

STR-DE197

SERVICE MANUAL

Ver. 1.5 2007. 05

US Model
Canadian Model
AEP Model



Photo: Black type

SPECIFICATIONS

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

(Models of area code US only)

With 8 ohm loads, both channels driven, from 20 – 20,000 Hz; rated 100 watts per channel minimum RMS power, with no more than 0.09 % total harmonic distortion from 250 milliwatts to rated output.

Amplifier section

POWER OUTPUT

Models of area code US, CND

Power Output at Stereo Mode
(8 ohms 1 kHz, THD 0.7 %)

125 W + 125 W¹⁾

Models of area code AEP

Power Output at Stereo Mode
(8 ohms 1 kHz, THD 0.7 %)

100 W + 100 W¹⁾

1) Measured under the following conditions:

Area code	Power requirements
US, CND	120 V AC, 60 Hz
AEP	230 V AC, 50 Hz

Frequency response

CD, MD/TAPE,	20 Hz – 50 kHz
VIDEO 1, 2	+0/-0.5 dB (with bass boost and tone bypassed)

Inputs (Analog)

CD, MD/TAPE,	Sensitivity: 500 mV
VIDEO 1, 2	Impedance: 50 kilohms
	S/N ²⁾ : 85 dB
	(A, 500 mV ³⁾)

2) INPUT SHORT (with bass boost and tone bypassed).

3) Weighted network, input level.

Outputs (Analog)

MD/TAPE (OUT),	Voltage: 500 mV
VIDEO 1 (AUDIO OUT)	Impedance: 10 kilohms

Bass Boost:	+8 dB at 70 Hz
Tone:	±10 dB at 100 Hz and 10 kHz

FM tuner section

Tuning range	87.5 – 108.0 MHz
Antenna	FM wire antenna
Antenna terminals	75 ohms, unbalanced
Intermediate frequency	10.7 MHz
Sensitivity	
Mono:	18.3 dBf, 2.2 µV/75 ohms
Stereo:	38.3 dBf, 22.5 µV/75 ohms
Usable sensitivity	11.2 dBf, 1 µV/75 ohms
S/N	
Mono:	76 dB
Stereo:	70 dB
Harmonic distortion at 1 kHz	
Mono:	0.3%
Stereo:	0.5%
Separation	45 dB at 1 kHz
Frequency response	30 Hz – 15 kHz, +0.5/-2 dB
Selectivity	60 dB at 400 kHz

– Continued on next page –

FM STEREO/FM-AM RECEIVER

9-877-864-06

2007E04-1

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Sony Corporation

Home Audio Division

Published by Sony Techno Create Corporation

SONY®

AM tuner section

Tuning range	
Models of area code US, CND	
With 10-kHz tuning scale: 530 – 1,710 kHz ⁴⁾	
With 9-kHz tuning scale: 531 – 1,710 kHz ⁴⁾	
Models of area code AEP	
With 9-kHz tuning scale: 531 – 1,602 kHz	
Antenna	Loop antenna
Intermediate frequency	450 kHz
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	
At 9 kHz:	35 dB
At 10 kHz:	40 dB

4) You can change the AM tuning scale to 9 kHz or 10 kHz. After tuning in any AM station, turn off the receiver. Hold down PRESET TUNING + and press I/⏏. All preset stations will be erased when you change the tuning scale. To reset the scale to 10 kHz (or 9 kHz), repeat the procedure.

General

Power requirements	
Area code	Power consumption
US, CND	120 V AC, 60 Hz
AEP	230 V AC, 50/60 Hz

Power consumption	
Area code	Power consumption
US	190 W
CND	270 VA
AEP	210 W

Power consumption (during standby mode)	
0.5 W	

AC outlets	
Area code	AC outlets
US, CND	1 switched, 120 W/1A MAX
AEP	1 switched, 100 W MAX

Dimensions	430 × 132.5 × 302 mm
	(17 × 5 1/4 × 11 7/8 inches) including projecting parts and controls
Mass (Approx.)	7.0 kg (15 lb 7 oz)

Supplied accessories

- FM wire antenna (1)
- AM loop antenna (1)
- Remote commander RM-U185 (1)
- R6 (size-AA) batteries (2)

Design and specifications are subject to change without notice.

- Abbreviation
- CND: Canadian model

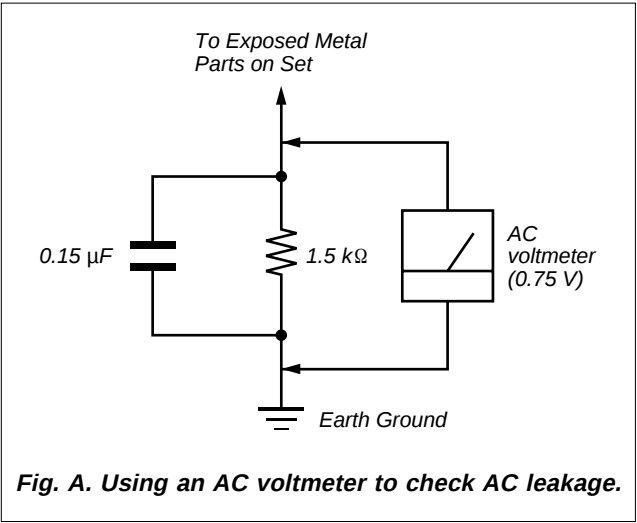
SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer: Check the antenna terminals, metal trim, “metallized” knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). 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)



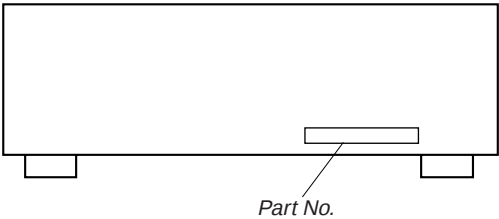
SAFETY-RELATED COMPONENT WARNING!!

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.

MODEL IDENTIFICATION
— BACK PANEL —



MODEL	PART No.
US	4-253-299-0□
AEP	4-253-299-1□
CND	4-253-299-3□

- Abbreviation
CND: Canadian model

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This section is extracted
from instruction manual.

List of button locations and reference pages

How to use page 28 and 29
Use this page to find the location of buttons that are mentioned in the text.

Illustration number

↓

DISPLAY **6** (13, 15)

↑

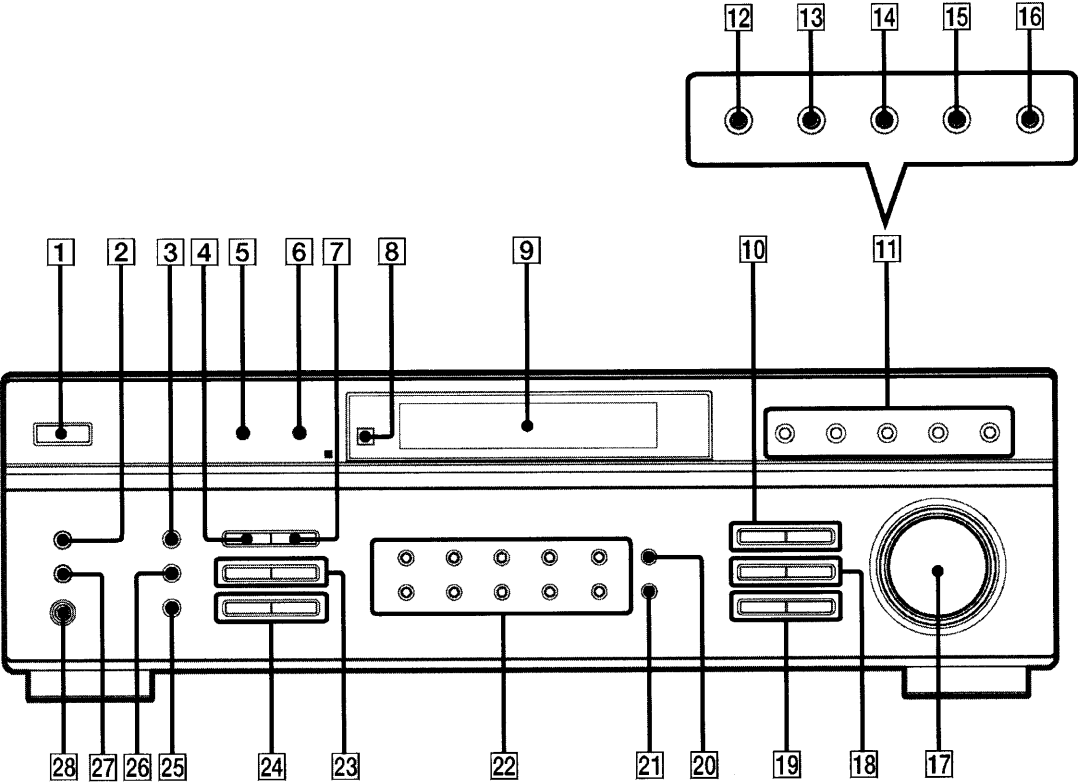
Reference page

↑

Name of button/part

Main unit

ALPHABETICAL ORDER	M - Z	NUMBERS AND SYMBOLS
A - L AM 7 (10, 11) BALANCE L/R 10 (15) BASS -/+ 19 (15) BASS BOOST (button/indicator) 5 (15) CD 15 (6, 10) DIRECT 21 (11) DISPLAY 6 (13, 15) Display 9 (13, 15) FM 4 (10, 11) FM MODE 3 (10) Input buttons 11 (6, 10, 16) IR (receptor) 8 (19, 25)	MASTER VOLUME -/+ 17 (9, 10, 24) MD/TAPE 14 (6, 10) MEMORY/ENTER 25 (11, 12, 16) NAME 26 (16) Numeric buttons 22 (11, 12) PHONES (jack) 28 (10, 24) PRESET TUNING -/+ 23 (12, 26) SHIFT 20 (12) SPEAKER A (button/indicator) 2 (8, 10, 17, 24) SPEAKER B (button/indicator) 27 (8, 10, 17, 24) TREBLE -/+ 18 (15) TUNER 16 (6, 10, 11, 12, 16) TUNING/CHAR -/+ 24 (10, 16) VIDEO 1 12 (10) VIDEO 2 13 (6, 10)	I/⏻ (power) 1 (9, 11, 26)



Additional Information

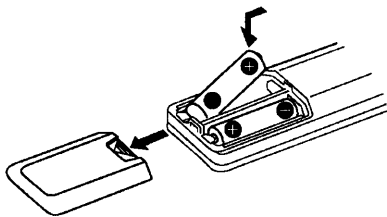
Operations Using the Remote RM-U185

You can use the remote RM-U185 to operate the components in your system.

Before you use your remote

Inserting batteries into the remote

Insert R6 (size-AA) batteries with the + and – properly oriented in the battery compartment. When using the remote, point it at the remote sensor  on the receiver.



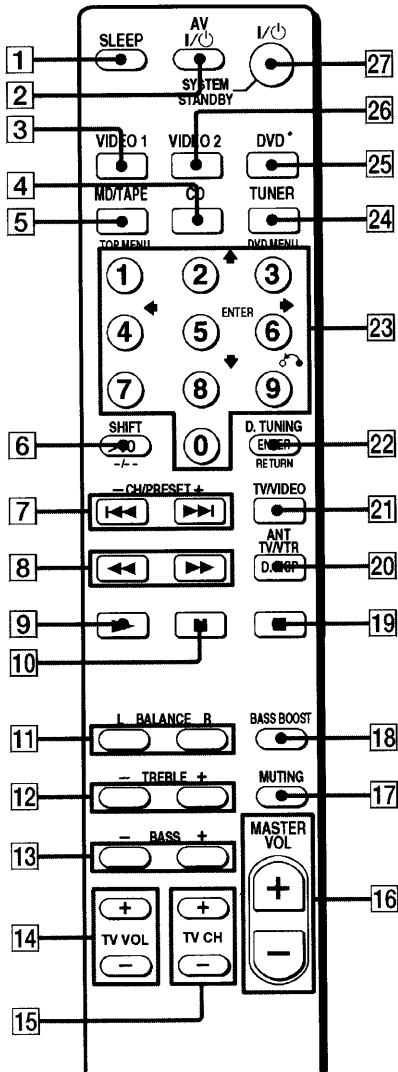
Tip

Under normal conditions, the batteries should last for about 6 months. When the remote no longer operates the receiver, replace all batteries with new ones.

Notes

- Do not leave the remote in an extremely hot or humid place.
- Do not use a new battery with an old one.
- Do not expose the remote sensor to direct sunlight or lighting apparatuses. Doing so may cause a malfunction.
- If you don't use the remote for an extended period of time, remove the batteries to avoid possible damage from battery leakage and corrosion.

Remote button description



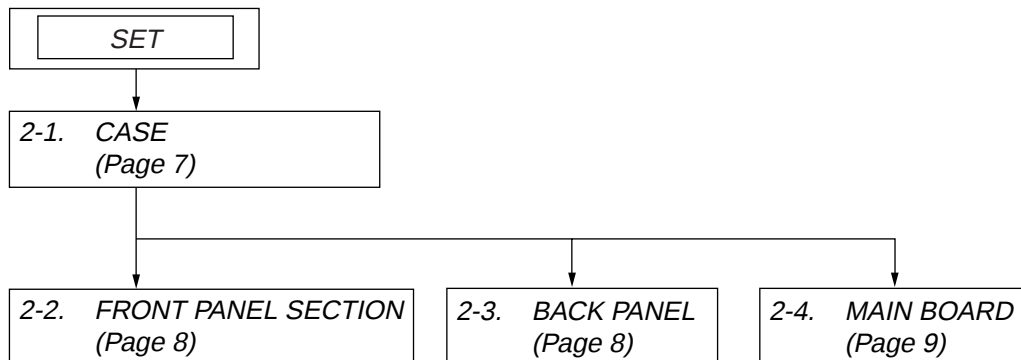
Operations Using the Remote RM-U185

The tables below show the settings of each button.

Remote Button	Operations	Function
ANT TV/VTR 20	VCR	Selects output signal from the antenna terminal: TV signal or VCR program.

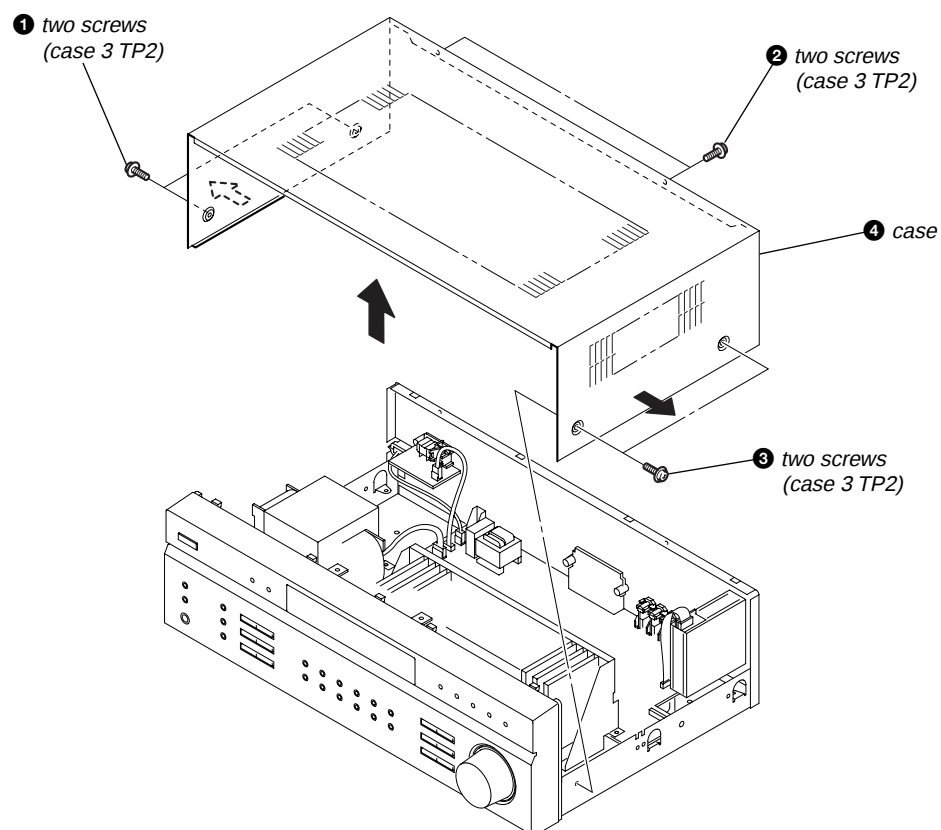
SECTION 2 DISASSEMBLY

Note : This set can be disassemble according to the following sequence.

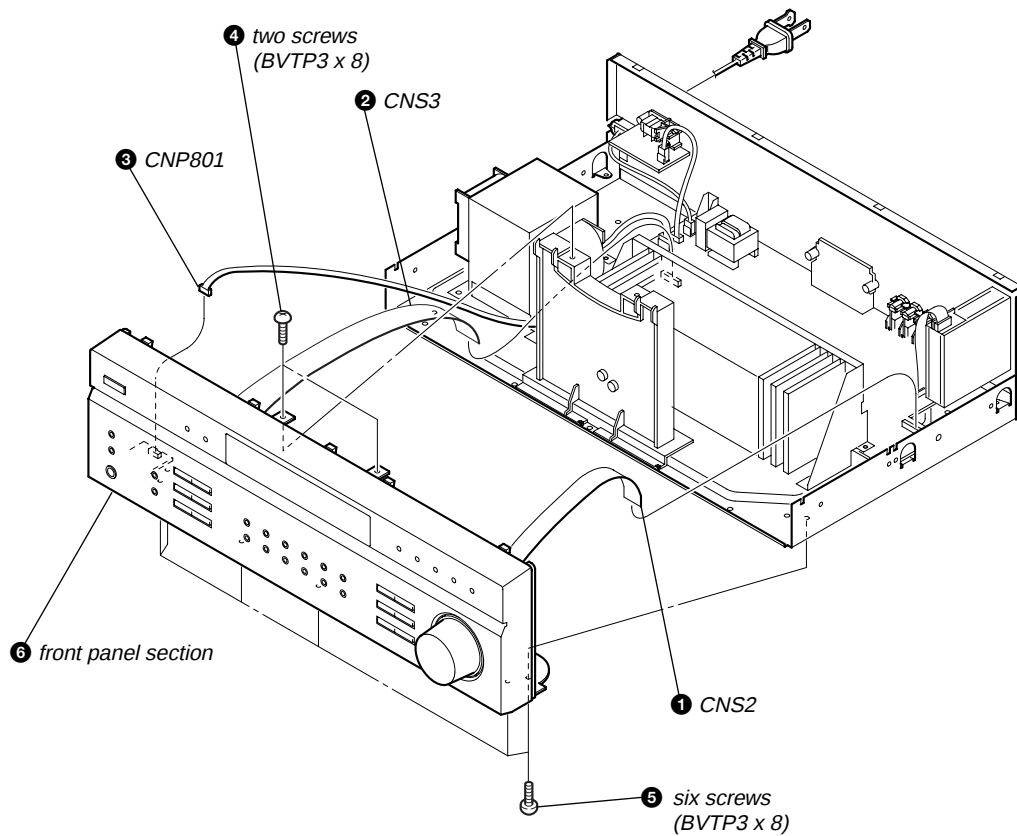


Note : Follow the disassembly procedure in the numerical order given.

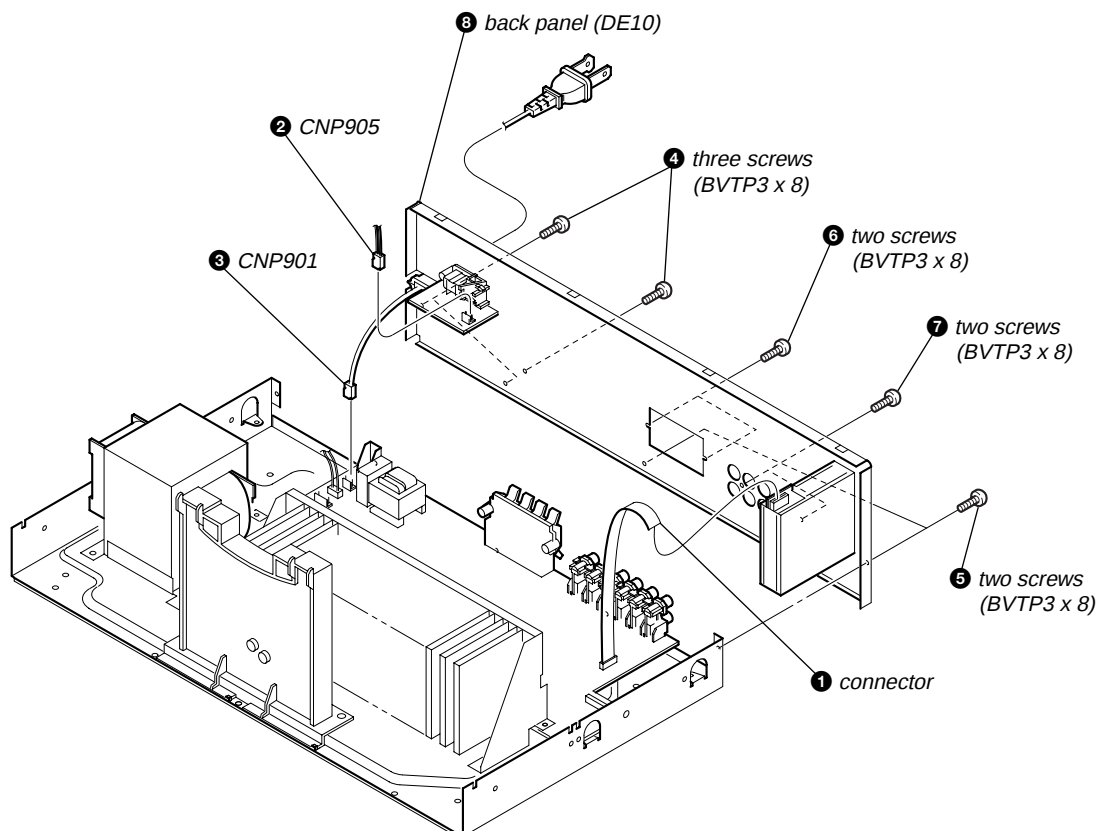
2-1. CASE



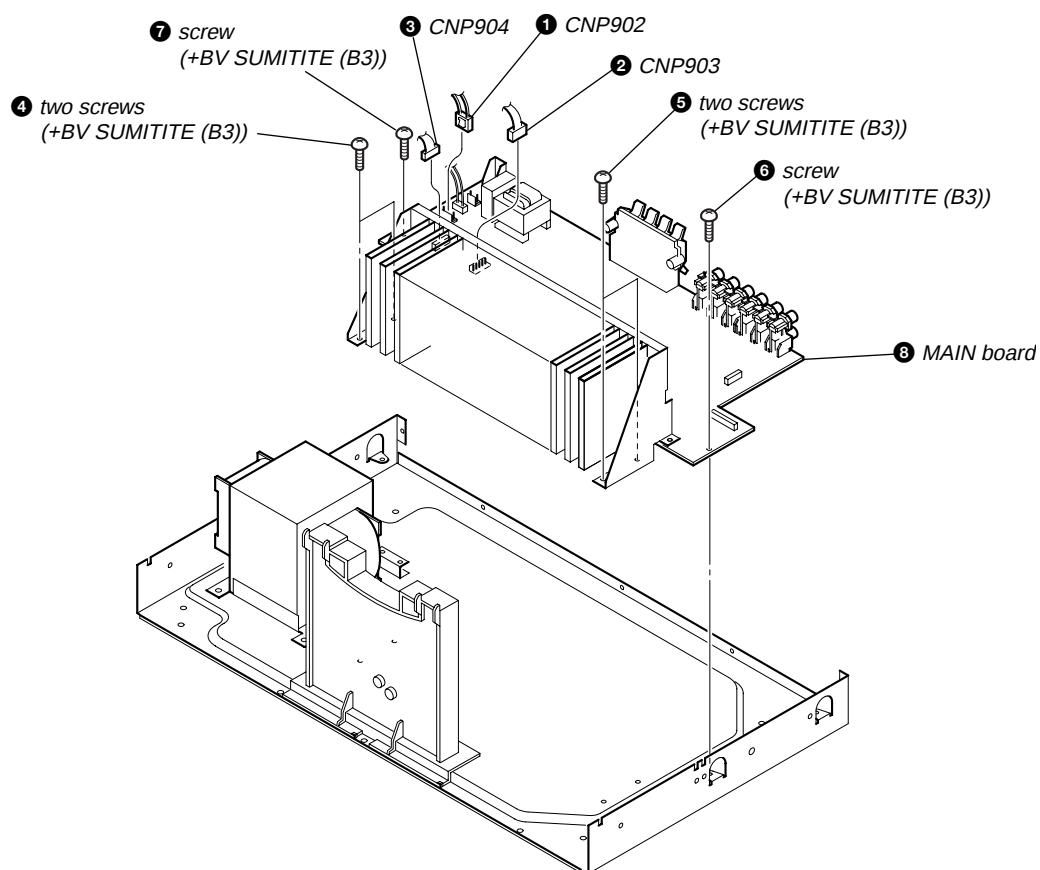
2-2. FRONT PANEL SECTION



2-3. BACK PANEL



2-4. MAIN BOARD



Fluorescent Indicator Tube Test Mode

All fluorescent segments are tested. When this test is activated, all segments turn on at the same time, then each segment turns on one after another.

Procedure:

- 1. While depressing the VIDEO 1, VIDEO 2, MD/TAPE, CD and the TUNER buttons simultaneously, press the I/⏻ button to turn on the main power.
- 2. The FL tube will illuminate in half light on. The following display will be repeated whenever the five function buttons are pressed.
 - Operation of function buttons
all light on → half light on 1 → half light on 2 → all light off
- 3. Press any button other than the function buttons to release the check mode.

AUTO-BETICAL Check Mode (AEP model)

To auto-scanning and memories of RDS station.

Procedure:

- 1. While depressing the MEMORY/ENTER button, press the I/⏻ button to turn on the main power.
- 2. The message “AUTO-BETICAL SELECT” are scrolled for a moment and the receiver starts scanning.

AM Tuning Interval Selection Mode (US, Canadian model)

Either 9 kHz step or 10 kHz step can be selected for the AM tuning interval.

Procedure:

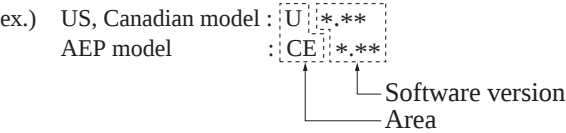
- 1. While depressing the PRESET TUNING + button or the TUNING/CHAR + button, press the I/⏻ button to turn on the main power.
- 2. Either the message “9k STEP” or “10k STEP” appears for a moment and select the desired step.

Software Version Display Mode

The software version is displayed.

Procedure:

- 1. While depressing the SPEAKER B and the VIDEO 1 buttons simultaneously, press the I/⏻ button to turn on the main power.
- 2. The destination and the software version are displayed for a moment.



