

STR-AV920/AV1020

SERVICE MANUAL

US Model
Canadian Model

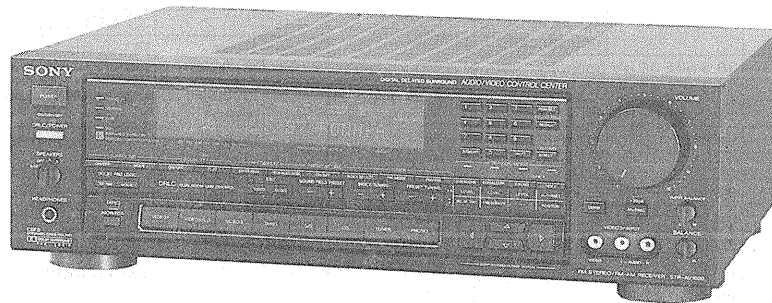


Photo : STR-AV1020

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-AV1020) or 100 watts (STR-AV920) per channel minimum RMS power, with no more than 0.008% total harmonic distortion from 250 milliwatts to rated output.

Other Specifications

Amplifier section

		STR-AV1020	STR-AV920
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%
Power output of surround/DRLC amplifier (8 ohms, at 1 kHz)		10 + 10 watts	

Amplifier section

		STR-AV1020	STR-AV920
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 μ V	
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	150mV 50 kilohms	
S/N	PHONO MM	87 dB 79 dB** (A, 2.5mV)	
	DAT, CD VIDEO 1,2,3* TAPE 1,3	105 dB 85 dB** (A, 150mV)	
Output sensitivity/impedance	DAT OUT TAPE OUT 1,2 VIDEO 1	150mV 10 kilohms	
	SPEAKERS	Accepts speakers of 4 – 16 ohms	
	HEADPHONES	Accepts headphones of high and low impedance	
CENTER OUT*		6 V, 1 kilohm	
MUTING		– 20dB	
DBFB		+ 10 dB (70 Hz)	
Graphic Equalizer		7-band ± 10 dB at 63 Hz, 160 Hz, 400 Hz, 1 kHz, 2.5 kHz, 6.3 kHz, and 16 kHz	

* STR-AV1020 only
** 78IHF

– Continued on page 2 –

FM STEREO / FM-AM RECEIVER
SONY



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

Video section

	STR-AV1020	STR-AV920
Inputs	VIDEO 1,2,3: 1 Vp-p 75 ohms	VIDEO 1,2: 1 Vp-p 75 ohms
Outputs	VIDEO 1, MONITOR: 1 Vp-p 75 ohms	

FM tuner section

		STR-AV1020	STR-AV920
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 μ V (mono) 38.3 dBf, 45 μ V (stereo)	
Usable sensitivity		11.2 dBf, 2 μ V (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 -1.5 dB	30 Hz – 15 kHz ± 0 -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 tuner section

	STR-AV1020	STR-AV920
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-AV1020	STR-AV920
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	USA model: 210 watts
	Canada model:	520 VA	Canada model: 450 VA
AC outlets	Two switched, total 100 watts		
Dimensions	430 × 135 × 350 mm (w/h/d) (17 × 5 ³ / ₈ × 14 ¹ / ₈ inches)		
Weight	10.3 kg (22 lb 11 oz)	10.2 kg (22 lb 8 oz)	

Supplied accessories FM ribbon antenna (1)
AM loop antenna (1)
Remote commander (1)
RM-U201 (STR-AV902)
RM-P301 (STR-AV1020)
External antenna connector (1)
(STR-AV1020 only)
Sony Batteries SUM-3(NS) (2)

Design and specifications subject to change without notice.

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OUTLINE

The STR-AV1020/AV920 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.

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-AV1020 can learn various functions of other remote commanders of the infrared type.

Display

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

Electronic graphic equalizer

- You can enjoy audio program sources with an appropriate equalization curve.

Surround sound system

This unit incorporates all of 3 types of surround effect.

- **DOLBY SURROUND** * (STR-AV920 only) – expands sound just like listening to it in a movie theater.
- **DOLBY PRO LOGIC** (STR-AV1020 only): STR-AV1020 incorporates the Dolby Pro Logic Surround Decoder which has the same functions for playback, as movie theaters and gives a theater-like experience in your listening room, naturally reproducing the audio sound field.
- **Hall Surround**-provides reverberation effect that is produced in a large concert hall.
- **Simulated Surround**-gives the feeling of width and thickness to monaural sound of old movie program, etc.

Sound field

- The sound field function has 10 combinations of surround effect, equalizer curve, and DBFB (Dynamic Bass Feed Back). With an appropriate sound field setting, you can enjoy audio program sources as your preference.
- Combined use of the sound field function and the preset station index system allows you to enjoy broadcast listening immediately with the memorized sound field setting.

Dual room link control (DRLC)

- The DRLC function allows you to link a second room to your main or primary listening room. You can enjoy listening to either the same program source being played in the main room or a different program source in the second room.

SAFETY CHECK-OUT (US Model)

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

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

LEAKAGE TEST

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

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.

3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

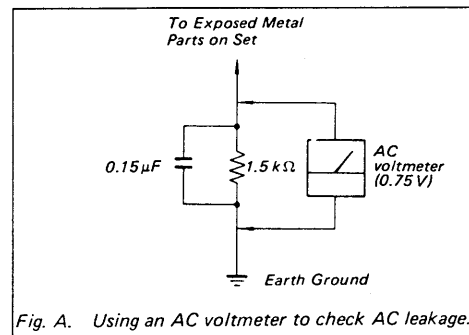





Fig. A. Using an AC voltmeter to check AC leakage.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK  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.

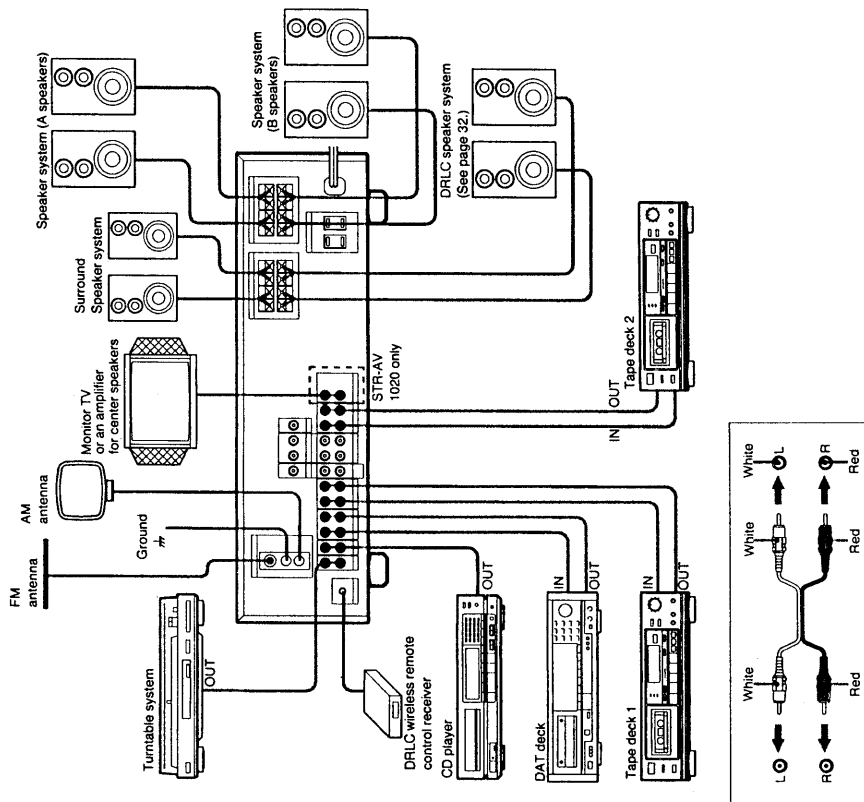
SECTION 1
GENERAL

1-1. CONNECTIONS

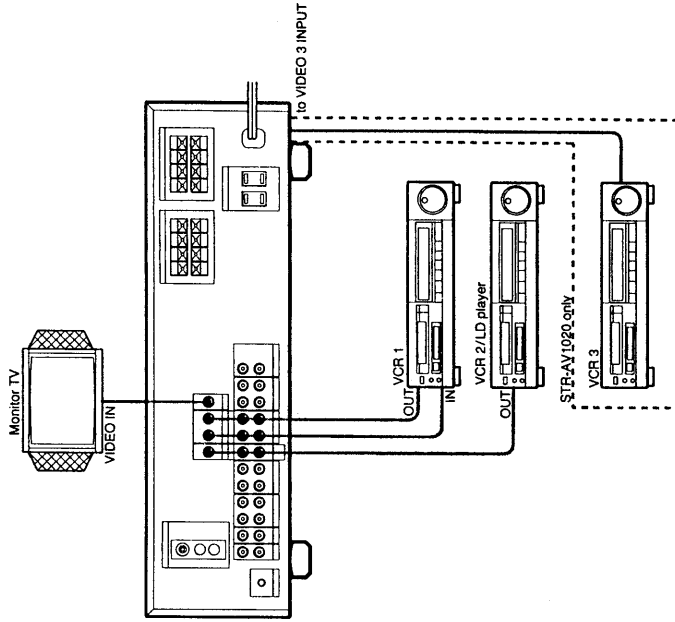
Notes on Connection

- Do not connect the power cord to an AC outlet nor press the POWER switch before accomplishing all other connections.
- The cable connectors should be fully inserted into the jacks. Loose connection may cause hum and noise.
- Jacks and plugs of the connecting cord are color-coded as follows:
 - Red jacks and plugs: for the right channel of audio signals
 - White jacks and plugs: for the left channel of audio signals
 - Yellow jacks and plugs: for video signals

Connecting Audio Equipment



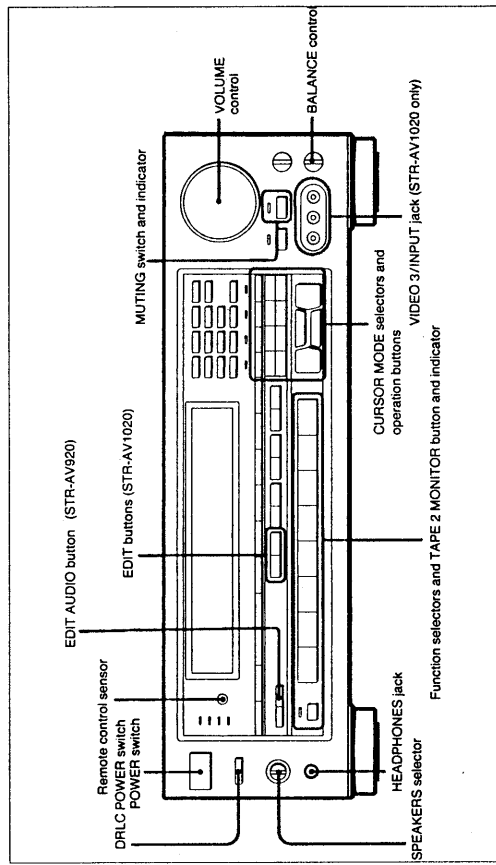
Connecting Video Equipment



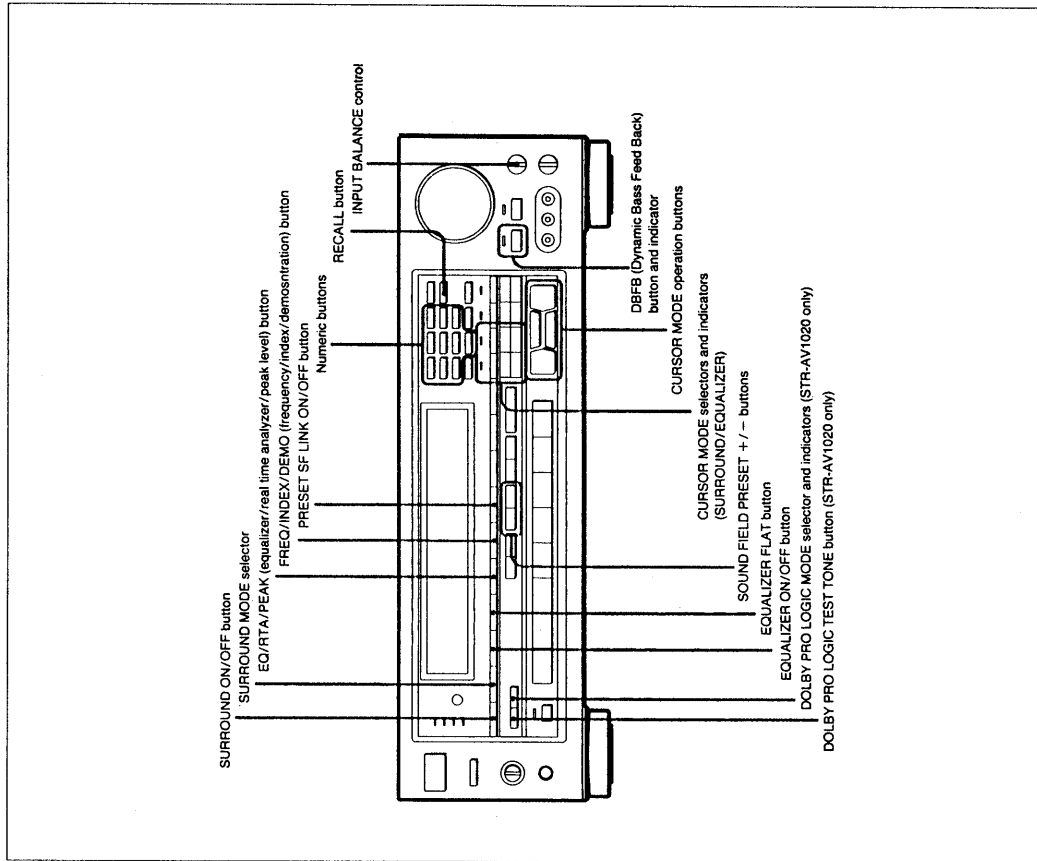
1-2. PARTS IDENTIFICATION

Front Panel

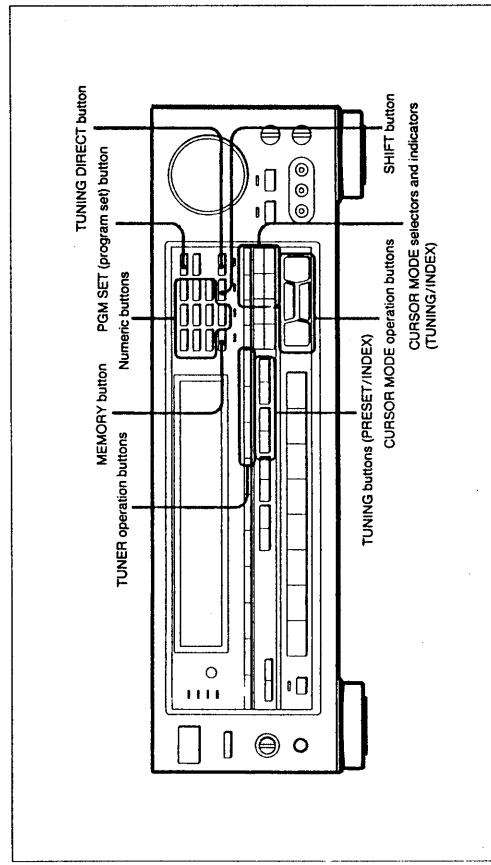
Amplifier and general section



Sound field control section

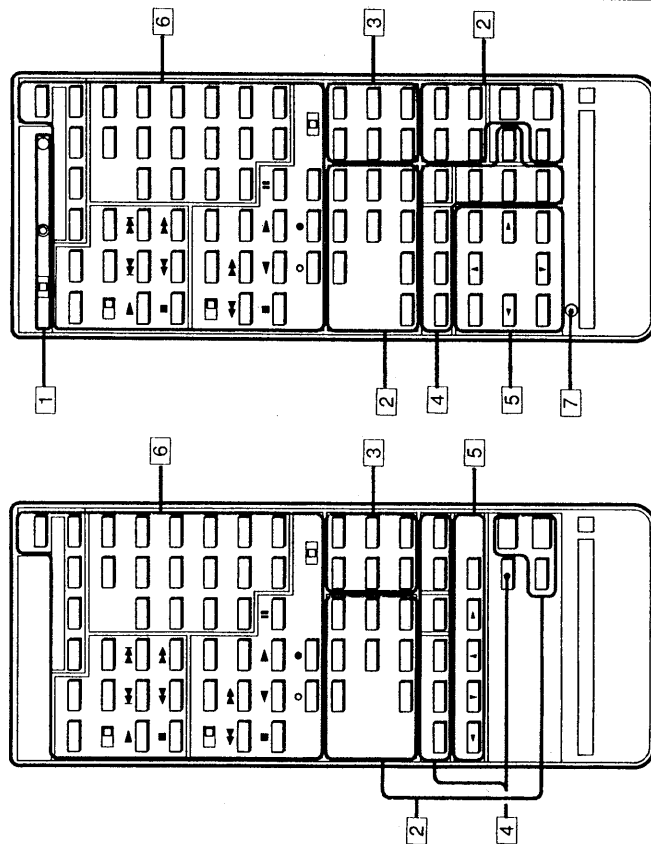


Tuner section



Parts Identification

Remote Commander



RM-U201
(supplied with the STR-AV920)

RM-P301
(supplied with the STR-AV1020)

1 Program control section (RM-P301 only)

Mode selector and indicator (page 34)
 SONY STD (standard): To control Sony equipment
 USER STD (standard): To control equipment whose
 remote control functions are stored.
 LEARN: To store functions of other remote
 commanders emitting infrared rays.
 PROGRAM CLEAR button: Clears the stored functions.

2 Amplifier section

FUNCTION selectors: Select an input source of the
 receiver. (The VIDEO 3 button does not operate on
 the STR-AV920).
 DIGITAL button (RM-P301 only): This button does not
 operate.
 REAR LEVEL +/- buttons (RM-P301 only): Control
 the volume of rear speakers (surround level).
 MUTING button: Mutes the sound.
 MASTER VOL +/- buttons: Control the receiver
 volume.
 CENTER LEVEL +/- buttons (RM-P301 only): These
 buttons do not operate.

3 Tuner section

INDEX SELECT and INDEX +/- buttons: Select an
 indexed preset station.
 TUNER SHIFT and PRESET +/- buttons: Select a
 preset station.

4 Sound control section

SURROUND buttons
 ON/OFF: Turns on/off the surround mode.
 MODE: Selects the surround mode.
 T. (test) TONE: Generates a pink noise signal that is
 sent in succession to each speaker. (This button
 does not operate on the STR-AV920).
 EQUALIZER ON/OFF button: Turns on/off the
 equalizer.
 S.(sound) FIELD buttons
 MODE: Selects sound field mode.
 LINK: Links sound field to preset station.
 USER/PRESET button (RM-P301 only): This button
 does not operate.
 DBFB button (RM-U201 only): Turns on/off the
 DBFB (Dynamic Bass Feed Back).
 DDS/DBFB button (RM-P301 only): Turns on/off the
 DBFB (Dynamic Bass Feed Back). (DDS function is
 not available with this receiver.)

5 Cursor control section

CURSOR CONTROL buttons
 MODE button: Selects cursor mode.
 MAIN, SUB, and EQ buttons (RM-P301 only): These
 buttons do not operate.

6 Control for other equipment

Power control block
 SYSTEM OFF button: Turns off the power of the
 whole system: LDP, VTR, TV, and AUDIO.
 LDP/VTR/TV/AUDIO POWER buttons: Control the
 power of each unit. (The VTR button can be
 operative only when TAPE/VTR selector is set to
 VTR.)

CDP/LDP control block

GDP/LDP selector: Selects CD player or LD player to
 be played. The combined CD/LD player can be
 controlled with this selector set to LDP.
 CONTINUE: Continuous play (only for CD player)
 SHUFFLE: Shuffle play (only for CD player)
 PGM (program): Program play (only for CD player)
 D (disc) SKIP: Disc skip for a CD player equipped
 with a multi-disc changer)
 ▶: Starts play.
 ◀◀/▶▶: Locates a desired selection.
 ■: Stops play.
 ◀◀/▶▶: Manual search (only for LD player)

Tape deck/VCR control block

TAPE/VTR selector: Selects TAPE (tape deck) or
 VTR (VCR) to be controlled.
 ANT (antenna) TV/VTR button: Selects the output
 signal from the antenna terminal on the VCR,
 either a TV signal or VCR programs.
 CH (channel) +/- buttons: Select channel on the
 VCR.
 ◀◀/▶▶: fast winding
 ■: Stop
 ◀/▶: Play
 ||: Pause
 ○ (RM-U201 only): Record muting
 ● (RM-U201 only): Recording (While pressing ●,
 press ▶ or ◀)
 REV/REC/FWD (recording) buttons (RM-P301 only):
 For reverse recording, press REV and REC
 together.
 For forward recording, press FWD and REC
 together.
 DECK/VTR selector
 DECK A,B, and DAT: Selects A,B, or DAT deck.
 VTR 1,2, and 3: Selects VCR type.
 1: Betamax VCRs
 2: 8 mm VCRs
 3: VHS VCRs

TV control block

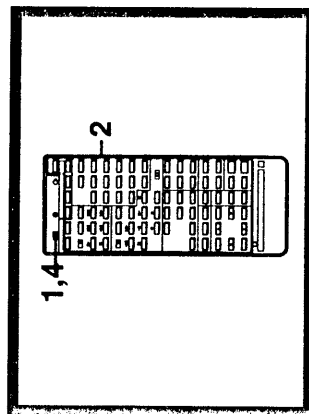
TV/VIDEO selector: Selects the program to see: TV
 or VIDEO.
 VOL (volume) +/- buttons: Control the TV volume.
 CH (channel) +/- buttons: Select a preset TV
 channel.
 Program number (1 to 0) and ENTER buttons: Select
 the TV channel.

7 RESET button (RM-P301 only)

Reset the commander to the initial state.

1-3. HOW TO USE THE LEARNING FUNCTION (STR-AV1020 ONLY)

Programming Signals of Other Audio/Video Equipment with Programmable System Commander RM-P301



The RM-P301 learns various functions of other remote commanders emitting infrared rays and allows you to control most of audio and video equipment from a distance.

- 1 Set the mode selector to LEARN.
- 2 Program a signal.
 - ① Press and hold the button which shall "learn" the remote-control signal until the LEARN indicator lights up.
 - ② Press and hold the button of other manufacturer's remote commander, whose signal is to be learned.
 - ③ Remove your finger(s) from the button(s) after the LEARN indicator goes off.

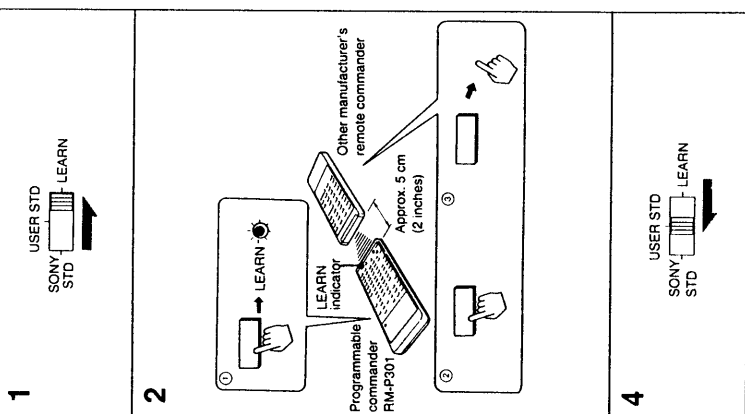
The two remote commanders must:

- face straight each other.
- be placed at a distance of approx. 5 cm (2 inches).
- not be moved during programming operation.

- 3 Repeat operation for each button to be programmed.
- 4 Set the mode selector to USER STD or SONY STD.

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

Number of signals that the commander can learn
It depends on the format of the signal. If you program signals of Sony equipment, approximately 50 - 60 signals can be programmed.



If the LEARN indicator flashes or does not go out in step 2-②, 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 manufacturers 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 does 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

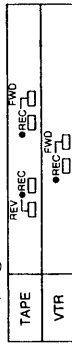
- 1 Set the mode selector to LEARN.
- 2 Press and hold any button of the programmable area until the LEARN indicator lights up.
- 3 Press PROGRAM CLEAR until the LEARN indicator flashes and goes off.

Note

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

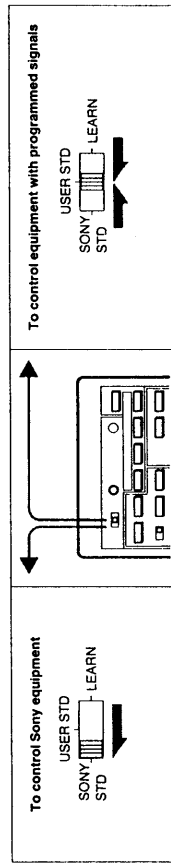
To program a signal onto the ● REC button in the TAPE or VTR section

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.

Notes on Battery

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. We recommend the use of alkaline batteries for prolonged use.

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

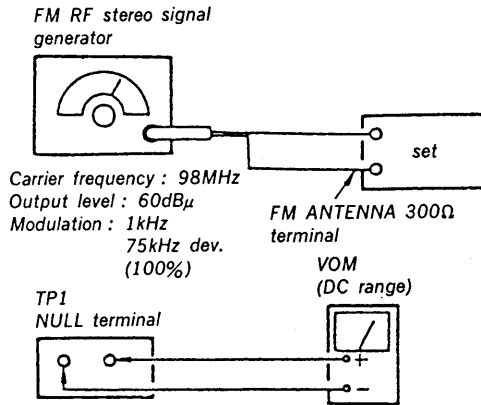
Press RESET.
The programmed contents of the buttons are not cleared by pressing RESET.

