

HCD-DR3/DR330/XB200

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AEP Model

UK Model

HCD-XB200

E Model


HCD-DR3/DR330

Australian Model

HCD-DR3

HCD-DR3/DR330/XB200 is the tuner, deck, CD and amplifier section in LBT-DR3/
By: Kevin Electronica C.E.I.T..

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CD SECTION	Model Name Using Similar Mechanism	HCD-G2500
	Base Unit Type	KSM-213ECM/C2NP
	Optical Pick-up Type	KSS-213E/C2N
TAPE DECK SECTION	Model Name Using Similar Mechanism	NEW
	Tape Transport Mechanism Type	CWL-44-RR

SPECIFICATIONS

Amplifier section

(LBT-XB200)

DIN power output (Rated) 70W + 70W
(6 Ω at 1 kHz DIN)

Continuous RMS power output (Reference)
80W + 80W
(6 Ω at 1 kHz, 10% THD)

Music power output (Reference)
140W + 140W
(6 Ω at 1 kHz, 10% THD)

(LBT-DR330/DR3)

The following measured at AC 110/220V, 60Hz ;

Continuous RMS power output (Reference)
85W + 85W
(6 Ω at 1 kHz, 10% THD)

DIN power output (Rated) 70W + 70W
(6 Ω at 1 kHz, DIN)

The following measured at AC 120/240V, 60Hz ;

Continuous RMS power output (Reference)
100W + 100W
(6 Ω at 1 kHz, 10% THD)

DIN power output (Rated) 80W + 80W
(6 Ω at 1 kHz, DIN)

Inputs

PHONO IN (phono jack):

sensitivity 3mV,
impedance 47 k Ω

MD/VIDEO IN (phono jacks):

sensitivity 250mV,
impedance 47 k Ω

Outputs

PHONOS (stereo phono jacks):

accepts headphones of 8 Ω
or more

MD/VIDEO OUT (phone jack):

voltage 250mV,
impedance 1 k Ω

SPEAKER:

accepts impedance of 6 to
16 Ω

CD player section

System

Compact disc and digital
audio system

Laser

Semiconductor laser
(λ = 780 nm)

Emission

duration: continuous

Max. 44.6 μ W*

Laser output

*This output is the value
measured at a distance of
200 mm from the objective
lens surface on the Optical
Pick-up Block with 7 mm
aperture.

Wavelength

780 – 790 nm

Frequency response

20Hz – 20kHz (\pm 0.5 dB)

Signal-to-noise ratio

More than 90 dB

Dynamic range

More than 90 dB

DIGITAL OUT

(Square optical connector jack, rear panel)

Wavelength

600 nm

Output Level

-18 dBm

Tape deck section

Recording system

4-track 2-channel stereo

Frequency response (DOLBY NR OFF)

60 – 13,000 Hz (\pm 3 dB),
using a Sony TYPE I
cassette

Tuner section

FM stereo, FM/AM superheterodyne tuner

FM tuner section

Tuning range

87.5 – 108.0 MHz
(50 kHz step)

Continued on next page

COMPACT Hi-Fi STEREO SYSTEM



SONY®

AM tuner section

Tuning range

European and Middle Eastern models:
531 – 1,602 kHz
(with the tuning interval set at 9 kHz)
Other models:
531 – 1,602 kHz
(with the tuning interval set at 9 kHz)
530 – 1,710 kHz
(with the tuning interval set at 10 kHz)

Antenna
AM loop antenna,
External antenna terminals
Intermediate frequency
450 kHz

General

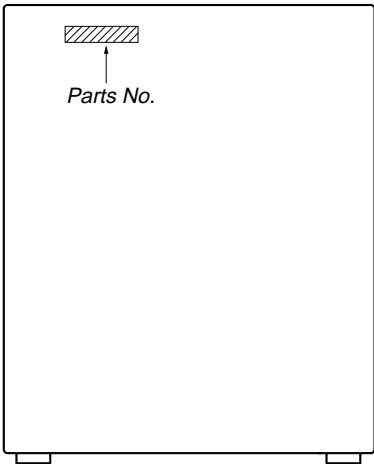
Power requirements
European model: 230 V AC, 50/60 Hz
Mexican model: 120V AC, 50/60 Hz
Australian model: 220 – 240 V AC, 50/60 Hz
Other models: 110 – 120 V or 220 – 240 V AC, 50/60 Hz Adjustable
with voltage selector

Power consumption
(HCD-DR330/DR3) 180W
(HCD-XB200) 135W
Dimensions(w/h/d) Approx. 355 × 425 × 442 mm
(14 × 16³/₄ × 17¹/₂ in) incl.
projecting parts and controls
Mass Approx. 13.1 kg (28 lb 14 oz.)

