

STR-DE435/DE535/SE491/V424/V525

SERVICE MANUAL

Ver 1.1 2003.05



Photo: STR-DE535

US Model

STR-DE435/DE535/SE491

Canadian Model

STR-DE435/DE535

AEP Model

STR-DE435

E Model

STR-DE435/DE535

Australian Model

STR-DE435/DE535

Chinese Model

STR-V424/V525

Dolby Laboratories Licensing Corporation.
"DOLBY" the double-D symbol  "AC-3" and "PRO LOGIC"
are trademarks of Dolby Laboratories Licensing Corporation.

SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION

With 8-ohm load, both channels driven, from 20^{a)} – 20,000 Hz rated 100 watts per channel minimum RMS power, with no more than 0.09%^{b)} total harmonic distortion from 250 milliwatts to rated output.

STR-SE491:

- a) 40Hz
- b) 0.5%

Amplifier section

Stereo mode

STR-DE535/DE435:
(8Ω at 20Hz – 20kHz
less than 0.09% total
harmonic distortion)
100W + 100W

STR-SE491:
(8Ω at 40Hz – 20kHz less
than 0.5% total harmonic
distortion)
100W + 100W
STR-DE535/435:
(8Ω at 1kHz, THD 0.8%)
Front: 100W/ch
Center*: (Pro Logic Mode)
100W
Rear*: 100W/ch

Surround mode and
5.1CH/DVD mode

STR-SE491:
(8Ω at 1kHz, THD 0.5%)
Front: 100W/ch
Center*: 100W
Rear*: 100W/ch

Frequency response

PHONO: RIAA
equalization curve
±0.5dB
(except STR-DE435)

TV/SAT, CD, MD/
TAPE, VIDEO, 5.1CH/
DVD
10Hz – 50kHz ± 1dB

Inputs

	Sensitivity	Impedance	S/N
PHONO (except STR- DE435)	4mV	50 kilohms	86dB
CD, 5.1CH/ DVD, MD/TAPE, TV/SAT, VIDEO	250mV	50 kilohms	96dB

Outputs

MD/TAPE REC OUT:
Voltage: 250mV,
Impedance: 10kilohms
VIDEO AUDIO OUT:
Voltage: 250mV,
Impedance: 10kilohms
WOOFER:
Voltage: 2V
Impedance: 1kilohms
PHONES: Accepts low
and high impedance
headphones

Muting
BASS BOOST
TONE

Full mute
+8dB at 70Hz
±8dB at 100Hz and
10kHz

Tuner section

FM Stereo, FM/AM superheterodyne tuner

FM tuner section

Tuning range 87.5 – 108.0MHz
Antenna terminals 75Ω, unbalanced
Intermediate frequency 10.7MHz
Sensitivity Mono: 18.3dBf,
4.5μV
Stereo: 38.3dBf,
45μV
Usable sensitivity 11.2dBf, 2μV (IHF)
S/N Mono: 76dB
Stereo: 70dB
Harmonic Mono: 0.3%
distortion at 1kHz Stereo: 0.5%
Separation 45dB at 1kHz
Frequency response 30Hz – 15kHz ^{+0.5} ₋₂ dB
Selectivity 60dB at 400kHz

— Continued on next page —

FM STEREO FM-AM RECEIVER

9-928-848-12

2003E16-1

© 2003.05

Sony Corporation

Home Audio Company

Published by Sony Engineering Corporation

SONY®

AM tuner section

Tuning range	10kHz interval** 530 – 1,710kHz 9kHz interval 531 – 1,710kHz
Antenna	Loop antenna
Intermediate frequency	450kHz
Usable sensitivity	50dB/m (at 1,000kHz)
S/N	54dB (at 50mV/m)
Harmonic distortion	0.5% (50mV/m, 400Hz)
Selectivity	At 10kHz: 40dB At 9kHz: 35dB

** You can change the AM tuning interval between 9kHz and 10kHz. After tuning in any AM station, turn off the receiver.
Hold down the PRESET TUNING+ buttoh and press the I/⏻ (power) button. All preset stations will be erased when you change the interval. To reset the interval, repeat the procedure.

VIDEO section (except STR-SE491)

Inputs	VIDEO, TV/SAT, 5.1CH/DVD: 1Vp-p 75Ω
Outputs	VIDEO, MONITOR: 1Vp-p 75Ω

General

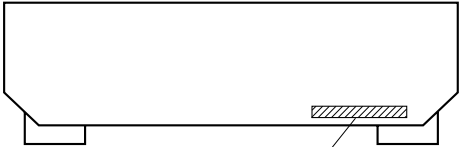
System	Tuner section: PLL quartz-locked digital synthesizer system Preamplifier section: Low-noise NF type equalizer Power amplifier section: Pure-complementary SEPP
Power requirements	120V AC, 60Hz
Power consumption	220W
AC outlets	STR-DE535/SE491: 2 switched, total 120W/1A Max STR-DE435: 1 switched, total 120W/1A Max
Dimensions	430 × 157 × 366 mm (17 × 6 ¹ / ₈ × 14 ⁵ / ₈ inches)
Mass (Aporox.)	STR-DE535: 11.1kg (24 lb 6 oz) STR-DE435: 11.0kg (24 lb 3 oz) STR-DE491: 11.2kg (24 lb 9 oz)
Supplid accessories	FM wire antenna (1) AM loop antenna (1) Remote commander (remote) (1) LR6 (size - AA) batteries (3) (STR-DE535 only) R6 (size - AA) batteries (2) (STR-DE435/SE491 only)

* Depending on the sound field setting and the source, there may be no sound output.

Design and specifications are subject to change without notice.

MODEL IDENTIFICATION

— BACK PANEL —



Parts No.

MODEL	PARTS No.
DE535: US model	4-216-927-0□
DE535: Canadian model	4-216-927-1□
DE535: Australian model	4-216-927-2□
DE535: E model	4-216-927-3□
DE535: Malaysia, Singapore model	4-216-927-4□
V525: Chinese model	4-216-927-5□
DE435: US model	4-217-181-0□
DE435: Canadian model	4-217-181-1□
DE435: Australian model	4-217-181-2□
DE435: Malaysia, Singapore model	4-217-181-3□
V424: Chinese model	4-217-181-4□
DE435: AEP model	4-217-181-5□
DE435: East European, CIS model	4-217-181-6□
SE491: US model	4-217-181-7□

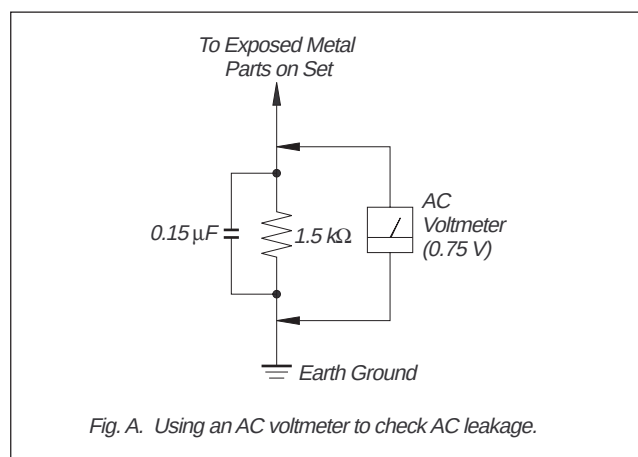
SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks 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

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 $\triangle$ OR DOTTED LINE WITH MARK $\triangle$ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

TABLE OF CONTENTS

1. GENETAL	
2. TEST MODE	
3. DIAGRAMS	
3-1. Circuit Boards Location	
3-2. Block Diagrams	
• Main Section	
• Power Section	
3-3. Printed Wiring Board — Input Section —	13
3-4. Schematic Diagram — Input Section —	15
3-5. Printed Wiring Board — Surround Section —	17
3-6. Schematic Diagram — Surround Section —	19
3-7. Printed Wiring Board — Display Section —	21
3-8. Schematic Diagram — Display Section —	23
3-9. Printed Wiring Board — Key Section —	25
3-10. Schematic Diagram — Key Section —	27
3-11. Printed Wiring Board — Rear Amp Section —	29
3-12. Schematic Diagram — Rear Amp Section —	31
3-13. Printed Wiring Board — Power Amp Section —	33
3-14. Schematic Diagram — Power Amp Section —	35
3-15. IC Pin Function Description	3
3-16. IC Block Diagrams	
4. EXPLODEO VIEWS	
4-1. Front Panel Section	
4-2. Chassis Section	
5. ELECTRICAL PARTS LIST	44

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFÉS PAR UNE MARQUE $\triangle$ 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.

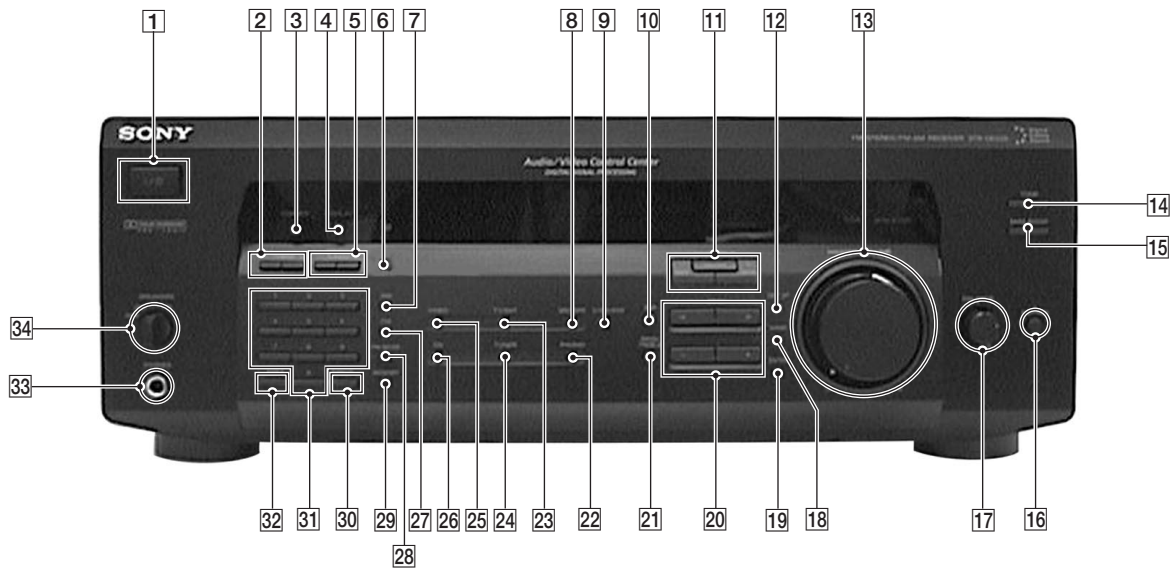
与安全有关的零部件须知

在原理图上用阴影及 $\triangle$ 标记来识别的零部件在安全操作上是具有关键性的。这些零部件要用本手册中所示的部件号对应的索尼零部件进行更换。

在安全操作上具有关键性的电路调整与索尼公司出版的维修手册完全一致。在更换关键零部件时或怀疑动作失常时，请进行这些调整操作。

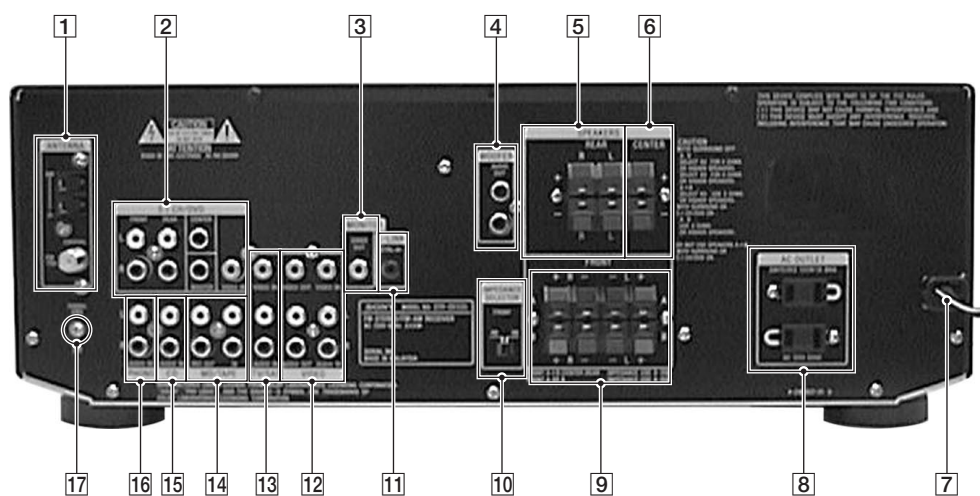
SECTION 1 GENERAL

Front Panel



- | | |
|--|---|
| 1 I/⏻ (POWER) button | 18 NAME button |
| 2 TUNING +, - button | 19 ENTER button |
| 3 DIMMER button | 20 MENU <, >, +, - buttons |
| 4 DISPLAY button | 21 BASS/TREBLE button |
| 5 PRESET/PTY SELECT +, - buttons (DE435),
PRESET TUNING +, - buttons (DE535) | 22 PHONO button (DE535 only) |
| 6 RDS PTY button (DE435 only) | 23 TV/LD button (DE435), TV/SAT button (DE535) |
| 7 RDS EON button (DE435), AM button (DE535) | 24 TUNER button |
| 8 MD/TAPE button | 25 VIDEO button |
| 9 5.1CH/DVD button | 26 CD button |
| 10 SUR button | 27 FM/AM button (DE435), FM button (DE535) |
| 11 SOUND FIELD ON/OFF, MODE +, - buttons | 28 FM MODE button |
| 12 SET UP button | 29 MEMORY button |
| 13 MASTER VOLUME control | 30 DIRECT button |
| 14 TONE button | 31 Number buttons |
| 15 BASS BOOST button | 32 SHIFT button |
| 16 MUTING button | 33 PHONES jack |
| 17 BALANCE control | 34 SPEAKERS A. B switch |

Rear Panel



- 1 ANTENNA (FM/AM)
- 2 5.1CH/DVD
- 3 MONITOR
- 4 WOOFER
- 5 SPEAKER (REAR)
- 6 SPEAKER (CENTER)
- 7 AC power cord
- 8 AC OUTLET
- 9 SPEAKER (FRONT)
- 10 IMPEDANCE SELECTOR (DE535 only)
- 11 S-LINK (DE535 only)
- 12 VIDEO
- 13 TV/LD (DE435), TV/SAT (DE535)
- 14 MD/TAPE
- 15 CD
- 16 PHONO (DE535 only)
- 17 $\hbar$ SIGNAL GND (DE535 only)

SECTION 2 TEST MODE

SOFTWARE VERSION DISPLAY MODE

* The software version is displayed.

* Procedure:

While depressing the MD/TAPE and the DIRECT buttons simultaneously, press the power [I/⏻] button to turn on the main power. The model name, destination and the software version are displayed.

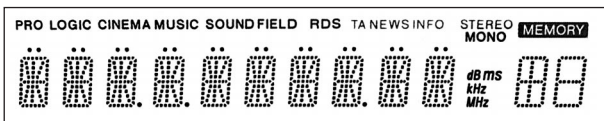
FLUORESCENT INDICATOR TUBE TEST MODE

* 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:

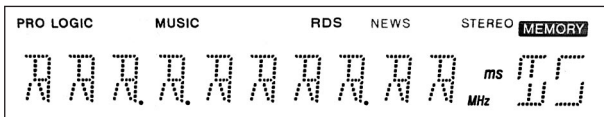
While depressing the TV/SAT and the DIRECT buttons simultaneously, press the power [I/⏻] button to turn on the main power.

1. All segments turn on.



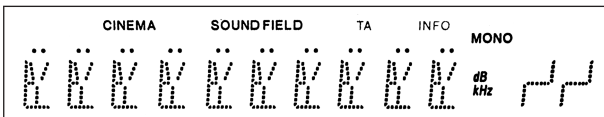
VIDEO, TV/SAT, MD/TAPE, CD, TUNER and PHONO LED turn on.

2. Press the VIDEO button, confirm display



5.1CH/DVD, SUR, BASS/TREBLE, SET UP and NAME LED turn on.

3. Press the VIDEO button, confirm display



TONE, BASS BOOST and MUTING LED turn on.

4. Press the VIDEO button, All segments turn off.

5. Every pressing of the VIDEO button turns on each segment one after another in the following order.

(Not only the VIDEO button, but also the other buttons such as TV/SAT, MD/TAPE, CD, TUNER, PHONO, 1, 2, 3, 4, 5, 6, 7, 8, 9, 0 can be used.)

FACTORY SET MODE

* All preset contents are reset to the default setting.

* Procedure:

While depressing the VIDEO and the DIRECT buttons simultaneously, press the power [I/⏻] button to turn on the main power. The message FACTORY appears and the present contents are reset to the default values.

ALL CLEAR MODE

* All preset contents are cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.

* Procedure:

While depressing the TUNER and the MD/TAPE buttons simultaneously, press the power [I/⏻] button to turn on the main power. Alternatively, press I/⏻ more than 4S. The message ALL CLEAR appears and initialization is performed.

SURROUND CLEAR MODE

* The preset sound field is cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.

* Procedure:

While depressing the SOUND FIELD ON/OFF button, press the power [I/⏻] button to turn on the main power. The message SUR CLEAR appears and initialization is performed.

AM CHANNEL STEP 9 kHz/10 kHz SELECTION MODE

* Either the 9 kHz step or 10 kHz step can be selected for the AM channel step.

* Procedure:

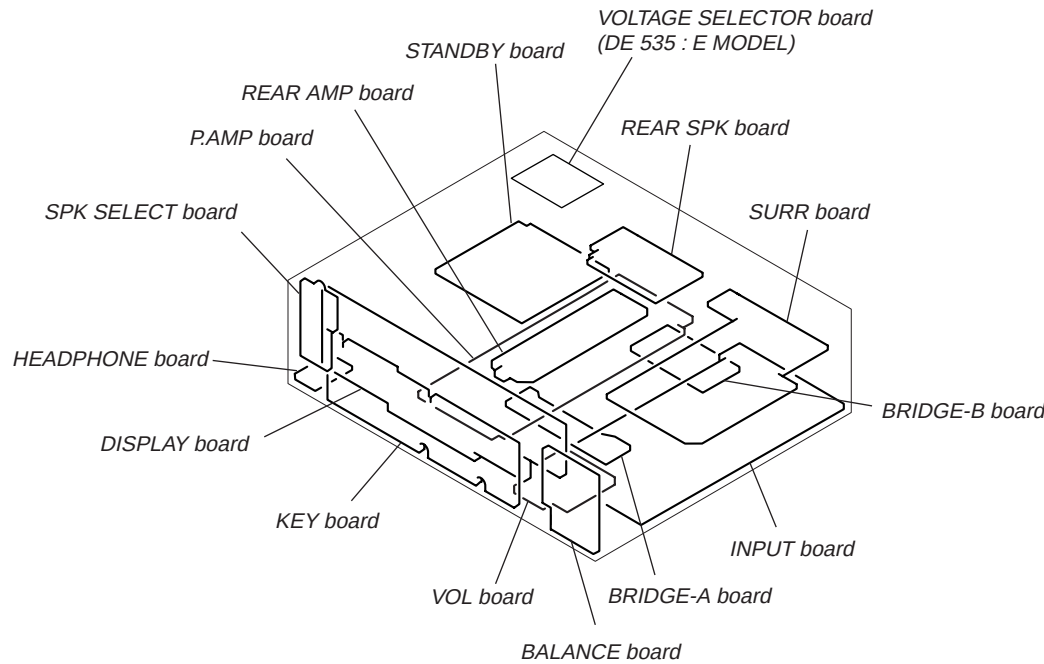
Set the FUNCTION to AM. Turn off the main power.

While depressing the TUNING+ button or the PRESET+ button, press the power [I/⏻] button to turn on the main power. Either the message AM 9k STEP or AM 10k STEP appears. Select the desired step.

* For US/Canadian/E model only

SECTION 3
DIAGRAMS

3-1. CIRCUIT BOARDS LOCATION



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

For schematic diagrams.

Note:

- All capacitors are in μF unless otherwise noted. pF: μF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified.
- % : indicates tolerance.
- 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.

以阴影和 Δ 标志来识别的零
部件，在安全方面具有关键
性，因此只能以规定号码的
零部件来更换。

Note:

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

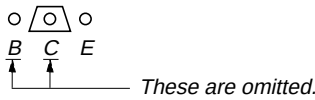
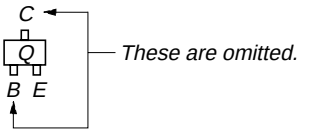
-  : B+ Line.
-  : B- Line.
-  : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
No mark : FM
- Voltages are taken with a VOM (Input impedance 10 M Ω).
Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
- Circled numbers refer to waveforms.
- Signal path.
 : FM
 : CD
 : VIDEO
 : PHONO
- Abbreviation
CND : Canadian model
AUS : Australian model
CH : Chinese model
MY : Malaysia model
SP : Singapore model

EA : Saudi Arabia model
EE : East European model

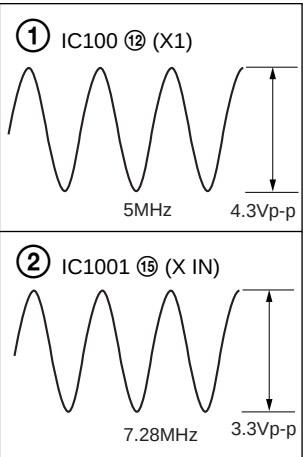
For printed wiring boards.

Note:

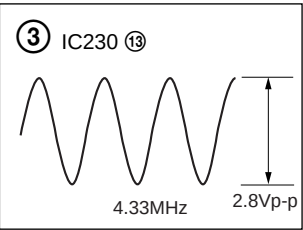
-  : parts extracted from the component side.
-  : Through hole.
-  : internal component.
-  : Pattern from the side which enables seeing.