SECTION 2 ELECTRICAL ADJUSTMENTS

FM SECTION

• FM Discriminator (NULL) Adjustment

Setting :



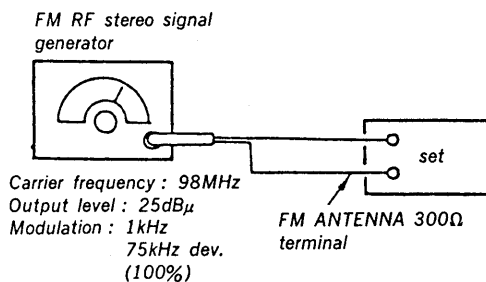
Procedure :

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 :

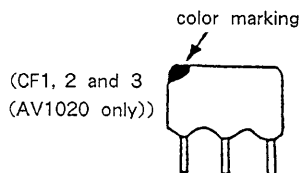


Procedure :

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

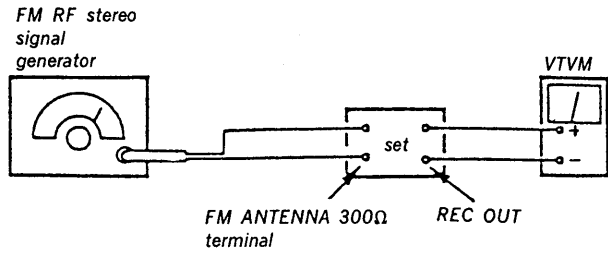
Note on Ceramic Filter (CF1, 2 and 3 (AV1020 only)) Replacement.

This set employs two ceramic filters (CF1, 2 and 3 (AV1020 only)) which should have the same color marking to identify their center frequency. Therefore FM IF offset adjustment by D234, D235 mounted is necessary to match the center frequency of the ceramic filters used with FM intermediate frequency.



• FM Stereo Separation Adjustment

Setting :



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

Procedure :

Tune the set to 98MHz.

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

L-CH Stereo separation : Ⓐ - Ⓑ

R-CH Stereo separation : Ⓒ - Ⓓ

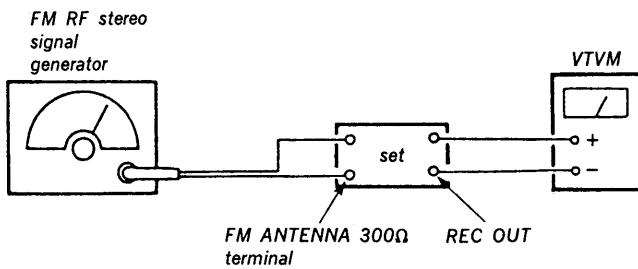
The separations of both channels should be equal.

○ : Mounted
× : not Mounted

Ceramic filter		Mount		FM intermediate frequency (MHz)
Color mark	Center frequency (MHz)	IF+50k (D234)	IF-50k (D235)	
White	10,750	○	×	10,750
Red	10,700	○	○	10,700
Black	10,650	×	○	10,650

• Auto Stop Level Adjustment

Setting :



Carrier frequency : 98MHz

Output level : 40dB μ or 45dB μ

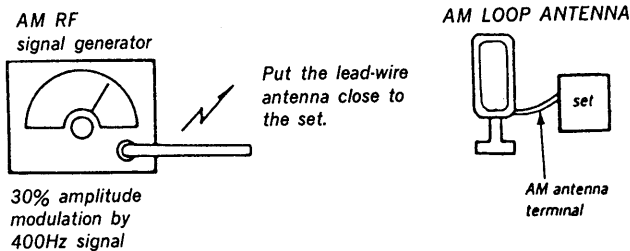
Procedure :

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

AM SECTION

• AM Meter Adjustment

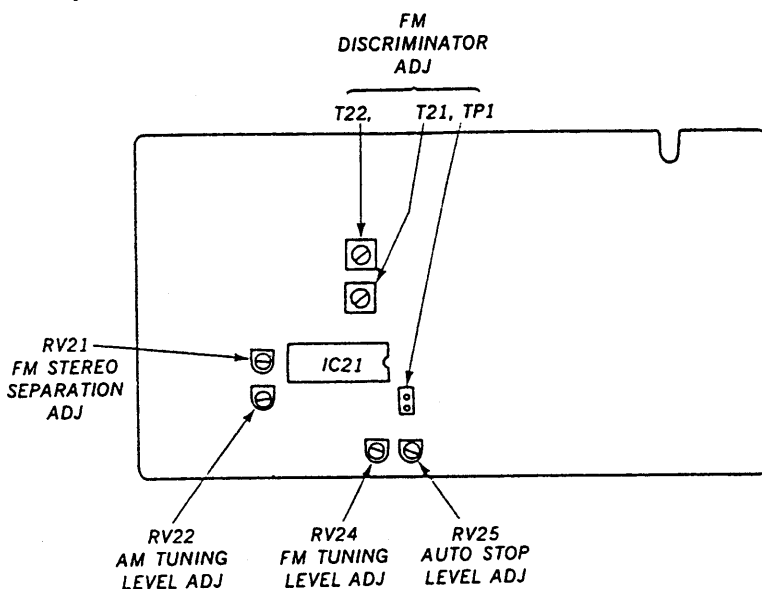
Setting :



Procedure :

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

Adjustment Location : tuner board



AMP SECTION

DC Bias Adjustment

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

Setting :

VOLUME : 0

SPEAKERS : OFF (no load)

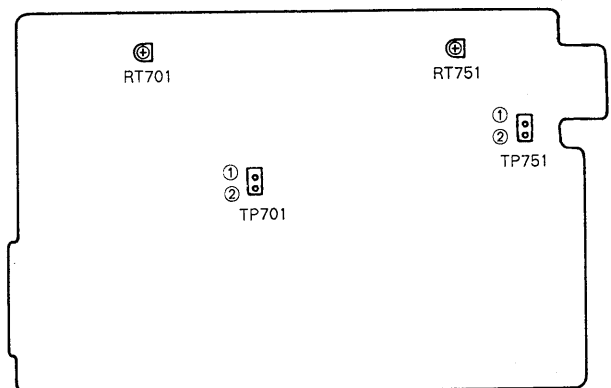
Procedures :

1. Connect the digital voltmeter to Bias Test Point (TP-701 ①, ② L-CH, TP-751 ①, ② R-CH).
2. Increase the AC power voltage gradually to 120V 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 4mV 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.

Adjustment Location : main board



EXPLANATION OF IC502 (μ PD75516)

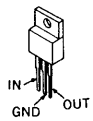
P No.	SIGNAL NAME	FUNCTION	I/O	ACT	
1.	ANo	POWER IN	MAIN/LINK POWER	I	-
2.	AVREF	A/D Vref	A/D REFERENCE	-	-
3.	VDD	VDD	POWER SUPPLY	-	-
4.	VDD	VDD	POWER SUPPLY	-	-
5.	P113	T. LEVEL	TUNING LEVEL SELECT	O	H
6.	P112	T. MUTE	TUNER MUTING	O	H
7.	P111	ES. DATA	EQ SERIAL DATA	O	L
8.	P110	ES. CLOCK	EQ SERIAL CLOCK	O	L
9.	P103	DBFB	DBFB ON/OFF	O	L
10.	P102	K/O-C	KEY OUT CONTROL A2	O	H
11.	P101	K/O-B	KEY OUT CONTROL A1	O	H
12.	P100	K/O-A	KEY OUT CONTROL A0	O	H
13.	P93	TAPE2	TAPE2 MONITOR ON/OFF	O	H
14.	P92	K/I-C	KEY IN CONTROL A2	O	H
15.	P91	K/I-B	KEY IN CONTROL A1	O	H
16.	P90	K/I-A	KEY IN CONTROL A0	O	H
17.	P83	N. C		I	-
18.	P82	FLS. DATA	FL DRIVER SERIAL DATA	O	H
19.	P81	FLS. CLOCK	FL DRIVER SERIAL CLOCK	O	H
20.	P80	KEY-IN	KEY INPUT	I	H
21.	P73	VOL -	VOLUME DOWN	O	H
22.	P72	VOL +	VOLUME UP	O	H
23.	P71	FL. LS	FL DRIVER LATCH	O	H
24.	P70	FL. CL	FL DRIVER CLEAR	O	L
25.	P63	L. CE	LED DRIVER LATCH	O	H
26.	P62	L. CL	LED DRIVER CLEAR	O	L
27.	P61	IF-DIN	IF COUNT DATA INPUT	I	H
28.	P60	T-A, S	TUNER AUTO STOP	I	L
29.	P53	SAME	SAME ON/OFF	O	H
30.	P52	SUB/SURR	REAR AMP SELECT	O	H
31.	P51	SUB. MUTE	SUB SIGNAL MUTING	O	L
32.	P50	F. MUTE	FUNCTION MUTING	O	L
33.	GND		GND	-	-
34.	P43	-20dB MUTE	-20dB MUTING	O	L
35.	P42	P. MUTE	PROTECTOR MUTING	O	L
36.	P41	SUB. RY	POWER RELAY	O	H
37.	P40	SURR. RY	SPEAKER RELAY	O	H
38.	P33	P. RY	SUB OUT RELAY	O	H
39.	P32	S. RY	SURROUND OUT RELAY	O	H
40.	P31	S. CLOCK	SERIAL CLOCK	O	H
41.	P30	S. DATA	SERIAL DATA	O	H
42.	P23	S. CE	SERIAL LATCH	O	H
43.	P22	D. CE	DIGITAL DELAY LATCH	O	H
44.	P21	VIDEO A	VIDEO CONTROL A	O	H
45.	P20	VIDEO B	VIDEO CONTROL B	O	H
46.	P13	STEREO IN	TUNER STEREO SIGNAL INPUT	I	L
47.	P12	PROTE IN	PROTECTOR INPUT	I	L
48.	P11	RM-2	REMOCON SUB INPUT	I	L
49.	P10	RM-1	REMOCON MAIN INPUT	I	L
50.	P03	A. CE	AUTOMATIC GAUGE LATCH	I	L

P No.	SIGNAL NAME	FUNCTION	I/O	ACT
51.	P02	N. C	I	-
52.	P01	N. C	I	-
53.	P00	STOP	POWER OFF DET	I L
54.	GND		GND	- -
55.	XT-1			- -
56.	XT-2			- -
57.	IC			- -
58.	X-1	OSC	4.19MHz CERAMIC	- -
59.	X-2	OSC	4.19MHz CERAMIC	- -
60.	RESET	RES	POWER ON RESET	I L
61.	P143	PRO 1	PROLOGIC MODE SELECT	O H
62.	P142	PRO 2	PROLOGIC MODE SELECT	O H
63.	P141	PRO 3	PROLOGIC MODE SELECT	O H
64.	P140	PRO 4	PROLOGIC MODE SELECT	O H
65.	P133	VIDEO C	VIDEO CONTROL C	O H
66.	P132	TEST. TONE	TEST TONE ON/OFF	O H
67.	P131	TEST B	TEST TONE SELECT	O H
68.	P130	TEST A	TEST TONE SELECT	O H
69.	P123	S. CONT	RM-2 CONTROL	O H
70.	P122	SURR-C	SURR MODE SELECT	O H
71.	P121	SURR-B	SURR MODE SELECT	O H
72.	P120	SURR-A	SURR MODE SELECT	O H
73.	AVss		ANALOG GND	- -
74.	AN7	A/D I ch7	SPEANA INPUT Δ 16K	I -
75.	AN6	A/D I ch6	SPEANA INPUT Δ 6.3K	I -
76.	AN5	A/D I ch5	SPEANA INPUT Δ 2.5K	I -
77.	AN4	A/D I ch4	SPEANA INPUT 1K	I -
78.	AN3	A/D I ch3	SPEANA INPUT Δ 400	I -
79.	AN2	A/D I ch2	SPEANA INPUT Δ 160	I -
80.	AN1	A/D I ch1	SPEANA INPUT Δ 63	I -

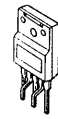
SECTION 3 DIAGRAMS

3-1. SEMICONDUCTOR LEAD LAYOUTS

M5F78M05
M5F78M12



SI-18751



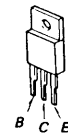
2SA1175-HFE
2SC2785



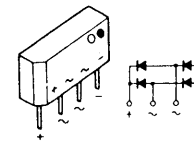
DTA114ES
DTA124ES
DTC114ES
DTC124ES
DTC143TS
2SC2603-EF
2SC2669



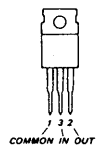
2SD2012



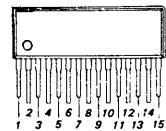
S1VB40



M5F79M12



STK-3102-MK3
STK-3122-3



2SA1215-OY
2SC2921-OPY



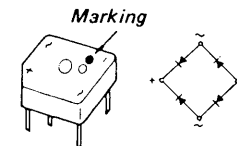
2SC1841-PAFAEA



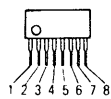
2SK246GR
2SK246Y



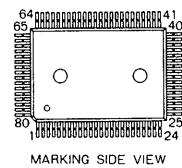
S4VB60



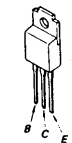
M5218AL
M5218AP



μ PD75516GF-141-3139



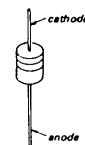
2SA1684-LK
2SC4431-LK



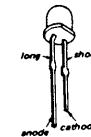
2SC3623A-LK



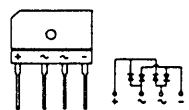
1SS120
11ES2
HZS6C3L
HZS30-3L
UZP-3.6B



SEL2510C



RBV-602



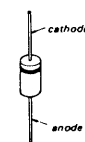
2SA988-F



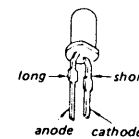
2SD774-34



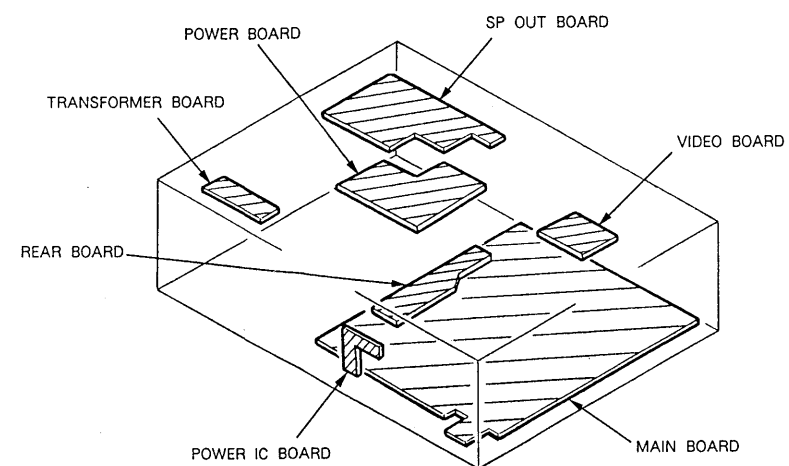
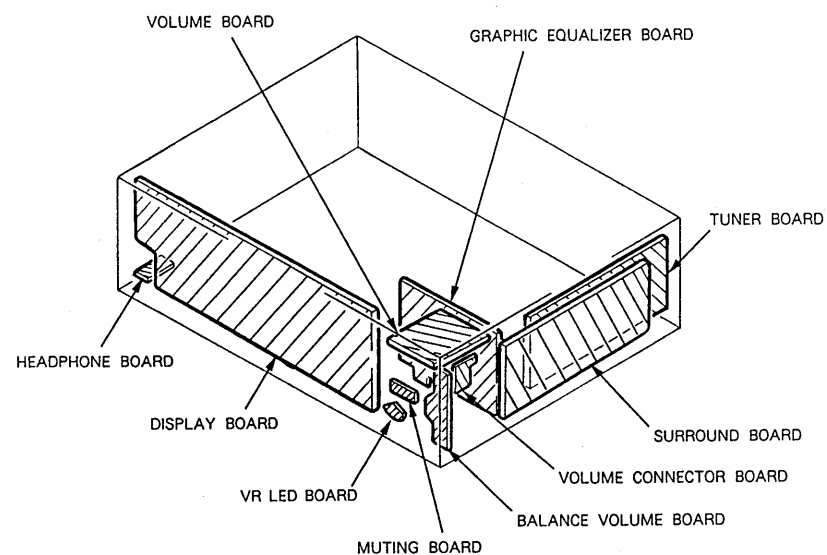
HZ4ALL



SEL2810A-C



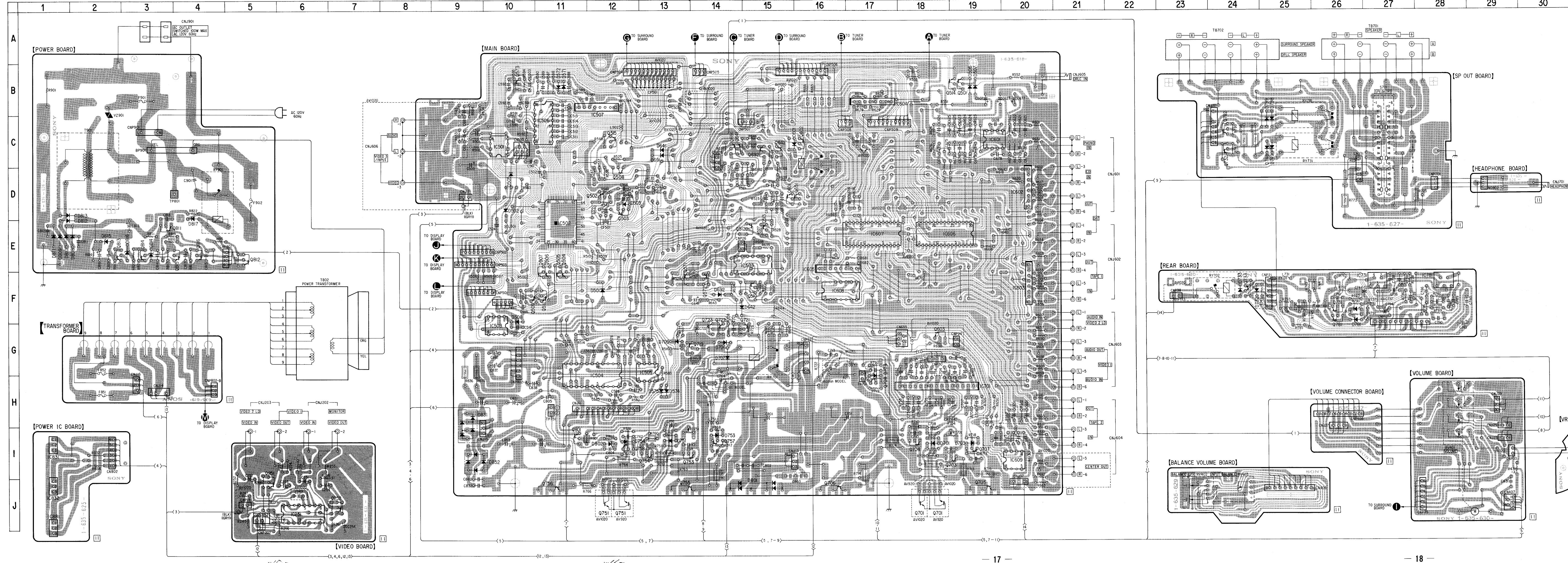
3-2. CIRCUIT BOARDS LOCATION

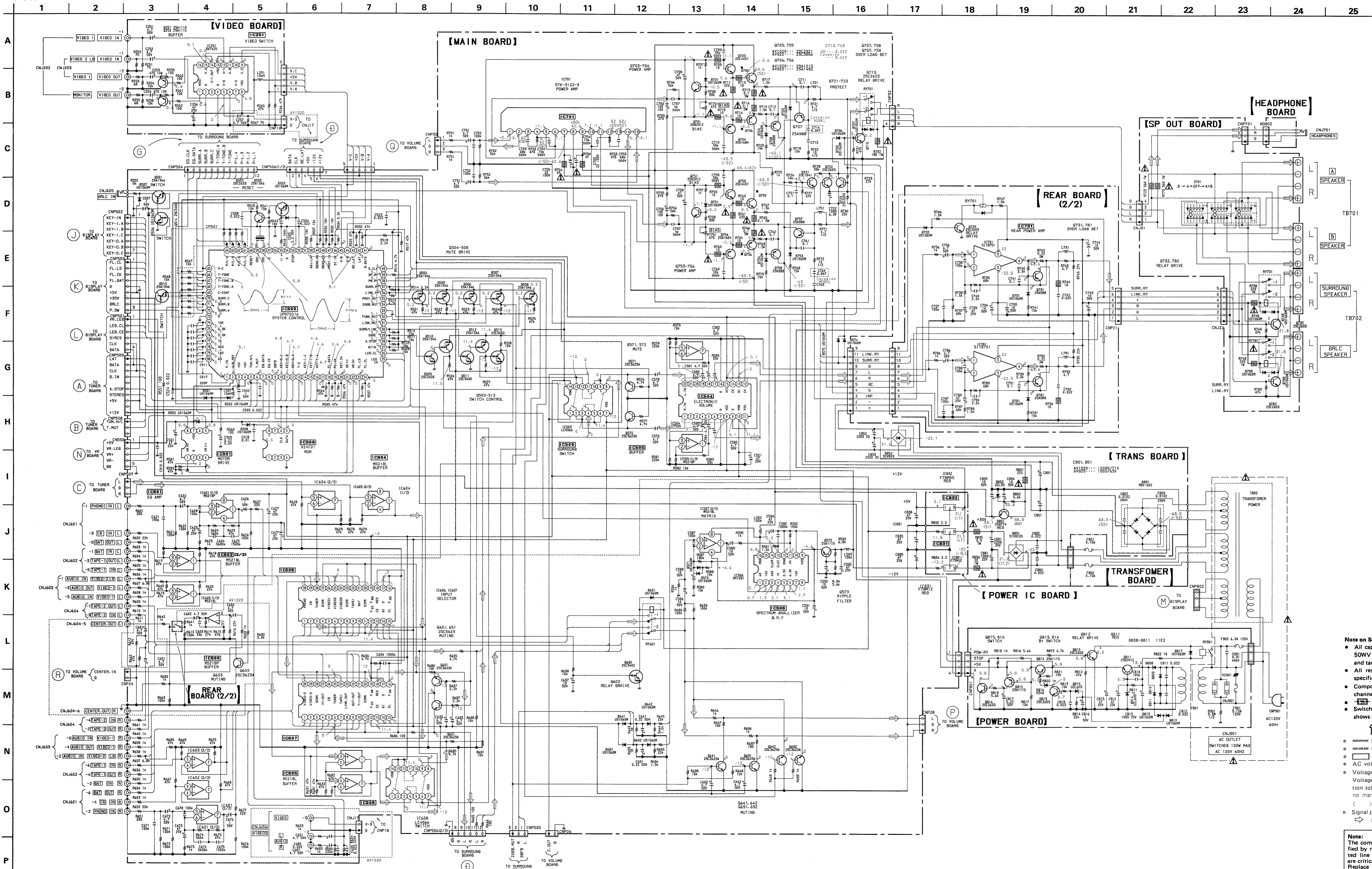


• SEMICONDUCTOR LOCATION

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
IC251	J-6	Q601	D-15	D507	B-19
IC501	C-10	Q602	C-16	D508	F-10
IC502	E-11	Q603	G-18	D571	A-11
IC503	E-15	Q641	C-14	D572	A-11
IC504	H-12	Q642	C-15	D574	H-13
IC505	G-13	Q651	D-16	D575	H-13
IC506	C-11	Q691	C-14	D601	C-15
IC507	B-12	Q692	C-15	D641	C-13
IC508	G-10	Q701	J-18	D642	F-14
IC601	C-19	Q703	I-19	D691	C-13
IC602	D-20	Q704	I-18	D692	F-14
IC603	F-20	Q705	J-19	D701	I-18
IC604	B-17	Q706	J-16	D703	I-19
IC605	E-16	Q707	I-19	D704	H-17
IC606	E-18	Q708	H-17	D705	G-13
IC607	E-17	Q719	G-14	D706	G-14
IC608	F-16	Q721	G-15	D707	G-14
IC609	I-20	Q722	G-14	D731	F-26
IC701	H-19	Q723	G-14	D732	F-24
IC731	F-27	Q731	F-26	D733	F-24
IC781	F-28	Q732	C-24	D748	C-25
IC831	I-1	Q733	F-24	D749	C-25
IC832	J-1	Q751	I-12	D751	I-13
IC881	J-1	Q753	I-13	D753	I-14
		Q754	I-13	D754	I-12
Q251	J-5	Q755	J-13	D781	F-26
Q252	J-7	Q756	J-11	D798	C-25
Q501	B-19	Q757	I-14	D799	C-25
Q502	D-12	Q758	I-12	D801	J-15
Q503	D-12	Q781	F-26	D802	I-12
Q504	E-11	Q782	C-24	D808	E-2
Q505	E-11	Q801	I-11	D809	E-1
Q506	E-11	Q811	E-3	D810	E-1
Q507	E-11	Q812	E-5	D811	E-1
Q508	D-12	Q813	E-2	D812	E-1
Q509	F-10	Q814	E-3	D813	D-1
Q510	F-15	Q815	E-4	D814	E-3
Q511	F-11	Q816	E-4	D815	E-2
Q512	E-15			D816	E-3
Q513	E-15			D817	E-4
Q514	B-19	D401	I-31	D831	H-9
Q515	C-12	D502	D-10	D852	I-9
Q571	F-13	D503	D-12		
Q572	F-14	D505	D-10		
Q573	B-10	D506	B-19		

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





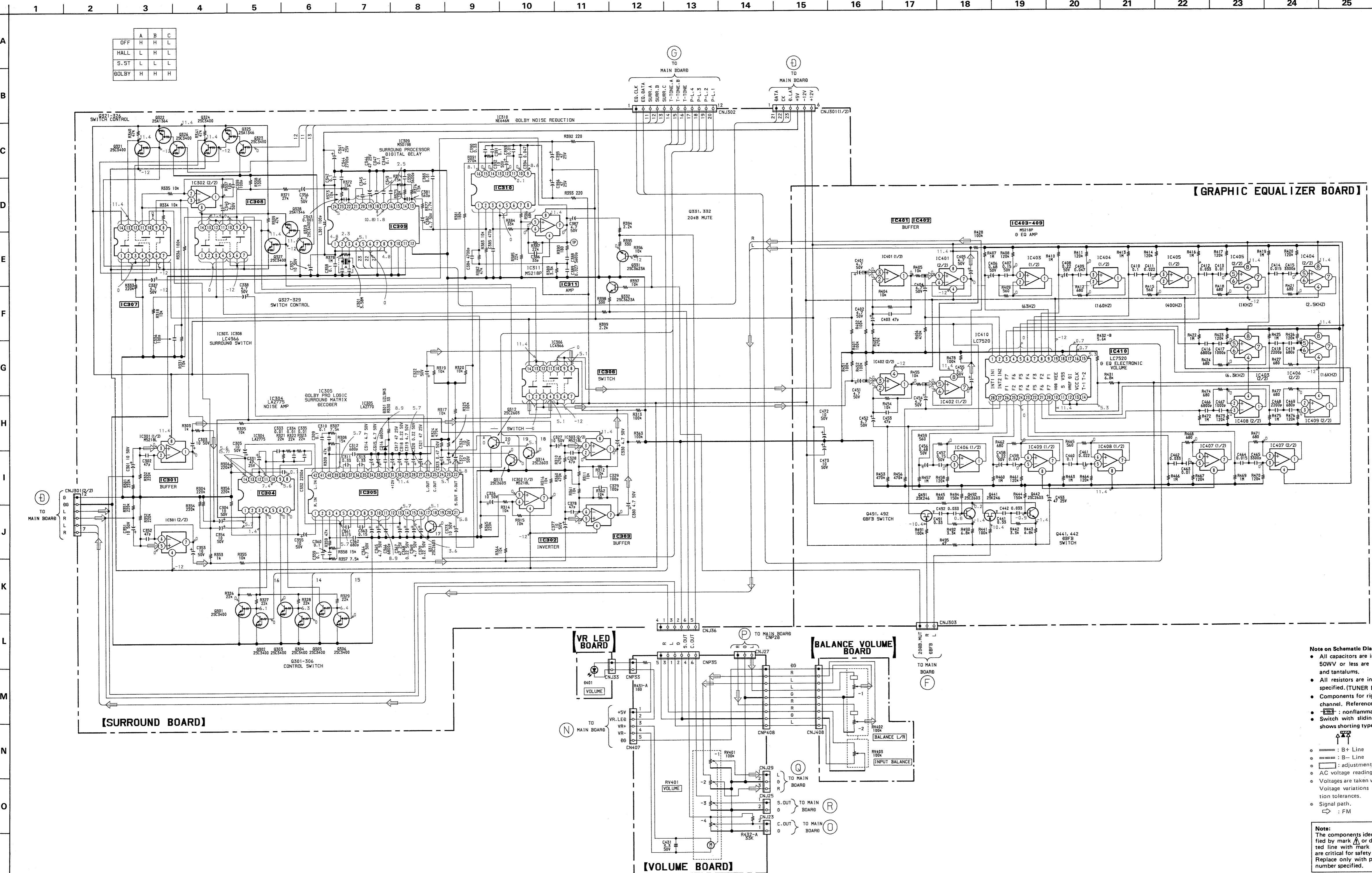
Note on Schematic Diagram:

- All capacitors are in μF unless otherwise noted. μF : μmF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified. (TUNER BOARD $\frac{1}{2}\text{W}$)
- Components for right channel have same values as for left channel. Reference numbers are coded from
- \square : nonflammable resistor.
- Switch with sliding contact indicated by hatched lines shows shorting type.

