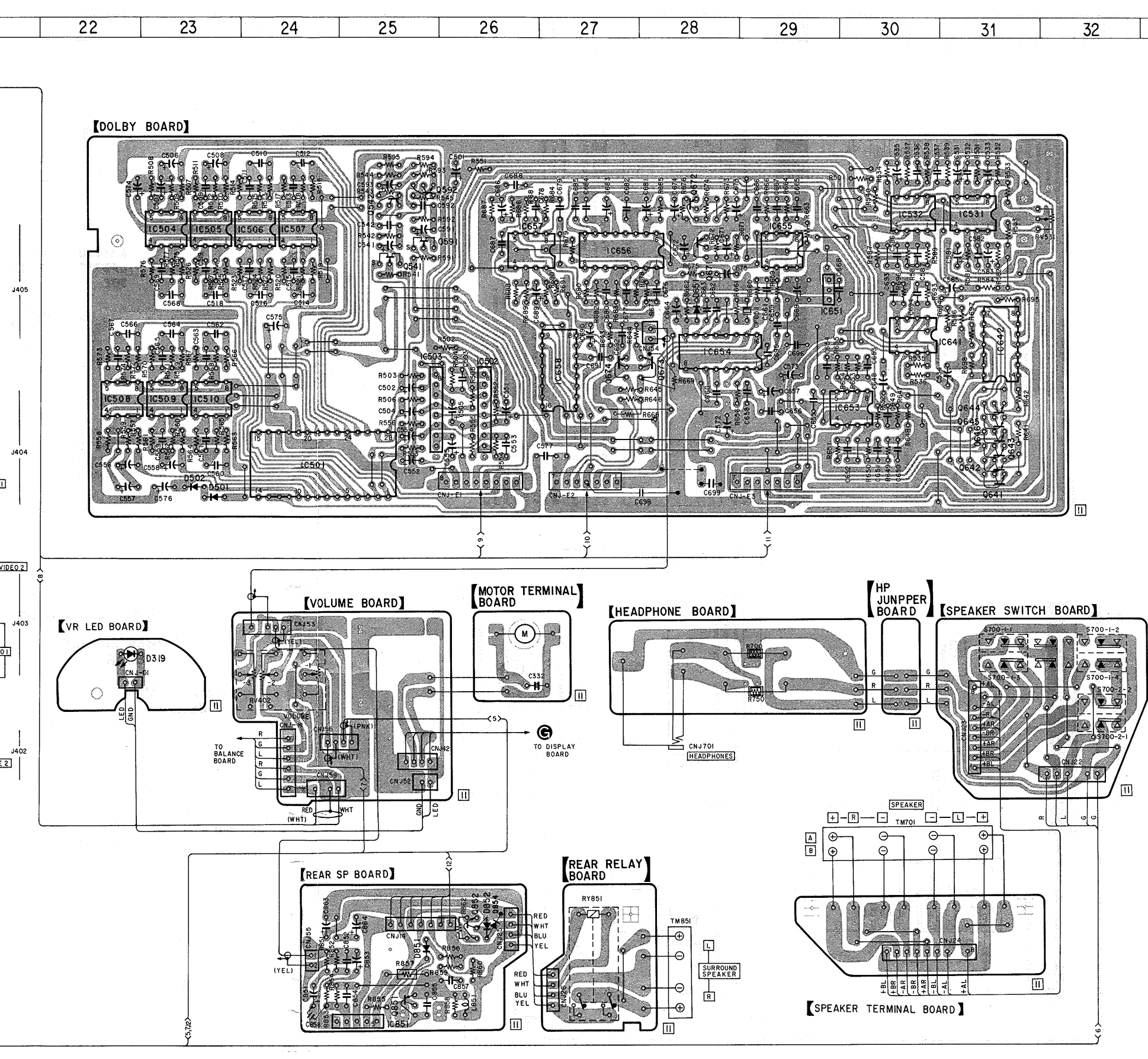
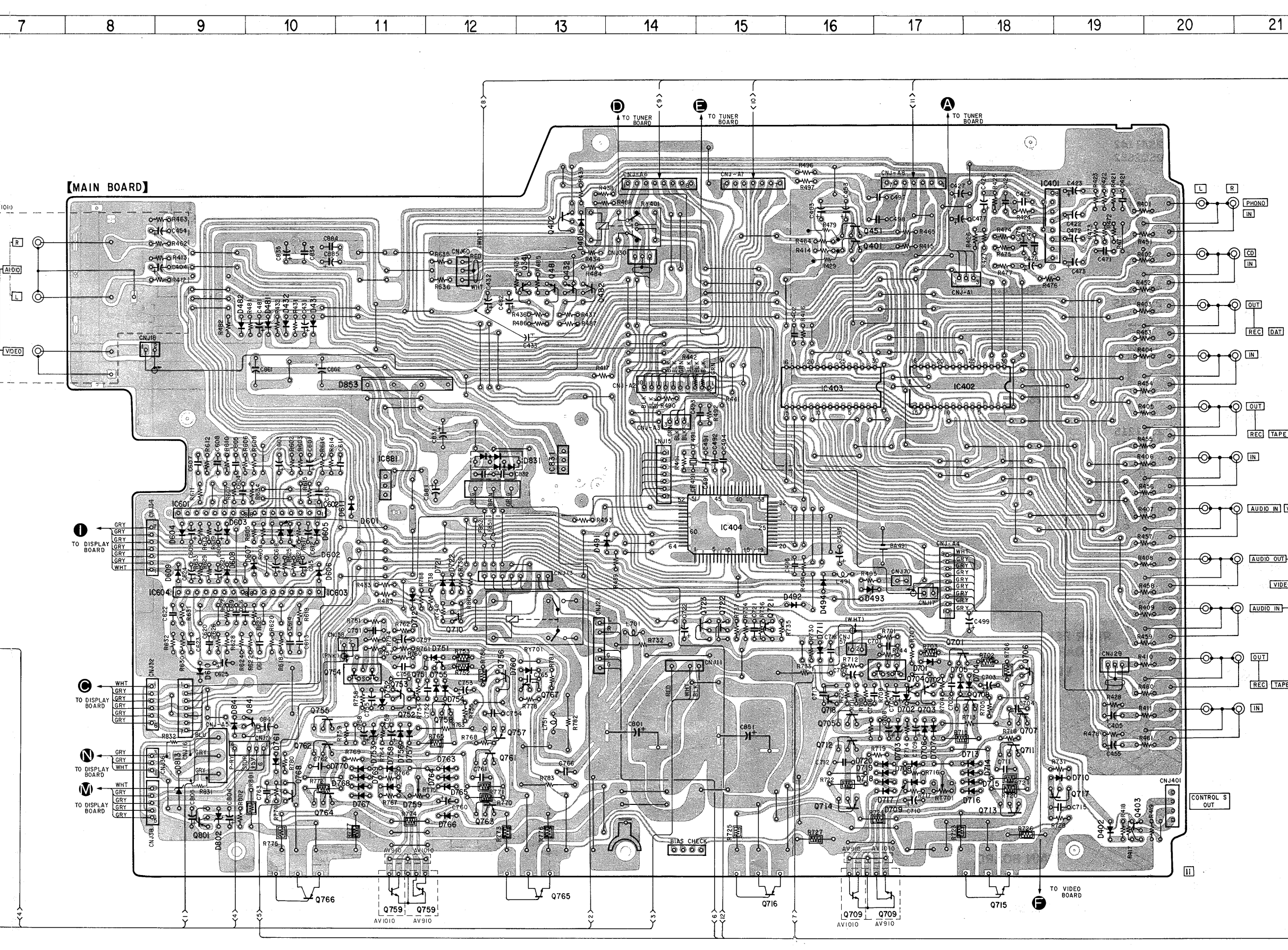
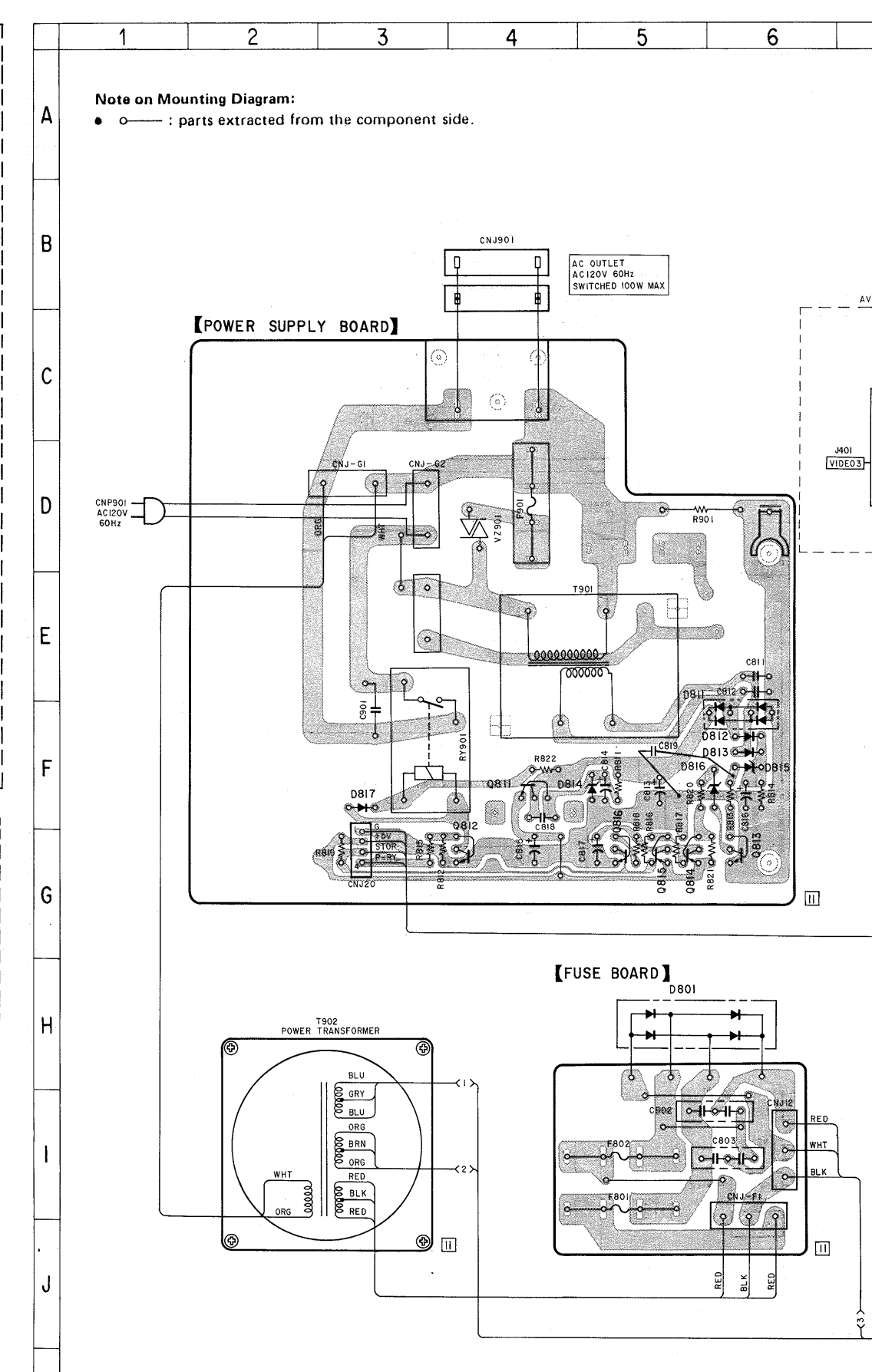
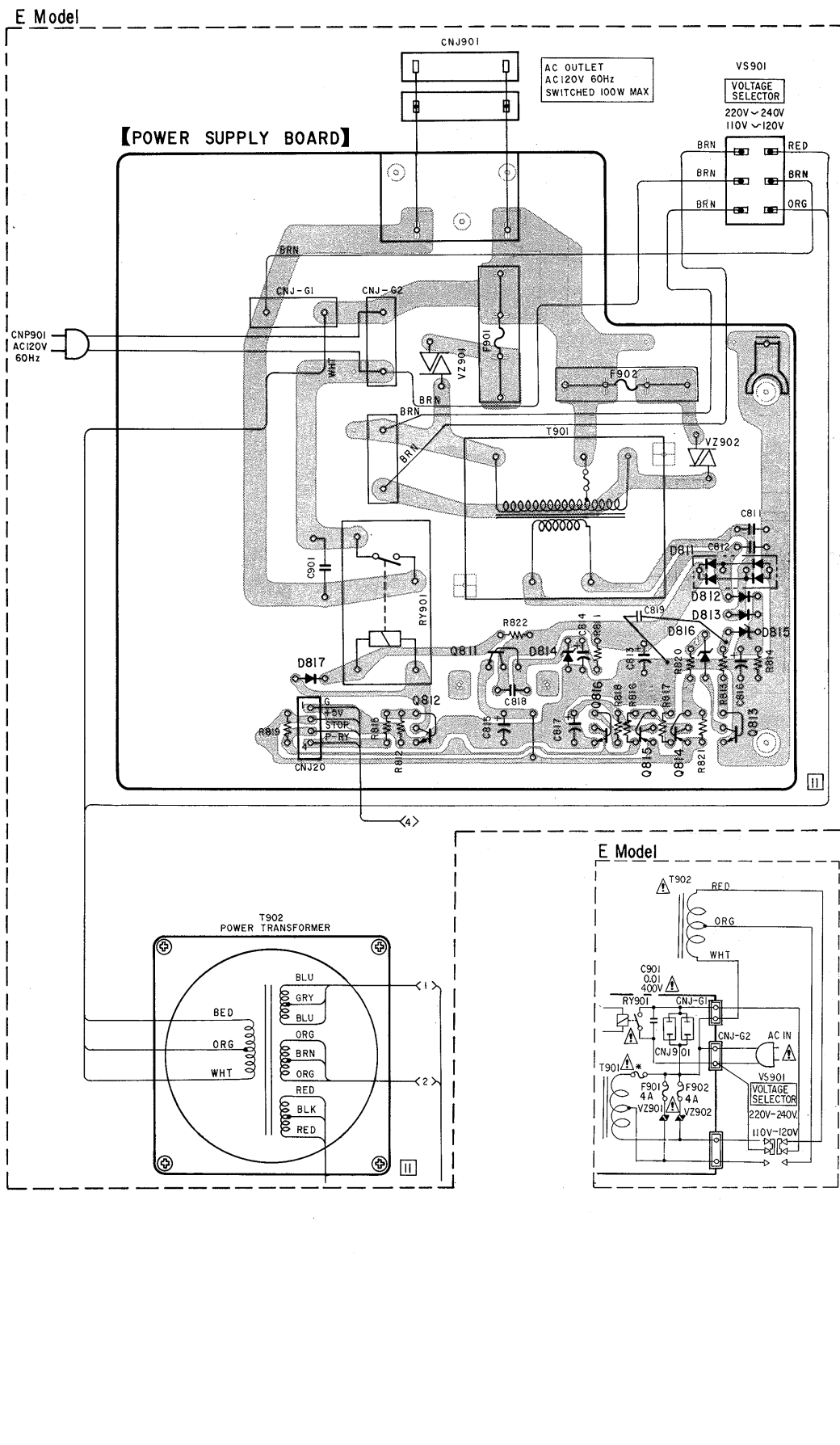


#### 2-2. CIRCUIT BOARDS LOCATION

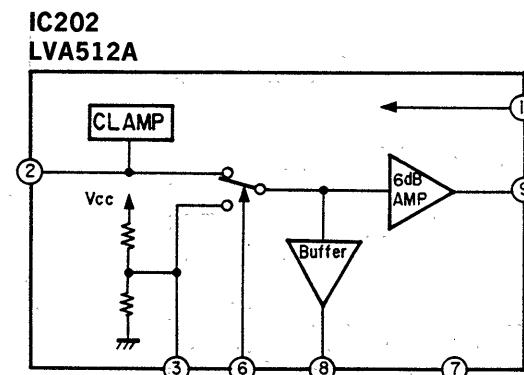




2-4. PRINTED WIRING BOARDS — MAIN SECTION — • Refer to page 8 for Semiconductor Lead Layouts.