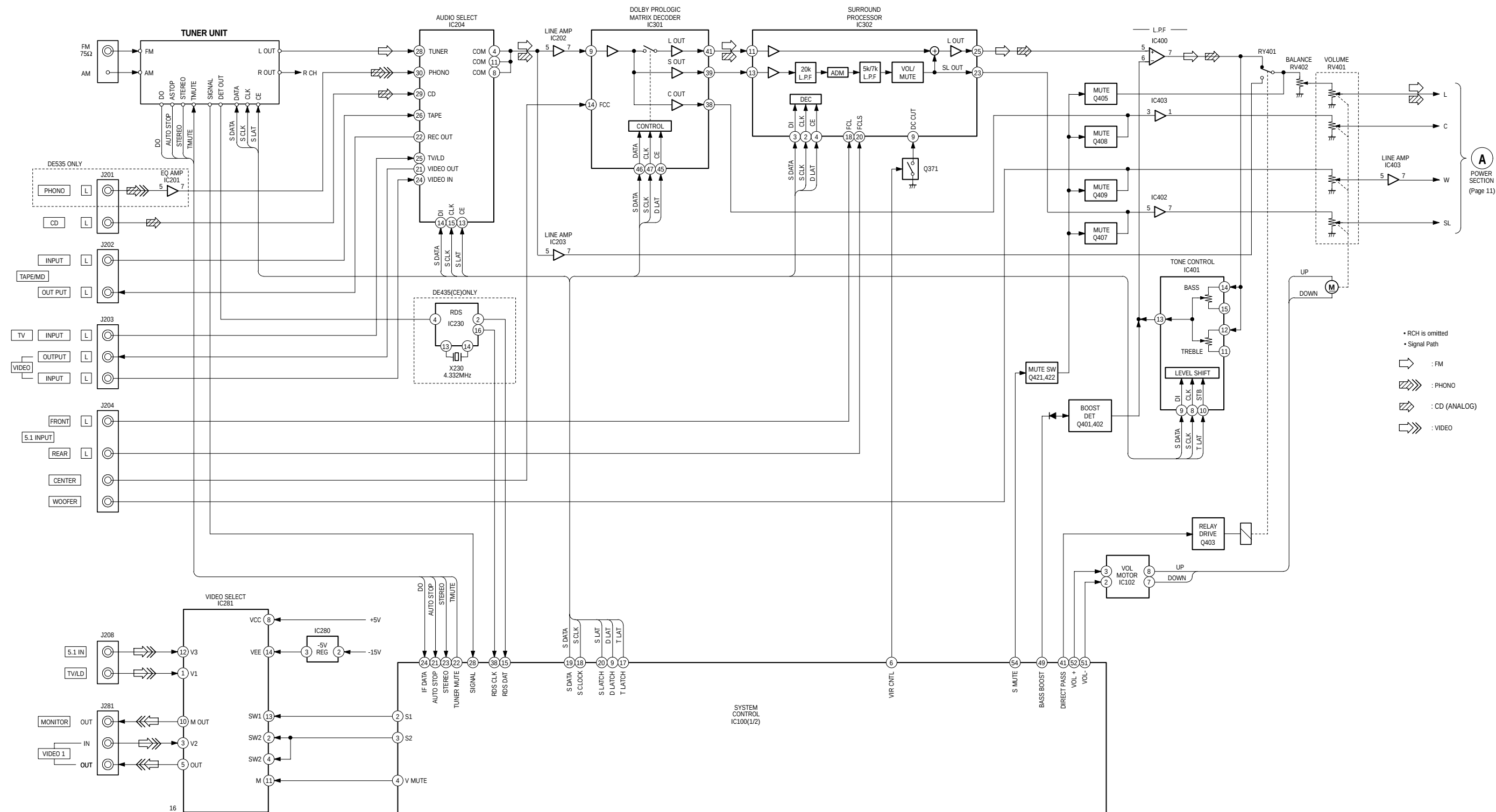


• Waveform
– DISPLAY SECTION –

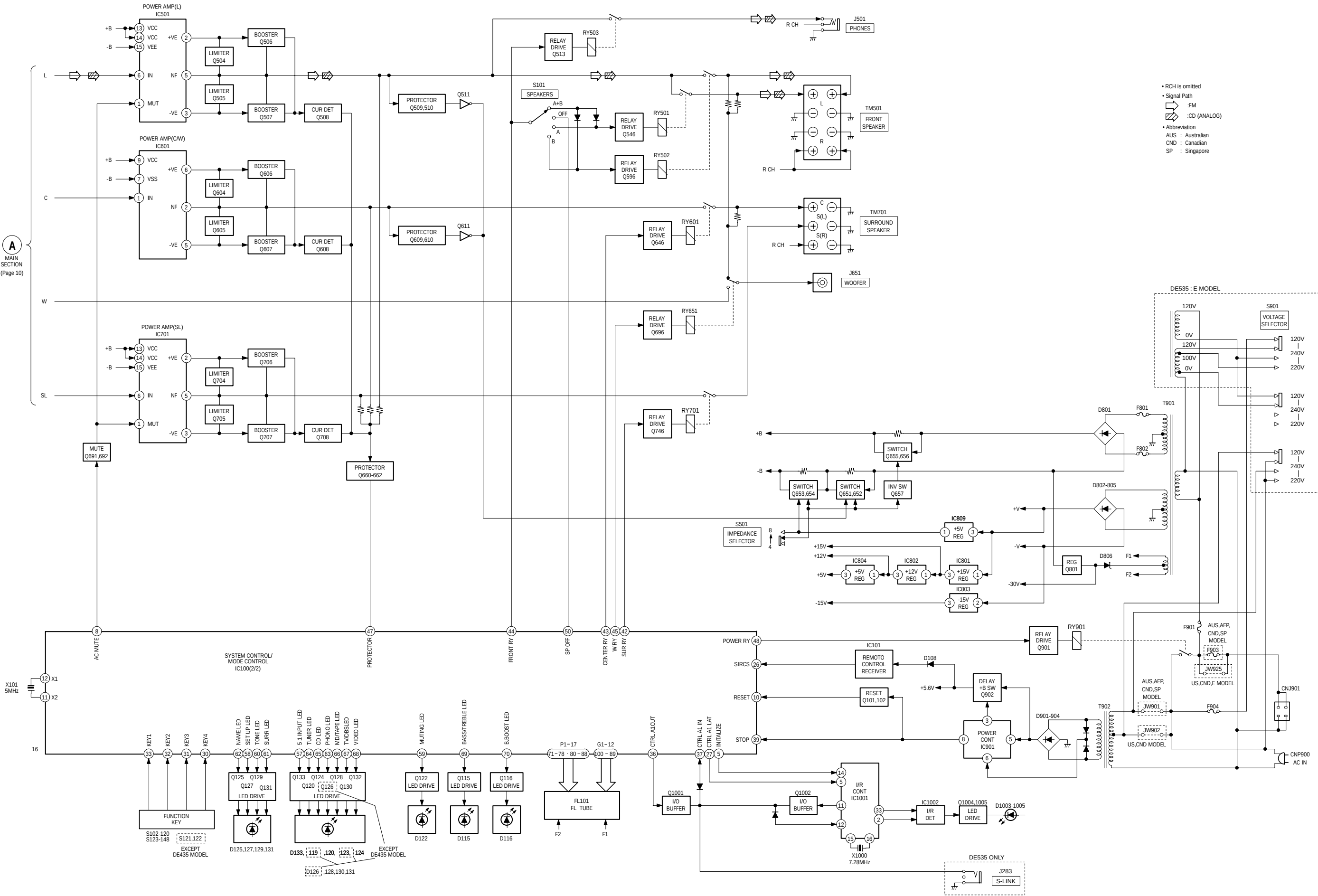


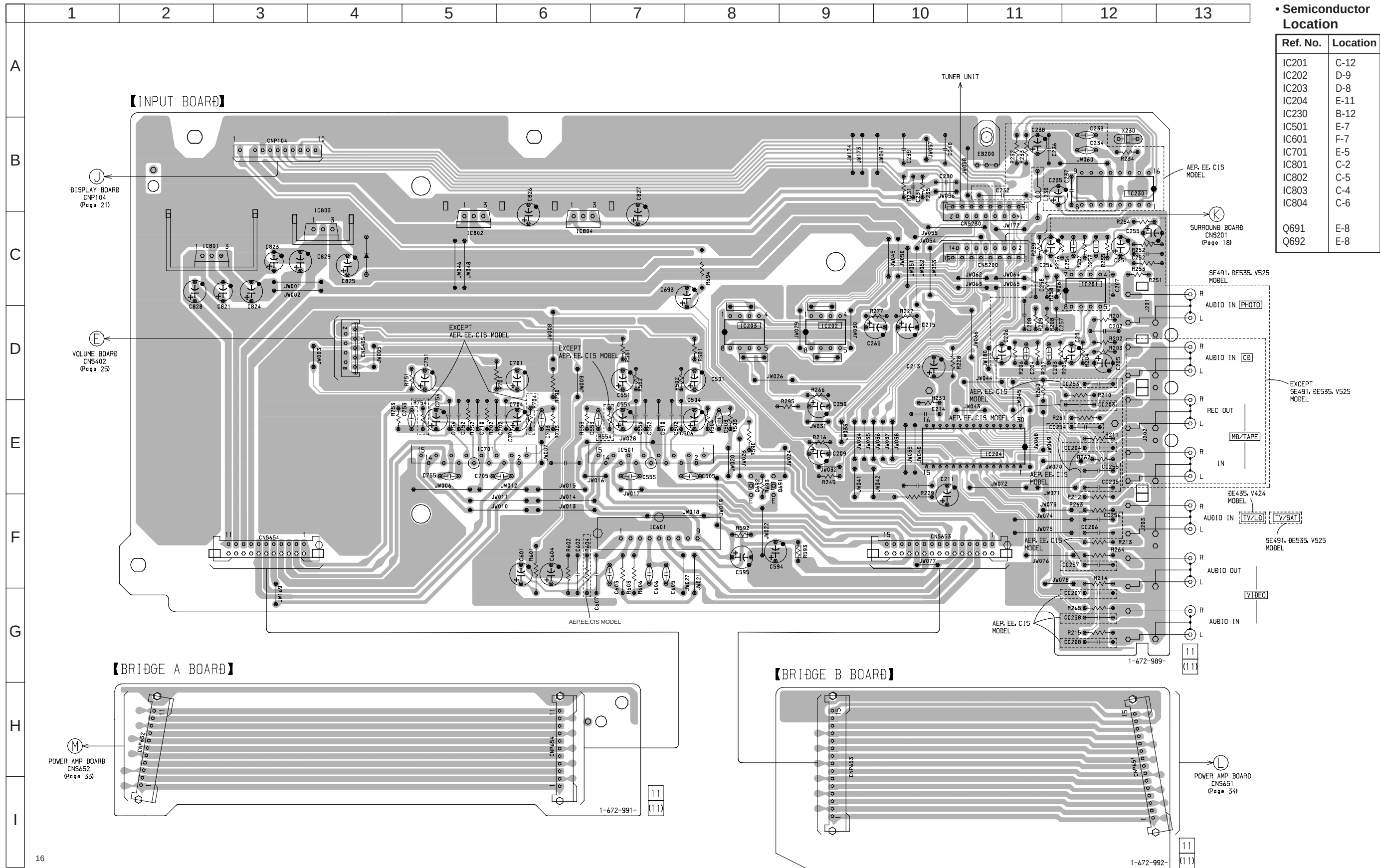
– INPUT SECTION –





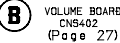
— POWER SECTION —

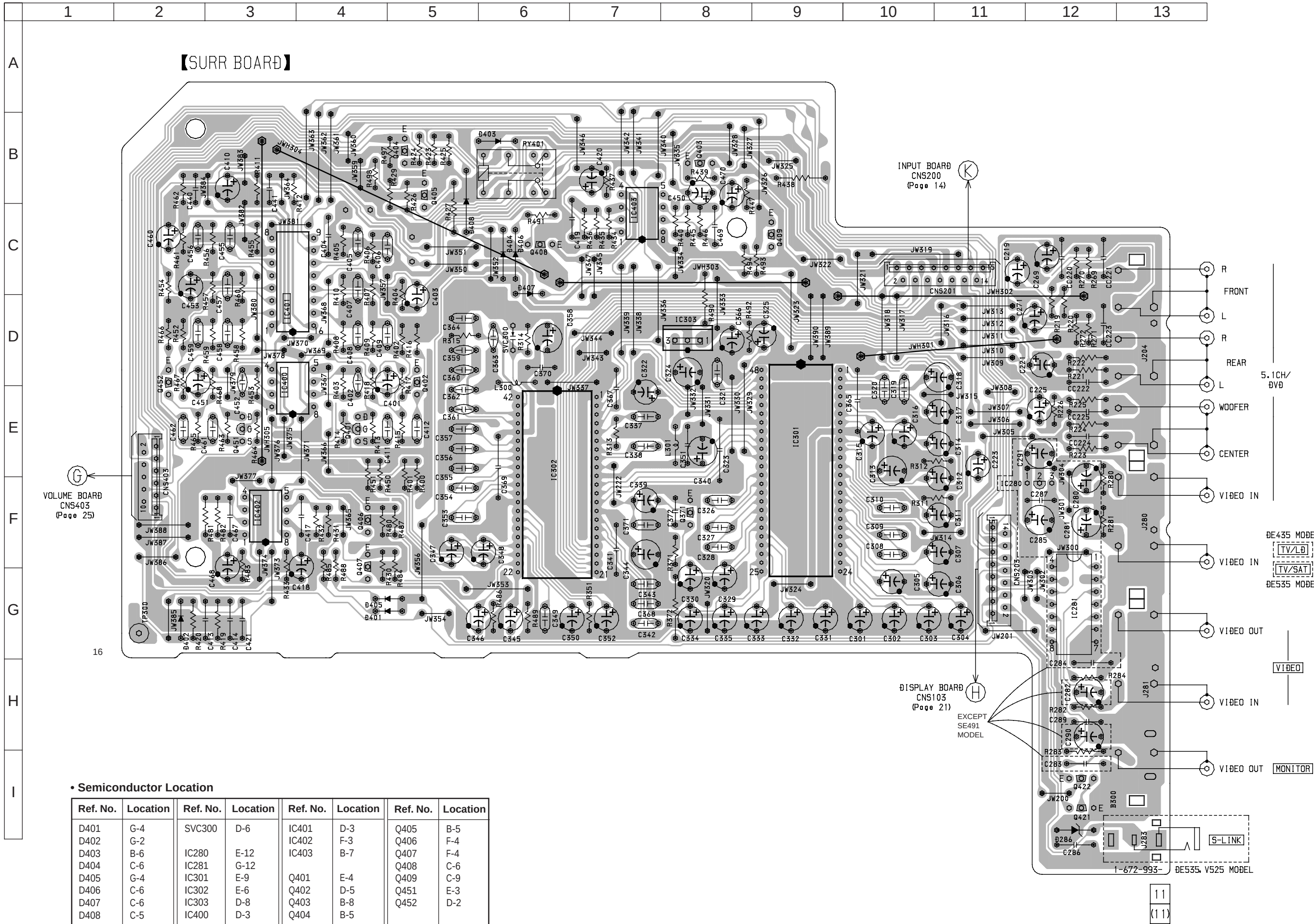




16

- 15 —

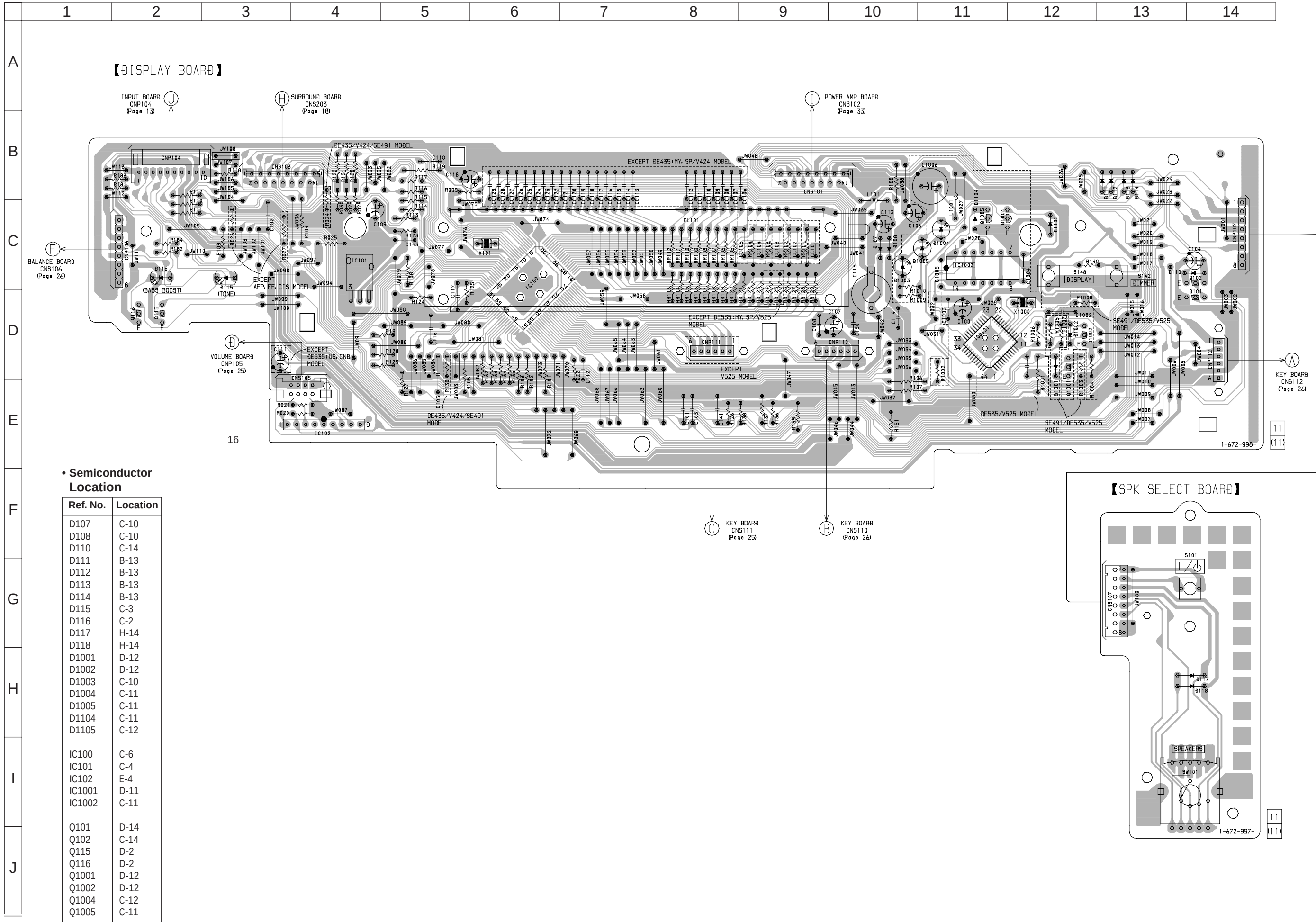


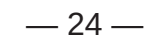


— 19 —

- Refer to page 39 for IC Block Diagrams.