SECTION 4 DIAGRAMS

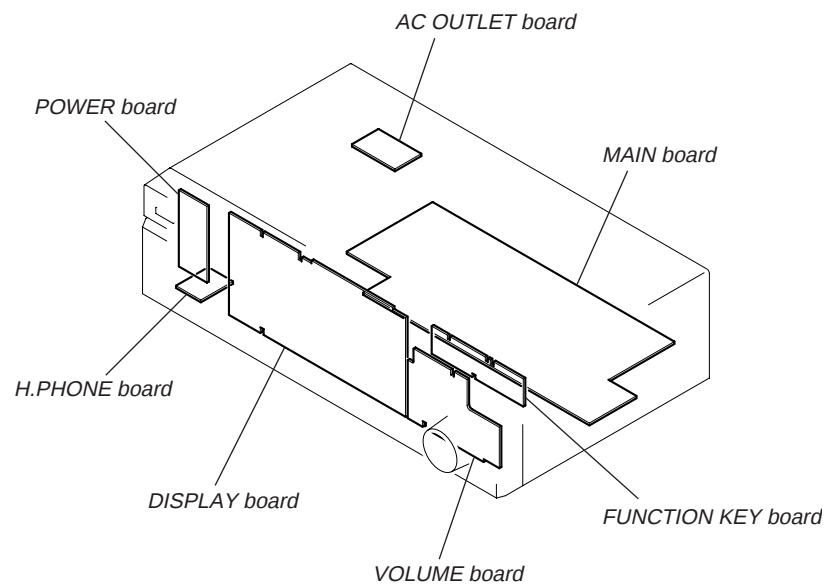
4-1. IC PIN DESCRIPTION

• IC201 μ PD78045FGF-134-3B9 (SYSTEM CONTROLLER, FL DISPLAY DRIVER)

Pin No.	Pin Name	I/O	Pin Description
1 to 7	DIG7 to DIG1	O	Digit drive signal output to the vacuum fluorescent display (FL201).
8	+5V	—	Power supply pin (+5 V)
9	CL	O	Serial clock signal output to FM/AM tuner pack.
10	DO	O	Serial data signal output to FM/AM tuner pack.
11	DI	I	Serial data signal input from FM/AM tuner pack.
12	CE	O	Serial chip enable signal output to FM/AM tuner pack.
13	VOL DATA	O	Serial data signal output to sound control IC.
14	VOL CL	O	Serial clock signal output to sound control IC.
15	RDS DATA	I	RDS data signal input from FM/AM tuner pack. (AEP model only)
16	PROTECTOR	I	Overload detection signal input
17	$\overline{\text{RESET}}$	I	Reset signal input
18	TUNED	I	TUNED indicator detection signal input from FM/AM tuner pack.
19	STEREO	I	STEREO indicator detection signal input from FM/AM tuner pack.
20	AVSS	—	Analog ground
21	VERSION	I	Destination select signal input (Fixed at H: US, Canadian model, L: AEP model)
22	FM SIGNAL OUT	I	FM/AM signal meter voltage detection signal input from FM/AM tuner pack. (AEP model only)
23 to 28	AD6 to AD1	I	Function keys signal input
29	AVDD	—	A/D converter power supply pin (+5 V)
30	AV.REF	—	A/D converter reference voltage input (+5 V)
31	—	—	Not used. (Connect to AV.REF pin in this set)
32	OPEN	—	Not used. (Open)
33	GND	—	Ground
34	X1	I	Master clock input (4.19 MHz)
35	X2	O	Master clock output (4.19 MHz)
36	REC SW1	O	VIDEO 1 ON/OFF signal output
37	REC SW2	O	MD/TAPE ON/OFF signal output
38, 39	VOL A, VOL B	I	Master volume JOG data input A, B
40	FUNC.MUTE	O	Not used. (Fixed at L in this set)
41	CK	O	Serial clock signal output to electronic volume IC.
42	DATA	O	Serial data signal output to electronic volume IC.
43	STB	O	Serial data strobe signal output to electronic volume IC.
44	$\overline{\text{SYS.POWER}}$	I	System power signal input
45	AC MUTE	O	A-Class mute signal output
46	RDS INT	I	RDS clock signal input from FM/AM tuner pack. (AEP model only)
47	$\overline{\text{STOP}}$	I	Stop signal input from reset/+5.6V regulator IC.
48	VSS	—	Ground
49	$\overline{\text{SIRCS}}$	I	Sircs signal input from remote control receiver IC.
50	TUNER MUTE	O	Muting control signal output to FM/AM tuner pack.
51	—	—	Not used. (Open)
52	+5V	—	Power supply pin (+5 V)
53	BASS B. LED	O	BASS BOOST LED drive signal output
54	SPK A LED	O	SPEAKER A LED drive signal output
55	SPK B LED	O	SPEAKER B LED drive signal output

Pin No.	Pin Name	I/O	Pin Description
56	RY R1 COIL	O	Power relay (12V) drive signal output
57	RY POWER	O	AC power relay (9V) drive signal output
58	RY A	O	Speaker A relay (12V) drive signal output
59	RY B	O	Speaker B relay (12V) drive signal output
60	RY HP	O	Phones relay (12V) drive signal output
61	—	—	Not used. (Open)
62 to 70	S15 to S7	O	Segment drive signal output to the vacuum fluorescent display (FL201).
71	VLOAD	—	Power supply pin (−24 V)
72 to 77	S6 to S1	O	Segment drive signal output to the vacuum fluorescent display (FL201).
78 to 80	DIG10 to DIG8	O	Digit drive signal output to the vacuum fluorescent display (FL201).

4-2. CIRCUIT BOARDS LOCATION



**THIS NOTE IS COMMON FOR PRINTED WIRING
BOARDS AND SCHEMATIC DIAGRAMS.**
(In addition to this, the necessary note is
printed in each block.)

for schematic diagram:

- All capacitors are in μF unless otherwise noted. (p: pF)
50 WV or less are not indicated except for electrolytics
and tantalums.
- All resistors are in Ω and $1/4\text{ W}$ or less unless otherwise
specified.
-  : internal component.
-  : nonflammable resistor.
-  : fusible resistor.
-  : panel designation.

Note:

The components identi-
fied by mark  or dotted
line with mark  are criti-
cal for safety.
Replace only with part
number specified.

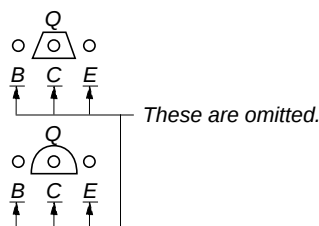
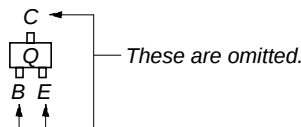
Note:

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

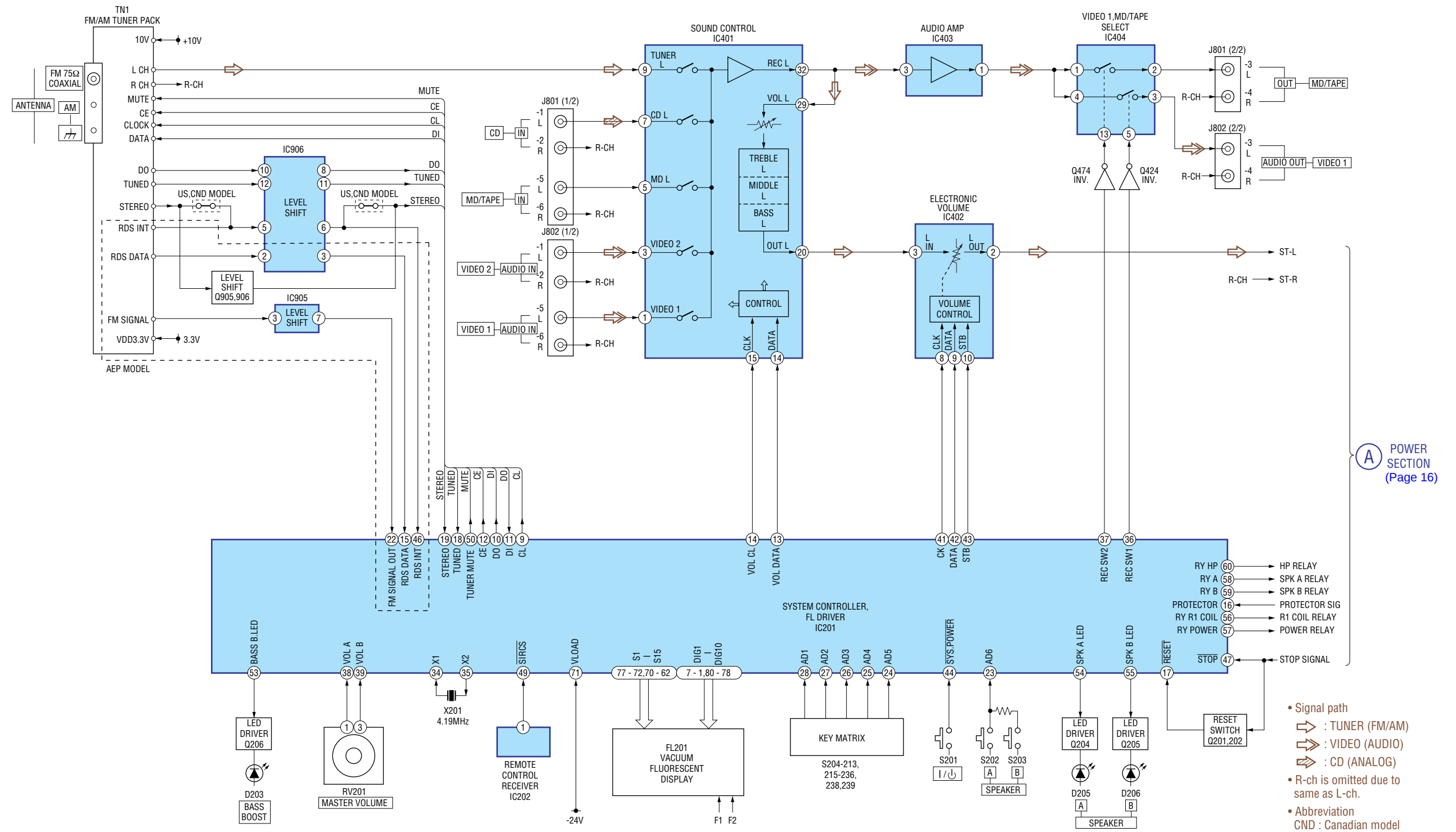
-  : B+ Line.
-  : B- Line.
- Voltage and waveforms are dc with respect to ground
under no-signal (detuned) conditions.
no mark : FM
- Voltages are taken with a VOM (Input impedance $10\text{ M}\Omega$).
Voltage variations may be noted due to normal produc-
tion tolerances.
- Waveforms are taken with a oscilloscope.
Voltage variations may be noted due to normal produc-
tion tolerances.
- Circled numbers refer to waveforms.
- Signal path.
-  : TUNER (FM/AM)
-  : VIDEO (AUDIO)
-  : CD (ANALOG)
- Abbreviation
CND : Canadian model.

for printed wiring boards:

-  : parts extracted from the component side.
-  : internal component.
-  : Pattern from the side which enables seeing.
- Abbreviation
CND : Canadian model.



4-3. BLOCK DIAGRAM — MAIN SECTION —



16



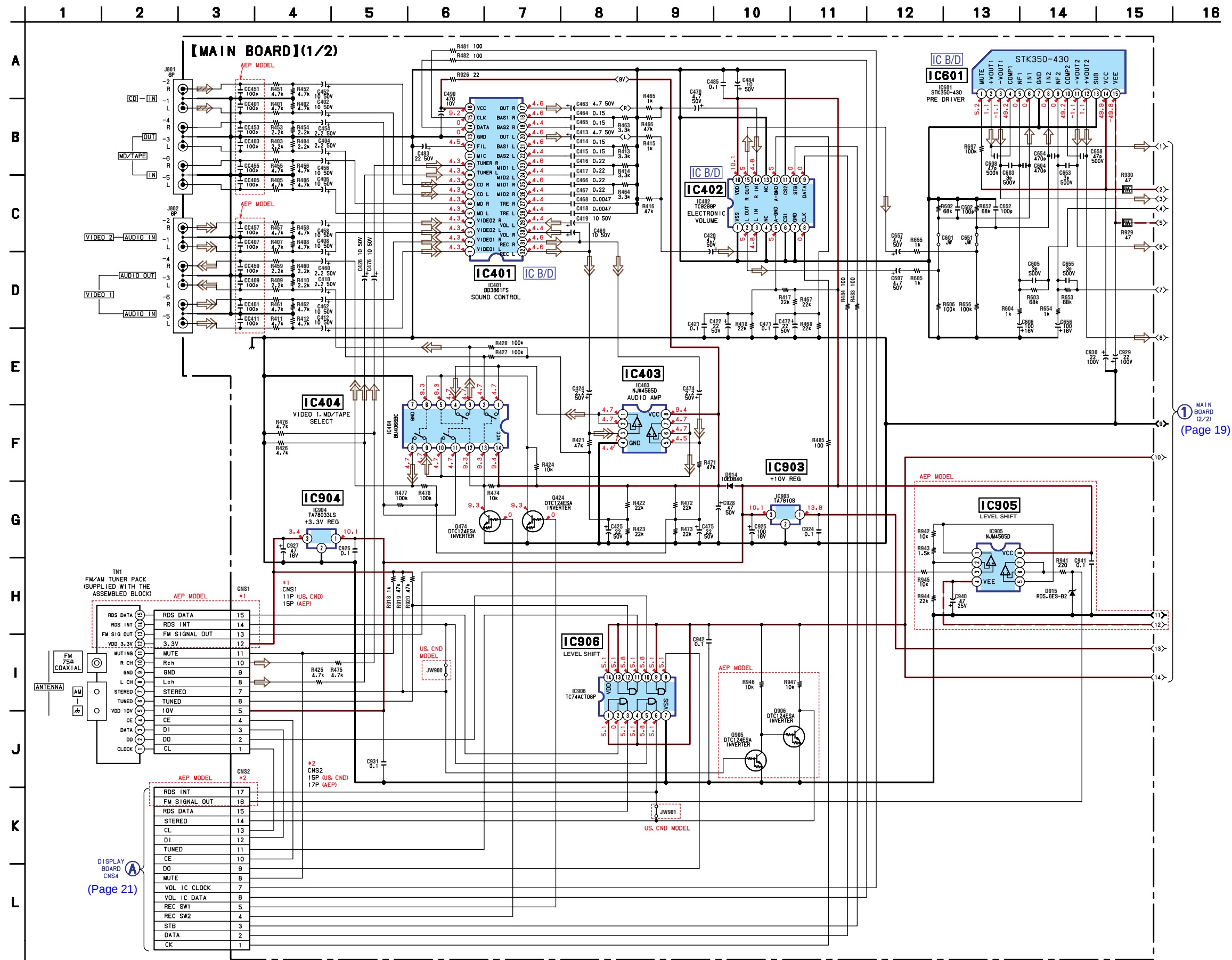
17



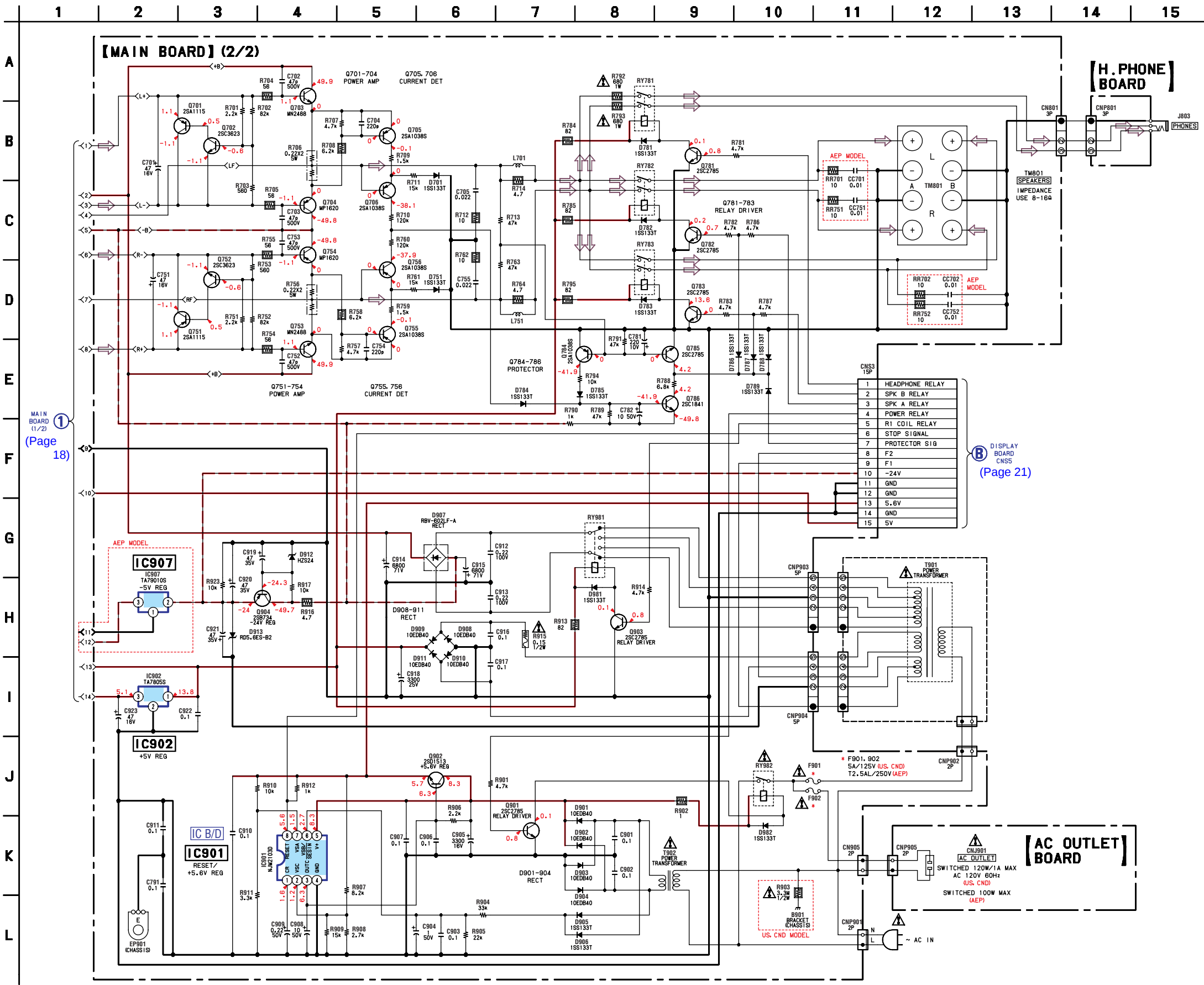
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D701	D-6	D907	D-7	IC901	C-9	Q752	E-7
D751	D-6	D908	D-11	IC902	D-9	Q753	E-7
D781	E-9	D909	D-11	IC903	C-4	Q754	E-8
D782	C-6	D910	D-11	IC904	C-2	Q755	E-7
D783	C-6	D911	D-11	(IC905)	E-2	Q756	E-7
D784	D-6	D912	E-8	IC906	E-2	Q781	D-9
D785	D-6	D913	D-9	(IC907)	E-8	Q782	E-8
D786	E-9	D914	C-4			Q783	E-8
D787	E-9	(D915)	D-2	Q424	C-5	Q784	D-6
D788	D-6	D981	E-9	Q474	C-5	Q785	D-6
D789	D-10	D982	B-11	Q701	E-4	Q786	D-5
D901	B-8			Q702	F-4	Q901	B-8
D902	B-9	IC401	C-3	Q703	E-4	Q902	B-9
D903	D-9	IC402	D-3	Q704	E-4	Q903	D-9
D904	B-8	IC403	D-5	Q705	E-5	Q904	E-8
D905	B-8	IC404	C-5	Q706	E-6	(Q905)	E-2
D906	B-8	IC601	E-5	Q751	E-7	(Q906)	D-2

() : AEP model only

4-6. SCHEMATIC DIAGRAM — MAIN SECTION (1/2) — • Refer to page 14 for Common Note on Schematic Diagram and page 22 for IC Block Diagrams.



4-7. SCHEMATIC DIAGRAM — MAIN SECTION (2/2) — • Refer to page 14 for Common Note on Schematic Diagram and page 22 for IC Block Diagrams.



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

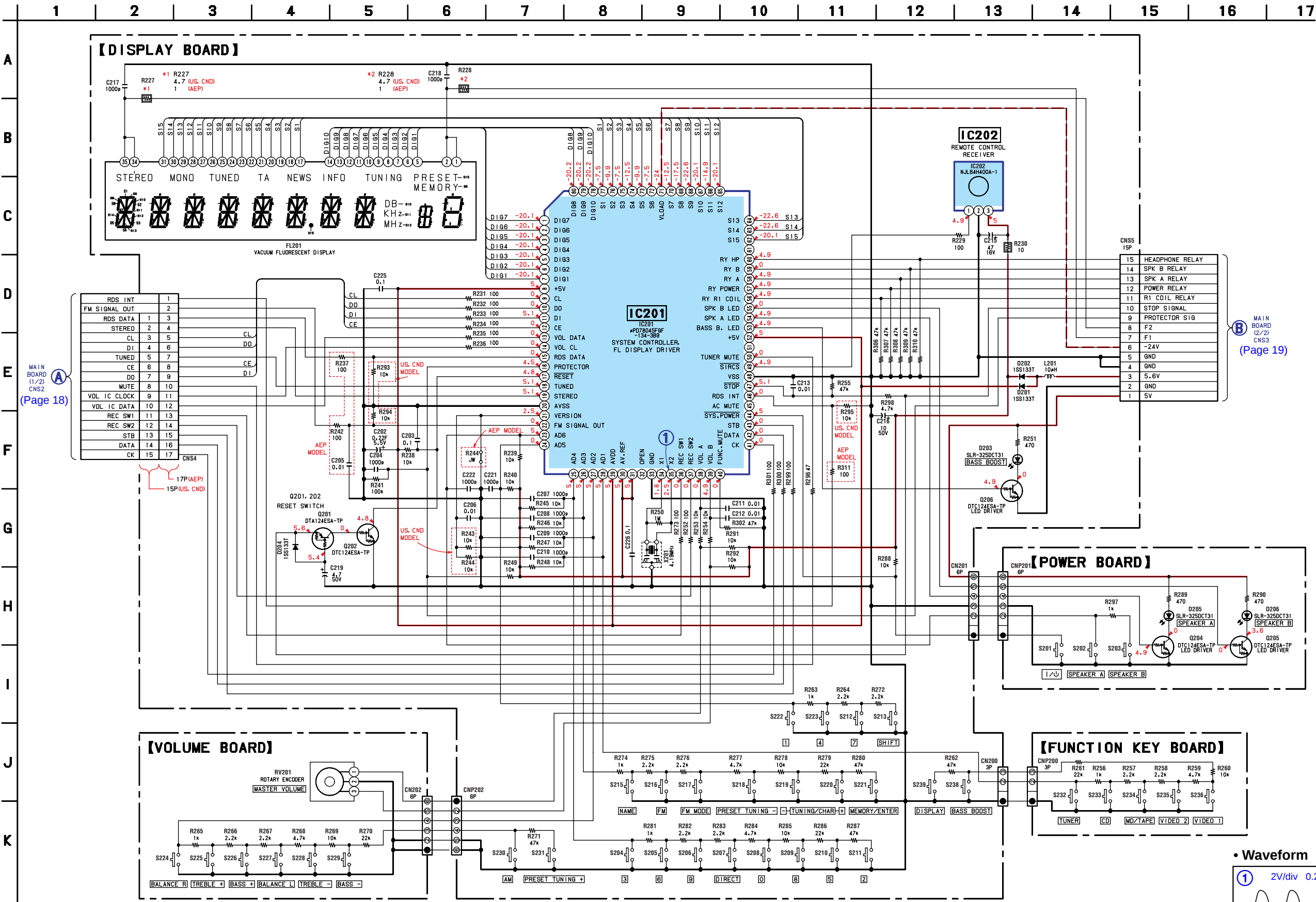
Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

20



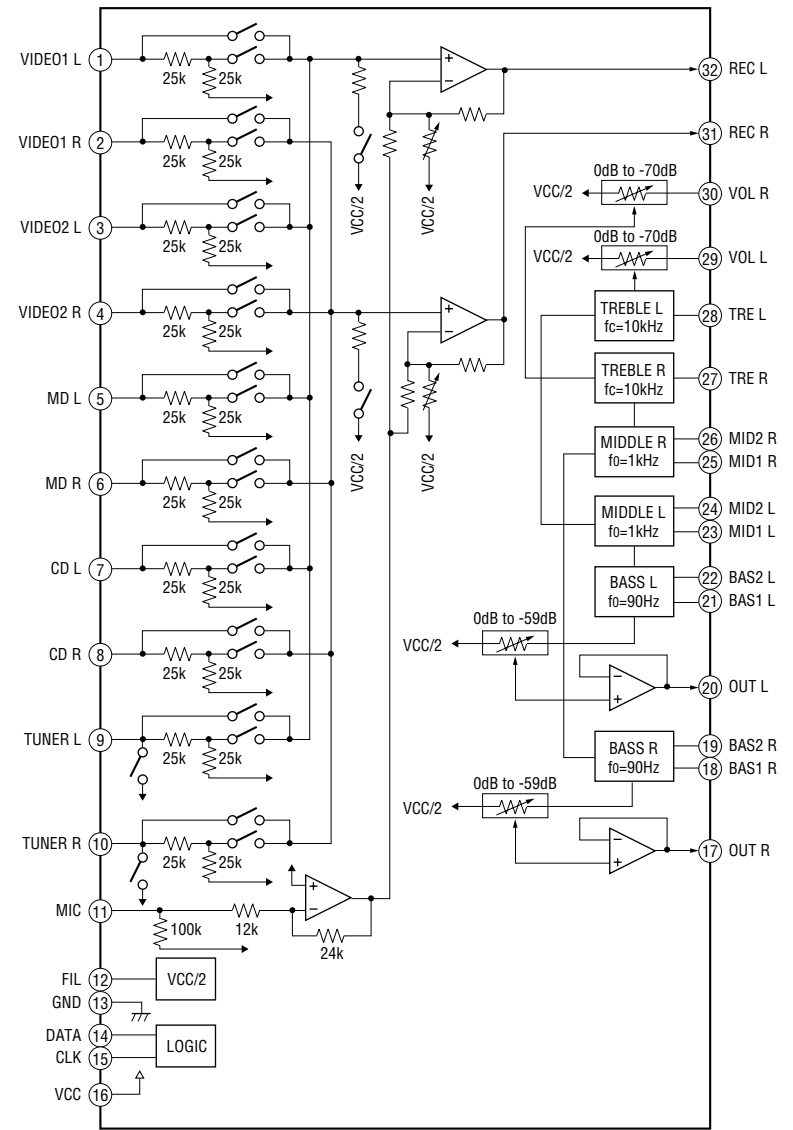
Ref. No.	Location
D201	C-3
D202	C-3
D203	D-3
D204	C-4
D205	B-1
D206	B-1
IC201	C-7
IC202	D-5
Q201	C-4
Q202	C-4
Q204	B-1
Q205	B-1
Q206	D-4

4-9. SCHEMATIC DIAGRAM — PANEL SECTION — • Refer to page 14 for Common Note on Schematic Diagram.