• Semiconductor Location

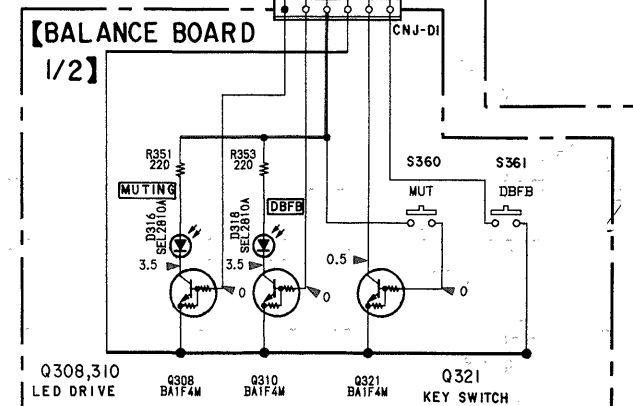
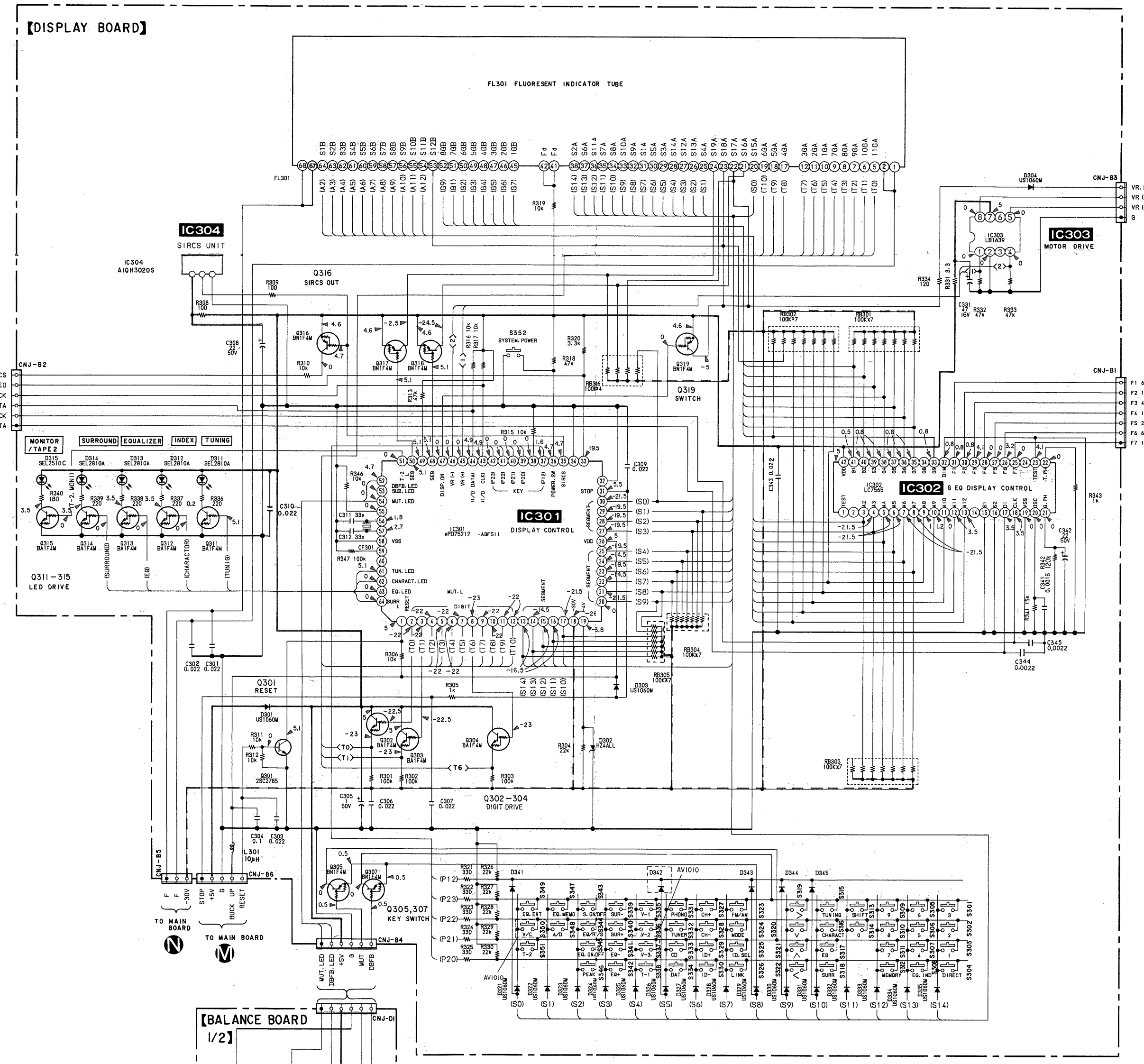
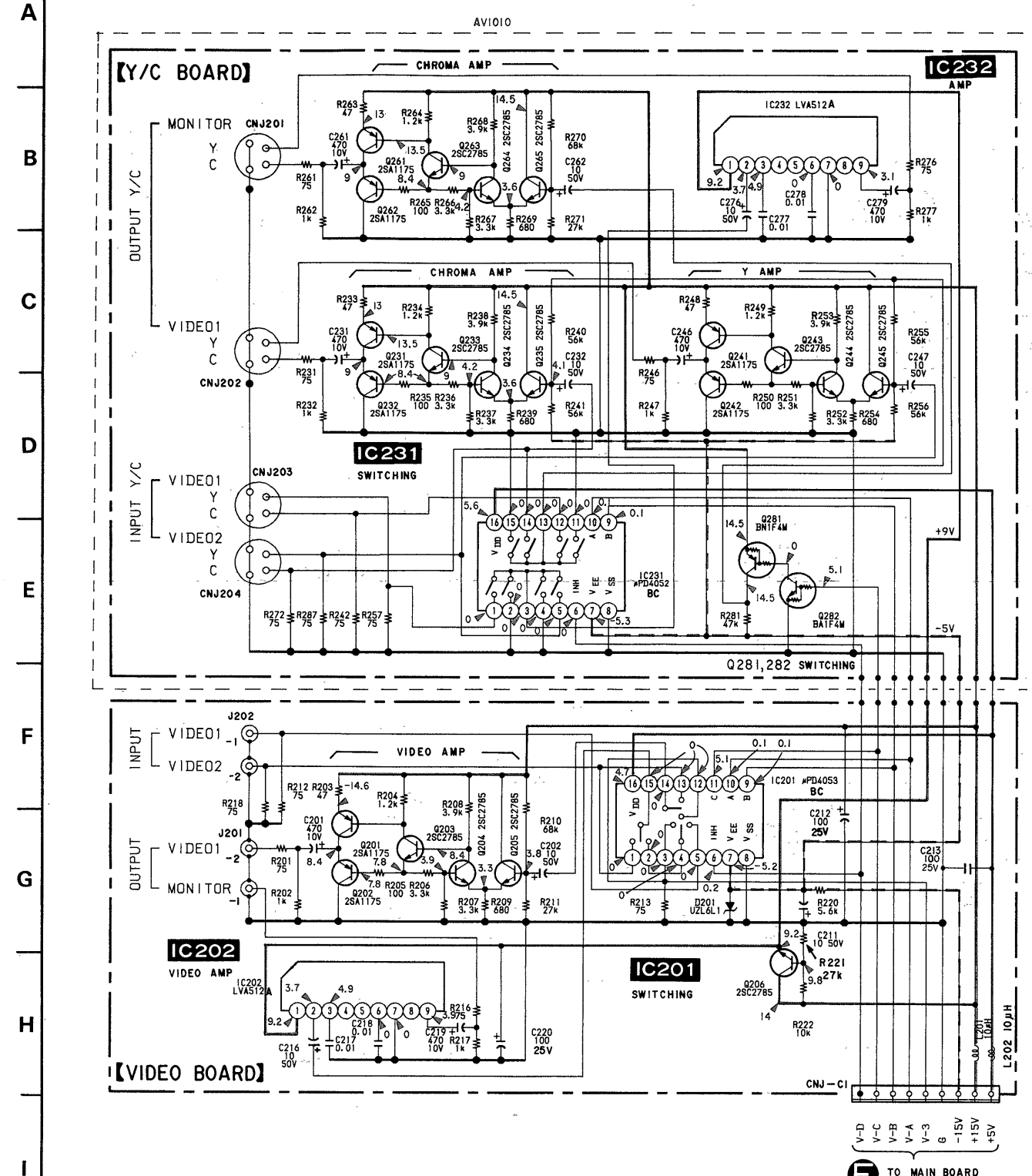
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D401	C-13	D769	I-11	Q755	H-10
D402	I-20	D770	I-11	Q756	H-12
D431	D-10	D801	H-5	Q757	H-12
D432	D-10	D802	I-9	Q758	H-12
D481	D-10	D803	I-9	Q759	J-11
D482	D-9	D811	F-6	Q760	H-10
D483	F-14	D812	F-6	Q761	I-12
D492	G-16	D813	F-6	Q762	H-10
D493	G-16	D814	F-5	Q763	H-12
D494	G-16	D815	F-6	Q764	H-10
D501	E-23	D816	F-6	Q765	J-13
D502	E-23	D817	F-3	Q766	J-10
D601	F-10	D831	E-12	Q767	H-13
D602	F-10	D841	H-9	Q768	H-10
D603	F-9	D851	J-25	Q801	I-9
D604	F-9	D852	I-26	Q811	F-4
D605	F-9	D853	D-11	Q812	G-4
D606	F-10	Q341	C-13	Q813	G-6
D607	F-10	Q401	C-16	Q814	G-5
D608	F-9	Q402	C-13	Q815	G-5
D609	F-9	Q403	I-20	Q816	G-5
D610	H-9	Q432	C-13	Q841	H-10
D701	G-17	Q451	C-16	Q851	J-25
D702	H-17	Q481	C-13	Q852	I-26
D703	H-17	Q482	C-13	IC401	C-18
D704	H-18	Q541	C-25	IC402	D-17
D705	H-17	Q542	B-25	IC403	D-16
D706	H-17	Q543	B-25	IC404	F-15
D707	H-17	Q641	E-31	IC501	E-24
D708	I-17	Q642	D-31	IC502	D-26
D709	I-17	Q643	E-31	IC503	D-25
D710	I-19	Q644	D-31	IC504	B-23
D711	G-16	Q645	D-31	IC505	B-23
D712	G-11	Q646	D-31	IC506	B-24
D713	I-18	Q672	B-13	IC507	B-24
D714	I-18	Q673	D-28	IC508	D-22
D715	I-18	Q674	D-27	IC509	D-23
D716	I-18	Q701	G-17	IC510	D-23
D717	I-17	Q703	H-17	IC531	B-31
D718	I-17	Q704	H-17	IC532	D-30
D719	I-17	Q705	H-16	IC601	F-9
D720	I-17	Q706	H-18	IC603	G-10
D721	G-12	Q707	H-18	IC604	G-10
D722	G-12	Q708	H-18	IC641	C-30
D751	G-12	Q709	H-17	IC642	C-31
D752	H-11	Q711	H-18	IC653	D-30
D753	H-11	Q712	H-16	IC654	D-28
D754	H-11	Q713	I-16	IC655	D-29
D755	H-11	Q714	I-16	IC656	C-27
D756	H-11	Q715	I-16	IC657	C-26
D757	H-11	Q716	J-15	IC658	D-27
D758	H-11	Q718	H-16	IC851	J-25
D759	I-11	Q721	G-15		
D760	H-13	Q722	G-15		
D761	I-10	Q723	G-15		
D762	I-12	Q751	H-12		
D763	I-12	Q752	H-12		
D764	I-12	Q753	H-11		
D765	I-12				
D766	I-12				
D767	I-11				
D768	I-11				

Note on Schematic Diagram:

- All capacitors are in  $\mu\text{F}$  unless otherwise noted, pF:  $\mu\text{M}$  50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in  $\Omega$  and  $\frac{1}{4}\text{W}$  or less unless otherwise specified. (TUNER BOARD  $\frac{1}{2}\text{W}$ )
- Components for right channel have same values as for left channel. Reference numbers are coded from
- $\text{R}_{\text{NF}}$ : nonflammable resistor.
- Switch with sliding contact indicated by hatched lines shows shorting type.
- $\text{B}+$  Line
- $\text{B}-$  Line
- $\text{A}$ : adjustment for repair.
- AC voltage readings in the bias oscillator with a VTVM.
- Voltages are taken with a VOM (Input Impedance 10M $\Omega$ ).
- Voltage variations may be noted due to normal production tolerances.
- Signal path.
- $\text{FM}$

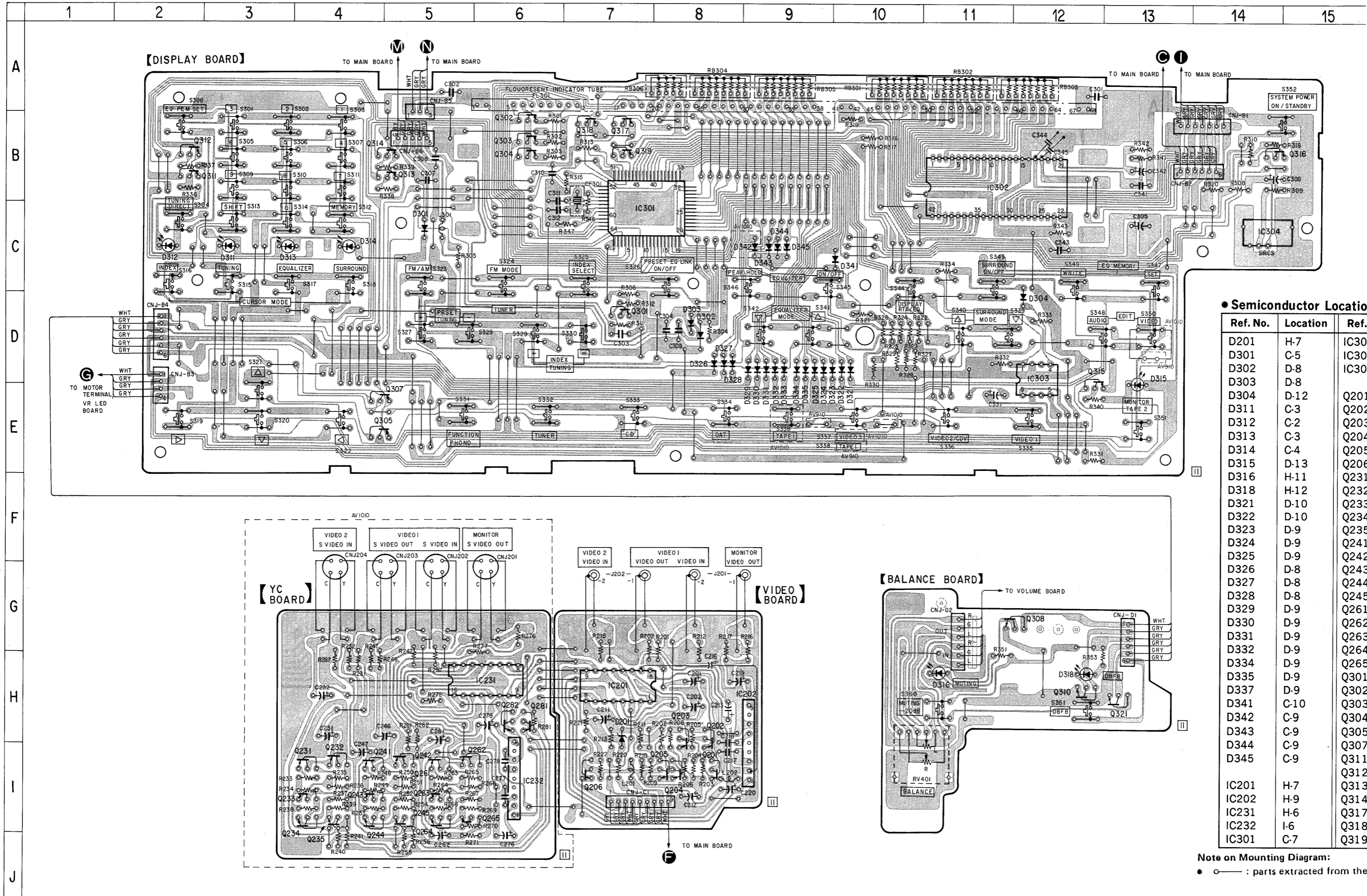
Note: The components identified by mark  $\Delta$  or dotted line with mark  $\Delta$  are critical for safety. Replace only with part number specified.

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



	0	1
D341	V	J
D342	V-3	V-3
D343	SURR CUR	SURR CUR
D344	50K	50K
D345	+50K	-50K

2-7. PRINTED WIRING BOARD —DISPLAY SECTION—



● Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D201	H-7	IC302	B-11
D301	C-5	IC303	D-12
D302	D-8	IC304	C-11
D303	D-8		
D304	D-12	Q201	I-8
D311	C-3	Q202	H-8
D312	C-2	Q203	H-8
D313	C-3	Q204	I-8
D314	C-4	Q205	I-8
D315	D-13	Q206	I-8
D316	H-11	Q231	I-4
D318	H-12	Q232	I-4
D321	D-10	Q233	I-4
D322	D-10	Q234	I-4
D323	D-9	Q235	I-4
D324	D-9	Q241	I-4
D325	D-9	Q242	I-5
D326	D-8	Q243	I-4
D327	D-8	Q244	I-4
D328	D-8	Q245	I-5
D329	D-9	Q261	I-5
D330	D-9	Q262	I-5
D331	D-9	Q263	I-5
D332	D-9	Q264	I-5
D334	D-9	Q265	I-5
D335	D-9	Q301	D-7
D337	D-9	Q302	B-6
D341	C-10	Q303	B-6
D342	C-9	Q304	B-6
D343	C-9	Q305	E-4
D344	C-9	Q307	E-4
D345	C-9	Q311	B-2
		Q312	B-2
		Q313	B-5
IC201	H-7	Q314	B-5
IC202	H-9	Q317	B-7
IC231	H-6	Q318	B-7
IC232	I-6	Q319	B-7
IC301	C-7		

Note on Mounting Diagram:  
 ● ○ : parts extracted from the component side.

2-8. PRINTED WIRING BOARD —TUNER SECTION—

● Semiconductor Location

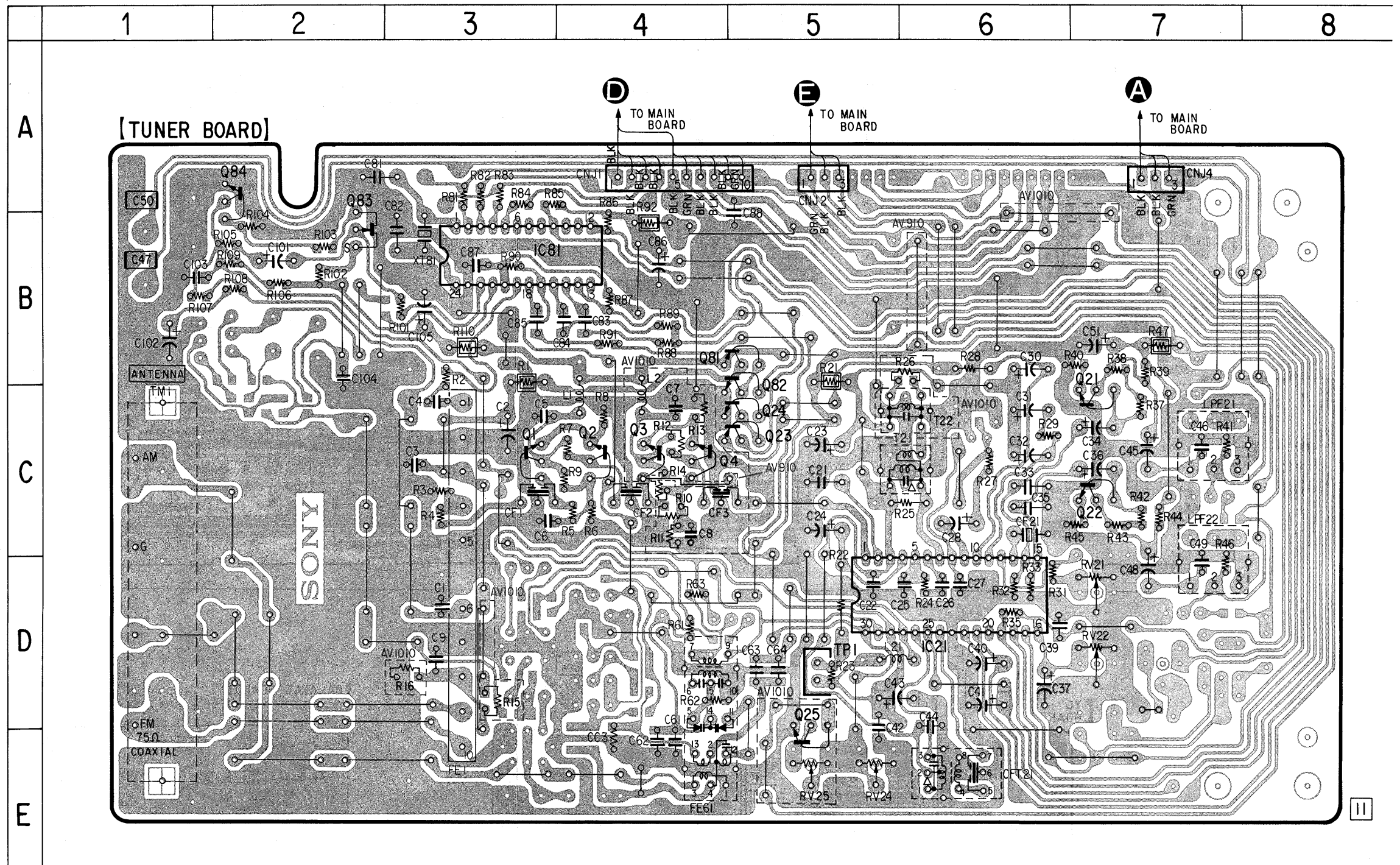
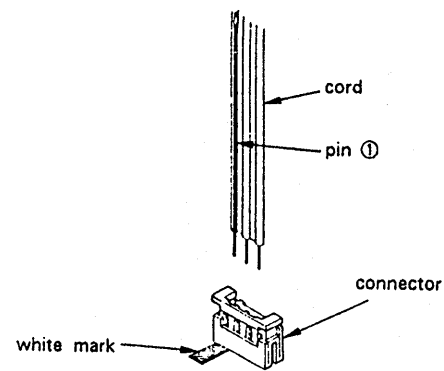
Ref. No.	Location
IC21	D-6
IC81	B-3
Q1	C-3
Q2	C-4
Q3	C-4
Q4	C-4
Q21	C-7
Q22	C-7
Q23	C-5
Q24	C-5
Q81	B-5
Q82	B-5
Q83	A-2
Q84	A-2

Note on Mounting Diagram:

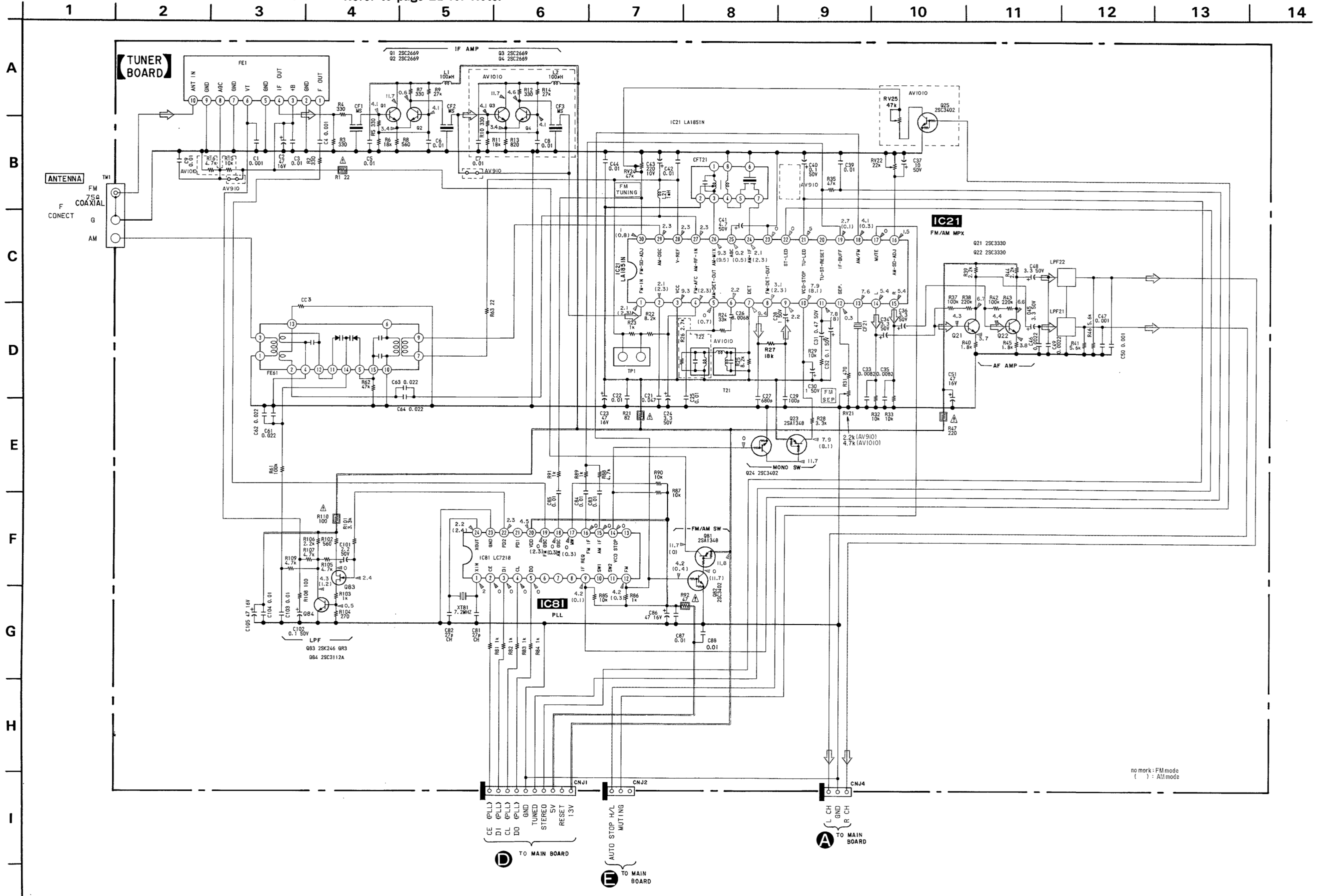
- ○ : parts extracted from the component side.