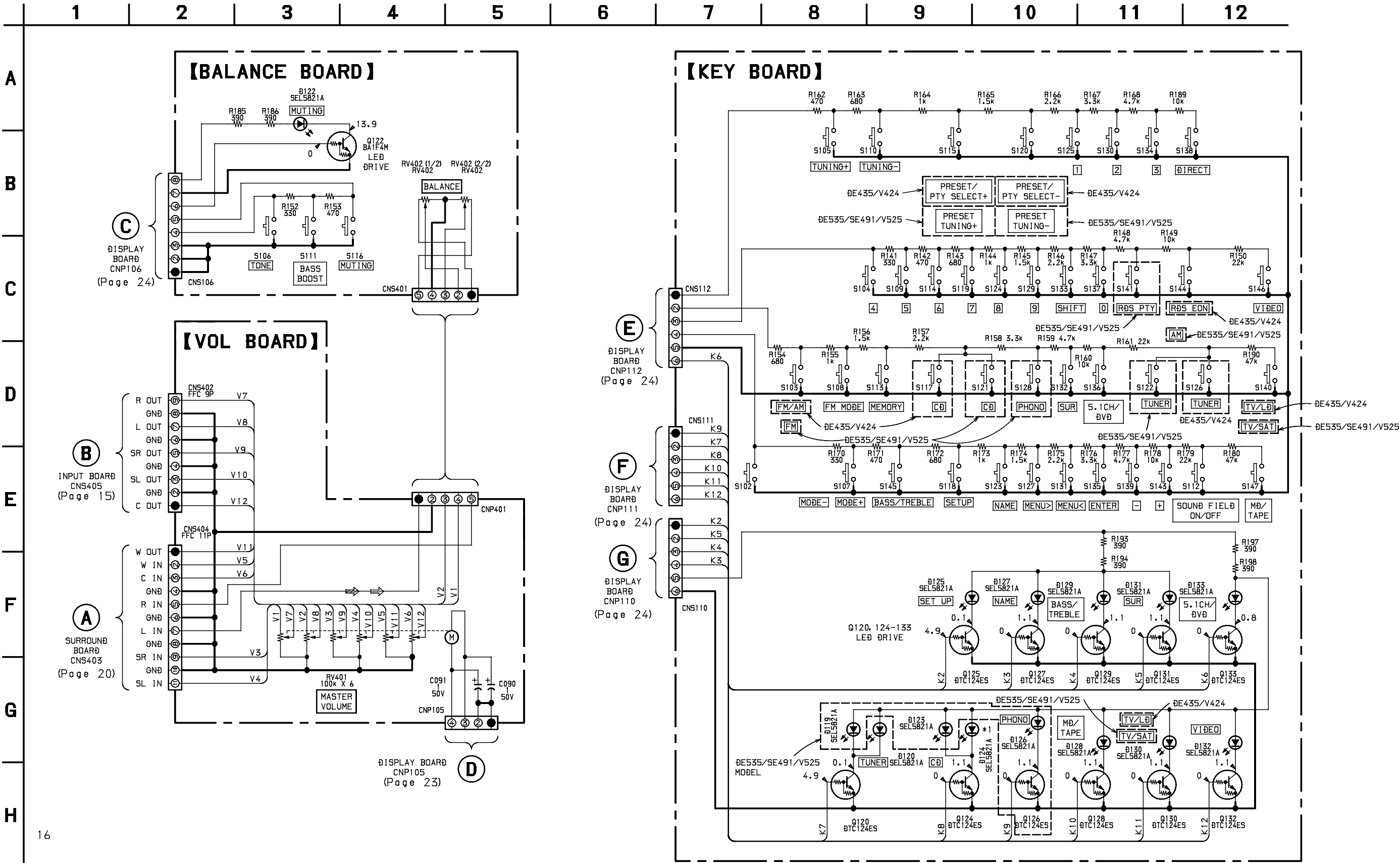


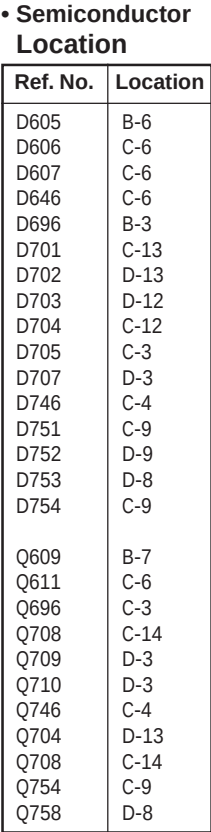




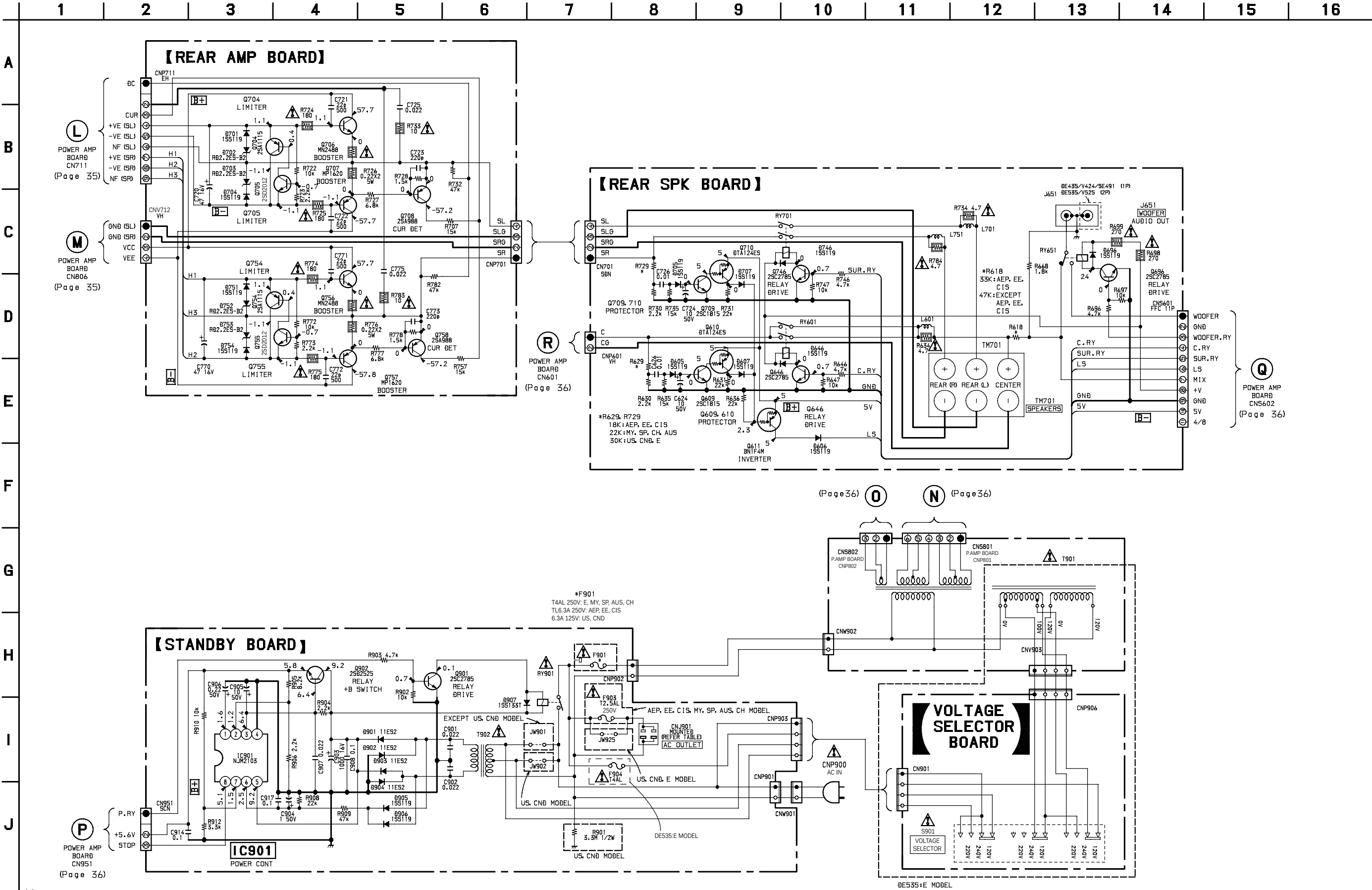
16

3-10. SCHEMATIC DIAGRAM — KEY SECTION —





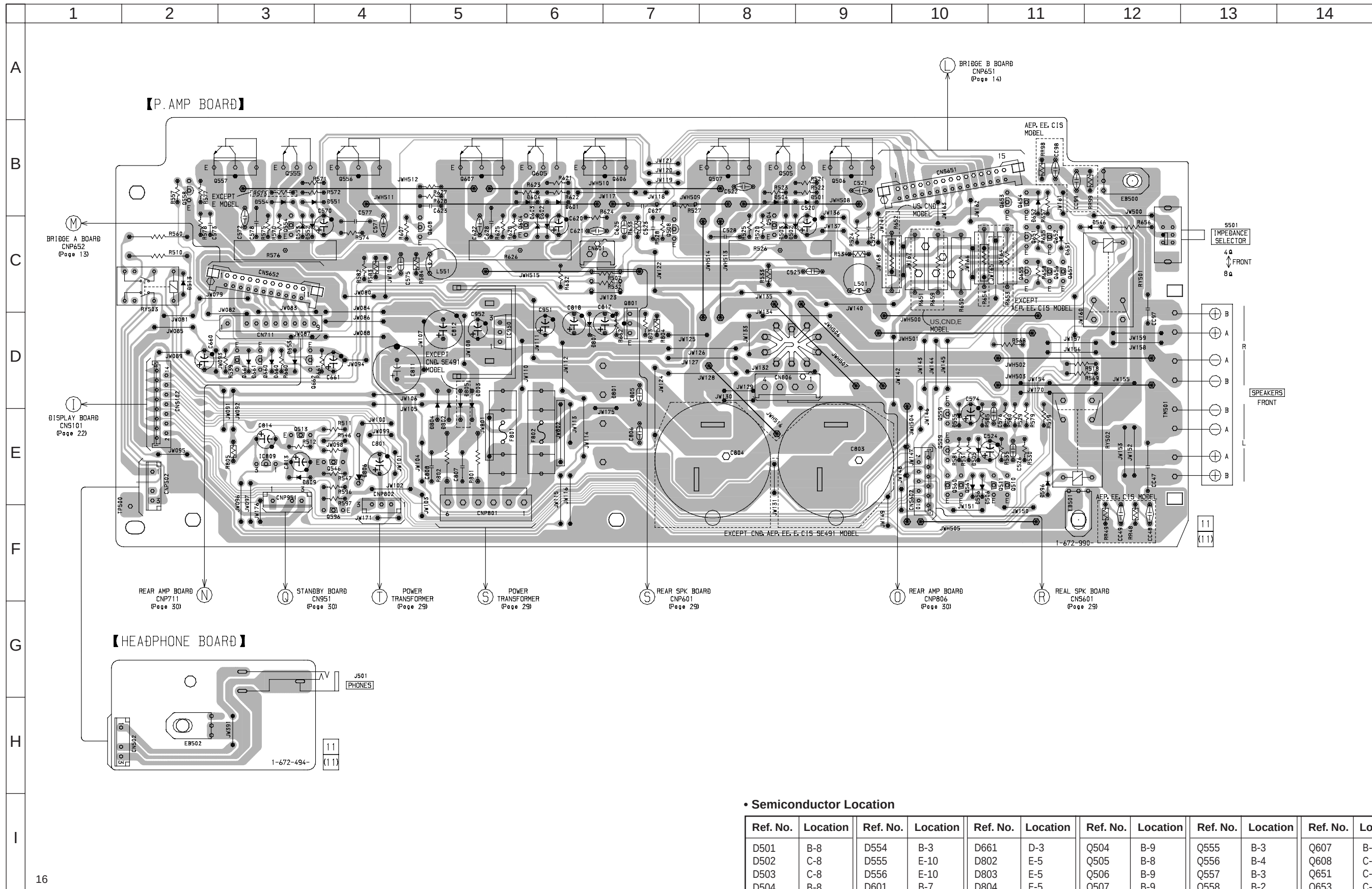
3-12. SCHEMATIC DIAGRAM — REAR AMP SECTION —



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

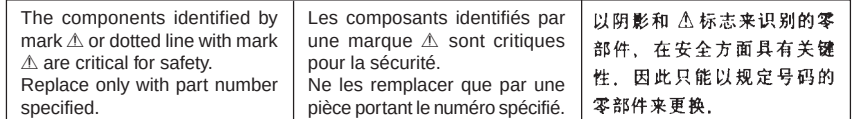
Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

以阴影和 Δ 标志来识别的零部件，在安全方面具有关键性。因此只能以规定号码的零部件来更换。



• Semiconductor Location

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D501	B-8	D554	B-3	D661	D-3	Q504	B-9	Q555	B-3	Q607	B-5
D502	C-8	D555	E-10	D802	E-5	Q505	B-8	Q556	B-4	Q608	C-5
D503	C-8	D556	E-10	D803	E-5	Q506	B-9	Q557	B-3	Q651	C-11
D504	B-8	D601	B-7	D804	E-5	Q507	B-9	Q558	B-2	Q653	C-11
D505	E-10	D602	B-6	D805	E-5	Q508	C-8	Q559	E-10	Q655	C-11
D506	E-10	D603	B-6	D806	E-4	Q509	E-11	Q560	E-10	Q656	C-11
D513	C-2	D604	B-6	D807	D-7	Q510	E-12	Q561	E-10	Q657	C-11
D546	B-12	D651	C-11	D809	E-3	Q511	E-12	Q596	F-4	Q660	D-3
D551	B-2	D652	B-12			Q513	E-3	Q604	C-6	Q661	D-3
D552	C-2	D653	D-3	IC809	E-3	Q546	E-4	Q605	B-6	Q662	D-4
D553	C-4	D660	D-3	IC950	D-6	Q554	C-3	Q606	B-7	Q801	D-7



3-15. IC PIN FUNCTION DESCRIPTION

• IC100 uPD780208GF-032-3BA/M62438FP-600D SYSTEM CONTROL (DISPLAY BOARD)

Pin No.	Pin Name	I/O	Description
1	VDD.+5V	—	Power Supply (+5 V).
2	S1	O	Video IC S1.
3	S2	O	Video IC S2.
4	V.MUTE	O	Video IC MUTE.
5	INITIALIZE	O	Reset.
6	VIR CNTL	O	VIR Control.
7	GND	—	Not used (ground).
8	AC.MUTE	O	A-class mute.
9	D.LATCH	O	Dolby latch.
10	RESET	I	System reset.
11, 12	X2, X1	—	System clock X101(5.0 MHz).
13	VSS. GND	—	VSS (0 V).
14	N.C.	—	Open.
15	RDS.DAT.IN	I	RDS data input.
16	VDD.+5v	—	Power Supply (+5 V).
17	T.LATCH	O	Tone latch.
18	S.CLOCK	O	Serial clock.
19	S.DATA	O	Serial data.
20	S.LATCH	O	Serial latch.
21	AUTO.STOP	I	Auto stop detect input.
22	TUNER.MUTE	O	Tuner mute.
23	STEREO	I	Stereo.
24	IF.DATA.IN	I	IF. Data input.
25	GND.A/D	—	A/D ground (0 V).
26	SIRCS	I	SIRCS input.
27	CTRLA1LAT	O	Control A1 Latch.
28	SIGNAL	I	Signal.
29	VERSION	I	Version.
30 to 33	KEY4 to 1	I	Key A/D 4 to 1
34	VDD.A/D.+5V	—	A/D power supply (+5 V).
35	VREF.A/D.+5V	—	A/D reference voltage (+5 V).
36	CTRL-A1.OUT	O	Control-A1 out.
37	CTRL-A1.IN	I	Control-A1 in.
38	RDS.CLK.IN	I	RDS clock in.
39	STOP	I	STOP.
40	VSS.GND	—	Ground.
41	DIRECT.PASS	O	Direct pass.
42	SUR.RY	O	Surround relay.
43	CENTER.RY	O	Center relay.
44	FRONT.RY	O	Front relay.
45	W.RY	O	Woofer relay.
46	VDD.+5V	—	+5 V.
47	PROTECTOR.IN	I	Protector in.
48	POWER.RY	O	Power relay.
49	BASS.BOOST	O	Bass boost.
50	SP.OFF	I	Speaker off.

Pin No.	Pin Name	I/O	Description
51	VOL –	O	Volume –.
52	VOL +	O	Volume +.
53	GND	—	Not used (ground).
54	S.MUTE	O	S. Mute.
55	SYS. POWER	I	System Power.
56	GND	—	Not used (ground).
57	5.1.INPUT.LED	O	5.1/DVD input LED drive.
58	SET UP LED	O	Set up LED drive.
59	MUTING.LED	O	Muting LED drive.
60	TONE.LED	O	TUNE LED drive.
61	SURR.LED	O	Surround LED drive.
62	NAME.LED	O	NAME LED drive.
63	PHONO.LED	O	PHONO LED drive.
64	TUNER.LED	O	TUNER LED drive.
65	CD.LED	O	CD LED drive.
66	MD/TAPE.LED	O	MD/TAPE LED drive.
67	TV/DBS.LED	O	TV/DBS LED drive.
68	VIDEO.LED	O	VIDEO LED drive.
69	BASS/TREBLE LED	O	BASS/TREBLE LED drive.
70	B.BOOST.LED	O	B. BOOST LED drive.
71 to 78	P1 to P8	O	Key Out 1 to 8 Fluorescent indicator tube drive.
79	VLOAD	—	Vee (–30V).
80 to 88	P9 to P17	O	Key Out 9 to 17 Fluorescent indicator tube drive.
89 to 100	G12 to G1	O	Fluorescent indicator tube drive.

The diagram illustrates the internal architecture of the AD9548 clock divider, showing the flow of signals from input to output through various processing blocks. The 48 pins are numbered 1 through 48, with pins 1-17 on the bottom and 25-48 on the top. Key functional blocks include:

- Input/Output Buffers and Drivers:** NS-BPF1, NS-BPF2, VREF, S-DCUT, C-DCUT, L-DCUT, R-DCUT, REF-BUF, L-IN, R-IN, GND, CT-OUT1, CT-IN1, FCC-IN1, L-BRF1, L-BRF2, L-BRF3, DCUT, DCUT, DCUT, R-RCT, VCR-TH, VCR1, VCR2.
- Control and Configuration:** OSC, DEC, N-GEN, DIV, N-BPF, BAL-DET, N-OH, BALCONT, C-TRIM, CMODE, SMUTE, COMB-NET, VCRX8, VR, VR.
- Processing and Filtering:** R-B.P.F., L-B.P.F., L+R-RECT, L-R-RECT, R-RECT, L-RECT, VCS-LOG, VLR-LOG, DUAL-TIME, P.S.
- Internal Signals and Connections:** FCC-IN2, CM-CAP, VCC, L-OUT, R-OUT, S-OUT, C-OUT, MIXOUT, CT-IN2, CT-OUT2, R-BPF1, R-BPF2, R-BPF3, DCUT, DCUT, L-R-RCT, L+R-RCT, VCS-TH, VCS1, VCS2.

SECTION 4 EXPLODED VIEWS

NOTE:

- XX, -X mean standardized parts, so they may have some differences from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Color Indication of Appearance Parts Example:
KNOB, BALANCE (WHITE) ... (RED)

Parts of Color Cabinet's Color

- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.

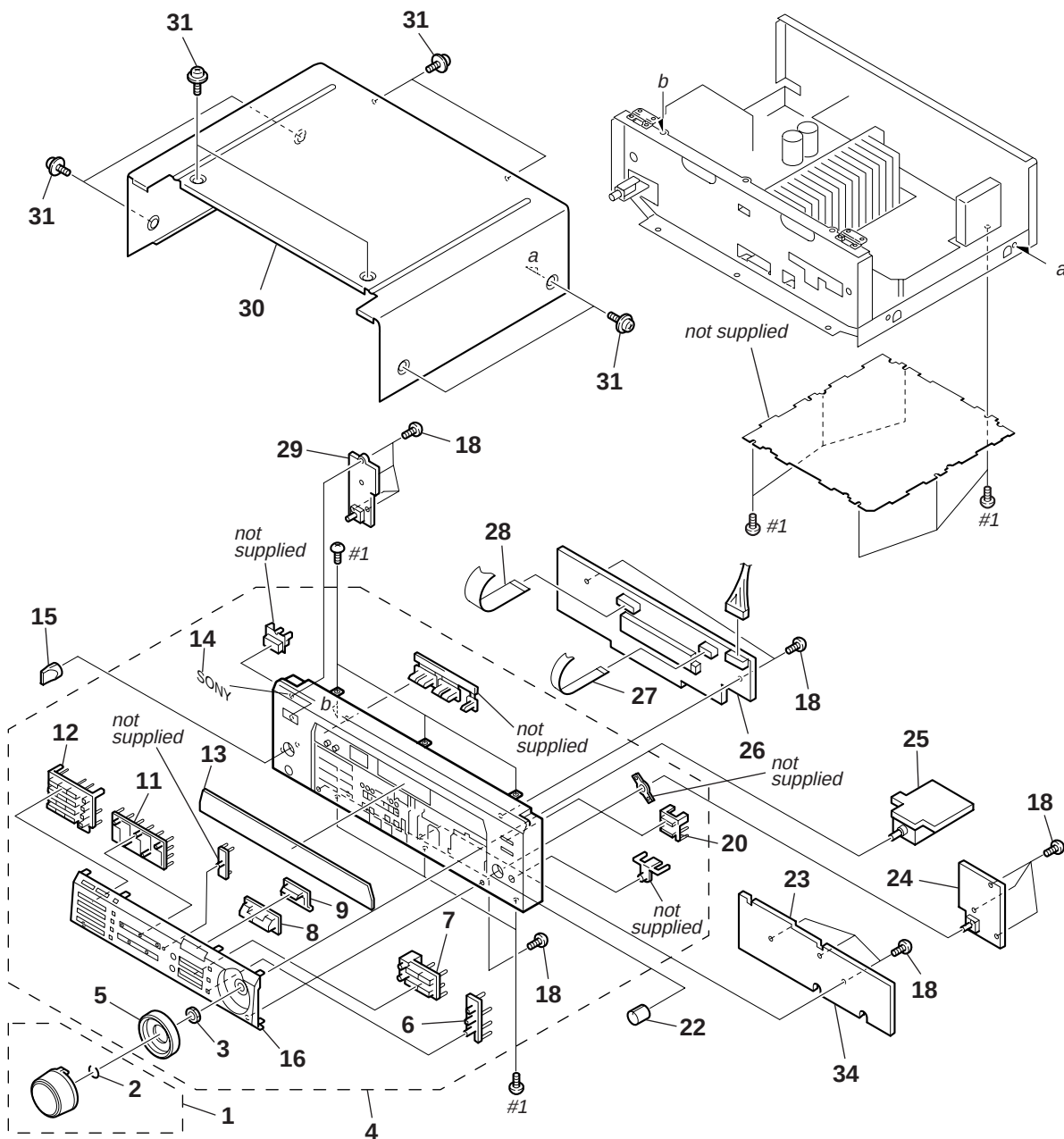
以阴影和△标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

- Abbreviation
CND : Canadian SP : Singapore
AUS : Australian EA : Saudi Arabia
CH : Chinese EE : East European
MY : Malaysia

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

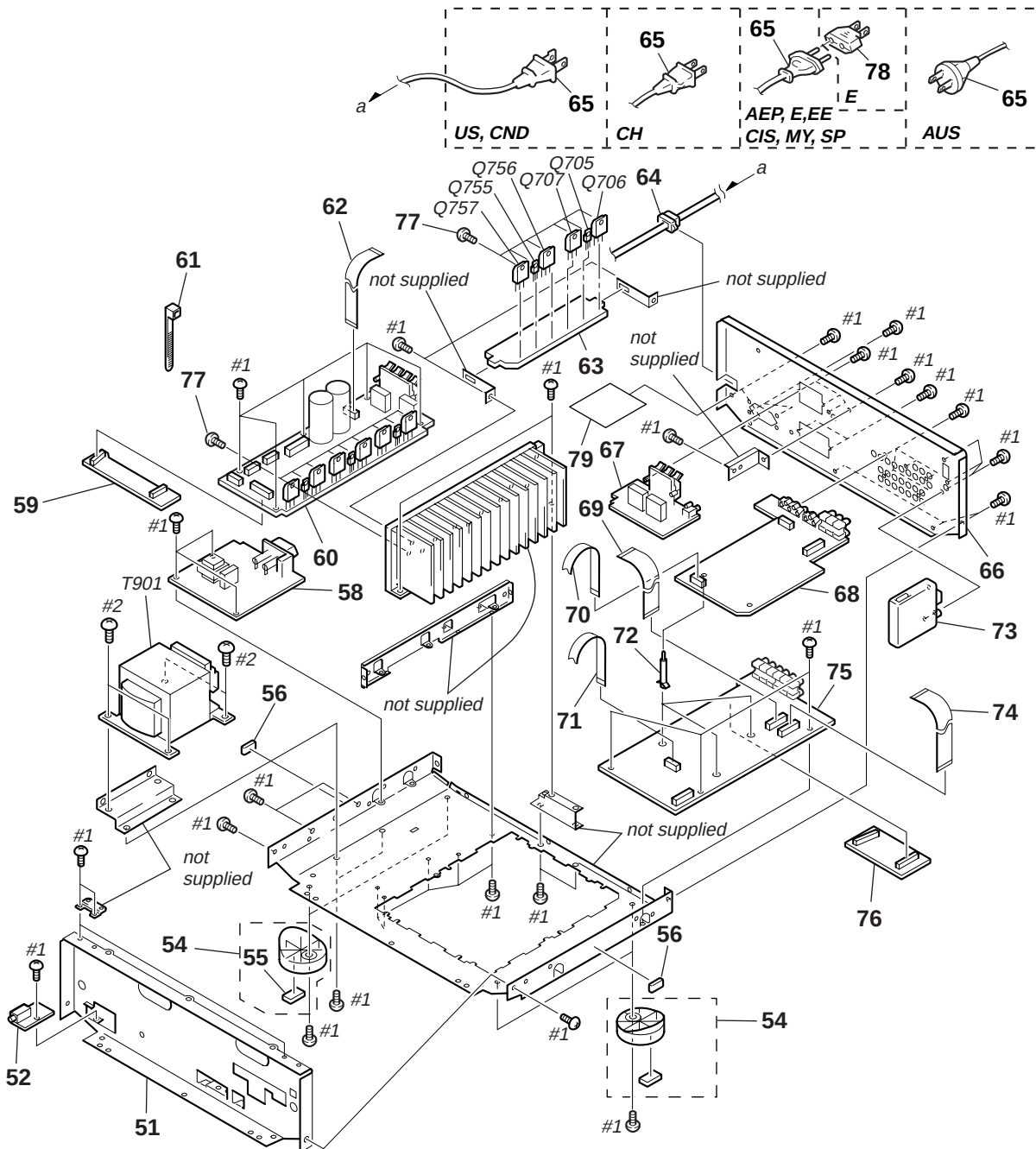
Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