Supplied accessories
AM loop antenna (1)
Remote RM-SG7B (1)
FM wire antenna (1)

Design and specifications are subject to change without notice

MODEL IDENTIFICATION



PARTS No.	MODEL
4-222-140-0□	XB200 : AEP, UK
4-222-141-0□	XB200 : EE, CIS
4-222-142-0□	DR3 : E, SP, AR
4-222-143-0□	DR3 : AUS
4-222-144-0□	DR3 : MX
4-222-145-0□	DR330

- Abbreviation
SP : Singapore model
MX : Mexican model
AR : Argentina model
AUS : Australian model
EE : East European model

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

Flexible Circuit Board Repairing

- Keep the temperature of soldering iron around 270°C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

Laser component in this product is capable of emitting radiation exceeding the limit for Class 1.

CLASS 1 LASER PRODUCT
LUOKAN 1 LASERLAITE
KLASS 1 LASERAPPARAT

This appliance is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT MARKING is located on the rear exterior.

The following caution label is located inside the unit.

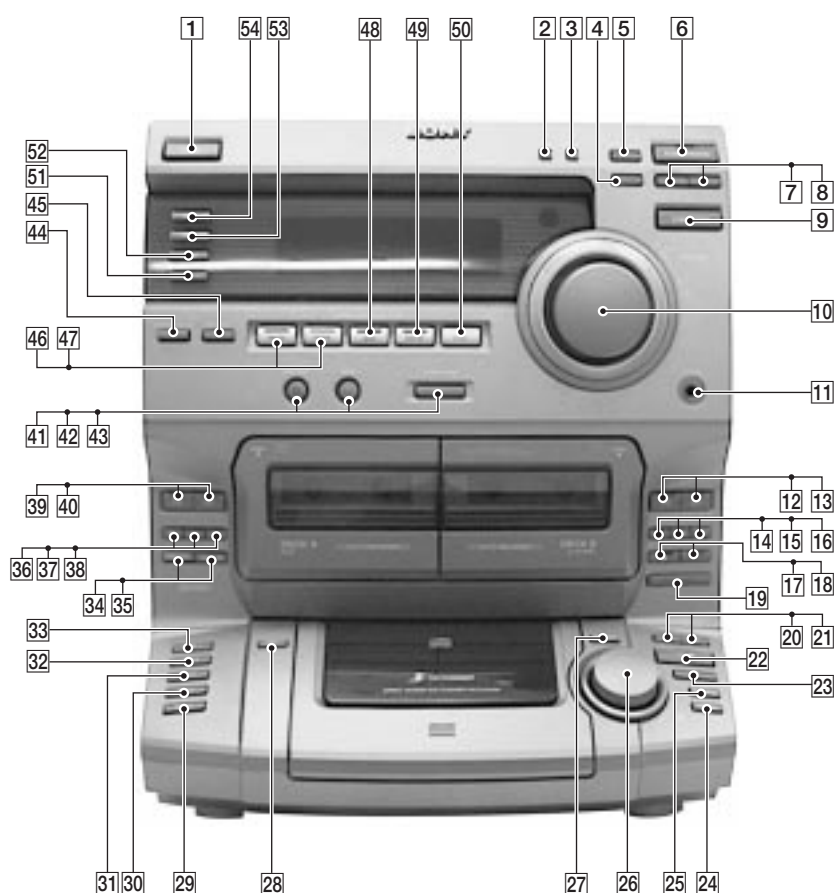
SAFETY-RELATED COMPONENT WARNING!!

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.