[Note on Inserting the Cord to the Connector on Tuner Board]

- Insert the cord to the connector fitting Pin ① of the cord in accordance with the white mark on the board at the connector as shown in the figure.
- In case of 3 pin cord, insert the cord fitting each color of the connector on Tuner Board and Main Board.



2-9. SCHEMATIC DIAGRAM —TUNER SECTION— • Refer to page 21 for Note.



### SECTION 3 EXPLODED VIEWS

**NOTE:**

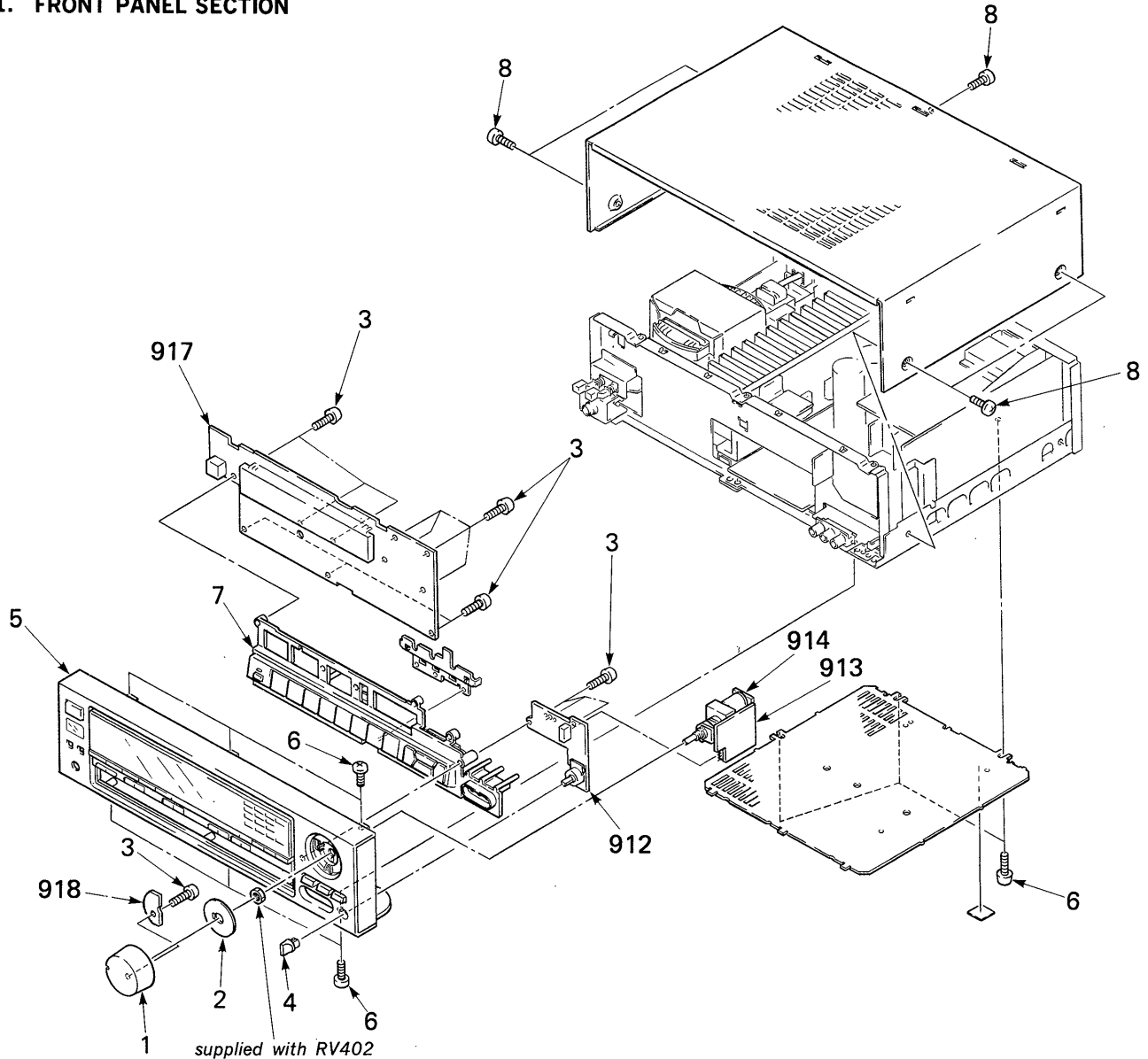
- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be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

- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.
- Color Indication of Appearance Parts  
Example:  
(RED) ... KNOB, BALANCE (WHITE)  
          ↑                                  ↑  
          Cabinet's Color                Parts' Color

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.

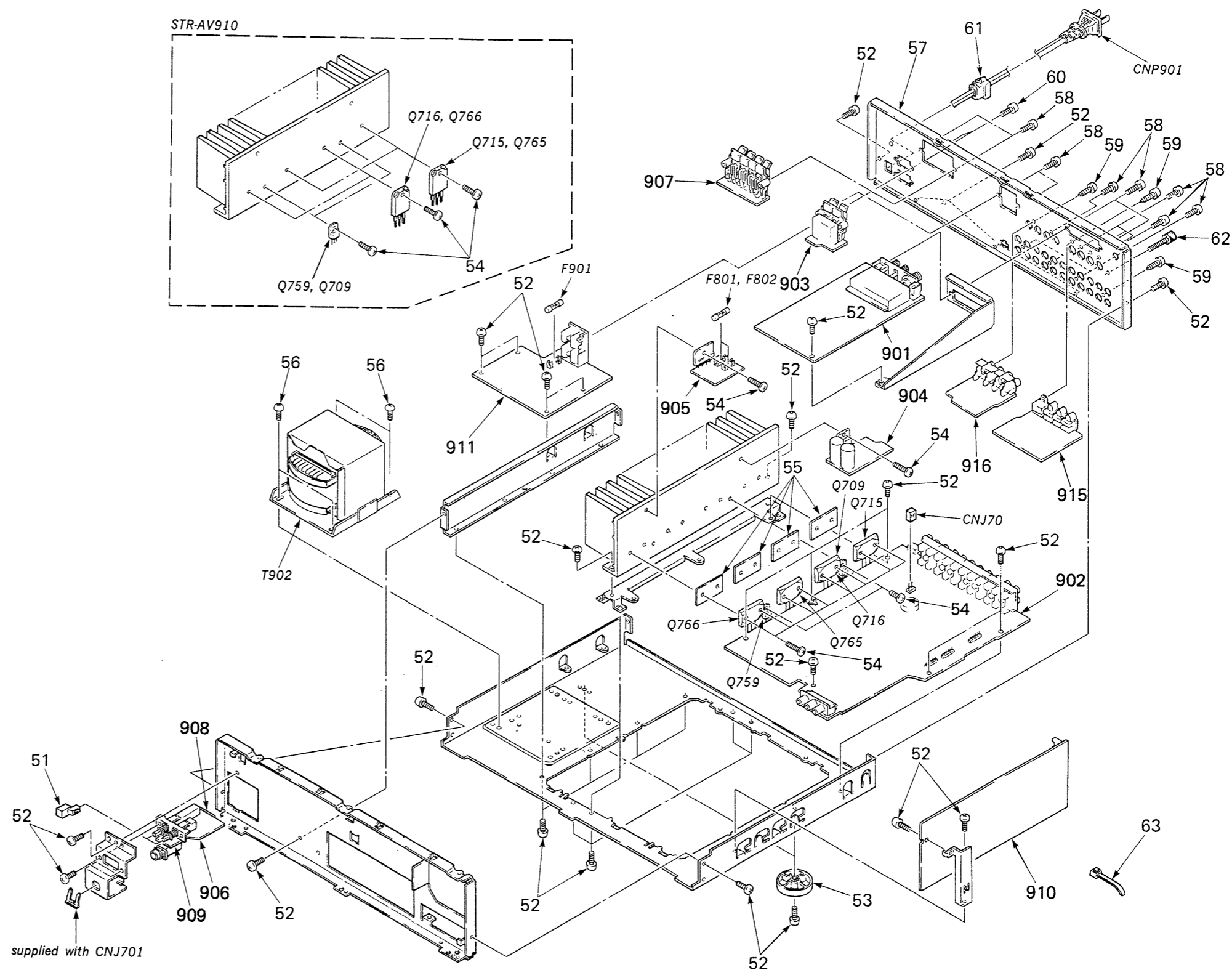
#### 3-1. FRONT PANEL SECTION



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
1	4-925-121-01	KNOB (V2)		7	X-4906-819-1	(AV1010)...ESCUTCHEON ASSY	
2	*4-931-603-01	SPACER			X-4906-821-1	(AV910)...ESCUTCHEON ASSY	
3	7-685-135-19	SCREW +BTP 2.6X10 TYPE2 N-S		8	3-704-366-01	SCREW (CASE) (M3X8)	
4	4-925-014-01	KNOB (DIA.10)		912	*1-630-739-11	PC BOARD, BALANCE	
5	X-4906-820-1	(AV1010)...PANEL ASSY, FRONT		913	*1-630-740-11	PC BOARD, VOLUME	
	X-4906-822-1	(AV910)...PANEL ASSY, FRONT		914	*1-630-741-11	PC BOARD, MOTOR TERMINAL	
6	7-682-548-04	SCREW +BVTT 3X8 (S)		918	*1-630-745-11	PC BOARD, VR LED	

3-2. CHASSIS SECTION

No.	Part No.	Description	Remarks
51	4-906-872-01	KNOB, SQUARE	
52	7-682-548-04	SCREW +BVTT 3X8 (S)	
53	X-4885-936-1	FOOT ASSY	
54	7-682-550-04	SCREW +BVTT 3X12 (S)	
55	4-885-901-31	SHEET, RADIATION	
56	7-682-561-04	SCREW +BVTT 4X8 (S)	
57	*4-925-078-01	(AV1010:US)...PANEL, BACK	
	*4-925-078-11	(AV1010:Canadian)...PANEL, BACK	
	*4-925-078-21	(AV910:US)...PANEL, BACK	
	*4-925-078-31	(AV910:Canadian)...PANEL, BACK	
	*4-931-051-41	(AV910:E)...PANEL, BACK	
58	7-685-647-79	SCREW +BVTP 3X10 TYPE2 SLIT	
59	7-621-849-00	SCREW, TAPPING	
60	7-685-646-79	SCREW +BTP 3X8 TYPE2 N-S	
61	*3-703-244-00	BUSHING (2104), CORD	
62	3-706-165-00	SCREW	
63	3-701-748-00	CLAMP	
901	*A-4303-212-A	(AV910:US,Canadian)...MOUNTED PCB, TUNER(TCB007-2LK)	
	*A-4303-213-A	(AV1010)...MOUNTED PCB, TUNER(TCB007-2MK)	
	*A-4303-230-A	(AV910:E)...MOUNTED PCB, TUNER(TCB007-2LJ)	
902	*A-4333-449-A	(AV1010)...MOUNTED PCB, MAIN	
	*A-4333-458-A	(AV910:US,E)...MOUNTED PCB, MAIN	
	*A-4333-850-A	(AV910:Canadian)...MOUNTED PCB, MAIN	
903	*1-630-730-11	PC BOARD, REAR RELAY	
904	*1-630-731-11	PC BOARD, REAR	
905	*1-630-732-11	PC BOARD, FUSE	
906	*1-630-733-11	PC BOARD, SP SW	
907	*1-630-734-11	PC BOARD, SP TERMINAL	
908	*1-630-735-11	PC BOARD, HP JUMPER	
909	*1-630-736-11	PC BOARD, HP	
911	1-630-738-11	PC BOARD, SUPPLY	
915	*1-630-742-11	(AV1010)...PC BOARD, Y/C	
916	*1-630-743-11	PC BOARD, VIDEO	
917	*A-4333-457-A	(AV1010)...MOUNTED PCB, DISPLAY	
	*A-4333-459-A	(AV910)...MOUNTED PCB, DISPLAY	
CNJ70	*1-565-514-11	SOCKET, CONNECTOR 2P	
CNP901	1-557-577-11	(US,Canadian)...CORD, POWER	
	1-555-465-00	(E)...CORD, POWER	
F801	1-532-749-11	FUSE, GLASS TUBE	
F802	1-532-749-11	FUSE, GLASS TUBE	
F901	1-532-598-00	FUSE, GLASS TUBE	
Q709	8-729-141-89	TRANSISTOR 2SD1585-LK	
Q715	8-729-321-15	(AV910)...TRANSISTOR 2SAC4388-0Y	
Q715	8-729-320-96	(AV1010)...TRANSISTOR 2SC2921-0PY	
Q716	8-729-320-73	(AV1010)...TRANSISTOR 2SA1215-0Y	
Q716	8-729-321-18	(AV910)...TRANSISTOR 2SA1673-0Y	
Q759	8-729-141-89	TRANSISTOR 2SD1585-LK	
Q765	8-729-320-96	(AV1010)...TRANSISTOR 2SC2921-0PY	
Q765	8-729-321-15	(AV910)...TRANSISTOR 2SAC4388-0Y	
Q766	8-729-320-73	(AV1010)...TRANSISTOR 2SA1215-0Y	
Q766	8-729-321-18	(AV910)...TRANSISTOR 2SA1673-0Y	
T902	1-449-539-11	(AV1010:US)...TRANSFORMER, POWER	
	1-449-549-11	(AV1010:Canadian)...TRANSFORMER, POWER	
	1-449-550-11	(AV910:US,Canadian)...TRANSFORMER, POWER	
	1-449-803-11	(AV910:E)...TRANSFORMER, POWER	
VS901	1-570-046-21	(AV910:E)...SWITCH, VOLTAGE CHANGE (VOLTAGE SELECTOR)	



**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.



## SECTION 4 ELECTRICAL PARTS LIST

**NOTE:**

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- 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:  $\mu$ F, PF:  $\mu$  $\mu$ F.

**RESISTORS**

- All resistors are in ohms.
- F: nonflammable

**COILS**

- MMH: mH, UH:  $\mu$ H

**SEMICONDUCTORS**

In each case, U:  $\mu$ , for example:

UA...:  $\mu$ A..., UPA...:  $\mu$ PA...,  
UPC...:  $\mu$ PC, UPD...:  $\mu$ PD...

The components identified by mark  $\Delta$  or dotted line with mark  $\Delta$  are Critical for safety. Replace only with part number specified.

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

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
901	*A-4303-212-A	(AV910: US, Canadian)...MOUNTED, PCB, TUNER(TCB007-2LK)	C28	1-124-499-11	CAP, ELECT 1.0MF 20% 50V
	*A-4303-213-A	(AV1010)..MOUNTED PCB, TUNER(TCB007-2MK)	C29	1-162-516-11	CERAMIC CHIP 100PF 10% 50V
	*A-4303-230-A	(AV910: E).....MOUNTED PCB, TUNER(TCB007-2LJ)	C30	1-124-499-11	CAP, ELECT 1.0MF 20% 50V
902	*A-4333-449-A	(AV1010)...MOUNTED PCB, MAIN			
	*A-4333-458-A	(AV910: US, E).....MOUNTED PCB, MAIN	C31	1-124-902-00	CAP, ELECT 0.47MF 20% 50V
	A-4338-850-A	(AV910: Canadian).....MOUNTED PCB, MAIN	C32	1-124-463-11	CAP, ELECT 1.0MF 20% 50V
903	*1-630-730-11	PC BOARD, REAR RELAY	C33	1-130-482-00	CAP, TEREPHTHALATE 0.0082MF
904	*1-630-731-11	PC BOARD, REAR			
905	*1-630-732-11	PC BOARD, FUSE			
			C34	1-123-382-00	CAP, ELECT 3.3MF 20% 50V
906	*1-630-733-11	PC BOARD, SP SW	C35	1-130-482-00	CAP, TEREPHTHALATE 0.0082MF
907	*1-630-734-11	PC BOARD, SP TERMINAL	C36	1-123-382-00	CAP, ELECT 3.3MF 20% 50V
908	*1-630-735-11	PC BOARD, HP JUMPER			
			C37	1-123-875-11	CAP, ELECT 10MF 20% 50V
909	*1-630-736-11	PC BOARD, HP	C39	1-163-059-00	CERAMIC MELF 0.01MF 20% 16V
910	*A-4333-452-A	MOUNTED PCB, DOLBY	C40	1-124-463-00	CAP, ELECT 0.1MF 20% 50V
911	1-630-738-11	PC BOARD, SUPPLY			
			C41	1-124-927-11	CAP, ELECT 4.7MF 20% 50V
912	*1-630-739-11	PC BOARD, BALANCE	C42	1-163-059-00	CERAMIC MELF 0.01MF 20% 16V
913	*1-630-740-11	PC BOARD, VOLUME	C43	1-124-463-00	CAP, ELECT 220MF 20% 10V
914	*1-630-741-11	PC BOARD, MOTOR TERMINAL			
			C44	1-163-059-00	CERAMIC MELF 0.01MF 20% 16V
915	*1-630-742-11	(AV1010)...PC BOARD, Y/C	C45	1-123-382-00	CAP, ELECT 3.3MF 20% 50V
916	*1-630-743-11	PC BOARD, VIDEO	C46	1-162-524-11	CERAMIC CHIP 0.0022MF 20% 25V
			C47	1-162-294-31	CERAMIC CHIP 0.001MF 20% 25V
917	*A-4333-457-A	(AV1010)...MOUNTED PCB, DISPLAY	C48	1-123-382-00	CAP, ELECT 3.3MF 20% 50V
	*A-4333-459-A	(AV910)...MOUNTED PCB, DISPLAY	C49	1-162-524-11	CERAMIC CHIP 0.0022MF 20% 25V
			C50	1-162-294-31	CERAMIC CHIP 0.001MF 20% 25V
918	*1-630-745-11	PC BOARD, VR LED	C51	1-124-477-11	CAP, ELECT 47MF 20% 16V
919	*3-309-144-21	HEAT SINK	C61	1-163-063-00	CERAMIC MELF 0.022MF 25V
920	*4-886-555-00	HEAT SINK			
			C62	1-163-063-00	CERAMIC MELF 0.022MF 25V
921	*4-924-989-01	HOLDER (FL TUBE)	C63	1-163-063-00	CERAMIC MELF 0.022MF 25V
922	*4-925-056-01	CASE, SHIELD	C64	1-163-063-00	CERAMIC MELF 0.022MF 25V
923	1-533-183-11	HOLDER, FUSE			
BA491	1-528-120-00	BATTERY, LITHIUM (CR-2025)			
C1	1-162-294-31	CERAMIC CHIP 0.001MF 20% 25V	C81	1-102-961-00	CAP, ELECT 27PF 20% 50V
C2	1-124-474-11	CAP, ELECT 47MF 20% 16V	C82	1-102-961-00	CAP, ELECT 27PF 20% 50V
C3	1-163-059-00	CERAMIC MELF 0.01MF 20% 16V	C83	1-163-059-00	CERAMIC MELF 0.01MF 20% 16V
			C84	1-163-059-00	CERAMIC MELF 0.01MF 20% 16V
C4	1-162-294-31	CERAMIC CHIP 0.001MF 20% 25V	C85	1-163-059-00	CERAMIC MELF 0.01MF 20% 16V
C5	1-163-059-00	CERAMIC MELF 0.01MF 20% 16V	C86	1-124-477-11	CAP, ELECT 47MF 20% 16V
C6	1-163-059-00	CERAMIC MELF 0.01MF 20% 16V			
			C87	1-163-059-00	CERAMIC MELF 0.01MF 20% 16V
C7	1-163-059-00	CERAMIC MELF 0.01MF 20% 16V	C88	1-163-059-00	CERAMIC MELF 0.01MF 20% 16V
C8	1-163-059-00	CERAMIC MELF 0.01MF 20% 16V	C101	1-124-499-11	CAP, ELECT 2.2MF 20% 50V
C9	1-163-059-00	CERAMIC MELF 0.01MF 20% 16V			
			C102	1-124-463-00	CAP, ELECT 0.1MF 20% 50V
C21	1-161-021-11	CAP, CERAMIC 0.047MF 10% 25V	C103	1-163-059-00	CERAMIC MELF 0.01MF 20% 16V
C22	1-163-059-00	CERAMIC MELF 0.01MF 20% 16V	C104	1-163-059-00	CERAMIC MELF 0.01MF 20% 16V
C23	1-124-477-11	CAP, ELECT 47MF 20% 16V			
			C105	1-124-477-11	CAP, ELECT 47MF 20% 16V
C24	1-123-382-00	CAP, ELECT 3.3MF 20% 50V	C201	1-124-472-11	ELECT 470MF 20% 10V
C25	1-163-059-00	CERAMIC MELF 0.01MF 20% 16V	C202	1-123-875-11	ELECT 10MF 20% 50V
C26	1-162-527-11	CERAMIC CHIP 0.0068MF 20% 12V			
			C211	1-123-875-11	ELECT 10MF 20% 50V
C27	1-162-516-11	(AV910)....CERAMIC CHIP 100PF 10% 50V	C212	1-124-478-11	ELECT 100MF 20% 25V
C27	1-162-521-11	(AV1010)...CERAMIC CHIP 680PF 20% 50V	C213	1-124-478-11	ELECT 100MF 20% 25V
			C216	1-123-875-11	ELECT 10MF 20% 50V
			C217	1-161-379-00	CERAMIC 0.01MF 30% 16V