4-1. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
1	X-4951-035-1	KNOB (VOL) ASSY (BLACK) (EXCEPT V525)		16	4-216-923-01	ESCUTCHEON (US,CND,AUS)	
1	X-4951-269-1	KNOB (VOL) ASSY (V525)		16	4-216-923-11	ESCUTCHEON (DE535:E,MY,SP)	
1	X-4951-435-1	KNOB (VOL) ASSY (SILVER) (DE435:AEP)		16	4-216-923-31	ESCUTCHEON (DE435:MY,SP/V424)	
2	3-350-426-01	SPRING, RING		16	4-216-923-41	ESCUTCHEON (BLACK) (DE435:AEP,EE,CIS)	
3	4-216-792-01	RING (VOL) (EXCEPT V525)		16	4-216-923-51	ESCUTCHEON (V525)	
3	4-216-792-11	RING (VOL) (V525)		16	4-216-923-61	ESCUTCHEON (SILVER) (DE435:AEP)	
3	4-216-792-21	RING (VOL) (SILVER) (DE435:AEP)		18	4-951-620-01	SCREW (2.6 × 8), +BVTP	
4	X-4951-061-1	FRONT PANEL ASSY (DE535:US,CND,AUS)		20	4-216-922-01	BUTTON (EQ)	
4	X-4951-084-1	FRONT PANEL ASSY (DE435:US,CND,AUS)		22	4-998-717-01	KNOB (BAL) (BLACK) (EXCEPT V525)	
4	X-4951-085-1	FRONT PANEL ASSY (DE535:E,MY,SP)		22	4-998-717-12	KNOB (BAL) (V525)	
4	X-4951-086-1	FRONT PANEL ASSY (DE435:MY,SP)		22	4-998-717-31	KNOB (BAL) (SILVER) (DE435:AEP)	
4	X-4951-087-1	FRONT PANEL ASSY (BLACK) (DE435:AEP,EE,CIS)		23	A-4419-078-A	KEY BOARD, COMPLETE (DE535/SE491/V525)	
4	X-4951-088-1	FRONT PANEL ASSY (SE491)		23	A-4419-219-A	KEY BOARD, COMPLETE (DE435:US,CND,MY,SP,AUS/V424)	
4	X-4951-128-1	FRONT PANEL ASSY (V525)		23	A-4419-231-A	KEY BOARD, COMPLETE (DE435:AEP,EE,CIS)	
4	X-4951-129-1	FRONT PANEL ASSY (V424)		24	1-673-002-11	BALANCE BOARD	
4	X-4951-434-1	FRONT PANEL ASSY (SILVER) (DE435:AEP)		25	A-4419-075-A	VOL BOARD, COMPLETE	
5	4-216-392-01	RING(VOL)		26	A-4419-073-A	DISPLAY BOARD, COMPLETE (DE535:US,CND)	
6	4-216-787-01	BUTTON (SET UP) (BLACK) (DE435:US,CND,AEP,EE,CIS,MY,SP,AUS/DE535/SE491/V424)		26	A-4419-201-A	DISPLAY BOARD, COMPLETE (SE491)	
6	4-216-787-11	BUTTON (SET UP) (V525)		26	A-4419-206-A	DISPLAY BOARD, COMPLETE (DE535:AUS)	
6	4-216-787-31	BUTTON (SET UP) (SILVER) (DE435:AEP)		26	A-4419-210-A	DISPLAY BOARD, COMPLETE (DE535:MY,SP)	
7	4-216-921-01	BUTTON (MENU) (BLACK) (DE435:US,CND,AEP,EE,CIS,MY,SP,AUS/DE535/SE491/V424)		26	A-4419-213-A	DISPLAY BOARD, COMPLETE (DE535:E)	
7	4-216-921-21	BUTTON (MENU) (SILVER) (DE435:AEP)		26	A-4419-217-A	DISPLAY BOARD, COMPLETE (DE435:US,CND)	
8	4-216-384-01	BUTTON (MODE)		26	A-4419-223-A	DISPLAY BOARD, COMPLETE (DE435:AUS)	
9	4-216-983-01	BUTTON (ON/OFF)		26	A-4419-225-A	DISPLAY BOARD, COMPLETE (DE435:MY,SP/V424)	
11	4-216-784-01	BUTTON (MODE) (BLACK) (DE435:US,CND,AEP,EE,CIS,MY,SP,AUS/DE535/SE491/V424)		26	A-4419-228-A	DISPLAY BOARD, COMPLETE (DE435:AEP)	
11	4-216-784-11	BUTTON (MODE) (V525)		26	A-4419-236-A	DISPLAY BOARD, COMPLETE (DE435:EE,CIS)	
11	4-216-784-21	BUTTON (MODE) (SILVER) (DE435:AEP)		* 26	A-4419-605-A	DISPLAY BOARD, COMPLETE (V525)	
12	4-216-779-01	BUTTON (KEY) (BLACK) (DE435:US,CND,AEP,EE,CIS,MY,SP,AUS/DE535/SE491/V424)		27	1-769-991-11	WIRE (FLAT TYPE) (13 CORE) (DE435,V424,SE491)	
12	4-216-779-11	BUTTON (KEY) (V525)		* 27	1-773-024-11	WIRE (FLAT TYPE) (15 CORE) (DE535,V525)	
12	4-216-779-21	BUTTON (KEY) (SILVER) (DE435:AEP)		28	1-773-012-11	WIRE (FLAT TYPE) (15 CORE)	
13	4-216-924-01	INDICATION PLATE		29	1-672-997-11	SPK SELECT BOARD	
14	4-996-698-01	EMBLEM, SONY (EXCEPT V525)		* 30	4-982-682-01	CASE (414532) (DE435:US,CND,AUS/DE535:US,CND,E,AUS/SE491/V424)	
14	4-996-698-11	EMBLEM, SONY (V525)		30	X-4947-722-1	CASE ASSY (BLACK) (AEP,MY,SP,EE,CIS)	
15	4-957-383-01	KNOB (F14) (BLACK) (D435:US,CND,AEP,EE,CIS,MY,SP,AUS/DE535/SE491/V424)		30	X-4947-723-1	CASE ASSY (V525)	
15	4-957-383-21	KNOB (F14) (V525)		30	X-4951-513-1	CASE ASSY (SILVER) (AEP)	
15	4-957-383-51	KNOB (F14) (SILVER) (DE435:AEP)		31	4-210-291-01	SCREW (BLACK) (CASE 3 TP2) (DE435:US,CND,AEP,EE,CIS,MY,SP,AUS/DE535/SE491/V424)	
				31	4-210-291-11	SCREW (CASE 3 TP2) (SILVER) (DE435:AEP/V525)	
				34	1-673-002-11	BALANCE BOARD	

4-2. CHASSIS SECTION



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
51	4-216-926-01	SUB-CHASSIS		67	A-4419-218-A	REAR SPK BOARD, COMPLET	(DE435:US,CND/SE491)
52	1-672-994-11	HEADPHONE BOARD		67	A-4419-224-A	REAR SPK BOARD, COMPLET	(DE435:MY,SP,AUS/V424)
54	X-4947-124-1	FOOT ASSY (F50150S) (SILVER) (DE435:AEP)		67	A-4419-230-A	REAR SPK BOARD, COMPLET	(DE435:AEP,EE,CIS)
54	X-4947-207-1	FOOT ASSY (F50150S) (BLACK)		68	A-4419-083-A	SURR BOARD, COMPLETE (DE535/V525)	
54	X-4947-208-1	FOOT ASSY (F50150S)	(D435:US,CND/DE535:US,CND/SE491)	68	A-4419-203-A	SURR BOARD, COMPLETE (SE491)	
54	X-4947-547-1	FOOT ASSY (F50150S) (V525)		68	A-4419-221-A	SURR BOARD, COMPLETE	(DE435:US,CND,MY,SP,AUS/V424)
56	4-985-642-01	CUSHION		68	A-4419-234-A	SURR BOARD, COMPLETE (DE435:AEP,EE,CIS)	
58	1-672-995-11	STANDBY BOARD		69	1-773-008-11	WIRE (FLAT TYPE) (15 CORE)	
59	1-672-991-11	BRIDGE-A BOARD		70	1-769-942-11	WIRE (FLAT TYPE) (11 CORE)	
60	A-4419-080-A	P.AMP BOARD, COMPLETE	(DE435:US/DE535:US)	71	1-769-909-11	WIRE (FLAT TYPE) (9 CORE)	
60	A-4419-205-A	P.AMP BOARD, COMPLETE	(DE435:CND/DE535:CND/SE491)	72	4-924-098-91	HOLDER, PC BOARD	
60	A-4419-208-A	P.AMP BOARD, COMPLETE	(DE435:MY,SP,AUS/DE535:MY,SP,AUS/V424/V525)	73	1-693-407-62	TUNER	(DE435:US,CND/DE535:US,CND,E/SE491)
60	A-4419-214-A	P.AMP BOARD, COMPLETE (DE535:E)		73	1-693-408-41	TUNER	(DE435:AEP,MY,SP,AUS/DE535:MY,SP,AUS/V424/V525)
60	A-4419-233-A	P.AMP BOARD, COMPLETE (DE435:AEP,EE,CIS)		73	1-693-411-43	TUNER (DE435:EE,CIS)	
* 61	3-655-653-21	BAND (TAITON), BINDING		74	1-773-004-11	WIRE (FLAT TYPE) (15 CORE)	
62	1-769-937-11	WIRE (FLAT TYPE) (11 CORE)		75	A-4419-079-A	INPUT BOARD, COMPLETE	(DE535/SE491/V525)
63	A-4419-074-A	REAR AMP BOARD, COMPLET	(EXCEPT AEP,EE,CIS)	75	A-4419-220-A	INPUT BOARD, COMPLETE	(DE435:US,CND,MY,SP,AUS/V424)
63	A-4419-229-A	REAR AMP BOARD, COMPLET (AEP,EE,CIS)		75	A-4419-232-A	INPUT BOARD, COMPLETE (DE435:AEP,EE,CIS)	
* 64	3-703-244-00	BUSHING (2104), CORD		76	1-672-992-11	BRIDGE-B BOARD	
△ 65	1-696-847-11	CORD, POWER (DE435:AUS/DE535:AUS)		77	3-905-609-01	SCREW (TRANSISTOR)	
△ 65	1-777-070-21	CORD, POWER (DE435:CND/DE535:CND)		△ 78	1-569-008-21	ADAPTOR, CONVERSION 2P (DE535: E)	
△ 65	1-777-071-21	CORD, POWER	(DE435:AEP,EE,CIS,MY,SP/DE535:E,MY,SP)	79	1-672-996-11	VOLTAGE SELECTOR BOARD (DE535:E)	
△ 65	1-783-205-11	CORD, POWER (V424/V525)		Q705	8-729-209-15	TRANSISTOR 2SD2012	
△ 65	1-783-820-11	CORD, POWER (DE435:US/DE535:US/SE491)		Q706	8-749-010-25	IC MN2488-OPY-M	
66	4-216-927-01	BACK PANEL (DE535:US)		Q707	8-749-010-26	IC MP1620-OPY-M	
66	4-216-927-11	BACK PANEL (DE535:CND)		Q755	8-729-209-15	TRANSISTOR 2SD2012	
66	4-216-927-21	BACK PANEL (DE535:AUS)		Q756	8-749-010-25	IC MN2488-OPY-M	
66	4-216-927-31	BACK PANEL (DE535:E)		Q757	8-749-010-26	IC MP1620-OPY-M	
66	4-216-927-41	BACK PANEL (DE535:MY,SP)		△ T901	1-433-679-11	TRANSFORMER, POWER	(DE435:CND/DE535:CND)
66	4-216-927-51	BACK PANEL (V525)		△ T901	1-433-680-11	TRANSFORMER, POWER	(DE435:US/DE535:US)
66	4-217-181-01	BACK PANEL (DE435:US)		△ T901	1-433-680-21	TRANSFORMER, POWER (SE491)	
66	4-217-181-11	BACK PANEL (DE435:CND)		△ T901	1-433-681-11	TRANSFORMER, POWER (DE435:AEP,EE,CIS)	
66	4-217-181-21	BACK PANEL (DE435:AUS)		△ T901	1-433-682-11	TRANSFORMER, POWER	(DE435:AUS/DE535:AUS)
66	4-217-181-31	BACK PANEL (DE435:MY,SP)		△ T901	1-433-683-11	TRANSFORMER, POWER	(DE435:MY,SP/DE535:MY,SP/V424/V525)
66	4-217-181-41	BACK PANEL (V424)		△ T901	1-433-684-11	TRANSFORMER, POWER (DE535:E)	
66	4-217-181-51	BACK PANEL (DE435:AEP)					
66	4-217-181-61	BACK PANEL (DE435:EE,CIS)					
66	4-217-181-71	BACK PANEL (SE491)					
67	A-4419-076-A	REAR SPK BOARD, COMPLET	(DE535:US,CND,E)				
67	A-4419-207-A	REAR SPK BOARD, COMPLET	(DE535:MY,SP,AUS/V525)				

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.

以阴影和 △ 标志来识别的零部件，在安全方面具有关键性。因此只能以规定号码的零部件来更换。

SECTION 5

ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
 - -XX, -X mean standardized parts, so they may have some difference from the original one.
 - Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- CAPACITORS:
uF: μ F
 - RESISTORS
All resistors are in ohms.
METAL: metal-film resistor
METAL OXIDE: Metal Oxide-film resistor
F: nonflammable
 - COILS
uH: μ H
- When indicating parts by reference number, please include the board name.

- SEMICONDUCTORS
In each case, u: μ , for example:
uA...: μ A..., uPA..., μ PA...,
uPB..., μ PB..., uPC..., μ PC...,
uPD..., μ PD...

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.

以阴影和 $\triangle$ 标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

- Abbreviation
- CND : Canadian
AUS : Australian
CH : Chinese
MY : Malaysia

SP : Singapore
EA : Saudi Arabia
EE : East European

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
	1-673-002-11	BALANCE BOARD *****		A-4419-073-A	DISPLAY BOARD, COMPLETE (DE535:US,CND) *****		
		< CONNECTOR >		A-4419-201-A	DISPLAY BOARD, COMPLETE (SE491) *****		
* CNS106	1-695-808-11	CONNECTOR, PC BOARD 8P		A-4419-206-A	DISPLAY BOARD, COMPLETE (DE535:AUS) *****		
CNS401	1-770-398-11	HOUSING, CONNECTOR (PC BOARD) 5P		A-4419-210-A	DISPLAY BOARD, COMPLETE (DE535;MY,SP) *****		
		< DIODE >		A-4419-213-A	DISPLAY BOARD, COMPLETE (DE535;E) *****		
D122	8-719-046-39	DIODE SEL5821A-TP15 (MUTING)		A-4419-217-A	DISPLAY BOARD, COMPLETE (DE435;US,CND) *****		
		< TRANSISTOR >		A-4419-223-A	DISPLAY BOARD, COMPLETE (DE435:AUS) *****		
Q122	8-729-900-36	TRANSISTOR DTC124ES		A-4419-225-A	DISPLAY BOARD, COMPLETE ***** (DE435:MY,SP/V424)		
		< RESISTOR >		A-4419-228-A	DISPLAY BOARD, COMPLETE (AEP) *****		
R152	1-249-411-11	CARBON 330 5% 1/4W		A-4419-236-A	DISPLAY BOARD, COMPLETE (EE,CIS) *****		
R153	1-249-413-11	CARBON 470 5% 1/4W F		* A-4419-605-A	DISPLAY BOARD, COMPLETE (V525) *****		
R185	1-249-412-11	CARBON 390 5% 1/4W F		* 3-386-245-11	HOLDER (FL)		
R186	1-249-412-11	CARBON 390 5% 1/4W F		* 4-921-941-01	CUSHION (FL)		
		< VARIABLE RESISTOR >			< CAPACITOR >		
RV402	1-225-447-11	RES, VAR, CARBON 100K/100K (BALANCE)		C101	1-164-159-11	CERAMIC 0.1uF 50V	
		< SWITCH >		C102	1-164-159-11	CERAMIC 0.1uF 50V	
S106	1-762-196-21	SWITCH, TACT (TONE)		C103	1-164-159-11	CERAMIC 0.1uF 50V	
S111	1-762-196-21	SWITCH, TACT (BASS BOOST)		C104	1-124-465-00	ELECT 0.47uF 20% 50V	
S116	1-762-196-21	SWITCH, TACT (MUTING)		C105	1-164-159-11	CERAMIC 0.1uF 50V	
*****				C106	1-126-163-11	ELECT 4.7uF 20% 50V	
	1-672-991-11	BRIDGE-A BOARD *****		C107	1-124-261-00	ELECT 10uF 20% 50V	
		< CONNECTOR >		C108	1-164-159-11	CERAMIC 0.1uF 50V	
CNP652	1-770-553-11	CONNECTOR, BOARD TO BOARD 11P		C109	1-124-589-11	ELECT 47uF 20% 16V	
CNP654	1-770-553-11	CONNECTOR, BOARD TO BOARD 11P		C111	1-124-589-11	ELECT 47uF 20% 16V	
*****						(EXCEPT DE535:US,CND)	
	1-672-992-11	BRIDGE-B BOARD *****					
		< CONNECTOR >					
CNP651	1-785-820-11	CONNECTOR, BOARD TO BOARD 15P					
CNP653	1-785-820-11	CONNECTOR, BOARD TO BOARD 15P					

Ref. No.	Part No.	Description	Remarks			Ref. No.	Part No.	Description	Remarks		
C112	1-164-159-11	CERAMIC	0.1uF		50V	CC121	1-162-199-31	CERAMIC	10PF	5%	50V
C113	1-124-589-11	ELECT	47uF	20%	16V				(EXCEPT DE435:MY,SP/V424)		
C114	1-164-159-11	CERAMIC	0.1uF		50V	CC122	1-162-199-31	CERAMIC	10PF	5%	50V
C115	1-104-905-11	CAPACITOR	0.22F		5.5V				(EXCEPT DE435:MY,SP/V424)		
C116	1-164-159-11	CERAMIC	0.1uF		50V	CC123	1-162-199-31	CERAMIC	10PF	5%	50V
									(EXCEPT DE435:MY,SP/V424)		
C117	1-164-159-11	CERAMIC	0.1uF		50V	CC124	1-162-199-31	CERAMIC	10PF	5%	50V
C130	1-164-159-11	CERAMIC	0.1uF		50V				(EXCEPT DE435:MY,SP/V424)		
C141	1-164-159-11	CERAMIC	0.1uF		50V	CC125	1-162-199-31	CERAMIC	10PF	5%	50V
C143	1-164-159-11	CERAMIC	0.1uF		50V				(EXCEPT DE435:MY,SP/V424)		
C1001	1-124-261-00	ELECT	10uF	20%	50V						
					(DE535/V525)	CC126	1-162-199-31	CERAMIC	10PF	5%	50V
									(EXCEPT DE435:MY,SP/V424)		
C1002	1-164-159-11	CERAMIC	0.1uF		50V	CC127	1-162-199-31	CERAMIC	10PF	5%	50V
					(DE535/V525)				(EXCEPT DE435:MY,SP/V424)		
C1003	1-164-159-11	CERAMIC	0.1uF		50V	CC128	1-162-199-31	CERAMIC	10PF	5%	50V
					(DE535/V525)				(EXCEPT DE435:MY,SP/V424)		
C1004	1-164-360-11	CERAMIC	0.01uF	20%	16V	CC129	1-162-199-31	CERAMIC	10PF	5%	50V
					(DE535/V525)				(EXCEPT DE435:MY,SP/V424)		
C1005	1-164-360-11	CERAMIC	0.01uF	20%	16V						
					(DE535/V525)						
C1006	1-124-916-11	ELECT	1000uF	20%	6.3V				< CONNECTOR >		
					(DE535/V525)	CNP106	1-779-365-11	CONNECTOR, PC BOARD (PLUG) 8P			
CC101	1-162-199-31	CERAMIC	10PF	5%	50V	CNP107	1-779-365-11	CONNECTOR, PC BOARD (PLUG) 8P			
					(EXCEPT DE435:MY,SP/V424)	CNP109	1-779-366-11	CONNECTOR, BOARD TO BOARD 4P (V525)			
CC102	1-162-199-31	CERAMIC	10PF	5%	50V	CNP110	1-785-821-11	CONNECTOR, BOARD TO BOARD 6P			
					(EXCEPT DE435:MY,SP/V424)	CNP111	1-785-821-11	CONNECTOR, BOARD TO BOARD 6P			(DE435/SE491/V424/DE535)
CC103	1-162-199-31	CERAMIC	10PF	5%	50V						
					(EXCEPT DE435:MY,SP/V424)	CNP111	1-779-366-11	CONNECTOR, BOARD TO BOARD 4P (V525)			
CC104	1-162-199-31	CERAMIC	10PF	5%	50V	CNP112	1-785-821-11	CONNECTOR, BOARD TO BOARD 6P			
					(EXCEPT DE435:MY,SP/V424)	CNS101	1-569-932-11	SOCKET, CONNECTOR 15P			
CC105	1-162-199-31	CERAMIC	10PF	5%	50V	CNS103	1-569-930-11	SOCKET, CONNECTOR 13P			(DE435 EXCEPT US,CND/V424/SE491)
					(EXCEPT DE435:MY,SP/V424)	* CNS103	1-569-932-11	SOCKET, CONNECTOR 15P			(DE435:US,CND/DE535/V525)
CC106	1-162-199-31	CERAMIC	10PF	5%	50V						
					(EXCEPT DE435:MY,SP/V424)	CNS104	1-564-723-11	PIN, CONNECTOR (SMALL TYPE) 7P			(DE535:US,CND DE435:AEP)
CC107	1-162-199-31	CERAMIC	10PF	5%	50V						
					(EXCEPT DE435:MY,SP/V424)	CNS104	1-564-726-11	PIN, CONNECTOR (SMALL TYPE) 10P			(EXCEPT DE535:US,CND DE435:AEP)
CC108	1-162-199-31	CERAMIC	10PF	5%	50V						
					(EXCEPT DE435:MY,SP/V424)	CNS105	1-770-397-11	HOUSING, CONNECTOR (PC BOARD) 4P			
CC109	1-162-199-31	CERAMIC	10PF	5%	50V				< DIODE >		
					(EXCEPT DE435:MY,SP/V424)	D107	8-719-911-19	DIODE 1SS119			
CC110	1-162-199-31	CERAMIC	10PF	5%	50V	D108	8-719-911-19	DIODE 1SS119			
					(EXCEPT DE435:MY,SP/V424)	D110	8-719-911-19	DIODE 1SS119			
CC111	1-162-199-31	CERAMIC	10PF	5%	50V	D111	8-719-911-19	DIODE 1SS119			
					(EXCEPT DE435:MY,SP/V424)	D112	8-719-911-19	DIODE 1SS119			
CC112	1-162-199-31	CERAMIC	10PF	5%	50V						
					(EXCEPT DE435:MY,SP/V424)	D113	8-719-911-19	DIODE 1SS119			
CC113	1-162-199-31	CERAMIC	10PF	5%	50V	D114	8-719-911-19	DIODE 1SS119			
					(EXCEPT DE435:MY,SP/V424)	D115	8-719-046-39	DIODE SEL5821A-TH15			
CC114	1-162-199-31	CERAMIC	10PF	5%	50V	D116	8-719-046-39	DIODE SEL5821A-TH15			
					(EXCEPT DE435:MY,SP/V424)	D1001	8-719-911-19	DIODE 1SS119 (DE535/V525)			
CC115	1-162-199-31	CERAMIC	10PF	5%	50V						
					(EXCEPT DE435:MY,SP/V424)	D1002	8-719-911-19	DIODE 1SS119 (DE535/V525)			
CC116	1-162-199-31	CERAMIC	10PF	5%	50V	D1003	8-719-059-14	DIODE SID313BP-TP19 (DE535/V525)			
					(EXCEPT DE435:MY,SP/V424)	D1004	8-719-059-14	DIODE SID313BP-TP19 (DE535/V525)			
CC117	1-162-199-31	CERAMIC	10PF	5%	50V	D1005	8-719-059-14	DIODE SID313BP-TP19 (DE535/V525)			
					(EXCEPT DE435:MY,SP/V424)	D1104	8-719-911-19	DIODE 1SS119 (DE535/V525)			
CC118	1-162-199-31	CERAMIC	10PF	5%	50V						
					(EXCEPT DE435:MY,SP/V424)	D1105	8-719-911-19	DIODE 1SS119 (DE535/V525)			
CC119	1-162-199-31	CERAMIC	10PF	5%	50V						
					(EXCEPT DE435:MY,SP/V424)						
CC120	1-162-199-31	CERAMIC	10PF	5%	50V						
					(EXCEPT DE435:MY,SP/V424)						