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SECTION 1 GENERAL

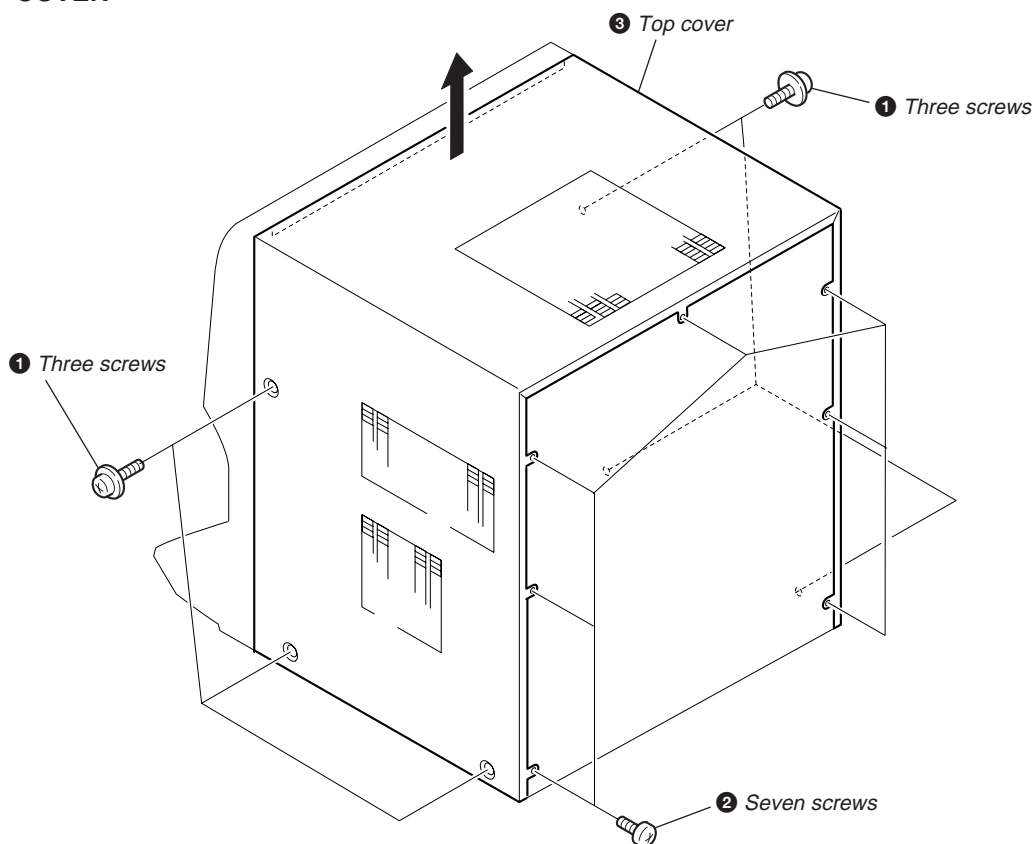


- | | | |
|---------------------------------|-----------------------------|------------------------------------|
| 1 I/⏻ (POWER) button | 19 CD SYNCHRO button | 37 ◀◀ button (DECK A) |
| 2 TUNING MODE button | 20 ◀◀ button (CD) | 38 ▶▶ button (DECK A) |
| 3 STEREO/MONO button | 21 ▶▶ button (CD) | 39 ◁ button (DECK A) |
| 4 TUNER MEMORY button | 22 ▷ button (CD) | 40 ▷ button (DECK A) |
| 5 ENTER/NEXT button | 23 ■ button (CD) | 41 GROOVE button |
| 6 TUNER/BAND button | 24 REPEAT button | 42 DBFB button |
| 7 TUNING – button | 25 PLAY MODE button | 43 SURROUND button |
| 8 TUNING + button | 26 AMS knob | 44 SPECTRUM ANALYZER button |
| 9 FUNCTION button | 27 DISC SKIP button | 45 DISPLAY/DEMO button |
| 10 VOLUME knob | 28 EDIT button | 46 ROCK button |
| 11 PHONES jack | 29 DISC 5 button | 47 POPS button |
| 12 ◁ button (DECK B) | 30 DISC 4 button | 48 JAZZ button |
| 13 ▷ button (DECK B) | 31 DISC 3 button | 49 SALSA button |
| 14 ■ button (DECK B) | 32 DISC 2 button | 50 FLAT button |
| 15 ◀◀ button (DECK B) | 33 DISC 1 button | 51 ⌚ /CLOCK SET button |
| 16 ▶▶ button (DECK B) | 34 DIRECTION button | 52 SLEEP button |
| 17 button (DECK B) | 35 DOLBY NR button | 53 TIMER REC button |
| 18 ● REC button (DECK B) | 36 ■ button (DECK A) | 54 DAILY button |