Ref.No.	Part No.	Description				Ref.No.	Part No.	Description			
C218	1-161-379-00	CERAMIC	0.01MF	30%	16V	C492	1-162-282-31	CERAMIC	100PF	10%	50V
C219	1-124-472-11	ELECT	470MF	20%	10V	C493	1-101-005-00	CERAMIC	0.022MF		50V
C220	1-124-478-11	ELECT	100MF	20%	25V	C494	1-136-165-00	FILM	0.1MF	5%	50V
C231	1-124-472-11	(AV1010)...ELECT	470MF	20%	10V	C495	1-124-499-11	ELECT	1MF	20%	50V
C232	1-123-875-11	(AV1010)...ELECT	10MF	20%	50V	C496	1-101-005-00	CERAMIC	0.022MF		50V
C246	1-124-472-11	(AV1010)...ELECT	470MF	20%	10V	C497	1-136-165-00	FILM	0.1MF	5%	50V
C247	1-123-875-11	(AV1010)...ELECT	10MF	20%	50V	C498	1-136-165-00	FILM	0.1MF	5%	50V
C261	1-124-472-11	(AV1010)...ELECT	470MF	20%	10V	C499	1-124-477-11	ELECT	47MF	20%	25V
C262	1-123-875-11	(AV1010)...ELECT	10MF	20%	50V	C501	1-124-927-11	ELECT	4.7MF	20%	50V
C276	1-123-875-11	(AV1010)...ELECT	10MF	20%	50V	C502	1-124-927-11	ELECT	4.7MF	20%	50V
C277	1-161-379-00	(AV1010)...CERAMIC	0.01MF	30%	16V	C503	1-162-215-31	CERAMIC	47PF	5%	50V
C278	1-161-379-00	(AV1010)...CERAMIC	0.01MF	30%	16V	C504	1-124-927-11	ELECT	4.7MF	20%	50V
C279	1-124-472-11	(AV1010)...ELECT	470MF	20%	10V	C505	1-124-927-11	ELECT	4.7MF	20%	50V
C301	1-101-005-00	CERAMIC	0.022MF		50V	C506	1-124-254-00	ELECT	0.68MF	20%	50V
C302	1-101-005-00	CERAMIC	0.022MF		50V	C507	1-124-250-00	ELECT	0.15MF	20%	50V
C303	1-101-005-00	CERAMIC	0.022MF		50V	C508	1-124-464-11	ELECT	0.22MF	20%	50V
C304	1-136-165-00	FILM	0.1MF	5%	50V	C509	1-130-491-00	MYLAR	0.047MF	5%	50V
C305	1-124-499-11	ELECT	1MF	20%	50V	C510	1-136-165-00	FILM	0.1MF	5%	50V
C306	1-101-005-00	CERAMIC	0.022MF		50V	C511	1-130-487-00	MYLAR	0.022MF	5%	50V
C307	1-101-005-00	CERAMIC	0.022MF		50V	C512	1-130-489-00	MYLAR	0.033MF	5%	50V
C308	1-126-233-11	ELECT	22MF	20%	50V	C513	1-130-483-00	MYLAR	0.01MF	5%	50V
C309	1-101-005-00	CERAMIC	0.022MF		50V	C514	1-130-485-00	MYLAR	0.015MF	5%	50V
C310	1-101-005-00	CERAMIC	0.022MF		50V	C515	1-130-477-00	MYLAR	0.0033MF	5%	50V
C311	1-162-211-31	CERAMIC	33PF	5%	50V	C516	1-130-481-00	MYLAR	0.0068MF	5%	50V
C312	1-162-211-31	CERAMIC	33PF	5%	50V	C517	1-130-471-00	MYLAR	0.001MF	5%	50V
C331	1-124-589-11	ELECT	47MF	20%	16V	C518	1-130-475-00	MYLAR	0.0022MF	5%	50V
C332	1-124-273-00	ELECT	3.3MF	20%	50V	C519	1-162-292-31	CERAMIC	680PF	10%	50V
C341	1-130-473-00	MYLAR	0.0015MF	5%	50V	C531	1-124-927-11	ELECT	4.7MF	20%	50V
C342	1-126-233-11	ELECT	22MF	20%	50V	C532	1-162-215-31	CERAMIC	47PF	5%	50V
C343	1-161-494-00	CERAMIC	0.022MF		25V	C533	1-124-927-11	ELECT	4.7MF	20%	50V
C344	1-101-002-00	CERAMIC	0.0022MF		50V	C534	1-124-927-11	ELECT	4.7MF	20%	50V
C345	1-101-002-00	CERAMIC	0.0022MF		50V	C535	1-124-927-11	ELECT	4.7MF	20%	50V
C402	1-102-074-00	CERAMIC	0.001MF	10%	50V	C536	1-162-215-31	CERAMIC	47PF	5%	50V
C403	1-124-902-00	ELECT	0.47MF	20%	50V	C537	1-162-282-31	CERAMIC	100PF	10%	50V
C404	1-124-927-11	(AV1010)...ELECT	4.7MF	20%	50V	C541	1-124-252-00	ELECT	0.33MF	20%	50V
C405	1-124-927-11	ELECT	4.7MF	20%	50V	C542	1-130-489-00	MYLAR	0.033MF	5%	50V
C421	1-162-282-31	CERAMIC	100PF	10%	50V	C551	1-124-927-11	ELECT	4.7MF	20%	50V
C422	1-124-927-11	ELECT	4.7MF	20%	50V	C552	1-124-927-11	ELECT	4.7MF	20%	50V
C423	1-124-477-11	ELECT	47MF	20%	25V	C553	1-162-215-31	CERAMIC	47PF	5%	50V
C424	1-130-480-00	MYLAR	0.0056MF	5%	50V	C554	1-124-927-11	ELECT	4.7MF	20%	50V
C425	1-130-473-00	MYLAR	0.0015MF	5%	50V	C555	1-124-927-11	ELECT	4.7MF	20%	50V
C426	1-124-499-11	ELECT	1MF	20%	50V	C556	1-124-254-00	ELECT	0.68MF	20%	50V
C427	1-124-477-11	ELECT	47MF	20%	25V	C557	1-124-250-00	ELECT	0.15MF	20%	50V
C428	1-162-282-31	CERAMIC	100PF	10%	50V	C558	1-124-464-11	ELECT	0.22MF	20%	50V
C431	1-124-464-11	ELECT	0.22MF	20%	50V	C559	1-130-491-00	MYLAR	0.047MF	5%	50V
C432	1-124-902-00	ELECT	0.47MF	20%	50V	C560	1-136-165-00	FILM	0.1MF	5%	50V
C433	1-124-927-11	ELECT	4.7MF	20%	50V	C561	1-130-487-00	MYLAR	0.022MF	5%	50V
C453	1-124-902-00	ELECT	0.47MF	20%	50V	C562	1-130-489-00	MYLAR	0.033MF	5%	50V
C454	1-124-927-11	(AV1010)...ELECT	4.7MF	20%	50V	C563	1-130-483-00	MYLAR	0.01MF	5%	50V
C455	1-124-927-11	ELECT	4.7MF	20%	50V	C564	1-130-485-00	MYLAR	0.015MF	5%	50V
C471	1-162-282-31	CERAMIC	100PF	10%	50V	C565	1-130-477-00	MYLAR	0.0033MF	5%	50V
C472	1-124-927-11	ELECT	4.7MF	20%	50V	C566	1-130-481-00	MYLAR	0.0068MF	5%	50V
C473	1-124-477-11	ELECT	47MF	20%	25V	C567	1-130-471-00	MYLAR	0.001MF	5%	50V
C474	1-130-480-00	MYLAR	0.0056MF	5%	50V	C568	1-130-475-00	MYLAR	0.0022MF	5%	50V
C475	1-130-473-00	MYLAR	0.0015MF	5%	50V	C569	1-162-292-31	CERAMIC	680PF	10%	50V
C476	1-124-499-11	ELECT	1MF	20%	50V	C572	1-123-875-11	ELECT	10MF	20%	50V
C477	1-124-477-11	ELECT	47MF	20%	25V	C573	1-123-875-11	ELECT	10MF	20%	50V
C478	1-162-282-31	CERAMIC	100PF	10%	50V	C574	1-123-875-11	ELECT	10MF	20%	50V
C481	1-124-464-11	ELECT	0.22MF	20%	50V						
C482	1-124-902-00	ELECT	0.47MF	20%	50V						
C491	1-162-282-31	CERAMIC	100PF	10%	50V						

Ref.No.	Part No.	Description				Ref.No.	Part No.	Description			
C575	1-123-875-11	ELECT	10MF	20%	50V	C671	1-123-875-11	ELECT	10MF	20%	50V
C576	1-123-875-11	ELECT	10MF	20%	50V	C672	1-124-477-11	ELECT	47MF	20%	25V
C577	1-161-379-00	CERAMIC	0.01MF	30%	16V	C673	1-123-875-11	ELECT	10MF	20%	50V
C581	1-124-927-11	ELECT	4.7MF	20%	50V	C674	1-124-477-11	ELECT	47MF	20%	25V
C582	1-162-215-31	CERAMIC	47PF	5%	50V	C675	1-124-499-11	ELECT	1MF	20%	50V
C583	1-124-927-11	ELECT	4.7MF	20%	50V	C676	1-130-479-00	MYLAR	0.0047MF	5%	50V
C585	1-124-927-11	ELECT	4.7MF	20%	50V	C677	1-162-290-31	CERAMIC	470PF	10%	50V
C586	1-162-215-31	CERAMIC	47PF	5%	50V	C678	1-162-211-31	CERAMIC	33PF	5%	50V
C587	1-162-282-31	CERAMIC	100PF	10%	50V	C679	1-130-480-00	MYLAR	0.0056MF	5%	50V
C591	1-124-252-00	ELECT	0.33MF	20%	50V	C680	1-130-488-00	MYLAR	0.027MF	5%	50V
C592	1-130-489-00	MYLAR	0.033MF	5%	50V	C681	1-124-252-00	ELECT	0.33MF	20%	50V
C593	1-124-477-11	ELECT	47MF	20%	25V	C682	1-136-165-00	FILM	0.1MF	5%	50V
C601	1-126-233-11	ELECT	22MF	20%	50V	C683	1-123-875-11	ELECT	10MF	20%	50V
C603	1-126-233-11	ELECT	22MF	20%	50V	C684	1-130-483-00	MYLAR	0.01MF	5%	50V
C604	1-130-491-00	MYLAR	0.047MF	5%	50V	C685	1-130-479-00	MYLAR	0.0047MF	5%	50V
C605	1-130-491-00	MYLAR	0.047MF	5%	50V	C686	1-124-499-11	ELECT	1MF	20%	50V
C606	1-124-925-11	ELECT	2.2MF	20%	50V	C687	1-136-165-00	FILM	0.1MF	5%	50V
C607	1-130-486-00	MYLAR	0.018MF	5%	50V	C688	1-136-165-00	FILM	0.1MF	5%	50V
C608	1-130-486-00	MYLAR	0.018MF	5%	50V	C689	1-124-499-11	ELECT	1MF	20%	50V
C609	1-124-925-11	ELECT	2.2MF	20%	50V	C690	1-124-499-11	ELECT	1MF	20%	50V
C610	1-130-480-00	MYLAR	0.0056MF	5%	50V	C691	1-136-165-00	FILM	0.1MF	5%	50V
C611	1-130-480-00	MYLAR	0.0056MF	5%	50V	C692	1-130-483-00	MYLAR	0.01MF	5%	50V
C612	1-124-925-11	ELECT	2.2MF	20%	50V	C693	1-162-282-31	CERAMIC	100PF	10%	50V
C613	1-130-477-00	MYLAR	0.0033MF	5%	50V	C694	1-162-282-31	CERAMIC	100PF	10%	50V
C614	1-130-477-00	MYLAR	0.0033MF	5%	50V	C695	1-136-173-00	FILM	0.47MF	5%	50V
C615	1-124-925-11	ELECT	2.2MF	20%	50V	C696	1-136-165-00	FILM	0.1MF	5%	50V
C616	1-130-479-00	MYLAR	0.0047MF	5%	50V	C698	1-161-379-00	CERAMIC	0.01MF	30%	16V
C617	1-130-479-00	MYLAR	0.0047MF	5%	50V	C699	1-161-494-00	CERAMIC	0.022MF		25V
C618	1-124-925-11	ELECT	2.2MF	20%	50V	C701	1-162-199-31	CERAMIC	10PF	5%	50V
C619	1-130-477-00	MYLAR	0.0033MF	5%	50V	C702	1-162-286-31	CERAMIC	220PF	10%	50V
C620	1-130-477-00	MYLAR	0.0033MF	5%	50V	C703	1-124-477-11	ELECT	47MF	20%	25V
C621	1-124-925-11	ELECT	2.2MF	20%	50V	C704	1-102-230-00	CERAMIC	4PF	0.25PF	500V
C622	1-130-477-00	MYLAR	0.0033MF	5%	50V	C705	1-124-499-11	ELECT	1MF	20%	50V
C623	1-130-477-00	MYLAR	0.0033MF	5%	50V	C706	1-162-207-31	CERAMIC	22PF	5%	50V
C624	1-124-925-11	ELECT	2.2MF	20%	50V	C707	1-126-233-11	ELECT	22MF	20%	50V
C625	1-123-875-11	ELECT	10MF	20%	50V	C708	1-124-477-11	ELECT	47MF	20%	25V
C648	1-124-499-11	ELECT	1MF	20%	50V	C709	1-124-477-11	ELECT	47MF	20%	25V
C649	1-162-282-31	CERAMIC	100PF	10%	50V	C710	1-124-910-11	ELECT	47MF	20%	50V
C650	1-130-480-00	MYLAR	0.0056MF	5%	50V	C711	1-102-233-00	CERAMIC	33PF	10%	500V
C651	1-130-479-00	MYLAR	0.0047MF	5%	50V	C712	1-102-233-00	CERAMIC	33PF	10%	500V
C652	1-162-290-31	CERAMIC	470PF	10%	50V	C713	1-136-165-00	FILM	0.1MF	5%	50V
C653	1-130-479-00	MYLAR	0.0047MF	5%	50V	C715	1-136-165-00	FILM	0.1MF	5%	50V
C654	1-130-479-00	MYLAR	0.0047MF	5%	50V	C716	1-130-487-00	MYLAR	0.022MF	5%	50V
C655	1-162-290-31	CERAMIC	470PF	10%	50V	C721	1-136-165-00	FILM	0.1MF	5%	50V
C656	1-136-165-00	FILM	0.1MF	5%	50V	C722	1-124-471-00	ELECT	1000MF	20%	6.3V
C657	1-131-367-00	TANTALUM	22MF	20%	16V	C751	1-162-199-31	CERAMIC	10PF	5%	50V
C658	1-162-199-31	CERAMIC	10PF	5%	50V	C752	1-162-286-31	CERAMIC	220PF	10%	50V
C659	1-136-165-00	FILM	0.1MF	5%	50V	C753	1-124-477-11	ELECT	47MF	20%	25V
C660	1-104-122-11	POLYSTYRENE	0.0047MF	10%	50V	C754	1-102-230-00	CERAMIC	4PF	0.25PF	500V
C661	1-162-215-31	CERAMIC	47PF	10%	50V	C755	1-124-499-11	ELECT	1MF	20%	50V
C662	1-162-207-31	CERAMIC	22PF	5%	50V	C756	1-162-207-31	CERAMIC	22PF	5%	50V
C663	1-162-207-31	CERAMIC	22PF	5%	50V	C757	1-126-233-11	ELECT	22MF	20%	50V
C664	1-124-927-11	ELECT	4.7MF	20%	50V	C758	1-124-477-11	ELECT	47MF	20%	25V
C665	1-130-474-00	MYLAR	0.0018MF	5%	50V	C759	1-124-477-11	ELECT	47MF	20%	25V
C666	1-162-282-31	CERAMIC	100PF	10%	50V	C760	1-124-910-11	ELECT	47MF	20%	50V
C667	1-162-289-31	CERAMIC	390PF	10%	50V	C761	1-102-233-00	CERAMIC	33PF	10%	500V
C668	1-161-379-00	CERAMIC	0.01MF	30%	16V	C762	1-102-233-00	CERAMIC	33PF	10%	500V
C669	1-124-471-00	ELECT	1000MF	20%	6.3V	C763	1-136-165-00	FILM	0.1MF	5%	50V
						C765	1-136-165-00	FILM	0.1MF	5%	50V
						C766	1-130-487-00	MYLAR	0.022MF	5%	50V