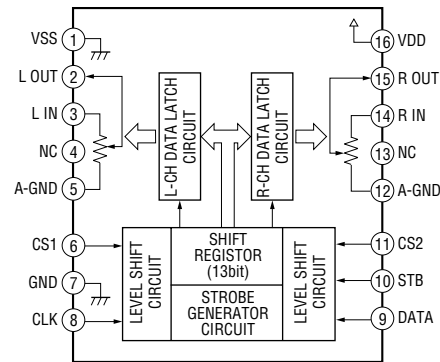


4-10. IC BLOCK DIAGRAMS

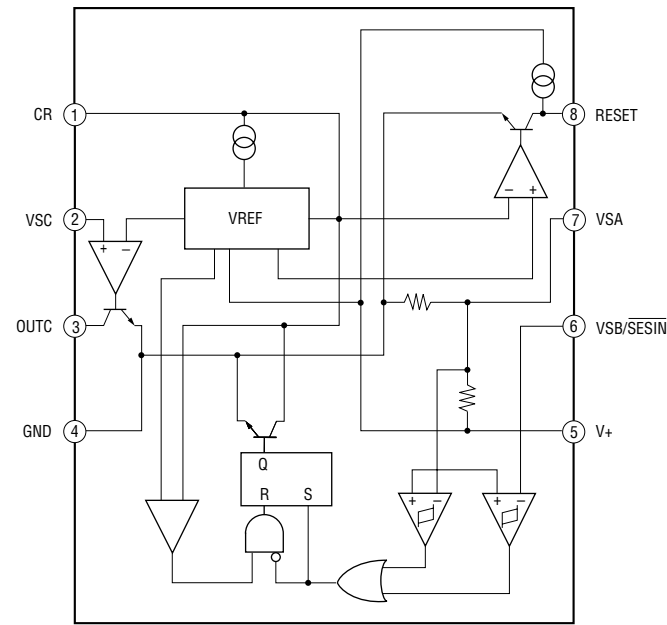
IC401 BD3861FS (MAIN BOARD (1/2))



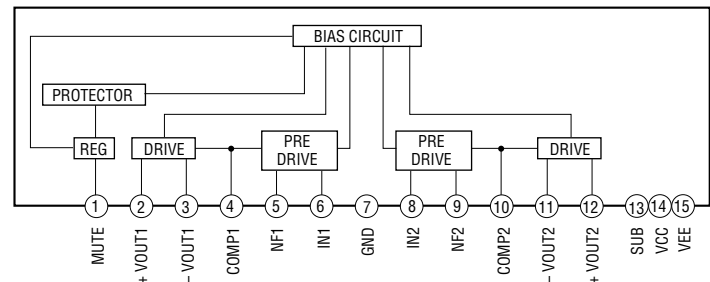
IC402 TC9299P (MAIN BOARD (1/2))



IC901 NJM2103D (MAIN BOARD (2/2))



IC601 STK350-430 (MAIN BOARD (1/2))



SECTION 5
EXPLODED VIEWS

NOTE:

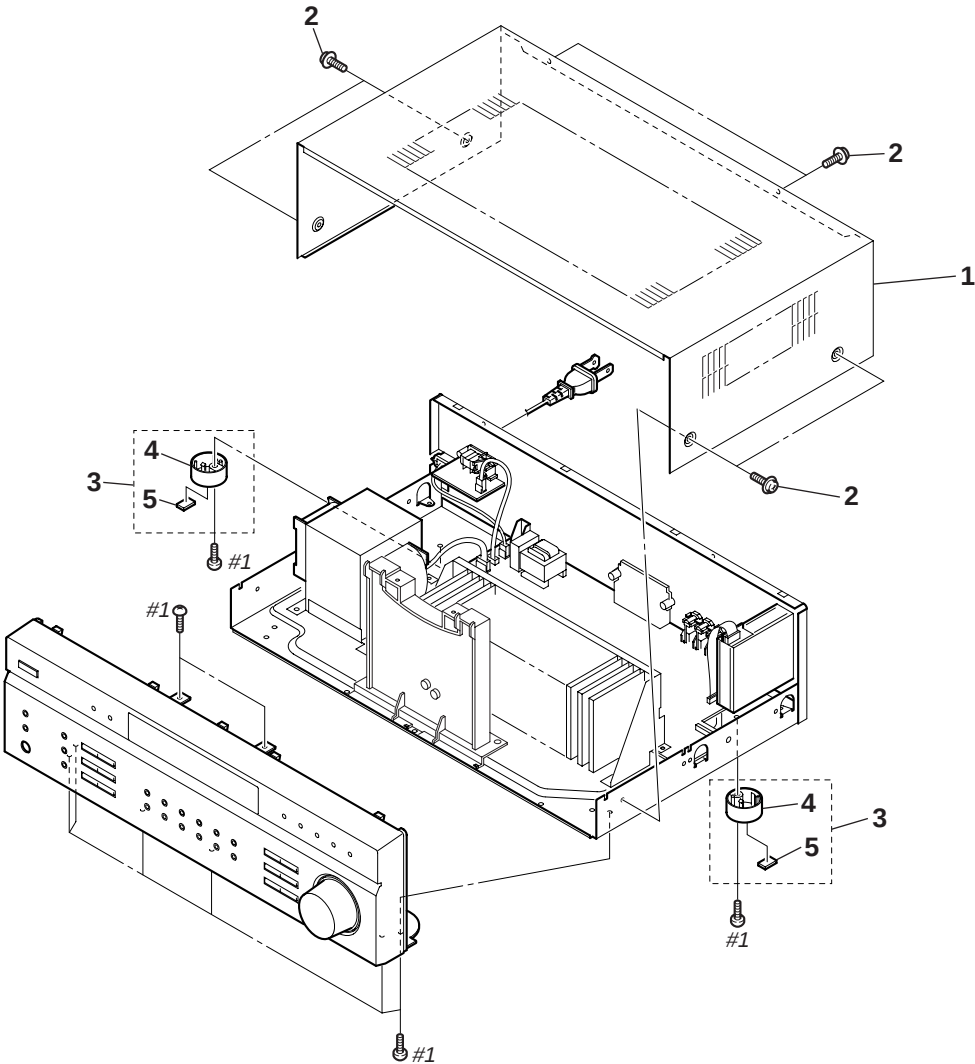
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- -XX and -X mean standardized parts, so they may have some difference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

- Color Indication of Appearance Parts
Example :
 ↑ ↑
 Parts Color Cabinet's Color
- Accessories are given in the last of this parts list.
- Abbreviation
CND : Canadian model

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

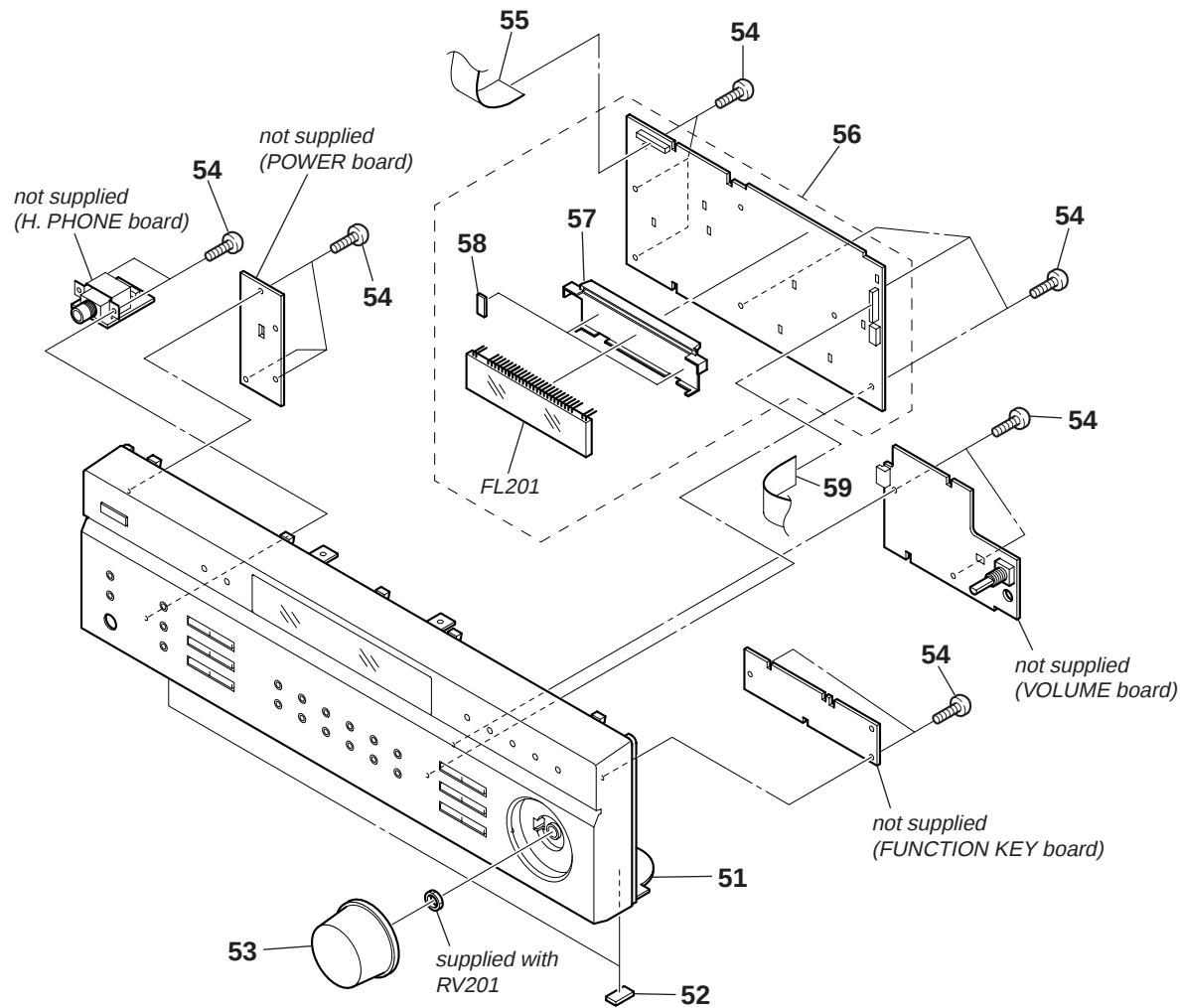
Les composants identifiés par une marque $\triangle$ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

5-1. CASE SECTION



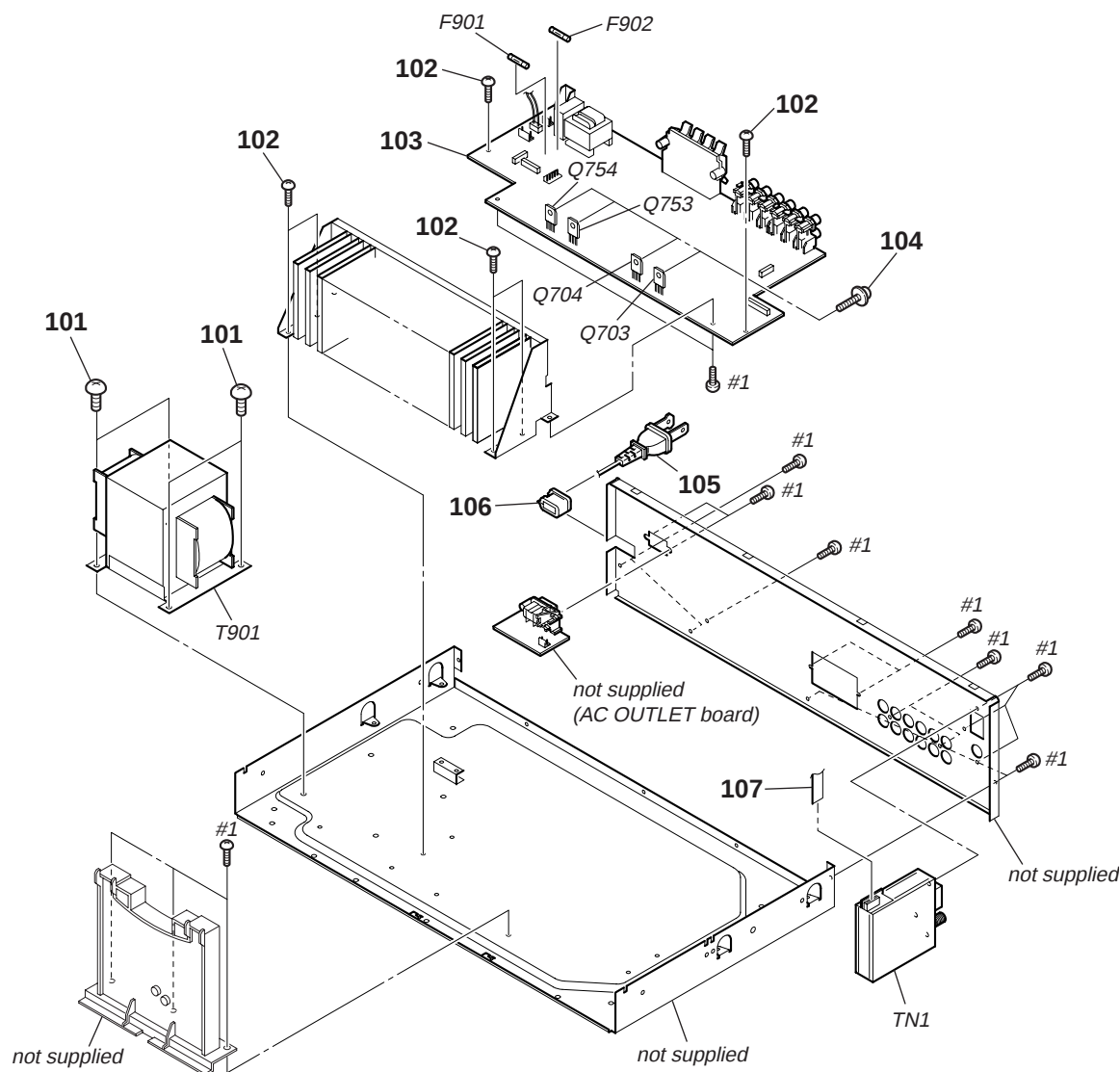
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	4-252-402-01	CASE (BLACK)		3	X-4953-448-1	FOOT ASSY	
1	4-252-402-21	CASE (SILVER)		4	4-232-237-01	FOOT (DIA.30)	
1	4-252-402-41	CASE (SILVER:for Hair-line Finish)		5	4-977-358-01	CUSHION	
2	4-210-291-01	SCREW (CASE 3 TP2) (BLACK)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
2	4-210-291-11	SCREW (CASE 3 TP2) (SILVER)					

5-2. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	X-2021-462-1	FRONT PANEL ASSY (BLACK) (CND)		54	4-951-620-01	SCREW (2.6X8), +BVTP	
51	X-2108-586-1	FRONT PANEL ASSY (SILVER:for Hair-line Finish) (AEP)		55	1-773-026-11	WIRE (FLAT TYPE) (15 CORE)	
51	X-4956-248-1	FRONT PANEL ASSY (BLACK) (US)		56	A-4751-164-A	DISPLAY BOARD, COMPLETE (US,CND)	
51	X-4956-259-1	FRONT PANEL ASSY (BLACK) (AEP)		56	A-4751-248-A	DISPLAY BOARD, COMPLETE (AEP)	
51	X-4956-260-1	FRONT PANEL ASSY (SILVER) (AEP)		* 57	4-943-107-11	HOLDER (FL TUBE)	
52	4-977-358-01	CUSHION		* 58	4-921-941-01	CUSHION (FL)	
53	4-232-113-01	KNOB (VOL) (BLACK)		59	1-773-026-11	WIRE (FLAT TYPE) (15 CORE) (US,CND)	
53	4-232-113-12	KNOB (VOL) (SILVER)		59	1-773-060-11	WIRE (FLAT TYPE) (17 CORE) (AEP)	
53	4-232-113-31	KNOB (VOL) (SILVER:for Hair-line Finish)		FL201	1-518-970-11	VACUUM FLUORESCENT DISPLAY	

5-3. CHASSIS SECTION



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.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	4-249-675-01	+BV SUMITITE S 4X6 ROUND		Δ F902	1-533-453-12	FUSE, GLASS TUBE (DIA.5) (5A/125V)	(US,CND)
102	3-970-608-01	SUMITITE (B3), +BV		Δ F902	1-533-469-12	FUSE, GLASS TUBE (DIA.5) (T2.5AL/250V)	(AEP)
103	A-4751-167-A	MAIN BOARD, COMPLETE (US,CND)		Q703	8-749-010-25	TRANSISTOR MN2488-OPY-M	
103	A-4751-247-A	MAIN BOARD, COMPLETE (AEP)		Q704	8-749-010-26	TRANSISTOR MP1620-OPY-M	
104	3-905-609-01	SCREW (TRANSISTOR)		Q753	8-749-010-25	TRANSISTOR MN2488-OPY-M	
Δ 105	1-777-071-23	CORD, POWER (AEP)		Q754	8-749-010-26	TRANSISTOR MP1620-OPY-M	
Δ 105	1-783-820-11	CORD, POWER (US,CND)		Δ T901	1-443-188-11	TRANSFORMER, POWER (US,CND)	
* 106	3-703-244-00	BUSHING (2104), CORD		Δ T901	1-443-189-11	TRANSFORMER, POWER (AEP)	
107	1-769-942-11	WIRE (FLAT TYPE) (11 CORE) (US,CND)		TN1	1-693-577-13	TUNER PACK (ANTENNA) (US,CND)	
107	1-773-006-11	WIRE (FLAT TYPE) (15 CORE) (AEP)		TN1	1-693-578-13	TUNER PACK (ANTENNA) (AEP)	
Δ F901	1-533-453-12	FUSE, GLASS TUBE (DIA.5) (5A/125V)	(US,CND)	#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
Δ F901	1-533-469-12	FUSE, GLASS TUBE (DIA.5) (T2.5AL/250V)	(AEP)				

SECTION 6
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.
 - -XX and -X mean standardized parts, so they may have some difference from the original one.
 - RESISTORS
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable
 - Abbreviation
CND : Canadian model
- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
 - SEMICONDUCTORS
In each case, u : μ , for example:
uA.. : μ A.. uPA.. : μ PA..
uPB.. : μ PB.. uPC.. : μ PC.. uPD.. : μ PD..
 - CAPACITORS
uF : μ F
 - COILS
uH : μ H

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

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

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

Ref. No.	Part No.	Description	Remark
		AC OUTLET BOARD *****	
		< AC OUTLET >	
$\triangle$ CNJ901	1-785-285-11	OUTLET, AC (1P) (AC OUTLET) (AEP)	
$\triangle$ CNJ901	1-785-834-11	OUTLET, AC (1P) (AC OUTLET) (US,CND)	
		< CONNECTOR >	
CNP905	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P *****	
	A-4751-164-A	DISPLAY BOARD, COMPLETE (US,CND)	
	A-4751-248-A	DISPLAY BOARD, COMPLETE (AEP) *****	
*	4-921-941-01	CUSHION (FL)	
*	4-943-107-11	HOLDER (FL TUBE)	
		< CAPACITOR >	
C202	1-104-905-11	DOUBLE LAYERS 0.22F	5.5V
C203	1-164-159-11	CERAMIC 0.1uF	50V
C204	1-128-821-11	CERAMIC 0.001uF	5% 50V
C205	1-127-876-11	CERAMIC 0.01uF	10% 50V
		(AEP)	
C206	1-127-876-11	CERAMIC 0.01uF	10% 50V
C207	1-128-821-11	CERAMIC 0.001uF	5% 50V
C208	1-128-821-11	CERAMIC 0.001uF	5% 50V
C209	1-128-821-11	CERAMIC 0.001uF	5% 50V
C210	1-128-821-11	CERAMIC 0.001uF	5% 50V
C211	1-127-876-11	CERAMIC 0.01uF	10% 50V
C212	1-127-876-11	CERAMIC 0.01uF	10% 50V
C213	1-127-876-11	CERAMIC 0.01uF	10% 50V
C215	1-126-947-11	ELECT 47uF	20% 35V
C216	1-126-795-11	ELECT 10uF	20% 50V
C217	1-128-821-11	CERAMIC 0.001uF	5% 50V
C218	1-128-821-11	CERAMIC 0.001uF	5% 50V
C219	1-126-794-11	ELECT 4.7uF	20% 50V
C221	1-128-821-11	CERAMIC 0.001uF	5% 50V
C222	1-128-821-11	CERAMIC 0.001uF	5% 50V
C225	1-164-159-11	CERAMIC 0.1uF	50V
C226	1-164-159-11	CERAMIC 0.1uF	50V
		< CONNECTOR >	
CNP202	1-750-186-11	CONNECTOR, BOARD TO BOARD 6P	
CNS4	1-784-776-11	CONNECTOR, FFC 15P (US,CND)	

Ref. No.	Part No.	Description	Remark
CNS4	1-784-778-11	CONNECTOR, FFC 17P (AEP)	
CNS5	1-784-776-11	CONNECTOR, FFC 15P	
		< DIODE >	
D201	8-719-991-33	DIODE 1SS133T-77	
D202	8-719-991-33	DIODE 1SS133T-77	
D203	8-719-061-96	LED SLR-325DCT31 (BASS BOOST)	
D204	8-719-991-33	DIODE 1SS133T-77	
		< VACUUM FLUORESCENT DISPLAY >	
FL201	1-518-970-11	VACUUM FLUORESCENT DISPLAY	
		< IC >	
IC201	6-801-553-01	IC uPD78045FGF-134-3B9	
IC202	8-759-827-70	IC NJL64H400A-1 (IR)	
		< COIL >	
L201	1-410-509-11	INDUCTOR 10uH	
		< TRANSISTOR >	
Q201	8-729-029-40	TRANSISTOR DTA124ESA	
Q202	8-729-029-86	TRANSISTOR DTC124ESA	
Q206	8-729-029-86	TRANSISTOR DTC124ESA	
		< RESISTOR >	
R227	1-249-381-11	CARBON 1 5% 1/4W F (AEP)	
R227	1-249-389-11	CARBON 4.7 5% 1/4W F (US,CND)	
R228	1-249-381-11	CARBON 1 5% 1/4W F (AEP)	
R228	1-249-389-11	CARBON 4.7 5% 1/4W F (US,CND)	
R229	1-247-807-31	CARBON 100 5% 1/4W	
R230	1-249-393-11	CARBON 10 5% 1/4W F	
R231	1-247-807-31	CARBON 100 5% 1/4W	
R232	1-247-807-31	CARBON 100 5% 1/4W	
R233	1-247-807-31	CARBON 100 5% 1/4W	
R234	1-247-807-31	CARBON 100 5% 1/4W	
R235	1-247-807-31	CARBON 100 5% 1/4W	
R236	1-247-807-31	CARBON 100 5% 1/4W	
R237	1-247-807-31	CARBON 100 5% 1/4W (AEP)	
R238	1-249-429-11	CARBON 10K 5% 1/4W	
R239	1-249-429-11	CARBON 10K 5% 1/4W	

DISPLAY

FUNCTION KEY

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R240	1-249-429-11	CARBON	10K	5%	1/4W	R311	1-247-807-31	CARBON	100	5%	1/4W (AEP)
R241	1-247-879-11	CARBON	100K	5%	1/4W						
R242	1-247-807-31	CARBON	100	5%	1/4W (AEP)			< SWITCH >			
R243	1-249-429-11	CARBON	10K	5%	1/4W (US,CND)	S204	1-771-410-21	SWITCH, TACTILE (3)			
R244	1-249-429-11	CARBON	10K	5%	1/4W (US,CND)	S205	1-771-410-21	SWITCH, TACTILE (6)			
						S206	1-771-410-21	SWITCH, TACTILE (9)			
R245	1-249-429-11	CARBON	10K	5%	1/4W	S207	1-771-410-21	SWITCH, TACTILE (DIRECT)			
R246	1-249-429-11	CARBON	10K	5%	1/4W	S208	1-771-410-21	SWITCH, TACTILE (0)			
R247	1-249-429-11	CARBON	10K	5%	1/4W						
R248	1-249-429-11	CARBON	10K	5%	1/4W	S209	1-771-410-21	SWITCH, TACTILE (8)			
R249	1-249-429-11	CARBON	10K	5%	1/4W	S210	1-771-410-21	SWITCH, TACTILE (5)			
						S211	1-771-410-21	SWITCH, TACTILE (2)			
R250	1-247-903-00	CARBON	1M	5%	1/4W	S212	1-771-410-21	SWITCH, TACTILE (7)			
R251	1-249-413-11	CARBON	470	5%	1/4W	S213	1-771-410-21	SWITCH, TACTILE (SHIFT)			
R252	1-247-807-31	CARBON	100	5%	1/4W						
R253	1-249-429-11	CARBON	10K	5%	1/4W	S215	1-771-410-21	SWITCH, TACTILE (NAME)			
R254	1-249-429-11	CARBON	10K	5%	1/4W	S216	1-771-410-21	SWITCH, TACTILE (FM)			
						S217	1-771-410-21	SWITCH, TACTILE (FM MODE)			
R255	1-247-871-11	CARBON	47K	5%	1/4W	S218	1-771-410-21	SWITCH, TACTILE (PRESET TUNING -)			
R262	1-247-871-11	CARBON	47K	5%	1/4W	S219	1-771-410-21	SWITCH, TACTILE (TUNING/CHAR -)			
R263	1-247-831-11	CARBON	1K	5%	1/4W						
R264	1-249-421-11	CARBON	2.2K	5%	1/4W	S220	1-771-410-21	SWITCH, TACTILE (TUNING/CHAR +)			
R271	1-247-871-11	CARBON	47K	5%	1/4W	S221	1-771-410-21	SWITCH, TACTILE (MEMORY/ENTER)			
						S222	1-771-410-21	SWITCH, TACTILE (1)			
R272	1-249-421-11	CARBON	2.2K	5%	1/4W	S223	1-771-410-21	SWITCH, TACTILE (4)			
R273	1-247-807-31	CARBON	100	5%	1/4W	S230	1-771-410-21	SWITCH, TACTILE (AM)			
R274	1-247-831-11	CARBON	1K	5%	1/4W						
R275	1-249-421-11	CARBON	2.2K	5%	1/4W	S231	1-771-410-21	SWITCH, TACTILE (PRESET TUNING +)			
R276	1-249-421-11	CARBON	2.2K	5%	1/4W	S238	1-771-410-21	SWITCH, TACTILE (BASS BOOST)			
						S239	1-771-410-21	SWITCH, TACTILE (DISPLAY)			
								< VIBRATOR >			
R277	1-247-847-11	CARBON	4.7K	5%	1/4W	X201	1-795-736-21	VIBRATOR, CERAMIC (4.19MHz)			
R278	1-249-429-11	CARBON	10K	5%	1/4W	*****					
R279	1-247-863-11	CARBON	22K	5%	1/4W			FUNCTION KEY BOARD			
R280	1-247-871-11	CARBON	47K	5%	1/4W			*****			
R281	1-247-831-11	CARBON	1K	5%	1/4W			< RESISTOR >			
R282	1-249-421-11	CARBON	2.2K	5%	1/4W	R256	1-247-831-11	CARBON	1K	5%	1/4W
R283	1-249-421-11	CARBON	2.2K	5%	1/4W	R257	1-249-421-11	CARBON	2.2K	5%	1/4W
R284	1-247-847-11	CARBON	4.7K	5%	1/4W	R258	1-249-421-11	CARBON	2.2K	5%	1/4W
R285	1-249-429-11	CARBON	10K	5%	1/4W	R259	1-247-847-11	CARBON	4.7K	5%	1/4W
R286	1-247-863-11	CARBON	22K	5%	1/4W	R260	1-249-429-11	CARBON	10K	5%	1/4W
R287	1-247-871-11	CARBON	47K	5%	1/4W	R261	1-247-863-11	CARBON	22K	5%	1/4W
R288	1-249-429-11	CARBON	10K	5%	1/4W			< SWITCH >			
R291	1-249-429-11	CARBON	10K	5%	1/4W	S232	1-771-410-21	SWITCH, TACTILE (TUNER)			
R292	1-249-429-11	CARBON	10K	5%	1/4W	S233	1-771-410-21	SWITCH, TACTILE (CD)			
R293	1-249-429-11	CARBON	10K	5%	1/4W (US,CND)	S234	1-771-410-21	SWITCH, TACTILE (MD/TAPE)			
						S235	1-771-410-21	SWITCH, TACTILE (VIDEO 2)			
R294	1-249-429-11	CARBON	10K	5%	1/4W (US,CND)	S236	1-771-410-21	SWITCH, TACTILE (VIDEO 1)			
R295	1-249-429-11	CARBON	10K	5%	1/4W (US,CND)	*****					
R296	1-249-401-11	CARBON	47	5%	1/4W						
R298	1-247-847-11	CARBON	4.7K	5%	1/4W						
R299	1-247-807-31	CARBON	100	5%	1/4W						
R300	1-247-807-31	CARBON	100	5%	1/4W						
R301	1-247-807-31	CARBON	100	5%	1/4W						
R302	1-247-871-11	CARBON	47K	5%	1/4W						
R306	1-247-871-11	CARBON	47K	5%	1/4W						
R307	1-247-871-11	CARBON	47K	5%	1/4W						
R308	1-247-871-11	CARBON	47K	5%	1/4W						
R309	1-247-871-11	CARBON	47K	5%	1/4W						
R310	1-247-871-11	CARBON	47K	5%	1/4W						