○ : B+ Line
 ◌ : B- Line
 □ : adjustment for repair.
 ○ : AC voltage readings in the bias oscillator with a VTVM.
 ○ : Voltages are taken with a VOM (Input Impedance 10M Ω).
 Voltage variations may be noted due to normal production tolerances.
 no mark : AV1020
 < : AV920
 ○ : Signal path.
 ⇨ : FM

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

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



OFF	A	B	C
HALL	L	H	L
S. ST	L	L	L
DOLBY	H	H	H

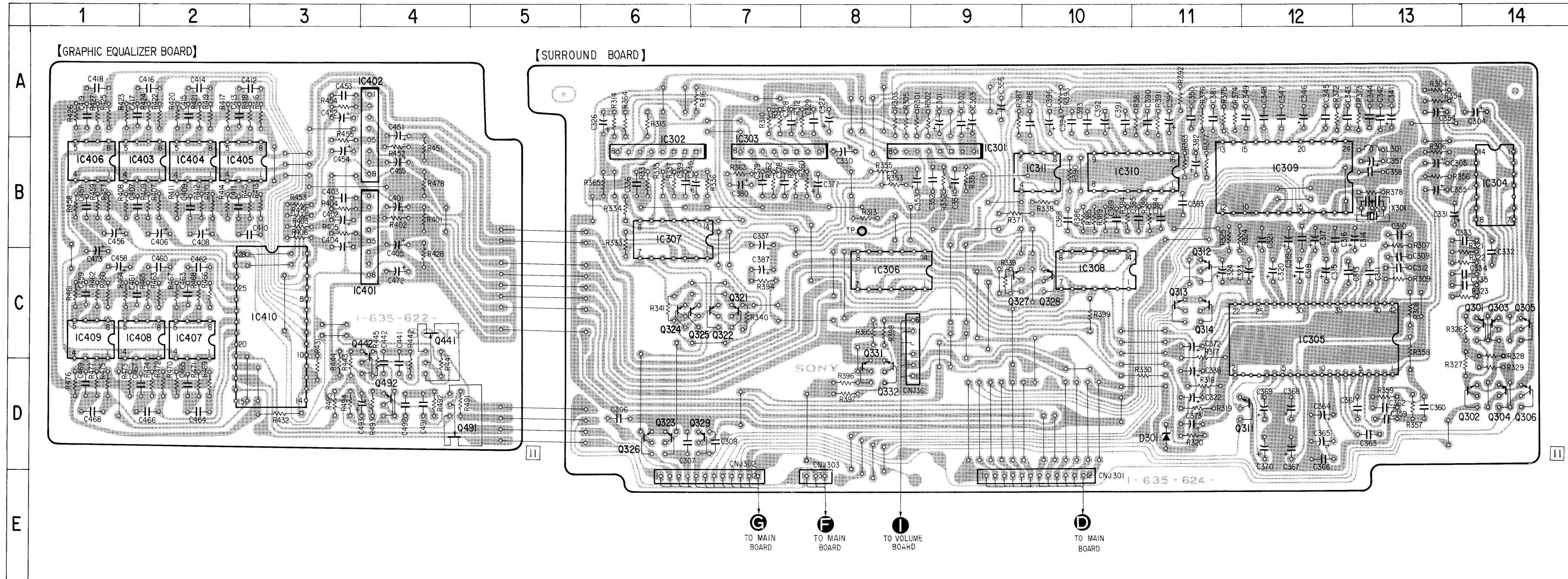
Note on Schematic Diagram:

- All capacitors are in μF unless otherwise noted. pF : μF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified. (TUNER BOARD $\frac{1}{2}\text{W}$)
- Components for right channel have same values as for left channel. Reference numbers are coded from
- : nonflammable resistor.
- Switch with sliding contact indicated by hatched lines shows shorting type.

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 ou des points en pointillés avec la marque sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

3-6. PRINTED WIRING BOARDS - SURROUND/GRAPHIC EQUALIZER SECTION (STR-AV1020) - Refer to page 12 for Semiconductor Lead Layouts.



• SEMICONDUCTOR LOCATION

Ref. No.	Location
IC301	B-9
IC302	B-6
IC303	B-7
IC304	B-14
IC305	C-12
IC306	C-8
IC307	B-6
IC308	C-10
IC309	B-12
IC310	B-10
IC311	B-10
IC401	C-4
IC402	A-4
IC403	B-2
IC404	B-2
IC405	B-2
IC406	B-1
IC407	C-2
IC408	C-2
IC409	C-1
IC410	C-3
Q301	C-14
Q302	D-14
Q303	C-14
Q304	D-14
Q305	C-14
Q306	D-14
Q311	D-12
Q312	C-11
Q313	C-11
Q314	C-11
Q321	C-7
Q322	C-7
Q323	D-6
Q324	C-6
Q325	C-7
Q326	D-6
Q327	C-9
Q328	C-10
Q329	D-7
Q331	D-8
Q332	D-8
Q441	C-4
Q442	C-4
Q491	D-4
Q492	D-4
D301	D-11

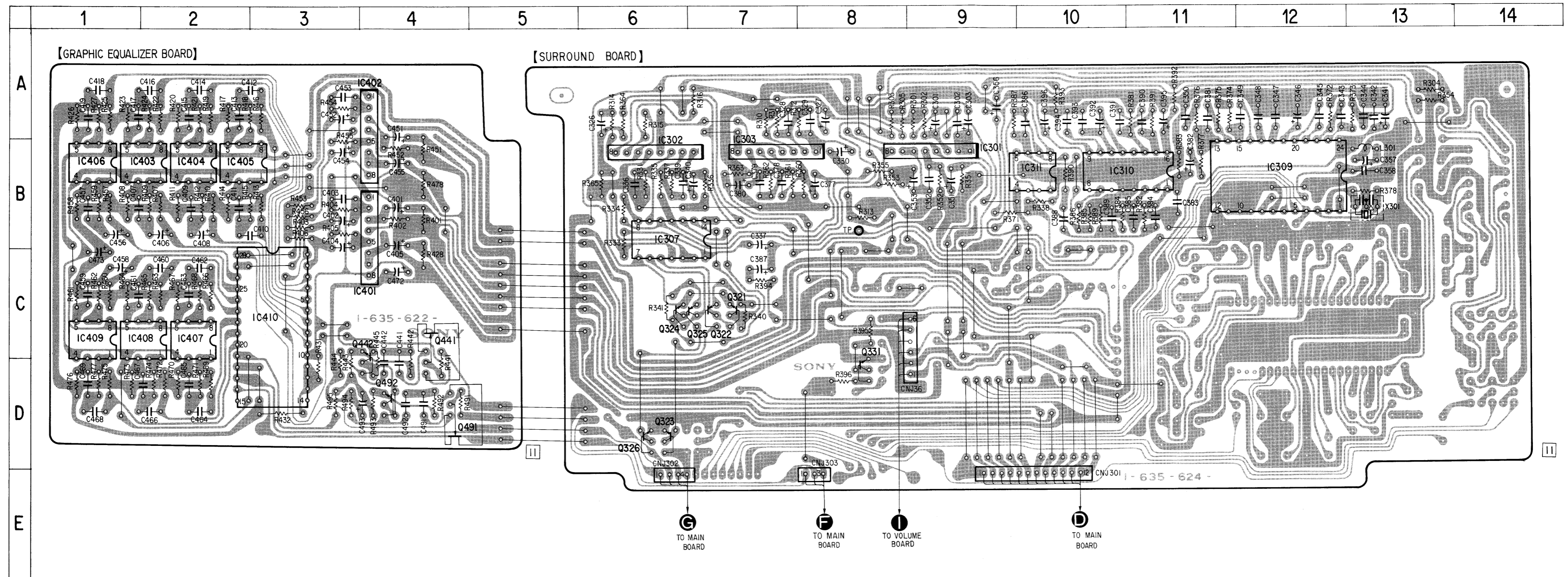
Note on Mounting Diagram:
 ● — : parts extracted from the component side.

• SEMICONDUCTOR LOCATION

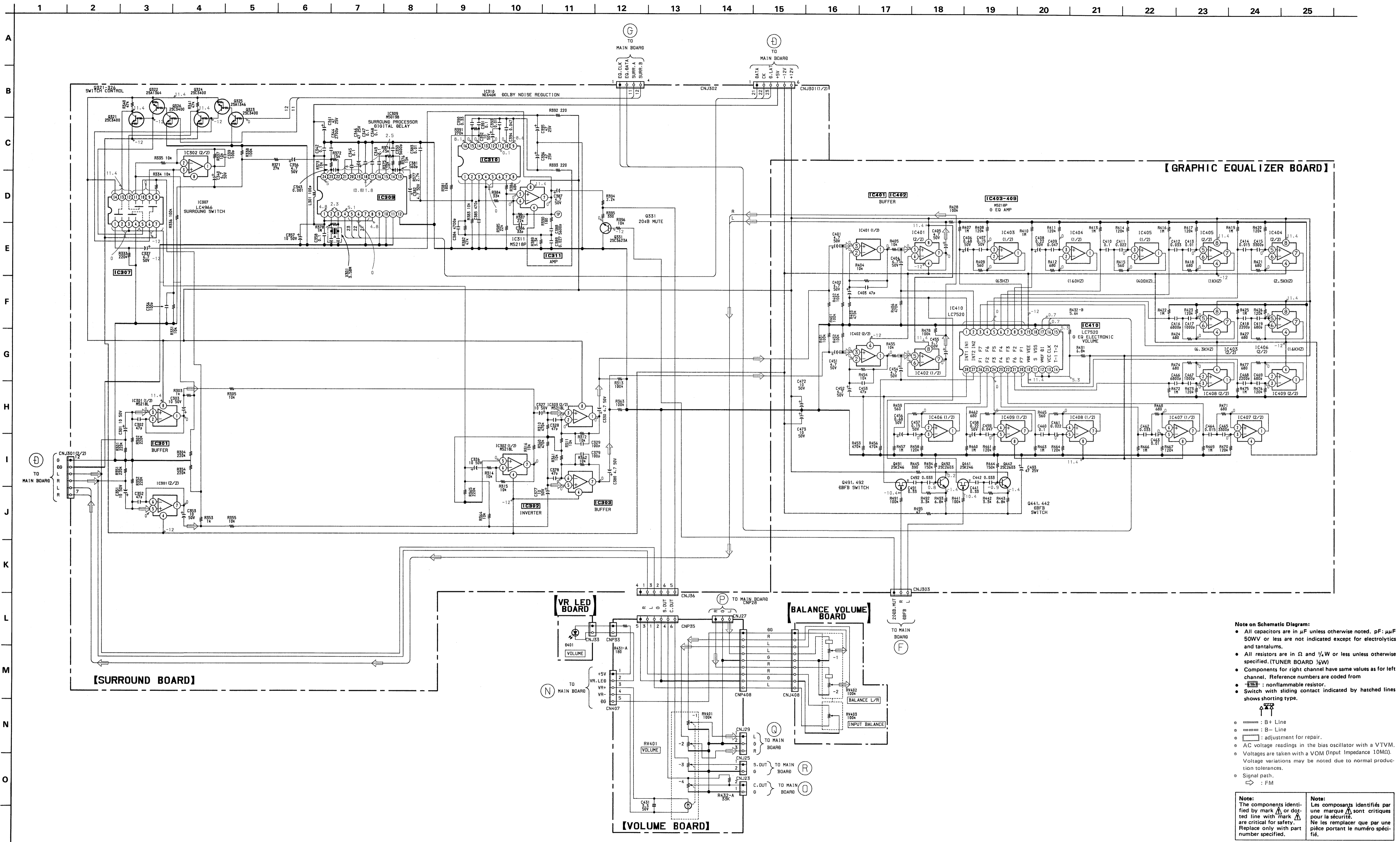
Ref. No.	Location
IC301	B-9
IC302	B-6
IC303	B-7
IC307	B-6
IC309	B-12
IC310	B-10
IC311	B-10
IC401	C-4
IC402	A-4
IC403	B-2
IC404	B-2
IC405	B-2
IC406	B-1
IC407	C-2
IC408	C-2
IC409	C-1
IC410	C-3
Q321	C-7
Q322	C-7
Q323	D-6
Q324	C-6
Q325	C-7
Q326	D-6
Q331	D-8
Q441	C-4
Q442	C-4
Q491	D-4
Q492	D-4
D301	D-11

3-7. PRINTED WIRING BOARDS - SURROUND/GRAPHIC EQUALIZER SECTION (STR-AV920) -

• Refer to page 12 for Semiconductor Lead Layouts.



Note on Mounting Diagram:
 • — : parts extracted from the component side.



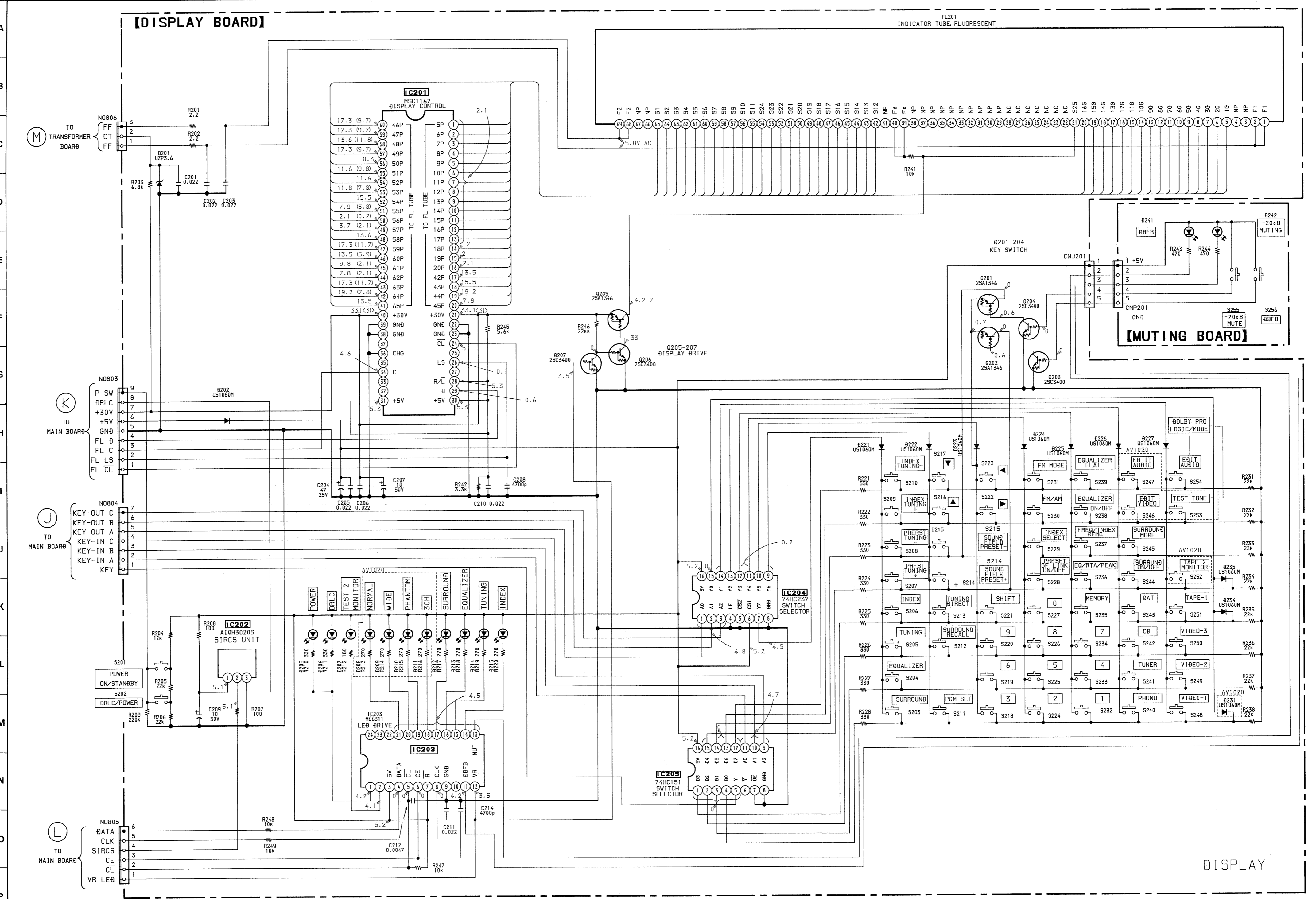
Note on Schematic Diagram:

- All capacitors are in μF unless otherwise noted. $\text{pF} = \mu\text{F} \times 10^{-6}$ or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified. (TUNER BOARD $\frac{1}{2}\text{W}$)
- Components for right channel have same values as for left channel. Reference numbers are coded from
- \square : nonflammable resistor.
- Switch with sliding contact indicated by hatched lines shows shorting type.

○ : B+ Line
 ○ : B- Line
 □ : adjustment for repair.
 ○ : AC voltage readings in the bias oscillator with a VTVM. Voltages are taken with a VOM (Input Impedance 10M Ω). Voltage variations may be noted due to normal production tolerances.
 ○ : Signal path.
 ⇨ : FM

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

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



Note on Schematic Diagram:

- All capacitors are in μF unless otherwise noted. pF: μF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $1/W$ or less unless otherwise specified. (TUNER BOARD $1/2W$)
- Components for right channel have same values as for left channel. Reference numbers are coded from
- \square : nonflammable resistor.
- Switch with sliding contact indicated by hatched lines shows shorting type.

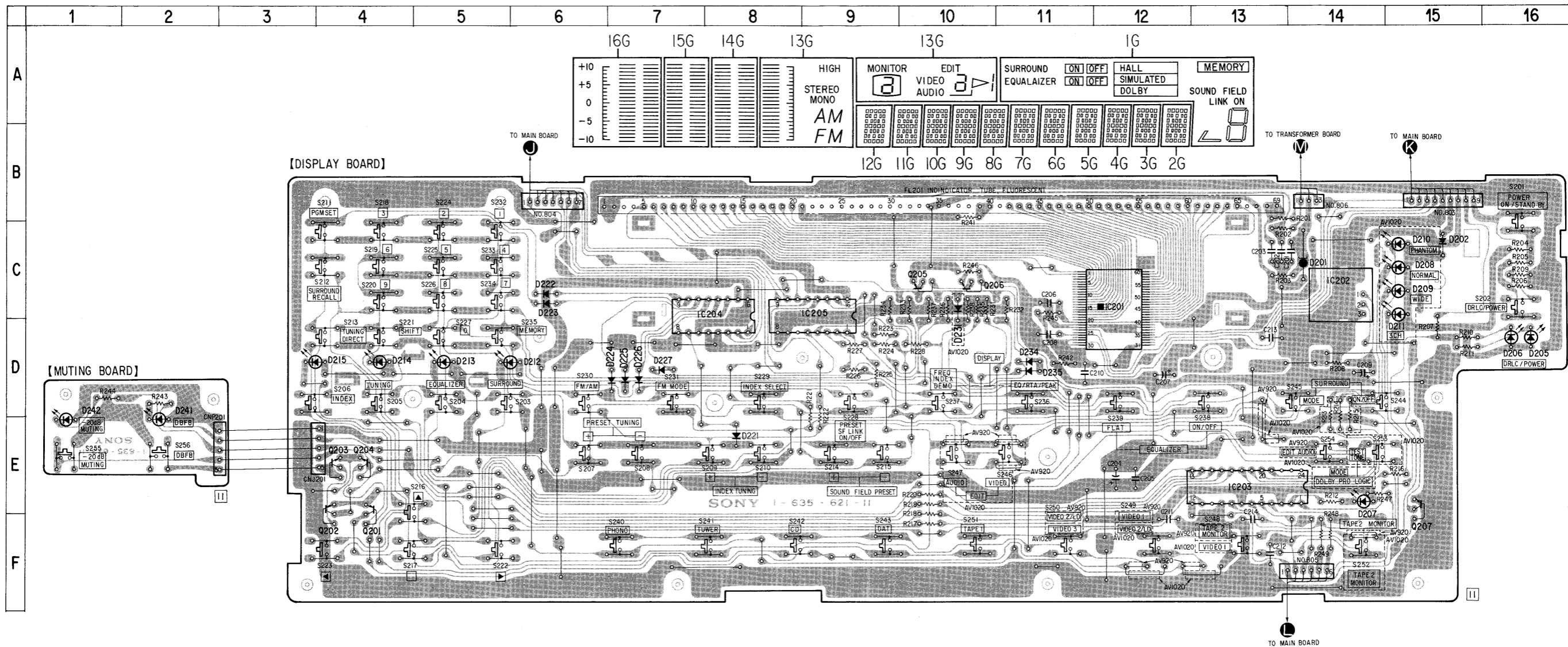
○ ——— : B+ Line
 ○ ——— : B- Line
 ○ ——— : adjustment for repair.
 ○ AC voltage readings in the bias oscillator with a VTVM.
 ○ Voltages are taken with a VOM (Input Impedance 10M Ω).
 ○ Voltage variations may be noted due to normal production tolerances.
 no mark : AV1020
 < > : AV920
 () : AM

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

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

3-10. PRINTED WIRING BOARDS —DISPLAY SECTION—

• Refer to page 12 for Semiconductor Lead Layouts.



• SEMICONDUCTOR LOCATION

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
IC201	C-12	D201	C-14	D221	E-8
IC202	C-14	D202	C-15	D222	C-6
IC203	E-13	D205	D-16	D223	C-6
IC204	C-8	D206	D-16	D224	D-7
IC205	C-9	D207	E-14	D225	D-7
		D208	C-15	D226	D-7
Q201	F-4	D209	C-15	D227	D-7
Q202	F-4	D210	C-15	D231	D-10
Q203	E-4	D211	C-15	D234	D-11
Q204	E-4	D212	D-6	D235	D-11
Q205	C-10				
		D213	D-5	D241	E-2
Q206	C-10	D214	D-4	D242	E-1
Q207	E-15	D215	D-4		

Note on Mounting Diagram:

• ○ — : parts extracted from the component side.