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
C801	1-125-479-11	(AV910)...ELECT	CNJ36	1-506-985-11	PIN, CONNECTOR (PC BOARD) 3P
C801	1-125-522-11	(AV1010)...ELECT	CNJ38	1-506-987-11	PIN, CONNECTOR (PC BOARD) 5P
C802	1-102-355-00	CERAMIC	CNJ53	1-506-998-11	PIN, CONNECTOR (PC BOARD) 2P
C803	1-102-355-00	CERAMIC	CNJ54	1-506-998-11	PIN, CONNECTOR (PC BOARD) 2P
C804	1-123-875-11	ELECT	CNJ55	1-506-998-11	PIN, CONNECTOR (PC BOARD) 2P
C805	1-123-875-11	ELECT	CNJ56	1-506-986-11	PIN, CONNECTOR (PC BOARD) 4P
C811	1-101-005-00	CERAMIC	CNJ57	*1-564-599-11	PLUG, CONNECTOR (2.5MM) 2P
C812	1-101-005-00	CERAMIC	CNJ58	*1-564-599-11	PLUG, CONNECTOR (2.5MM) 2P
C813	1-124-557-11	ELECT	CNJ59	1-506-985-11	PIN, CONNECTOR (PC BOARD) 3P
C814	1-124-477-11	ELECT	CNJ70	*1-565-514-11	SOCKET, CONNECTOR 2P
C815	1-124-477-11	ELECT	CNJ201	1-556-846-11	(AV1010)...CONNECTOR (S) TERMINAL4P
C816	1-124-499-11	ELECT	CNJ202	1-556-846-11	(AV1010)...CONNECTOR (S) TERMINAL4P
C817	1-124-464-11	ELECT	CNJ203	1-556-846-11	(AV1010)...CONNECTOR (S) TERMINAL4P
C818	1-162-282-31	CERAMIC	CNJ204	1-556-846-11	(AV1010)...CONNECTOR (S) TERMINAL4P
C819	1-101-005-00	CERAMIC	CNJ401	1-564-980-11	(AV1010)...PIN, CONNECTOR 4P (VIDEO 3)
C831	1-124-563-11	ELECT	CNJ701	1-507-863-51	JACK, LARGE TYPE (HEADPHONES)
C832	1-102-355-00	CERAMIC	CNJ901	1-540-059-11	OUTLET, AC (POLAR)
C834	1-101-005-00	CERAMIC	CNJA1	1-568-278-11	SOCKET, CONNECTOR 3P
C835	1-124-477-11	ELECT	CNJA2	1-568-278-11	SOCKET, CONNECTOR 3P
C841	1-124-902-00	ELECT	CNJA3	1-568-278-11	SOCKET, CONNECTOR 3P
C851	1-124-927-11	(REAR SP BOARD)...ELECT	CNJA4	1-568-278-11	SOCKET, CONNECTOR 3P
C851	1-125-479-11	(AV910).....ELECT	CNJA6	*1-506-532-11	PIN, CONNECTOR 7P
C851	1-125-522-11	(AV1010).....ELECT	CNJA7	*1-506-532-11	PIN, CONNECTOR 7P
C852	1-162-282-31	CERAMIC	CNJA8	*1-506-532-11	PIN, CONNECTOR 7P
C853	1-124-477-11	ELECT	CNJB1	1-506-989-11	PIN, CONNECTOR (PC BOARD) 7P
C854	1-162-195-31	CERAMIC	CNJB2	1-506-988-11	PIN, CONNECTOR (PC BOARD) 6P
C855	1-136-165-00	FILM	CNJB3	1-506-986-11	PIN, CONNECTOR (PC BOARD) 4P
C857	1-130-487-00	MYLAR	CNJB4	1-506-988-11	PIN, CONNECTOR (PC BOARD) 6P
C858	1-162-282-31	CERAMIC	CNJB5	1-506-985-11	PIN, CONNECTOR (PC BOARD) 3P
C861	1-124-563-11	ELECT	CNJB6	1-506-987-11	PIN, CONNECTOR (PC BOARD) 5P
C862	1-124-563-11	ELECT	CNJC1	1-506-991-11	PIN, CONNECTOR (PC BOARD) 9P
C863	1-123-875-11	ELECT	CNJD1	1-506-988-11	PIN, CONNECTOR (PC BOARD) 6P
C864	1-123-875-11	ELECT	CNP901	1-557-577-11	(US,Canadian)...CORD, POWER
C881	1-124-557-11	ELECT	CNP901	1-551-510-11	(E).....CORD, POWER
C884	1-101-005-00	CERAMIC	D201	8-719-933-33	DIODE HZS6A1L
C885	1-124-477-11	ELECT	D301	8-719-000-26	DIODE US1060M
C901	1-161-744-00	CERAMIC	D302	8-719-914-11	DIODE HZA4LL
CF1	1-567-389-11	FILTER CERAMIC	D303	8-719-000-26	DIODE US1060M
CF2	1-567-389-11	FILTER CERAMIC	D304	8-719-000-26	DIODE US1060M
CF3	1-567-389-11	(AV1010)...FILTER CERAMIC	D311	8-719-301-52	DIODE SEL2810A-C
CF21	1-577-075-11	VIBRATOR, CRYSTAL	D312	8-719-301-52	DIODE SEL2810A-C
CF301	1-567-170-00	OSCILLATOR, CERAMIC (4.19MHz)	D313	8-719-301-52	DIODE SEL2810A-C
CF491	1-527-822-00	OSCILLATOR, CERAMIC (4MHz)	D314	8-719-301-52	DIODE SEL2810A-C
CF651	1-567-094-00	VIBRATOR, CERAMIC (3.58MHz)	D315	8-719-303-00	DIODE SEL2510C
CFT21	1-404-853-11	TRANSFORMER, IF (CERAMIC FILTER)	D316	8-719-301-52	DIODE SEL2810A-C
CNJ1	*1-568-276-11	SOCKET, CONNECTOR 10P	D318	8-719-301-52	DIODE SEL2810A-C
CNJ2	1-568-269-11	SOCKET, CONNECTOR 3P	D319	8-719-303-00	DIODE SEL2510C
CNJ4	1-568-307-11	SOCKET, CONNECTOR 3P	D321	8-719-000-26	DIODE US1060M
CNJ11	1-506-985-11	PIN, CONNECTOR (PC BOARD) 3P	D322	8-719-000-26	DIODE US1060M
CNJ12	1-506-985-11	PIN, CONNECTOR (PC BOARD) 3P	D323	8-719-000-26	DIODE US1060M
CNJ13	1-565-483-11	CONNECTOR, BOARD	D324	8-719-000-26	DIODE US1060M
CNJ14	1-565-483-11	CONNECTOR, BOARD	D325	8-719-000-26	DIODE US1060M
CNJ19	1-506-986-11	PIN, CONNECTOR (PC BOARD) 4P	D326	8-719-000-26	DIODE US1060M
CNJ20	1-506-986-11	PIN, CONNECTOR (PC BOARD) 4P	D327	8-719-000-26	DIODE US1060M
CNJ21	1-506-987-11	PIN, CONNECTOR (PC BOARD) 5P	D328	8-719-000-26	DIODE US1060M
CNJ22	1-506-987-11	PIN, CONNECTOR (PC BOARD) 5P			
CNJ23	*1-565-484-11	CONNECTOR, BOARD TC BOARD 8P			
CNJ24	*1-565-484-11	CONNECTOR, BOARD TC BOARD 8P			
CNJ32	1-506-988-11	PIN, CONNECTOR (PC BOARD) 6P			
CNJ34	1-506-989-11	PIN, CONNECTOR (PC BOARD) 7P			

**Note:**  
The components identified by mark  $\Delta$  or dotted line with mark  $\Delta$  are critical for safety. Replace only with part number specified.

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

Ref.No.	Part No.	Description
D329	8-719-000-26	DIODE US1060M
D330	8-719-000-26	DIODE US1060M
D331	8-719-000-26	DIODE US1060M
D332	8-719-000-26	DIODE US1060M
D333	8-719-000-26	DIODE US1060M
D334	8-719-000-26	DIODE US1060M
D335	8-719-000-26	DIODE US1060M
D342	8-719-000-26	DIODE US1060M
D344	8-719-000-26	DIODE US1060M
D345	8-719-000-26	DIODE US1060M
D401	8-719-000-26	DIODE US1060M
D402	8-719-000-26	DIODE US1060M
D431	8-719-000-26	DIODE US1060M
D432	8-719-000-26	DIODE US1060M
D481	8-719-000-26	DIODE US1060M
D482	8-719-000-26	DIODE US1060M
D491	8-719-000-26	DIODE US1060M
D492	8-719-000-26	DIODE US1060M
D493	8-719-000-26	DIODE US1060M
D494	8-719-000-26	DIODE US1060M
D495	8-719-000-26	DIODE US1060M
D501	8-719-000-26	DIODE US1060M
D502	8-719-000-26	DIODE US1060M
D601	8-719-000-26	DIODE US1060M
D602	8-719-000-26	DIODE US1060M
D603	8-719-000-26	DIODE US1060M
D604	8-719-000-26	DIODE US1060M
D605	8-719-000-26	DIODE US1060M
D606	8-719-000-26	DIODE US1060M
D607	8-719-000-26	DIODE US1060M
D608	8-719-000-26	DIODE US1060M
D609	8-719-000-26	DIODE US1060M
D610	8-719-000-26	DIODE US1060M
D611	8-719-000-26	DIODE US1060M
D651	8-719-000-26	DIODE US1060M
D701	8-719-000-26	DIODE US1060M
D702	8-719-933-41	DIODE HZS6C3L
D703	8-719-933-41	DIODE HZS6C3L
D704	8-719-000-26	DIODE US1060M
D705	8-719-000-26	DIODE US1060M
D706	8-719-000-26	DIODE US1060M
D707	8-719-000-26	DIODE US1060M
D708	8-719-000-26	DIODE US1060M
D709	8-719-000-26	DIODE US1060M
D710	8-719-000-26	DIODE US1060M
D711	8-719-000-26	DIODE US1060M
D712	8-719-000-26	DIODE US1060M
D713	8-719-000-26	DIODE US1060M
D714	8-719-000-26	DIODE US1060M
D715	8-719-000-26	DIODE US1060M
D716	8-719-000-26	DIODE US1060M
D717	8-719-000-26	DIODE US1060M
D718	8-719-000-26	DIODE US1060M
D719	8-719-000-26	DIODE US1060M
D720	8-719-000-26	DIODE US1060M
D721	8-719-000-26	DIODE US1060M
D722	8-719-000-26	DIODE US1060M

Ref.No.	Part No.	Description
D751	8-719-000-26	DIODE US1060M
D752	8-719-933-41	DIODE HZS6C3L
D753	8-719-933-41	DIODE HZS6C3L
D754	8-719-000-26	DIODE US1060M
D755	8-719-000-26	DIODE US1060M
D756	8-719-000-26	DIODE US1060M
D757	8-719-000-26	DIODE US1060M
D758	8-719-000-26	DIODE US1060M
D759	8-719-000-26	DIODE US1060M
D760	8-719-000-26	DIODE US1060M
D761	8-719-000-26	DIODE US1060M
D763	8-719-000-26	DIODE US1060M
D764	8-719-000-26	DIODE US1060M
D765	8-719-000-26	DIODE US1060M
D766	8-719-000-26	DIODE US1060M
D767	8-719-000-26	DIODE US1060M
D768	8-719-000-26	DIODE US1060M
D769	8-719-000-26	DIODE US1060M
D770	8-719-000-26	DIODE US1060M
D801	△.8-719-302-38	DIODE RBV-602-01
D802	△.8-719-002-45	DIODE UZL-27M
D803	8-719-014-82	DIODE UZP-6.8B
D811	8-719-511-40	DIODE S1VB40
D812	8-719-000-26	DIODE US1060M
D813	8-719-010-26	DIODE US1060M
D814	8-719-933-41	DIODE HZS6C3L
D815	8-719-933-41	DIODE HZS6C3L
D816	8-719-914-11	DIODE HZ4ALL
D817	8-719-000-26	DIODE US1060M
D831	△.8-719-511-40	DIODE S1VB40
D841	8-719-000-26	DIODE US1060M
D851	8-719-000-26	DIODE US1060M
D852	8-719-000-26	DIODE US1060M
D853	8-719-302-36	DIODE RBV-402-01
D854	8-719-000-26	DIODE US1060M
F801	△.1-532-749-11	FUSE, GLASS TUBE (8A)
F802	△.1-532-749-11	FUSE, GLASS TUBE (8A)
F831	△.1-532-781-11	FUSE, MICRO (SECONDARY) 3.15A
F832	△.1-532-781-11	FUSE, MICRO (SECONDARY) 3.15A
F901	△.1-152-350-00	(E).....FUSE TIME-LAG (4A)
F901	△.1-532-598-00	(US,Canadian)....FUSE, GLASS TUBE (4A)
F902	△.1-532-350-00	(E).....FUSE, TIME-LAG (4A)
FE1	1-463-857-11	(AV1010)...FRONTEND, FM
FE1	1-463-862-21	(AV910)...FRONTEND, FM
FE2	1-236-461-11	ENCAPSULATED COMPONENT, AM
FL301	1-519-521-11	INDICATOR TUBE, FLUORESCENT
IC21	8-759-821-45	IC LA1851N
IC81	8-759-820-91	IC LC7218
IC201	8-759-140-53	IC UPD4053BC
IC202	8-759-946-49	IC LVA512A
IC231	8-759-102-37	(AV1010).....IC UPD4052BC
IC232	8-759-946-49	(AV1010)...IC LVA512A
IC301	8-759-145-01	IC UPD75212AGF-511-3BE
IC302	8-759-820-59	IC LC7565
IC303	8-759-820-62	IC LB1639
IC304	8-749-920-59	IC A1QH3020S
IC401	8-759-112-93	IC UPC4570HA-1
IC402	8-759-805-14	IC LC7822

**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.

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
IC403	8-759-805-14	IC LC7822	Q81	8-729-900-61	TRANSISTOR DTA114ES
IC404	8-759-321-45	IC M5F78M15-J77	Q82	8-729-900-80	TRANSISTOR DTC114ES
IC501	8-759-820-60	IC LC7520	Q83	8-729-207-61	TRANSISTOR 2SK246GR
IC502	8-759-112-93	IC UPC4570HA-1	Q84	8-729-201-84	TRANSISTOR 2SC3112AB
IC503	8-759-112-93	IC UPC4570HA-1	Q201	8-729-173-38	TRANSISTOR 2SA733
IC504	8-759-106-41	IC UPC4570C	Q202	8-729-173-38	TRANSISTOR 2SA733
IC505	8-759-106-41	IC UPC4570C	Q203	8-729-119-78	TRANSISTOR 2SC2785
IC506	8-759-106-41	IC UPC4570C	Q204	8-729-119-78	TRANSISTOR 2SC2785
IC507	8-759-106-41	IC UPC4570C	Q205	8-729-119-78	TRANSISTOR 2SC2785
IC508	8-759-106-41	IC UPC4570C	Q206	8-729-119-78	TRANSISTOR 2SC2785
IC509	8-759-106-41	IC UPC4570C	Q231	8-729-173-38	(AV1010)...TRANSISTOR 2SA733
IC510	8-759-106-41	IC UPC4570C	Q232	8-729-173-38	(AV1010)...TRANSISTOR 2SA733
IC531	8-759-106-41	IC UPC4570C	Q233	8-729-119-78	(AV1010)...TRANSISTOR 2SC2785
IC532	8-759-106-41	IC UPC4570C	Q234	8-729-119-78	(AV1010)...TRANSISTOR 2SC2785
IC601	8-759-112-93	IC UPC4570HA-A	Q235	8-729-119-78	(AV1010)...TRANSISTOR 2SC2785
IC602	8-759-112-93	IC UPC4570HA-A	Q241	8-729-173-38	(AV1010)...TRANSISTOR 2SA733
IC603	8-759-112-93	IC UPC4570HA-A	Q242	8-729-173-38	(AV1010)...TRANSISTOR 2SA733
IC604	8-759-112-93	IC UPC4570HA-A	Q243	8-729-119-78	(AV1010)...TRANSISTOR 2SC2785
IC641	8-759-106-41	IC UPC4570C	Q244	8-729-119-78	(AV1010)...TRANSISTOR 2SC2785
IC642	8-759-801-01	IC LC4966	Q245	8-729-119-78	(AV1010)...TRANSISTOR 2SC2785
IC651	8-759-604-35	IC M5F78M05	Q261	8-729-173-38	(AV1010)...TRANSISTOR 2SA733
IC652	8-759-801-01	IC LC4966	Q262	8-729-173-38	(AV1010)...TRANSISTOR 2SA733
IC653	8-759-106-41	IC UPC4570C	Q263	8-729-119-78	(AV1010)...TRANSISTOR 2SC2785
IC654	8-759-983-12	IC YM3428	Q264	8-729-119-78	(AV1010)...TRANSISTOR 2SC2785
IC655	8-759-106-41	IC UPC4570C	Q265	8-729-119-78	(AV1010)...TRANSISTOR 2SC2785
IC656	8-759-929-37	IC NE646N	Q281	8-729-900-63	(AV1010)...TRANSISTOR DTA124ES
IC657	8-759-106-41	IC UPC4570C	Q282	8-729-900-36	(AV1010)...TRANSISTOR DTC124ES
IC658	8-759-204-30	IC TC9176P	Q301	8-729-119-78	TRANSISTOR 2SC2785
IC831	8-759-604-40	IC UPC78M15H	Q302	8-729-900-36	TRANSISTOR DTC124ES
IC851	8-749-920-76	IC SI-18752	Q303	8-729-900-36	TRANSISTOR DTC124ES
IC881	8-759-105-41	IC UPC79M15H	Q304	8-729-900-36	TRANSISTOR DTC124ES
J201	1-565-319-11	JACK, PIN 2P (VIDEO,MONITOR OUT)	Q305	8-729-900-63	TRANSISTOR DTA124ES
J202	1-565-319-11	JACK, PIN 2P (VIDEO 1,2 IN)	Q307	8-729-900-63	TRANSISTOR DTA124ES
J401	1-563-136-31	(AV1010)...JACK, PIN 3P (VIDEO 3 IN)	Q308	8-729-900-36	TRANSISTOR DTC124ES
J402	1-565-258-11	JACK, PIN 4P (TAPE 2)	Q310	8-729-900-36	TRANSISTOR DTC124ES
J403	1-565-258-11	JACK, PIN 6P (VIDEO 1,2)	Q311	8-729-900-36	TRANSISTOR DTC124ES
J404	1-565-258-11	JACK, PIN 6P (TAPE 1,DAT IN)	Q312	8-729-900-36	TRANSISTOR DTC124ES
J405	1-565-258-11	JACK, PIN 6P (VIDEO,DAT OUT)	Q313	8-729-900-36	TRANSISTOR DTC124ES
L1	1-410-521-11	MICRO INDUCTOR 100UH 10%	Q314	8-729-900-36	TRANSISTOR DTC124ES
L2	1-410-521-11	(AV1010)...MICRO INDUCTOR 100UH 10%	Q315	8-729-900-36	TRANSISTOR DTC124ES
L21	1-410-171-11	MICRO INDUCTOR 1MMH 10%	Q316	8-729-900-63	TRANSISTOR DTA124ES
L201	1-410-509-11	INDUCTOR 10UH	Q317	8-729-900-63	TRANSISTOR DTA124ES
L202	1-410-509-11	INDUCTOR 10UH	Q318	8-729-900-63	TRANSISTOR DTA124ES
L301	1-410-509-11	INDUCTOR 10UH	Q319	8-729-900-63	TRANSISTOR DTA124ES
L491	1-410-509-11	INDUCTOR 10UH	Q321	8-729-900-36	TRANSISTOR DTC124ES
L701	*1-420-872-00	COIL, AIR CORE	Q401	8-729-107-84	TRANSISTOR 2SC3623A
L751	*1-420-872-00	COIL, AIR CORE	Q402	8-729-900-36	TRANSISTOR DTC124ES
L851	*1-420-872-00	COIL, AIR CORE	Q403	8-729-119-78	TRANSISTOR 2SC2785
LPF21	1-235-164-00	FILTER, LOW PASS	Q431	8-729-107-84	TRANSISTOR 2SC3623A
LPF22	1-235-164-00	FILTER, LOW PASS	Q432	8-729-107-84	TRANSISTOR 2SC3623A
Q1	8-729-266-93	TRANSISTOR 2SC2669	Q451	8-729-107-84	TRANSISTOR 2SC3623A
Q2	8-729-266-93	TRANSISTOR 2SC2669	Q481	8-729-107-84	TRANSISTOR 2SC3623A
Q3	8-729-266-93	(AV1010)...TRANSISTOR 2SC2669	Q482	8-729-107-84	TRANSISTOR 2SC3623A
Q4	8-729-266-93	(AV1010)...TRANSISTOR 2SC2669	Q541	8-729-244-61	TRANSISTOR 2SK246Y
Q21	8-729-119-78	TRANSISTOR 2SC2785	Q542	8-729-119-98	TRANSISTOR 2SC2785
Q22	8-729-119-78	TRANSISTOR 2SC2785	Q591	8-729-244-61	TRANSISTOR 2SK246Y
Q23	8-729-900-61	TRANSISTOR DTA114ES	Q592	8-729-119-78	TRANSISTOR 2SC2785
Q24	8-729-900-80	TRANSISTOR DTC114ES			
Q25	8-729-900-80	(AV1010)...TRANSISTOR DTC114ES			