STR-DE197

H.PHONE

MAIN

Ref. No.	Part No.	Description	Remark			
		H.PHONE BOARD	*****			
		< CONNECTOR >				
CNP801	1-691-765-11	PLUG (MICRO CONNECTOR) 3P				
		< JACK >				
J803	1-815-314-21	JACK (PHONES)	*****			
		A-4751-167-A MAIN BOARD, COMPLETE (US,CND)				
		A-4751-247-A MAIN BOARD, COMPLETE (AEP)	*****			
		1-533-217-41 HOLDER, FUSE				
		< CAPACITOR >				
C402	1-126-964-11	ELECT	10uF	20%	50V	
C404	1-126-961-11	ELECT	2.2uF	20%	50V	
C406	1-126-964-11	ELECT	10uF	20%	50V	
C408	1-126-964-11	ELECT	10uF	20%	50V	
C410	1-126-961-11	ELECT	2.2uF	20%	50V	
C412	1-126-964-11	ELECT	10uF	20%	50V	
C413	1-126-963-11	ELECT	4.7uF	20%	50V	
C414	1-136-167-00	FILM	0.15uF	5%	50V	
C415	1-136-167-00	FILM	0.15uF	5%	50V	
C416	1-137-190-11	FILM	0.22uF	5%	50V	
C417	1-137-190-11	FILM	0.22uF	5%	50V	
C418	1-136-287-11	FILM	0.0047uF	5%	100V	
C419	1-126-964-11	ELECT	10uF	20%	50V	
C420	1-126-963-11	ELECT	4.7uF	20%	50V	
C421	1-164-159-11	CERAMIC	0.1uF		50V	
C422	1-126-965-11	ELECT	22uF	20%	50V	
C424	1-126-961-11	ELECT	2.2uF	20%	50V	
C425	1-126-965-11	ELECT	22uF	20%	50V	
C426	1-126-964-11	ELECT	10uF	20%	50V	
C452	1-126-964-11	ELECT	10uF	20%	50V	
C454	1-126-961-11	ELECT	2.2uF	20%	50V	
C456	1-126-964-11	ELECT	10uF	20%	50V	
C458	1-126-964-11	ELECT	10uF	20%	50V	
C460	1-126-961-11	ELECT	2.2uF	20%	50V	
C462	1-126-964-11	ELECT	10uF	20%	50V	
C463	1-126-963-11	ELECT	4.7uF	20%	50V	
C464	1-136-167-00	FILM	0.15uF	5%	50V	
C465	1-136-167-00	FILM	0.15uF	5%	50V	
C466	1-137-190-11	FILM	0.22uF	5%	50V	
C467	1-137-190-11	FILM	0.22uF	5%	50V	
C468	1-136-287-11	FILM	0.0047uF	5%	100V	
C469	1-126-964-11	ELECT	10uF	20%	50V	
C470	1-126-963-11	ELECT	4.7uF	20%	50V	
C471	1-164-159-11	CERAMIC	0.1uF		50V	
C472	1-126-965-11	ELECT	22uF	20%	50V	
C474	1-126-961-11	ELECT	2.2uF	20%	50V	
C475	1-126-965-11	ELECT	22uF	20%	50V	
C476	1-126-964-11	ELECT	10uF	20%	50V	
C483	1-126-965-11	ELECT	22uF	20%	50V	
C484	1-126-964-11	ELECT	10uF	20%	50V	
C485	1-164-159-11	CERAMIC	0.1uF		50V	

Ref. No.	Part No.	Description	Remark			
C490	1-126-925-11	ELECT	470uF	20%	10V	
C602	1-128-809-11	CERAMIC	100PF	5%	50V	
C603	1-107-583-11	CERAMIC	3PF	0.25PF	500V	
C604	1-128-817-11	CERAMIC	470PF	5%	50V	
C605	1-107-583-11	CERAMIC	3PF	0.25PF	500V	
C606	1-126-933-11	ELECT	100uF	20%	16V	
C607	1-126-963-11	ELECT	4.7uF	20%	50V	
C608	1-162-815-11	CERAMIC	47PF	5%	500V	
C652	1-128-809-11	CERAMIC	100PF	5%	50V	
C653	1-107-583-11	CERAMIC	3PF	0.25PF	500V	
C654	1-128-817-11	CERAMIC	470PF	5%	50V	
C655	1-107-583-11	CERAMIC	3PF	0.25PF	500V	
C656	1-126-933-11	ELECT	100uF	20%	16V	
C657	1-126-963-11	ELECT	4.7uF	20%	50V	
C658	1-162-815-11	CERAMIC	47PF	5%	500V	
C701	1-126-947-11	ELECT	47uF	20%	35V	
C702	1-162-815-11	CERAMIC	47PF	5%	500V	
C703	1-162-815-11	CERAMIC	47PF	5%	500V	
C704	1-128-813-11	CERAMIC	220PF	5%	50V	
C705	1-137-372-11	MYLAR	0.022uF	5%	50V	
C751	1-126-947-11	ELECT	47uF	20%	35V	
C752	1-162-815-11	CERAMIC	47PF	5%	500V	
C753	1-162-815-11	CERAMIC	47PF	5%	500V	
C754	1-128-813-11	CERAMIC	220PF	5%	50V	
C755	1-137-372-11	MYLAR	0.022uF	5%	50V	
C781	1-126-923-11	ELECT	220uF	20%	10V	
C782	1-126-964-11	ELECT	10uF	20%	50V	
C791	1-164-159-11	CERAMIC	0.1uF		50V	
C901	1-164-159-11	CERAMIC	0.1uF		50V	
C902	1-164-159-11	CERAMIC	0.1uF		50V	
C903	1-164-159-11	CERAMIC	0.1uF		50V	
C904	1-126-960-11	ELECT	1uF	20%	50V	
C905	1-126-936-11	ELECT	3300uF	20%	16V	
C906	1-164-159-11	CERAMIC	0.1uF		50V	
C907	1-164-159-11	CERAMIC	0.1uF		50V	
C908	1-126-964-11	ELECT	10uF	20%	50V	
C909	1-126-957-11	ELECT	0.22uF	20%	50V	
C910	1-164-159-11	CERAMIC	0.1uF		50V	
C911	1-164-159-11	CERAMIC	0.1uF		50V	
C912	1-135-851-21	MYLAR	0.22uF		100V	
C913	1-135-851-21	MYLAR	0.22uF		100V	
C914	1-165-946-11	ELECT	6800uF	20%	71V	
C915	1-165-946-11	ELECT	6800uF	20%	71V	
C916	1-164-159-11	CERAMIC	0.1uF		50V	
C917	1-164-159-11	CERAMIC	0.1uF		50V	
C918	1-126-944-11	ELECT	3300uF	20%	25V	
C919	1-126-947-11	ELECT	47uF	20%	35V	
C920	1-126-947-11	ELECT	47uF	20%	35V	
C921	1-126-947-11	ELECT	47uF	20%	35V	
C922	1-164-159-11	CERAMIC	0.1uF		50V	
C923	1-126-947-11	ELECT	47uF	20%	35V	
C924	1-164-159-11	CERAMIC	0.1uF		50V	
C925	1-126-933-11	ELECT	100uF	20%	16V	
C926	1-164-159-11	CERAMIC	0.1uF		50V	
C927	1-126-947-11	ELECT	47uF	20%	35V	
C928	1-126-967-11	ELECT	47uF	20%	50V	
C929	1-128-560-11	ELECT	22uF	20%	100V	
C930	1-128-560-11	ELECT	22uF	20%	100V	

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C931	1-164-159-11	CERAMIC	0.1uF	50V	D789	8-719-991-33	DIODE 1SS133T-77
C940	1-126-947-11	ELECT	47uF	20%	D901	6-500-522-11	DIODE 10EDB40-TA2B5
				(AEP)	D902	6-500-522-11	DIODE 10EDB40-TA2B5
C941	1-164-159-11	CERAMIC	0.1uF	50V	D903	6-500-522-11	DIODE 10EDB40-TA2B5
				(AEP)	D904	6-500-522-11	DIODE 10EDB40-TA2B5
C942	1-164-159-11	CERAMIC	0.1uF	50V	D905	8-719-991-33	DIODE 1SS133T-77
CC401	1-128-809-11	CERAMIC	100PF	5%	D906	8-719-991-33	DIODE 1SS133T-77
				(AEP)	D907	8-719-072-05	DIODE RBV-602LF-A
CC403	1-128-809-11	CERAMIC	100PF	5%	D908	6-500-522-11	DIODE 10EDB40-TA2B5
				(AEP)	D909	6-500-522-11	DIODE 10EDB40-TA2B5
CC405	1-128-809-11	CERAMIC	100PF	5%	D910	6-500-522-11	DIODE 10EDB40-TA2B5
				(AEP)	D911	6-500-522-11	DIODE 10EDB40-TA2B5
CC407	1-128-809-11	CERAMIC	100PF	5%	D912	8-719-986-54	DIODE HZS24-1LTA
				(AEP)	D913	8-719-109-89	DIODE RD5.6ESB2
CC409	1-128-809-11	CERAMIC	100PF	5%	D914	6-500-522-11	DIODE 10EDB40-TA2B5
				(AEP)	D915	8-719-109-89	DIODE RD5.6ESB2 (AEP)
CC411	1-128-809-11	CERAMIC	100PF	5%	D981	8-719-991-33	DIODE 1SS133T-77
				(AEP)	D982	8-719-991-33	DIODE 1SS133T-77
CC451	1-128-809-11	CERAMIC	100PF	5%			< EARTH TERMINAL >
				(AEP)	* EP901	1-537-738-21	TERMINAL, EARTH
CC453	1-128-809-11	CERAMIC	100PF	5%			< IC >
				(AEP)	IC401	6-700-261-01	IC BD3861FS
CC455	1-128-809-11	CERAMIC	100PF	5%	IC402	8-759-534-63	IC TC9299P
				(AEP)	IC403	8-759-167-88	IC NJM4565D
CC457	1-128-809-11	CERAMIC	100PF	5%	IC404	8-759-932-33	IC BU4066BC
				(AEP)	IC601	6-705-630-01	IC STK350-430
CC459	1-128-809-11	CERAMIC	100PF	5%	IC901	8-759-333-83	IC NJM2103D
				(AEP)	IC902	8-759-231-53	IC TA7805S
CC461	1-128-809-11	CERAMIC	100PF	5%	IC903	8-759-231-57	IC TA7810S
				(AEP)	IC904	6-702-771-01	IC TA78033LS
CC701	1-127-876-11	CERAMIC	0.01uF	10%	IC905	8-759-167-88	IC NJM4565D (AEP)
				(AEP)	IC906	8-759-243-51	IC TC74ACT08P
CC702	1-127-876-11	CERAMIC	0.01uF	10%	IC907	8-759-245-84	IC TA79010S (AEP)
				(AEP)			< JACK >
CC751	1-127-876-11	CERAMIC	0.01uF	10%	J801	1-774-411-11	JACK, PIN 6P (CD IN,MD/TAPE OUT, MD/TAPE IN)
				(AEP)	J802	1-774-411-11	JACK, PIN 6P (VIDEO 2 AUDIO IN, VIDEO 1 AUDIO OUT/AUDIO IN)
CC752	1-127-876-11	CERAMIC	0.01uF	10%			< COIL >
				(AEP)	L701	1-420-872-52	COIL, AIR-CORE
					L751	1-420-872-52	COIL, AIR-CORE
							< TRANSISTOR >
< CONNECTOR >					Q424	8-729-029-86	TRANSISTOR DTC124ESA
CNP901	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P			Q474	8-729-029-86	TRANSISTOR DTC124ESA
* CNP902	1-565-792-11	PIN, CONNECTOR (3.96mm PITCH) 2P			Q701	8-729-119-76	TRANSISTOR 2SA1175-HFE
* CNP903	1-564-242-00	PIN, CONNECTOR (3.96mm PITCH) 5P			Q702	8-729-141-30	TRANSISTOR 2SC3623A-LK
CNP904	1-691-767-11	PLUG (MICRO CONNECTOR) 5P			Q705	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP
CNS1	1-568-830-11	CONNECTOR, FFC 11P (US,CND)			Q706	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP
					Q751	8-729-119-76	TRANSISTOR 2SA1175-HFE
CNS1	1-784-776-11	CONNECTOR, FFC 15P (AEP)			Q752	8-729-141-30	TRANSISTOR 2SC3623A-LK
CNS2	1-784-776-11	CONNECTOR, FFC 15P (US,CND)			Q755	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP
CNS2	1-784-778-11	CONNECTOR, FFC 17P (AEP)			Q756	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP
CNS3	1-784-776-11	CONNECTOR, FFC 15P					
< DIODE >							
D701	8-719-991-33	DIODE 1SS133T-77					
D751	8-719-991-33	DIODE 1SS133T-77					
D781	8-719-991-33	DIODE 1SS133T-77					
D782	8-719-991-33	DIODE 1SS133T-77					
D783	8-719-991-33	DIODE 1SS133T-77					
D784	8-719-991-33	DIODE 1SS133T-77					
D785	8-719-991-33	DIODE 1SS133T-77					
D786	8-719-991-33	DIODE 1SS133T-77					
D787	8-719-991-33	DIODE 1SS133T-77					
D788	8-719-991-33	DIODE 1SS133T-77					

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
Q781	8-729-119-79	TRANSISTOR	2SC2785-FEK			R471	1-247-871-11	CARBON	47K	5%	1/4W
Q782	8-729-119-79	TRANSISTOR	2SC2785-FEK			R472	1-247-863-11	CARBON	22K	5%	1/4W
Q783	8-729-119-79	TRANSISTOR	2SC2785-FEK			R473	1-247-863-11	CARBON	22K	5%	1/4W
Q784	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP			R474	1-249-429-11	CARBON	10K	5%	1/4W
Q785	8-729-119-79	TRANSISTOR	2SC2785-FEK			R475	1-247-847-11	CARBON	4.7K	5%	1/4W
Q786	8-729-140-84	TRANSISTOR	2SC1841-PAFAEA			R476	1-247-847-11	CARBON	4.7K	5%	1/4W
Q901	8-729-119-79	TRANSISTOR	2SC2785-FEK			R477	1-247-879-11	CARBON	100K	5%	1/4W
Q902	8-729-045-21	TRANSISTOR	2SD1513TP-LK			R478	1-247-879-11	CARBON	100K	5%	1/4W
Q903	8-729-119-79	TRANSISTOR	2SC2785-FEK			R481	1-247-807-31	CARBON	100	5%	1/4W
Q904	8-729-140-97	TRANSISTOR	2SB734-34			R482	1-247-807-31	CARBON	100	5%	1/4W
Q905	8-729-029-86	TRANSISTOR	DTC124ESA (AEP)			R483	1-247-807-31	CARBON	100	5%	1/4W
Q906	8-729-029-86	TRANSISTOR	DTC124ESA (AEP)			R484	1-247-807-31	CARBON	100	5%	1/4W
< RESISTOR >						R485	1-247-807-31	CARBON	100	5%	1/4W
R401	1-247-847-11	CARBON	4.7K	5%	1/4W	R602	1-249-439-11	CARBON	68K	5%	1/4W
R402	1-247-847-11	CARBON	4.7K	5%	1/4W	R603	1-249-439-11	CARBON	68K	5%	1/4W
R403	1-249-421-11	CARBON	2.2K	5%	1/4W	R604	1-247-831-11	CARBON	1K	5%	1/4W
R404	1-249-421-11	CARBON	2.2K	5%	1/4W	R605	1-247-831-11	CARBON	1K	5%	1/4W
R405	1-247-847-11	CARBON	4.7K	5%	1/4W	R606	1-247-879-11	CARBON	100K	5%	1/4W
R406	1-247-847-11	CARBON	4.7K	5%	1/4W	R652	1-249-439-11	CARBON	68K	5%	1/4W
R407	1-247-847-11	CARBON	4.7K	5%	1/4W	R653	1-249-439-11	CARBON	68K	5%	1/4W
R408	1-247-847-11	CARBON	4.7K	5%	1/4W	R654	1-247-831-11	CARBON	1K	5%	1/4W
R409	1-249-421-11	CARBON	2.2K	5%	1/4W	R655	1-247-831-11	CARBON	1K	5%	1/4W
R410	1-249-421-11	CARBON	2.2K	5%	1/4W	R656	1-247-879-11	CARBON	100K	5%	1/4W
R411	1-247-847-11	CARBON	4.7K	5%	1/4W	R697	1-247-879-11	CARBON	100K	5%	1/4W
R412	1-247-847-11	CARBON	4.7K	5%	1/4W	R701	1-249-421-11	CARBON	2.2K	5%	1/4W
R413	1-247-843-11	CARBON	3.3K	5%	1/4W	R702	1-249-440-11	CARBON	82K	5%	1/4W
R414	1-247-843-11	CARBON	3.3K	5%	1/4W	R703	1-249-414-11	CARBON	560	5%	1/4W
R415	1-247-831-11	CARBON	1K	5%	1/4W	R704	1-249-402-11	CARBON	56	5%	1/4W F
R416	1-247-871-11	CARBON	47K	5%	1/4W	R705	1-249-402-11	CARBON	56	5%	1/4W F
R417	1-247-863-11	CARBON	22K	5%	1/4W	R706	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2 5W			
R418	1-247-863-11	CARBON	22K	5%	1/4W	R707	1-247-847-11	CARBON	4.7K	5%	1/4W
R421	1-247-871-11	CARBON	47K	5%	1/4W	R708	1-240-855-81	CARBON	6.2K	5%	1/4W F
R422	1-247-863-11	CARBON	22K	5%	1/4W	R709	1-249-419-11	CARBON	1.5K	5%	1/4W
R423	1-247-863-11	CARBON	22K	5%	1/4W	R710	1-247-881-00	CARBON	120K	5%	1/4W
R424	1-249-429-11	CARBON	10K	5%	1/4W	R711	1-249-431-11	CARBON	15K	5%	1/4W
R425	1-247-847-11	CARBON	4.7K	5%	1/4W	R712	1-249-393-11	CARBON	10	5%	1/4W F
R426	1-247-847-11	CARBON	4.7K	5%	1/4W	R713	1-247-871-11	CARBON	47K	5%	1/4W
R427	1-247-879-11	CARBON	100K	5%	1/4W	R714	1-249-389-11	CARBON	4.7	5%	1/4W F
R428	1-247-879-11	CARBON	100K	5%	1/4W	R751	1-249-421-11	CARBON	2.2K	5%	1/4W
R451	1-247-847-11	CARBON	4.7K	5%	1/4W	R752	1-249-440-11	CARBON	82K	5%	1/4W
R452	1-247-847-11	CARBON	4.7K	5%	1/4W	R753	1-249-414-11	CARBON	560	5%	1/4W
R453	1-249-421-11	CARBON	2.2K	5%	1/4W	R754	1-249-402-11	CARBON	56	5%	1/4W F
R454	1-249-421-11	CARBON	2.2K	5%	1/4W	R755	1-249-402-11	CARBON	56	5%	1/4W F
R455	1-247-847-11	CARBON	4.7K	5%	1/4W	R756	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2 5W			
R456	1-247-847-11	CARBON	4.7K	5%	1/4W	R757	1-247-847-11	CARBON	4.7K	5%	1/4W
R457	1-247-847-11	CARBON	4.7K	5%	1/4W	R758	1-240-855-81	CARBON	6.2K	5%	1/4W F
R458	1-247-847-11	CARBON	4.7K	5%	1/4W	R759	1-249-419-11	CARBON	1.5K	5%	1/4W
R459	1-249-421-11	CARBON	2.2K	5%	1/4W	R760	1-247-881-00	CARBON	120K	5%	1/4W
R460	1-249-421-11	CARBON	2.2K	5%	1/4W	R761	1-249-431-11	CARBON	15K	5%	1/4W
R461	1-247-847-11	CARBON	4.7K	5%	1/4W	R762	1-249-393-11	CARBON	10	5%	1/4W F
R462	1-247-847-11	CARBON	4.7K	5%	1/4W	R763	1-247-871-11	CARBON	47K	5%	1/4W
R463	1-247-843-11	CARBON	3.3K	5%	1/4W	R764	1-249-389-11	CARBON	4.7	5%	1/4W F
R464	1-247-843-11	CARBON	3.3K	5%	1/4W	R781	1-247-847-11	CARBON	4.7K	5%	1/4W
R465	1-247-831-11	CARBON	1K	5%	1/4W	R782	1-247-847-11	CARBON	4.7K	5%	1/4W
R466	1-247-871-11	CARBON	47K	5%	1/4W	R783	1-247-847-11	CARBON	4.7K	5%	1/4W
R467	1-247-863-11	CARBON	22K	5%	1/4W	R784	1-249-404-00	CARBON	82	5%	1/4W F
R468	1-247-863-11	CARBON	22K	5%	1/4W	R785	1-249-404-00	CARBON	82	5%	1/4W F
						R786	1-247-847-11	CARBON	4.7K	5%	1/4W

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

Ref. No.	Part No.	Description	Remark
S225	1-771-410-21	SWITCH, TACTILE (TREBLE +)	
S226	1-771-410-21	SWITCH, TACTILE (BASS +)	
S227	1-771-410-21	SWITCH, TACTILE (BALANCE L)	
S228	1-771-410-21	SWITCH, TACTILE (TREBLE -)	
S229	1-771-410-21	SWITCH, TACTILE (BASS -)	

MISCELLANEOUS			

55	1-773-026-11	WIRE (FLAT TYPE) (15 CORE)	
59	1-773-026-11	WIRE (FLAT TYPE) (15 CORE) (US,CND)	
59	1-773-060-11	WIRE (FLAT TYPE) (17 CORE) (AEP)	
△ 105	1-777-071-23	CORD, POWER (AEP)	
△ 105	1-783-820-11	CORD, POWER (US,CND)	
107	1-769-942-11	WIRE (FLAT TYPE) (11 CORE) (US,CND)	
107	1-773-006-11	WIRE (FLAT TYPE) (15 CORE) (AEP)	
△ F901	1-533-453-12	FUSE, GLASS TUBE (DIA.5) (5A/125V)	(US,CND)
△ F901	1-533-469-12	FUSE, GLASS TUBE (DIA.5) (T2.5AL/250V)	(AEP)
△ F902	1-533-453-12	FUSE, GLASS TUBE (DIA.5) (5A/125V)	(US,CND)
△ F902	1-533-469-12	FUSE, GLASS TUBE (DIA.5) (T2.5AL/250V)	(AEP)
Q703	8-749-010-25	TRANSISTOR MN2488-OPY-M	
Q704	8-749-010-26	TRANSISTOR MP1620-OPY-M	
Q753	8-749-010-25	TRANSISTOR MN2488-OPY-M	
Q754	8-749-010-26	TRANSISTOR MP1620-OPY-M	
△ T901	1-443-188-11	TRANSFORMER, POWER (US,CND)	
△ T901	1-443-189-11	TRANSFORMER, POWER (AEP)	
TN1	1-693-577-13	TUNER PACK (ANTENNA) (US,CND)	
TN1	1-693-578-13	TUNER PACK (ANTENNA) (AEP)	

ACCESSORIES			

1-477-133-11	COMMANDER, STANDARD (RM-U185)		
1-501-374-12	ANTENNA, LOOP (AM)		
1-501-807-12	ANTENNA (FM) (AEP)		
1-793-184-23	CONNECTOR (F TYPE ADAPTOR) (FM)		
	(US,CND)		
4-228-696-01	COVER, BATTERY (for RM-U185)		
4-253-437-11	MANUAL, INSTRUCTION (ENGLISH)		
4-253-437-21	MANUAL, INSTRUCTION (FRENCH,DUTCH, SWEDISH,GERMAN,SPANISH, ITALIAN,POLISH) (AEP)		
4-253-437-31	MANUAL, INSTRUCTION (DANISH,FINNISH)		
	(AEP)		
4-253-437-41	MANUAL, INSTRUCTION (PORTUGUESE) (AEP)		

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.
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STR-DE197

SONY®

SERVICE MANUAL

Ver. 1.3 2006. 09

US Model
Canadian Model
AEP Model

SUPPLEMENT-1

File this supplement with the service manual.

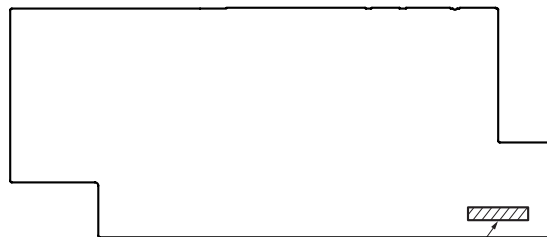
Subject: Change the MAIN, DISPLAY, VOLUME, H.PHONE, POWER, FUNCTION KEY and AC OUTLET boards.

Printed wiring board and schematic diagram of new type, and changed parts list are described in this Supplement-1.

When performing service and inspection, check the part number of the MAIN, DISPLAY, VOLUME, H.PHONE, POWER, FUNCTION KEY and AC OUTLET boards.

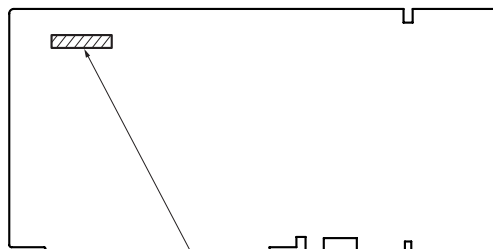
DISCRIMINATION

— MAIN BOARD (COMPONENT SIDE) —



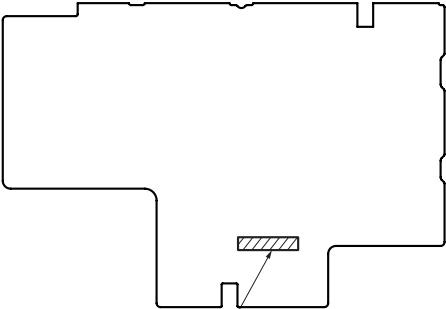
MAIN BOARD Part No.
Former : 1-861-592-11
New : 1-871-790-11

— DISPLAY BOARD (COMPONENT SIDE) —



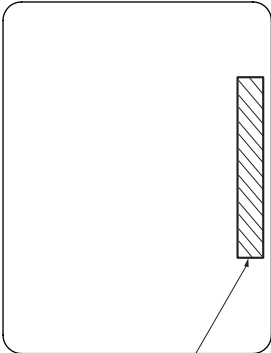
DISPLAY BOARD Part No.
Former : 1-861-586-11
New : 1-871-791-11

— VOLUME BOARD (COMPONENT SIDE) —



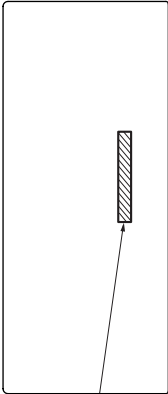
VOLUME BOARD Part No.
Former : 1-861-587-11
New : 1-871-792-11

— H.PHONE BOARD (COMPONENT SIDE) —



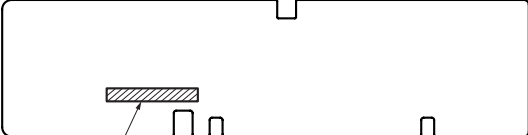
H.PHONE BOARD Part No.
Former : 1-861-590-11
New : 1-871-793-11

— POWER BOARD (COMPONENT SIDE) —



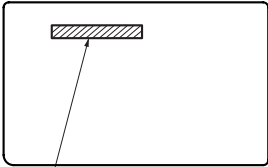
POWER BOARD Part No.
Former : 1-861-591-11
New : 1-871-794-11

— FUNCTION KEY BOARD (COMPONENT SIDE) —



FUNCTION KEY BOARD Part No.
Former : 1-861-588-11
New : 1-871-795-11

— AC OUTLET BOARD (COMPONENT SIDE) —



AC OUTLET BOARD Part No.
Former : 1-861-589-11
New : 1-871-796-11

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6. Electrical Parts List 9

THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this, the necessary note is printed in each block.)

for schematic diagram:

- All capacitors are in μF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}W$ or less unless otherwise specified.
- Δ : internal component.
-  : nonflammable resistor.
-  : fusible resistor.
-  : panel designation.