• Semiconductor Location

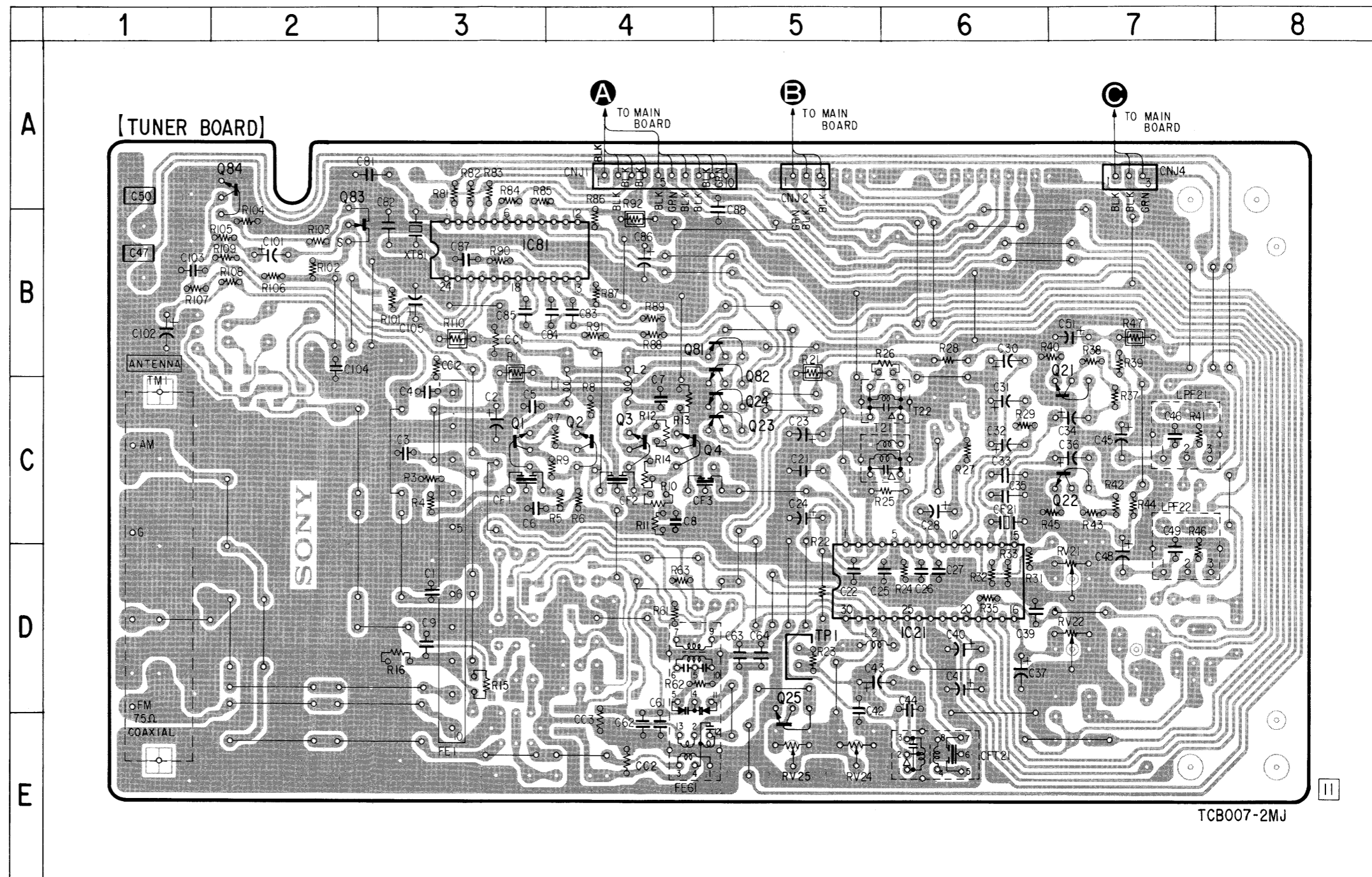
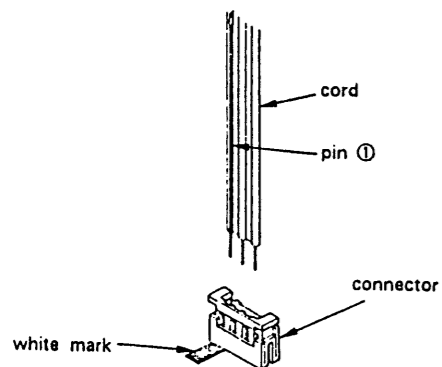
Ref. No.	Location
IC21	D-6
IC81	B-3
Q1	C-3
Q2	C-4
Q3	C-4
Q4	C-4
Q21	C-7
Q22	C-7
Q23	C-5
Q24	C-5
Q25	E-5
Q81	B-5
Q82	B-5
Q83	B-2
Q84	A-2

Note on Mounting Diagram:

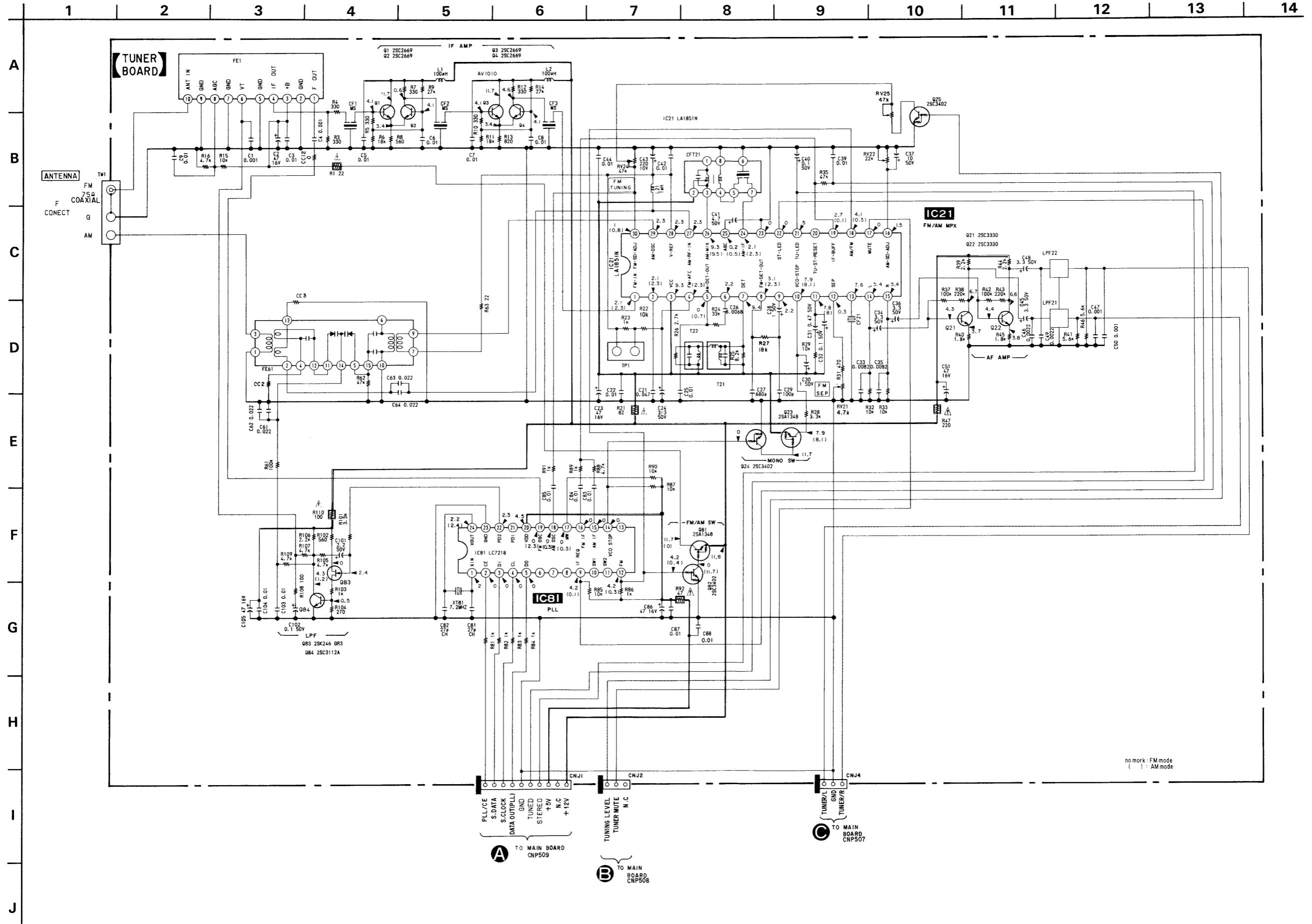
- — : parts extracted from the component side.

[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.



3-12. SCHEMATIC DIAGRAM - TUNER SECTION (STR-AV1020) - Refer to page 22 for note.



• Semiconductor Location

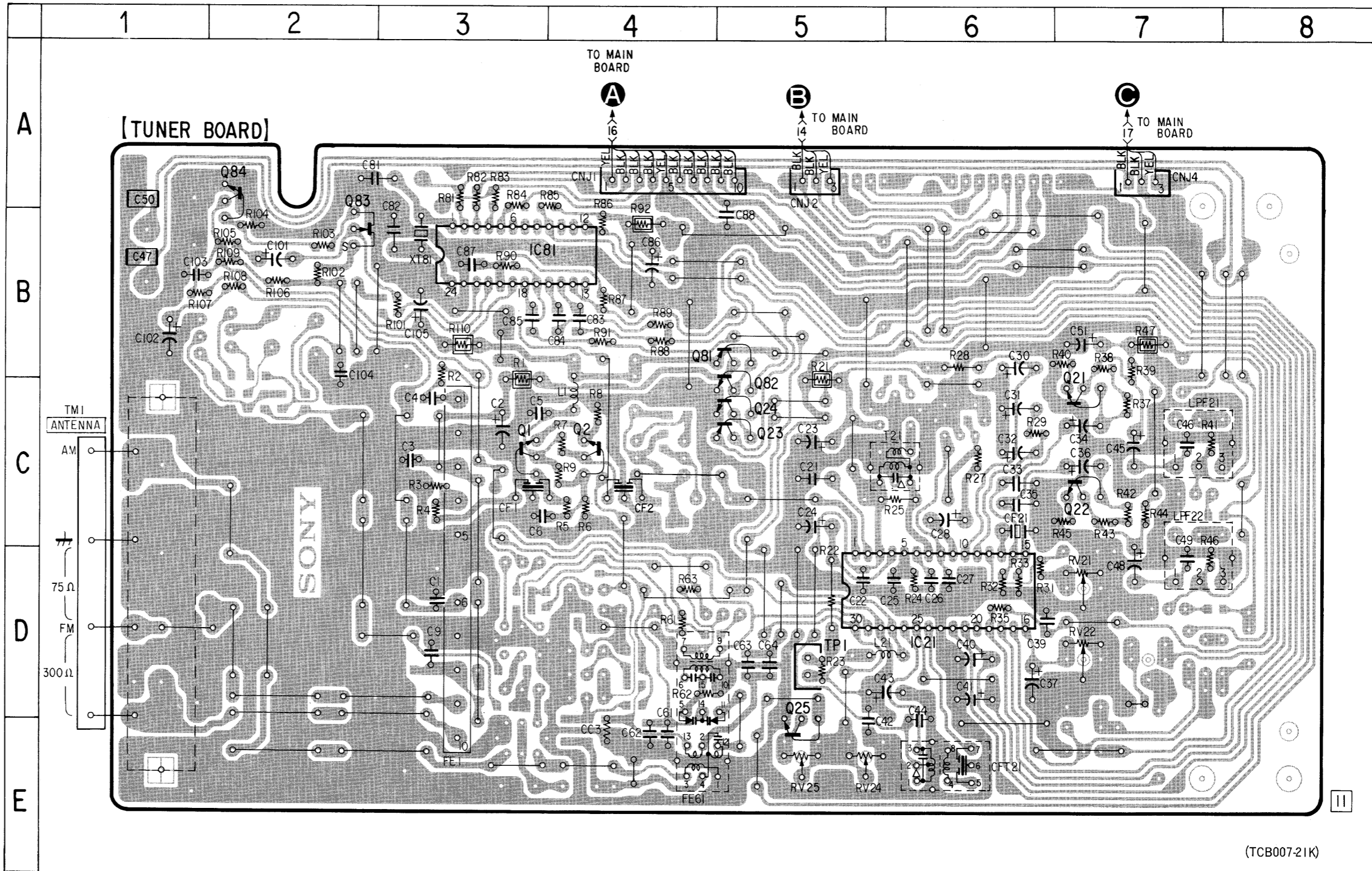
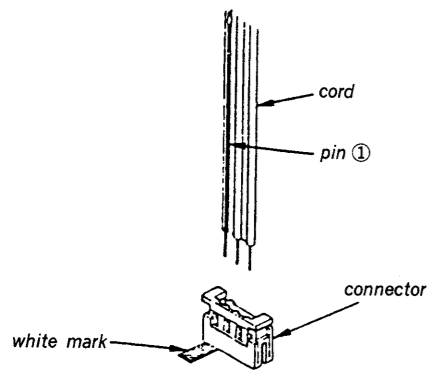
Ref. No.	Location
IC21	D-6
IC81	B-3
Q1	C-3
Q2	C-4
Q21	C-7
Q22	D-7
Q23	C-5
Q24	C-5
Q25	D-5
Q81	B-5
Q82	C-5
Q83	B-2
Q84	A-2

Note on Printed Wiring Board:

- ○ : parts extracted from the component side.

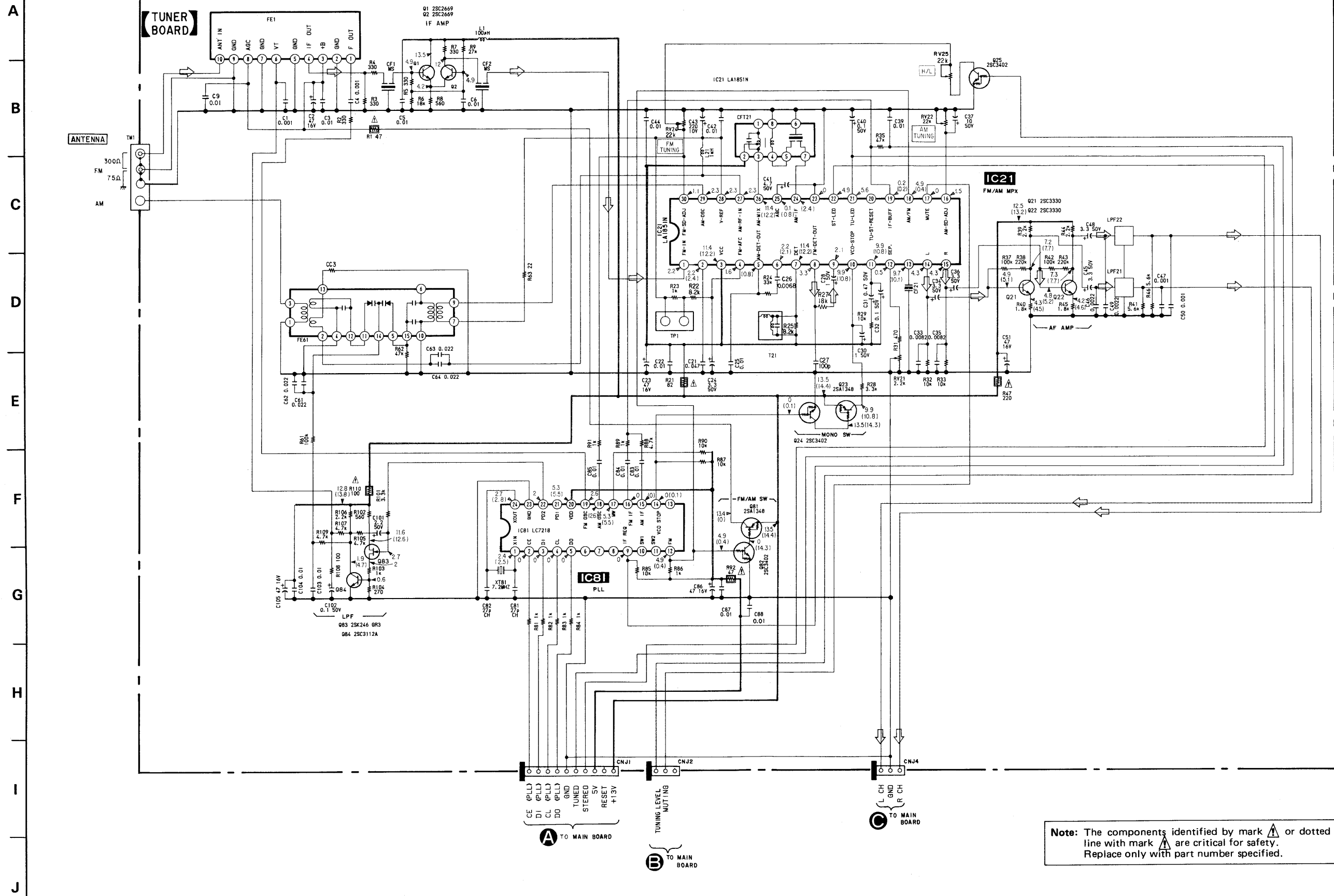
[Note on inserting the Cord to the Connector on Tuner Board]

- 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 3pin cord, insert the cord fitting each color of the connector on Tuner Board and Main Board.



(TCB007-21K)

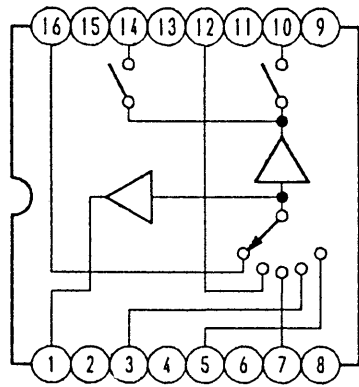
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



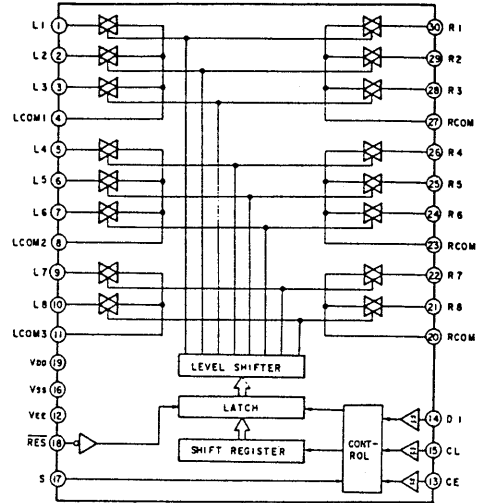
Note: The components identified by mark or dotted line with mark are critical for safety. Replace only with part number specified.