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
Q641	8-729-900-36	TRANSISTOR DTC124ES	Q814	8-729-173-38	TRANSISTOR 2SA733
Q642	8-729-900-63	TRANSISTOR DTA124ES	Q815	8-729-173-38	TRANSISTOR 2SA733
Q643	8-729-900-36	TRANSISTOR DTC124ES	Q816	8-729-119-78	TRANSISTOR 2SC2785
Q644	8-729-900-36	TRANSISTOR DTC124ES	Q841	8-729-900-63	TRANSISTOR DTA124ES
Q645	8-729-900-63	TRANSISTOR DTA124ES	Q851	8-729-108-14	TRANSISTOR 2SA988-F
Q646	8-729-900-36	TRANSISTOR DTC124ES	Q852	8-729-119-78	TRANSISTOR 2SC2785
Q671	8-729-119-78	TRANSISTOR 2SC2785	R1	1-249-397-11	(AV10100...RES,CARBON(SMALL) 22 5% 1/8W
Q672	8-729-173-38	TRANSISTOR 2SA733	R1	1-249-401-11	(AV910)...RES,CARBON(SMALL) 47 5% 1/4W
Q673	8-729-107-84	TRANSISTOR 2SC3623AK	R2	1-249-329-11	CARBON MELF 330 5% 1/8W
Q674	8-729-107-84	TRANSISTOR 2SC3623AK	R3	1-249-329-11	CARBON MELF 330 5% 1/8W
Q701	8-729-173-38	TRANSISTOR 2SA733	R4	1-249-329-11	CARBON MELF 330 5% 1/8W
Q702	8-729-108-05	TRANSISTOR 2SC1841-PA	R5	1-249-329-11	CARBON MELF 330 5% 1/8W
Q703	8-729-108-05	TRANSISTOR 2SC1841-PA	R6	1-249-350-11	CARBON MELF 18K 5% 1/8W
Q704	8-729-203-21	TRANSISTOR 2SK389-GR	R7	1-249-329-11	CARBON MELF 330 5% 1/8W
Q705	8-729-168-22	TRANSISTOR 2SC2682	R8	1-249-332-11	CARBON MELF 560 5% 1/8W
Q706	8-729-173-38	TRANSISTOR 2SA733	R9	1-249-352-11	CARBON MELF 27K 5% 1/8W
Q707	8-729-114-22	TRANSISTOR 2SA1142	R10	1-249-329-11	(AV1010)...CARBON MELF 330 5% 1/8W
Q708	8-729-168-22	TRANSISTOR 2SC2682	R11	1-249-350-11	(AV1010)...CARBON MELF 18K 5% 1/8W
Q709	8-729-107-26	TRANSISTOR 2SD1585-K	R12	1-249-329-11	(AV1010)...CARBON MELF 330 5% 1/8W
Q711	8-729-168-22	TRANSISTOR 2SC2682	R13	1-249-334-11	(AV1010)...CARBON MELF 820 5% 1/8W
Q712	8-729-114-22	TRANSISTOR 2SA1142	R14	1-249-352-11	(AV1010)...CARBON MELF 27K 5% 1/8W
Q713	8-729-809-29	TRANSISTOR 2SC4431	R15	1-249-347-11	(AV1010)...CARBON MELF 10K 5% 1/8W
Q714	8-729-119-78	TRANSISTOR 2SC2785	R16	1-249-343-11	(AV1010)...CARBON MELF 4.7K 5% 1/8W
Q715	8-729-300-36	(AV1010)...TRANSISTOR 2SC2921	R21	1-249-404-00	RES,CARBON(SMALL) 82 5% 1/4W
Q715	8-729-321-15	(AV910)...TRANSISTOR 2SC4388-OY	R22	1-249-428-11	RES,CARBON(SMALL) 8.2K 5% 1/4W
Q716	8-729-300-22	(AV1010)...TRANSISTOR 2SA1215	R23	1-249-335-11	CARBON MELF 1K 5% 1/8W
Q716	8-729-321-18	(AV910)...TRANSISTOR 2SA1673-OY	R24	1-249-353-11	(AV1010)...CARBON MELF 33K 5% 1/8W
Q717	8-729-108-14	TRANSISTOR 2SA988-F	R25	1-249-428-11	RES,CARBON(SMALL) 8.2K 5% 1/8W
Q718	8-729-108-14	TRANSISTOR 2SA988-F	R26	1-249-340-11	(AV1010)...CARBON MELF 2.7K 5% 1/8W
Q719	8-729-119-78	TRANSISTOR 2SC2785	R27	1-249-350-11	CARBON MELF 18K 5% 1/8W
Q721	8-729-108-05	TRANSISTOR 2SA1841-PA	R28	1-249-423-11	CARBON(SMALL) 3.3K 5% 1/8W
Q722	8-729-119-78	TRANSISTOR 2SC2785	R29	1-249-347-11	CARBON MELF 10K 5% 1/8W
Q723	8-729-119-78	TRANSISTOR 2SC2785	R31	1-249-331-11	CARBON MELF 470 5% 1/8W
Q751	8-729-173-38	TRANSISTOR 2SA733	R32	1-249-347-11	CARBON MELF 10K 5% 1/8W
Q752	8-729-108-05	TRANSISTOR 2SA1841-PA	R33	1-249-347-11	CARBON MELF 10K 5% 1/8W
Q753	8-729-108-05	TRANSISTOR 2SA1841-PA	R35	1-249-355-11	CARBON MELF 47K 5% 1/8W
Q754	8-729-203-21	TRANSISTOR 2SK389-GR	R37	1-249-359-11	CARBON MELF 100K 5% 1/8W
Q755	8-729-168-22	TRANSISTOR 2SC2682	R38	1-249-363-11	CARBON MELF 220K 5% 1/8W
Q756	8-729-173-38	TRANSISTOR 2SA733	R39	1-249-339-11	CARBON MELF 2.2K 5% 1/8W
Q757	8-729-114-22	TRANSISTOR 2SA1142	R40	1-249-338-11	CARBON MELF 1.8K 5% 1/8W
Q758	8-729-168-22	TRANSISTOR 2SC2682	R41	1-249-344-11	CARBON MELF 5.6K 5% 1/8W
Q759	8-729-107-29	TRANSISTOR 2SD1585-K	R42	1-249-359-11	CARBON MELF 100K 5% 1/8W
Q761	8-729-168-22	TRANSISTOR 2SC2682	R43	1-249-363-11	CARBON MELF 220K 5% 1/8W
Q762	8-729-114-22	TRANSISTOR 2SA1142	R44	1-249-339-11	CARBON MELF 2.2K 5% 1/8W
Q763	8-729-809-29	TRANSISTOR 2SC4431	R45	1-249-338-11	CARBON MELF 1.8K 5% 1/8W
Q764	8-729-809-26	TRANSISTOR 2SA1684	R46	1-249-344-11	CARBON MELF 5.6K 5% 1/8W
Q765	8-729-300-36	(AV1010)...TRANSISTOR 2SC2921	R47	1-249-409-11	RES,CARBON(SMALL) 220 5% 1/4W
Q765	8-729-321-15	(AV910)...TRANSISTOR 2SC4388-OY	R48	1-249-359-11	CARBON MELF 100K 5% 1/8W
Q766	8-729-300-22	(AV1010)...TRANSISTOR 2SA1215	R49	1-249-359-11	CARBON MELF 100K 5% 1/8W
Q766	8-729-321-18	(AV910)...TRANSISTOR 2SA1673-OY	R61	1-249-359-11	CARBON MELF 100K 5% 1/8W
Q767	8-729-108-14	TRANSISTOR 2SA988-F	R62	1-249-355-11	CARBON MELF 47K 5% 1/8W
Q768	8-729-108-14	TRANSISTOR 2SA988-F	R63	1-249-315-11	CARBON MELF 22 5% 1/8W
Q801	8-729-114-22	TRANSISTOR 2SA1142	R81	1-249-335-11	CARBON MELF 1K 5% 1/8W
Q811	8-729-107-26	TRANSISTOR 2SD1585-K	R82	1-249-335-11	CARBON MELF 1K 5% 1/8W
Q812	8-729-119-78	TRANSISTOR 2SC2785	R83	1-249-335-11	CARBON MELF 1K 5% 1/8W
Q813	8-729-119-78	TRANSISTOR 2SC2785	R84	1-249-335-11	CARBON MELF 1K 5% 1/8W

Ref.No.	Part No.	Description								
R88	1-249-343-11	CARBON MELF	4.7K	5%	1/8W					
R89	1-249-335-11	CARBON MELF	1K	5%	1/8W					
R90	1-249-347-11	CARBON MELF	10K	5%	1/8W					
R91	1-249-335-11	CARBON MELF	1K	5%	1/8W					
R92	1-249-401-11	RES,CARBON(SMALL)	47	5%	1/8W					
R101	1-249-341-11	CARBON MELF	3.3K	5%	1/8W					
R102	1-249-332-11	CARBON MELF	560	5%	1/8W					
R103	1-249-335-11	CARBON MELF	1K	5%	1/8W					
R104	1-249-328-11	CARBON MELF	270	5%	1/8W					
R105	1-249-343-11	CARBON MELF	4.7K	5%	1/8W					
R106	1-249-339-11	CARBON MELF	2.2K	5%	1/8W					
R107	1-249-343-11	CARBON MELF	4.7K	5%	1/8W					
R108	1-249-323-11	CARBON MELF	100	5%	1/8W					
R109	1-249-343-11	CARBON MELF	4.7K	5%	1/8W					
R110	1-249-405-11	RES,CARBON(SMALL)	100	5%	1/4W					
R201	1-247-804-11	CARBON	75	5%	1/4W					
R202	1-249-417-11	CARBON	1K	5%	1/4W					
R203	1-249-401-11	CARBON	47	5%	1/4W					
R204	1-249-418-11	CARBON	1.2K	5%	1/4W					
R205	1-249-405-11	CARBON	100	5%	1/4W					
R206	1-249-423-11	CARBON	3.3K	5%	1/4W					
R207	1-249-423-11	CARBON	3.3K	5%	1/4W					
R208	1-249-424-11	CARBON	3.9K	5%	1/4W					
R209	1-249-415-11	CARBON	680	5%	1/4W					
R210	1-249-439-11	CARBON	68K	5%	1/4W					
R211	1-249-434-11	CARBON	27K	5%	1/4W					
R212	1-247-804-11	CARBON	75	5%	1/4W					
R213	1-247-804-11	CARBON	75	5%	1/4W					
R216	1-247-804-11	CARBON	75	5%	1/4W					
R217	1-249-417-11	CARBON	1K	5%	1/4W					
R218	1-247-804-11	CARBON	75	5%	1/4W					
R220	1-249-426-11	CARBON	5.6K	5%	1/4W					
R221	1-249-434-11	CARBON	27K	5%	1/4W					
R222	1-249-429-11	CARBON	10K	5%	1/4W					
R231	1-247-804-11	(AV1010)...CARBON	75	5%	1/4W					
R232	1-249-417-11	(AV1010)...CARBON	1K	5%	1/4W					
R233	1-249-401-11	(AV1010)...CARBON	47	5%	1/4W					
R234	1-249-418-11	(AV1010)...CARBON	1.2K	5%	1/4W					
R235	1-249-405-11	(AV1010)...CARBON	100	5%	1/4W					
R236	1-249-423-11	(AV1010)...CARBON	3.3K	5%	1/4W					
R237	1-249-423-11	(AV1010)...CARBON	3.3K	5%	1/4W					
R238	1-249-424-11	(AV1010)...CARBON	3.9K	5%	1/4W					
R239	1-249-415-11	(AV1010)...CARBON	680	5%	1/4W					
R240	1-249-438-11	(AV1010)...CARBON	56K	5%	1/4W					
R241	1-249-438-11	(AV1010)...CARBON	56K	5%	1/4W					
R242	1-247-804-11	(AV1010)...CARBON	75	5%	1/4W					
R246	1-247-804-11	(AV1010)...CARBON	75	5%	1/4W					
R247	1-249-417-11	(AV1010)...CARBON	1K	5%	1/4W					
R248	1-249-401-11	(AV1010)...CARBON	47	5%	1/4W					
R249	1-249-418-11	(AV1010)...CARBON	1.2K	5%	1/4W					
R250	1-249-405-11	(AV1010)...CARBON	100	5%	1/4W					
R251	1-249-423-11	(AV1010)...CARBON	3.3K	5%	1/4W					
R252	1-249-423-11	(AV1010)...CARBON	3.3K	5%	1/4W					
R253	1-249-424-11	(AV1010)...CARBON	3.9K	5%	1/4W					
R254	1-249-415-11	(AV1010)...CARBON	680	5%	1/4W					
R255	1-249-438-11	(AV1010)...CARBON	56K	5%	1/4W					
R256	1-249-438-11	(AV1010)...CARBON	56K	5%	1/4W					
R257	1-247-804-11	(AV1010)...CARBON	75	5%	1/4W					
R261	1-247-804-11	(AV1010)...CARBON	75	5%	1/4W					
R262	1-249-417-11	(AV1010)...CARBON	1K	5%	1/4W					
R263	1-249-401-11	(AV1010)...CARBON	47	5%	1/4W					
R264	1-249-418-11	(AV1010)...CARBON	1.2K	5%	1/4W					
R265	1-249-405-11	(AV1010)...CARBON	100	5%	1/4W					
R266	1-249-423-11	(AV1010)...CARBON	3.3K	5%	1/4W					
R267	1-249-423-11	(AV1010)...CARBON	3.3K	5%	1/4W					
R268	1-249-424-11	(AV1010)...CARBON	3.9K	5%	1/4W					
R269	1-249-415-11	(AV1010)...CARBON	680	5%	1/4W					
R270	1-249-439-11	(AV1010)...CARBON	68K	5%	1/4W					
R271	1-249-434-11	(AV1010)...CARBON	27K	5%	1/4W					
R272	1-247-804-11	(AV1010)...CARBON	75	5%	1/4W					
R276	1-247-804-11	(AV1010)...CARBON	75	5%	1/4W					
R277	1-249-417-11	(AV1010)...CARBON	1K	5%	1/4W					
R281	1-249-437-11	(AV1010)...CARBON	47K	5%	1/4W					
R287	1-247-804-11	(AV1010)...CARBON	75	5%	1/4W					
R301	1-249-441-11	CARBON	100K	5%	1/4W					
R302	1-249-441-11	CARBON	100K	5%	1/4W					
R303	1-249-441-11	CARBON	100K	5%	1/4W					
R304	1-249-433-11	CARBON	22K	5%	1/4W					
R305	1-249-417-11	CARBON	1K	5%	1/4W					
R306	1-249-429-11	CARBON	10K	5%	1/4W					
R308	1-249-405-11	CARBON	100	5%	1/4W					
R309	1-249-405-11	CARBON	100	5%	1/4W					
R310	1-249-429-11	CARBON	10K	5%	1/4W					
R311	1-249-429-11	CARBON	10K	5%	1/4W					
R312	1-249-429-11	CARBON	10K	5%	1/4W					
R313	1-249-437-11	CARBON	47K	5%	1/4W					
R315	1-249-429-11	CARBON	10K	5%	1/4W					
R316	1-249-429-11	CARBON	10K	5%	1/4W					
R317	1-249-429-11	CARBON	10K	5%	1/4W					
R318	1-249-437-11	CARBON	47K	5%	1/4W					
R319	1-249-429-11	CARBON	10K	5%	1/4W					
R320	1-249-423-11	CARBON	3.3K	5%	1/4W					
R321	1-249-411-11	CARBON	330	5%	1/4W					
R322	1-249-411-11	CARBON	330	5%	1/4W					
R323	1-249-411-11	CARBON	330	5%	1/4W					
R324	1-249-411-11	CARBON	330	5%	1/4W					
R325	1-249-411-11	CARBON	330	5%	1/4W					
R326	1-249-433-11	CARBON	22K	5%	1/4W					
R327	1-249-433-11	CARBON	22K	5%	1/4W					
R328	1-249-433-11	CARBON	22K	5%	1/4W					
R329	1-249-433-11	CARBON	22K	5%	1/4W					
R330	1-249-433-11	CARBON	22K	5%	1/4W					
R331	1-249-387-11	CARBON	3.3	5%	1/4W					
R332	1-249-437-11	CARBON	47K	5%	1/4W					
R333	1-249-437-11	CARBON	47K	5%	1/4W					
R334	1-249-406-11	CARBON	120	5%	1/4W					
R336	1-249-409-11	CARBON	220	5%	1/4W					
R337	1-249-409-11	CARBON	220	5%	1/4W					
R338	1-249-409-11	CARBON	220	5%	1/4W					
R339	1-249-409-11	CARBON	220	5%	1/4W					
R340	1-249-408-11	CARBON	180	5%	1/4W					
R341	1-249-431-11	CARBON	15K	5%	1/4W					
R342	1-247-881-00	CARBON	120K	5%	1/4W					
R343	1-249-417-11	CARBON	1K	5%	1/4W					
R346	1-249-429-11	CARBON	10K	5%	1/4W					
R347	1-249-441-11	CARBON	100K	5%	1/4W					



Ref.No.	Part No.	Description							
R351	1-249-409-11	CARBON	220	5%	1/4W				
R353	1-249-409-11	CARBON	220	5%	1/4W				
R401	1-249-411-11	CARBON	330	5%	1/4W				
R402	1-249-417-11	CARBON	1K	5%	1/4W				
R403	1-249-417-11	CARBON	1K	5%	1/4W				
R404	1-249-417-11	CARBON	1K	5%	1/4W				
R405	1-249-417-11	CARBON	1K	5%	1/4W				
R406	1-249-417-11	CARBON	1K	5%	1/4W				
R407	1-249-417-11	CARBON	1K	5%	1/4W				
R408	1-249-417-11	CARBON	1K	5%	1/4W				
R409	1-249-417-11	CARBON	1K	5%	1/4W				
R410	1-249-417-11	CARBON	1K	5%	1/4W				
R411	1-249-417-11	CARBON	1K	5%	1/4W				
R412	1-249-417-11	(AV1010)...CARBON	1K	5%	1/4W				
R413	1-247-887-00	CARBON	220K	5%	1/4W				
R414	1-249-429-11	(AV1010)...CARBON	10K	5%	1/4W				
R415	1-249-437-11	CARBON	47K	5%	1/4W				
R416	1-249-425-11	CARBON	4.7K	5%	1/4W				
R417	1-249-399-11	(AV1010)...CARBON	33	5%	1/4W				
R417	1-249-401-11	(AV910)...CARBON	47	5%	1/4W				
R418	1-249-429-11	CARBON	10K	5%	1/4W				
R419	1-249-393-11	CARBON	10	5%	1/4W				
R420	1-249-417-11	CARBON	1K	5%	1/4W				
R421	1-249-441-11	CARBON	100K	5%	1/4W				
R422	1-249-441-11	CARBON	100K	5%	1/4W				
R423	1-249-417-11	CARBON	1K	5%	1/4W				
R424	1-247-897-11	CARBON	560K	5%	1/4W				
R425	1-249-437-11	CARBON	47K	5%	1/4W				
R426	1-249-441-11	CARBON	100K	5%	1/4W				
R427	1-249-409-11	CARBON	220	5%	1/4W				
R428	1-249-437-11	CARBON	47K	5%	1/4W				
R429	1-249-441-11	CARBON	100K	5%	1/4W				
R431	1-247-903-00	CARBON	1M	5%	1/4W				
R432	1-249-419-11	CARBON	1.5K	5%	1/4W				
R433	1-249-433-11	CARBON	22K	5%	1/4W				
R434	1-249-417-11	CARBON	1K	5%	1/4W				
R435	1-249-405-11	CARBON	100	5%	1/4W				
R436	1-249-429-11	CARBON	10K	5%	1/4W				
R437	1-249-417-11	CARBON	1K	5%	1/4W				
R438	1-249-441-11	CARBON	100K	5%	1/4W				
R439	1-249-411-11	CARBON	330	5%	1/4W				
R441	1-249-429-11	CARBON	10K	5%	1/4W				
R442	1-249-429-11	CARBON	10K	5%	1/4W				
R451	1-249-411-11	CARBON	330	5%	1/4W				
R452	1-249-417-11	CARBON	1K	5%	1/4W				
R453	1-249-417-11	CARBON	1K	5%	1/4W				
R454	1-249-417-11	CARBON	1K	5%	1/4W				
R455	1-249-417-11	CARBON	1K	5%	1/4W				
R456	1-249-417-11	CARBON	1K	5%	1/4W				
R457	1-249-417-11	CARBON	1K	5%	1/4W				
R458	1-249-417-11	CARBON	1K	5%	1/4W				
R459	1-249-417-11	CARBON	1K	5%	1/4W				
R460	1-249-417-11	CARBON	1K	5%	1/4W				
R461	1-249-417-11	CARBON	1K	5%	1/4W				
R462	1-249-417-11	(AV1010)...CARBON	1K	5%	1/4W				
R463	1-247-887-00	(AV1010)...CARBON	220K	5%	1/4W				
R464	1-249-429-11	CARBON	10K	5%	1/4W				
R465	1-249-437-11	CARBON	47K	5%	1/4W				
R471	1-249-441-11	CARBON	100K	5%	1/4W				
R472	1-249-441-11	CARBON	100K	5%	1/4W				
R473	1-249-417-11	CARBON	1K	5%	1/4W				
R474	1-247-897-11	CARBON	560K	5%	1/4W				
R475	1-249-437-11	CARBON	47K	5%	1/4W				
R476	1-249-441-11	CARBON	100K	5%	1/4W				
R477	1-249-409-11	CARBON	220	5%	1/4W				
R478	1-249-437-11	CARBON	47K	5%	1/4W				
R479	1-249-441-11	CARBON	100K	5%	1/4W				
R481	1-247-903-00	CARBON	1M	5%	1/4W				
R482	1-249-419-11	CARBON	1.5K	5%	1/4W				
R483	1-249-433-11	CARBON	22K	5%	1/4W				
R484	1-249-417-11	CARBON	1K	5%	1/4W				
R485	1-249-405-11	CARBON	100	5%	1/4W				
R486	1-249-429-11	CARBON	10K	5%	1/4W				
R487	1-249-417-11	CARBON	1K	5%	1/4W				
R488	1-249-441-11	CARBON	100K	5%	1/4W				
R489	1-249-437-11	CARBON	47K	5%	1/4W				
R490	1-249-429-11	CARBON	10K	5%	1/4W				
R491	1-247-903-00	CARBON	1M	5%	1/4W				
R492	1-247-887-00	CARBON	220K	5%	1/4W				
R493	1-247-903-00	CARBON	1M	5%	1/4W				
R494	1-249-441-11	CARBON	100K	5%	1/4W				
R495	1-249-425-11	CARBON	4.7K	5%	1/4W				
R496	1-249-417-11	CARBON	1K	5%	1/4W				
R497	1-249-417-11	CARBON	1K	5%	1/4W				
R501	1-249-441-11	CARBON	100K	5%	1/4W				
R502	1-249-441-11	CARBON	100K	5%	1/4W				
R503	1-247-895-00	CARBON	470K	5%	1/4W				
R504	1-249-429-11	CARBON	10K	5%	1/4W				
R505	1-249-429-11	CARBON	10K	5%	1/4W				
R506	1-247-895-00	CARBON	470K	5%	1/4W				
R507	1-247-903-00	CARBON	1M	5%	1/4W				
R508	1-247-881-00	CARBON	120K	5%	1/4W				
R509	1-249-414-11	CARBON	560	5%	1/4W				
R510	1-247-903-00	CARBON	1M	5%	1/4W				
R511	1-247-881-00	CARBON	120K	5%	1/4W				
R512	1-249-415-11	CARBON	680	5%	1/4W				
R513	1-247-903-00	CARBON	1M	5%	1/4W				
R514	1-247-881-00	CARBON	120K	5%	1/4W				
R515	1-249-414-11	CARBON	560	5%	1/4W				
R516	1-247-903-00	CARBON	1M	5%	1/4W				
R517	1-247-881-00	CARBON	120K	5%	1/4W				
R518	1-249-415-11	CARBON	680	5%	1/4W				
R519	1-247-903-00	CARBON	1M	5%	1/4W				
R520	1-247-881-00	CARBON	120K	5%	1/4W				
R521	1-249-415-11	CARBON	680	5%	1/4W				
R522	1-247-903-00	CARBON	1M	5%	1/4W				
R523	1-247-881-00	CARBON	120K	5%	1/4W				
R524	1-249-415-11	CARBON	680	5%	1/4W				
R525	1-247-903-00	CARBON	1M	5%	1/4W				
R526	1-247-881-00	CARBON	120K	5%	1/4W				
R527	1-249-415-11	CARBON	680	5%	1/4W				
R531	1-247-887-00	CARBON	220K	5%	1/4W				
R532	1-249-405-11	CARBON	100	5%	1/4W				
R533	1-249-405-11	CARBON	100	5%	1/4W				
R534	1-249-429-11	CARBON	10K	5%	1/4W				
R535	1-249-429-11	CARBON	10K	5%	1/4W				
R536	1-249-429-11	CARBON	10K	5%	1/4W				
R537	1-247-895-00	CARBON	470K	5%	1/4W				
R538	1-249-429-11	CARBON	10K	5%	1/4W				