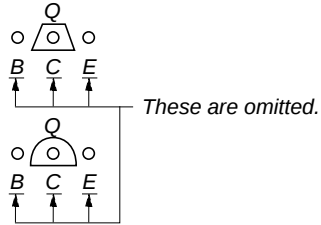
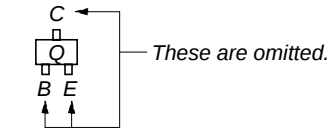
Note:
The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

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

-  : B+ Line.
-  : B– Line.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
no mark : FM
- Voltages are taken with a VOM (Input impedance 10 M Ω). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
 : TUNER (FM/AM)
 : VIDEO (AUDIO)
 : CD (ANALOG)
- Abbreviation
CND : Canadian model.
- (()): Page of Supplement-1.

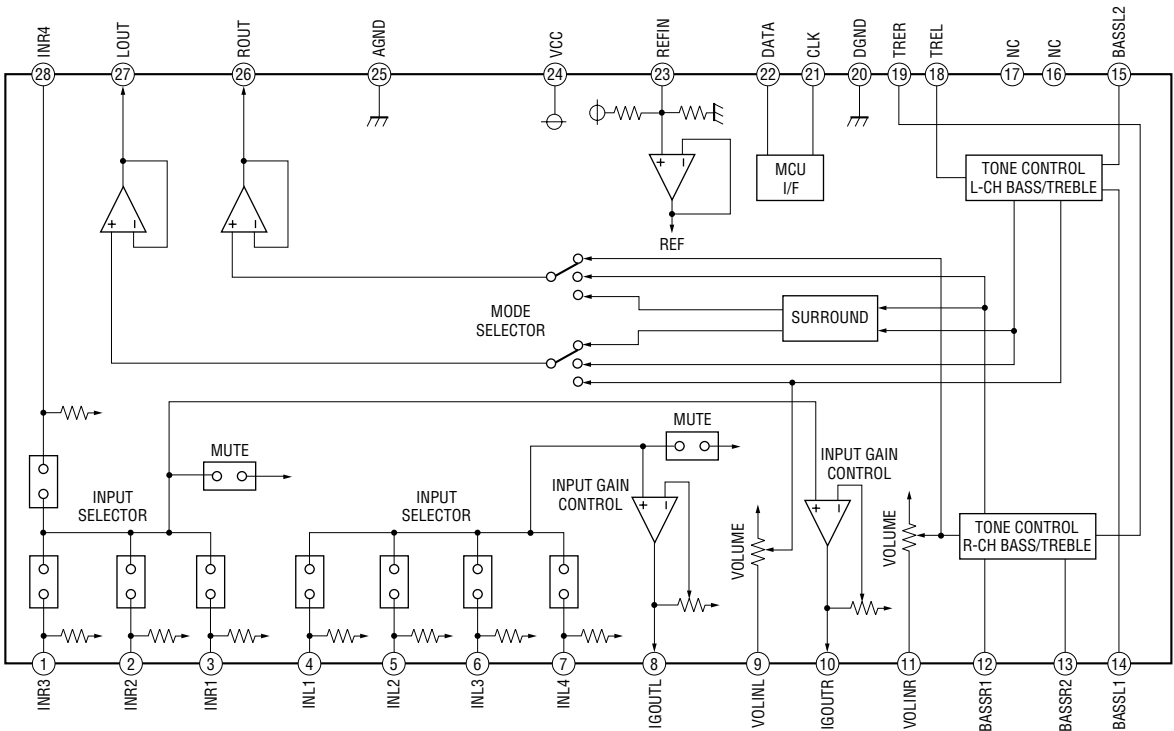
for printed wiring boards:

-  : parts extracted from the component side.
- Δ : internal component.
-  : Pattern from the side which enables seeing.
- Abbreviation
CND : Canadian model.
- (()): Page of Supplement-1.

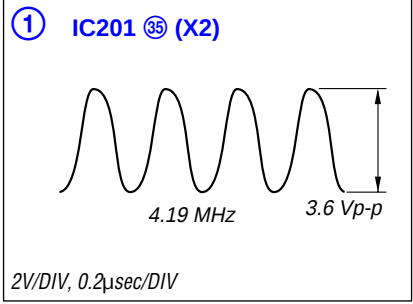


• IC Block Diagram

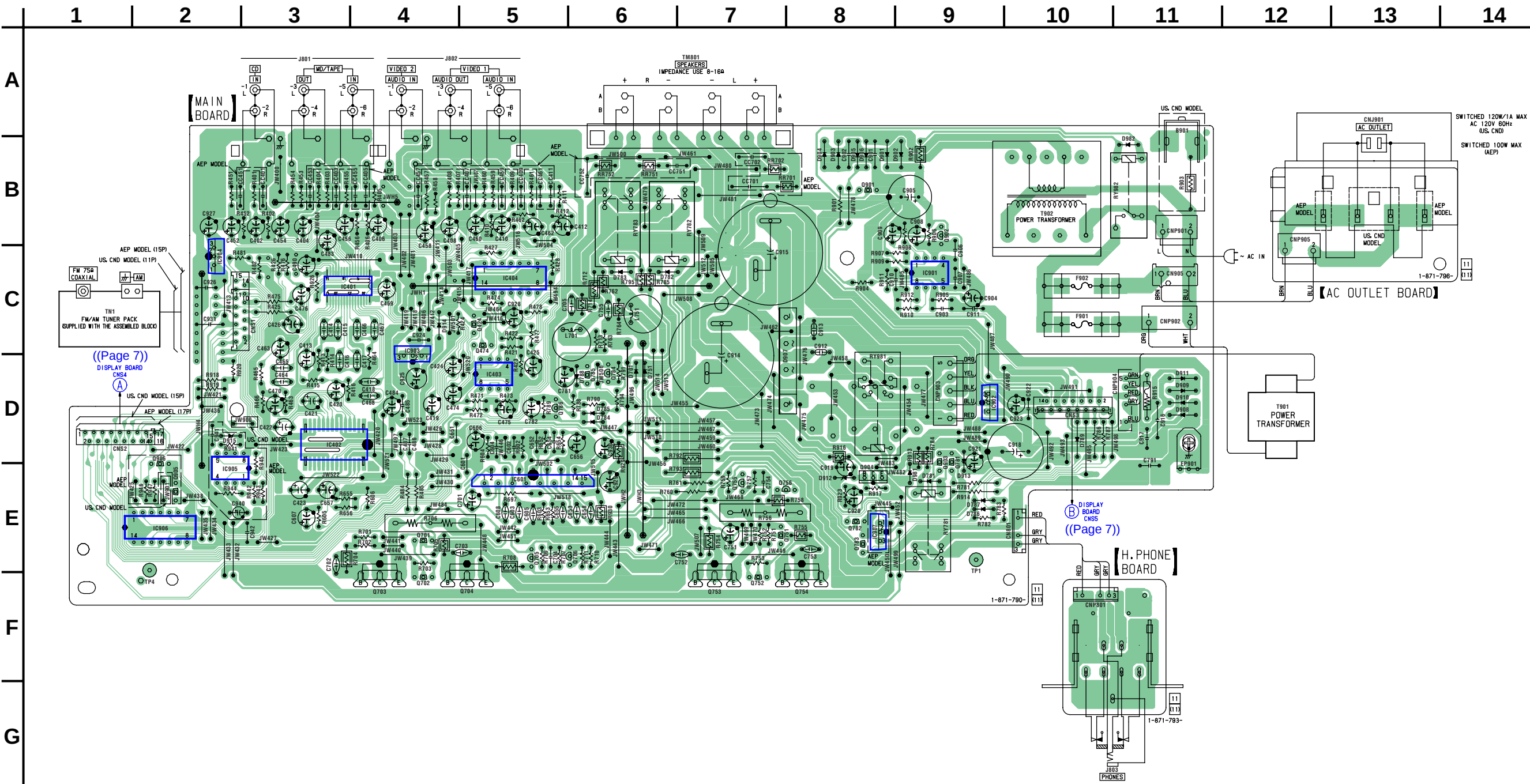
IC402 R2S15904SP



• Waveform



1. PRINTED WIRING BOARDS — MAIN SECTION — • Refer to page 13 of Service Manual for Circuit Boards Location. : Uses unleaded solder.



• Semiconductor Location

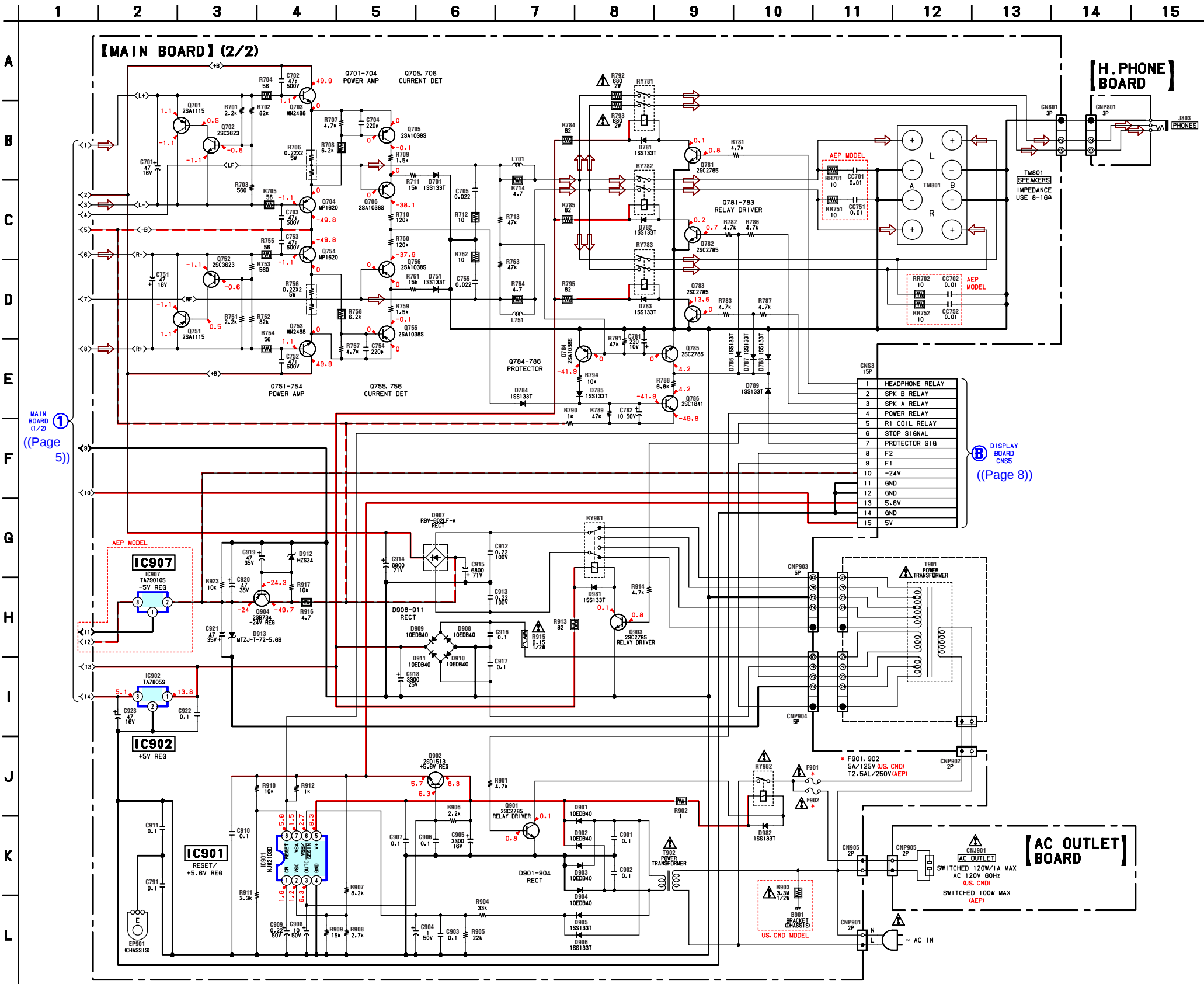
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D701	D-6	D907	D-7	IC901	C-9	Q752	F-7
D751	D-6	D908	D-11	IC902	D-9	Q753	F-7
D781	E-9	D909	D-11	IC903	C-4	Q754	F-8
D782	C-6	D910	D-11	IC904	C-2	Q755	E-7
D783	C-6	D911	D-11	(IC905)	E-2	Q756	E-7
D784	D-6	D912	E-8	IC906	E-2	Q781	D-9
D785	D-6	D913	E-9	(IC907)	E-8	Q782	E-8
D786	E-9	D914	C-4			Q783	E-8
D787	E-9	(D915)	D-2	Q424	C-5	Q784	D-6
D788	D-6	D981	E-9	Q474	C-5	Q785	D-6
D789	D-10	D982	B-11	Q701	E-4	Q786	D-5
D901	B-8			Q702	F-4	Q901	B-8
D902	B-9	IC401	C-3	Q703	F-4	Q902	B-9
D903	B-8	IC402	D-3	Q704	F-5	Q903	D-9
D904	B-8	IC403	D-5	Q705	E-5	Q904	E-8
D905	B-8	IC404	C-5	Q706	E-6	(Q905)	E-2
D906	B-8	IC601	E-5	Q751	E-7	(Q906)	D-2

() : AEP model only

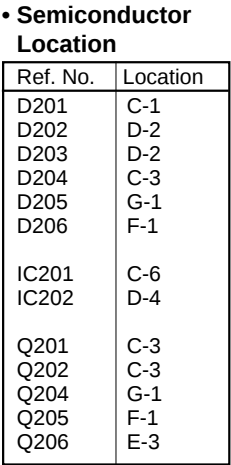
5



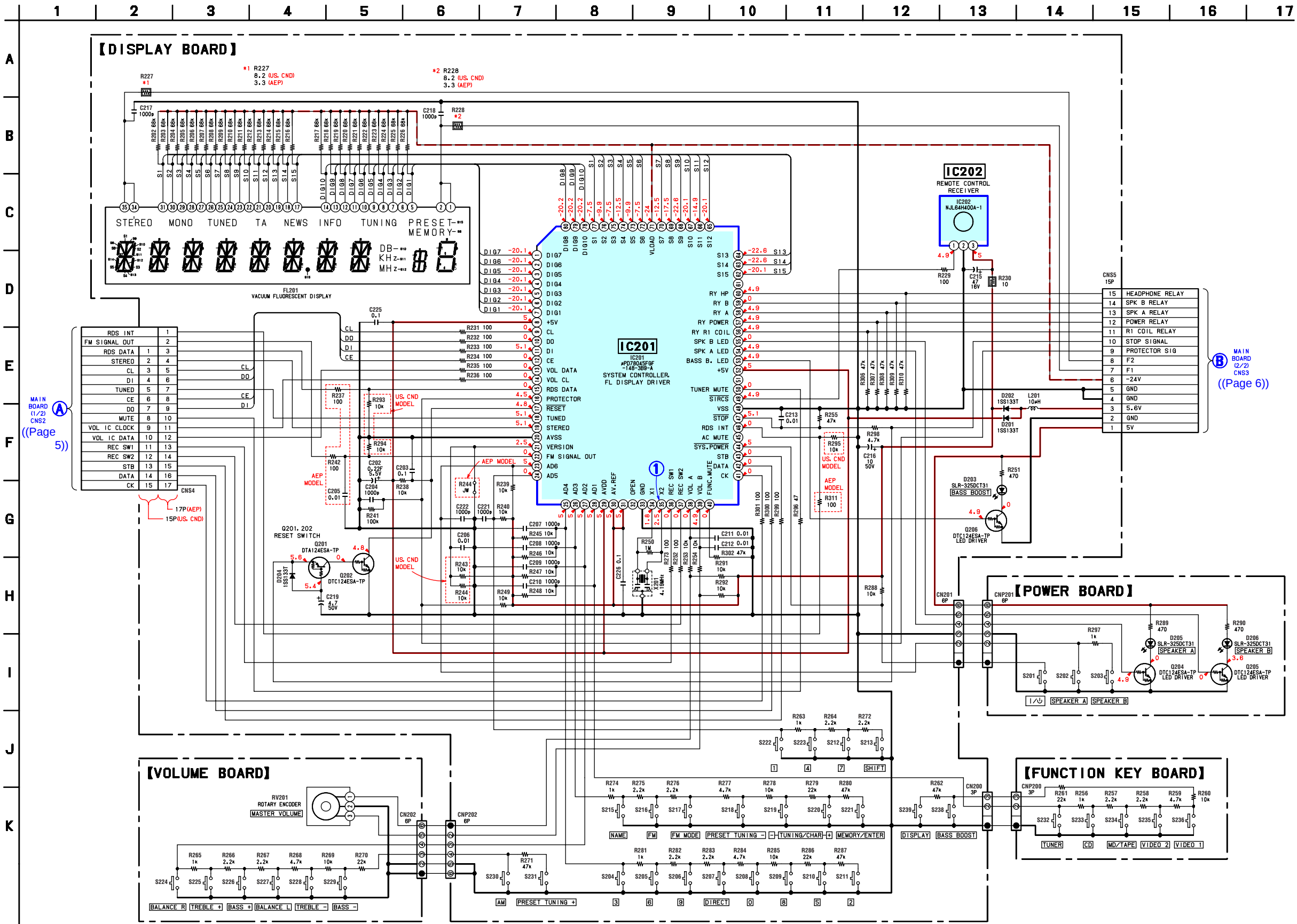
3. SCHEMATIC DIAGRAM — MAIN SECTION (2/2) —



7 7



5. SCHEMATIC DIAGRAM — PANEL SECTION — • Refer to page 3 of Supplement-1 for Waveform.



STR-DE197

DISPLAY

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R222	1-249-439-11	CARBON	68K	5%	1/4W	R283	1-249-421-11	CARBON	2.2K	5%	1/4W
R223	1-249-439-11	CARBON	68K	5%	1/4W	R284	1-247-847-11	CARBON	4.7K	5%	1/4W
R224	1-249-439-11	CARBON	68K	5%	1/4W	R285	1-249-429-11	CARBON	10K	5%	1/4W
R225	1-249-439-11	CARBON	68K	5%	1/4W	R286	1-247-863-11	CARBON	22K	5%	1/4W
R226	1-249-439-11	CARBON	68K	5%	1/4W	R287	1-247-871-11	CARBON	47K	5%	1/4W
R227	1-249-387-81	CARBON	3.3	5%	1/4W F (AEP)	R288	1-249-429-11	CARBON	10K	5%	1/4W
R227	1-249-392-81	CARBON	8.2	5%	1/4W F (US,CND)	R291	1-249-429-11	CARBON	10K	5%	1/4W
R228	1-249-387-81	CARBON	3.3	5%	1/4W F (AEP)	R292	1-249-429-11	CARBON	10K	5%	1/4W
R228	1-249-392-81	CARBON	8.2	5%	1/4W F (US,CND)	R293	1-249-429-11	CARBON	10K	5%	1/4W (US,CND)
R229	1-247-807-31	CARBON	100	5%	1/4W	R294	1-249-429-11	CARBON	10K	5%	1/4W (US,CND)
R230	1-249-393-11	CARBON	10	5%	1/4W F	R295	1-249-429-11	CARBON	10K	5%	1/4W (US,CND)
R231	1-247-807-31	CARBON	100	5%	1/4W	R296	1-249-401-11	CARBON	47	5%	1/4W
R232	1-247-807-31	CARBON	100	5%	1/4W	R298	1-247-847-11	CARBON	4.7K	5%	1/4W
R233	1-247-807-31	CARBON	100	5%	1/4W	R299	1-247-807-31	CARBON	100	5%	1/4W
R234	1-247-807-31	CARBON	100	5%	1/4W	R300	1-247-807-31	CARBON	100	5%	1/4W
R235	1-247-807-31	CARBON	100	5%	1/4W	R301	1-247-807-31	CARBON	100	5%	1/4W
R236	1-247-807-31	CARBON	100	5%	1/4W	R302	1-247-871-11	CARBON	47K	5%	1/4W
R237	1-247-807-31	CARBON	100	5%	1/4W (AEP)	R306	1-247-871-11	CARBON	47K	5%	1/4W
R238	1-249-429-11	CARBON	10K	5%	1/4W	R307	1-247-871-11	CARBON	47K	5%	1/4W
R239	1-249-429-11	CARBON	10K	5%	1/4W	R308	1-247-871-11	CARBON	47K	5%	1/4W
R240	1-249-429-11	CARBON	10K	5%	1/4W	R309	1-247-871-11	CARBON	47K	5%	1/4W
R241	1-247-879-11	CARBON	100K	5%	1/4W	R310	1-247-871-11	CARBON	47K	5%	1/4W
R242	1-247-807-31	CARBON	100	5%	1/4W (AEP)	R311	1-247-807-31	CARBON	100	5%	1/4W (AEP)
R243	1-249-429-11	CARBON	10K	5%	1/4W (US,CND)	< SWITCH >					
R244	1-249-429-11	CARBON	10K	5%	1/4W (US,CND)	S204	1-771-410-21	SWITCH, TACTILE (3)			
R245	1-249-429-11	CARBON	10K	5%	1/4W	S205	1-771-410-21	SWITCH, TACTILE (6)			
R246	1-249-429-11	CARBON	10K	5%	1/4W	S206	1-771-410-21	SWITCH, TACTILE (9)			
R247	1-249-429-11	CARBON	10K	5%	1/4W	S207	1-771-410-21	SWITCH, TACTILE (DIRECT)			
R248	1-249-429-11	CARBON	10K	5%	1/4W	S208	1-771-410-21	SWITCH, TACTILE (0)			
R249	1-249-429-11	CARBON	10K	5%	1/4W	S209	1-771-410-21	SWITCH, TACTILE (8)			
R250	1-247-903-00	CARBON	1M	5%	1/4W	S210	1-771-410-21	SWITCH, TACTILE (5)			
R251	1-249-413-11	CARBON	470	5%	1/4W	S211	1-771-410-21	SWITCH, TACTILE (2)			
R252	1-247-807-31	CARBON	100	5%	1/4W	S212	1-771-410-21	SWITCH, TACTILE (7)			
R253	1-249-429-11	CARBON	10K	5%	1/4W	S213	1-771-410-21	SWITCH, TACTILE (SHIFT)			
R254	1-249-429-11	CARBON	10K	5%	1/4W	S215	1-771-410-21	SWITCH, TACTILE (NAME)			
R255	1-247-871-11	CARBON	47K	5%	1/4W	S216	1-771-410-21	SWITCH, TACTILE (FM)			
R262	1-247-871-11	CARBON	47K	5%	1/4W	S217	1-771-410-21	SWITCH, TACTILE (FM MODE)			
R263	1-247-831-11	CARBON	1K	5%	1/4W	S218	1-771-410-21	SWITCH, TACTILE (PRESET TUNING -)			
R264	1-249-421-11	CARBON	2.2K	5%	1/4W	S219	1-771-410-21	SWITCH, TACTILE (TUNING/CHAR -)			
R271	1-247-871-11	CARBON	47K	5%	1/4W	S220	1-771-410-21	SWITCH, TACTILE (TUNING/CHAR +)			
R272	1-249-421-11	CARBON	2.2K	5%	1/4W	S221	1-771-410-21	SWITCH, TACTILE (MEMORY/ENTER)			
R273	1-247-807-31	CARBON	100	5%	1/4W	S222	1-771-410-21	SWITCH, TACTILE (1)			
R274	1-247-831-11	CARBON	1K	5%	1/4W	S223	1-771-410-21	SWITCH, TACTILE (4)			
R275	1-249-421-11	CARBON	2.2K	5%	1/4W	S230	1-771-410-21	SWITCH, TACTILE (AM)			
R276	1-249-421-11	CARBON	2.2K	5%	1/4W	S231	1-771-410-21	SWITCH, TACTILE (PRESET TUNING +)			
R277	1-247-847-11	CARBON	4.7K	5%	1/4W	S238	1-771-410-21	SWITCH, TACTILE (BASS BOOST)			
R278	1-249-429-11	CARBON	10K	5%	1/4W	S239	1-771-410-21	SWITCH, TACTILE (DISPLAY)			
R279	1-247-863-11	CARBON	22K	5%	1/4W	< VIBRATOR >					
R280	1-247-871-11	CARBON	47K	5%	1/4W	X201	1-795-736-21	VIBRATOR, CERAMIC (4.19MHz)			
R281	1-247-831-11	CARBON	1K	5%	1/4W	*****					
R282	1-249-421-11	CARBON	2.2K	5%	1/4W						