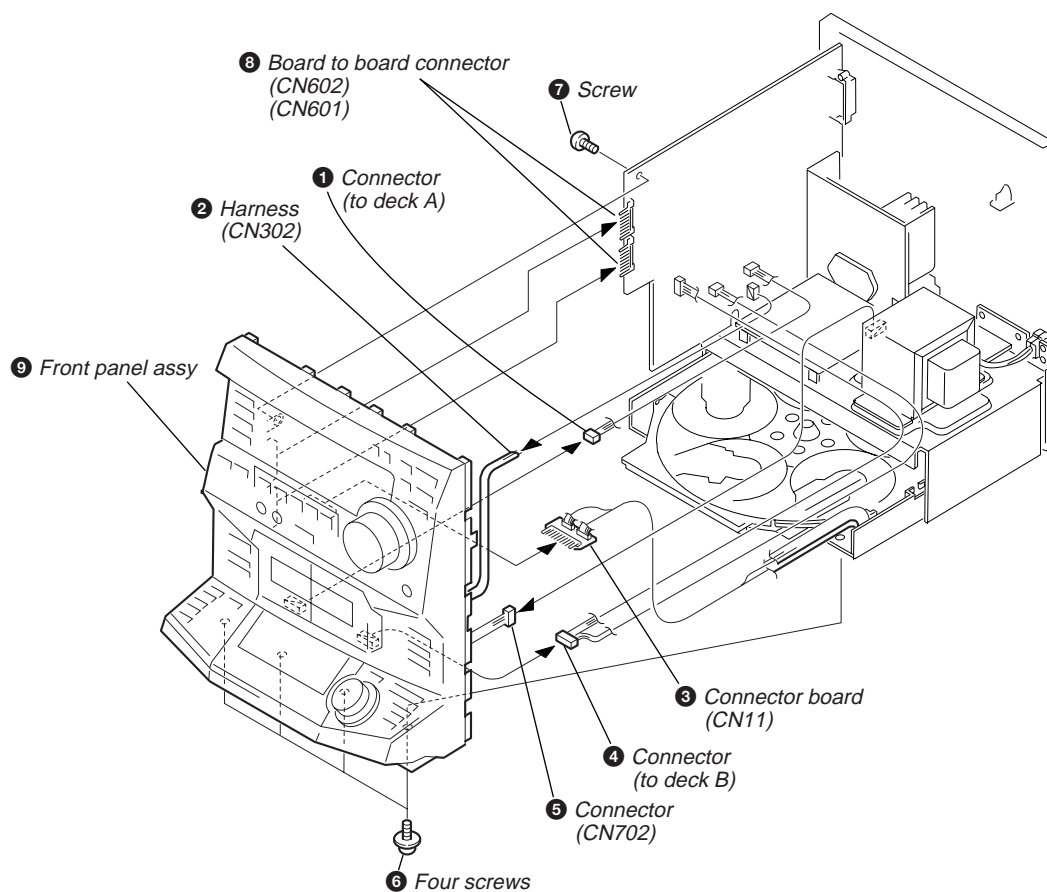
SECTION 2 DISASSEMBLY

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