DISPLAY

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
< FLUORESCENT TUBE >				R106	1-247-807-31	CARBON	100 5% 1/4W
FL101	1-517-770-11	INDICATOR TUBE, FLUORESCENT		R107	1-247-807-31	CARBON	100 5% 1/4W
< IC >				R108	1-247-807-31	CARBON	100 5% 1/4W
IC100	8-759-577-79	IC uPD780208GF-032-3BA (EXCEPT DE535:US,CND)		R109	1-247-807-31	CARBON	100 5% 1/4W
IC100	8-759-577-91	IC M62438FP-600D (DE535:US,CND)		R110	1-247-807-31	CARBON	100 5% 1/4W
IC101	8-759-332-18	IC GP1U27XB		R111	1-247-807-31	CARBON	100 5% 1/4W
IC102	8-759-962-08	IC BA6208		R112	1-247-807-31	CARBON	100 5% 1/4W
IC1001	8-759-545-07	IC TMP87C447U-4A06 (DE535/V525)		R113	1-247-807-31	CARBON	100 5% 1/4W
IC1002	8-759-916-12	IC SN74HC00AN (DE535/V525)		R114	1-247-807-31	CARBON	100 5% 1/4W
< COIL >				R115	1-247-807-31	CARBON	100 5% 1/4W
L101	1-410-509-11	INDUCTOR 10uH		R116	1-247-807-31	CARBON	100 5% 1/4W
L1001	1-408-080-00	INDUCTOR 100uH (DE535/V525)		R117	1-247-807-31	CARBON	100 5% 1/4W
< TRANSISTOR >				R118	1-247-807-31	CARBON	100 5% 1/4W
Q101	8-729-900-36	TRANSISTOR DTC124ES		R119	1-247-807-31	CARBON	100 5% 1/4W
Q102	8-729-900-63	TRANSISTOR DTA124ES		R120	1-247-807-31	CARBON	100 5% 1/4W
Q115	8-729-900-36	TRANSISTOR DTC124ES		R121	1-247-807-31	CARBON	100 5% 1/4W
Q116	8-729-900-36	TRANSISTOR DTC124ES		R122	1-247-807-31	CARBON	100 5% 1/4W
Q1001	8-729-119-78	TRANSISTOR 2SC403SP-51 (DE535/V525)		R123	1-249-429-11	CARBON	10K 5% 1/4W
Q1002	8-729-119-78	TRANSISTOR 2SC403SP-51 (DE535/V525)		R124	1-249-433-11	CARBON	22K 5% 1/4W (DE435:AEP,AUS)
Q1004	8-729-801-93	TRANSISTOR 2SD1387 (DE535/V525)		R124	1-249-435-11	CARBON	33K 5% 1/4W (EE,CIS)
Q1005	8-729-801-93	TRANSISTOR 2SD1387 (DE535/V525)		R124	1-249-427-11	CARBON	6.8K 5% 1/4W F (DE435:MY,SP/V424/DE535:AU)
< RESISTOR >				R124	1-247-843-11	CARBON	3.3K 5% 1/4W (V525/SE491)
R020	1-249-421-11	CARBON	2.2K 5% 1/4W F	R124	1-249-431-11	CARBON	15K 5% 1/4W (DE535:US,CND)
R021	1-249-421-11	CARBON	2.2K 5% 1/4W F	R124	1-249-425-11	CARBON	4.7K 5% 1/4W F (DE535:E)
R022	1-249-433-11	CARBON	22K 5% 1/4W	R124	1-249-429-11	CARBON	10K 5% 1/4W (DE535:MY,SP)
R023	1-249-433-11	CARBON	22K 5% 1/4W (EXCEPT AEP,EE,CIS/SE491)	R125	1-249-421-11	CARBON	2.2K 5% 1/4W F (AEP)
R024	1-249-433-11	CARBON	22K 5% 1/4W (DE435,V424,SE491)	R125	1-249-427-11	CARBON	6.8K 5% 1/4W F (DE535:E EE,CIS/SE491)
R025	1-249-433-11	CARBON	22K 5% 1/4W	R125	1-247-843-11	CARBON	3.3K 5% 1/4W (DE435:MY,SP DE535:MY,SP/V424)
R026	1-249-433-11	CARBON	22K 5% 1/4W (EXCEPT AEP,EE,CIS)	R125	1-249-433-11	CARBON	22K 5% 1/4W (DE435:AUS)
R027	1-249-433-11	CARBON	22K 5% 1/4W (EXCEPT AEP,EE,CIS)	R125	1-249-415-11	CARBON	680 5% 1/4W F (DE535:US,CND)
R028	1-249-433-11	CARBON	22K 5% 1/4W	R125	1-249-425-11	CARBON	4.7K 5% 1/4W F (DE535:AUS)
R029	1-249-433-11	CARBON	22K 5% 1/4W	R125	1-249-429-11	CARBON	10K 5% 1/4W (V525)
R030	1-249-433-11	CARBON	22K 5% 1/4W	R126	1-249-427-11	CARBON	6.8K 5% 1/4W F
△R099	1-249-383-11	CARBON	1.5 5% 1/6W F (EXCEPT US,CND)	R127	1-249-427-11	CARBON	6.8K 5% 1/4W F
△R099	1-249-387-81	CARBON	3.3 5% 1/4W F (US,CND)	R128	1-249-427-11	CARBON	6.8K 5% 1/4W F
△R100	1-249-383-11	CARBON	1.5 5% 1/6W F (EXCEPT US,CND)	R129	1-249-427-11	CARBON	6.8K 5% 1/4W F
△R100	1-249-387-81	CARBON	3.3 5% 1/4W F (US,CND)	R130	1-249-429-11	CARBON	10K 5% 1/4W (DE435/SE491/V424)
R101	1-247-807-31	CARBON	100 5% 1/4W	R131	1-249-425-11	CARBON	4.7K 5% 1/4W F
R102	1-249-417-11	CARBON	1K 5% 1/4W F	R132	1-249-425-11	CARBON	4.7K 5% 1/4W F
R103	1-247-807-31	CARBON	100 5% 1/4W	R133	1-249-425-11	CARBON	4.7K 5% 1/4W F
R104	1-247-807-31	CARBON	100 5% 1/4W	R134	1-249-425-11	CARBON	4.7K 5% 1/4W F
R105	1-249-425-11	CARBON	4.7K 5% 1/4W F	R135	1-249-425-11	CARBON	4.7K 5% 1/4W F
				R136	1-249-433-11	CARBON	22K 5% 1/4W
				R137	1-249-441-11	CARBON	100K 5% 1/4W
				R138	1-249-417-11	CARBON	1K 5% 1/4W F

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

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

以阴影和 △ 标志来识别的零部件，在安全方面具有关键性。因此只能以规定号码的零部件来更换。

DISPLAY

HEADPHONE

INPUT

Ref. No.	Part No.	Description	Remarks
R140	1-249-411-11	CARBON	330 5% 1/4W
R151	1-249-441-11	CARBON	100K 5% 1/4W
R169	1-249-433-11	CARBON	22K 5% 1/4W
R181	1-249-412-11	CARBON	390 5% 1/4W F
R182	1-249-412-11	CARBON	390 5% 1/4W F
R183	1-249-412-11	CARBON	390 5% 1/4W F
R184	1-249-412-11	CARBON	390 5% 1/4W F
R1001	1-249-429-11	CARBON	10K 5% 1/4W
			(DE535/SE491/V525)
R1002	1-249-425-11	CARBON	4.7K 5% 1/4W F
			(DE535/V525)
R1003	1-249-429-11	CARBON	10K 5% 1/4W
			(DE535/SE491/V525)
R1004	1-249-393-11	CARBON	10 5% 1/4W F
			(DE535/V525)
R1005	1-249-429-11	CARBON	10K 5% 1/4W
			(DE535/SE491/V525)
R1006	1-249-425-11	CARBON	4.7K 5% 1/4W F
			(DE535/V525)
R1007	1-249-429-11	CARBON	10K 5% 1/4W
			(DE535/SE491/V525)
R1008	1-249-429-11	CARBON	10K 5% 1/4W
			(DE535/SE491/V525)
R1009	1-249-385-11	CARBON	2.2 5% 1/6W F
			(DE535/V525)
R1010	1-249-385-11	CARBON	2.2 5% 1/6W F
			(DE535/V525)
RR101	1-249-437-11	CARBON	47K 5% 1/4W
RR102	1-249-437-11	CARBON	47K 5% 1/4W
RR103	1-249-437-11	CARBON	47K 5% 1/4W
RR104	1-249-437-11	CARBON	47K 5% 1/4W
RR105	1-249-437-11	CARBON	47K 5% 1/4W
RR106	1-249-437-11	CARBON	47K 5% 1/4W
RR107	1-249-437-11	CARBON	47K 5% 1/4W
RR108	1-249-437-11	CARBON	47K 5% 1/4W
RR109	1-249-437-11	CARBON	47K 5% 1/4W
RR110	1-249-437-11	CARBON	47K 5% 1/4W
RR111	1-249-437-11	CARBON	47K 5% 1/4W
RR112	1-249-437-11	CARBON	47K 5% 1/4W
RR113	1-249-437-11	CARBON	47K 5% 1/4W
RR114	1-249-437-11	CARBON	47K 5% 1/4W
RR115	1-249-437-11	CARBON	47K 5% 1/4W
RR116	1-249-437-11	CARBON	47K 5% 1/4W
RR117	1-249-437-11	CARBON	47K 5% 1/4W
RR118	1-249-437-11	CARBON	47K 5% 1/4W
RR119	1-249-437-11	CARBON	47K 5% 1/4W
RR120	1-249-437-11	CARBON	47K 5% 1/4W
RR121	1-249-437-11	CARBON	47K 5% 1/4W
RR122	1-249-437-11	CARBON	47K 5% 1/4W
RR123	1-249-437-11	CARBON	47K 5% 1/4W
RR124	1-249-437-11	CARBON	47K 5% 1/4W
			(EXCEPT DE535:MY,SP/V525)
RR125	1-249-437-11	CARBON	47K 5% 1/4W
			(EXCEPT DE535:MY,SP/V525)
RR126	1-249-437-11	CARBON	47K 5% 1/4W
RR127	1-249-437-11	CARBON	47K 5% 1/4W
RR128	1-249-437-11	CARBON	47K 5% 1/4W
RR129	1-249-437-11	CARBON	47K 5% 1/4W

Ref. No.	Part No.	Description	Remarks
		< SWITCH >	
S142	1-762-196-21	SWITCH, TACT (EXCEPT DE435:US,CND)	
S142	1-762-875-21	SWITCH, KEYBOARD (DE435:US,CND)	
S148	1-762-196-21	SWITCH, TACT (EXCEPT DE435:US,CND)	
S148	1-762-875-21	SWITCH, KEYBOARD (DE435:US,CND)	
		< VIBRATOR >	
X101	1-760-489-11	VIBRATOR, CERAMIC (5MHz)	
X1000	1-767-938-21	VIBRATOR, CERAMIC (7.28MHZ) (DE535/V525)	

	1-672-994-11	HEADPHONE BOARD	

		< EARTH >	
* EB502	1-537-738-21	TERMINAL, EARTH	
		< JACK >	
J501	1-750-731-11	JACK (LARGE TYPE) (HEADPHONE)(SE491)	
J501	1-750-733-11	JACK (LARGE TYPE) (HEADPHONE)	
		(DE435/V424/DE535)	
J501	1-750-735-11	JACK (LARGE TYPE) (HEADPHONE)(V525)	

	A-4419-079-A	INPUT BOARD, COMPLETE	

		(DE535/SE491/V525)	
	A-4419-220-A	INPUT BOARD, COMPLETE	

		(EXCEPT AEP,EE,CIS/DE535/SE491/V525)	
	A-4419-232-A	INPUT BOARD, COMPLETE (AEP,EE,CIS)	

		< CAPACITOR >	
C201	1-126-961-11	ELECT	2.2uF 20% 50V
			(DE535/SE491/V525)
C202	1-162-282-31	CERAMIC	100PF 10% 50V
			(DE535/SE491/V525)
C203	1-125-896-91	MYLAR	0.0091uF 5% 50V
			(DE535/SE491/V525)
C204	1-136-159-00	FILM	0.033uF 5% 50V
			(DE535/SE491/V525)
C205	1-104-666-11	ELECT	220uF 20% 10V
			(DE535/SE491/V525)
C206	1-126-961-11	ELECT	2.2uF 20% 50V
			(DE535/SE491/V525)
C207	1-164-159-11	CERAMIC	0.1uF 50V
			(DE535/SE491/V525)
C208	1-162-294-31	CERAMIC	0.001uF 10% 50V
			(DE535/SE491/V525)
C209	1-126-965-11	ELECT	22uF 20% 50V
C211	1-104-664-11	ELECT	47uF 20% 16V
C213	1-104-664-11	ELECT	47uF 20% 16V
C214	1-162-294-31	CERAMIC	0.001uF 10% 50V
C215	1-126-965-11	ELECT	22uF 20% 50V
C230	1-164-159-11	CERAMIC	0.1uF 50V
C231	1-164-159-11	CERAMIC	0.1uF 50V

INPUT

Ref. No.	Part No.	Description	Remarks		
C232	1-162-288-31	CERAMIC	330PF	10%	50V (AEP,EE,CIS)
C233	1-102-527-11	CERAMIC	82PF	5%	50V (AEP,EE,CIS)
C234	1-102-852-91	CERAMIC	47PF	5%	50V (AEP,EE,CIS)
C235	1-126-961-11	ELECT	2.2uF	20%	50V (AEP,EE,CIS)
C236	1-164-159-00	CERAMIC	0.1uF	5%	50V (AEP,EE,CIS)
C237	1-162-291-31	CERAMIC	560PF	10%	50V (AEP,EE,CIS)
C238	1-126-964-11	ELECT	10uF	20%	50V (AEP,EE,CIS)
C239	1-164-159-11	CERAMIC	0.1uF		50V
C240	1-164-159-11	CERAMIC	0.1uF		50V
C251	1-126-961-11	ELECT	2.2uF	20%	50V (DE535/SE491/V525)
C252	1-162-282-31	CERAMIC	100PF	10%	50V (DE535/SE491/V525)
C253	1-125-896-91	MYLAR	0.0091uF	5%	50V (DE535/SE491/V525)
C254	1-136-159-00	FILM	0.033uF	5%	50V (DE535/SE491/V525)
C255	1-104-666-11	ELECT	220uF	20%	10V (DE535/SE491/V525)
C256	1-126-961-11	ELECT	2.2uF	20%	50V (DE535/SE491/V525)
C257	1-164-159-11	CERAMIC	0.1uF		50V (DE535/SE491/V525)
C258	1-162-294-31	CERAMIC	0.001uF	10%	50V (DE535/SE491/V525)
C259	1-126-965-11	ELECT	22uF	20%	50V
C265	1-126-965-11	ELECT	22uF	20%	50V
C501	1-126-966-11	ELECT	33uF	20%	50V
C502	1-162-284-31	CERAMIC	150PF	10%	50V
C503	1-107-584-11	CERAMIC	4PF	0.25PF	500V
C504	1-104-666-11	ELECT	220uF	20%	10V
C505	1-102-233-00	CERAMIC	33PF	10%	500V
C506	1-162-282-31	CERAMIC	100PF	10%	50V
C510	1-162-282-31	CERAMIC	100PF	10%	50V
C551	1-126-966-11	ELECT	33uF	20%	50V
C552	1-162-284-31	CERAMIC	150PF	10%	50V
C553	1-107-584-11	CERAMIC	4PF	0.25PF	500V
C554	1-104-666-11	ELECT	220uF	20%	10V
C555	1-102-233-00	CERAMIC	33PF	10%	500V
C556	1-162-282-31	CERAMIC	100PF	10%	50V
C594	1-128-560-11	ELECT	22uF	20%	100V
C595	1-128-560-11	ELECT	22uF	20%	100V
C601	1-126-966-11	ELECT	33uF	20%	50V
C602	1-162-284-31	CERAMIC	150PF	10%	50V
C603	1-107-584-11	CERAMIC	4PF	0.25PF	500V
C604	1-104-666-11	ELECT	220uF	20%	10V
C605	1-102-989-00	CERAMIC	68PF	5%	500V
C606	1-102-989-00	CERAMIC	68PF	5%	500V
C693	1-104-666-11	ELECT	220uF	20%	10V
C701	1-126-966-11	ELECT	33uF	20%	50V
C702	1-162-284-31	CERAMIC	150PF	10%	50V
C703	1-107-584-11	CERAMIC	4PF	0.25PF	500V
C704	1-104-666-11	ELECT	220uF	20%	10V

Ref. No.	Part No.	Description	Remarks		
C705	1-102-233-00	CERAMIC	33PF	10%	500V
C706	1-162-282-31	CERAMIC	100PF	10%	50V
C710	1-162-282-31	CERAMIC	100PF	10%	50V
C751	1-126-966-11	ELECT	33uF	20%	50V
C752	1-162-284-31	CERAMIC	150PF	10%	50V
C753	1-107-584-11	CERAMIC	4PF	0.25PF	500V
C754	1-104-666-11	ELECT	220uF	20%	10V
C755	1-102-233-00	CERAMIC	33PF	10%	500V
C756	1-162-282-31	CERAMIC	100PF	10%	50V
C821	1-126-959-11	ELECT	0.47uF	20%	50V
C823	1-126-959-11	ELECT	0.47uF	20%	50V
C824	1-126-933-11	ELECT	100uF	20%	16V
C825	1-126-933-11	ELECT	100uF	20%	16V
C826	1-126-933-11	ELECT	100uF	20%	16V
C827	1-104-664-11	ELECT	47uF	20%	16V
CC203	1-162-282-31	CERAMIC	100PF	10%	50V (AEP,EE,CIS)
CC204	1-162-282-31	CERAMIC	100PF	10%	50V (AEP,EE,CIS)
CC205	1-162-282-31	CERAMIC	100PF	10%	50V (AEP,EE,CIS)
CC206	1-162-282-31	CERAMIC	100PF	10%	50V (AEP,EE,CIS)
CC207	1-162-282-31	CERAMIC	100PF	10%	50V (AEP,EE,CIS)
CC208	1-162-282-31	CERAMIC	100PF	10%	50V (AEP,EE,CIS)
CC253	1-162-282-31	CERAMIC	100PF	10%	50V (AEP,EE,CIS)
CC254	1-162-282-31	CERAMIC	100PF	10%	50V (AEP,EE,CIS)
CC255	1-162-282-31	CERAMIC	100PF	10%	50V (AEP,EE,CIS)
CC256	1-162-282-31	CERAMIC	100PF	10%	50V (AEP,EE,CIS)
CC257	1-162-282-31	CERAMIC	100PF	10%	50V (AEP,EE,CIS)
CC258	1-162-282-31	CERAMIC	100PF	10%	50V (AEP,EE,CIS)
< CONNECTOR >					
CNP104	1-784-923-11	PIN, CONNECTOR 7P (EXCEPT AEP,EE,CIS)			
CNP104	1-784-925-11	PIN, CONNECTOR 10P (AEP,EE,CIS)			
CNS200	1-569-932-11	SOCKET, CONNECTOR 15P			
CNS230	1-569-932-11	SOCKET, CONNECTOR 15P			
CNS405	1-569-927-11	SOCKET, CONNECTOR 9P			
CNS653	1-785-819-11	HOUSING, CONNECTOR (PC BOARD) 15P			
CNS654	1-770-404-11	HOUSING, CONNECTOR (PC BOARD) 11P			
< IC >					
IC201	8-759-636-74	IC M5218AP-22 (DE535/SE491/V525)			
IC202	8-759-636-74	IC M5218AP-22			
IC203	8-759-636-74	IC M5218AP-22			
IC204	8-759-545-64	IC LC78212			
IC230	8-759-541-48	IC BU1924 (AEP,EE,CIS)			
IC501	8-759-326-52	IC uPC2581V			
IC601	8-749-011-16	IC STK350-230			
IC701	8-759-326-52	IC uPC2581V			
IC801	8-759-604-40	IC M5F78M15			
IC802	8-759-231-58	IC TA7812S			