Ref.No.	Part No.	Description			
R539	1-249-429-11	CARBON	10K	5%	1/4W
R540	1-249-429-11	CARBON	10K	5%	1/4W
R541	1-249-441-11	CARBON	100K	5%	1/4W
R542	1-249-423-11	CARBON	3.3K	5%	1/4W
R543	1-249-427-11	CARBON	6.8K	5%	1/4W
R544	1-247-883-00	CARBON	150K	5%	1/4W
R545	1-249-412-11	CARBON	390	5%	1/4W
R551	1-249-441-11	CARBON	100K	5%	1/4W
R552	1-249-441-11	CARBON	100K	5%	1/4W
R553	1-247-895-00	CARBON	470K	5%	1/4W
R554	1-249-429-11	CARBON	10K	5%	1/4W
R555	1-249-429-11	CARBON	10K	5%	1/4W
R556	1-247-895-00	CARBON	470K	5%	1/4W
R557	1-247-903-00	CARBON	1M	5%	1/4W
R558	1-247-881-00	CARBON	120K	5%	1/4W
R559	1-249-414-11	CARBON	560	5%	1/4W
R560	1-247-903-00	CARBON	1M	5%	1/4W
R561	1-247-881-00	CARBON	120K	5%	1/4W
R562	1-249-415-11	CARBON	680	5%	1/4W
R563	1-247-903-00	CARBON	1M	5%	1/4W
R564	1-247-881-00	CARBON	120K	5%	1/4W
R565	1-249-414-11	CARBON	560	5%	1/4W
R566	1-247-903-00	CARBON	1M	5%	1/4W
R567	1-247-881-00	CARBON	120K	5%	1/4W
R568	1-249-415-11	CARBON	680	5%	1/4W
R569	1-247-903-00	CARBON	1M	5%	1/4W
R570	1-247-881-00	CARBON	120K	5%	1/4W
R571	1-249-415-11	CARBON	680	5%	1/4W
R572	1-247-903-00	CARBON	1M	5%	1/4W
R573	1-247-881-00	CARBON	120K	5%	1/4W
R574	1-249-415-11	CARBON	680	5%	1/4W
R575	1-247-903-00	CARBON	1M	5%	1/4W
R576	1-247-881-00	CARBON	120K	5%	1/4W
R577	1-249-415-11	CARBON	680	5%	1/4W
R581	1-247-887-00	CARBON	220K	5%	1/4W
R582	1-249-405-11	CARBON	100	5%	1/4W
R583	1-249-405-11	CARBON	100	5%	1/4W
R584	1-249-429-11	CARBON	10K	5%	1/4W
R586	1-249-429-11	CARBON	10K	5%	1/4W
R587	1-247-895-00	CARBON	470K	5%	1/4W
R588	1-249-429-11	CARBON	10K	5%	1/4W
R589	1-249-429-11	CARBON	10K	5%	1/4W
R591	1-249-441-11	CARBON	100K	5%	1/4W
R592	1-249-423-11	CARBON	3.3K	5%	1/4W
R593	1-249-427-11	CARBON	6.8K	5%	1/4W
R594	1-247-883-00	CARBON	150K	5%	1/4W
R595	1-249-401-11	CARBON	47	5%	1/4W
R602	1-249-417-11	CARBON	1K	5%	1/4W
R603	1-249-411-11	CARBON	330	5%	1/4W
R604	1-247-885-00	CARBON	180K	5%	1/4W
R605	1-249-429-11	CARBON	10K	5%	1/4W
R606	1-249-440-11	CARBON	82K	5%	1/4W
R607	1-247-903-00	CARBON	1M	5%	1/4W
R608	1-249-423-11	CARBON	3.3K	5%	1/4W
R609	1-249-441-11	CARBON	100K	5%	1/4W
R610	1-249-441-11	CARBON	100K	5%	1/4W
R611	1-247-903-00	CARBON	1M	5%	1/4W

Ref.No.	Part No.	Description			
R612	1-249-424-11	CARBON	3.9K	5%	1/4W
R613	1-249-441-11	CARBON	100K	5%	1/4W
R614	1-249-441-11	CARBON	100K	5%	1/4W
R615	1-247-903-00	CARBON	1M	5%	1/4W
R616	1-249-426-11	CARBON	5.6K	5%	1/4W
R617	1-249-441-11	CARBON	100K	5%	1/4W
R618	1-249-440-11	CARBON	82K	5%	1/4W
R619	1-247-903-00	CARBON	1M	5%	1/4W
R620	1-249-421-11	CARBON	2.2K	5%	1/4W
R621	1-249-441-11	CARBON	100K	5%	1/4W
R622	1-249-433-11	CARBON	22K	5%	1/4W
R623	1-247-889-00	CARBON	270K	5%	1/4W
R624	1-249-416-11	CARBON	820	5%	1/4W
R625	1-249-441-11	CARBON	100K	5%	1/4W
R626	1-249-429-11	CARBON	10K	5%	1/4W
R627	1-247-881-00	CARBON	120K	5%	1/4W
R628	1-249-414-11	CARBON	560	5%	1/4W
R629	1-249-429-11	CARBON	10K	5%	1/4W
R630	1-249-424-11	CARBON	3.9K	5%	1/4W
R631	1-249-437-11	CARBON	47K	5%	1/4W
R632	1-249-410-11	CARBON	270	5%	1/4W
R633	1-249-441-11	CARBON	100K	5%	1/4W
R634	1-249-431-11	CARBON	15K	5%	1/4W
R635	1-249-441-11	CARBON	100K	5%	1/4W
R636	1-249-441-11	CARBON	100K	5%	1/4W
R641	1-249-437-11	CARBON	47K	5%	1/4W
R642	1-249-437-11	CARBON	47K	5%	1/4W
R643	1-249-421-11	CARBON	2.2K	5%	1/4W
R644	1-249-411-11	CARBON	330	5%	1/4W
R645	1-249-429-11	CARBON	10K	5%	1/4W
R646	1-249-417-11	CARBON	1K	5%	1/4W
R647	1-249-441-11	CARBON	100K	5%	1/4W
R648	1-249-428-11	CARBON	8.2K	5%	1/4W
R649	1-249-428-11	CARBON	8.2K	5%	1/4W
R650	1-249-431-11	CARBON	15K	5%	1/4W
R651	1-249-428-11	CARBON	8.2K	5%	1/4W
R652	1-249-428-11	CARBON	8.2K	5%	1/4W
R653	1-249-428-11	CARBON	8.2K	5%	1/4W
R654	1-249-431-11	CARBON	15K	5%	1/4W
R655	1-249-428-11	CARBON	8.2K	5%	1/4W
R656	1-249-437-11	CARBON	47K	5%	1/4W
R659	1-249-417-11	CARBON	1K	5%	1/4W
R660	1-247-903-00	CARBON	1M	5%	1/4W
R661	1-247-903-00	CARBON	1M	5%	1/4W
R662	1-249-425-11	CARBON	4.7K	5%	1/4W
R663	1-249-424-11	CARBON	3.9K	5%	1/4W
R664	1-249-436-11	CARBON	39K	5%	1/4W
R666	1-249-436-11	CARBON	39K	5%	1/4W
R668	1-249-437-11	CARBON	4.7K	5%	1/4W
R669	1-249-437-11	CARBON	4.7K	5%	1/4W
R671	1-249-426-11	CARBON	5.6K	5%	1/4W
R672	1-249-429-11	CARBON	10K	5%	1/4W
R673	1-249-429-11	CARBON	10K	5%	1/4W
R674	1-249-426-11	CARBON	5.6K	5%	1/4W
R675	1-249-420-11	CARBON	1.8K	5%	1/4W
R676	1-247-885-00	CARBON	180K	5%	1/4W
R677	1-249-437-11	CARBON	47K	5%	1/4W
R678	1-249-429-11	CARBON	10K	5%	1/4W
R679	1-249-435-11	CARBON	33K	5%	1/4W

Ref.No.	Part No.	Description				
R680	1-249-439-11	CARBON	68K	5%	1/4W	
R681	1-249-433-11	CARBON	22K	5%	1/4W	
R682	1-249-433-11	CARBON	22K	5%	1/4W	
R683	1-249-423-11	CARBON	3.3K	5%	1/4W	
R684	1-249-408-11	CARBON	180	5%	1/4W	
R685	1-247-889-00	CARBON	270K	5%	1/4W	
R686	1-249-419-11	CARBON	1.5K	5%	1/4W	
R687	1-249-417-11	CARBON	1K	5%	1/4W	
R688	1-249-417-11	CARBON	1K	5%	1/4W	
R689	1-249-441-11	CARBON	100K	5%	1/4W	
R690	1-249-429-11	CARBON	10K	5%	1/4W	
R691	1-249-431-11	CARBON	15K	5%	1/4W	
R693	1-249-429-11	CARBON	10K	5%	1/4W	
R694	1-249-429-11	CARBON	10K	5%	1/4W	
R695	1-249-429-11	CARBON	10K	5%	1/4W	
R696	1-249-429-11	CARBON	10K	5%	1/4W	
R697	1-247-887-00	CARBON	220K	5%	1/4W	
R698	1-247-887-00	CARBON	220K	5%	1/4W	
R700	△.1-216-431-11	METAL OXIDE	560	5%	1W	F
R701	1-249-417-11	CARBON	1K	5%	1/4W	
R702	△.1-249-409-11	CARBON	220	5%	1/4W	F
R703	△.1-249-409-11	CARBON	220	5%	1/4W	F
R704	1-249-405-11	CARBON	100	5%	1/4W	
R705	1-247-903-00	CARBON	1M	5%	1/4W	
R706	△.1-249-399-11	CARBON	33	5%	1/4W	F
R707	1-249-409-11	CARBON	220	5%	1/4W	
R708	1-249-421-11	CARBON	2.2K	5%	1/4W	
R709	1-249-419-11	CARBON	1.5K	5%	1/4W	
R710	1-247-903-00	CARBON	1M	5%	1/4W	
R711	1-249-434-11	CARBON	27K	5%	1/4W	
R712	1-249-406-11	CARBON	120	5%	1/4W	
R713	1-249-490-11	CARBON	27K	5%	1/2W	
R714	1-249-425-11	CARBON	4.7K	5%	1/4W	
R715	△.1-247-700-11	CARBON	100	5%	1/4W	F
R716	1-249-422-11	CARBON	2.7K	5%	1/4W	
R717	1-249-416-11	CARBON	820	5%	1/4W	
R718	1-249-405-11	CARBON	100	5%	1/4W	
R719	1-249-405-11	CARBON	100	5%	1/4W	
R720	△.1-247-688-11	CARBON	10	5%	1/4W	F
R721	△.1-247-711-11	CARBON	680	5%	1/4W	F
R722	△.1-247-688-11	CARBON	10	5%	1/4W	F
R723	△.1-247-688-11	CARBON	10	5%	1/4W	F
R724	△.1-247-708-11	CARBON	470	5%	1/4W	F
R725	△.1-247-688-11	CARBON	10	5%	1/4W	F
R726	1-214-789-00	RES, METAL PLATE 0.1			5W	
R727	1-214-789-00	RES, METAL PLATE 0.1			5W	
R728	1-249-419-11	CARBON	1.5K	5%	1/4W	
R729	1-249-419-11	CARBON	1.5K	5%	1/4W	
R730	1-249-431-11	CARBON	15K	5%	1/4W	
R731	1-249-431-11	CARBON	15K	5%	1/4W	
R732	1-249-482-11	CARBON	4.7	5%	1/2W	
R733	1-247-727-11	CARBON	10	5%	1/2W	
R734	1-249-417-11	CARBON	1K	5%	1/4W	
R735	1-249-429-11	CARBON	10K	5%	1/4W	
R736	1-249-437-11	CARBON	47K	5%	1/4W	
R737	1-249-436-11	CARBON	39K	5%	1/4W	
R738	1-249-434-11	CARBON	27K	5%	1/4W	

Ref.No.	Part No.	Description				
R739	1-249-429-11	CARBON	10K	5%	1/4W	
R740	1-249-437-11	CARBON	47K	5%	1/4W	
R744	1-247-903-00	CARBON	1M	5%	1/4W	
R750	△.1-216-431-11	METAL OXIDE	560	5%	1W	F
R751	1-249-417-11	CARBON	1K	5%	1/4W	
R752	△.1-249-409-11	CARBON	220	5%	1/4W	F
R753	△.1-249-409-11	CARBON	220	5%	1/4W	F
R754	1-249-405-11	CARBON	100	5%	1/4W	
R755	1-247-903-00	CARBON	1M	5%	1/4W	
R756	△.1-249-399-11	CARBON	33	5%	1/4W	F
R757	1-249-409-11	CARBON	220	5%	1/4W	
R758	1-249-421-11	CARBON	2.2K	5%	1/4W	
R759	1-249-419-11	CARBON	1.5K	5%	1/4W	
R760	1-247-903-00	CARBON	1M	5%	1/4W	
R761	1-249-434-11	CARBON	27K	5%	1/4W	
R762	1-249-406-11	CARBON	120	5%	1/4W	
R763	1-249-490-11	CARBON	27K	5%	1/2W	
R764	1-249-425-11	CARBON	4.7K	5%	1/4W	
R765	△.1-247-700-11	CARBON	100	5%	1/4W	F
R766	1-249-422-11	CARBON	2.7K	5%	1/4W	
R767	1-249-416-11	CARBON	820	5%	1/4W	
R768	1-249-405-11	CARBON	100	5%	1/4W	
R769	1-249-405-11	CARBON	100	5%	1/4W	
R770	△.1-247-688-11	CARBON	10	5%	1/4W	F
R771	△.1-247-711-11	CARBON	680	5%	1/4W	F
R772	△.1-247-688-11	CARBON	10	5%	1/4W	F
R773	△.1-247-688-11	CARBON	10	5%	1/4W	F
R774	△.1-247-708-11	CARBON	470	5%	1/4W	F
R775	△.1-247-688-11	CARBON	10	5%	1/4W	F
R776	1-214-789-00	RES, METAL PLATE 0.1			5W	
R777	1-214-789-00	RES, METAL PLATE 0.1			5W	
R778	1-249-419-11	CARBON	1.5K	5%	1/4W	
R779	1-249-419-11	CARBON	1.5K	5%	1/4W	
R780	1-249-431-11	CARBON	15K	5%	1/4W	
R781	1-249-431-11	CARBON	15K	5%	1/4W	
R782	1-249-482-11	CARBON	4.7	5%	1/2W	
R783	1-247-727-11	CARBON	10	5%	1/2W	
R788	1-249-433-11	CARBON	22K	5%	1/4W	
R794	1-247-903-00	CARBON	1M	5%	1/4W	
R801	△.1-247-704-11	CARBON	220	5%	1/4W	F
R802	1-249-426-11	CARBON	5.6K	5%	1/4W	
R811	1-249-417-11	CARBON	1K	5%	1/4W	
R812	1-249-437-11	CARBON	47K	5%	1/4W	
R813	1-249-429-11	CARBON	10K	5%	1/4W	
R814	1-249-433-11	CARBON	22K	5%	1/4W	
R815	1-249-425-11	CARBON	4.7K	5%	1/4W	
R816	1-249-426-11	CARBON	5.6K	5%	1/4W	
R817	1-249-429-11	CARBON	10K	5%	1/4W	
R818	1-249-426-11	CARBON	5.6K	5%	1/4W	
R819	1-249-417-11	CARBON	1K	5%	1/4W	
R820	1-249-417-11	CARBON	1K	5%	1/4W	
R821	1-249-429-11	CARBON	10K	5%	1/4W	
R822	1-249-396-11	CARBON	18	5%	1/4W	
R831	1-249-385-11	CARBON	2.2	5%	1/4W	
R832	1-249-385-11	CARBON	2.2	5%	1/4W	
R851	1-249-417-11	CARBON	1K	5%	1/4W	
R852	1-249-439-11	CARBON	68K	5%	1/4W	
R853	1-249-419-11	CARBON	1.5K	5%	1/4W	
R854	1-249-439-11	CARBON	68K	5%	1/4W	