3-15. IC BLOCK DIAGRAMS

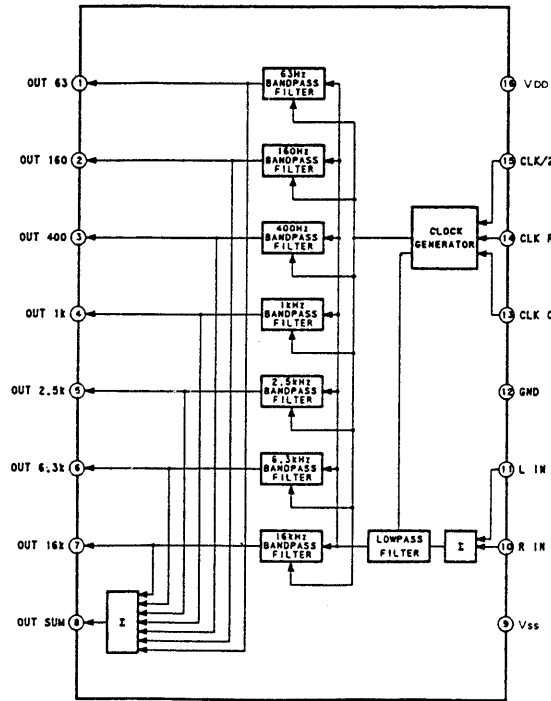
IC251 BA7625



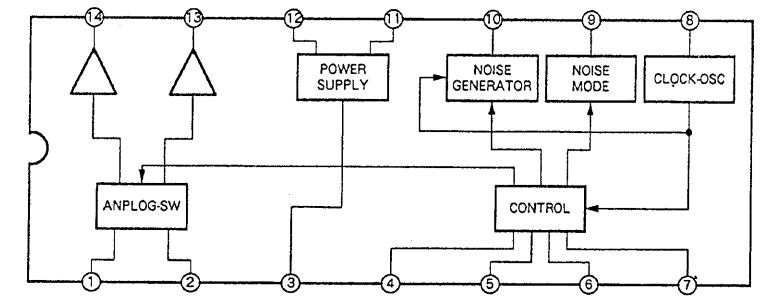
IC606, 607 LC7822



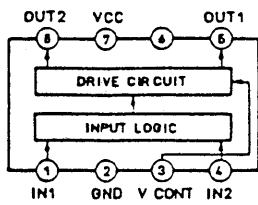
IC506 XR1091



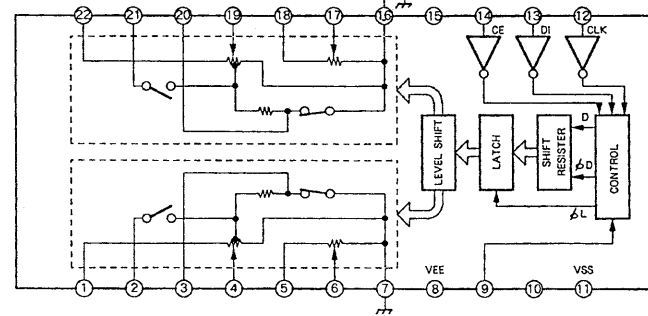
IC304 LA2775



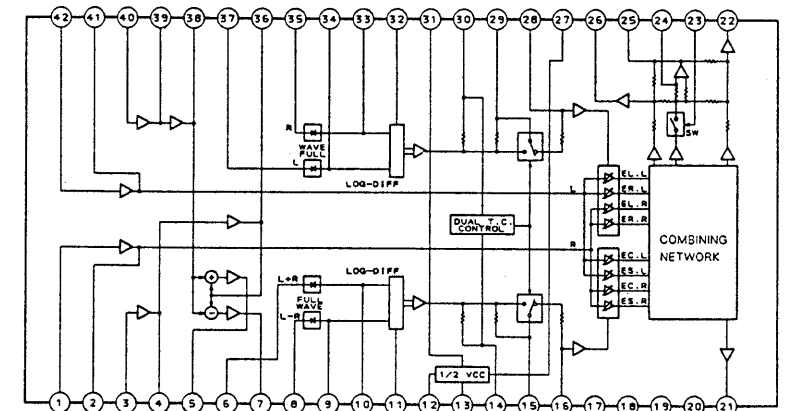
IC501 LB1639



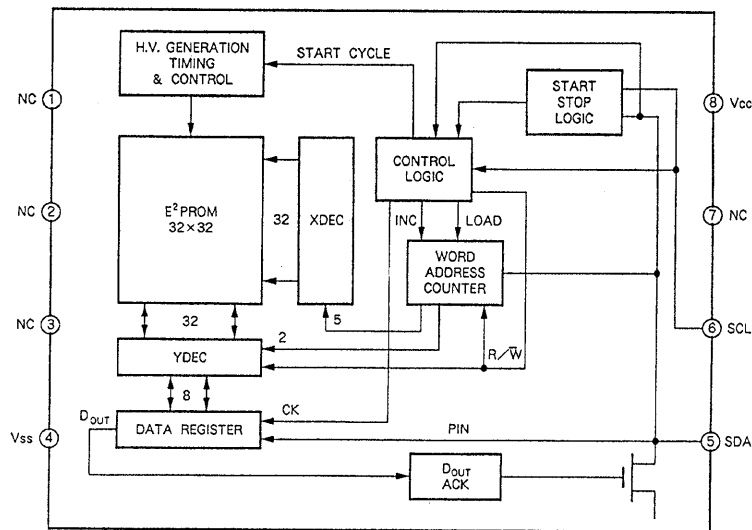
IC504 LC7535



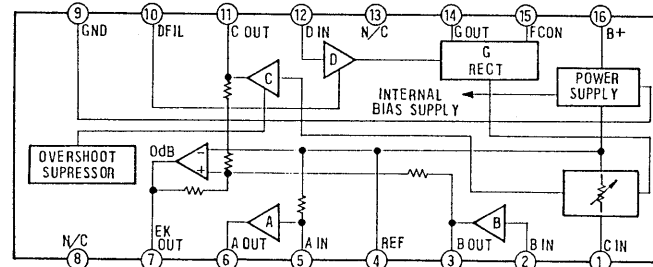
IC305 LA2770



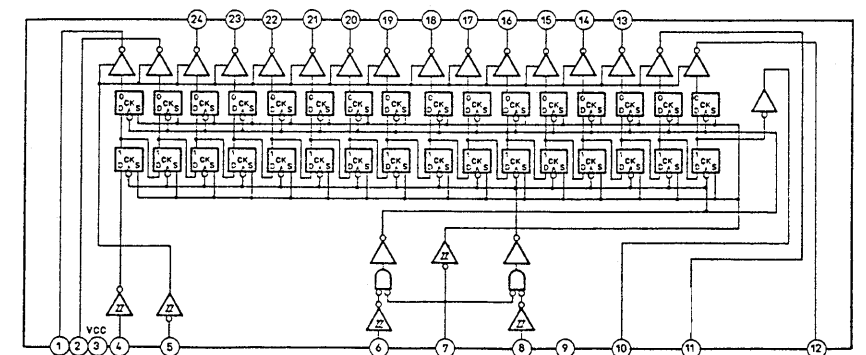
IC508 X24C01



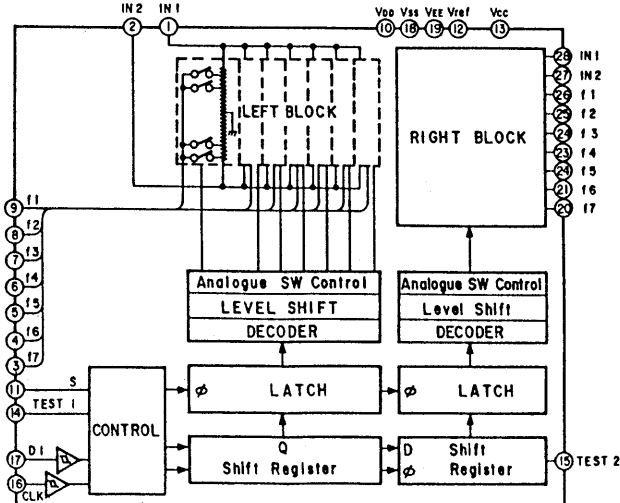
IC310 NE646N



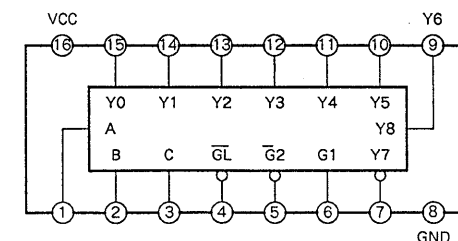
IC203 M66311



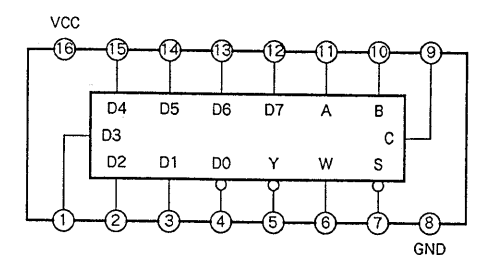
IC410 LC7520



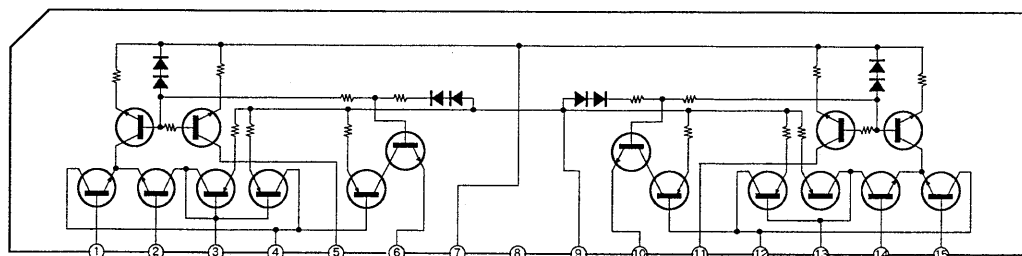
IC204 74HC237



IC205 74HC151





IC701 STK-3122-3




No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
51	7-682-548-04	SCREW +BVTT 3X8 (S)		912	*1-635-633-11	PC BOARD, VIDEO	
52	7-682-550-04	SCREW +BVTT 3X12 (S)		913	*1-635-627-11	PC BOARD, SP OUT	
53	*3-346-266-12	PLATE, GROUND		914	*1-635-625-11	PC BOARD, POWER IC	
54	*3-309-144-21	HEAT SINK		915	*1-635-628-11	PC BOARD, HP	
55	*3-701-946-28	(Canadian)...LABEL (6.3A 125V), FUSE		916	*1-635-626-11	PC BOARD, POWER	
56	7-682-561-04	SCREW +BVTT 4X8 (S)		917	*1-635-620-11	PC BOARD, REAR	
57	*4-925-056-01	(AV1020)...CASE, SHIELD		918	*1-533-185-11	HOLDER, FUSE	
58	*3-703-244-00	BUSHING (2104), CORD		919	1-533-213-31	HOLDER, FUSE	
59	7-682-548-09	SCREW +BVTT 3X8 (S)		920	△.1-575-105-11	CORD, POWER	
60	7-685-646-79	SCREW +BTP 3X8 TYPE2 N-S		CNJ701	1-507-796-71	JACK (HEADPHONES)	
61	7-621-849-00	SCREW, TAPPING		D801	8-719-302-37	DIODE RBV-602	
62	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S		F851	△.1-532-745-11	FUSE, GLASS TUBE (3.15A 125V)	
63	3-706-165-00	SCREW		F852	△.1-532-745-11	FUSE, GLASS TUBE (3.15A 125V)	
64	*4-931-994-01	(AV1020:US).....PANEL, BACK		F901	△.1-532-745-11	FUSE, GLASS TUBE (3.15A 125V)	
	*4-931-994-11	(AV1020:Canadian)...PANEL, BACK		F902	△.1-532-509-00	(Canadian)...FUSE, GLASS TUBE (6.3A 125V)	
	*4-931-994-31	(AV920:US).....PANEL, BACK		F902	△.1-532-510-00	(US).....FUSE, GLASS TUBE (8A 125V)	
	*4-931-994-41	(AV920:Canadian)....PANEL, BACK		Q701	8-729-209-15	TRANSISTOR 2SD2012	
65	X-4885-950-1	FOOT ASSY		Q705	8-729-320-96	(AV1020)...TRANSISTOR 2SC2921-0PY	
66	4-885-901-31	(AV1020)...SHEET, RADIATION		Q705	8-729-321-13	(AV920)...TRANSISTOR 2SC4388-0Y	
67	4-911-232-01	(AV920)...SHEET, INSULATING		Q706	8-729-320-73	(AV1020)...TRANSISTOR 2SA1215-0Y	
907	1-575-730-11	WIRE, FLAT TYPE (5 CORE)		Q706	8-729-321-18	(AV920)...TRANSISTOR 2SA1673-0Y	
909	*A-4303-169-A	(AV1020)...MOUNTED PCB, TUNER(TCB007-2MJ)		Q751	8-729-209-15	TRANSISTOR 2SD2012	
	*A-4303-212-A	(AV920)...MOUNTED PCB, TUNER(TCB007-2LK)		Q755	8-729-320-96	(AV1020)...TRANSISTOR 2SC2921-0PY	
910	*A-4334-754-A	(AV1020)...MOUNTED PCB, SURROUND		Q755	8-729-321-13	(AV920)...TRANSISTOR 2SC4388-0Y	
	*A-4334-784-A	(AV920)...MOUNTED PCB, SURROUND		Q756	8-729-320-73	(AV1020)...TRANSISTOR 2SA1215-0Y	
911	*A-4334-752-A	(AV1020:US).....MOUNTED PCB, MAIN		Q756	8-729-321-18	(AV920)...TRANSISTOR 2SA1673-0Y	
	*A-4334-783-A	(AV920:US).....MOUNTED PCB, MAIN		S701-1	1-572-291-11	SWITCH, ROTARY SLIDE(SPEAKER A+B OFF A/B)	
	*A-4334-850-A	(AV1020:Canadian)...MOUNTED PCB, MAIN		S701-2	1-572-322-11	SWITCH, SLIDE	
	*A-4334-851-A	(AV920:Canadian)....MOUNTED PCB, MAIN		T802	△.1-449-996-11	(AV920)...TRANSFORMER, POWER	
				T802	△.1-449-997-11	(AV1020)...TRANSFORMER, POWER	
				T901	△.1-448-517-21	TRANSFORMER, POWER	

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 5 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: μ F, PF: μ μ F.**RESISTORS**

- All resistors are in ohms.
- F: nonflammable

COILS

- MMH: mH, UH: μ H

SEMICONDUCTORSIn each case, U: μ , for example:
 UA....: μ A..., UPA....: μ PA...,
 UPC....: μ PC, UPD....: μ PD...

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

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

TUNER BOARD

Ref.No.	Part No.	Description				Ref.No.	Part No.	Description			
C1	1-162-294-31	CERAMIC CHIP 0.001MF	20%	25V		C83	1-163-059-00	CERAMIC MELF 0.01MF	20%	16V	
C2	1-124-477-11	ELECT 47MF	20%	16V		C84	1-163-059-00	CERAMIC MELF 0.01MF	20%	16V	
C3	1-163-059-00	CERAMIC MELF 0.01MF	20%	16V		C85	1-163-059-00	CERAMIC MELF 0.01MF	20%	16V	
C4	1-162-294-31	CERAMIC CHIP 0.001MF	20%	25V		C86	1-124-477-11	ELECT 47MF	20%	16V	
C5	1-163-059-00	CERAMIC MELF 0.01MF	20%	16V		C87	1-163-059-00	CERAMIC MELF 0.01MF	20%	16V	
C6	1-163-059-00	CERAMIC MELF 0.01MF	20%	16V		C88	1-163-059-00	CERAMIC MELF 0.01MF	20%	16V	
C7	1-163-059-00	(AV1020)... CERAMIC MELF 0.01MF	20%	16V		C101	1-124-925-11	ELECT 2.2MF	20%	50V	
C8	1-163-059-00	(AV1020)... CERAMIC MELF 0.01MF	20%	16V		C102	1-124-463-00	ELECT 0.1MF	20%	50V	
C9	1-163-059-00	CERAMIC MELF 0.01MF	20%	16V		C103	1-163-059-00	CERAMIC MELF 0.01MF	20%	16V	
C21	1-101-006-00	CERAMIC 0.047MF	10%	50V		C104	1-163-059-00	CERAMIC MELF 0.01MF	20%	16V	
C22	1-163-059-00	CERAMIC MELF 0.01MF	20%	16V		C105	1-124-477-11	ELECT 47MF	20%	16V	
C23	1-124-477-11	ELECT 47MF	20%	16V		CC2	1-249-366-11	(AV1020)... CARBON MELF 0	5%	1/5W	
C24	1-123-382-00	ELECT 3.3MF	20%	50V		CC3	1-249-366-11	CARBON MELF 0	5%	1/5W	
C25	1-163-059-00	CERAMIC MELF 0.01MF	20%	16V		CC12	1-249-366-11	(AV1020)... CARBON MELF 0	5%	1/5W	
C26	1-163-019-00	CERAMIC CHIP 0.0068MF	20%	12V		CF1	1-567-389-11	FILTER, CERAMIC			
C27	1-162-516-11	(AV920)... CERAMIC CHIP 100PF	10%	50V		CF2	1-567-389-11	FILTER, CERAMIC			
C27	1-163-007-11	(AV1020)... CERAMIC CHIP 680PF	20%	50V		CF3	1-567-389-11	(AV1020)... FILTER, CERAMIC			
C28	1-124-499-11	ELECT 1.0MF	20%	50V		CF21	1-577-075-11	OSCILLATOR, CERAMIC			
C29	1-162-516-11	(AV1020)... CERAMIC CHIP 100PF	10%	50V		CFT21	1-404-853-11	TRANSFORMER, IF (CERAMIC FILTER)			
C30	1-124-499-11	ELECT 1.0MF	20%	50V		CNJ1	*1-568-276-11	SOCKET, CONNECTOR 10P			
C31	1-124-902-00	ELECT 0.47MF	20%	50V		CNJ2	1-568-269-11	SOCKET, CONNECTOR 3P			
C32	1-124-463-00	ELECT 0.1MF	20%	50V		CNJ4	1-568-307-11	SOCKET, CONNECTOR 3P			
C33	1-130-482-00	PE TEREPHTHALATE 0.0082MF	5%	50V		FE1	1-463-862-21	(AV920)... FRONT END (FM)			
C34	1-123-382-00	ELECT 3.3MF	20%	50V		FE1	1-463-857-11	(AV1020)... FRONT END (FM)			
C35	1-130-482-00	PE TEREPHTHALATE 0.0082MF	5%	50V		FE61	1-236-461-11	ENCAPSULATED COMPONENT			
C36	1-123-382-00	ELECT 3.3MF	20%	50V		IC21	8-759-821-45	IC LA1851N			
C37	1-123-875-11	ELECT 1.0MF	20%	50V		IC81	8-759-820-91	IC LC7218			
C39	1-163-059-00	CERAMIC MELF 0.01MF	20%	16V		L1	1-410-645-31	MICRO INDUCTOR 100UH 10%			
C40	1-124-463-00	ELECT 0.1MF	20%	50V		L2	1-410-645-31	(AV1020)... MICRO INDUCTOR 100UH 10%			
C41	1-124-927-11	ELECT 4.7MF	20%	50V		L21	1-410-171-11	MICRO INDUCTOR 1MMH 10%			
C42	1-163-059-00	CERAMIC MELF 0.01MF	20%	16V		LPF21	1-235-164-00	FILTER, LOW PASS			
C43	1-126-176-11	ELECT 220MF	20%	10V		LPF22	1-235-164-00	FILTER, LOW PASS			
C44	1-163-059-00	CERAMIC MELF 0.01MF	20%	16V		Q1	8-729-266-93	TRANSISTOR 2SC2669			
C45	1-123-382-00	ELECT 3.3MF	20%	50V		Q2	8-729-266-93	TRANSISTOR 2SC2669			
C46	1-161-375-00	CERAMIC CHIP 0.0022MF	20%	25V		Q3	8-729-266-93	(AV1020)... TRANSISTOR 2SC2669			
C47	1-162-294-31	CERAMIC CHIP 0.001MF	20%	25V		Q4	8-729-266-93	(AV1020)... TRANSISTOR 2SC2669			
C48	1-123-382-00	ELECT 3.3MF	20%	50V		Q21	8-729-119-78	TRANSISTOR 2SC2785			
C49	1-161-375-00	CERAMIC CHIP 0.0022MF	20%	25V		Q22	8-729-119-78	TRANSISTOR 2SC2785			
C50	1-162-294-31	CERAMIC CHIP 0.001MF	20%	25V		Q23	8-729-900-61	TRANSISTOR DTA114ES			
C51	1-124-477-11	ELECT 47MF	20%	16V		Q24	8-729-900-80	TRANSISTOR DTC114ES			
C61	1-163-063-00	CERAMIC MELF 0.022MF		25V		Q25	8-729-900-80	TRANSISTOR DTC114ES			
C62	1-163-063-00	CERAMIC MELF 0.022MF		25V		Q81	8-729-900-61	TRANSISTOR DTA114ES			
C63	1-163-063-00	CERAMIC MELF 0.022MF		25V		Q82	8-729-900-80	TRANSISTOR DTC114ES			
C64	1-163-063-00	CERAMIC MELF 0.022MF		25V		Q83	8-729-207-53	TRANSISTOR 2SK246GR			
C81	1-102-961-00	CERAMIC 27PF	5%	50V		Q84	8-729-203-53	TRANSISTOR 2SC3113AB			
C82	1-102-961-00	CERAMIC 27PF	5%	50V							

• EXCEPT FOR TUNER BOARD

Ref.No.	Part No.	Description
901	*A-4334-755-A	(AV1020)...MOUNTED PCB, DISPLAY
	*A-4334-785-A	(AV920)...MOUNTED PCB, DISPLAY
902	*1-635-630-11	PC BOARD, VOLUME
903	*1-635-632-11	PC BOARD, VOLUME CONNECTOR
904	*1-635-629-11	PC BOARD, BALANCE VOLUME
905	*1-635-623-11	PC BOARD, MUTING
906	*1-635-631-11	PC BOARD, VR LED
907	21-575-730-11	WIRE, FLAT TYPE (5 CORE)
908	1-465-417-11	(AV1020)...REMOTE COMMANDER (RM-P301)
	1-465-422-11	(AV920)...REMOTE COMMANDER (RM-U201)
909	*A-4303-169-A	(AV1020)...MOUNTED PCB, TUNER (TCB007-2MJ)
	*A-4303-212-A	(AV920)...MOUNTED PCB, TUNER (TCB007-2LK)
910	*A-4334-754-A	(AV1020)...MOUNTED PCB, SURROUND
	*A-4334-784-A	(AV920)...MOUNTED PCB, SURROUND
911	*A-4334-752-A	(AV1020:US)...MOUNTED PCB, MAIN
	*A-4334-783-A	(AV920:US).....MOUNTED PCB, MAIN
	*A-4334-850-A	(AV1020:Canadian)...MOUNTED PCB, MAIN
	*A-4334-851-A	(AV920:Canadian)...MOUNTED PCB, MAIN
912	*1-635-633-11	PC BOARD, VIDEO
913	*1-635-627-11	PC BOARD, SP OUT
914	*1-635-625-11	PC BOARD, POWER IC
915	*1-635-628-11	PC BOARD, HP
916	*1-635-626-11	PC BOARD, POWER
917	*1-635-620-11	PC BOARD, REAR
918	*1-533-185-11	HOLDER, FUSE
919	1-533-213-31	HOLDER, FUSE
920	▲1-575-105-11	CORD, POWER
BP901	*1-535-140-00	BASE POST 22MM (10MM PITCH) 3P
C201	1-164-097-11	CERAMIC 0.022MF 50V
C202	1-164-097-11	CERAMIC 0.022MF 50V
C203	1-164-097-11	CERAMIC 0.022MF 50V
C204	1-124-477-11	ELECT 47MF 20% 25V
C205	1-164-097-11	CERAMIC 0.022MF 50V
C206	1-164-097-11	CERAMIC 0.022MF 50V
C207	1-123-875-11	ELECT 10MF 20% 50V
C208	1-164-093-11	CERAMIC 0.0047MF 10% 25V
C209	1-123-875-11	ELECT 10MF 20% 50V
C210	1-164-097-11	CERAMIC 0.022MF 50V
C211	1-164-097-11	CERAMIC 0.022MF 50V
C214	1-164-093-11	CERAMIC 0.0047MF 10% 25V
C251	1-124-927-11	ELECT 4.7MF 20% 50V
C252	1-124-927-11	ELECT 4.7MF 20% 50V
C253	1-124-472-11	ELECT 470MF 20% 10V

Ref.No.	Part No.	Description
C254	1-124-472-11	ELECT 470MF 20% 10V
C256	1-124-477-11	ELECT 47MF 20% 25V
C257	1-124-927-11	(AV1020)...ELECT 4.7MF 20% 50V
C301	1-123-875-11	ELECT 10MF 20% 50V
C302	1-162-215-31	CERAMIC 47PF 5% 50V
C303	1-123-875-11	ELECT 10MF 20% 50V
C304	1-123-875-11	(AV1020)...ELECT 10MF 20% 50V
C305	1-123-875-11	(AV1020)...ELECT 10MF 20% 50V
C309	1-136-165-00	(AV1020)...FILM 0.1MF 5% 50V
C310	1-136-165-00	(AV1020)...FILM 0.1MF 5% 50V
C311	1-136-171-00	(AV1020)...FILM 0.33MF 5% 50V
C312	1-162-292-31	(AV1020)...CERAMIC 680PF 10% 50V
C313	1-136-171-00	(AV1020)...FILM 0.33MF 5% 50V
C314	1-124-927-11	(AV1020)...ELECT 4.7MF 20% 50V
C315	1-124-927-11	(AV1020)...ELECT 4.7MF 20% 50V
C316	1-130-481-00	(AV1020)...MYLAR 0.0068MF 5% 50V
C317	1-124-477-11	(AV1020)...ELECT 47MF 20% 25V
C318	1-124-464-11	(AV1020)...ELECT 0.22MF 20% 50V
C319	1-124-927-11	(AV1020)...ELECT 4.7MF 20% 50V
C320	1-124-464-11	(AV1020)...ELECT 0.22MF 20% 50V
C321	1-124-477-11	(AV1020)...ELECT 47MF 20% 25V
C322	1-123-875-11	(AV1020)...ELECT 10MF 20% 50V
C323	1-124-902-00	(AV1020)...ELECT 0.47MF 20% 50V
C324	1-123-875-11	(AV1020)...ELECT 10MF 20% 50V
C326	1-123-875-11	ELECT 10MF 20% 50V
C327	1-123-875-11	ELECT 10MF 20% 50V
C328	1-162-215-31	CERAMIC 47PF 5% 50V
C329	1-162-282-31	CERAMIC 100PF 10% 50V
C330	1-124-927-11	ELECT 4.7MF 20% 50V
C331	1-124-477-11	(AV1020)...ELECT 47MF 20% 25V
C332	1-162-302-11	(AV1020)...CERAMIC 2200PF 5% 16V
C333	1-161-379-00	(AV1020)...CERAMIC 0.01MF 30% 16V
C334	1-161-379-00	(AV1020)...CERAMIC 0.01MF 30% 16V
C335	1-161-379-00	(AV1020)...CERAMIC 0.01MF 30% 16V
C336	1-162-282-31	CERAMIC 100PF 10% 50V
C337	1-124-927-11	ELECT 4.7MF 20% 50V
C338	1-124-927-11	(AV1020)...ELECT 4.7MF 20% 50V
C339	1-162-282-31	CERAMIC 100PF 10% 50V
C340	1-124-927-11	ELECT 4.7MF 20% 50V
C341	1-124-477-11	ELECT 47MF 20% 25V
C342	1-164-159-11	CERAMIC 0.1MF 50V
C343	1-130-471-00	MYLAR 0.001MF 5% 50V
C344	1-130-476-00	MYLAR 0.0027MF 5% 50V
C345	1-136-165-00	FILM 0.1MF 5% 50V
C346	1-124-477-11	ELECT 47MF 20% 25V

<p>Note: The components identified by mark ▲ or dotted line with mark ▲ are critical for safety. Replace only with part number specified.</p>	<p>Note: Les composants identifiés par une marque ▲ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.</p>
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Ref.No.	Part No.	Description								
C347	1-136-165-00	FILM	0.1MF	5%	50V					
C348	1-136-165-00	FILM	0.1MF	5%	50V					
C349	1-136-165-00	FILM	0.1MF	5%	50V					
C350	1-130-480-00	MYLAR	0.0056MF	5%	50V					
C351	1-123-875-11	ELECT	10MF	20%	50V					
C352	1-162-215-31	CERAMIC	47PF	5%	50V					
C353	1-123-875-11	ELECT	10MF	20%	50V					
C354	1-123-875-11	(AV1020)...ELECT	10MF	20%	50V					
C355	1-123-875-11	(AV1020)...ELECT	10MF	20%	50V					
C356	1-124-927-11	ELECT	4.7MF	20%	50V					
C357	1-123-875-11	ELECT	10MF	20%	50V					
C358	1-164-159-11	CERAMIC	0.1MF		50V					
C359	1-136-165-00	(AV1020)...FILM	0.1MF	5%	50V					
C360	1-136-165-00	(AV1020)...FILM	0.1MF	5%	50V					
C361	1-136-167-00	(AV1020)...FILM	0.15MF	5%	50V					
C362	1-162-292-31	(AV1020)...CERAMIC	680PF	10%	50V					
C363	1-136-167-00	(AV1020)...FILM	0.15MF	5%	50V					
C364	1-124-927-11	(AV1020)...ELECT	4.7MF	20%	50V					
C365	1-124-927-11	(AV1020)...ELECT	4.7MF	20%	50V					
C366	1-130-481-00	(AV1020)...MYLAR	0.0068MF	5%	50V					
C367	1-124-477-11	(AV1020)...ELECT	47MF	20%	25V					
C368	1-124-464-11	(AV1020)...ELECT	0.22MF	20%	50V					
C369	1-124-927-11	(AV1020)...ELECT	4.7MF	20%	50V					
C370	1-124-464-11	(AV1020)...ELECT	0.22MF	20%	50V					
C372	1-123-875-11	(AV1020)...ELECT	10MF	20%	50V					
C373	1-123-875-11	(AV1020)...ELECT	10MF	20%	50V					
C377	1-123-875-11	ELECT	10MF	20%	50V					
C378	1-162-215-31	CERAMIC	47PF	5%	50V					
C379	1-162-282-31	CERAMIC	100PF	10%	50V					
C380	1-124-927-11	ELECT	4.7MF	20%	50V					
C381	1-162-291-31	CERAMIC	560PF	10%	50V					
C382	1-124-927-11	ELECT	4.7MF	20%	50V					
C383	1-130-483-00	MYLAR	0.01MF	5%	50V					
C384	1-130-479-00	MYLAR	0.0047MF	5%	50V					
C385	1-162-290-31	CERAMIC	470PF	10%	50V					
C386	1-162-211-31	CERAMIC	33PF	5%	50V					
C387	1-124-927-11	ELECT	4.7MF	20%	50V					
C388	1-130-480-00	MYLAR	0.0056MF	5%	50V					
C389	1-130-488-00	MYLAR	0.027MF	5%	50V					
C390	1-136-171-00	FILM	0.33MF	5%	50V					
C391	1-136-165-00	FILM	0.1MF	5%	50V					
C392	1-123-875-11	ELECT	10MF	20%	50V					
C393	1-130-483-00	MYLAR	0.01MF	5%	50V					
C394	1-130-491-00	MYLAR	0.047MF	5%	50V					
C395	1-124-477-11	ELECT	47MF	20%	25V					
C396	1-124-477-11	ELECT	47MF	20%	25V					
C397	1-164-096-11	CERAMIC	0.01MF		50V					
C398	1-164-096-11	CERAMIC	0.01MF		50V					
C399	1-164-159-11	CERAMIC	0.1MF		50V					
C401	1-124-927-11	ELECT	4.7MF	20%	50V					
C402	1-124-927-11	ELECT	4.7MF	20%	50V					
C403	1-162-215-31	CERAMIC	47PF	5%	50V					
C404	1-124-927-11	ELECT	4.7MF	20%	50V					
C405	1-124-927-11	ELECT	4.7MF	20%	50V					
C406	1-124-254-00	ELECT	0.68MF	20%	50V					
C407	1-136-167-00	FILM	0.15MF	5%	50V					
C408	1-124-464-11	ELECT	0.22MF	20%	50V					
C409	1-130-491-00	MYLAR	0.047MF	5%	50V					
C410	1-136-165-00	FILM	0.1MF	5%	50V					
C411	1-130-487-00	MYLAR	0.022MF	5%	50V					
C412	1-130-489-00	MYLAR	0.033MF	5%	50V					
C413	1-130-483-00	MYLAR	0.01MF	5%	50V					
C414	1-130-485-00	MYLAR	0.015MF	5%	50V					
C415	1-130-477-00	MYLAR	0.0033MF	5%	50V					
C416	1-130-481-00	MYLAR	0.0068MF	5%	50V					
C417	1-130-471-00	MYLAR	0.001MF	5%	50V					
C418	1-130-475-00	MYLAR	0.0022MF	5%	50V					
C419	1-162-292-31	CERAMIC	680PF	10%	50V					
C431	1-124-273-00	ELECT	3.3MF	20%	50V					
C441	1-136-171-00	FILM	0.33MF	5%	50V					
C442	1-130-489-00	MYLAR	0.033MF	5%	50V					
C451	1-124-927-11	ELECT	4.7MF	20%	50V					
C452	1-124-927-11	ELECT	4.7MF	20%	50V					
C453	1-162-215-31	CERAMIC	47PF	5%	50V					
C454	1-124-927-11	ELECT	4.7MF	20%	50V					
C455	1-124-927-11	ELECT	4.7MF	20%	50V					
C456	1-124-254-00	ELECT	0.68MF	20%	50V					
C457	1-136-167-00	FILM	0.15MF	5%	50V					
C458	1-124-464-11	ELECT	0.22MF	20%	50V					
C459	1-130-491-00	MYLAR	0.047MF	5%	50V					
C460	1-136-165-00	FILM	0.1MF	5%	50V					
C461	1-130-487-00	MYLAR	0.022MF	5%	50V					
C462	1-130-489-00	MYLAR	0.033MF	5%	50V					
C463	1-130-483-00	MYLAR	0.01MF	5%	50V					
C464	1-130-485-00	MYLAR	0.015MF	5%	50V					
C465	1-130-477-00	MYLAR	0.0033MF	5%	50V					
C466	1-130-481-00	MYLAR	0.0068MF	5%	50V					
C467	1-130-471-00	MYLAR	0.001MF	5%	50V					
C468	1-130-475-00	MYLAR	0.0022MF	5%	50V					
C469	1-162-292-31	CERAMIC	680PF	10%	50V					
C472	1-123-875-11	ELECT	10MF	20%	50V					
C473	1-123-875-11	ELECT	10MF	20%	50V					
C491	1-136-171-00	FILM	0.33MF	5%	50V					
C492	1-130-489-00	MYLAR	0.033MF	5%	50V					
C493	1-124-477-11	ELECT	47MF	20%	25V					
C501	1-124-477-11	ELECT	47MF	20%	25V					
C502	1-124-791-11	ELECT	1MF	20%	50V					
C503	1-164-097-11	CERAMIC	0.022MF		50V					
C504	1-164-097-11	CERAMIC	0.022MF		50V					
C505	1-124-925-11	ELECT	2.2MF	20%	50V					
C507	1-124-791-11	ELECT	1MF	20%	50V					
C508	1-164-097-11	CERAMIC	0.022MF		50V					
C509	1-125-486-11	DOUBLE LAYERS	0.22F		5.5V					
C510	1-164-097-11	CERAMIC	0.022MF		50V					
C511	1-162-286-31	CERAMIC	220PF	10%	50V					
C512	1-162-286-31	CERAMIC	220PF	10%	50V					
C513	1-162-286-31	CERAMIC	220PF	10%	50V					
C514	1-162-286-31	CERAMIC	220PF	10%	50V					
C515	1-162-286-31	CERAMIC	220PF	10%	50V					
C516	1-162-286-31	CERAMIC	220PF	10%	50V					
C517	1-162-286-31	CERAMIC	220PF	10%	50V					
C518	1-161-379-00	CERAMIC	0.01MF	30%	16V					
C521	1-124-477-11	ELECT	47MF	20%	25V					
C523	1-164-097-11	CERAMIC	0.022MF		50V					