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
IC803	8-759-604-46	IC M5F79M15		R253	1-249-440-11	CARBON	82K 5% 1/4W (DE535/SE491/V525)
IC804	8-759-604-35	IC M5F78M05L		R254	1-249-408-11	CARBON	180 5% 1/4W F (DE535/SE491/V525)
		< JACK >		R255	1-249-428-11	CARBON	8.2K 5% 1/4W F (DE535/SE491/V525)
J201	1-770-614-11	JACK, PIN 4P (DE535/SE491/V525)		R256	1-249-441-11	CARBON	100K 5% 1/4W (DE535/SE491/V525)
J202	1-691-887-11	JACK, PIN 6P (EXCEPT DE535/SE491/V525)		R257	1-247-807-31	CARBON	100 5% 1/4W (DE535/SE491/V525)
J202	1-770-613-11	JACK, PIN 4P (DE535/SE491/V525)					
J203	1-580-825-11	JACK, PIN 6P		R258	1-249-441-11	CARBON	100K 5% 1/4W (DE535/SE491/V525)
		< TRANSISTOR >		R259	1-249-413-11	CARBON	470 5% 1/4W F (DE535/SE491/V525)
L230	1-408-080-00	INDUCTOR 100uH (AEP,EE,CIS)		R260	1-249-417-11	CARBON	1K 5% 1/4W F
Q691	8-729-900-80	TRANSISTOR DTC114ES		R261	1-249-417-11	CARBON	1K 5% 1/4W F
Q692	8-729-422-57	TRANSISTOR UN4111		R262	1-249-417-11	CARBON	1K 5% 1/4W F
		< RESISTOR >					
R201	1-249-401-11	CARBON	47 5% 1/4W F (DE535/SE491/V525)	R263	1-249-417-11	CARBON	1K 5% 1/4W F
R202	1-249-441-11	CARBON	100K 5% 1/4W (DE535/SE491/V525)	R264	1-249-417-11	CARBON	1K 5% 1/4W F
R203	1-249-440-11	CARBON	82K 5% 1/4W (DE535/SE491/V525)	R265	1-249-417-11	CARBON	1K 5% 1/4W F
R204	1-249-408-11	CARBON	180 5% 1/4W F (DE535/SE491/V525)	R266	1-249-441-11	CARBON	100K 5% 1/4W
R205	1-249-428-11	CARBON	8.2K 5% 1/4W F (DE535/SE491/V525)	R267	1-249-429-11	CARBON	10K 5% 1/4W
R206	1-249-441-11	CARBON	100K 5% 1/4W (DE535/SE491/V525)	R268	1-249-434-11	CARBON	27K 5% 1/4W
R207	1-247-807-31	CARBON	100 5% 1/4W (DE535/SE491/V525)	R277	1-249-429-11	CARBON	10K 5% 1/4W
R208	1-249-441-11	CARBON	100K 5% 1/4W (DE535/SE491/V525)	R295	1-249-429-11	CARBON	10K 5% 1/4W
R209	1-249-413-11	CARBON	470 5% 1/4W F (DE535/SE491/V525)	R501	1-249-417-11	CARBON	1K 5% 1/4W F
R210	1-249-417-11	CARBON	1K 5% 1/4W F	R502	1-249-439-11	CARBON	68K 5% 1/4W
R211	1-249-417-11	CARBON	1K 5% 1/4W F	R503	1-249-439-11	CARBON	68K 5% 1/4W
R212	1-249-417-11	CARBON	1K 5% 1/4W F	R504	1-249-420-11	CARBON	1.8K 5% 1/4W F (AEP,EE,CIS)
R213	1-249-417-11	CARBON	1K 5% 1/4W F	R504	1-249-418-11	CARBON	1.2K 5% 1/4W F (EXCEPT AEP,EE,CIS)
R214	1-249-417-11	CARBON	1K 5% 1/4W F	R551	1-249-417-11	CARBON	1K 5% 1/4W F
R215	1-249-417-11	CARBON	1K 5% 1/4W F	R552	1-249-439-11	CARBON	68K 5% 1/4W
R216	1-249-441-11	CARBON	100K 5% 1/4W	R553	1-249-439-11	CARBON	68K 5% 1/4W
R217	1-249-429-11	CARBON	10K 5% 1/4W	R554	1-249-420-11	CARBON	1.8K 5% 1/4W F (AEP,EE,CIS)
R218	1-249-434-11	CARBON	27K 5% 1/4W	R554	1-249-418-11	CARBON	1.2K 5% 1/4W F (EXCEPT AEP,EE,CIS)
R227	1-249-429-11	CARBON	10K 5% 1/4W	R590	1-249-433-11	CARBON	22K 5% 1/4W
R228	1-247-807-31	CARBON	100 5% 1/4W	R592	1-249-381-11	CARBON	1 5% 1/4W F
R229	1-247-807-31	CARBON	100 5% 1/4W	R593	1-249-381-11	CARBON	1 5% 1/4W F
R230	1-249-425-11	CARBON	4.7K 5% 1/4W F	R601	1-249-417-11	CARBON	1K 5% 1/4W F
R231	1-249-436-11	CARBON	39K 5% 1/4W	R602	1-249-439-11	CARBON	68K 5% 1/4W
R232	1-247-807-31	CARBON	100 5% 1/4W (AEP,EE,CIS)	R603	1-249-439-11	CARBON	68K 5% 1/4W
R233	1-247-807-31	CARBON	100 5% 1/4W (AEP,EE,CIS)	R604	1-249-411-11	CARBON	330 5% 1/4W (EXCEPT AEP,EE,CIS)
R234	1-249-421-11	CARBON	2.2K 5% 1/4W F (AEP,EE,CIS)	R604	1-249-442-11	CARBON	510 5% 1/4W (AEP,EE,CIS)
R235	1-249-436-11	CARBON	39K 5% 1/4W	R606	1-249-413-11	CARBON	470 5% 1/4W F
R245	1-249-429-11	CARBON	10K 5% 1/4W	R693	1-249-437-11	CARBON	47K 5% 1/4W
R251	1-249-401-11	CARBON	47 5% 1/4W F (DE535/SE491/V525)	R694	1-249-425-11	CARBON	4.7K 5% 1/4W F
R252	1-249-441-11	CARBON	100K 5% 1/4W (DE535/SE491/V525)	R701	1-249-417-11	CARBON	1K 5% 1/4W F
				R702	1-249-439-11	CARBON	68K 5% 1/4W
				R703	1-249-439-11	CARBON	68K 5% 1/4W
				R704	1-249-411-11	CARBON	330 5% 1/4W (EXCEPT AEP,EE,CIS)
				R704	1-249-442-11	CARBON	510 5% 1/4W (AEP,EE,CIS)
				R751	1-249-417-11	CARBON	1K 5% 1/4W F

INPUT

KEY

Ref. No.	Part No.	Description			Remarks
R752	1-249-439-11	CARBON	68K	5%	1/4W
R753	1-249-439-11	CARBON	68K	5%	1/4W
R754	1-249-411-11	CARBON	330	5%	1/4W
					(EXCEPT AEP,EE,CIS)
R754	1-249-442-11	CARBON	510	5%	1/4W
					(AEP,EE,CIS)
R790	1-249-433-11	CARBON	22K	5%	1/4W
< VIBRATOR >					
X230	1-579-900-21	VIBRATOR, CRYSTAL 4.332MHz(AEP,EE,CIS)			

A-4419-078-A	KEY BOARD, COMPLETE (DE535/SE491/V525)				

A-4419-219-A	KEY BOARD, COMPLETE				

(EXCEPT AEP,EE,CIS/DE535/SE491/V525)					
A-4419-231-A	KEY BOARD, COMPLETE (AEP,EE,CIS)				

< CONNECTOR >					
CNS110	1-770-399-11	HOUSING, CONNECTOR (PC BOARD) 6P			
CNS111	1-770-399-11	HOUSING, CONNECTOR (PC BOARD) 6P			
CNS112	1-770-399-11	HOUSING, CONNECTOR (PC BOARD) 6P			
< DIODE >					
D119	8-719-046-39	DIODE SEL5821A-TP15 (DE535/SE491/V525)			
		(TUNER)			
D120	8-719-046-39	DIODE SEL5821A-TP15 (TUNER)			
D123	8-719-046-39	DIODE SEL5821A-TP15 (DE535/SE491/V525)			
		(CD)			
D124	8-719-046-39	DIODE SEL5821A-TP15 (CD)			
D125	8-719-046-39	DIODE SEL5821A-TP15 (SET UP)			
D126	8-719-046-39	DIODE SEL5821A-TP15 (PHONO)			
		(DE535/SE491/V525)			
D127	8-719-046-39	DIODE SEL5821A-TP15 (NAME)			
D128	8-719-046-39	DIODE SEL5821A-TP15 (MD/TAPE)			
D129	8-719-046-39	DIODE SEL5821A-TP15 (BASS/TREBLE)			
D130	8-719-046-39	DIODE SEL5821A-TP15 (TU/LD)			
D131	8-719-046-39	DIODE SEL5821A-TP15 (SUR)			
D132	8-719-046-39	DIODE SEL5821A-TP15 (VIDEO)			
D133	8-719-046-39	DIODE SEL5821A-TP15 (5.1CH/DVD)			
< TRANSISTOR >					
Q122	8-729-900-36	TRANSISTOR DTC124ES			
Q124	8-729-900-36	TRANSISTOR DTC124ES			
Q125	8-729-900-36	TRANSISTOR DTC124ES			
Q126	8-729-900-36	TRANSISTOR DTC124ES (DE535/SE491/V525)			
Q127	8-729-900-36	TRANSISTOR DTC124ES			
Q128	8-729-900-36	TRANSISTOR DTC124ES			
Q129	8-729-900-36	TRANSISTOR DTC124ES			
Q130	8-729-900-36	TRANSISTOR DTC124ES			
Q131	8-729-900-36	TRANSISTOR DTC124ES			
Q132	8-729-900-36	TRANSISTOR DTC124ES			
Q133	8-729-900-36	TRANSISTOR DTC124ES			

Ref. No.	Part No.	Description	Remarks
< RESISTOR >			
R141	1-249-411-11	CARBON 330 5% 1/4W	
R142	1-249-413-11	CARBON 470 5% 1/4W	F
R143	1-249-415-11	CARBON 680 5% 1/4W	F
R144	1-249-417-11	CARBON 1K 5% 1/4W	F
R145	1-249-419-11	CARBON 1.5K 5% 1/4W	F
R146	1-249-421-11	CARBON 2.2K 5% 1/4W	F
R147	1-247-843-11	CARBON 3.3K 5% 1/4W	
R148	1-249-425-11	CARBON 4.7K 5% 1/4W	F
R149	1-249-429-11	CARBON 10K 5% 1/4W	
R150	1-249-433-11	CARBON 22K 5% 1/4W	
R154	1-249-415-11	CARBON 680 5% 1/4W	F
R155	1-247-843-11	CARBON 1K 5% 1/4W	F
R156	1-249-419-11	CARBON 1.5K 5% 1/4W	F
R157	1-249-421-11	CARBON 2.2K 5% 1/4W	F
R158	1-247-843-11	CARBON 3.3K 5% 1/4W	
R159	1-249-425-11	CARBON 4.7K 5% 1/4W	F
R160	1-249-429-11	CARBON 10K 5% 1/4W	
R161	1-249-433-11	CARBON 22K 5% 1/4W	
R162	1-249-413-11	CARBON 470 5% 1/4W	F
R163	1-249-415-11	CARBON 680 5% 1/4W	F
R164	1-249-417-11	CARBON 1K 5% 1/4W	F
R165	1-249-419-11	CARBON 1.5K 5% 1/4W	F
R166	1-249-421-11	CARBON 2.2K 5% 1/4W	F
R167	1-247-843-11	CARBON 3.3K 5% 1/4W	
R168	1-249-425-11	CARBON 4.7K 5% 1/4W	F
R170	1-249-411-11	CARBON 330 5% 1/4W	
R171	1-249-413-11	CARBON 470 5% 1/4W	F
R172	1-249-415-11	CARBON 680 5% 1/4W	F
R173	1-249-417-11	CARBON 1K 5% 1/4W	F
R174	1-249-419-11	CARBON 1.5K 5% 1/4W	F
R175	1-249-421-11	CARBON 2.2K 5% 1/4W	F
R176	1-247-843-11	CARBON 3.3K 5% 1/4W	
R177	1-249-425-11	CARBON 4.7K 5% 1/4W	F
R178	1-249-429-11	CARBON 10K 5% 1/4W	
R179	1-249-433-11	CARBON 22K 5% 1/4W	
R180	1-249-437-11	CARBON 47K 5% 1/4W	
R189	1-249-429-11	CARBON 10K 5% 1/4W	
R190	1-249-437-11	CARBON 47K 5% 1/4W	
R193	1-249-412-11	CARBON 390 5% 1/4W	F
R194	1-249-412-11	CARBON 390 5% 1/4W	F
R197	1-249-412-11	CARBON 390 5% 1/4W	F
R198	1-249-412-11	CARBON 390 5% 1/4W	F
< SWITCH >			
S102	1-762-196-21	SWITCH, TACT (SOUND FIELD MODE -)	
S103	1-762-196-21	SWITCH, TACT (FM/AM:DE435/V424)	
		(FM:DE535/SE491/V525)	
S104	1-762-196-21	SWITCH, TACT (4)	
S105	1-762-196-21	SWITCH, TACT (TUNING +)	
S107	1-762-196-21	SWITCH, TACT (SOUND FIELED MODE +)	
S108	1-762-196-21	SWITCH, TACT (FM MODE)	
S109	1-762-196-21	SWITCH, TACT (5)	
S110	1-762-196-21	SWITCH, TACT (TUNING -)	
S112	1-762-196-21	SWITCH, TACT (SOUND FIELED ON/OFF)	
S113	1-762-196-21	SWITCH, TACT (MEMORY)	

— 51 —

Ref. No.	Part No.	Description	Remarks
* CNP801	1-564-243-11	PIN, CONNECTOR 6P	
* CNP802	1-564-506-11	PLUG, CONNECTOR 3P	
CNS102	1-569-932-11	SOCKET, CONNECTOR 15P	
CNS602	1-569-928-11	SOCKET, CONNECTOR 11P	
CNS651	1-785-819-11	HOUSING, CONNECTOR(PC BOARD) 15P	
CNS652	1-770-404-11	HOUSING, CONNECTOR(PC BOARD) 11P	
< DIODE >			
D501	8-719-911-19	DIODE 1SS119	
D502	8-719-109-54	DIODE RD2.2ES-B2	
D503	8-719-109-54	DIODE RD2.2ES-B2	
D504	8-719-911-19	DIODE 1SS119	
D505	8-719-911-19	DIODE 1SS119	
D506	8-719-911-19	DIODE 1SS119	
D513	8-719-911-19	DIODE 1SS119	
D546	8-719-911-19	DIODE 1SS119	
D551	8-719-911-19	DIODE 1SS119	
D552	8-719-109-54	DIODE RD2.2ES-B2	
D553	8-719-109-54	DIODE RD2.2ES-B2	
D554	8-719-911-19	DIODE 1SS119	
D555	8-719-911-19	DIODE 1SS119	
D556	8-719-911-19	DIODE 1SS119	
D596	8-719-911-19	DIODE 1SS119	
D601	8-719-911-19	DIODE 1SS119	
D602	8-719-109-54	DIODE RD2.2ES-B2	
D603	8-719-109-54	DIODE RD2.2ES-B2	
D604	8-719-911-19	DIODE 1SS119	
D651	8-719-911-19	DIODE 1SS119	
D652	8-719-911-19	DIODE 1SS119	
D653	8-719-911-19	DIODE 1SS119	
D660	8-719-911-19	DIODE 1SS119	
D661	8-719-911-19	DIODE 1SS119	
D801	8-719-302-38	DIODE RBV-602-01	
D802	8-719-024-99	DIODE 11ES2-NTA2B	
D803	8-719-024-99	DIODE 11ES2-NTA2B	
D804	8-719-024-99	DIODE 11ES2-NTA2B	
D805	8-719-024-99	DIODE 11ES2-NTA2B	
D806	8-719-160-26	DIODE RD5.6F-B2 (EXCEPT CND/SE491)	
D806	8-719-069-68	DIODE RD5.6F-T7 (CND/SE491)	
D807	8-719-934-17	DIODE HZS27-1L	
D809	8-719-210-21	DIODE 11EQS04	
< FUSE >			
△ F801	1-532-311-11	FUSE GLASS TUBE 8.0A 125V (MY,SP,AUS,E,CH)	
△ F801	1-533-506-51	FUSE TL6.3A 250V(AEP,EE,CIS)	
△ F802	1-532-506-51	FUSE TL6.3A 250V(AEP,EE,CIS)	
△ F802	1-533-311-11	FUSE GLASS TUBE 8.0A 125V (MY,SP,AUS,E,CH)	
< IC >			
IC809	8-759-708-05	IC NJM78L05A	
IC950	8-759-231-53	IC TA7805S	
< COIL >			
L501	1-420-872-00	COIL, AIR-CORE	
L551	1-420-872-00	COIL, AIR-CORE	

Ref. No.	Part No.	Description	Remarks
< TRANSISTOR >			
Q504	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q505	8-729-209-15	TRANSISTOR 2SD2012	
Q506	8-749-010-25	IC MN2488-OPY-M	
Q507	8-749-010-26	IC MP1620-OPY-M	
Q508	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q509	8-729-281-53	TRANSISTOR 2SC1815-GR	
Q510	8-729-900-63	TRANSISTOR DTA124ES	
Q511	8-729-900-63	TRANSISTOR DTA124ES	
Q513	8-729-119-79	TRANSISTOR 2SC2785-FEK	
Q546	8-729-119-79	TRANSISTOR 2SC2785-FEK	
Q554	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q555	8-729-209-15	TRANSISTOR 2SD2012	
Q556	8-749-010-25	IC MN2488-OPY-M	
Q557	8-749-010-26	IC MP1620-OPY-M	
Q558	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q559	8-729-281-53	TRANSISTOR 2SC1815-GR	
Q560	8-729-900-63	TRANSISTOR DTA124ES	
Q561	8-729-900-63	TRANSISTOR DTA124ES	
Q596	8-729-119-79	TRANSISTOR 2SC2785-FEK	
Q604	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q605	8-729-209-15	TRANSISTOR 2SD2012	
Q606	8-749-010-25	IC MN2488-OPY-M	
Q607	8-749-010-26	IC MP1620-OPY-M	
Q608	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q651	8-729-281-53	TRANSISTOR 2SC1815-GR	
Q652	8-729-900-36	TRANSISTOR DTC124ES	
Q653	8-729-281-53	TRANSISTOR 2SC1815-GR	
Q654	8-729-900-36	TRANSISTOR DTC124ES	
Q655	8-729-201-53	TRANSISTOR 2SA1015-GR	
Q656	8-729-900-63	TRANSISTOR DTA124ES	
Q657	8-729-900-36	TRANSISTOR DTC124ES	
Q660	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q661	8-729-119-79	TRANSISTOR 2SC2785-FEK	
Q662	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
Q801	8-729-140-97	TRANSISTOR 2SB734-34	
< RESISTOR >			
R507	1-249-431-11	CARBON	15K 5% 1/4W
R510	1-215-868-00	METAL OXIDE	680 5% 1W F
R511	1-249-425-11	CARBON	4.7K 5% 1/4W F
R512	1-249-429-11	CARBON	10K 5% 1/4W
R518	1-249-435-11	CARBON	33K 5% 1/4W (AEP,EE,CIS)
R518	1-249-437-11	CARBON	47K 5% 1/4W (EXCEPT AEP,EE,CIS)
R519	1-249-435-11	CARBON	33K 5% 1/4W (AEP,EE,CIS)
R519	1-249-437-11	CARBON	47K 5% 1/4W (EXCEPT AEP,EE,CIS)
R521	1-249-429-11	CARBON	10K 5% 1/4W
R523	1-249-421-11	CARBON	2.2K 5% 1/4W F
R524	1-249-408-11	CARBON	180 5% 1/4W F
R525	1-249-408-11	CARBON	180 5% 1/4W F
R526	1-234-182-11	ENCAPSULATED COMPONENT	
R527	1-249-427-11	CARBON	6.8K 5% 1/4W F
R528	1-249-419-11	CARBON	1.5K 5% 1/4W F

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.