FUNCTION KEY

H.PHONE

MAIN

Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark			
FUNCTION KEY BOARD							C458	1-126-964-11	ELECT	10uF	20%	50V	
*****							C460	1-126-961-11	ELECT	2.2uF	20%	50V	
< RESISTOR >							C462	1-126-964-11	ELECT	10uF	20%	50V	
							C463	1-126-963-11	ELECT	4.7uF	20%	50V	
R256	1-247-831-11	CARBON	1K	5%	1/4W		C464	1-136-167-00	FILM	0.15uF	5%	50V	
R257	1-249-421-11	CARBON	2.2K	5%	1/4W		C465	1-136-167-00	FILM	0.15uF	5%	50V	
R258	1-249-421-11	CARBON	2.2K	5%	1/4W		C466	1-137-190-11	FILM	0.22uF	5%	50V	
R259	1-247-847-11	CARBON	4.7K	5%	1/4W		C467	1-137-190-11	FILM	0.22uF	5%	50V	
R260	1-249-429-11	CARBON	10K	5%	1/4W		C468	1-136-287-11	FILM	0.0047uF	5%	100V	
							C469	1-126-964-11	ELECT	10uF	20%	50V	
R261	1-247-863-11	CARBON	22K	5%	1/4W		C470	1-126-963-11	ELECT	4.7uF	20%	50V	
< SWITCH >							C474	1-126-961-11	ELECT	2.2uF	20%	50V	
S232	1-771-410-21	SWITCH, TACTILE (TUNER)					C475	1-126-965-11	ELECT	22uF	20%	50V	
S233	1-771-410-21	SWITCH, TACTILE (CD)					C476	1-126-964-11	ELECT	10uF	20%	50V	
S234	1-771-410-21	SWITCH, TACTILE (MD/TAPE)					C483	1-126-965-11	ELECT	22uF	20%	50V	
S235	1-771-410-21	SWITCH, TACTILE (VIDEO 2)					C484	1-126-964-11	ELECT	10uF	20%	50V	
S236	1-771-410-21	SWITCH, TACTILE (VIDEO 1)					C485	1-164-159-11	CERAMIC	0.1uF		50V	
*****							C486	1-128-817-11	CERAMIC	470PF	5%	50V	
H.PHONE BOARD							C487	1-128-817-11	CERAMIC	470PF	5%	50V	
*****							C490	1-126-925-11	ELECT	470uF	20%	10V	
< CONNECTOR >							C602	1-128-809-11	CERAMIC	100PF	5%	50V	
							C603	1-107-583-11	CERAMIC	3PF	0.25PF	500V	
CNP801	1-691-765-11	PLUG (MICRO CONNECTOR) 3P					C604	1-128-817-11	CERAMIC	470PF	5%	50V	
							C605	1-107-583-11	CERAMIC	3PF	0.25PF	500V	
< JACK >							C606	1-126-933-11	ELECT	100uF	20%	16V	
J803	1-815-314-21	JACK (PHONES)					C607	1-126-963-11	ELECT	4.7uF	20%	50V	
*****							C608	1-162-815-11	CERAMIC	47PF	5%	500V	
							C652	1-128-809-11	CERAMIC	100PF	5%	50V	
A-1212-652-A	MAIN BOARD, COMPLETE (US,CND)						C653	1-107-583-11	CERAMIC	3PF	0.25PF	500V	
A-1212-659-A	MAIN BOARD, COMPLETE (AEP)						C654	1-128-817-11	CERAMIC	470PF	5%	50V	
*****							C655	1-107-583-11	CERAMIC	3PF	0.25PF	500V	
	1-533-217-41	HOLDER, FUSE					C656	1-126-933-11	ELECT	100uF	20%	16V	
< CAPACITOR >							C657	1-126-963-11	ELECT	4.7uF	20%	50V	
C402	1-126-964-11	ELECT	10uF	20%	50V		C658	1-162-815-11	CERAMIC	47PF	5%	500V	
C404	1-126-961-11	ELECT	2.2uF	20%	50V		C701	1-126-947-11	ELECT	47uF	20%	35V	
C406	1-126-964-11	ELECT	10uF	20%	50V		C702	1-162-815-11	CERAMIC	47PF	5%	500V	
C408	1-126-964-11	ELECT	10uF	20%	50V		C703	1-162-815-11	CERAMIC	47PF	5%	500V	
C410	1-126-961-11	ELECT	2.2uF	20%	50V		C704	1-128-813-11	CERAMIC	220PF	5%	50V	
C412	1-126-964-11	ELECT	10uF	20%	50V		C705	1-137-372-11	MYLAR	0.022uF	5%	50V	
C413	1-126-963-11	ELECT	4.7uF	20%	50V		C751	1-126-947-11	ELECT	47uF	20%	35V	
C414	1-136-167-00	FILM	0.15uF	5%	50V		C752	1-162-815-11	CERAMIC	47PF	5%	500V	
C415	1-136-167-00	FILM	0.15uF	5%	50V		C753	1-162-815-11	CERAMIC	47PF	5%	500V	
C416	1-137-190-11	FILM	0.22uF	5%	50V		C754	1-128-813-11	CERAMIC	220PF	5%	50V	
C417	1-137-190-11	FILM	0.22uF	5%	50V		C755	1-137-372-11	MYLAR	0.022uF	5%	50V	
C418	1-136-287-11	FILM	0.0047uF	5%	100V		C781	1-126-923-11	ELECT	220uF	20%	10V	
C419	1-126-964-11	ELECT	10uF	20%	50V		C782	1-126-964-11	ELECT	10uF	20%	50V	
C420	1-126-963-11	ELECT	4.7uF	20%	50V		C791	1-164-159-11	CERAMIC	0.1uF		50V	
C421	1-126-963-11	ELECT	4.7uF	20%	50V		C901	1-164-159-11	CERAMIC	0.1uF		50V	
C422	1-126-963-11	ELECT	4.7uF	20%	50V		C902	1-164-159-11	CERAMIC	0.1uF		50V	
C423	1-126-963-11	ELECT	4.7uF	20%	50V		C903	1-164-159-11	CERAMIC	0.1uF		50V	
C424	1-126-961-11	ELECT	2.2uF	20%	50V		C904	1-126-960-11	ELECT	1uF	20%	50V	
C425	1-126-965-11	ELECT	22uF	20%	50V		C905	1-126-936-11	ELECT	3300uF	20%	16V	
C426	1-126-964-11	ELECT	10uF	20%	50V		C906	1-164-159-11	CERAMIC	0.1uF		50V	
C452	1-126-964-11	ELECT	10uF	20%	50V		C907	1-164-159-11	CERAMIC	0.1uF		50V	
C454	1-126-961-11	ELECT	2.2uF	20%	50V		C908	1-126-964-11	ELECT	10uF	20%	50V	
C456	1-126-964-11	ELECT	10uF	20%	50V		C909	1-126-957-11	ELECT	0.22uF	20%	50V	
							C910	1-164-159-11	CERAMIC	0.1uF		50V	
							C911	1-164-159-11	CERAMIC	0.1uF		50V	

MAIN

Ref. No.	Part No.	Description		Remark
C912	1-135-851-21	MYLAR	0.22uF	100V
C913	1-135-851-21	MYLAR	0.22uF	100V
C914	1-165-946-11	ELECT	6800uF	20% 71V
C915	1-165-946-11	ELECT	6800uF	20% 71V
C916	1-164-159-11	CERAMIC	0.1uF	50V
C917	1-164-159-11	CERAMIC	0.1uF	50V
C918	1-126-944-11	ELECT	3300uF	20% 25V
C919	1-126-947-11	ELECT	47uF	20% 35V
C920	1-126-947-11	ELECT	47uF	20% 35V
C921	1-126-947-11	ELECT	47uF	20% 35V
C922	1-127-888-11	CERAMIC	0.1uF	10% 50V
C923	1-126-947-11	ELECT	47uF	20% 35V
C924	1-127-888-11	CERAMIC	0.1uF	10% 50V
C925	1-126-933-11	ELECT	100uF	20% 16V
C926	1-127-888-11	CERAMIC	0.1uF	10% 50V
C927	1-126-947-11	ELECT	47uF	20% 35V
C928	1-126-967-11	ELECT	47uF	20% 50V
C929	1-128-560-11	ELECT	22uF	20% 100V
C930	1-128-560-11	ELECT	22uF	20% 100V
C931	1-164-159-11	CERAMIC	0.1uF	50V
C940	1-126-947-11	ELECT	47uF	20% 35V (AEP)
C941	1-164-159-11	CERAMIC	0.1uF	50V (AEP)
C942	1-164-159-11	CERAMIC	0.1uF	50V
CC401	1-128-809-11	CERAMIC	100PF	5% 50V (AEP)
CC403	1-128-809-11	CERAMIC	100PF	5% 50V (AEP)
CC405	1-128-809-11	CERAMIC	100PF	5% 50V (AEP)
CC407	1-128-809-11	CERAMIC	100PF	5% 50V (AEP)
CC409	1-128-809-11	CERAMIC	100PF	5% 50V (AEP)
CC411	1-128-809-11	CERAMIC	100PF	5% 50V (AEP)
CC451	1-128-809-11	CERAMIC	100PF	5% 50V (AEP)
CC453	1-128-809-11	CERAMIC	100PF	5% 50V (AEP)
CC455	1-128-809-11	CERAMIC	100PF	5% 50V (AEP)
CC457	1-128-809-11	CERAMIC	100PF	5% 50V (AEP)
CC459	1-128-809-11	CERAMIC	100PF	5% 50V (AEP)
CC461	1-128-809-11	CERAMIC	100PF	5% 50V (AEP)
CC701	1-127-876-11	CERAMIC	0.01uF	10% 50V (AEP)
CC702	1-127-876-11	CERAMIC	0.01uF	10% 50V (AEP)
CC751	1-127-876-11	CERAMIC	0.01uF	10% 50V (AEP)
CC752	1-127-876-11	CERAMIC	0.01uF	10% 50V (AEP)
< CONNECTOR >				
CNP901	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P		
* CNP902	1-565-792-11	PIN, CONNECTOR (3.96mm PITCH) 2P		

Ref. No.	Part No.	Description	Remark
* CNP903	1-564-242-00	PIN, CONNECTOR (3.96mm PITCH) 5P	
CNP904	1-691-767-11	PLUG (MICRO CONNECTOR) 5P	
CNS1	1-568-830-11	CONNECTOR, FFC 11P (US,CND)	
CNS1	1-784-776-11	CONNECTOR, FFC 15P (AEP)	
CNS2	1-784-776-11	CONNECTOR, FFC 15P (US,CND)	
CNS2	1-784-778-11	CONNECTOR, FFC 17P (AEP)	
CNS3	1-784-776-11	CONNECTOR, FFC 15P	
< DIODE >			
D701	8-719-991-33	DIODE 1SS133T-77	
D751	8-719-991-33	DIODE 1SS133T-77	
D781	8-719-991-33	DIODE 1SS133T-77	
D782	8-719-991-33	DIODE 1SS133T-77	
D783	8-719-991-33	DIODE 1SS133T-77	
D784	8-719-991-33	DIODE 1SS133T-77	
D785	8-719-991-33	DIODE 1SS133T-77	
D786	8-719-991-33	DIODE 1SS133T-77	
D787	8-719-991-33	DIODE 1SS133T-77	
D788	8-719-991-33	DIODE 1SS133T-77	
D789	8-719-991-33	DIODE 1SS133T-77	
D901	6-500-522-11	DIODE 10EDB40-TA2B5	
D902	6-500-522-11	DIODE 10EDB40-TA2B5	
D903	6-500-522-11	DIODE 10EDB40-TA2B5	
D904	6-500-522-11	DIODE 10EDB40-TA2B5	
D905	8-719-991-33	DIODE 1SS133T-77	
D906	8-719-991-33	DIODE 1SS133T-77	
D907	8-719-072-05	DIODE RBV-602LF-A	
D908	6-500-522-11	DIODE 10EDB40-TA2B5	
D909	6-500-522-11	DIODE 10EDB40-TA2B5	
D910	6-500-522-11	DIODE 10EDB40-TA2B5	
D911	6-500-522-11	DIODE 10EDB40-TA2B5	
D912	8-719-986-54	DIODE HZS24-1LTA	
D913	8-719-109-89	DIODE RD5.6ESB2	
D914	6-500-522-11	DIODE 10EDB40-TA2B5	
D915	8-719-109-89	DIODE RD5.6ESB2 (AEP)	
D981	8-719-991-33	DIODE 1SS133T-77	
D982	8-719-991-33	DIODE 1SS133T-77	
< EARTH TERMINAL >			
* EP901	1-537-738-21	TERMINAL, EARTH	
< IC >			
IC401	6-700-261-01	IC BD3861FS	
IC402	6-710-289-01	IC R2S15904SP	
IC403	8-759-167-88	IC NJM4565D	
IC404	8-759-932-33	IC BU4066BC	
IC601	6-705-630-01	IC STK350-430	
IC901	8-759-333-83	IC NJM2103D	
IC902	8-759-231-53	IC TA7805S	
IC903	8-759-231-57	IC TA7810S	
IC904	6-702-771-01	IC TA78033LS	
IC905	8-759-167-88	IC NJM4565D (AEP)	
IC906	8-759-243-51	IC TC74ACT08P	
IC907	8-759-245-84	IC TA79010S (AEP)	

Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark			
< JACK >													
J801	1-774-411-11	JACK, PIN 6P (CD IN,MD/TAPE OUT,	MD/TAPE IN)				R427	1-247-879-11	CARBON	100K	5%	1/4W	
J802	1-774-411-11	JACK, PIN 6P (VIDEO 2 AUDIO IN,					R428	1-247-879-11	CARBON	100K	5%	1/4W	
		VIDEO 1 AUDIO OUT/AUDIO IN)					R451	1-247-847-11	CARBON	4.7K	5%	1/4W	
< COIL >													
L701	1-420-872-52	COIL, AIR-CORE					R452	1-247-847-11	CARBON	4.7K	5%	1/4W	
L751	1-420-872-52	COIL, AIR-CORE					R453	1-249-421-11	CARBON	2.2K	5%	1/4W	
< TRANSISTOR >													
Q424	8-729-029-86	TRANSISTOR	DTC124ESA					R454	1-249-421-11	CARBON	2.2K	5%	1/4W
Q474	8-729-029-86	TRANSISTOR	DTC124ESA					R455	1-247-847-11	CARBON	4.7K	5%	1/4W
Q701	8-729-119-76	TRANSISTOR	2SA1175-HFE					R456	1-247-847-11	CARBON	4.7K	5%	1/4W
Q702	8-729-141-30	TRANSISTOR	2SC3623A-LK					R457	1-247-847-11	CARBON	4.7K	5%	1/4W
Q705	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP					R458	1-247-847-11	CARBON	4.7K	5%	1/4W
Q706	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP					R459	1-249-421-11	CARBON	2.2K	5%	1/4W
Q751	8-729-119-76	TRANSISTOR	2SA1175-HFE					R460	1-249-421-11	CARBON	2.2K	5%	1/4W
Q752	8-729-141-30	TRANSISTOR	2SC3623A-LK					R461	1-247-847-11	CARBON	4.7K	5%	1/4W
Q755	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP					R462	1-247-847-11	CARBON	4.7K	5%	1/4W
Q756	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP					R463	1-247-843-11	CARBON	3.3K	5%	1/4W
Q781	8-729-119-79	TRANSISTOR	2SC2785-FEK					R464	1-247-843-11	CARBON	3.3K	5%	1/4W
Q782	8-729-119-79	TRANSISTOR	2SC2785-FEK					R465	1-247-831-11	CARBON	1K	5%	1/4W
Q783	8-729-119-79	TRANSISTOR	2SC2785-FEK					R466	1-247-871-11	CARBON	47K	5%	1/4W
Q784	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP					R471	1-247-871-11	CARBON	47K	5%	1/4W
Q785	8-729-119-79	TRANSISTOR	2SC2785-FEK					R472	1-247-863-11	CARBON	22K	5%	1/4W
Q786	8-729-140-84	TRANSISTOR	2SC1841-PAFAEA					R473	1-247-863-11	CARBON	22K	5%	1/4W
Q901	8-729-119-79	TRANSISTOR	2SC2785-FEK					R474	1-249-429-11	CARBON	10K	5%	1/4W
Q902	8-729-045-21	TRANSISTOR	2SD1513TP-LK					R475	1-247-847-11	CARBON	4.7K	5%	1/4W
Q903	8-729-119-79	TRANSISTOR	2SC2785-FEK					R476	1-247-847-11	CARBON	4.7K	5%	1/4W
Q904	8-729-140-97	TRANSISTOR	2SB734-34					R477	1-247-879-11	CARBON	100K	5%	1/4W
Q905	8-729-029-86	TRANSISTOR	DTC124ESA (AEP)					R478	1-247-879-11	CARBON	100K	5%	1/4W
Q906	8-729-029-86	TRANSISTOR	DTC124ESA (AEP)					R481	1-247-807-31	CARBON	100	5%	1/4W
< RESISTOR >													
R401	1-247-847-11	CARBON	4.7K	5%	1/4W		R482	1-247-807-31	CARBON	100	5%	1/4W	
R402	1-247-847-11	CARBON	4.7K	5%	1/4W		R484	1-247-807-31	CARBON	100	5%	1/4W	
R403	1-249-421-11	CARBON	2.2K	5%	1/4W		R485	1-247-807-31	CARBON	100	5%	1/4W	
R404	1-249-421-11	CARBON	2.2K	5%	1/4W		R602	1-249-439-11	CARBON	68K	5%	1/4W	
R405	1-247-847-11	CARBON	4.7K	5%	1/4W		R603	1-249-439-11	CARBON	68K	5%	1/4W	
R406	1-247-847-11	CARBON	4.7K	5%	1/4W		R604	1-247-831-11	CARBON	1K	5%	1/4W	
R407	1-247-847-11	CARBON	4.7K	5%	1/4W		R605	1-247-831-11	CARBON	1K	5%	1/4W	
R408	1-247-847-11	CARBON	4.7K	5%	1/4W		R606	1-247-879-11	CARBON	100K	5%	1/4W	
R409	1-249-421-11	CARBON	2.2K	5%	1/4W		R652	1-249-439-11	CARBON	68K	5%	1/4W	
R410	1-249-421-11	CARBON	2.2K	5%	1/4W		R653	1-249-439-11	CARBON	68K	5%	1/4W	
R411	1-247-847-11	CARBON	4.7K	5%	1/4W		R654	1-247-831-11	CARBON	1K	5%	1/4W	
R412	1-247-847-11	CARBON	4.7K	5%	1/4W		R655	1-247-831-11	CARBON	1K	5%	1/4W	
R413	1-247-843-11	CARBON	3.3K	5%	1/4W		R656	1-247-879-11	CARBON	100K	5%	1/4W	
R414	1-247-843-11	CARBON	3.3K	5%	1/4W		R697	1-247-879-11	CARBON	100K	5%	1/4W	
R415	1-247-831-11	CARBON	1K	5%	1/4W		R701	1-249-421-11	CARBON	2.2K	5%	1/4W	
R416	1-247-871-11	CARBON	47K	5%	1/4W		R702	1-249-440-11	CARBON	82K	5%	1/4W	
R421	1-247-871-11	CARBON	47K	5%	1/4W		R703	1-249-414-11	CARBON	560	5%	1/4W	
R422	1-247-863-11	CARBON	22K	5%	1/4W		R704	1-249-402-11	CARBON	56	5%	1/4W	
R423	1-247-863-11	CARBON	22K	5%	1/4W		R705	1-249-402-11	CARBON	56	5%	1/4W	
R424	1-249-429-11	CARBON	10K	5%	1/4W		R706	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2	5W			
R425	1-247-847-11	CARBON	4.7K	5%	1/4W		R707	1-247-847-11	CARBON	4.7K	5%	1/4W	
R426	1-247-847-11	CARBON	4.7K	5%	1/4W		R708	1-240-855-81	CARBON	6.2K	5%	1/4W	
							R709	1-249-419-11	CARBON	1.5K	5%	1/4W	
							R710	1-247-881-00	CARBON	120K	5%	1/4W	
							R711	1-249-431-11	CARBON	15K	5%	1/4W	
							R712	1-249-393-11	CARBON	10	5%	1/4W	
							R713	1-247-871-11	CARBON	47K	5%	1/4W	
							R714	1-249-389-11	CARBON	4.7	5%	1/4W	
							R751	1-249-421-11	CARBON	2.2K	5%	1/4W	
							R752	1-249-440-11	CARBON	82K	5%	1/4W	
							R753	1-249-414-11	CARBON	560	5%	1/4W	

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MAIN POWER

Ref. No.	Part No.	Description	Remark		
R754	1-249-402-11	CARBON	56	5%	1/4W F
R755	1-249-402-11	CARBON	56	5%	1/4W F
R756	1-234-182-11	ENCAPSULATED COMPONENT	0.22X2	5W	
R757	1-247-847-11	CARBON	4.7K	5%	1/4W
R758	1-240-855-81	CARBON	6.2K	5%	1/4W F
R759	1-249-419-11	CARBON	1.5K	5%	1/4W
R760	1-247-881-00	CARBON	120K	5%	1/4W
R761	1-249-431-11	CARBON	15K	5%	1/4W
R762	1-249-393-11	CARBON	10	5%	1/4W F
R763	1-247-871-11	CARBON	47K	5%	1/4W
R764	1-249-389-11	CARBON	4.7	5%	1/4W F
R781	1-247-847-11	CARBON	4.7K	5%	1/4W
R782	1-247-847-11	CARBON	4.7K	5%	1/4W
R783	1-247-847-11	CARBON	4.7K	5%	1/4W
R784	1-249-404-00	CARBON	82	5%	1/4W F
R785	1-249-404-00	CARBON	82	5%	1/4W F
R786	1-247-847-11	CARBON	4.7K	5%	1/4W
R787	1-247-847-11	CARBON	4.7K	5%	1/4W
R788	1-249-427-11	CARBON	6.8K	5%	1/4W
R789	1-247-871-11	CARBON	47K	5%	1/4W
R790	1-247-831-11	CARBON	1K	5%	1/4W
R791	1-247-871-11	CARBON	47K	5%	1/4W
△ R792	1-215-891-11	METAL OXIDE	680	5%	2W F
△ R793	1-215-891-11	METAL OXIDE	680	5%	2W F
R794	1-249-429-11	CARBON	10K	5%	1/4W
R795	1-249-404-00	CARBON	82	5%	1/4W F
R901	1-247-847-11	CARBON	4.7K	5%	1/4W
R902	1-249-381-11	CARBON	1	5%	1/4W F
△ R903	1-219-237-11	SOLID	3.3M	20%	1/2W F
					(US,CND)
R904	1-249-435-11	CARBON	33K	5%	1/4W
R905	1-247-863-11	CARBON	22K	5%	1/4W
R906	1-249-421-11	CARBON	2.2K	5%	1/4W
R907	1-249-428-11	CARBON	8.2K	5%	1/4W
R908	1-249-422-11	CARBON	2.7K	5%	1/4W
R909	1-249-431-11	CARBON	15K	5%	1/4W
R910	1-249-429-11	CARBON	10K	5%	1/4W
R911	1-247-843-11	CARBON	3.3K	5%	1/4W
R912	1-247-831-11	CARBON	1K	5%	1/4W
R913	1-249-404-00	CARBON	82	5%	1/4W F
R914	1-247-847-11	CARBON	4.7K	5%	1/4W
△ R915	1-240-877-11	FUSIBLE	0.15	5%	1/2W F
R916	1-249-389-11	CARBON	4.7	5%	1/4W F
R917	1-249-429-11	CARBON	10K	5%	1/4W
R918	1-247-831-11	CARBON	1K	5%	1/4W
R919	1-247-871-11	CARBON	47K	5%	1/4W
R920	1-247-871-11	CARBON	47K	5%	1/4W
R923	1-249-429-11	CARBON	10K	5%	1/4W
R926	1-247-791-11	CARBON	22	5%	1/4W
R929	1-249-401-11	CARBON	47	5%	1/4W F
R930	1-249-401-11	CARBON	47	5%	1/4W F
R941	1-249-409-11	CARBON	220	5%	1/4W
					(AEP)
R942	1-249-429-11	CARBON	10K	5%	1/4W
					(AEP)
R943	1-249-419-11	CARBON	1.5K	5%	1/4W
					(AEP)
R944	1-247-863-11	CARBON	22K	5%	1/4W
					(AEP)

Ref. No.	Part No.	Description	Remark		
R945	1-249-429-11	CARBON	10K	5%	1/4W
					(AEP)
R946	1-249-429-11	CARBON	10K	5%	1/4W
					(AEP)
R947	1-249-429-11	CARBON	10K	5%	1/4W
					(AEP)
RR701	1-249-393-11	CARBON	10	5%	1/4W F
					(AEP)
RR702	1-249-393-11	CARBON	10	5%	1/4W F
					(AEP)
RR751	1-249-393-11	CARBON	10	5%	1/4W F
					(AEP)
RR752	1-249-393-11	CARBON	10	5%	1/4W F
					(AEP)
		< RELAY >			
RY781	1-755-416-12	RELAY			
RY782	1-755-416-12	RELAY			
RY783	1-755-416-12	RELAY			
RY981	1-755-013-11	RELAY			
△ RY982	1-755-276-11	RELAY, POWER			
		< TRANSFORMER >			
△ T902	1-435-281-11	TRANSFORMER, POWER (US,CND)			
△ T902	1-435-282-11	TRANSFORMER, POWER (AEP)			
		< TERMINAL BOARD >			
TM801	1-537-376-11	TERMINAL BOARD (8P) (SPEAKERS)			

		POWER BOARD			

		< CONNECTOR >			
CNP201	1-779-977-11	PIN, CONNECTOR 6P			
		< DIODE >			
D205	8-719-061-96	LED SLR-325DCT31 (SPEAKER A)			
D206	8-719-061-96	LED SLR-325DCT31 (SPEAKER B)			
		< TRANSISTOR >			
Q204	8-729-029-86	TRANSISTOR DTC124ESA			
Q205	8-729-029-86	TRANSISTOR DTC124ESA			
		< RESISTOR >			
R289	1-249-413-11	CARBON	470	5%	1/4W
R290	1-249-413-11	CARBON	470	5%	1/4W
R297	1-247-831-11	CARBON	1K	5%	1/4W
		< SWITCH >			
S201	1-771-410-21	SWITCH, TACTILE (I/⏻)			
S202	1-771-410-21	SWITCH, TACTILE (SPEAKER A)			
S203	1-771-410-21	SWITCH, TACTILE (SPEAKER B)			

Ref. No.	Part No.	Description	Remark
		VOLUME BOARD *****	
		< CONNECTOR >	
CN202	1-750-195-11	CONNECTOR, BOARD TO BOARD 6P	
		< RESISTOR >	
R265	1-247-831-11	CARBON 1K 5% 1/4W	
R266	1-249-421-11	CARBON 2.2K 5% 1/4W	
R267	1-249-421-11	CARBON 2.2K 5% 1/4W	
R268	1-247-847-11	CARBON 4.7K 5% 1/4W	
R269	1-249-429-11	CARBON 10K 5% 1/4W	
R270	1-247-863-11	CARBON 22K 5% 1/4W	
		< ROTARY ENCODER >	
RV201	1-418-725-41	ENCODER, ROTARY (12 TYPE) (MASTER VOLUME)	
		< SWITCH >	
S224	1-771-410-21	SWITCH, TACTILE (BALANCE R)	
S225	1-771-410-21	SWITCH, TACTILE (TREBLE +)	
S226	1-771-410-21	SWITCH, TACTILE (BASS +)	
S227	1-771-410-21	SWITCH, TACTILE (BALANCE L)	
S228	1-771-410-21	SWITCH, TACTILE (TREBLE -)	
S229	1-771-410-21	SWITCH, TACTILE (BASS -)	

MEMO

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SONY®

SERVICE MANUAL

Ver. 1.4 2007. 03

US Model
Canadian Model
AEP Model

SUPPLEMENT-2

File this supplement with the service manual.

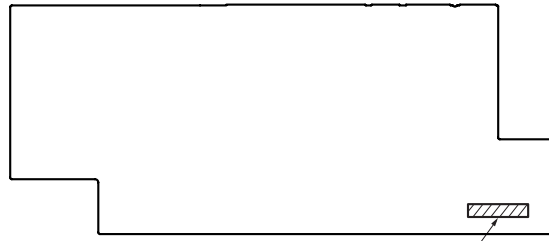
Subject: MAIN and DISPLAY boards change of US model.

Printed wiring board and schematic diagram of new type, and changed parts list are described in this Supplement-2.

When performing service and inspection, check the part number of the MAIN and DISPLAY boards.

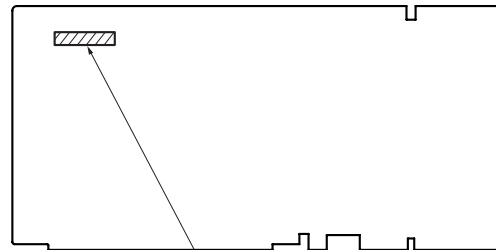
DISCRIMINATION

– MAIN BOARD (COMPONENT SIDE) –



MAIN BOARD Part No.
1-861-592-1[] : Service Manual
1-871-790-1[] : Supplement-1
1-861-592-2[] : Supplement-2

– DISPLAY BOARD (COMPONENT SIDE) –



DISPLAY BOARD Part No.
1-861-586-1[] : Service Manual
1-871-791-1[] : Supplement-1
1-861-586-2[] : Supplement-2

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3. Schematic Diagram –Main Section (2/2)– 6

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5. Schematic Diagram –Panel Section– 8

6. Electrical Parts List..... 9

THIS NOTE IS COMMON FOR PRINTED WIRING
BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this, the necessary note is
printed in each block.)

for schematic diagram:

- All capacitors are in μF unless otherwise noted. (p: pF)
- 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}W$ or less unless otherwise specified.
- Δ : internal component.
-  : nonflammable resistor.
-  : fusible resistor.
-  : panel designation.

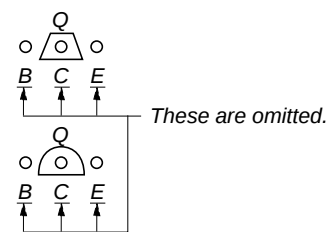
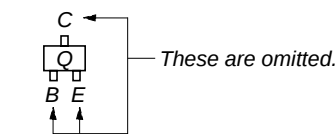
Note:
The components identi-
fied by mark Δ or dotted
line with mark Δ are criti-
cal for safety.
Replace only with part
number specified.