Ref.No.	Part No.	Description			
C524	1-164-097-11	CERAMIC	0.022MF		50V
C525	1-164-097-11	(AV1020)...CERAMIC	0.022MF		50V
C578	1-124-927-11	ELECT	4.7MF	20%	50V
C579	1-124-927-11	ELECT	4.7MF	20%	50V
C580	1-124-927-11	ELECT	4.7MF	20%	50V
C581	1-124-927-11	ELECT	4.7MF	20%	50V
C582	1-124-927-11	ELECT	4.7MF	20%	50V
C583	1-124-927-11	ELECT	4.7MF	20%	50V
C584	1-124-927-11	ELECT	4.7MF	20%	50V
C585	1-124-927-11	ELECT	4.7MF	20%	50V
C586	1-123-875-11	ELECT	10MF	20%	50V
C587	1-162-282-31	CERAMIC	100PF	10%	50V
C588	1-123-875-11	ELECT	10MF	20%	50V
C589	1-123-875-11	ELECT	10MF	20%	50V
C590	1-162-294-31	CERAMIC	0.001MF	10%	50V
C591	1-123-875-11	ELECT	10MF	20%	50V
C592	1-123-875-11	ELECT	10MF	20%	50V
C593	1-124-477-11	ELECT	47MF	20%	25V
C594	1-124-477-11	ELECT	47MF	20%	25V
C601	1-124-927-11	ELECT	4.7MF	20%	50V
C602	1-124-927-11	(AV1020)...ELECT	4.7MF	20%	50V
C603	1-162-211-31	(AV1020)...CERAMIC	33PF	5%	50V
C604	1-124-927-11	(AV1020)...ELECT	4.7MF	20%	50V
C621	1-162-282-31	CERAMIC	100PF	10%	50V
C622	1-124-927-11	ELECT	4.7MF	20%	50V
C623	1-124-477-11	ELECT	47MF	20%	25V
C624	1-130-480-00	MYLAR	0.0056MF	5%	50V
C625	1-130-473-00	MYLAR	0.0015MF	5%	50V
C626	1-124-791-11	ELECT	1MF	20%	50V
C627	1-124-477-11	ELECT	47MF	20%	25V
C628	1-162-282-31	CERAMIC	100PF	10%	50V
C631	1-124-927-11	(AV1020)...ELECT	4.7MF	20%	50V
C633	1-124-927-11	ELECT	4.7MF	20%	50V
C634	1-162-294-31	CERAMIC	0.001MF	10%	50V
C635	1-164-097-11	(AV1020)...CERAMIC	0.022MF		50V
C637	1-123-875-11	ELECT	10MF	20%	50V
C641	1-124-464-11	ELECT	0.22MF	20%	50V
C642	1-124-927-11	ELECT	4.7MF	20%	50V
C651	1-124-927-11	ELECT	4.7MF	20%	50V
C671	1-162-282-31	CERAMIC	100PF	10%	50V
C672	1-124-927-11	ELECT	4.7MF	20%	50V
C673	1-124-477-11	ELECT	47MF	20%	25V
C674	1-130-480-00	MYLAR	0.0056MF	5%	50V
C675	1-130-473-00	MYLAR	0.0015MF	5%	50V
C676	1-124-791-11	ELECT	1MF	20%	50V
C677	1-124-477-11	ELECT	47MF	20%	25V
C678	1-162-282-31	CERAMIC	100PF	10%	50V
C681	1-124-927-11	(AV1020)...ELECT	4.7MF	20%	50V
C683	1-124-927-11	ELECT	4.7MF	20%	50V
C685	1-164-097-11	(AV1020)...CERAMIC	0.022MF		50V
C691	1-124-464-11	ELECT	0.22MF	20%	50V
C692	1-124-927-11	ELECT	4.7MF	20%	50V
C701	1-124-927-11	ELECT	4.7MF	20%	50V
C702	1-162-282-31	CERAMIC	100PF	10%	50V
C703	1-102-989-00	CERAMIC	68PF	5%	500V
C704	1-102-316-00	CERAMIC	15PF	5%	500V
C705	1-124-929-11	ELECT	22MF	20%	100V

Ref.No.	Part No.	Description			
C706	1-124-443-00	ELECT	100MF	20%	10V
C707	1-102-230-00	CERAMIC	4PF	0.25PF	500V
C708	1-124-910-11	ELECT	47MF	20%	50V
C709	1-102-233-00	CERAMIC	33PF	10%	500V
C710	1-102-233-00	CERAMIC	33PF	10%	500V
C711	1-136-165-00	FILM	0.1MF	5%	50V
C712	1-136-165-00	FILM	0.1MF	5%	50V
C713	1-130-487-00	(US).....MYLAR	0.022MF	5%	50V
C713	1-130-491-00	(Canadian)...MYLAR	0.047MF	5%	50V
C714	1-130-491-00	(Canadian)...MYLAR	0.047MF	5%	50V
C721	1-136-165-00	FILM	0.1MF	5%	50V
C722	1-124-471-00	ELECT	1000MF	20%	6.3V
C736	1-124-927-11	ELECT	4.7MF	20%	50V
C737	1-162-282-31	CERAMIC	100PF	10%	50V
C738	1-162-282-31	CERAMIC	100PF	10%	50V
C739	1-124-477-11	ELECT	47MF	20%	25V
C740	1-162-191-31	CERAMIC	2.2PF	10%	50V
C741	1-136-165-00	FILM	0.1MF	5%	50V
C742	1-130-487-00	MYLAR	0.022MF	5%	50V
C743	1-123-875-11	ELECT	10MF	20%	50V
C744	1-123-875-11	ELECT	10MF	20%	50V
C751	1-124-927-11	ELECT	4.7MF	20%	50V
C752	1-162-282-31	CERAMIC	100PF	10%	50V
C753	1-102-989-00	CERAMIC	68PF	5%	500V
C754	1-102-316-00	CERAMIC	15PF	5%	500V
C755	1-124-929-11	ELECT	22MF	20%	100V
C756	1-124-443-00	ELECT	100MF	20%	10V
C757	1-102-230-00	CERAMIC	4PF	0.25PF	500V
C758	1-124-910-11	ELECT	47MF	20%	50V
C759	1-102-233-00	CERAMIC	33PF	10%	500V
C760	1-102-233-00	CERAMIC	33PF	10%	500V
C761	1-136-165-00	FILM	0.1MF	5%	50V
C762	1-136-165-00	FILM	0.1MF	5%	50V
C763	1-130-487-00	(US).....MYLAR	0.022MF	5%	50V
C763	1-130-491-00	(Canadian)...MYLAR	0.047MF	5%	50V
C764	1-130-491-00	(Canadian)...MYLAR	0.047MF	5%	50V
C786	1-124-927-11	ELECT	4.7MF	20%	50V
C787	1-162-282-31	CERAMIC	100PF	10%	50V
C788	1-162-282-31	CERAMIC	100PF	10%	50V
C789	1-124-477-11	ELECT	47MF	20%	25V
C790	1-162-191-31	CERAMIC	2.2PF	10%	50V
C791	1-136-165-00	FILM	0.1MF	5%	50V
C792	1-130-487-00	MYLAR	0.022MF	5%	50V
C793	1-123-875-11	ELECT	10MF	20%	50V
C794	1-123-875-11	ELECT	10MF	20%	50V
C801	1-125-479-11	(AV920)...ELECT	10000MF	20%	63V
C801	1-125-616-11	(AV1020)...ELECT	12000MF	20%	71V
C802	1-102-394-11	CERAMIC	0.01MF		250V
C803	1-102-394-11	CERAMIC	0.01MF		250V
C804	1-123-875-11	ELECT	10MF	20%	50V
C805	1-123-875-11	ELECT	10MF	20%	50V
C811	1-164-097-11	CERAMIC	0.022MF		50V
C812	1-164-097-11	CERAMIC	0.022MF		50V
C813	1-124-557-11	ELECT	1000MF	20%	25V
C814	1-124-477-11	ELECT	47MF	20%	25V
C815	1-124-477-11	ELECT	47MF	20%	25V

Ref.No.	Part No.	Description					Ref.No.	Part No.	Description
C816	1-124-791-11	ELECT	1MF	20%	50V		CNP504*1-569-389-11	(AV920)...PIN, CONNECTOR(PC BOARD) 4P	
C817	1-124-464-11	ELECT	0.22MF	20%	50V		CNP504*1-569-797-11	(AV1020)...PIN, CONNECTOR(PC BOARD) 12P	
C818	1-162-282-31	CERAMIC	100PF	10%	50V		CNP505*1-569-388-11	PIN, CONNECTOR (PC BOARD) 3P	
C819	1-164-097-11	CERAMIC	0.022MF		50V		CNP506*1-569-797-11	PIN, CONNECTOR (PC BOARD) 12P	
C831	1-124-563-11	ELECT	2200MF	20%	25V		CNP507*1-569-388-11	PIN, CONNECTOR (PC BOARD) 3P	
C832	1-164-097-11	CERAMIC	0.022MF		50V		CNP508*1-569-388-11	PIN, CONNECTOR (PC BOARD) 3P	
C835	1-124-477-11	ELECT	47MF	20%	25V		CNP509*1-569-395-11	PIN, CONNECTOR (PC BOARD) 10P	
C838	1-124-477-11	ELECT	47MF	20%	25V		CNP604*1-565-258-11	(AV920)...JACK, PIN 4P (TAPE 2 IN/OUT)	
C851	1-125-479-11	(AV920)...ELECT	10000MF	20%	63V		CNP701*1-564-337-00	PIN, CONNECTOR 3P	
C851	1-125-616-11	(AV1020)...ELECT	12000MF	20%	71V		CNP801*1-564-338-00	PIN, CONNECTOR 4P	
C852	1-124-563-11	ELECT	2200MF	20%	25V		CNP802A*1-508-980-11	PIN, CONNECTOR	
C853	1-124-563-11	ELECT	2200MF	20%	25V		CNP802B*1-564-496-11	PIN, CONNECTOR 3P	
C881	1-124-557-11	ELECT	1000MF	20%	25V		CNP901*1-564-321-00	PIN, CONNECTOR 2P	
C882	1-164-097-11	CERAMIC	0.022MF		50V		CP501	1-233-082-11 COMPOSITION CIRCUIT BLOCK	
C885	1-124-477-11	ELECT	47MF	20%	25V		D201	8-719-014-25 DIODE UZP-3.6B	
C901	1-161-744-00	CERAMIC	0.01MF		400V		D202	8-719-912-20 DIODE 1SS120	
CF501	1-577-101-11	VIBRATOR, CERAMIC					D205	8-719-301-52 (AV1020)...DIODE SEL2810A-C(DRLC/POWER)	
CN408	1-562-088-00	SOCKET, CONNECTOR 9P					D206	8-719-301-52 (AV1020)...DIODE SEL2810A-C(DRLC/POWER)	
CN407	*1-568-848-11	SOCKET, CONNECTOR 5P					D207	8-719-303-00 (AV1020)...DIODE SEL2510C (TAPE 2)	
CN550	*1-568-824-11	SOCKET, CONNECTOR 5P					D208	8-719-301-52 (AV1020)...DIODE SEL2810A-C (NORMAL)	
CN655	*1-568-823-11	SOCKET, CONNECTOR 4P					D209	8-719-301-52 (AV1020)...DIODE SEL2810A-C (WIDE)	
CN802	*1-565-482-11	CONNECTOR, BOARD TO BOARD 6P					D210	8-719-301-52 (AV1020)...DIODE SEL2810A-C (PHANTOM)	
CNJ201*1-565-481-11	CONNECTOR, BOARD TO BOARD 5P						D211	8-719-301-52 (AV1020)...DIODE SEL2810A-C (3CH)	
CNJ202	1-565-319-11	JACK, PIN 2P (VIDEO 1 IN/MONITOR VIDEO OUT)					D212	8-719-301-52 DIODE SEL2810A-C (CURSOR MODE SURROUND)	
CNJ203	1-565-319-11	JACK, PIN 2P (VIDEO 2 LD VIDEO IN/VIDEO 1 VIDEO OUT)					D213	8-719-301-52 DIODE SEL2810A-C(CURSOR MODE EQUALIZER)	
CNJ301*1-569-796-11	SOCKET, CONNECTOR 12P						D214	8-719-301-52 DIODE SEL2810A-C (CURSOR MODE TUNER TUNING)	
CNJ302*1-569-381-11	(AV920)..SOCKET, CONNECTOR (PC BOARD)4P						D215	8-719-301-52 DIODE SEL2810A-C (CURSOR MODE TUNER INDEX)	
CNJ302*1-569-796-11	(AV1020)...SOCKET, CONNECTOR 12P						D221	8-719-912-20 DIODE 1SS120	
CNJ303*1-569-380-11	SOCKET,CONNECTOR (PC BOARD) 3P						D222	8-719-912-20 DIODE 1SS120	
CNJ601	1-565-320-11	JACK, PIN 6P (PHONO IN/CD IN/DAT OUT)					D223	8-719-912-20 DIODE 1SS120	
CNJ602	1-565-320-11	JACK, PIN 6P (TAPE 1 IN OUT/DAT IN)					D224	8-719-912-20 DIODE 1SS120	
CNJ603	1-565-320-11	JACK, PIN 6P (VIDEO 2 LD/AUDIO IN VIDEO 1/AUDIO IN/OUT)					D225	8-719-912-20 DIODE 1SS120	
CNJ604	1-565-258-11	(AV920)...JACK, PIN 4P (TAPE 2 IN/OUT)					D226	8-719-912-20 DIODE 1SS120	
CNJ604	1-565-320-81	(AV1020)..JACK, PIN 6P (TAPE 2 IN OUT/CENTER OUT)					D227	8-719-912-20 DIODE 1SS120	
CNJ605	1-566-819-31	JACK 1P (DRLC IN)					D231	8-719-912-20 (AV1020)...DIODE 1SS120	
CNJ606	1-563-136-31	(AV1020)...JACK, PIN 3P (VIDEO 3/INPUT/AUDIO LR/VIDEO)					D234	8-719-912-20 DIODE 1SS120	
CNJ701	1-507-796-71	JACK (HEADPHONES)					D235	8-719-912-20 DIODE 1SS120	
CNJ901	1-540-060-11	OUTLET, AC (POLAR)					D241	8-719-301-52 DIODE SEL2810A-C (DBFB)	
CNP12	*1-564-514-11	PLUG, CONNECTOR 11P					D242	8-719-301-52 DIODE SEL2810A-C (MUTING -20dB)	
CNP18	*1-564-505-11	(AV1020)...PLUG, CONNECTOR 2P					D301	8-719-001-30 (AV1020)...DIODE UZL-9H3	
CNP21	*1-564-509-11	PLUG, CONNECTOR 6P					D401	8-719-303-00 DIODE SEL2510C (VOLUME)	
CNP24	*1-564-505-11	(AV1020)...PLUG, CONNECTOR 2P					D501	8-719-912-20 DIODE 1SS120	
CNP26	*1-564-505-11	PLUG, CONNECTOR 2P					D502	8-719-912-20 DIODE 1SS120	
CNP28	*1-564-506-11	PLUG, CONNECTOR 3P					D503	8-719-912-20 DIODE 1SS120	
CNP30	*1-564-506-11	PLUG, CONNECTOR 3P					D505	8-719-912-20 DIODE 1SS120	
CNP32	*1-564-241-00	PIN, CONNECTOR 4P					D506	8-719-912-20 DIODE 1SS120	
CNP33	*1-564-517-11	PLUG, CONNECTOR 2P					D507	8-719-912-20 DIODE 1SS120	
CNP35	*1-564-521-11	PLUG, CONNECTOR 6P					D508	8-719-912-20 DIODE 1SS120	
CNP38	*1-564-505-11	(AV1020)...PLUG, CONNECTOR 2P					D571	8-719-912-20 DIODE 1SS120	
CNP201*1-569-799-11	PLUG, CONNECTOR 5P						D572	8-719-912-20 DIODE 1SS120	
CNP202*1-568-824-11	SOCKET, CONNECTOR 5P						D574	8-719-912-20 DIODE 1SS120	
CNP408	1-560-943-00	PIN, CONNECTOR 9P					D575	8-719-912-20 DIODE 1SS120	
CNP501*1-564-340-00	PIN, CONNECTOR 6P						D601	8-719-912-20 DIODE 1SS120	
CNP502*1-564-341-11	PIN, CONNECTOR 7P								
CNP503*1-506-503-11	PIN, CONNECTOR 9P								

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
D641	8-719-912-20	DIODE 1SS120	IC307	8-759-801-01	IC LC4966
D642	8-719-912-20	DIODE 1SS120	IC308	8-759-801-01	(AV1020)...IC LC4966
D691	8-719-912-20	DIODE 1SS120	IC309	8-759-633-83	IC M50198P
D692	8-719-912-20	DIODE 1SS120	IC310	8-759-929-37	IC NE646N
D701	8-719-912-20	DIODE 1SS120	IC311	8-759-634-51	IC M5218AP
D703	8-719-912-20	DIODE 1SS120	IC401	8-759-634-50	IC M5218AL
D704	8-719-912-20	DIODE 1SS120	IC402	8-759-634-50	IC M5218AL
D705	8-719-912-20	DIODE 1SS120	IC403	8-759-634-51	IC M5218AP
D706	8-719-912-20	DIODE 1SS120	IC404	8-759-634-51	IC M5218AP
D707	8-719-912-20	DIODE 1SS120	IC405	8-759-634-51	IC M5218AP
D731	8-719-912-20	DIODE 1SS120	IC406	8-759-634-51	IC M5218AP
D732	8-719-912-20	(AV1020)...DIODE 1SS120	IC407	8-759-634-51	IC M5218AP
D733	8-719-912-20	(AV1020)...DIODE 1SS120	IC408	8-759-634-51	IC M5218AP
D748	8-719-912-20	DIODE 1SS120	IC409	8-759-634-51	IC M5218AP
D749	8-719-912-20	DIODE 1SS120	IC410	8-759-820-60	IC LC7520
D751	8-719-912-20	DIODE 1SS120	IC501	8-759-820-62	IC LB1639
D753	8-719-912-20	DIODE 1SS120	IC502	8-759-150-86	IC UPD75516GF-141-3B9
D754	8-719-912-20	DIODE 1SS120	IC503	8-759-801-01	IC LC4966
D781	8-719-912-20	DIODE 1SS120	IC504	8-759-820-11	IC LC7535
D798	8-719-912-20	DIODE 1SS120	IC505	8-759-634-51	IC M5218AP
D799	8-719-912-20	DIODE 1SS120	IC506	8-759-991-11	IC XR1091
D801	8-719-302-37	DIODE RBV-602	IC507	8-759-634-50	IC M5218AL
D802	8-719-934-23	DIODE HZS30-3L	IC508	8-759-500-31	IC X24C01P
D808	8-719-200-82	DIODE 11ES2	IC601	8-759-634-51	IC M5218AP
D809	8-719-200-82	DIODE 11ES2	IC602	8-759-634-50	IC M5218AL
D810	8-719-200-82	DIODE 11ES2	IC603	8-759-634-50	IC M5218AL
D811	8-719-200-82	DIODE 11ES2	IC604	8-759-634-50	IC M5218AL
D812	8-719-912-20	DIODE 1SS120	IC605	8-759-634-50	IC M5218AL
D813	8-719-912-20	DIODE 1SS120	IC606	8-759-805-14	IC LC7822
D814	8-719-933-41	DIODE HZS6C3L	IC607	8-759-805-14	IC LC7822
D815	8-719-933-41	DIODE HZS6C3L	IC608	8-759-801-01	IC LC4966
D816	8-719-914-11	DIODE HZ4ALL	IC609	8-759-634-51	(AV1020)...IC M5218AP
D817	8-719-912-20	DIODE 1SS120	IC701	8-749-920-70	(AV920)...IC STK-3102-MK3
D831	8-719-511-40	DIODE S1VB40	IC701	8-749-921-85	(AV1020)...IC STK-3122-3
D852	8-719-504-60	DIODE S4VB60	IC731	8-749-920-78	IC SI-18751
F851	△.1-532-745-11	FUSE, GLASS TUBE (3.15A 125V)	IC781	8-749-920-78	IC SI-18751
F852	△.1-532-745-11	FUSE, GLASS TUBE (3.15A 125V)	IC831	8-759-604-39	IC M5F78M12
F901	△.1-532-745-11	FUSE, GLASS TUBE (3.15A 125V)	IC832	8-759-604-35	IC M5F78M05
F902	△.1-532-509-00	(Canadian)...FUSE, GLASS TUBE (6.3A 125V)	IC881	8-759-604-45	IC M5F79M12
F902	△.1-532-510-00	(US)...FUSE, GLASS TUBE (8A 125V)	L251	1-410-509-11	INDUCTOR 10UH
FL201	1-519-604-11	INDICATOR TUBE, FLUORESCENT	L301	1-410-521-11	INDUCTOR 100UH
IC201	8-759-990-38	IC MSC1162GS	L501	1-410-521-11	INDUCTOR 100UH
IC202	8-749-920-59	IC A1QH3020S	L502	1-410-521-11	INDUCTOR 100UH
IC203	8-759-633-84	IC M66311P	L503	1-410-521-11	INDUCTOR 100UH
IC204	8-759-921-32	IC SN74HC237N	L701	*1-420-872-00	COIL, AIR CORE
IC205	8-759-202-92	IC TC74HC151P	L731	*1-420-872-00	COIL, AIR CORE
IC251	8-759-991-77	IC BA7625	L751	*1-420-872-00	COIL, AIR CORE
IC301	8-759-634-50	IC M5218AL	L781	*1-420-872-00	COIL, AIR CORE
IC302	8-759-634-50	IC M5218AL	Q201	8-729-900-63	TRANSISTOR DTA124ES
IC303	8-759-634-50	IC M5218AL	Q202	8-729-900-63	TRANSISTOR DTA124ES
IC304	8-759-822-63	(AV1020)...IC LA2775	Q203	8-729-900-36	TRANSISTOR DTC124ES
IC305	8-759-821-99	(AV1020)...IC LA2770	Q204	8-729-900-36	TRANSISTOR DTC124ES
IC306	8-759-801-01	(AV1020)...IC LC4966	Q205	8-729-900-63	TRANSISTOR DTA124ES
			Q206	8-729-900-36	TRANSISTOR DTC124ES
			Q207	8-729-900-36	TRANSISTOR DTC124ES
			Q251	8-729-119-76	TRANSISTOR 2SA1175-HFE
			Q252	8-729-119-76	TRANSISTOR 2SA1175-HFE

Note:

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

Note:

Les composants identifiés par une marque Δ 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
Q301	8-729-900-36	(AV1020)...TRANSISTOR DTC124ES	Q707	8-729-108-14	TRANSISTOR 2SA988-F
Q302	8-729-900-36	(AV1020)...TRANSISTOR DTC124ES	Q708	8-729-108-14	TRANSISTOR 2SA988-F
Q303	8-729-900-36	(AV1020)...TRANSISTOR DTC124ES	Q719	8-729-620-05	TRANSISTOR 2SC2603-EF
Q304	8-729-900-36	(AV1020)...TRANSISTOR DTC124ES	Q721	8-729-140-84	TRANSISTOR 2SA1841-PAFAEA
Q305	8-729-900-36	(AV1020)...TRANSISTOR DTC124ES	Q722	8-729-620-05	TRANSISTOR 2SC2603-EF
Q306	8-729-900-36	(AV1020)...TRANSISTOR DTC124ES	Q723	8-729-620-05	TRANSISTOR 2SC2603-EF
Q311	8-729-620-05	(AV1020)...TRANSISTOR 2SC2603-EF	Q731	8-729-108-14	TRANSISTOR 2SA988-F
Q312	8-729-620-05	(AV1020)...TRANSISTOR 2SC2603-EF	Q732	8-729-900-74	TRANSISTOR DTC143TS
Q313	8-729-620-05	(AV1020)...TRANSISTOR 2SC2603-EF	Q733	8-729-900-80	(AV1020)...TRANSISTOR DTC114ES
Q314	8-729-620-05	(AV1020)...TRANSISTOR 2SC2603-EF	Q753	8-729-141-46	TRANSISTOR 2SC4431-LK
Q321	8-729-900-36	TRANSISTOR DTC124ES	Q754	8-729-141-37	TRANSISTOR 2SA1684-LK
Q322	8-729-900-63	TRANSISTOR DTA124ES	Q755	8-729-320-96	(AV1020)...TRANSISTOR 2SC2921-OPY
Q323	8-729-900-36	TRANSISTOR DTC124ES	Q755	8-729-321-13	(AV920)...TRANSISTOR 2SC4388-OY
Q324	8-729-900-36	TRANSISTOR DTC124ES	Q756	8-729-320-73	(AV1020)...TRANSISTOR 2SA1215-OY
Q325	8-729-900-63	TRANSISTOR DTA124ES	Q756	8-729-321-18	(AV920)...TRANSISTOR 2SA1673-OY
Q326	8-729-900-36	TRANSISTOR DTC124ES	Q757	8-729-108-14	TRANSISTOR 2SA988-F
Q327	8-729-900-36	(AV1020)...TRANSISTOR DTC124ES	Q758	8-729-108-14	TRANSISTOR 2SA988-F
Q328	8-729-900-63	(AV1020)...TRANSISTOR DTA124ES	Q781	8-729-108-14	TRANSISTOR 2SA988-F
Q329	8-729-900-36	(AV1020)...TRANSISTOR DTC124ES	Q782	8-729-620-05	TRANSISTOR 2SC2603-EF
Q331	8-729-141-30	TRANSISTOR 2SC3623A-LK	Q801	8-729-140-96	TRANSISTOR 2SD774-34
Q332	8-729-141-30	(AV1020)...TRANSISTOR 2SC3623A-LK	Q811	8-729-209-15	TRANSISTOR 2SD2012
Q441	8-729-224-61	TRANSISTOR 2SK246Y	Q812	8-729-620-05	TRANSISTOR 2SC2603-EF
Q442	8-729-620-05	TRANSISTOR 2SC2603-EF	Q813	8-729-620-05	TRANSISTOR 2SC2603-EF
Q491	8-729-224-61	TRANSISTOR 2SK246Y	Q814	8-729-119-76	TRANSISTOR 2SA1175-HFE
Q492	8-729-620-05	TRANSISTOR 2SC2603-EF	Q815	8-729-119-76	TRANSISTOR 2SA1175-HFE
Q501	8-729-900-63	TRANSISTOR DTA124ES	Q816	8-729-620-05	TRANSISTOR 2SC2603-EF
Q502	8-729-620-05	TRANSISTOR 2SC2603-EF	R201	1-249-385-11	CARBON 2.2 5% 1/4W
Q503	8-729-900-63	TRANSISTOR DTA124ES	R202	1-249-385-11	CARBON 2.2 5% 1/4W
Q504	8-729-900-63	TRANSISTOR DTA124ES	R203	1-249-427-11	CARBON 6.8K 5% 1/4W
Q505	8-729-900-63	TRANSISTOR DTA124ES	R204	1-249-430-11	CARBON 12K 5% 1/4W
Q506	8-729-900-63	TRANSISTOR DTA124ES	R205	1-249-433-11	CARBON 22K 5% 1/4W
Q507	8-729-900-63	TRANSISTOR DTA124ES	R206	1-249-433-11	CARBON 22K 5% 1/4W
Q508	8-729-900-63	TRANSISTOR DTA124ES	R207	1-249-405-11	CARBON 100 5% 1/4W
Q509	8-729-900-36	TRANSISTOR DTC124ES	R208	1-249-405-11	CARBON 100 5% 1/4W
Q510	8-729-900-63	TRANSISTOR DTA124ES	R209	1-247-887-00	CARBON 220K 5% 1/4W
Q511	8-729-900-36	TRANSISTOR DTC124ES	R210	1-249-411-11	CARBON 330 5% 1/4W
Q512	8-729-900-63	TRANSISTOR DTA124ES	R211	1-249-411-11	CARBON 330 5% 1/4W
Q513	8-729-900-36	TRANSISTOR DTC124ES	R212	1-249-408-11	CARBON 180 5% 1/4W
Q514	8-729-900-36	TRANSISTOR DTC124ES	R213	1-249-410-11	(AV1020)...CARBON 270 5% 1/4W
Q515	8-729-900-63	TRANSISTOR DTA124ES	R214	1-249-410-11	(AV1020)...CARBON 270 5% 1/4W
Q571	8-729-141-30	TRANSISTOR 2SC3623A-LK	R215	1-249-410-11	(AV1020)...CARBON 270 5% 1/4W
Q572	8-729-141-30	TRANSISTOR 2SC3623A-LK	R216	1-249-410-11	(AV1020)...CARBON 270 5% 1/4W
Q573	8-729-119-76	TRANSISTOR 2SA1175-HFE	R217	1-249-410-11	CARBON 270 5% 1/4W
Q601	8-729-141-30	TRANSISTOR 2SC3623A-LK	R218	1-249-410-11	CARBON 270 5% 1/4W
Q602	8-729-900-36	TRANSISTOR DTC124ES	R219	1-249-410-11	CARBON 270 5% 1/4W
Q603	8-729-141-30	(AV1020)...TRANSISTOR 2SC3623A-LK	R220	1-249-410-11	CARBON 270 5% 1/4W
Q641	8-729-141-30	TRANSISTOR 2SC3623A-LK	R221	1-249-411-11	CARBON 330 5% 1/4W
Q642	8-729-141-30	TRANSISTOR 2SC3623A-LK	R222	1-249-411-11	CARBON 330 5% 1/4W
Q651	8-729-141-30	TRANSISTOR 2SC3623A-LK	R223	1-249-411-11	CARBON 330 5% 1/4W
Q691	8-729-141-30	TRANSISTOR 2SC3623A-LK	R224	1-249-411-11	CARBON 330 5% 1/4W
Q692	8-729-141-30	TRANSISTOR 2SC3623A-LK	R225	1-249-411-11	CARBON 330 5% 1/4W
Q701	8-729-209-15	TRANSISTOR 2SD2012	R226	1-249-411-11	CARBON 330 5% 1/4W
Q703	8-729-141-46	TRANSISTOR 2SC4431-LK	R227	1-249-411-11	CARBON 330 5% 1/4W
Q704	8-729-141-37	TRANSISTOR 2SA1684-LK	R228	1-249-411-11	CARBON 330 5% 1/4W
Q705	8-729-320-96	(AV1020)...TRANSISTOR 2SC2921-OPY	R231	1-249-433-11	CARBON 22K 5% 1/4W
Q705	8-729-321-13	(AV920)...TRANSISTOR 2SC4388-OY	R232	1-249-433-11	CARBON 22K 5% 1/4W
Q706	8-729-320-73	(AV1020)...TRANSISTOR 2SA1215-OY			
Q706	8-729-321-18	(AV920)...TRANSISTOR 2SA1673-OY			


Ref.No.	Part No.	Description						
R233	1-249-433-11	CARBON	22K	5%	1/4W			
R234	1-249-433-11	CARBON	22K	5%	1/4W			
R235	1-249-433-11	CARBON	22K	5%	1/4W			
R236	1-249-433-11	CARBON	22K	5%	1/4W			
R237	1-249-433-11	CARBON	22K	5%	1/4W			
R238	1-249-433-11	CARBON	22K	5%	1/4W			
R241	1-249-429-11	CARBON	10K	5%	1/4W			
R242	1-249-423-11	CARBON	3.3K	5%	1/4W			
R243	1-249-413-11	CARBON	470	5%	1/4W			
R244	1-249-413-11	CARBON	470	5%	1/4W			
R245	1-249-426-11	CARBON	5.6K	5%	1/4W			
R246	1-249-433-11	CARBON	22K	5%	1/4W			
R247	1-249-429-11	CARBON	10K	5%	1/4W			
R248	1-249-429-11	CARBON	10K	5%	1/4W			
R249	1-249-429-11	CARBON	10K	5%	1/4W			
R251	1-247-804-11	CARBON	75	5%	1/4W			
R252	1-247-804-11	CARBON	75	5%	1/4W			
R253	1-249-403-11	CARBON	68	5%	1/4W			
R254	1-249-429-11	CARBON	10K	5%	1/4W			
R255	1-249-403-11	CARBON	68	5%	1/4W			
R256	1-249-429-11	CARBON	10K	5%	1/4W			
R259	1-249-405-11	CARBON	100	5%	1/4W			
R260	1-249-405-11	CARBON	100	5%	1/4W			
R261	1-249-405-11	CARBON	100	5%	1/4W			
R262	1-249-405-11	CARBON	100	5%	1/4W			
R265	1-249-437-11	CARBON	47K	5%	1/4W			
R266	1-249-437-11	CARBON	47K	5%	1/4W			
R267	1-247-804-11	(AV1020)...CARBON	75	5%	1/4W			
R301	1-247-887-00	CARBON	220K	5%	1/4W			
R302	1-247-887-00	CARBON	220K	5%	1/4W			
R303	1-249-417-11	CARBON	1K	5%	1/4W			
R304	1-247-887-00	CARBON	220K	5%	1/4W			
R305	1-249-429-11	CARBON	10K	5%	1/4W			
R306	1-247-887-00	(AV1020)...CARBON	220K	5%	1/4W			
R307	1-247-852-11	(AV1020)...CARBON	7.5K	5%	1/4W			
R308	1-249-431-11	(AV1020)...CARBON	15K	5%	1/4W			
R309	1-249-437-11	(AV1020)...CARBON	47K	5%	1/4W			
R310	1-247-895-00	CARBON	470K	5%	1/4W			
R311	1-249-429-11	CARBON	10K	5%	1/4W			
R312	1-249-429-11	CARBON	10K	5%	1/4W			
R313	1-249-441-11	CARBON	100K	5%	1/4W			
R314	1-249-429-11	CARBON	10K	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	(AV1020)...CARBON	10K	5%	1/4W			
R318	1-249-429-11	(AV1020)...CARBON	10K	5%	1/4W			
R319	1-249-429-11	(AV1020)...CARBON	10K	5%	1/4W			
R320	1-249-429-11	(AV1020)...CARBON	10K	5%	1/4W			
R321	1-249-433-11	(AV1020)...CARBON	22K	5%	1/4W			
R322	1-249-433-11	(AV1020)...CARBON	22K	5%	1/4W			
R323	1-249-433-11	(AV1020)...CARBON	22K	5%	1/4W			
R324	1-247-895-00	(AV1020)...CARBON	470K	5%	1/4W			
R325	1-249-441-11	(AV1020)...CARBON	100K	5%	1/4W			
R326	1-249-433-11	(AV1020)...CARBON	22K	5%	1/4W			
R327	1-249-433-11	(AV1020)...CARBON	22K	5%	1/4W			
R328	1-249-433-11	(AV1020)...CARBON	22K	5%	1/4W			
R329	1-249-433-11	(AV1020)...CARBON	22K	5%	1/4W			
R330	1-249-399-11	(AV1020)...CARBON	33	5%	1/4W			
R331	1-249-429-11	CARBON	10K	5%	1/4W			
R333	1-247-887-00	CARBON	220K	5%	1/4W			
R334	1-249-429-11	CARBON	10K	5%	1/4W			
R335	1-249-429-11	CARBON	10K	5%	1/4W			
R336	1-249-441-11	CARBON	100K	5%	1/4W			
R337	1-249-429-11	CARBON	10K	5%	1/4W			
R338	1-249-441-11	CARBON	100K	5%	1/4W			
R339	1-249-437-11	(AV1020)...CARBON	47K	5%	1/4W			
R340	1-249-437-11	CARBON	47K	5%	1/4W			
R341	1-249-437-11	CARBON	47K	5%	1/4W			
R351	1-247-887-00	CARBON	220K	5%	1/4W			
R352	1-247-887-00	CARBON	220K	5%	1/4W			
R353	1-249-417-11	CARBON	1K	5%	1/4W			
R354	1-247-887-00	CARBON	220K	5%	1/4W			
R355	1-249-429-11	CARBON	10K	5%	1/4W			
R356	1-247-887-00	(AV1020)...CARBON	220K	5%	1/4W			
R357	1-247-852-11	(AV1020)...CARBON	7.5K	5%	1/4W			
R358	1-249-431-11	(AV1020)...CARBON	15K	5%	1/4W			
R359	1-249-437-11	(AV1020)...CARBON	47K	5%	1/4W			
R360	1-247-895-00	CARBON	470K	5%	1/4W			
R361	1-249-429-11	CARBON	10K	5%	1/4W			
R362	1-249-429-11	CARBON	10K	5%	1/4W			
R363	1-249-441-11	CARBON	100K	5%	1/4W			
R364	1-249-429-11	CARBON	10K	5%	1/4W			
R365	1-247-887-00	CARBON	220K	5%	1/4W			
R371	1-249-434-11	CARBON	27K	5%	1/4W			
R372	1-249-431-11	CARBON	15K	5%	1/4W			
R373	1-249-429-11	CARBON	10K	5%	1/4W			
R374	1-249-431-11	CARBON	15K	5%	1/4W			
R375	1-249-429-11	CARBON	10K	5%	1/4W			
R376	1-249-431-11	CARBON	15K	5%	1/4W			
R377	1-249-422-11	CARBON	2.7K	5%	1/4W			
R378	1-247-903-00	CARBON	1M	5%	1/4W			
R381	1-247-885-00	CARBON	180K	5%	1/4W			
R382	1-249-437-11	CARBON	47K	5%	1/4W			
R383	1-249-429-11	CARBON	10K	5%	1/4W			
R384	1-249-435-11	CARBON	33K	5%	1/4W			
R385	1-249-433-11	CARBON	22K	5%	1/4W			
R386	1-249-439-11	CARBON	68K	5%	1/4W			
R387	1-249-433-11	CARBON	22K	5%	1/4W			
R389	1-249-423-11	CARBON	3.3K	5%	1/4W			
R390	1-249-408-11	CARBON	180	5%	1/4W			
R391	1-247-889-00	CARBON	270K	5%	1/4W			
R392	1-249-409-11	CARBON	220	5%	1/4W			
R393	1-249-409-11	CARBON	220	5%	1/4W			
R394	1-249-421-11	CARBON	2.2K	5%	1/4W			
R395	1-249-411-11	CARBON	330	5%	1/4W			
R396	1-249-429-11	CARBON	10K	5%	1/4W			
R397	1-249-429-11	(AV1020)...CARBON	10K	5%	1/4W			
R398	1-249-411-11	(AV1020)...CARBON	330	5%	1/4W			
R399	1-249-421-11	(AV1020)...CARBON	2.2K	5%	1/4W			
R401	1-249-441-11	CARBON	100K	5%	1/4W			
R402	1-249-441-11	CARBON	100K	5%	1/4W			
R403	1-247-895-00	CARBON	470K	5%	1/4W			
R404	1-249-429-11	CARBON	10K	5%	1/4W			
R405	1-249-429-11	CARBON	10K	5%	1/4W			

Ref.No.	Part No.	Description				Ref.No.	Part No.	Description			
R406	1-247-895-00	CARBON	470K	5%	1/4W	R476	1-247-881-00	CARBON	120K	5%	1/4W
R407	1-247-903-00	CARBON	1M	5%	1/4W	R477	1-249-415-11	CARBON	680	5%	1/4W
R408	1-247-881-00	CARBON	120K	5%	1/4W	R478	1-249-441-11	CARBON	100K	5%	1/4W
R409	1-249-414-11	CARBON	560	5%	1/4W	R491	1-249-441-11	CARBON	100K	5%	1/4W
R410	1-247-903-00	CARBON	1M	5%	1/4W	R492	1-249-423-11	CARBON	3.3K	5%	1/4W
R411	1-247-881-00	CARBON	120K	5%	1/4W	R493	1-249-427-11	CARBON	6.8K	5%	1/4W
R412	1-249-415-11	CARBON	680	5%	1/4W	R494	1-247-883-00	CARBON	150K	5%	1/4W
R413	1-247-903-00	CARBON	1M	5%	1/4W	R495	1-249-401-11	CARBON	47	5%	1/4W
R414	1-247-881-00	CARBON	120K	5%	1/4W	R501	1-249-437-11	CARBON	47K	5%	1/4W
R415	1-249-414-11	CARBON	560	5%	1/4W	R502	1-249-437-11	CARBON	47K	5%	1/4W
R416	1-247-903-00	CARBON	1M	5%	1/4W	R504	1-249-437-11	CARBON	47K	5%	1/4W
R417	1-247-881-00	CARBON	120K	5%	1/4W	R505	1-249-437-11	CARBON	47K	5%	1/4W
R418	1-249-415-11	CARBON	680	5%	1/4W	R506	1-249-437-11	CARBON	47K	5%	1/4W
R419	1-247-903-00	CARBON	1M	5%	1/4W	R507	1-249-437-11	CARBON	47K	5%	1/4W
R420	1-247-881-00	CARBON	120K	5%	1/4W	R509	1-249-429-11	CARBON	10K	5%	1/4W
R421	1-249-415-11	CARBON	680	5%	1/4W	R510	1-249-429-11	CARBON	10K	5%	1/4W
R422	1-247-903-00	CARBON	1M	5%	1/4W	R511	1-249-429-11	CARBON	10K	5%	1/4W
R423	1-247-881-00	CARBON	120K	5%	1/4W	R512	1-249-429-11	CARBON	10K	5%	1/4W
R424	1-249-415-11	CARBON	680	5%	1/4W	R513	1-249-425-11	CARBON	4.7K	5%	1/4W
R425	1-247-903-00	CARBON	1M	5%	1/4W	R514	1-249-421-11	CARBON	2.2K	5%	1/4W
R426	1-247-881-00	CARBON	120K	5%	1/4W	R516	1-249-425-11	CARBON	4.7K	5%	1/4W
R427	1-249-415-11	CARBON	680	5%	1/4W	R517	1-249-437-11	CARBON	47K	5%	1/4W
R428	1-249-441-11	CARBON	100K	5%	1/4W	R518	1-249-421-11	CARBON	2.2K	5%	1/4W
R431A	1-249-408-11	CARBON	180	5%	1/4W	R521	1-249-437-11	CARBON	47K	5%	1/4W
R431B	1-249-427-11	CARBON	6.8K	5%	1/4W	R522	1-249-437-11	CARBON	47K	5%	1/4W
R432A	1-249-426-11	CARBON	5.6K	5%	1/4W	R523	1-249-437-11	CARBON	47K	5%	1/4W
R432B	1-249-435-11	CARBON	33K	5%	1/4W	R524	1-249-437-11	CARBON	47K	5%	1/4W
R441	1-249-441-11	CARBON	100K	5%	1/4W	R525	1-249-437-11	CARBON	47K	5%	1/4W
R442	1-249-423-11	CARBON	3.3K	5%	1/4W	R526	1-249-437-11	CARBON	47K	5%	1/4W
R443	1-249-427-11	CARBON	6.8K	5%	1/4W	R527	1-249-437-11	CARBON	47K	5%	1/4W
R444	1-247-883-00	CARBON	150K	5%	1/4W	R528	1-249-429-11	CARBON	10K	5%	1/4W
R445	1-249-412-11	CARBON	390	5%	1/4W	R532	1-249-437-11	CARBON	47K	5%	1/4W
R451	1-249-441-11	CARBON	100K	5%	1/4W	R533	1-249-437-11	CARBON	47K	5%	1/4W
R452	1-249-441-11	CARBON	100K	5%	1/4W	R534	1-249-423-11	CARBON	3.3K	5%	1/4W
R453	1-247-895-00	CARBON	470K	5%	1/4W	R535	1-249-429-11	CARBON	10K	5%	1/4W
R454	1-249-429-11	CARBON	10K	5%	1/4W	R536	1-249-429-11	CARBON	10K	5%	1/4W
R455	1-249-429-11	CARBON	10K	5%	1/4W	R537	1-249-429-11	CARBON	10K	5%	1/4W
R456	1-247-895-00	CARBON	470K	5%	1/4W	R538	1-249-429-11	CARBON	10K	5%	1/4W
R457	1-247-903-00	CARBON	1M	5%	1/4W	R540	1-249-441-11	CARBON	100K	5%	1/4W
R458	1-247-881-00	CARBON	120K	5%	1/4W	R541	1-249-429-11	CARBON	10K	5%	1/4W
R459	1-249-414-11	CARBON	560	5%	1/4W	R542	1-249-429-11	CARBON	10K	5%	1/4W
R460	1-247-903-00	CARBON	1M	5%	1/4W	R543	1-249-429-11	CARBON	10K	5%	1/4W
R461	1-247-881-00	CARBON	120K	5%	1/4W	R547	1-249-429-11	CARBON	10K	5%	1/4W
R462	1-249-415-11	CARBON	680	5%	1/4W	R548	1-249-429-11	CARBON	10K	5%	1/4W
R463	1-247-903-00	CARBON	1M	5%	1/4W	R551	1-249-405-11	CARBON	100	5%	1/4W
R464	1-247-881-00	CARBON	120K	5%	1/4W	R552	1-249-402-11	CARBON	56	5%	1/4W
R465	1-249-414-11	CARBON	560	5%	1/4W	R560	1-249-405-11	CARBON	100	5%	1/4W
R466	1-247-903-00	CARBON	1M	5%	1/4W	R576	1-249-425-11	CARBON	4.7K	5%	1/4W
R467	1-247-881-00	CARBON	120K	5%	1/4W	R577	1-249-425-11	CARBON	4.7K	5%	1/4W
R468	1-249-415-11	CARBON	680	5%	1/4W	R578	1-247-887-00	CARBON	220K	5%	1/4W
R469	1-247-903-00	CARBON	1M	5%	1/4W	R579	1-249-429-11	CARBON	10K	5%	1/4W
R470	1-247-881-00	CARBON	120K	5%	1/4W	R580	1-249-435-11	CARBON	33K	5%	1/4W
R471	1-249-415-11	CARBON	680	5%	1/4W	R581	1-247-887-00	CARBON	220K	5%	1/4W
R472	1-247-903-00	CARBON	1M	5%	1/4W	R582	1-249-429-11	CARBON	10K	5%	1/4W
R473	1-247-881-00	CARBON	120K	5%	1/4W	R583	1-249-435-11	CARBON	33K	5%	1/4W
R474	1-249-415-11	CARBON	680	5%	1/4W	R586	1-249-417-11	CARBON	1K	5%	1/4W
R475	1-247-903-00	CARBON	1M	5%	1/4W	R587	1-247-885-00	CARBON	180K	5%	1/4W

Ref.No.	Part No.	Description			
R588	1-249-429-11	CARBON	10K	5%	1/4W
R589	1-249-431-11	CARBON	15K	5%	1/4W
R590	1-249-417-11	CARBON	1K	5%	1/4W
R591	1-249-419-11	CARBON	1.5K	5%	1/4W
R592	1-249-441-11	CARBON	100K	5%	1/4W
R593	1-249-427-11	CARBON	6.8K	5%	1/4W
R594	1-249-426-11	CARBON	5.6K	5%	1/4W
R601	1-249-411-11	CARBON	330	5%	1/4W
R602	1-249-433-11	CARBON	22K	5%	1/4W
R603	1-249-417-11	CARBON	1K	5%	1/4W
R604	1-249-417-11	CARBON	1K	5%	1/4W
R605	1-249-417-11	CARBON	1K	5%	1/4W
R606	1-249-417-11	CARBON	1K	5%	1/4W
R607	1-249-427-11	CARBON	6.8K	5%	1/4W
R608	1-249-417-11	CARBON	1K	5%	1/4W
R609	1-249-417-11	CARBON	1K	5%	1/4W
R610	1-249-417-11	CARBON	1K	5%	1/4W
R611	1-249-417-11	CARBON	1K	5%	1/4W
R612	1-249-437-11	CARBON	47K	5%	1/4W
R613	1-249-441-11	(AV1020)...CARBON	100K	5%	1/4W
R614	1-249-434-11	(AV1020)...CARBON	27K	5%	1/4W
R615	1-249-413-11	(AV1020)...CARBON	470	5%	1/4W
R616	1-249-434-11	(AV1020)...CARBON	27K	5%	1/4W
R617	1-249-437-11	CARBON	47K	5%	1/4W
R618	1-249-437-11	CARBON	47K	5%	1/4W
R619	1-249-437-11	CARBON	47K	5%	1/4W
R620	1-249-437-11	CARBON	47K	5%	1/4W
R621	1-249-441-11	CARBON	100K	5%	1/4W
R622	1-249-441-11	CARBON	100K	5%	1/4W
R623	1-249-417-11	CARBON	1K	5%	1/4W
R624	1-247-897-11	CARBON	560K	5%	1/4W
R625	1-249-437-11	CARBON	47K	5%	1/4W
R626	1-249-441-11	CARBON	100K	5%	1/4W
R627	1-249-409-11	CARBON	220	5%	1/4W
R628	1-249-437-11	CARBON	47K	5%	1/4W
R629	1-249-437-11	CARBON	47K	5%	1/4W
R630	1-249-423-11	(AV1020)...CARBON	3.3K	5%	1/4W
R631	1-249-437-11	CARBON	47K	5%	1/4W
R632	1-249-437-11	CARBON	47K	5%	1/4W
R633	1-249-417-11	(AV1020)...CARBON	1K	5%	1/4W
R634	1-247-887-00	(AV1020)...CARBON	220K	5%	1/4W
R635	1-249-425-11	CARBON	4.7K	5%	1/4W
R636	1-249-425-11	CARBON	4.7K	5%	1/4W
R637	1-249-421-11	CARBON	2.2K	5%	1/4W
R638	1-249-429-11	CARBON	10K	5%	1/4W
R639	1-249-441-11	CARBON	100K	5%	1/4W
R640	1-249-437-11	CARBON	47K	5%	1/4W
R641	1-249-417-11	(AV1020)...CARBON	1K	5%	1/4W
R642	1-249-417-11	(AV1020)...CARBON	1K	5%	1/4W
R643	1-247-903-00	CARBON	1M	5%	1/4W
R644	1-249-419-11	CARBON	1.5K	5%	1/4W
R645	1-249-433-11	CARBON	22K	5%	1/4W
R646	1-249-417-11	CARBON	1K	5%	1/4W
R647	1-249-405-11	CARBON	100	5%	1/4W
R648	1-249-429-11	CARBON	10K	5%	1/4W
R649	1-249-417-11	CARBON	1K	5%	1/4W
R650	1-249-417-11	(AV1020)...CARBON	1K	5%	1/4W