以阴影和 △ 标志来识别的零部件，在安全方面具有关键性。因此只能以规定号码的零部件来更换。

P. AMP

REAR AMP

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
R529	1-249-432-11	CARBON	18K 5% 1/4W (AEP,EE,CIS)	R633	1-249-393-11	CARBON	10 5% 1/4W F
R529	1-249-433-11	CARBON	22K 5% 1/4W (MY,SP,AUS,CH)	R651	1-215-888-00	METAL OXIDE	220 5% 2W F (DE435:US/DE535:US,E)
R529	1-247-866-11	CARBON	30K 5% 1/4W (US,CND,E)	R651	1-215-889-00	METAL OXIDE	330 5% 2W F (AEP,EE,CIS,MY,SP,AU,CH)
R530	1-249-421-11	CARBON	2.2K 5% 1/4W F	R652	1-215-884-11	METAL OXIDE	47 5% 2W F (US,CND,E)
R531	1-249-433-11	CARBON	22K 5% 1/4W	R653	1-216-456-00	METAL OXIDE	820 5% 2W F (EXCEPT AEP,EE,CIS)
R532	1-249-437-11	CARBON	47K 5% 1/4W	R654	1-216-456-00	METAL OXIDE	820 5% 2W F (EXCEPT AEP,EE,CIS)
R533	1-249-393-11	CARBON	10 5% 1/4W F	R655	1-249-441-11	CARBON	100K 5% 1/4W
R534	1-249-389-11	CARBON	4.7 5% 1/4W F	R656	1-249-405-11	CARBON	100 5% 1/4W F
R535	1-249-431-11	CARBON	15K 5% 1/4W	R657	1-249-441-11	CARBON	100K 5% 1/4W
R539	1-249-427-11	CARBON	6.8K 5% 1/4W F	R658	1-249-441-11	CARBON	100K 5% 1/4W
R546	1-249-425-11	CARBON	4.7K 5% 1/4W F	R659	1-215-888-00	METAL OXIDE	220 5% 2W F (DE435:US/DE535:US,E)
R547	1-249-429-11	CARBON	10K 5% 1/4W	R659	1-215-889-00	METAL OXIDE	330 5% 2W F (AEP,EE,CIS,MY,SP,AU,CH)
R557	1-249-431-11	CARBON	15K 5% 1/4W	R660	1-249-425-11	CARBON	4.7K 5% 1/4W F
R560	1-215-868-00	METAL OXIDE	680 5% 1W F	R661	1-249-427-11	CARBON	6.8K 5% 1/4W F
R568	1-249-435-11	CARBON	33K 5% 1/4W (AEP,EE,CIS)	R662	1-249-417-11	CARBON	1K 5% 1/4W F
R568	1-249-437-11	CARBON	47K 5% 1/4W (EXCEPT AEP,EE,CIS)	R801	1-219-591-11	FUSIBLE	0.1 5% 1/2W F
R569	1-249-435-11	CARBON	33K 5% 1/4W (AEP,EE,CIS)	R802	1-219-591-11	FUSIBLE	0.1 5% 1/2W F
R569	1-249-437-11	CARBON	47K 5% 1/4W (EXCEPT AEP,EE,CIS)	R803	1-249-425-11	CARBON	4.7K 5% 1/4W F
R571	1-249-429-11	CARBON	10K 5% 1/4W	R804	1-249-401-11	CARBON	47 5% 1/4W F
R573	1-249-421-11	CARBON	2.2K 5% 1/4W F (EXCEPT E)	R805	1-249-381-11	CARBON	1 5% 1/4W F
R574	1-249-408-11	CARBON	180 5% 1/4W F	R812	1-126-951-11	ELECT	470MF 20% 35V (DE435:US/DE535:US)
R575	1-249-408-11	CARBON	180 5% 1/4W F	RR48	1-249-393-11	CARBON	10 5% 1/4W F (AEP,EE,CIS)
R576	1-234-182-11	ENCAPSULATED COMPONENT		RR49	1-249-393-11	CARBON	10 5% 1/4W F (AEP,EE,CIS)
R577	1-249-427-11	CARBON	6.8K 5% 1/4W F	RR98	1-249-393-11	CARBON	10 5% 1/4W F (AEP,EE,CIS)
R578	1-249-419-11	CARBON	1.5K 5% 1/4W F	RR99	1-249-393-11	CARBON	10 5% 1/4W F (AEP,EE,CIS)
R579	1-249-432-11	CARBON	18K 5% 1/4W (AEP,EE,CIS)			< RELAY >	
R579	1-249-433-11	CARBON	22K 5% 1/4W (MY,SP,AUS,CH)	RY501	1-515-920-11	RELAY (24V)	
R579	1-247-866-11	CARBON	30K 5% 1/4W (US,CND,E)	RY502	1-515-920-11	RELAY (24V)	
R580	1-249-421-11	CARBON	2.2K 5% 1/4W F	RY503	1-515-793-11	RELAY	
R581	1-249-433-11	CARBON	22K 5% 1/4W			< SWITCH >	
R582	1-249-437-11	CARBON	47K 5% 1/4W	S501	1-771-692-11	SWITCH, SLIDE (IMPEDANCE SELECTOR)	
R583	1-249-393-11	CARBON	10 5% 1/4W F			< TERMINAL >	
R584	1-249-389-11	CARBON	4.7 5% 1/4W F	TM501	1-537-922-11	TERMINAL BOARD (SP)	
R585	1-249-431-11	CARBON	15K 5% 1/4W			*****	
R596	1-249-425-11	CARBON	4.7K 5% 1/4W F	A-4419-074-A	REAR AMP BOARD, COMPLETE		
R597	1-249-429-11	CARBON	10K 5% 1/4W			*****	
R607	1-249-431-11	CARBON	15K 5% 1/4W			(EXCEPT AEP,EE,CIS)	
R621	1-249-429-11	CARBON	10K 5% 1/4W	A-4419-229-A	REAR AMP BOARD, COMPLETE (AEP,EE,CIS)		
R623	1-249-421-11	CARBON	2.2K 5% 1/4W F			*****	
R624	1-249-408-11	CARBON	180 5% 1/4W F			< CAPACITOR >	
R625	1-249-408-11	CARBON	180 5% 1/4W F	C720	1-104-664-11	ELECT	47uF 20% 16V
R626	1-234-182-11	ENCAPSULATED COMPONENT		C721	1-107-597-11	CERAMIC	22PF 10% 500V
R627	1-249-427-11	CARBON	6.8K 5% 1/4W F	C722	1-107-597-11	CERAMIC	22PF 10% 500V
R628	1-249-419-11	CARBON	1.5K 5% 1/4W F	C723	1-162-286-31	CERAMIC	220PF 10% 50V
R632	1-249-437-11	CARBON	47K 5% 1/4W	C725	1-136-157-00	FILM	0.022uF 5% 50V

REAR AMP

REAR SPK

Ref. No.	Part No.	Description				Remarks	Ref. No.	Part No.	Description					Remarks
C770	1-104-664-11	ELECT	47uF	20%	16V		A-4419-218-A	REAR SPK BOARD, COMPLETE	*****					
C771	1-107-597-11	CERAMIC	22PF	10%	500V								(DE435:US,CND/SE491)	
C772	1-107-597-11	CERAMIC	22PF	10%	500V									
C773	1-162-286-31	CERAMIC	220PF	10%	50V		A-4419-076-A	REAR SPK BOARD, COMPLETE	*****					
C775	1-136-157-00	FILM	0.022uF	5%	50V								(DE535:US,CND,E)	
< CONNECTOR >														
* CNV712	1-564-241-11	PIN, CONNECTOR (B4P-VH) 4P					A-4419-207-A	REAR SPK BOARD, COMPLETE	*****				(DE535:MY,SP,AUS/V525)	
< DIODE >														
D701	8-719-911-19	DIODE 1SS119					A-4419-224-A	REAR SPK BOARD, COMPLETE	*****				(DE435:MY,SP,AUS/V424)	
D702	8-719-109-51	DIODE RD2.0ES-B2												
D703	8-719-109-51	DIODE RD2.0ES-B2												
D704	8-719-911-19	DIODE 1SS119					A-4419-230-A	REAR SPK BOARD, COMPLETE (AEP,EE,CIS)	*****					
D751	8-719-911-19	DIODE 1SS119												
< CAPACITOR >														
D752	8-719-109-51	DIODE RD2.0ES-B2					C624	1-126-964-11	ELECT	10uF	20%	50V		
D753	8-719-109-51	DIODE RD2.0ES-B2					C626	1-136-153-00	FILM	0.01uF	5%	50V		
D754	8-719-911-19	DIODE 1SS119					C724	1-126-964-11	ELECT	10uF	20%	50V		
< TRANSISTOR >														
Q704	8-729-119-76	TRANSISTOR 2SA1175-HFE					C726	1-136-153-00	FILM	0.01uF	5%	50V		
Q708	8-729-140-82	TRANSISTOR 2SA988-PAFAEA					< CONNECTOR >							
Q754	8-729-119-76	TRANSISTOR 2SA1175-HFE					* CN701	1-564-241-11	PIN, CONNECTOR (B4P-VH) 4P					
Q758	8-729-140-82	TRANSISTOR 2SA988-PAFAEA					CNP601	1-564-320-00	PIN, CONNECTOR (B2P-VH) 2P					
< RESISTOR >														
R707	1-249-431-11	CARBON	15K	5%	1/4W		CNS601	1-569-060-11	SOCKET, CONNECTOR 11P					
R722	1-249-429-11	CARBON	10K	5%	1/4W		CNS601	1-569-928-11	SOCKET, CONNECTOR 11P			(EXCEPT DE535:US,CND,E)		
R723	1-249-421-11	CARBON	2.2K	5%	1/4W	F	< DIODE >							
△ R724	1-249-408-11	CARBON	180	5%	1/4W	F	D605	8-719-911-19	DIODE 1SS119					
△ R725	1-249-408-11	CARBON	180	5%	1/4W	F	D606	8-719-911-19	DIODE 1SS119					
△ R726	1-234-182-11	ENCAPSULATED COMPONENT					D607	8-719-911-19	DIODE 1SS119					
R727	1-249-427-11	CARBON	6.8K	5%	1/4W	F	D646	8-719-911-19	DIODE 1SS119					
R728	1-249-419-11	CARBON	1.5K	5%	1/4W	F	D696	8-719-911-19	DIODE 1SS119					
R732	1-249-437-11	CARBON	47K	5%	1/4W		D705	8-719-911-19	DIODE 1SS119					
△ R733	1-249-393-11	CARBON	10	5%	1/4W	F	D707	8-719-911-19	DIODE 1SS119					
R757	1-249-431-11	CARBON	15K	5%	1/4W		D746	8-719-911-19	DIODE 1SS119					
R772	1-249-429-11	CARBON	10K	5%	1/4W		< JACK >							
R773	1-249-421-11	CARBON	2.2K	5%	1/4W	F	J651	1-770-377-21	JACK, PIN 1P (DE435/SE491/V424)					
△ R774	1-249-408-11	CARBON	180	5%	1/4W	F	J651	1-770-157-21	JACK, PIN 2P (DE535/V525)					
△ R775	1-249-408-11	CARBON	180	5%	1/4W	F	< COIL >							
△ R776	1-234-182-11	ENCAPSULATED COMPONENT					L601	1-420-872-00	COIL, AIR-CORE					
R777	1-249-427-11	CARBON	6.8K	5%	1/4W	F	L701	1-420-872-00	COIL, AIR-CORE					
R778	1-249-419-11	CARBON	1.5K	5%	1/4W	F	L751	1-420-872-00	COIL, AIR-CORE					
R782	1-249-437-11	CARBON	47K	5%	1/4W		< TRANSISTOR >							
△ R783	1-249-393-11	CARBON	10	5%	1/4W	F	Q609	8-729-281-53	TRANSISTOR 2SC1815-GR					

							Q610	8-729-900-63	TRANSISTOR DTA124ES					
							Q611	8-729-900-63	TRANSISTOR DTA124ES					
							Q646	8-729-119-79	TRANSISTOR 2SC2785-FEK					
							Q696	8-729-119-79	TRANSISTOR 2SC2785-FEK					
							Q709	8-729-281-53	TRANSISTOR 2SC1815-GR					
							Q710	8-729-900-63	TRANSISTOR DTA124ES					
							Q746	8-729-119-79	TRANSISTOR 2SC2785-FEK					

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.

以阴影和 △ 标志来识别的零部件，在安全方面具有关键性。因此只能以规定号码的零部件来更换。

REAR SPK

SPK SELECT

STANDBY

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
< RESISTOR >				< DIODE >			
R618	1-249-435-11	CARBON	33K 5% 1/4W (AEP,EE,CIS)	D117	8-719-911-19	DIODE 1SS119	
R618	1-249-437-11	CARBON	47K 5% 1/4W (EXCEPT AEP,EE,CIS)	D118	8-719-911-19	DIODE 1SS119	
R629	1-249-432-11	CARBON	18K 5% 1/4W (AEP,EE,CIS)	< SWITCH >			
R629	1-247-866-11	CARBON	30K 5% 1/4W (US,CND,E)	S101	1-762-196-21	SWITCH, TACT (I/⏏)	
R629	1-249-433-11	CARBON	22K 5% 1/4W (MY,SP,AUS,CH)	SW101	1-762-268-11	SWITCH, ROTARY (SPEAKERS)	

R630	1-249-421-11	CARBON	2.2K 5% 1/4W F	1-672-995-11	STANDBY BOARD		
R631	1-249-433-11	CARBON	22K 5% 1/4W	*****			
△ R634	1-249-389-11	CARBON	4.7 5% 1/4W F	< CAPACITOR >			
R635	1-249-431-11	CARBON	15K 5% 1/4W	C901	1-161-494-00	CERAMIC	0.022uF 25V
R636	1-249-433-11	CARBON	22K 5% 1/4W	C902	1-161-494-00	CERAMIC	0.022uF 25V
R646	1-249-425-11	CARBON	4.7K 5% 1/4W F	C903	1-126-767-11	ELECT	1000uF 20% 16V
R647	1-249-429-11	CARBON	10K 5% 1/4W	C904	1-126-960-11	ELECT	1uF 20% 50V
R648	1-249-404-00	CARBON	82 5% 1/4W F	C905	1-126-964-11	ELECT	10uF 20% 50V
R649	1-249-404-00	CARBON	82 5% 1/4W F	C906	1-124-464-11	ELECT	0.22uF 20% 50V
R668	1-249-420-11	CARBON	1.8K 5% 1/4W F	C907	1-161-494-00	CERAMIC	0.022uF 25V
R696	1-249-425-11	CARBON	4.7K 5% 1/4W F	C908	1-164-159-11	CERAMIC	0.1uF 50V
R697	1-249-429-11	CARBON	10K 5% 1/4W	C914	1-164-159-11	CERAMIC	0.1uF 50V
△ R698	1-249-410-11	CARBON	270 5% 1/4W F	C917	1-164-159-11	CERAMIC	0.1uF 50V
△ R699	1-249-410-11	CARBON	270 5% 1/4W F	< JACK >			
R729	1-249-432-11	CARBON	18K 5% 1/4W (AEP,EE,CIS)	CNJ901	1-785-834-11	OUTLET (1P) (DE435:US,CND/V424)	
R729	1-247-866-11	CARBON	30K 5% 1/4W (US,CND,E)	CNJ901	1-785-285-11	OUTLET, AC (1P) (AEP,EE,CIS,MY,SP)	
R729	1-249-433-11	CARBON	22K 5% 1/4W (MY,SP,AUS,CH)	CNJ901	1-251-417-11	OUTLET, A.C. (AUS)	
R730	1-249-421-11	CARBON	2.2K 5% 1/4W F	CNJ901	1-251-718-11	OUTLET (2 GANG), AC (DE535:US,CND,E/SE491/V525)	
R731	1-249-433-11	CARBON	22K 5% 1/4W	< CONNECTOR >			
△ R734	1-249-389-11	CARBON	4.7 5% 1/4W F	CNP901	1-564-321-00	PIN, CONNECTOR 2P	
R735	1-249-431-11	CARBON	15K 5% 1/4W	* CNP902	1-565-792-11	PIN, CONNECTOR 2P	
R746	1-249-425-11	CARBON	4.7K 5% 1/4W F	* CNP903	1-573-565-11	PIN, CONNECTOR 5P (DE535:E)	
R747	1-249-429-11	CARBON	10K 5% 1/4W	< DIODE >			
R748	1-249-404-00	CARBON	82 5% 1/4W F	D901	8-719-024-99	DIODE 11ES2-NTA2B	
R749	1-249-404-00	CARBON	82 5% 1/4W F	D902	8-719-024-99	DIODE 11ES2-NTA2B	
△ R784	1-249-389-11	CARBON	4.7 5% 1/4W F	D903	8-719-024-99	DIODE 11ES2-NTA2B	
< RELAY >				D904	8-719-024-99	DIODE 11ES2-NTA2B	
RY601	1-515-920-11	RELAY (24V)		D905	8-719-911-19	DIODE 1SS119	
RY651	1-755-267-11	RELAY		D906	8-719-911-19	DIODE 1SS119	
RY701	1-515-920-11	RELAY (24V)		D907	8-719-911-19	DIODE 1SS119	
< TERMINAL >				< EARTH >			
TM701	1-537-510-11	TERMINAL BOARD (SPEAKER) (6P)		* EB900	1-537-738-21	TERMINAL, EARTH (US,CND)	
*****				* EB901	1-537-738-21	TERMINAL, EARTH	
1-672-997-11	SPK SELECT BOARD			< FUSE >			
*****				△ F901	1-532-504-31	FUSE T4AL 250V (E,MY,SP,AUS,CH)	
< CONNECTOR >				△ F901	1-532-506-51	FUSE TL6.3A 250V (AEP,EE,CIS)	
* CNS107	1-695-808-11	CONNECTOR, PC BOARD 8P		△ F901	1-533-310-11	FUSE, GLASS TUBE (6.3A/125V) (US,CND)	
				△ F903	1-532-464-31	FUSE T2.5AL 250V (AEP,EE,CIS,MY,SP,AUS,CH)	
				△ F904	1-532-504-31	FUSE T4AL 250V (DE535:E)	

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.

以阴影和 △ 标志来识别的零部件，在安全方面具有关键性。因此只能以规定号码的零部件来更换。

SURR

Ref. No.	Part No.	Description	Remarks			
< IC >						
IC901	8-759-333-83	IC NJM2103D				
<TRANSISTOR >						
Q901	8-729-119-79	TRANSISTOR 2SC2785-FEK				
Q902	8-729-026-68	TRANSISTOR 2SD2525 (TP)				
< RESISTOR >						
R901	1-202-725-00	SOLID	3.3M	10%	1/2W	(US,CND)
R902	1-249-429-11	CARBON	10K	5%	1/4W	
R903	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R904	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R905	1-249-428-11	CARBON	8.2K	5%	1/4W	F
R906	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R908	1-249-433-11	CARBON	22K	5%	1/4W	
R909	1-249-437-11	CARBON	47K	5%	1/4W	
R910	1-249-429-11	CARBON	10K	5%	1/4W	
R912	1-247-843-11	CARBON	3.3K	5%	1/4W	
< RELAY >						
△ RY901	1-755-298-11	RELAY (EXCEPT DE435:US,CND)				
△ RY901	1-515-999-11	RELAY, POWER (DE435:US,CND)				
< TRANSFORMER >						
△ T902	1-433-687-11	TRANSFORMER, POWER (AEP,EE,CIS,AUS,E)				
△ T902	1-433-685-11	TRANSFORMER, POWER (MY,SP,CH)				
△ T902	1-433-686-11	TRANSFORMER, POWER (US,CND)				

A-4419-083-A	SURR BOARD, COMPLETE (DE535/V525)					

A-4419-203-A	SURR BOARD, COMPLETE (SE491)					

A-4419-221-A	SURR BOARD, COMPLETE					

(EXCEPT AEP,EE,CIS/DE535/SE491/V525)						
A-4419-234-A	SURR BOARD, COMPLETE (AEP,EE,CIS)					

< CAPACITOR >						
C219	1-126-964-11	ELECT	10uF	20%	50V	
C221	1-126-964-11	ELECT	10uF	20%	50V	
C223	1-126-964-11	ELECT	10uF	20%	50V	
C225	1-126-964-11	ELECT	10uF	20%	50V	
C269	1-126-964-11	ELECT	10uF	20%	50V	
C271	1-126-964-11	ELECT	10uF	20%	50V	
C280	1-126-960-11	ELECT	1uF	20%	50V	(DE435/DE535/V424/V525)
C281	1-126-960-11	ELECT	1uF	20%	50V	(DE435/DE535/V424/V525)
C282	1-126-960-11	ELECT	1uF	20%	50V	(DE435/DE535/V424/V525)
C283	1-162-215-31	CERAMIC	47PF	5%	50V	(DE435/DE535/V424/V525)

Ref. No.	Part No.	Description	Remarks		
C284	1-162-215-31	CERAMIC	47PF	5%	50V
(DE435/DE535/V424/V525)					
C285	1-104-664-11	ELECT	47uF	20%	16V
(DE435/DE535/V424/V525)					
C287	1-164-159-11	CERAMIC	0.1uF		50V
(DE435/DE535/V424/V525)					
C289	1-164-159-11	CERAMIC	0.1uF		50V
(DE435/DE535/V424/V525)					
C290	1-104-664-11	ELECT	47uF	20%	16V
(DE435/DE535/V424/V525)					
C291	1-126-960-11	ELECT	1uF	20%	50V
(DE435/DE535/V424/V525)					
C301	1-124-250-11	ELECT	0.15uF	20%	50V
C302	1-126-962-11	ELECT	3.3uF	20%	50V
C303	1-124-250-11	ELECT	0.15uF	20%	50V
C304	1-126-963-11	ELECT	4.7uF	20%	50V
C305	1-126-959-11	ELECT	0.47uF	20%	50V
C306	1-126-963-11	ELECT	4.7uF	20%	50V
C307	1-126-959-11	ELECT	0.47uF	20%	50V
C308	1-136-165-00	FILM	0.1uF	5%	50V
C309	1-136-165-00	FILM	0.1uF	5%	50V
C310	1-136-177-00	FILM	1uF	5%	50V
C311	1-126-963-11	ELECT	4.7uF	20%	50V
C312	1-126-963-11	ELECT	4.7uF	20%	50V
C313	1-126-925-11	ELECT	470uF	20%	10V
C314	1-126-964-11	ELECT	10uF	20%	50V
C315	1-126-964-11	ELECT	10uF	20%	50V
C316	1-126-964-11	ELECT	10uF	20%	50V
C317	1-126-964-11	ELECT	10uF	20%	50V
C318	1-126-925-11	ELECT	470uF	20%	10V
C319	1-136-161-00	FILM	0.047uF	5%	50V
C320	1-136-157-00	FILM	0.022uF	5%	50V
C321	1-130-469-00	MYLAR	680PF	5%	50V
C322	1-126-959-11	ELECT	0.47uF	20%	50V
C323	1-164-159-11	CERAMIC	0.1uF		50V
C324	1-126-925-11	ELECT	470uF	20%	10V
C325	1-126-964-11	ELECT	10uF	20%	50V
C326	1-136-177-00	FILM	1uF	5%	50V
C327	1-136-165-00	FILM	0.1uF	5%	50V
C328	1-136-165-00	FILM	0.1uF	5%	50V
C329	1-126-959-11	ELECT	0.47uF	20%	50V
C330	1-126-963-11	ELECT	4.7uF	20%	50V
C331	1-126-959-11	ELECT	0.47uF	20%	50V
C332	1-126-963-11	ELECT	4.7uF	20%	50V
C333	1-124-250-11	ELECT	0.15uF	20%	50V
C334	1-126-962-11	ELECT	3.3uF	20%	50V
C335	1-124-250-11	ELECT	0.15uF	20%	50V
C337	1-136-165-00	FILM	0.1uF	5%	50V
C338	1-136-177-00	FILM	1uF	5%	50V
C339	1-126-959-11	ELECT	0.47uF	20%	50V
C340	1-126-925-11	ELECT	470uF	20%	10V
C341	1-164-159-11	CERAMIC	0.1uF		50V
C342	1-136-165-00	FILM	0.1uF	5%	50V
C343	1-137-358-11	FILM	0.0001uF	5%	50V
C344	1-126-934-11	ELECT	220uF	20%	10V
C345	1-126-964-11	ELECT	10uF	20%	50V

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.