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

-  : B+ Line.
-  : B- Line.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- no mark : FM
- Voltages are taken with a VOM (Input impedance 10 M Ω). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
 -  : TUNER (FM/AM)
 -  : VIDEO (AUDIO)
 -  : CD (ANALOG)
- (()): Page of Supplement-2.

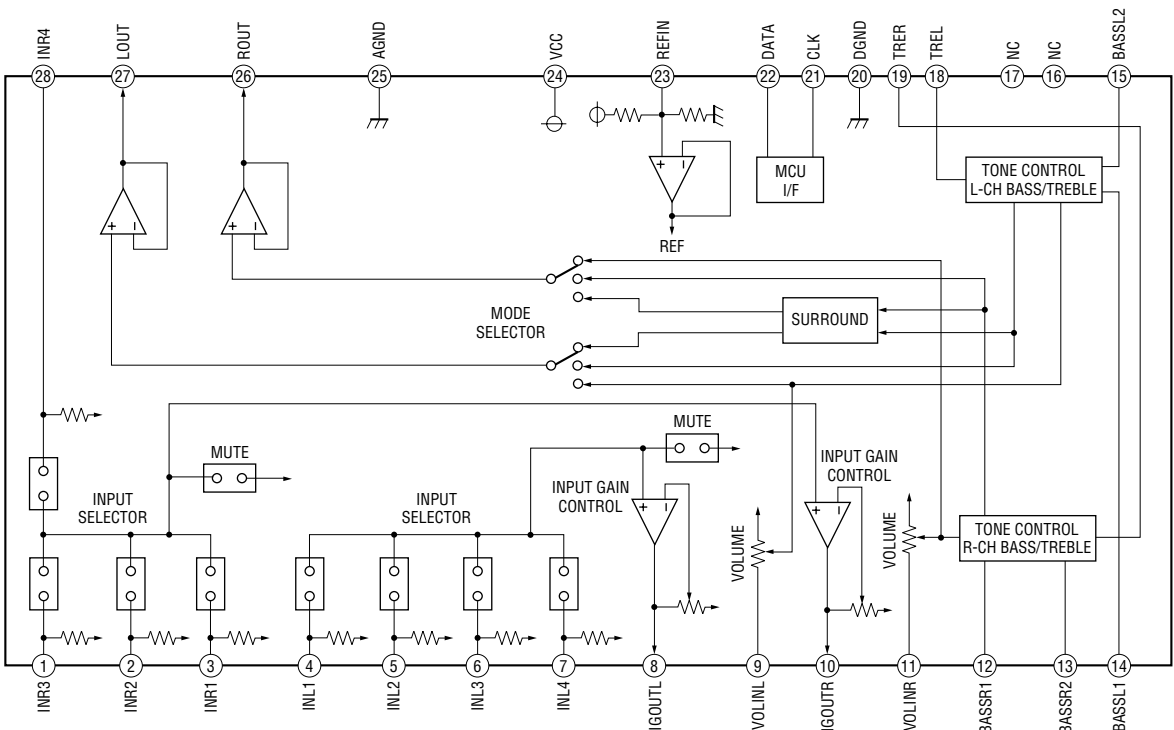
for printed wiring boards:

-  : parts extracted from the component side.
- Δ : internal component.
-  : Pattern from the side which enables seeing.
- (()): Page of Supplement-2.

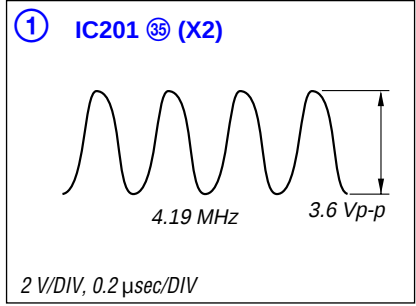


• IC Block Diagram

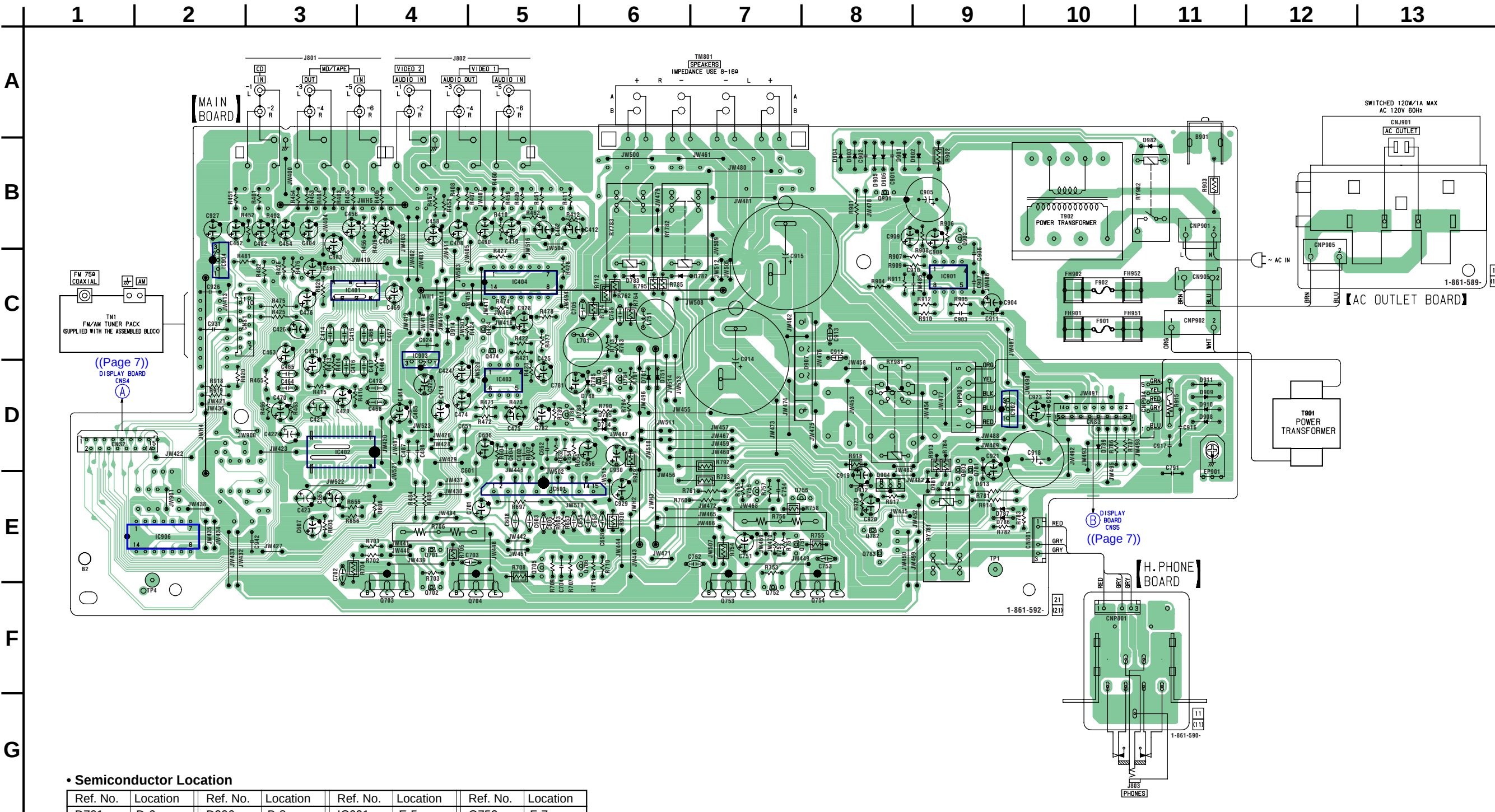
IC402 R2S15904SP



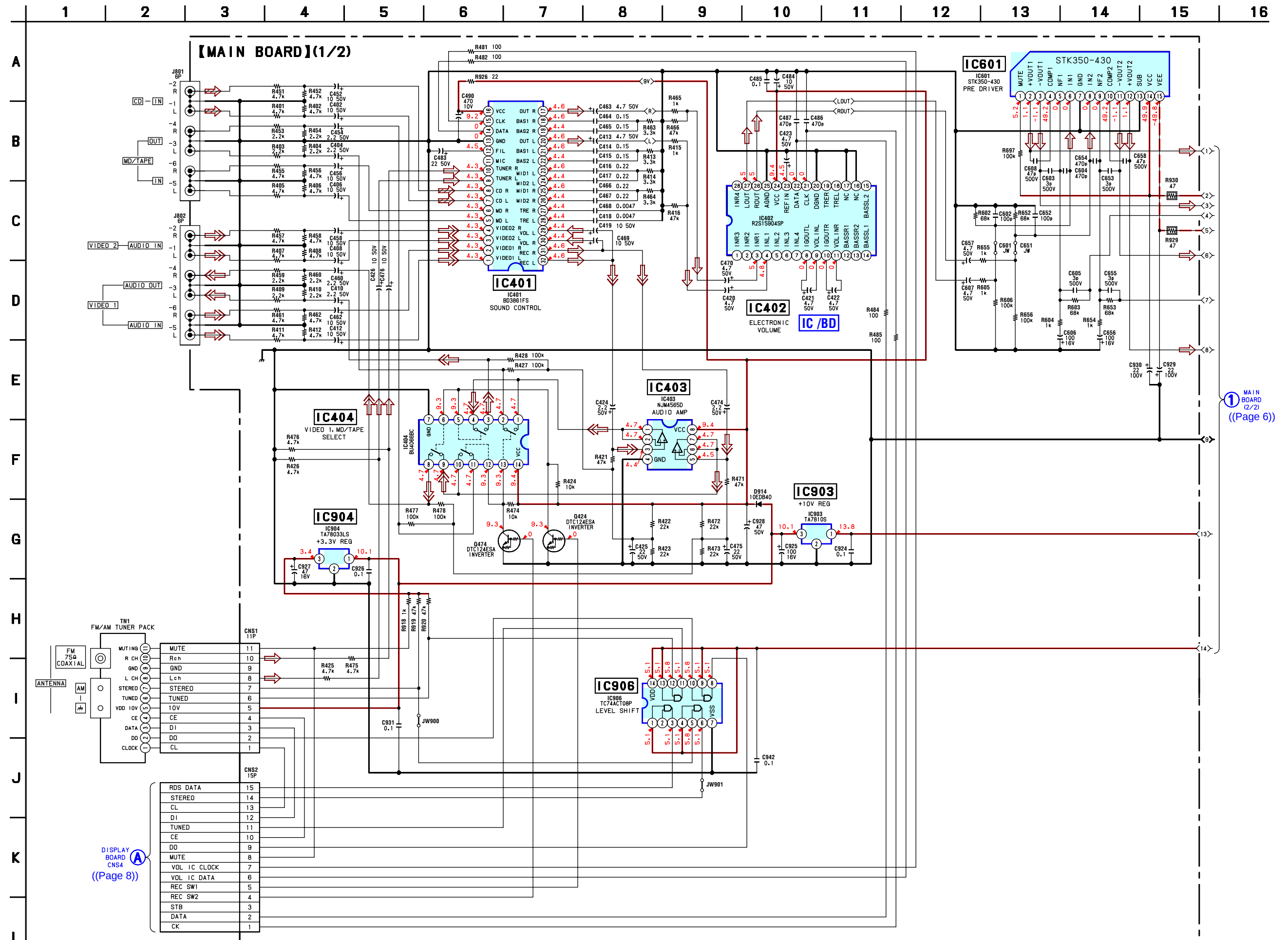
• Waveform



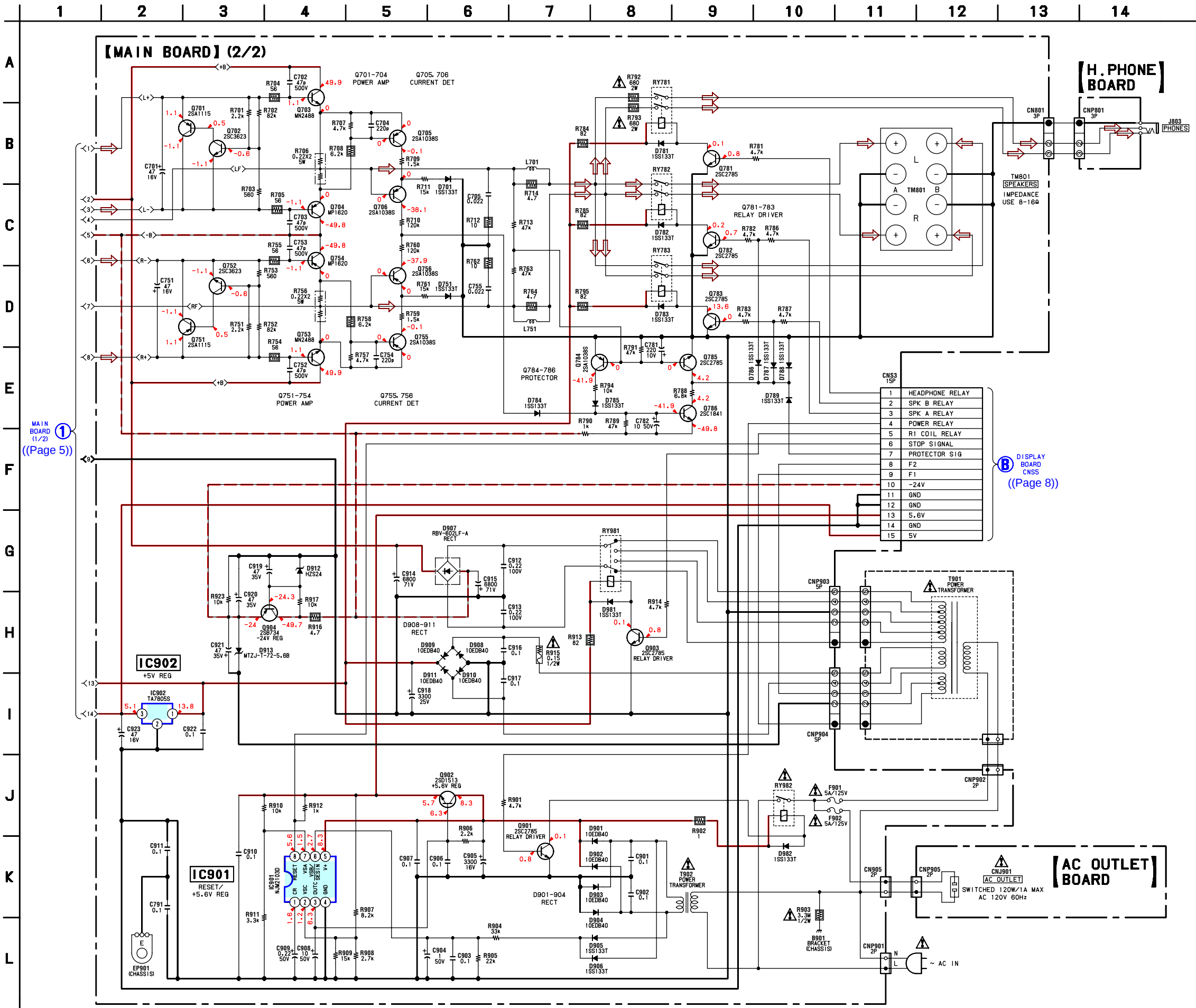
1. PRINTED WIRING BOARDS — MAIN SECTION — • Refer to page 13 of Service Manual for Circuit Boards Location. : Uses unleaded solder.



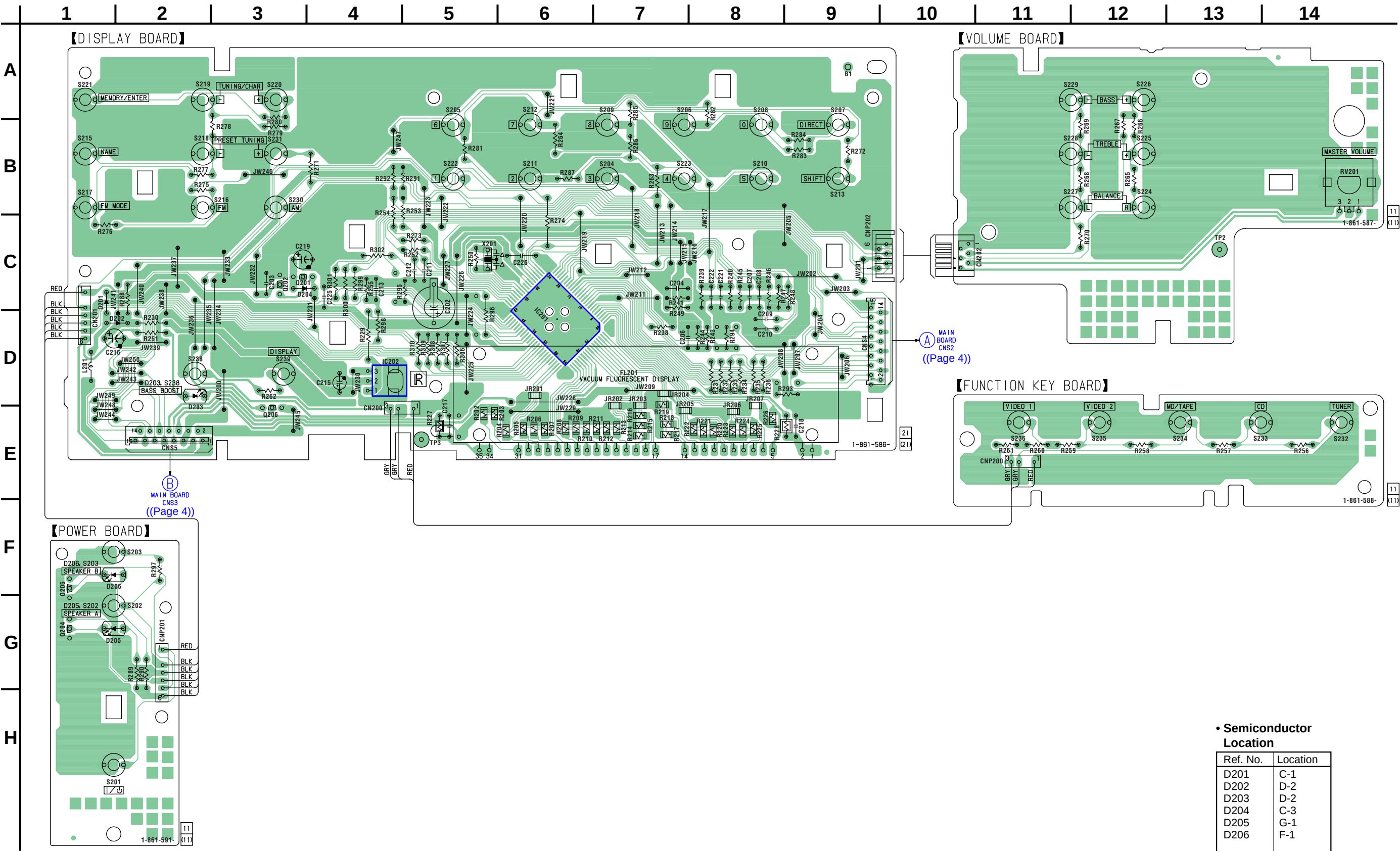
2. SCHEMATIC DIAGRAM — MAIN SECTION (1/2) — • Refer to page 3 of Supplement-2 for IC Block Diagram.



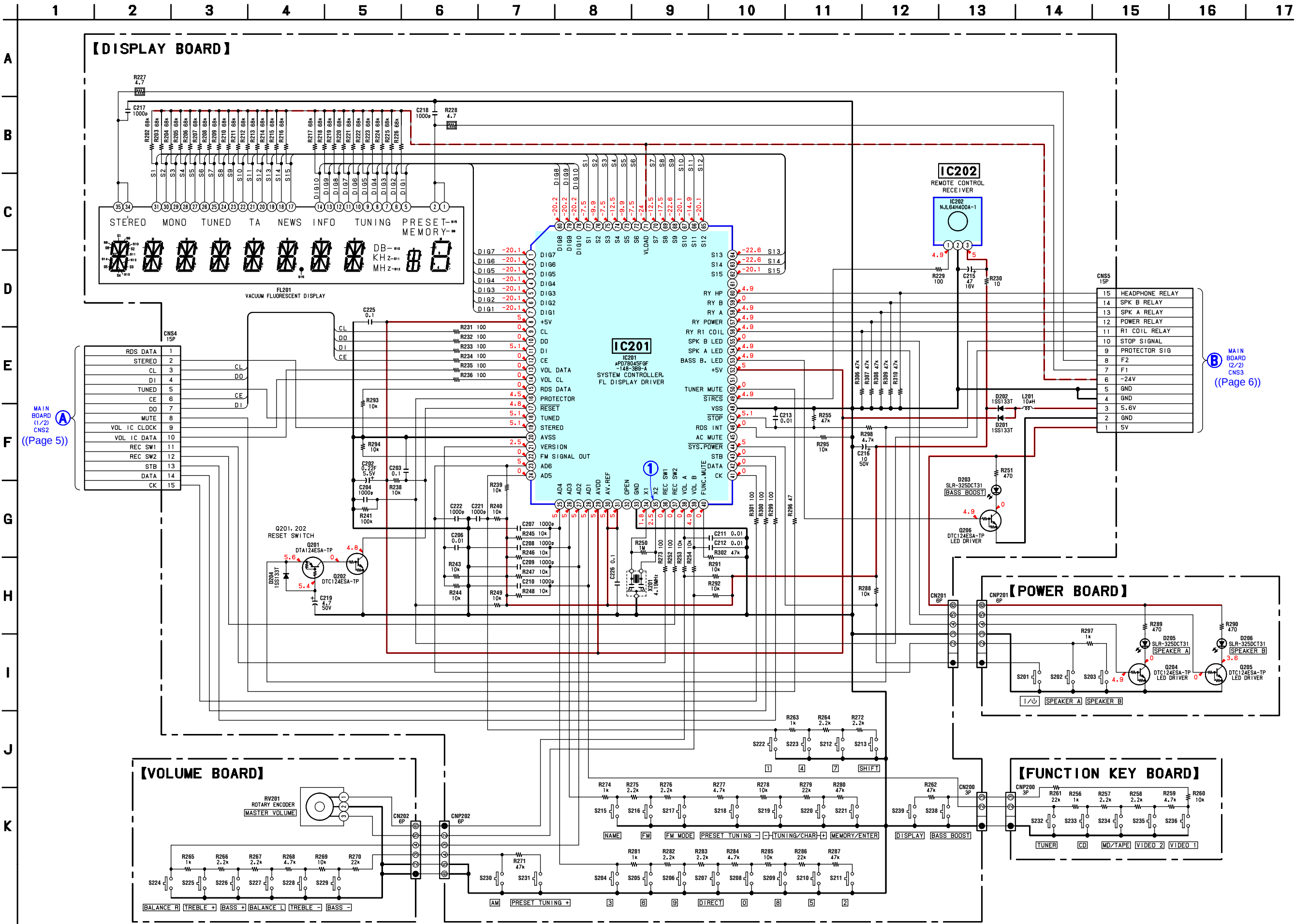
3. SCHEMATIC DIAGRAM — MAIN SECTION (2/2) —



4. PRINTED WIRING BOARDS — PANEL SECTION — • Refer to page 13 of Service Manual for Circuit Boards Location. : Uses unleaded solder.



5. SCHEMATIC DIAGRAM — PANEL SECTION — • Refer to page 3 of Supplement-2 for Waveform.



6. 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.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable

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

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

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

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

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
	A-1242-213-A	DISPLAY BOARD, COMPLETE *****				< JUMPER RESISTOR >	
*	4-921-941-01	CUSHION (FL)		JR201	1-216-296-11	SHORT CHIP 0	
*	4-943-107-11	HOLDER (FL TUBE)		JR202	1-216-296-11	SHORT CHIP 0	
		< CAPACITOR >		JR203	1-216-296-11	SHORT CHIP 0	
C202	1-104-905-11	DOUBLE LAYERS 0.22F	5.5V	JR204	1-216-296-11	SHORT CHIP 0	
C203	1-164-159-11	CERAMIC 0.1uF	50V	JR205	1-216-296-11	SHORT CHIP 0	
C204	1-128-821-11	CERAMIC 0.001uF 5%	50V	JR206	1-216-296-11	SHORT CHIP 0	
C206	1-127-876-11	CERAMIC 0.01uF 10%	50V	JR207	1-216-296-11	SHORT CHIP 0	
C207	1-128-821-11	CERAMIC 0.001uF 5%	50V			< COIL >	
C208	1-128-821-11	CERAMIC 0.001uF 5%	50V	L201	1-410-509-11	INDUCTOR 10uH	
C209	1-128-821-11	CERAMIC 0.001uF 5%	50V			< TRANSISTOR >	
C210	1-128-821-11	CERAMIC 0.001uF 5%	50V	Q201	8-729-029-40	TRANSISTOR DTA124ESA	
C211	1-127-876-11	CERAMIC 0.01uF 10%	50V	Q202	8-729-029-86	TRANSISTOR DTC124ESA	
C212	1-127-876-11	CERAMIC 0.01uF 10%	50V	Q206	8-729-029-86	TRANSISTOR DTC124ESA	
C213	1-127-876-11	CERAMIC 0.01uF 10%	50V			< RESISTOR >	
C215	1-126-947-11	ELECT 47uF 20%	35V	R202	1-216-242-00	RES-CHIP 68K 5% 1/8W	
C216	1-126-795-11	ELECT 10uF 20%	50V	R203	1-216-242-00	RES-CHIP 68K 5% 1/8W	
C217	1-128-821-11	CERAMIC 0.001uF 5%	50V	R204	1-216-242-00	RES-CHIP 68K 5% 1/8W	
C218	1-128-821-11	CERAMIC 0.001uF 5%	50V	R205	1-216-242-00	RES-CHIP 68K 5% 1/8W	
C219	1-126-794-11	ELECT 4.7uF 20%	50V	R206	1-216-242-00	RES-CHIP 68K 5% 1/8W	
C221	1-128-821-11	CERAMIC 0.001uF 5%	50V	R207	1-216-242-00	RES-CHIP 68K 5% 1/8W	
C222	1-128-821-11	CERAMIC 0.001uF 5%	50V	R208	1-216-242-00	RES-CHIP 68K 5% 1/8W	
C225	1-164-159-11	CERAMIC 0.1uF	50V	R209	1-216-242-00	RES-CHIP 68K 5% 1/8W	
C226	1-164-159-11	CERAMIC 0.1uF	50V	R210	1-216-242-00	RES-CHIP 68K 5% 1/8W	
		< CONNECTOR >		R211	1-216-242-00	RES-CHIP 68K 5% 1/8W	
CNP202	1-750-186-11	CONNECTOR, BOARD TO BOARD 6P		R212	1-216-242-00	RES-CHIP 68K 5% 1/8W	
CNS4	1-784-776-11	CONNECTOR, FFC 15P		R213	1-216-242-00	RES-CHIP 68K 5% 1/8W	
CNS5	1-784-776-11	CONNECTOR, FFC 15P		R214	1-216-242-00	RES-CHIP 68K 5% 1/8W	
		< DIODE >		R215	1-216-242-00	RES-CHIP 68K 5% 1/8W	
D201	8-719-991-33	DIODE 1SS133T-77		R216	1-216-242-00	RES-CHIP 68K 5% 1/8W	
D202	8-719-991-33	DIODE 1SS133T-77		R217	1-216-242-00	RES-CHIP 68K 5% 1/8W	
D203	8-719-061-96	LED SLR-325DCT31 (BASS BOOST)		R218	1-216-242-00	RES-CHIP 68K 5% 1/8W	
D204	8-719-991-33	DIODE 1SS133T-77		R219	1-216-242-00	RES-CHIP 68K 5% 1/8W	
		< VACUUM FLUORESCENT DISPLAY >		R220	1-216-242-00	RES-CHIP 68K 5% 1/8W	
FL201	1-518-970-11	VACUUM FLUORESCENT DISPLAY		R221	1-216-242-00	RES-CHIP 68K 5% 1/8W	
		< IC >		R222	1-216-242-00	RES-CHIP 68K 5% 1/8W	
IC201	6-806-993-01	IC uPD78045FGF-148-3B9-A		R223	1-216-242-00	RES-CHIP 68K 5% 1/8W	
IC202	8-759-827-70	IC NJL64H400A-1 (IR)		R224	1-216-242-00	RES-CHIP 68K 5% 1/8W	
				R225	1-216-242-00	RES-CHIP 68K 5% 1/8W	
				R226	1-216-242-00	RES-CHIP 68K 5% 1/8W	