Ref.No.	Part No.	Description			
R651	1-249-411-11	CARBON	330	5%	1/4W
R652	1-249-433-11	CARBON	22K	5%	1/4W
R653	1-249-417-11	CARBON	1K	5%	1/4W
R654	1-249-417-11	CARBON	1K	5%	1/4W
R655	1-249-417-11	CARBON	1K	5%	1/4W
R656	1-249-417-11	CARBON	1K	5%	1/4W
R657	1-249-427-11	CARBON	6.8K	5%	1/4W
R658	1-249-417-11	CARBON	1K	5%	1/4W
R659	1-249-417-11	CARBON	1K	5%	1/4W
R660	1-249-417-11	CARBON	1K	5%	1/4W
R661	1-249-417-11	CARBON	1K	5%	1/4W
R662	1-249-437-11	CARBON	47K	5%	1/4W
R663	1-249-441-11	(AV1020)...CARBON	100K	5%	1/4W
R665	1-249-405-11	CARBON	100	5%	1/4W
R666	1-249-405-11	CARBON	100	5%	1/4W
R667	1-249-437-11	CARBON	47K	5%	1/4W
R668	1-249-437-11	CARBON	47K	5%	1/4W
R669	1-249-437-11	CARBON	47K	5%	1/4W
R670	1-249-437-11	CARBON	47K	5%	1/4W
R671	1-249-441-11	CARBON	100K	5%	1/4W
R672	1-249-441-11	CARBON	100K	5%	1/4W
R673	1-249-417-11	CARBON	1K	5%	1/4W
R674	1-247-897-11	CARBON	560K	5%	1/4W
R675	1-249-437-11	CARBON	47K	5%	1/4W
R676	1-249-441-11	CARBON	100K	5%	1/4W
R677	1-249-409-11	CARBON	220	5%	1/4W
R678	1-249-437-11	CARBON	47K	5%	1/4W
R679	1-249-437-11	CARBON	47K	5%	1/4W
R680	1-249-405-11	CARBON	100	5%	1/4W
R681	1-249-437-11	CARBON	47K	5%	1/4W
R682	1-249-437-11	CARBON	47K	5%	1/4W
R683	1-249-417-11	(AV1020)...CARBON	1K	5%	1/4W
R684	1-247-887-00	(AV1020)...CARBON	220K	5%	1/4W
R685	1-249-425-11	CARBON	4.7K	5%	1/4W
R686	1-249-405-11	CARBON	100	5%	1/4W
R687	1-249-421-11	CARBON	2.2K	5%	1/4W
R688	1-249-429-11	CARBON	10K	5%	1/4W
R689	1-249-441-11	CARBON	100K	5%	1/4W
R690	1-249-437-11	CARBON	47K	5%	1/4W
R691	1-249-429-11	CARBON	10K	5%	1/4W
R692	1-249-417-11	(AV1020)...CARBON	1K	5%	1/4W
R693	1-247-903-00	CARBON	1M	5%	1/4W
R694	1-249-419-11	CARBON	1.5K	5%	1/4W
R695	1-249-433-11	CARBON	22K	5%	1/4W
R696	1-249-417-11	CARBON	1K	5%	1/4W
R697	1-249-405-11	CARBON	100	5%	1/4W
R698	1-249-429-11	CARBON	10K	5%	1/4W
R699	1-249-417-11	CARBON	1K	5%	1/4W
R701	1-249-417-11	CARBON	1K	5%	1/4W
R702	1-249-438-11	CARBON	56K	5%	1/4W
R703	1-249-413-11	CARBON	470	5%	1/4W
R704	△ 1-249-401-11	CARBON	47	5%	1/4W F
R705	1-249-410-11	CARBON	270	5%	1/4W
R706	1-249-438-11	CARBON	56K	5%	1/4W
R707	1-249-417-11	CARBON	1K	5%	1/4W
R708	1-249-412-11	CARBON	390	5%	1/4W
R709	△ 1-249-393-11	CARBON	10	5%	1/4W F

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					
R710	△,1-249-393-11	CARBON	10	5%	1/4W	F	
R711	△,1-247-704-11	CARBON	220	5%	1/4W	F	
R713	△,1-247-688-11	CARBON	10	5%	1/4W	F	
R714	△,1-247-688-11	CARBON	10	5%	1/4W	F	
R715	1-214-789-00	RES, METAL PLATE 0.1					
R716	1-214-789-00	RES, METAL PLATE 0.1					
R717	1-249-419-11	CARBON	1.5K	5%	1/4W		
R718	1-249-431-11	CARBON	15K	5%	1/4W		
R719	1-249-419-11	CARBON	1.5K	5%	1/4W		
R720	1-249-431-11	CARBON	15K	5%	1/4W		
R721	1-249-482-11	CARBON	4.7	5%	1/2W		
R722	1-247-727-11	CARBON	10	5%	1/2W		
R723	△,1-216-431-11	METAL OXIDE	560	5%	1W	F	
R725	1-249-417-11	CARBON	1K	5%	1/4W		
R726	1-249-429-11	CARBON	10K	5%	1/4W		
R727	1-249-437-11	CARBON	47K	5%	1/4W		
R728	1-249-436-11	CARBON	39K	5%	1/4W		
R729	1-249-434-11	CARBON	27K	5%	1/4W		
R730	1-249-433-11	CARBON	22K	5%	1/4W		
R731	1-249-437-11	CARBON	47K	5%	1/4W		
R732	△,1-216-428-00	METAL OXIDE	180	5%	1W	F	
R736	1-249-417-11	CARBON	1K	5%	1/4W		
R737	1-249-439-11	CARBON	68K	5%	1/4W		
R738	1-249-419-11	CARBON	1.5K	5%	1/4W		
R739	1-249-439-11	CARBON	68K	5%	1/4W		
R740	1-249-423-11	CARBON	3.3K	5%	1/4W		
R741	1-249-431-11	CARBON	15K	5%	1/4W		
R742	1-217-151-00	RES, METAL PLATE 0.22					
R743	1-249-389-11	CARBON	4.7	5%	1/4W		
R744	△,1-249-393-11	CARBON	10	5%	1/4W	F	
R745	1-249-434-11	CARBON	27K	5%	1/4W		
R746	1-249-437-11	(AV1020)...CARBON	47K	5%	1/4W		
R747	1-249-417-11	(AV1020)...CARBON	1K	5%	1/4W		
R748	△,1-215-865-11	METAL OXIDE	220	5%	1W	F	
R749	1-249-437-11	CARBON	47K	5%	1/4W		
R751	1-249-417-11	CARBON	1K	5%	1/4W		
R752	1-249-438-11	CARBON	56K	5%	1/4W		
R753	1-249-413-11	CARBON	470	5%	1/4W		
R754	△,1-249-401-11	CARBON	47	5%	1/4W	F	
R755	1-249-410-11	CARBON	270	5%	1/4W		
R756	1-249-438-11	CARBON	56K	5%	1/4W		
R757	1-249-417-11	CARBON	1K	5%	1/4W		
R758	1-249-412-11	CARBON	390	5%	1/4W		
R759	△,1-249-393-11	CARBON	10	5%	1/4W	F	
R760	△,1-249-393-11	CARBON	10	5%	1/4W	F	
R761	△,1-247-704-11	CARBON	220	5%	1/4W	F	
R763	△,1-247-688-11	CARBON	10	5%	1/4W	F	
R764	△,1-247-688-11	CARBON	10	5%	1/4W	F	
R765	1-214-789-00	RES, METAL PLATE 0.1					
R766	1-214-789-00	RES, METAL PLATE 0.1					
R767	1-249-419-11	CARBON	1.5K	5%	1/4W		
R768	1-249-431-11	CARBON	15K	5%	1/4W		
R769	1-249-419-11	CARBON	1.5K	5%	1/4W		
R770	1-249-431-11	CARBON	15K	5%	1/4W		
R771	1-249-482-11	CARBON	4.7	5%	1/2W		
R772	1-247-727-11	CARBON	10	5%	1/2W		
R773	△,1-216-431-11	METAL OXIDE	560	5%	1W	F	
R786	1-249-417-11	CARBON	1K	5%	1/4W		
R787	1-249-439-11	CARBON	68K	5%	1/4W		
R788	1-249-419-11	CARBON	1.5K	5%	1/4W		
R789	1-249-439-11	CARBON	68K	5%	1/4W		
R790	1-249-423-11	CARBON	3.3K	5%	1/4W		
R791	1-249-431-11	CARBON	15K	5%	1/4W		
R792	1-217-151-00	RES, METAL PLATE 0.22					
R793	1-249-389-11	CARBON	4.7	5%	1/4W		
R794	△,1-249-393-11	CARBON	10	5%	1/4W	F	
R795	1-249-433-11	CARBON	22K	5%	1/4W		
R798	△,1-215-865-11	METAL OXIDE	220	5%	1W	F	
R799	1-249-437-11	CARBON	47K	5%	1/4W		
R801	△,1-249-409-11	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		
R832	1-249-385-11	CARBON	2.2	5%	1/4W		
R834	1-249-385-11	CARBON	2.2	5%	1/4W		
R835	△,1-212-367-11	METAL OXIDE	3.9	5%	1W	F	
R836	△,1-215-859-00	METAL OXIDE	22	5%	1W	F	
R901	1-202-725-00	SOLID	3.3M	10%	1/2W		
RT701	1-238-011-11	RES, ADJ, CARBON 470					
RT751	1-238-011-11	RES, ADJ, CARBON 470					
RV401	1-238-655-21	RES, VAR, CARBON 100KX4 (VOLUME)					
RV402	1-238-965-11	RES, VAR, CARBON 100K/100K(BALANCE L/R)					
RV403	1-238-964-11	RES, VAR, CARBON 100K (INPUT BALANCE)					
RY601	1-515-726-11	RELAY					
RY701	1-515-732-11	RELAY					
RY702	1-515-726-11	(AV1020)...RELAY					
RY731	1-515-616-11	RELAY					
RY781	1-515-616-11	RELAY					
RY901	1-515-701-11	RELAY					
S201	1-554-303-21	SWITCH, KEY BOARD (POWER ON/STANDBY)					
S202	1-554-303-21	SWITCH, KEY BOARD (DRLC/POWER)					
S203	1-554-303-21	SWITCH, KEY BOARD (SURROUND)					
S204	1-554-303-21	SWITCH, KEY BOARD (EQUALIZER)					
S205	1-554-303-21	SWITCH, KEY BOARD (TUNING)					
S206	1-554-303-21	SWITCH, KEY BOARD (INDEX)					
S207	1-554-303-21	SWITCH, KEY BOARD (PRESET TUNING +)					
S208	1-554-303-21	SWITCH, KEY BOARD (PRESET TUNING -)					
S209	1-554-303-21	SWITCH, KEY BOARD (INDEX TUNING +)					
S210	1-554-303-21	SWITCH, KEY BOARD (INDEX TUNING -)					
S211	1-554-303-21	SWITCH, KEY BOARD (PGM SET)					
S212	1-554-303-21	SWITCH, KEY BOARD (SOUND FIELD RECALL)					
S213	1-554-303-21	SWITCH, KEY BOARD (TUNING DIRECT)					
S214	1-554-303-21	SWITCH, KEY BOARD(SOUND FIELD PRESET +)					
S215	1-554-303-21	SWITCH, KEY BOARD(SOUND FIELD PRESET -)					

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
S216	1-554-303-21	SWITCH, KEY BOARD (Δ)
S217	1-554-303-21	SWITCH, KEY BOARD (∇)
S218	1-554-303-21	SWITCH, KEY BOARD (3)
S219	1-554-303-21	SWITCH, KEY BOARD (6)
S220	1-554-303-21	SWITCH, KEY BOARD (9)
S221	1-554-303-21	SWITCH, KEY BOARD (SHIFT)
S222	1-554-303-21	SWITCH, KEY BOARD (\triangleright)
S223	1-554-303-21	SWITCH, KEY BOARD (\triangleleft)
S224	1-554-303-21	SWITCH, KEY BOARD (2)
S225	1-554-303-21	SWITCH, KEY BOARD (5)
S226	1-554-303-21	SWITCH, KEY BOARD (6)
S227	1-554-303-21	SWITCH, KEY BOARD (0)
S228	1-554-303-21	SWITCH, KEY BOARD (PRESET SF LINK ON/OFF)
S229	1-554-303-21	SWITCH, KEY BOARD (TUNER INDEX SELECT)
S230	1-554-303-21	SWITCH, KEY BOARD (TUNER FM/AM)
S231	1-554-303-21	SWITCH, KEY BOARD (TUNER FM MODE)
S232	1-554-303-21	SWITCH, KEY BOARD (1)
S233	1-554-303-21	SWITCH, KEY BOARD (4)
S234	1-554-303-21	SWITCH, KEY BOARD (7)
S235	1-554-303-21	SWITCH, KEY BOARD (MEMORY)
S236	1-554-303-21	SWITCH, KEY BOARD (DISPLAY EQ/RTA/PEAK)
S237	1-554-303-21	SWITCH, KEY BOARD (DISPLAY FREQ/INDEX/DEMO)
S238	1-554-303-21	SWITCH, KEY BOARD (EQUALIZER ON/OFF)
S239	1-554-303-21	SWITCH, KEY BOARD (EQUALIZER FLAT)
S240	1-554-303-21	SWITCH, KEY BOARD (PHONO)
S241	1-554-303-21	SWITCH, KEY BOARD (TUNER)
S242	1-554-303-21	SWITCH, KEY BOARD (CD)
S243	1-554-303-21	SWITCH, KEY BOARD (DAT)
S244	1-554-303-21	SWITCH, KEY BOARD (SURROUND ON/OFF)
S245	1-554-303-21	SWITCH, KEY BOARD (SURROUND MODE)
S246	1-554-303-21	(AV1020)...SWITCH, KEY BOARD (EDIT VIDEO)
S247	1-554-303-21	(AV1020)...SWITCH, KEY BOARD (EDIT AUDIO)
S248	1-554-303-21	(AV1020)...SWITCH, KEY BOARD (VIDEO 1)
S248	1-554-303-21	(AV920)...SWITCH, KEY BOARD (VIDEO 2 MONITOR)
S249	1-554-303-21	(AV1020)...SWITCH, KEY BOARD (VIDEO 2/LD)
S249	1-554-303-21	(AV920)...SWITCH, KEY BOARD (VIDEO 1)
S250	1-554-303-21	(AV1020)...SWITCH, KEY BOARD (VIDEO 3)
S250	1-554-303-21	(AV920)...SWITCH, KEY BOARD (VIDEO 2/LD)
S251	1-554-303-21	SWITCH, KEY BOARD (TAPE 1)
S252	1-554-303-21	(AV1020)...SWITCH, KEY BOARD (TAPE 2 MONITOR)

Ref.No.	Part No.	Description
S253	1-554-303-21	(AV1020)...SWITCH, KEY BOARD (DOLBY PRO LOGIC TEST TONE)
S254	1-554-303-21	(AV1020)...SWITCH, KEY BOARD (DOLBY PRO LOGIC MODE)
S254	1-554-303-21	(AV920)...SWITCH, KEY BOARD (EDIT AUDIO)
S255	1-554-303-21	SWITCH, KEY BOARD (MUTING -20dB)
S256	1-554-303-21	SWITCH, KEY BOARD (DBFB)
S701-1	1-572-291-11	SWITCH, ROTARY SLIDE (SPEAKER A+B OFF A/B)
S701-2	1-572-322-11	SWITCH, SLIDE
T802	Δ .1-449-996-11	(AV920)...TRANSFORMER, POWER
T802	Δ .1-449-997-11	(AV1020)...TRANSFORMER, POWER
T901	Δ .1-448-517-21	TRANSFORMER, POWER
TB701	1-536-706-00	TERMINAL BOARD (SP) (SPEAKER A/B)
TB702	1-536-706-00	TERMINAL BOARD (SP) (SURROUND/DRLC SPEAKER)
TP701	*1-560-060-00	PIN, CONNECTOR 2P
TP751	*1-560-060-00	PIN, CONNECTOR 2P
TP801	*1-535-114-00	TERMINAL
VZ901	1-807-293-11	VARISTOR (SNR-14A 140K)
X301	1-567-818-21	VIBRATOR, CERAMIC (3.58MHz)

ACCESSORY & PACKING MATERIAL

1-417-141-11	(AV1020)...MATCHING TRANSFORMER, ANTENNA
1-465-417-11	(AV1020)...REMOTE COMMANDER (RM-P301)
1-465-422-11	(AV920)...REMOTE COMMANDER (RM-U201)
1-501-224-00	ANTENNA, FEEDER
1-501-374-11	ANTENNA, LOOP
*3-704-350-01	SHEET (STANDARD), PROTECTION
3-751-885-21	MANUAL, INSTRUCTION
3-751-885-31	(Canadian)...MANUAL, INSTRUCTION
*4-924-994-11	CUSHION (BOTTOM)
*4-924-995-01	CUSHION (TOP)
4-925-079-01	COVER (6), BATTERY
*4-938-144-01	(AV1020)...INDIVIDUAL CARTON
*4-938-145-01	(AV920)...INDIVIDUAL CARTON

Note:

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

Note:

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

STR-AV920/AV1020

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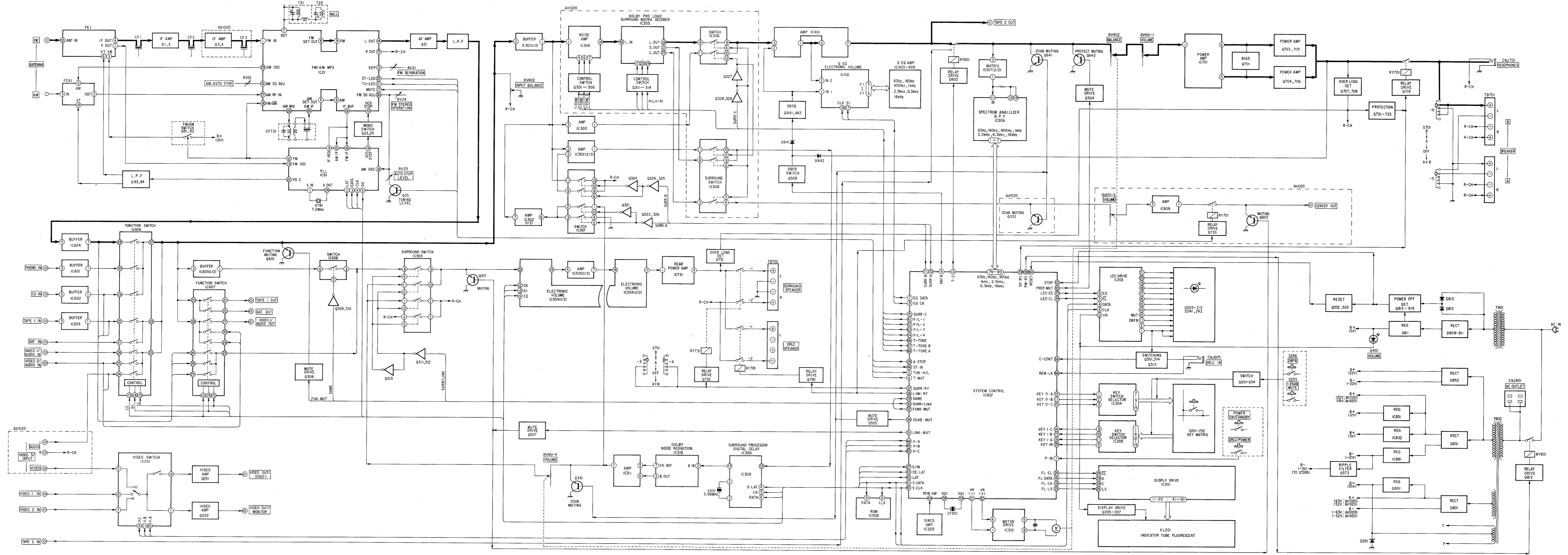
US Model
Canadian Model

SUPPLEMENT-1

File this Supplement with the Service Manual.

Block Diagram

BLOCK DIAGRAM



STR-AV920/AV1020

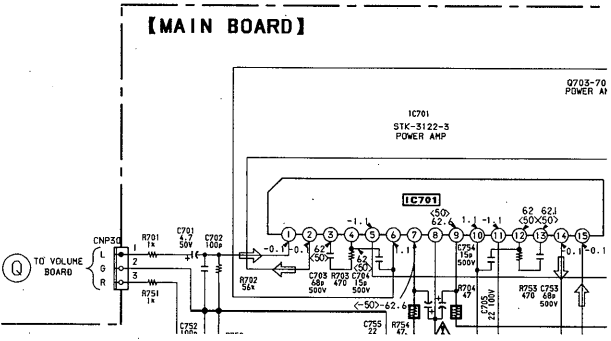
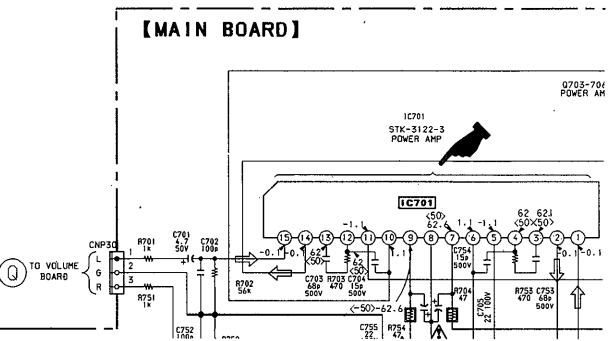
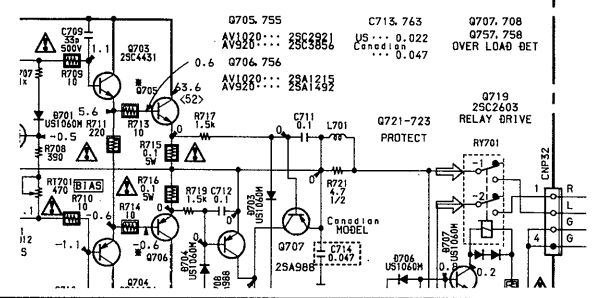
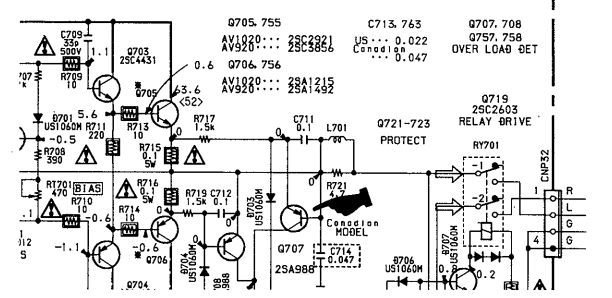
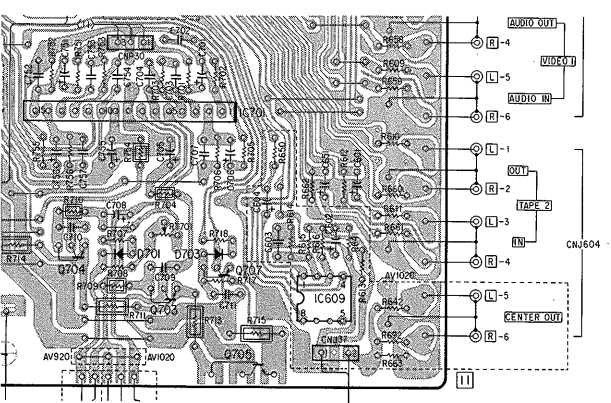
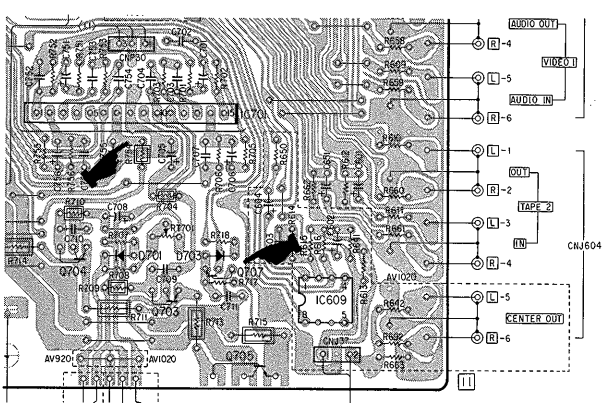
SONY SERVICE MANUAL

US Model
Canadian Model

CORRECTION-1

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 : corrected portion

Page	Incorrect	Correct												
20	<p>3-4. SCHEMATIC DIAGRAM</p> <p>[MAIN BOARD]</p> 	<p>[MAIN BOARD]</p> 												
21														
17	<p>3-3. PRINTED WIRING BOARDS</p> <p>[MAIN BOARD]</p> 	<p>[MAIN BOARD]</p> 												
63	<p>5. ELECTRICAL PARTS LIST</p> <table border="1"> <thead> <tr> <th>Ref. No.</th> <th>Parts No.</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Q721</td> <td>8-729-140-84</td> <td>TRANSISTOR 2SA1841-PAFAEA</td> </tr> </tbody> </table>	Ref. No.	Parts No.	Description	Q721	8-729-140-84	TRANSISTOR 2SA1841-PAFAEA	<table border="1"> <thead> <tr> <th>Ref. No.</th> <th>Parts No.</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Q721</td> <td>8-729-140-84</td> <td>TRANSISTOR 2SC1841-PAFAEA</td> </tr> </tbody> </table>	Ref. No.	Parts No.	Description	Q721	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA
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