以阴影和 △ 标志来识别的零部件，在安全方面具有关键性。因此只能以规定号码的零部件来更换。

Ref. No.	Part No.	Description	Remarks			Ref. No.	Part No.	Description	Remarks		
C346	1-126-964-11	ELECT	10uF	20%	50V	C467	1-162-199-31	CERAMIC	10PF	5%	50V
C347	1-126-964-11	ELECT	10uF	20%	50V						
C348	1-126-964-11	ELECT	10uF	20%	50V	C468	1-126-965-11	ELECT	22uF	20%	50V
C349	1-137-358-11	FILM	0.0001uF	5%	50V	C469	1-162-199-31	CERAMIC	10PF	5%	50V
C350	1-126-961-11	ELECT	2.2uF	20%	50V	C470	1-126-965-11	ELECT	22uF	20%	50V
								< CONNECTOR >			
C351	1-164-159-11	CERAMIC	0.1uF		50V	CNS201	1-569-932-11	SOCKET, CONNECTOR 15P			
C352	1-124-252-00	ELECT	0.33uF	20%	50V	* CNS203	1-569-932-11	SOCKET, CONNECTOR 15P (DE435:US,CND/DE535/V525)			
C353	1-136-177-00	FILM	1uF	5%	50V	CNS203	1-569-930-11	SOCKET, CONNECTOR 13P (DE435:EXCEPT US,CND/SE491/V424)			
C354	1-136-165-00	FILM	0.1uF	5%	50V	CNS403	1-569-928-11	SOCKET, CONNECTOR 11P			
C355	1-136-164-00	FILM	0.082uF	5%	50V			< DIODE >			
C356	1-130-477-00	MYLAR	0.0033uF	5%	50V	D401	8-719-911-19	DIODE 1SS119			
C357	1-136-164-00	FILM	0.082uF	5%	50V	D402	8-719-911-19	DIODE 1SS119			
C358	1-126-925-11	ELECT	470uF	20%	10V	D403	8-719-911-19	DIODE 1SS119			
C359	1-102-953-00	CERAMIC	18PF	5%	50V	D404	8-719-911-19	DIODE 1SS119			
C360	1-102-518-11	CERAMIC	33PF	5%	50V	D405	8-719-911-19	DIODE 1SS119			
C361	1-102-973-00	CERAMIC	100PF	5%	50V	D406	8-719-911-19	DIODE 1SS119			
C362	1-102-852-91	CERAMIC	47PF	5%	50V	D407	8-719-911-19	DIODE 1SS119			
C363	1-102-951-00	CERAMIC	15PF	5%	50V	D408	8-719-911-19	DIODE 1SS119			
C364	1-136-165-00	FILM	0.1uF	5%	50V	SVC300	8-719-070-77	DIODE SVC201SPA-M1-AC			
C365	1-164-159-11	CERAMIC	0.1uF		50V			< IC >			
C366	1-126-956-91	ELECT	0.1uF	20%	50V	IC280	8-759-700-65	IC NJM79L05A (DE435/DE535/V424/V525)			
C367	1-162-282-31	CERAMIC	100PF	10%	50V	IC281	8-759-333-84	IC NJM2279D (DE435/DE535/V424/V525)			
C368	1-137-358-11	FILM	0.0001uF	5%	50V	IC301	8-759-528-35	IC CXA8079S			
C401	1-126-966-11	ELECT	33uF	20%	50V	IC302	8-759-579-62	IC LV1018			
C402	1-102-508-91	CERAMIC	10PF	0.5PF	50V	IC303	8-759-604-38	IC M5F78M10 (EXCEPT AEP,EE,CIS)			
C403	1-126-966-11	ELECT	33uF	20%	50V	IC400	8-759-636-74	IC M5218AP-22			
C404	1-162-282-31	CERAMIC	100PF	10%	50V	IC401	8-759-462-99	IC TC9184P			
C405	1-136-157-00	FILM	0.022uF	5%	50V	IC402	8-759-636-74	IC M5218AP-22			
C406	1-130-476-00	MYLAR	0.0027uF	5%	50V	IC403	8-759-636-74	IC M5218AP-22			
C407	1-110-335-11	MYLAR	100PF	5%	50V			< JACK >			
						J204	1-779-380-11	JACK, PIN 6P			
C408	1-136-495-11	FILM	0.068uF	5%	50V	J280	1-770-336-11	JACK, PIN 2P (DE435/DE535/V424/V525)			
C409	1-136-153-00	FILM	0.01uF	5%	50V	J281	1-774-821-11	JACK, PIN 3P (DE435/DE535/V424/V525)			
C410	1-126-933-11	ELECT	100uF	20%	16V	J283	1-563-330-11	JACK (DE535/V525)			
C411	1-136-171-00	FILM	0.33uF	5%	50V			< COIL >			
C412	1-136-159-00	FILM	0.033uF	5%	50V	L300	1-410-509-11	INDUCTOR 10uH			
						L301	1-410-509-11	INDUCTOR 10uH			
C413	1-164-159-11	CERAMIC	0.1uF		50V			< TRANSISTOR >			
C414	1-164-159-11	CERAMIC	0.1uF		50V	Q401	8-729-202-67	TRANSISTOR 2SK246-GR3			
C417	1-162-199-31	CERAMIC	10PF	5%	50V	Q402	8-729-141-30	TRANSISTOR 2SC3623A-LK			
C418	1-126-965-11	ELECT	22uF	20%	50V	Q403	8-729-119-79	TRANSISTOR 2SC2785-FEK			
C419	1-162-199-31	CERAMIC	10pF	5%	50V	Q404	8-729-141-30	TRANSISTOR 2SC3623A-LK			
						Q405	8-729-141-30	TRANSISTOR 2SC3623A-LK			
C420	1-126-965-11	ELECT	22uF	20%	50V						
C421	1-164-159-11	CERAMIC	0.1uF		50V	Q406	8-729-141-30	TRANSISTOR 2SC3623A-LK			
C422	1-164-159-11	CERAMIC	0.1uF		50V	Q407	8-729-141-30	TRANSISTOR 2SC3623A-LK			
C423	1-164-159-11	CERAMIC	0.1uF		50V	Q408	8-729-141-30	TRANSISTOR 2SC3623A-LK			
C424	1-164-159-11	CERAMIC	0.1uF		50V	Q409	8-729-141-30	TRANSISTOR 2SC3623A-LK			
						Q421	8-729-900-36	DTC124ES			
C440	1-164-159-11	CERAMIC	0.1uF		50V						
C441	1-164-159-11	CERAMIC	0.1uF		50V	Q422	8-729-900-63	DTA124ES			
C450	1-126-965-11	ELECT	22uF	20%	50V	Q451	8-729-202-67	TRANSISTOR 2SK246-GR3			
C451	1-126-966-11	ELECT	33uF	20%	50V	Q452	8-729-141-30	TRANSISTOR 2SC3623A-LK			
C452	1-102-508-91	CERAMIC	10PF	0.5PF	50V						
C453	1-126-966-11	ELECT	33uF	20%	50V						
C455	1-136-157-00	FILM	0.022uF	5%	50V						
C456	1-130-476-00	MYLAR	0.0027uF	5%	50V						
C457	1-110-335-11	MYLAR	100PF	5%	50V						
C458	1-136-495-11	FILM	0.068uF	5%	50V						
C459	1-136-153-00	FILM	0.01uF	5%	50V						
C460	1-126-933-11	ELECT	100uF	20%	16V						
C461	1-136-171-00	FILM	0.33uF	5%	50V						
C462	1-136-159-00	FILM	0.033uF	5%	50V						

SURR

Ref. No.	Part No.	Description				Remarks
< RESISTOR >						
R219	1-249-417-11	CARBON	1K	5%	1/4W F	
R220	1-249-441-11	CARBON	100K	5%	1/4W	
R221	1-249-417-11	CARBON	1K	5%	1/4W F	
R222	1-249-441-11	CARBON	100K	5%	1/4W	
R223	1-249-417-11	CARBON	1K	5%	1/4W F	
R224	1-249-441-11	CARBON	100K	5%	1/4W	
R225	1-249-417-11	CARBON	1K	5%	1/4W F	
R226	1-249-441-11	CARBON	100K	5%	1/4W	
R269	1-249-417-11	CARBON	1K	5%	1/4W	
R270	1-249-441-11	CARBON	100K	5%	1/4W	
R271	1-249-417-11	CARBON	1K	5%	1/4W F	
R272	1-249-441-11	CARBON	100K	5%	1/4W	
R280	1-247-804-11	CARBON	75	5%	1/4W	
			(DE435/DE535/V424/V525)			
R281	1-247-804-11	CARBON	75	5%	1/4W	
			(DE435/DE535/V424/V525)			
R282	1-247-804-11	CARBON	75	5%	1/4W	
			(DE435/DE535/V424/V525)			
R283	1-247-804-11	CARBON	75	5%	1/4W	
			(DE435/DE535/V424/V525)			
R284	1-247-804-11	CARBON	75	5%	1/4W	
			(DE435/DE535/V424/V525)			
R311	1-249-441-11	CARBON	100K	5%	1/4W	
R312	1-249-441-11	CARBON	100K	5%	1/4W	
R313	1-249-439-11	CARBON	68K	5%	1/4W	
R314	1-249-441-11	CARBON	100K	5%	1/4W	
R315	1-249-436-11	CARBON	39K	5%	1/4W	
R351	1-249-436-11	CARBON	39K	5%	1/4W	
R400	1-247-852-11	CARBON	7.5K	5%	1/4W	
R401	1-249-429-11	CARBON	10K	5%	1/4W	
R402	1-249-440-11	CARBON	82K	5%	1/4W	
R403	1-247-895-00	CARBON	470K	5%	1/4W	
R404	1-249-429-11	CARBON	10K	5%	1/4W	
R405	1-249-418-11	CARBON	1.2K	5%	1/4W F	
R406	1-249-426-11	CARBON	5.6K	5%	1/4W	
R407	1-249-434-11	CARBON	27K	5%	1/4W	
R408	1-249-441-11	CARBON	100K	5%	1/4W	
R409	1-249-426-11	CARBON	5.6K	5%	1/4W	
R410	1-249-426-11	CARBON	5.6K	5%	1/4W	
R411	1-247-843-11	CARBON	3.3K	5%	1/4W	
R412	1-249-421-11	CARBON	2.2K	5%	1/4W F	
R413	1-247-903-00	CARBON	1M	5%	1/4W	
R414	1-249-441-11	CARBON	100K	5%	1/4W	
R415	1-247-843-11	CARBON	3.3K	5%	1/4W	
R416	1-247-883-00	CARBON	150K	5%	1/4W	
R417	1-249-413-11	CARBON	470	5%	1/4W F	
R418	1-249-427-11	CARBON	6.8K	5%	1/4W F	
R419	1-247-903-00	CARBON	1M	5%	1/4W	
R420	1-249-441-11	CARBON	100K	5%	1/4W	
R422	1-249-429-11	CARBON	10K	5%	1/4W	
R423	1-249-418-11	CARBON	1.2K	5%	1/4W F	
R424	1-249-417-11	CARBON	1K	5%	1/4W F	
R425	1-249-441-11	CARBON	100K	5%	1/4W	
R426	1-249-418-11	CARBON	1.2K	5%	1/4W F	
R427	1-249-417-11	CARBON	1K	5%	1/4W F	

Ref. No.	Part No.	Description	Remarks			
R428	1-249-441-11	CARBON	100K	5%	1/4W	
R430	1-249-441-11	CARBON	100K	5%	1/4W	
R431	1-249-429-11	CARBON	10K	5%	1/4W	
R432	1-249-433-11	CARBON	22K	5%	1/4W	
R433	1-249-429-11	CARBON	10K	5%	1/4W	
R434	1-249-441-11	CARBON	100K	5%	1/4W	
R435	1-249-429-11	CARBON	10K	5%	1/4W	
R436	1-249-433-11	CARBON	22K	5%	1/4W	
R437	1-249-429-11	CARBON	10K	5%	1/4W	
R438	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R439	1-249-429-11	CARBON	10K	5%	1/4W	
R440	1-249-441-11	CARBON	100K	5%	1/4W	
R445	1-249-417-11	CARBON	1K	5%	1/4W	F
R446	1-249-429-11	CARBON	10K	5%	1/4W	
R447	1-249-441-11	CARBON	100K	5%	1/4W	
R450	1-247-852-11	CARBON	7.5K	5%	1/4W	
R451	1-249-429-11	CARBON	10K	5%	1/4W	
R452	1-249-440-11	CARBON	82K	5%	1/4W	
R453	1-247-895-00	CARBON	470K	5%	1/4W	
R454	1-249-429-11	CARBON	10K	5%	1/4W	
R455	1-249-418-11	CARBON	1.2K	5%	1/4W	F
R456	1-249-426-11	CARBON	5.6K	5%	1/4W	
R457	1-249-434-11	CARBON	27K	5%	1/4W	
R458	1-249-441-11	CARBON	100K	5%	1/4W	
R459	1-249-426-11	CARBON	5.6K	5%	1/4W	
R460	1-249-426-11	CARBON	5.6K	5%	1/4W	
R461	1-247-843-11	CARBON	3.3K	5%	1/4W	
R462	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R463	1-247-903-00	CARBON	1M	5%	1/4W	
R464	1-249-441-11	CARBON	100K	5%	1/4W	
R465	1-247-843-11	CARBON	3.3K	5%	1/4W	
R466	1-247-883-00	CARBON	150K	5%	1/4W	
R467	1-249-413-11	CARBON	470	5%	1/4W	F
R468	1-249-427-11	CARBON	6.8K	5%	1/4W	F
R480	1-249-441-11	CARBON	100K	5%	1/4W	
R481	1-249-429-11	CARBON	10K	5%	1/4W	
R482	1-249-433-11	CARBON	22K	5%	1/4W	
R483	1-249-429-11	CARBON	10K	5%	1/4W	
R484	1-249-418-11	CARBON	1.2K	5%	1/4W	F
R485	1-249-417-11	CARBON	1K	5%	1/4W	F
R486	1-249-429-11	CARBON	10K	5%	1/4W	
R487	1-249-418-11	CARBON	1.2K	5%	1/4W	F
R488	1-249-417-11	CARBON	1K	5%	1/4W	F
R489	1-249-429-11	CARBON	10K	5%	1/4W	
R490	1-249-418-11	CARBON	1.2K	5%	1/4W	F
R491	1-249-417-11	CARBON	1K	5%	1/4W	F
R492	1-249-429-11	CARBON	10K	5%	1/4W	
R493	1-249-418-11	CARBON	1.2K	5%	1/4W	F
R494	1-249-417-11	CARBON	1K	5%	1/4W	F
R497	1-249-441-11	CARBON	100K	5%	1/4W	

< RELAY >

RY401 1-515-614-11 RELAY

VOL

VOLTAGE SELECTOR

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
	A-4419-075-A	VOL BOARD, COMPLETE *****		Q755	8-729-209-15	TRANSISTOR 2SD2012	
		< CAPACITOR >		Q756	8-749-010-25	IC MN2488-OPY-M	
C090	1-126-960-11	ELECT 1uF 20% 50V		Q757	8-749-010-26	IC MP1620-OPY-M	
C091	1-126-960-11	ELECT 1uF 20% 50V		△ T901	1-433-679-11	TRANSFORMER, POWER (DE435:CND/DE535:CND)	
		< CONNECTOR >		△ T901	1-433-680-11	TRANSFORMER, POWER (DE435:US/DE535:US)	
CNP105	1-770-388-11	PIN, CONNECTOR (PC BOARD) 4P		△ T901	1-433-680-21	TRANSFORMER, POWER (SE491)	
CNP401	1-770-389-11	PIN, CONNECTOR (PC BOARD) 5P		△ T901	1-433-681-11	TRANSFORMER, POWER (DE435:AEP,EE,CIS)	
CNS402	1-569-904-11	SOCKET, CONNECTOR 9P		△ T901	1-433-682-11	TRANSFORMER, POWER (DE435:AUS/DE535:AUS)	
CNS404	1-569-906-11	SOCKET, CONNECTOR 11P		△ T901	1-433-683-11	TRANSFORMER, POWER (DE435:MY,SP/DE535:MY,SP/V424/V525)	
		< VARIABLE RESISTOR >		△ T901	1-433-684-11	TRANSFORMER, POWER (DE535:E)	

RV401	1-225-776-11	RES, VAR, CARBON 100K/100K × 5 (MASTER VOLUME)		ACCESSORIES & PACKING MATERIALS *****			
*****				1-418-293-11	REMOTE COMMANDER (RM-LJ302) (DE535/V525)		
	1-672-996-11	VOLTAGE SELECTOR BOARD (DE535:E) *****		1-501-374-11	ANTENNA LOOP		
1-533-399-31		HOLDER, FUSE		1-501-594-11	ANTENNA (FM) (EXCEPT US,CND)		
		< CONNECTOR >		3-866-247-11	MANUAL, INSTRUCTION (ENGLISH) (US)		
* CNP906	1-566-664-11	PIN, CONNECTOR 4P		3-866-247-21	MANUAL, INSTRUCTION (FRENCH) (CND,MY,SP,E,AUS)		
		< SWITCH >		3-866-247-31	MANUAL, INSTRUCTION (ENGLISH,CHINESE) (CH)		
△ S901	1-571-437-11	SWITCH POWER VOLTAGE CHANGE *****		3-866-247-41	MANUAL, INSTRUCTION (SWEDISH,SPANISH,ITALIAN,PORTUGUESE) (AEP)		
		MISCELLANEOUS *****		3-866-247-51	MANUAL, INSTRUCTION (ENGLISH,FRENCH,DUTCH,GERMAN) (AEP)		
27	1-769-991-11	WIRE (FLAT TYPE) (13 CORE) (DE435,SE491,V424)		3-866-247-61	MANUAL, INSTRUCTION (ENGLISH,RUSSIAN,POLISH) (EE,CIS)		
27	1-773-024-11	WIRE (FLAT TYPE) (15 CORE)(DE535/V525)		3-866-295-11	MANUAL, INSTRUCTION (RM-LJ302)(ENGLISH) (DE535/V525)		
28	1-773-012-11	WIRE (FLAT TYPE) (15 CORE)		3-866-295-21	MANUAL, INSTRUCTION (RM-LJ302) (FRENCH,SPANISH) (DE535:CND,E)		
62	1-769-937-11	WIRE (FLAT TYPE) (11 CORE)		3-866-295-31	MANUAL, INSTRUCTION (RM-LJ302)(CHINESE) (DE535:MY,SP/V525)		
△ 65	1-696-847-11	CORD, POWER (DE435:AUS/DE535:AUS)		3-866-296-11	MANUAL, INSTRUCTION (RM-PP402) (ENGLISH) (DE435/SE491/V424)		
△ 65	1-777-070-21	CORD, POWER (DE435:CND/DE535:CND)		3-866-296-21	MANUAL, INSTRUCTION (RM-PP402) (FRENCH,SPANISH) (DE435:CND/AEP)		
△ 65	1-777-071-21	CORD, POWER (DE435:AEP,EE,CIS,MY,SP/DE535:E,MY,SP)		3-866-296-31	MANUAL, INSTRUCTION (RM-PP402)(CHINESE) (DE435:MY,SP/V424)		
△ 65	1-783-205-11	CORD, POWER (V424/V525)		3-866-296-41	MANUAL, INSTRUCTION (RM-PP402) (DUTCH,SWEDISH,GERMAN,ITALIAN,PORTUGUESE) (DE435:AEP)		
△ 65	1-783-820-11	CORD, POWER (DE435:US/DE535:US/SE491)		3-866-296-51	MANUAL, INSTRUCTION (RM-PP402) (DANISH,FINNISH) (DE435:AEP)		
69	1-773-008-11	WIRE (FLAT TYPE) (15 CORE)		3-866-296-61	MANUAL, INSTRUCTION (RM-PP402) (POLISH,RUSSIAN) (DE435:EE,CIS)		
70	1-769-942-11	WIRE (FLAT TYPE) (11 CORE)		3-866-296-71	MANUAL, INSTRUCTION (RM-PP402) (CZECH) (DE435:EE,CIS)		
71	1-769-909-11	WIRE (FLAT TYPE) (9 CORE)		3-866-419-11	MANUAL (RECV.HOOK-UP)(EXCEPT SE491)		
73	1-693-407-62	TUNER (DE435:US,CND/DE535:US,CND,E/SE491)		3-866-670-11	MANUAL,COMMONNESS INSTRUCTION		
73	1-693-408-41	TUNER (DE435:AEP,MY,SP,AUS/DE535:MY,SP,AUS/V424/V525)					
73	1-693-411-43	TUNER (DE435:EE,CIS)					
74	1-773-004-11	WIRE (FLAT TYPE) (15 CORE)					
△ 78	1-569-008-21	ADAPTOR, CONVERSION 2P (DE535: E)					
Q705	8-729-209-15	TRANSISTOR 2SD2012					
Q706	8-749-010-25	IC MN2488-OPY-M					
Q707	8-749-010-26	IC MP1620-OPY-M					

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.

以阴影和 △ 标志来识别的零部件，在安全方面具有关键性。因此只能以规定号码的零部件来更换。

STR-DE435/DE535/SE491/V424/V525

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remarks</u>
			(ENGLISH) (DE535:US,AUS)
	3-866-670-21	MANUAL,COMMONNESS INSTRUCTION	
		(ENGLISH,FRENCH,GERMAN,SPANISH,DUTCH) (DE535:CND,E,MY,SP)	
	3-866-670-41	MANUAL,COMMONNESS INSTRUCTION	
		(ENGLISH,ARABIC,CHINESE)(V525)	
	4-981-643-11	COVER,BATTERY (FOR RM-JL302)	
		(DE535/V525)	
	4-978-977-01	COVER BATTERY(FOR RM-PP402)	
		(DE435,SE491,V424)	
	8-917-666-90	REMOTE COMMANDER(RM-PP402)	
		(DE435,SE491,V424)	

HARDWARE LIST

#1	7-685-646-79	SCREW +BVTP 3 × 8 TYPE2 TT(B)
#2	7-685-881-09	SCREW +BVTT 4 × 8 (S)

MEMO

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.

[illegible]