STR-DE197

DISPLAY

MAIN

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R227	1-249-389-11	CARBON	4.7	5%	1/4W F	R302	1-247-871-11	CARBON	47K	5%	1/4W
R228	1-249-389-11	CARBON	4.7	5%	1/4W F	R306	1-247-871-11	CARBON	47K	5%	1/4W
R229	1-247-807-31	CARBON	100	5%	1/4W	R307	1-247-871-11	CARBON	47K	5%	1/4W
R230	1-249-393-11	CARBON	10	5%	1/4W F	R308	1-247-871-11	CARBON	47K	5%	1/4W
R231	1-247-807-31	CARBON	100	5%	1/4W	R309	1-247-871-11	CARBON	47K	5%	1/4W
R232	1-247-807-31	CARBON	100	5%	1/4W	R310	1-247-871-11	CARBON	47K	5%	1/4W
R233	1-247-807-31	CARBON	100	5%	1/4W			< SWITCH >			
R234	1-247-807-31	CARBON	100	5%	1/4W						
R235	1-247-807-31	CARBON	100	5%	1/4W	S204	1-771-410-21	SWITCH, TACTILE (3)			
R236	1-247-807-31	CARBON	100	5%	1/4W	S205	1-771-410-21	SWITCH, TACTILE (6)			
R238	1-249-429-11	CARBON	10K	5%	1/4W	S206	1-771-410-21	SWITCH, TACTILE (9)			
R239	1-249-429-11	CARBON	10K	5%	1/4W	S207	1-771-410-21	SWITCH, TACTILE (DIRECT)			
R240	1-249-429-11	CARBON	10K	5%	1/4W	S208	1-771-410-21	SWITCH, TACTILE (0)			
R241	1-247-879-11	CARBON	100K	5%	1/4W						
R243	1-249-429-11	CARBON	10K	5%	1/4W	S209	1-771-410-21	SWITCH, TACTILE (8)			
R244	1-249-429-11	CARBON	10K	5%	1/4W	S210	1-771-410-21	SWITCH, TACTILE (5)			
R245	1-249-429-11	CARBON	10K	5%	1/4W	S211	1-771-410-21	SWITCH, TACTILE (2)			
R246	1-249-429-11	CARBON	10K	5%	1/4W	S212	1-771-410-21	SWITCH, TACTILE (7)			
R247	1-249-429-11	CARBON	10K	5%	1/4W	S213	1-771-410-21	SWITCH, TACTILE (SHIFT)			
R248	1-249-429-11	CARBON	10K	5%	1/4W	S215	1-771-410-21	SWITCH, TACTILE (NAME)			
R249	1-249-429-11	CARBON	10K	5%	1/4W	S216	1-771-410-21	SWITCH, TACTILE (FM)			
R250	1-247-903-00	CARBON	1M	5%	1/4W	S217	1-771-410-21	SWITCH, TACTILE (FM MODE)			
R251	1-249-413-11	CARBON	470	5%	1/4W	S218	1-771-410-21	SWITCH, TACTILE (PRESET TUNING -)			
R252	1-247-807-31	CARBON	100	5%	1/4W	S219	1-771-410-21	SWITCH, TACTILE (TUNING/CHAR -)			
R253	1-249-429-11	CARBON	10K	5%	1/4W	S220	1-771-410-21	SWITCH, TACTILE (TUNING/CHAR +)			
R254	1-249-429-11	CARBON	10K	5%	1/4W	S221	1-771-410-21	SWITCH, TACTILE (MEMORY/ENTER)			
R255	1-247-871-11	CARBON	47K	5%	1/4W	S222	1-771-410-21	SWITCH, TACTILE (1)			
R262	1-247-871-11	CARBON	47K	5%	1/4W	S223	1-771-410-21	SWITCH, TACTILE (4)			
R263	1-247-831-11	CARBON	1K	5%	1/4W	S230	1-771-410-21	SWITCH, TACTILE (AM)			
R264	1-249-421-11	CARBON	2.2K	5%	1/4W	S231	1-771-410-21	SWITCH, TACTILE (PRESET TUNING +)			
R271	1-247-871-11	CARBON	47K	5%	1/4W	S238	1-771-410-21	SWITCH, TACTILE (BASS BOOST)			
R272	1-249-421-11	CARBON	2.2K	5%	1/4W	S239	1-771-410-21	SWITCH, TACTILE (DISPLAY)			
R273	1-247-807-31	CARBON	100	5%	1/4W			< VIBRATOR >			
R274	1-247-831-11	CARBON	1K	5%	1/4W						
R275	1-249-421-11	CARBON	2.2K	5%	1/4W	X201	1-795-736-21	VIBRATOR, CERAMIC (4.19MHz)			
R276	1-249-421-11	CARBON	2.2K	5%	1/4W	*****					
R277	1-247-847-11	CARBON	4.7K	5%	1/4W		A-1242-216-A	MAIN BOARD, COMPLETE			
R278	1-249-429-11	CARBON	10K	5%	1/4W			*****			
R279	1-247-863-11	CARBON	22K	5%	1/4W						
R280	1-247-871-11	CARBON	47K	5%	1/4W		1-533-217-41	HOLDER, FUSE			
R281	1-247-831-11	CARBON	1K	5%	1/4W			< CAPACITOR >			
R282	1-249-421-11	CARBON	2.2K	5%	1/4W						
R283	1-249-421-11	CARBON	2.2K	5%	1/4W	C402	1-126-964-11	ELECT	10uF	20%	50V
R284	1-247-847-11	CARBON	4.7K	5%	1/4W	C404	1-126-961-11	ELECT	2.2uF	20%	50V
R285	1-249-429-11	CARBON	10K	5%	1/4W	C406	1-126-964-11	ELECT	10uF	20%	50V
R286	1-247-863-11	CARBON	22K	5%	1/4W	C408	1-126-964-11	ELECT	10uF	20%	50V
R287	1-247-871-11	CARBON	47K	5%	1/4W	C410	1-126-961-11	ELECT	2.2uF	20%	50V
R288	1-249-429-11	CARBON	10K	5%	1/4W	C412	1-126-964-11	ELECT	10uF	20%	50V
R291	1-249-429-11	CARBON	10K	5%	1/4W	C413	1-126-963-11	ELECT	4.7uF	20%	50V
R292	1-249-429-11	CARBON	10K	5%	1/4W	C414	1-136-167-00	FILM	0.15uF	5%	50V
R293	1-249-429-11	CARBON	10K	5%	1/4W	C415	1-136-167-00	FILM	0.15uF	5%	50V
R294	1-249-429-11	CARBON	10K	5%	1/4W	C416	1-137-190-11	FILM	0.22uF	5%	50V
R295	1-249-429-11	CARBON	10K	5%	1/4W	C417	1-137-190-11	FILM	0.22uF	5%	50V
R296	1-249-401-11	CARBON	47	5%	1/4W	C418	1-136-287-11	FILM	0.0047uF	5%	100V
R298	1-247-847-11	CARBON	4.7K	5%	1/4W	C419	1-126-964-11	ELECT	10uF	20%	50V
R299	1-247-807-31	CARBON	100	5%	1/4W	C420	1-126-963-11	ELECT	4.7uF	20%	50V
R300	1-247-807-31	CARBON	100	5%	1/4W	C421	1-126-963-11	ELECT	4.7uF	20%	50V
R301	1-247-807-31	CARBON	100	5%	1/4W	C422	1-126-963-11	ELECT	4.7uF	20%	50V

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C423	1-126-963-11	ELECT	4.7uF	20%	50V	C905	1-126-936-11	ELECT	3300uF	20%	16V
C424	1-126-961-11	ELECT	2.2uF	20%	50V	C906	1-164-159-11	CERAMIC	0.1uF		50V
C425	1-126-965-11	ELECT	22uF	20%	50V	C907	1-164-159-11	CERAMIC	0.1uF		50V
C426	1-126-964-11	ELECT	10uF	20%	50V	C908	1-126-964-11	ELECT	10uF	20%	50V
C452	1-126-964-11	ELECT	10uF	20%	50V	C909	1-126-957-11	ELECT	0.22uF	20%	50V
C454	1-126-961-11	ELECT	2.2uF	20%	50V	C910	1-164-159-11	CERAMIC	0.1uF		50V
C456	1-126-964-11	ELECT	10uF	20%	50V	C911	1-164-159-11	CERAMIC	0.1uF		50V
C458	1-126-964-11	ELECT	10uF	20%	50V	C912	1-135-851-21	MYLAR	0.22uF		100V
C460	1-126-961-11	ELECT	2.2uF	20%	50V	C913	1-135-851-21	MYLAR	0.22uF		100V
C462	1-126-964-11	ELECT	10uF	20%	50V	C914	1-165-946-11	ELECT	6800uF	20%	71V
C463	1-126-963-11	ELECT	4.7uF	20%	50V	C915	1-165-946-11	ELECT	6800uF	20%	71V
C464	1-136-167-00	FILM	0.15uF	5%	50V	C916	1-164-159-11	CERAMIC	0.1uF		50V
C465	1-136-167-00	FILM	0.15uF	5%	50V	C917	1-164-159-11	CERAMIC	0.1uF		50V
C466	1-137-190-11	FILM	0.22uF	5%	50V	C918	1-126-944-11	ELECT	3300uF	20%	25V
C467	1-137-190-11	FILM	0.22uF	5%	50V	C919	1-126-947-11	ELECT	47uF	20%	35V
C468	1-136-287-11	FILM	0.0047uF	5%	100V	C920	1-126-947-11	ELECT	47uF	20%	35V
C469	1-126-964-11	ELECT	10uF	20%	50V	C921	1-126-947-11	ELECT	47uF	20%	35V
C470	1-126-963-11	ELECT	4.7uF	20%	50V	C922	1-127-888-11	CERAMIC	0.1uF	10%	50V
C474	1-126-961-11	ELECT	2.2uF	20%	50V	C923	1-126-947-11	ELECT	47uF	20%	35V
C475	1-126-965-11	ELECT	22uF	20%	50V	C924	1-127-888-11	CERAMIC	0.1uF	10%	50V
C476	1-126-964-11	ELECT	10uF	20%	50V	C925	1-126-933-11	ELECT	100uF	20%	16V
C483	1-126-965-11	ELECT	22uF	20%	50V	C926	1-127-888-11	CERAMIC	0.1uF	10%	50V
C484	1-126-964-11	ELECT	10uF	20%	50V	C927	1-126-947-11	ELECT	47uF	20%	35V
C485	1-164-159-11	CERAMIC	0.1uF		50V	C928	1-126-967-11	ELECT	47uF	20%	50V
C486	1-128-817-11	CERAMIC	470PF	5%	50V	C929	1-128-560-11	ELECT	22uF	20%	100V
C487	1-128-817-11	CERAMIC	470PF	5%	50V	C930	1-128-560-11	ELECT	22uF	20%	100V
C490	1-126-925-11	ELECT	470uF	20%	10V	C931	1-164-159-11	CERAMIC	0.1uF		50V
C602	1-128-809-11	CERAMIC	100PF	5%	50V	C942	1-164-159-11	CERAMIC	0.1uF		50V
C603	1-107-583-11	CERAMIC	3PF	0.25PF	500V	< CONNECTOR >					
C604	1-128-817-11	CERAMIC	470PF	5%	50V	CNP901	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P			
C605	1-107-583-11	CERAMIC	3PF	0.25PF	500V	* CNP902	1-565-792-11	PIN, CONNECTOR (3.96mm PITCH) 2P			
C606	1-126-933-11	ELECT	100uF	20%	16V	* CNP903	1-564-242-00	PIN, CONNECTOR (3.96mm PITCH) 5P			
C607	1-126-963-11	ELECT	4.7uF	20%	50V	CNP904	1-691-767-11	PLUG (MICRO CONNECTOR) 5P			
C608	1-162-815-11	CERAMIC	47PF	5%	500V	CNS1	1-568-830-11	CONNECTOR, FFC 11P			
C652	1-128-809-11	CERAMIC	100PF	5%	50V	CNS2	1-784-776-11	CONNECTOR, FFC 15P			
C653	1-107-583-11	CERAMIC	3PF	0.25PF	500V	CNS3	1-784-776-11	CONNECTOR, FFC 15P			
C654	1-128-817-11	CERAMIC	470PF	5%	50V	< DIODE >					
C655	1-107-583-11	CERAMIC	3PF	0.25PF	500V	D701	8-719-991-33	DIODE 1SS133T-77			
C656	1-126-933-11	ELECT	100uF	20%	16V	D751	8-719-991-33	DIODE 1SS133T-77			
C657	1-126-963-11	ELECT	4.7uF	20%	50V	D781	8-719-991-33	DIODE 1SS133T-77			
C658	1-162-815-11	CERAMIC	47PF	5%	500V	D782	8-719-991-33	DIODE 1SS133T-77			
C701	1-126-947-11	ELECT	47uF	20%	35V	D783	8-719-991-33	DIODE 1SS133T-77			
C702	1-162-815-11	CERAMIC	47PF	5%	500V	D784	8-719-991-33	DIODE 1SS133T-77			
C703	1-162-815-11	CERAMIC	47PF	5%	500V	D785	8-719-991-33	DIODE 1SS133T-77			
C704	1-128-813-11	CERAMIC	220PF	5%	50V	D786	8-719-991-33	DIODE 1SS133T-77			
C705	1-137-372-11	MYLAR	0.022uF	5%	50V	D787	8-719-991-33	DIODE 1SS133T-77			
C751	1-126-947-11	ELECT	47uF	20%	35V	D788	8-719-991-33	DIODE 1SS133T-77			
C752	1-162-815-11	CERAMIC	47PF	5%	500V	D789	8-719-991-33	DIODE 1SS133T-77			
C753	1-162-815-11	CERAMIC	47PF	5%	500V	D901	6-500-522-11	DIODE 10EDB40-TA2B5			
C754	1-128-813-11	CERAMIC	220PF	5%	50V	D902	6-500-522-11	DIODE 10EDB40-TA2B5			
C755	1-137-372-11	MYLAR	0.022uF	5%	50V	D903	6-500-522-11	DIODE 10EDB40-TA2B5			
C781	1-126-923-11	ELECT	220uF	20%	10V	D904	6-500-522-11	DIODE 10EDB40-TA2B5			
C782	1-126-964-11	ELECT	10uF	20%	50V	D905	8-719-991-33	DIODE 1SS133T-77			
C791	1-164-159-11	CERAMIC	0.1uF		50V	D906	8-719-991-33	DIODE 1SS133T-77			
C901	1-164-159-11	CERAMIC	0.1uF		50V	D907	8-719-072-05	DIODE RBV-602LF-A			
C902	1-164-159-11	CERAMIC	0.1uF		50V	D908	6-500-522-11	DIODE 10EDB40-TA2B5			
C903	1-164-159-11	CERAMIC	0.1uF		50V						
C904	1-126-960-11	ELECT	1uF	20%	50V						

MAIN

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
D909	6-500-522-11	DIODE 10EDB40-TA2B5		R402	1-247-847-11	CARBON 4.7K 5%	1/4W
D910	6-500-522-11	DIODE 10EDB40-TA2B5		R403	1-249-421-11	CARBON 2.2K 5%	1/4W
D911	6-500-522-11	DIODE 10EDB40-TA2B5		R404	1-249-421-11	CARBON 2.2K 5%	1/4W
D912	8-719-986-54	DIODE HZS24-1LTA		R405	1-247-847-11	CARBON 4.7K 5%	1/4W
D913	8-719-109-89	DIODE RD5.6ESB2		R406	1-247-847-11	CARBON 4.7K 5%	1/4W
D914	6-500-522-11	DIODE 10EDB40-TA2B5		R407	1-247-847-11	CARBON 4.7K 5%	1/4W
D981	8-719-991-33	DIODE 1SS133T-77		R408	1-247-847-11	CARBON 4.7K 5%	1/4W
D982	8-719-991-33	DIODE 1SS133T-77		R409	1-249-421-11	CARBON 2.2K 5%	1/4W
		< EARTH TERMINAL >		R410	1-249-421-11	CARBON 2.2K 5%	1/4W
* EP901	1-537-738-21	TERMINAL, EARTH		R411	1-247-847-11	CARBON 4.7K 5%	1/4W
		< IC >		R412	1-247-847-11	CARBON 4.7K 5%	1/4W
IC401	6-700-261-01	IC BD3861FS		R413	1-247-843-11	CARBON 3.3K 5%	1/4W
IC402	6-710-289-01	IC R2S15904SP		R414	1-247-843-11	CARBON 3.3K 5%	1/4W
IC403	8-759-167-88	IC NJM4565D		R415	1-247-831-11	CARBON 1K 5%	1/4W
IC404	8-759-932-33	IC BU4066BC		R416	1-247-871-11	CARBON 47K 5%	1/4W
IC601	6-705-630-01	IC STK350-430					
IC901	8-759-333-83	IC NJM2103D		R421	1-247-871-11	CARBON 47K 5%	1/4W
IC902	8-759-231-53	IC TA7805S		R422	1-247-863-11	CARBON 22K 5%	1/4W
IC903	8-759-231-57	IC TA7810S		R423	1-247-863-11	CARBON 22K 5%	1/4W
IC904	6-702-771-01	IC TA78033LS		R424	1-249-429-11	CARBON 10K 5%	1/4W
IC906	8-759-243-51	IC TC74ACT08P		R425	1-247-847-11	CARBON 4.7K 5%	1/4W
		< JACK >		R426	1-247-847-11	CARBON 4.7K 5%	1/4W
J801	1-774-411-11	JACK, PIN 6P (CD IN,MD/TAPE OUT,		R427	1-247-879-11	CARBON 100K 5%	1/4W
		MD/TAPE IN)		R428	1-247-879-11	CARBON 100K 5%	1/4W
J802	1-774-411-11	JACK, PIN 6P (VIDEO 2 AUDIO IN,		R451	1-247-847-11	CARBON 4.7K 5%	1/4W
		VIDEO 1 AUDIO OUT/AUDIO IN)		R452	1-247-847-11	CARBON 4.7K 5%	1/4W
		< COIL >		R453	1-249-421-11	CARBON 2.2K 5%	1/4W
L701	1-420-872-52	COIL, AIR-CORE		R454	1-249-421-11	CARBON 2.2K 5%	1/4W
L751	1-420-872-52	COIL, AIR-CORE		R455	1-247-847-11	CARBON 4.7K 5%	1/4W
		< TRANSISTOR >		R456	1-247-847-11	CARBON 4.7K 5%	1/4W
Q424	8-729-029-86	TRANSISTOR DTC124ESA		R457	1-247-847-11	CARBON 4.7K 5%	1/4W
Q474	8-729-029-86	TRANSISTOR DTC124ESA		R458	1-247-847-11	CARBON 4.7K 5%	1/4W
Q701	8-729-119-76	TRANSISTOR 2SA1175-HFE		R459	1-249-421-11	CARBON 2.2K 5%	1/4W
Q702	8-729-141-30	TRANSISTOR 2SC3623A-LK		R460	1-249-421-11	CARBON 2.2K 5%	1/4W
Q705	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP		R461	1-247-847-11	CARBON 4.7K 5%	1/4W
Q706	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP		R462	1-247-847-11	CARBON 4.7K 5%	1/4W
Q751	8-729-119-76	TRANSISTOR 2SA1175-HFE		R463	1-247-843-11	CARBON 3.3K 5%	1/4W
Q752	8-729-141-30	TRANSISTOR 2SC3623A-LK		R464	1-247-843-11	CARBON 3.3K 5%	1/4W
Q755	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP		R465	1-247-831-11	CARBON 1K 5%	1/4W
Q756	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP		R466	1-247-871-11	CARBON 47K 5%	1/4W
Q781	8-729-119-79	TRANSISTOR 2SC2785-FEK		R471	1-247-871-11	CARBON 47K 5%	1/4W
Q782	8-729-119-79	TRANSISTOR 2SC2785-FEK		R472	1-247-863-11	CARBON 22K 5%	1/4W
Q783	8-729-119-79	TRANSISTOR 2SC2785-FEK		R473	1-247-863-11	CARBON 22K 5%	1/4W
Q784	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP		R474	1-249-429-11	CARBON 10K 5%	1/4W
Q785	8-729-119-79	TRANSISTOR 2SC2785-FEK		R475	1-247-847-11	CARBON 4.7K 5%	1/4W
Q786	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA		R476	1-247-847-11	CARBON 4.7K 5%	1/4W
Q901	8-729-119-79	TRANSISTOR 2SC2785-FEK		R477	1-247-879-11	CARBON 100K 5%	1/4W
Q902	8-729-045-21	TRANSISTOR 2SD1513TP-LK		R478	1-247-879-11	CARBON 100K 5%	1/4W
Q903	8-729-119-79	TRANSISTOR 2SC2785-FEK		R481	1-247-807-31	CARBON 100 5%	1/4W
Q904	8-729-140-97	TRANSISTOR 2SB734-34		R482	1-247-807-31	CARBON 100 5%	1/4W
		< RESISTOR >		R484	1-247-807-31	CARBON 100 5%	1/4W
R401	1-247-847-11	CARBON 4.7K 5%	1/4W	R485	1-247-807-31	CARBON 100 5%	1/4W
				R602	1-249-439-11	CARBON 68K 5%	1/4W
				R603	1-249-439-11	CARBON 68K 5%	1/4W
				R604	1-247-831-11	CARBON 1K 5%	1/4W
				R605	1-247-831-11	CARBON 1K 5%	1/4W
				R606	1-247-879-11	CARBON 100K 5%	1/4W
				R652	1-249-439-11	CARBON 68K 5%	1/4W
				R653	1-249-439-11	CARBON 68K 5%	1/4W

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R654	1-247-831-11	CARBON	1K	5%	1/4W	R912	1-247-831-11	CARBON	1K	5%	1/4W
R655	1-247-831-11	CARBON	1K	5%	1/4W	R913	1-249-404-00	CARBON	82	5%	1/4W F
R656	1-247-879-11	CARBON	100K	5%	1/4W	R914	1-247-847-11	CARBON	4.7K	5%	1/4W
R697	1-247-879-11	CARBON	100K	5%	1/4W	△ R915	1-240-877-11	FUSIBLE	0.15	5%	1/2W F
R701	1-249-421-11	CARBON	2.2K	5%	1/4W	R916	1-249-389-11	CARBON	4.7	5%	1/4W F
R702	1-249-440-11	CARBON	82K	5%	1/4W	R917	1-249-429-11	CARBON	10K	5%	1/4W
R703	1-249-414-11	CARBON	560	5%	1/4W	R918	1-247-831-11	CARBON	1K	5%	1/4W
R704	1-249-402-11	CARBON	56	5%	1/4W F	R919	1-247-871-11	CARBON	47K	5%	1/4W
R705	1-249-402-11	CARBON	56	5%	1/4W F	R920	1-247-871-11	CARBON	47K	5%	1/4W
R706	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2 5W				R923	1-249-429-11	CARBON	10K	5%	1/4W
R707	1-247-847-11	CARBON	4.7K	5%	1/4W	R926	1-247-791-11	CARBON	22	5%	1/4W
R708	1-240-855-81	CARBON	6.2K	5%	1/4W F	R929	1-249-401-11	CARBON	47	5%	1/4W F
R709	1-249-419-11	CARBON	1.5K	5%	1/4W	R930	1-249-401-11	CARBON	47	5%	1/4W F
R710	1-247-881-00	CARBON	120K	5%	1/4W			< RELAY >			
R711	1-249-431-11	CARBON	15K	5%	1/4W						
R712	1-249-393-11	CARBON	10	5%	1/4W F	RY781	1-755-416-12	RELAY			
R713	1-247-871-11	CARBON	47K	5%	1/4W	RY782	1-755-416-12	RELAY			
R714	1-249-389-11	CARBON	4.7	5%	1/4W F	RY783	1-755-416-12	RELAY			
R751	1-249-421-11	CARBON	2.2K	5%	1/4W	RY981	1-755-013-11	RELAY			
R752	1-249-440-11	CARBON	82K	5%	1/4W	△ RY982	1-755-276-11	RELAY, POWER			
R753	1-249-414-11	CARBON	560	5%	1/4W			< TRANSFORMER >			
R754	1-249-402-11	CARBON	56	5%	1/4W F						
R755	1-249-402-11	CARBON	56	5%	1/4W F	△ T902	1-435-281-11	TRANSFORMER, POWER (SUB)			
R756	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2 5W						< TERMINAL BOARD >			
R757	1-247-847-11	CARBON	4.7K	5%	1/4W						
R758	1-240-855-81	CARBON	6.2K	5%	1/4W F	TM801	1-537-376-11	TERMINAL BOARD (SPEAKERS A,B)			
R759	1-249-419-11	CARBON	1.5K	5%	1/4W						
R760	1-247-881-00	CARBON	120K	5%	1/4W						
R761	1-249-431-11	CARBON	15K	5%	1/4W						
R762	1-249-393-11	CARBON	10	5%	1/4W F						
R763	1-247-871-11	CARBON	47K	5%	1/4W						
R764	1-249-389-11	CARBON	4.7	5%	1/4W F						
R781	1-247-847-11	CARBON	4.7K	5%	1/4W						
R782	1-247-847-11	CARBON	4.7K	5%	1/4W						
R783	1-247-847-11	CARBON	4.7K	5%	1/4W						
R784	1-249-404-00	CARBON	82	5%	1/4W F						
R785	1-249-404-00	CARBON	82	5%	1/4W F						
R786	1-247-847-11	CARBON	4.7K	5%	1/4W						
R787	1-247-847-11	CARBON	4.7K	5%	1/4W						
R788	1-249-427-11	CARBON	6.8K	5%	1/4W						
R789	1-247-871-11	CARBON	47K	5%	1/4W						
R790	1-247-831-11	CARBON	1K	5%	1/4W						
R791	1-247-871-11	CARBON	47K	5%	1/4W						
△ R792	1-215-891-11	METAL OXIDE	680	5%	2W F						
△ R793	1-215-891-11	METAL OXIDE	680	5%	2W F						
R794	1-249-429-11	CARBON	10K	5%	1/4W						
R795	1-249-404-00	CARBON	82	5%	1/4W F						
R901	1-247-847-11	CARBON	4.7K	5%	1/4W						
R902	1-249-381-11	CARBON	1	5%	1/4W F						
△ R903	1-219-237-11	SOLID	3.3M	20%	1/2W F						
R904	1-249-435-11	CARBON	33K	5%	1/4W						
R905	1-247-863-11	CARBON	22K	5%	1/4W						
R906	1-249-421-11	CARBON	2.2K	5%	1/4W						
R907	1-249-428-11	CARBON	8.2K	5%	1/4W						
R908	1-249-422-11	CARBON	2.7K	5%	1/4W						
R909	1-249-431-11	CARBON	15K	5%	1/4W						
R910	1-249-429-11	CARBON	10K	5%	1/4W						
R911	1-247-843-11	CARBON	3.3K	5%	1/4W						

REVISION HISTORY

Clicking the version allows you to jump to the revised page.

Also, clicking the version at the upper right on the revised page allows you to jump to the next revised page.

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