**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.

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
R855	1-249-417-11	CARBON 1K 5% 1/4W	S335	1-554-303-21	SWITCH, KEY BOARD (VIDEO 1)
R856	1-249-431-11	CARBON 15K 5% 1/4W	S336	1-554-303-21	SWITCH, KEY BOARD (VIDEO 2/CVD)
R857	△.1-217-151-00	RES, METAL PLATE 0.22 2W	S337	1-554-303-21	(AV1010)...SWITCH, KEY BOARD (VIDEO 3)
R858	1-249-389-11	CARBON 4.7 5% 1/4W	S338	1-554-303-21	SWITCH, KEY BOARD (TAPE 1)
R859	△.1-249-393-11	CARBON 10 5% 1/4W F	S339	1-554-303-21	SWITCH, KEY BOARD (▽ SURROUND MODE)
R860	1-249-433-11	CARBON 22K 5% 1/4W	S340	1-554-303-21	SWITCH, KEY BOARD (△ SURROUND MODE)
R861	1-249-429-11	CARBON 10K 5% 1/4W	S341	1-554-303-21	SWITCH, KEY BOARD (△ EQ MODE)
R862	1-249-437-11	CARBON 47K 5% 1/4W	S342	1-554-303-21	SWITCH, KEY BOARD (▽ EQ MODE)
R901	1-202-725-00	SOLID 3.3M 10% 1/2W	S343	1-554-303-21	SWITCH, KEY BOARD (SURROUND ON/OFF)
RB301	1-233-081-11	COMPOSITION CIRCUIT BLOCK (100X7)	S344	1-554-303-21	SWITCH, KEY BOARD (DISPLAY RTA EQ)
RB302	1-233-081-11	COMPOSITION CIRCUIT BLOCK (100X7)	S345	1-554-303-21	SWITCH, KEY BOARD (EQ ON/OFF)
RB303	1-233-081-11	COMPOSITION CIRCUIT BLOCK (100X7)	S346	1-554-303-21	SWITCH, KEY BOARD (PEAK HOLD)
RB304	1-233-081-11	COMPOSITION CIRCUIT BLOCK (100X7)	S347	1-554-303-21	SWITCH, KEY BOARD (SET)
RB305	1-233-081-11	COMPOSITION CIRCUIT BLOCK (100X7)	S348	1-554-303-21	SWITCH, KEY BOARD (AUDIO)
RB306	1-232-997-11	COMPOSITION CIRCUIT BLOCK (100X7)	S349	1-554-303-21	SWITCH, KEY BOARD (WRETE)
RT701	1-238-011-11	RES, ADJ, CARBON 470	S350	1-554-303-21	(AV1010)...SWITCH, KEY BOARD (VIDEO)
RT751	1-238-011-11	RES, ADJ, CARBON 470	S351	1-554-303-21	SWITCH, KEY BOARD (MONITOR TAPE 2)
RV21	1-238-013-11	(AV910)...RES,ADJ, CARBON 2.2K	S352	1-554-303-21	SWITCH, KEY BOARD (POWER ON)
RV21	1-238-015-11	(AV1010)...RES,VAR, CARBON 4.7K	S360	1-554-303-21	SWITCH, KEY BOARD (MUTING -20dB)
RV22	1-238-017-11	RES,VAR, CARBON 22K	S361	1-554-303-21	SWITCH, KEY BOARD (DBFB)
RV24	1-238-019-11	RES,VAR, CARBON 47K	S700	1-571-854-21	SWITCH, PUSH (2 KEY)(SPEAKER A/B)
RV25	1-238-019-11	(AV1010)...RES,VAR, CARBON 47K	T21	1-404-807-11	(AV910)...TRANSFORMER, DISCRIMINATOR
RV401	1-238-115-11	RES,VAR, CARBON 250K/250K	T21	1-404-852-11	(AV1010)...COIL, DISCRIMINATOR(PRIMARY)
RV402	1-238-479-11	RES,VAR,CARBON 250K/250K/250K	T22	1-404-851-11	(AV1010)..COIL, DISCRIMINATOR(SECONDARY)
RV531	1-238-190-11	RES, VAR, CARBON 250K	T901	△.1-448-517-21	(US,Canadian)...TRANSFORMER, POWER
RY401	1-515-726-11	RELAY	T901	△.1-448-523-11	(E).....TRANSFORMER, POWER
RY701	1-515-356-00	RELAY	T902	△.1-449-739-11	(AV1010:Canadian)...TRANSFORMER, POWER
RY851	1-515-533-11	RELAY	T902	△.1-449-549-11	(AV1010:US).....TRANSFORMER, POWER
RY901	1-515-701-11	(US,Canadian)...RELAY	T902	△.1-449-550-11	(AV910:US,Canadian)..TRANSFORMER, POWER
RY901	1-515-617-11	(E).....RELAY	T902	△.1-449-803-11	(AV910:E).....TRANSFORMER, POWER
S301	1-554-303-21	SWITCH, KEY BOARD (3)	TM1	*1-536-708-00	(AV910)...TERMINAL BOARD, PUSH 4P
S302	1-554-303-21	SWITCH, KEY BOARD (2)	TM1	*1-537-225-11	(AV1010)...TERMINAL BOARD(ANT (F) TYPE)
S303	1-554-303-21	SWITCH, KEY BOARD (1)	TM701	1-536-706-00	TERMINAL BOARD (SP)
S304	1-554-303-21	SWITCH, KEY BOARD (TUNING DIRECT)	TM851	1-537-156-11	TERMINAL BOARD (SPEAKER)
S305	1-554-303-21	SWITCH, KEY BOARD (6)	TP1	*1-560-060-00	PIN, CONNECTOR 2P
S306	1-554-303-21	SWITCH, KEY BOARD (5)	XT81	1-577-126-11	VIBRATOR, CRYSTAL (7.2MHz)
S307	1-554-303-21	SWITCH, KEY BOARD (4)	VS901	1-570-046-21	(AV910:E).....SWITCH, VOLTAGE CHANGE (VOLTAGE SELECTOR)
S308	1-554-303-21	SWITCH, KEY BOARD (EQ PCM SET)	VZ901	1-807-293-11	VARISTOR (SNR-14A 140K)
S309	1-554-303-21	SWITCH, KEY BOARD (9)	VZ902	1-807-180-11	(E).....VARISTOR (SNR-14A 300K)
S310	1-554-303-21	SWITCH, KEY BOARD (8)	XT81	1-577-126-11	VIBRATAR, CRYSTAL (7.2MHz)
S311	1-554-303-21	SWITCH, KEY BOARD (7)			
S312	1-554-303-21	SWITCH, KEY BOARD (MEMORY)			
S313	1-554-303-21	SWITCH, KEY BOARD (SHIFT)			
S314	1-554-303-21	SWITCH, KEY BOARD (0)			
S315	1-554-303-21	SWITCH, KEY BOARD (TUNING)			
S316	1-554-303-21	SWITCH, KEY BOARD (INDEX)			
S317	1-554-303-21	SWITCH, KEY BOARD (EQUALIZER)			
S318	1-554-303-21	SWITCH, KEY BOARD (SURROUND)			
S319	1-554-303-21	SWITCH, KEY BOARD (▷)			
S320	1-554-303-21	SWITCH, KEY BOARD (▽)			
S321	1-554-303-21	SWITCH, KEY BOARD (△)			
S322	1-554-303-21	SWITCH, KEY BOARD (◁)			
S323	1-554-303-21	SWITCH, KEY BOARD (FM/AM)			
S324	1-554-303-21	SWITCH, KEY BOARD (FM MODE)			
S325	1-554-303-21	SWITCH, KEY BOARD (INDEX SELECT)			
S326	1-554-303-21	SWITCH, KEY BOARD (PRESET EQ ON/OFF)			
S327	1-554-303-21	SWITCH, KEY BOARD (+)			
S328	1-554-303-21	SWITCH, KEY BOARD (-)			
S329	1-554-303-21	SWITCH, KEY BOARD (+)			
S330	1-554-303-21	SWITCH, KEY BOARD (-)			
S331	1-554-303-21	SWITCH, KEY BOARD (PHONO)			
S332	1-554-303-21	SWITCH, KEY BOARD (TUNER)			
S333	1-554-303-21	SWITCH, KEY BOARD (CD)			
S334	1-554-303-21	SWITCH, KEY BOARD (DAT)			
<b>ACCESSORY &amp; PACKING MATERIAL</b>					
			1-417-141-11	(AV1010)...MATCHING TRANSFORMER, ANTENNA	
			1-465-143-11	(AV1010:US,Canadian/AV910:E)..REMOTE COMMANDER (RM-P201)	
			1-465-142-11	(AV910:US,Canadian)...REMOTE COMMANDER (RM-U100)	
			1-501-224-00	ANTENNA, FEEDER	
			1-501-374-11	ANTENNA, LOOP	
			1-565-514-11	SOCKET CONNECTOR 2P	
			*3-704-350-01	SHEET (STANDARD), PROTECTION	
			3-750-436-21	MANUAL, INSTRUCTION	
			3-750-436-31	(Canadian)...MANUAL, INSTRUCTION	
			*4-924-994-01	CUSHION (BOTTOM)	
			*4-924-995-01	CUSHION (TOP)	
			*4-931-014-01	(AV1010)...INDIVIDUAL CARTON	
			*4-931-013-01	(AV910)...INDIVIDUAL CARTON	

**Note:**

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**Note:**

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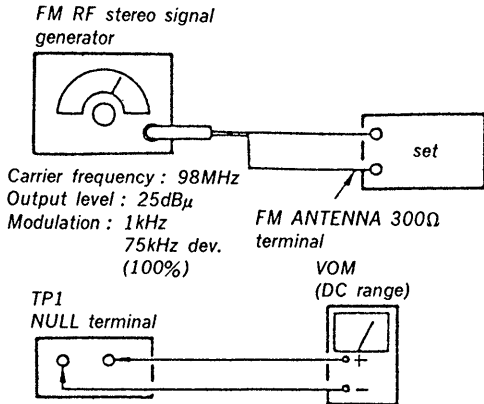
## SECTION 5 ELECTRICAL ADJUSTMENTS

### 5-1. ELECTRICAL ADJUSTMENTS

#### FM SECTION

##### • FM Discriminator (NULL) Adjustment

Setting :



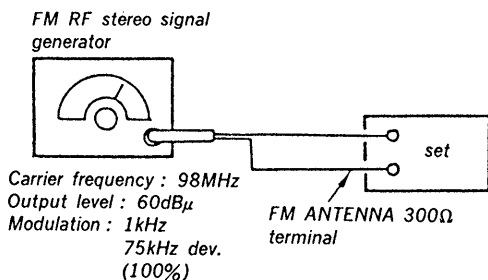
Procedure :

1. Tune the set to 98MHz.
2. Adjust T21 and T22 (AV1010 only) for 0V reading on the VOM.

Note : FM Tuning Level adjustment should be made after FM discriminator adjustment.

##### • FM Stereo Operation Level Adjustment

Setting :

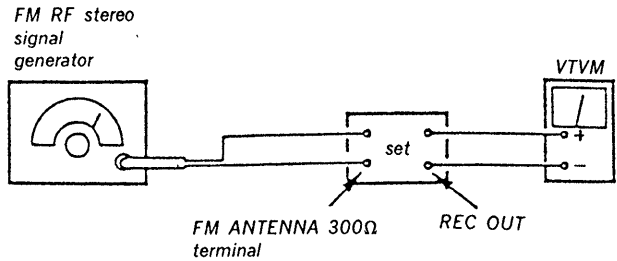


Procedure :

1. Tune the set to 98MHz.
2. Adjust RV24 so that the STEREO LED goes on.

##### • FM Stereo Separation Adjustment

Setting :



Carrier frequency : 98MHz  
Output level : 60dB $\mu$   
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.

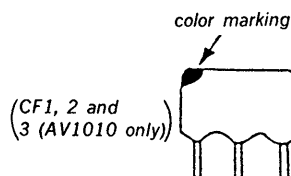
FM stereo signal generator output channel	VTVM connection	VTVM reading (dB)
L-CH	L-CH	Ⓐ
R-CH	L-CH	Ⓑ Adjust RV21 for minimum reading.
R-CH	R-CH	Ⓒ
L-CH	R-CH	Ⓓ Adjust RV21 for minimum reading.

L-CH Stereo separation : Ⓐ - Ⓑ  
R-CH Stereo separation : Ⓒ - Ⓓ

The separations of both channels should be equal.

#### Note on Ceramic Filter (CF1, 2 and 3 (AV1010 only)) Replacement.

This set employs two ceramic filters (CF1, 2 and 3 (AV1010 only)) 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.

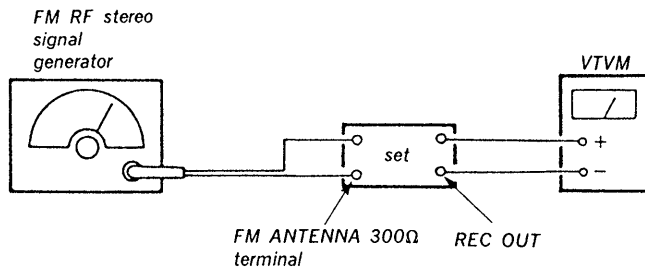


○ : short  
× : open

Ceramic filter		Connection		FM intermediate frequency (MHz)
Color mark	Center frequency (MHz)	* A (D344)	* B (D345)	
White	10.750	○	×	10.750
Red	10.700	×	×	10.700
Black	10.650	○	○	10.650

• Auto Stop Level Adjustment (AV1010 only)

Setting :

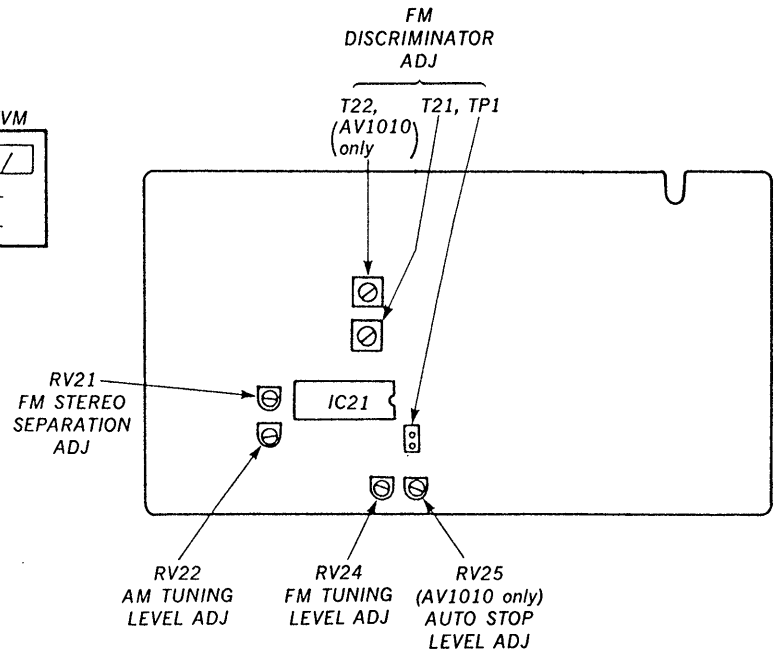


Carrier frequency : 98MHz  
Output level : 40dB $\mu$  or 45dB $\mu$

Procedure :

1. Turn the High/Low select switch to High.
2. Adjust RV25 so that the TUNED LED goes on.

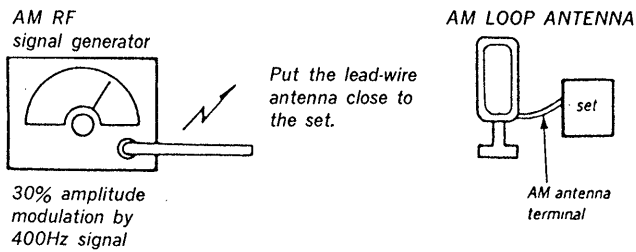
Adjustment Location : tuner board



**AM SECTION**

• AM Meter Adjustment

Setting :



Procedure :

1. Tune the set to 1,050kHz.
2. Adjust the RV22 so that the TUNED LED goes on.

AMP SECTION

DC Bias Adjustment

- Perform this adjustment after replacement of power amp or drive circuit transistors.

Setting:

VOLUME: 0  
SPEAKERS: OFF (no load)

Procedures:

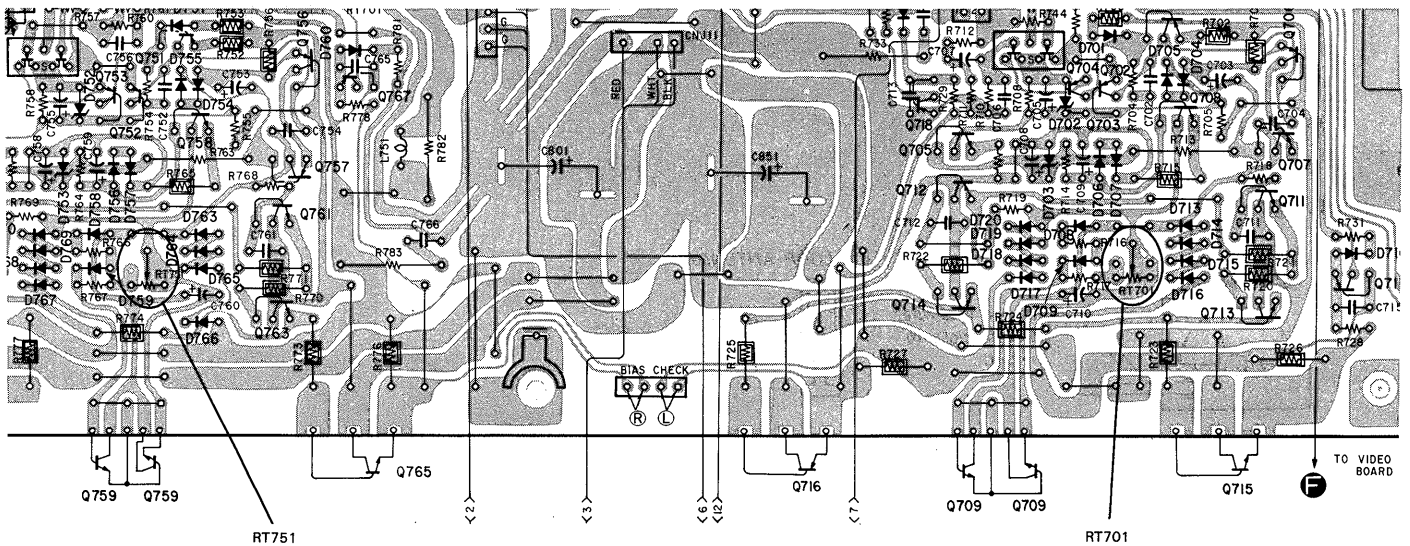
1. Connect the digital voltmeter to Bias Check Point ( L : L-CH, R : R-CH)
2. Increase the AC power voltage gradually to 120 V confirming that the voltmeter will not indicate an abnormal value.

3. Confirm that the display is normal.
4. Adjust RT701 (L-ch) or RT751 (R-ch) so that the reading on the voltmeter becomes 0.1 mV within 30 seconds after the power turned on.

**Note:** It is normal that the voltage will increase as time passes.

5. Turn the power off and remove the digital voltmeter.

[MAIN BOARD]



## 5-2. EXPLANATION OF IC404 (HD614042)

## Pin Description

Pin No.	Symbol	ACT	I/O	Pin No.	Symbol	ACT	I/O
1	—	—	—	33	GND	—	—
2	D. B. F. B	H	O	34	T-MUTE	H	O
3	SUBSONIC	H	O	35	TC9176 (LAT)	H	O
4	SURR. A	L	O	36	—	—	—
5	SURR. B	L	O	37	—	—	—
6	+5V	—	—	38	GND	—	—
7	SURR ON/OFF	H	O	39	—	—	I
8	TAPE-2 ON	L	O	40	—	—	I
9	TAPE-2 OFF	L	O	41	7/5 (EQ)	H/L	I
10	+5V	—	—	42	—	—	—
11	+5V	—	—	43	RESET	—	—
12	—	—	—	44	TEST	—	—
13	-15V	—	—	45	OSC 1	—	—
14	GND	—	—	46	OSC 2	—	—
15	GND	—	—	47	GND	—	—
16	STOP	L	I	48	I/O DATA	L	I/O
17	GND	—	—	49	I/O CLK	L	I/O
18	S-CLK	H	O	50	EQ DATA	L	O
19	S-DATA	H	O	51	EQ CLK	L	O
20	S-LAT (T. F)	H	O	52	AUTO STOP	L	I
21	DOL-LAT	H	O	53	TUN-LEVEL	H	O
22	VIDEO-A	H	O	54	REAR SP-RY	—	O
23	VIDEO-B	H	O	55	(M-VOL+)	H	O
24	VIDEO-C	H	O	56	(M-VOL-)	H	O
25	VIDEO-D	H	O	57	-20dB MUTE	H	O
26	V <sub>CC</sub>	—	—	58	FUNC MUTE	H	O
27	GND	—	—	59	T-2MUTE	H	O
28	GND	—	—	60	P MUTE	H	O
29	GND	—	—	61	SP-RY	H	O
30	S-DATA (T)	H	I	62	PROT-IN	L	I
31	GND	—	—	63	POW-RY	H	O
32	GND	—	—	64	DISP ON	H	O