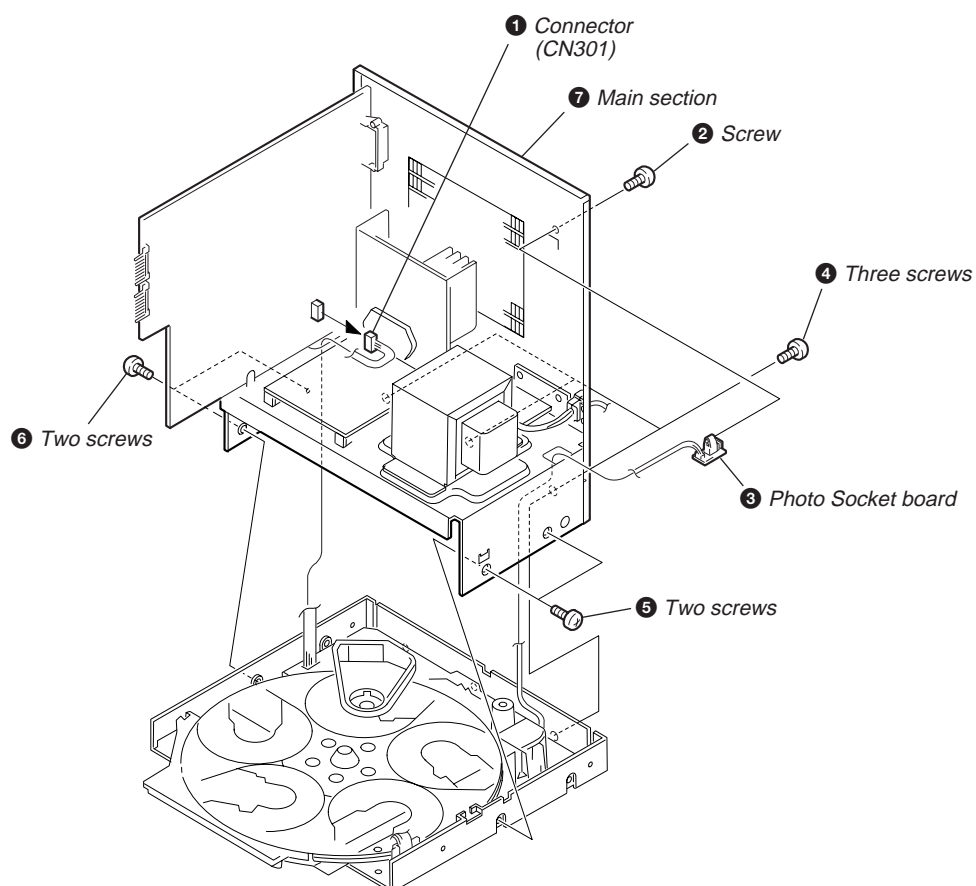
2-1. TOP COVER



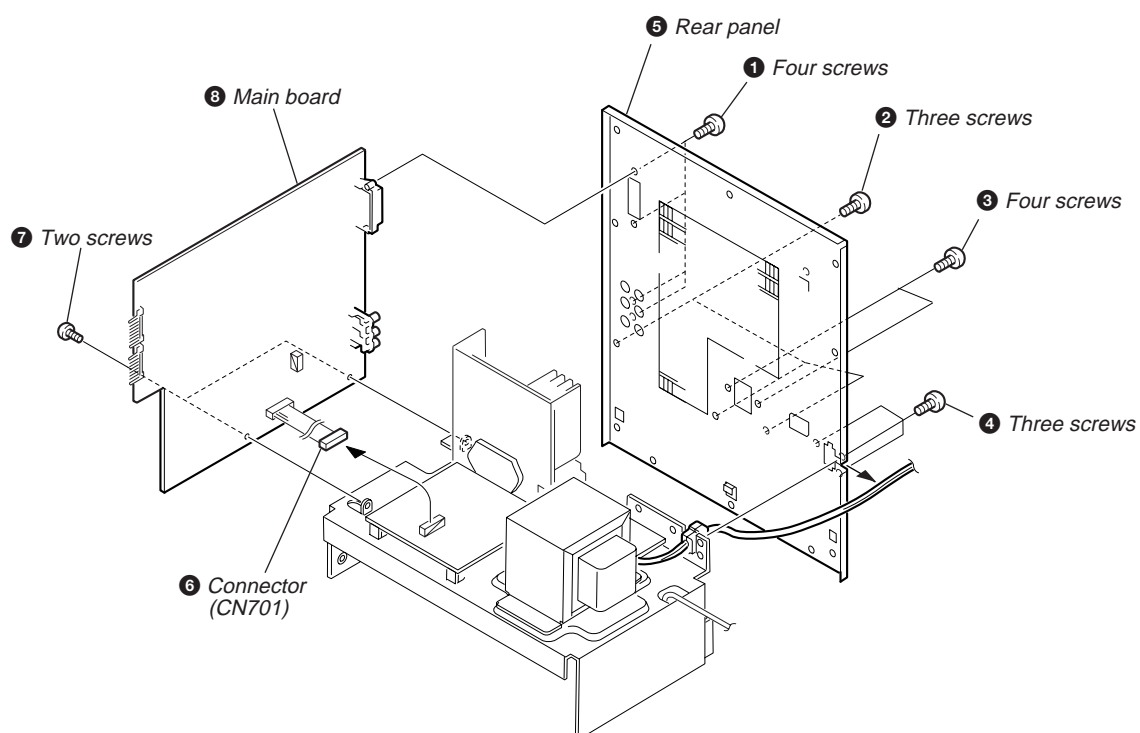
2-2. FRONT PANEL ASSY



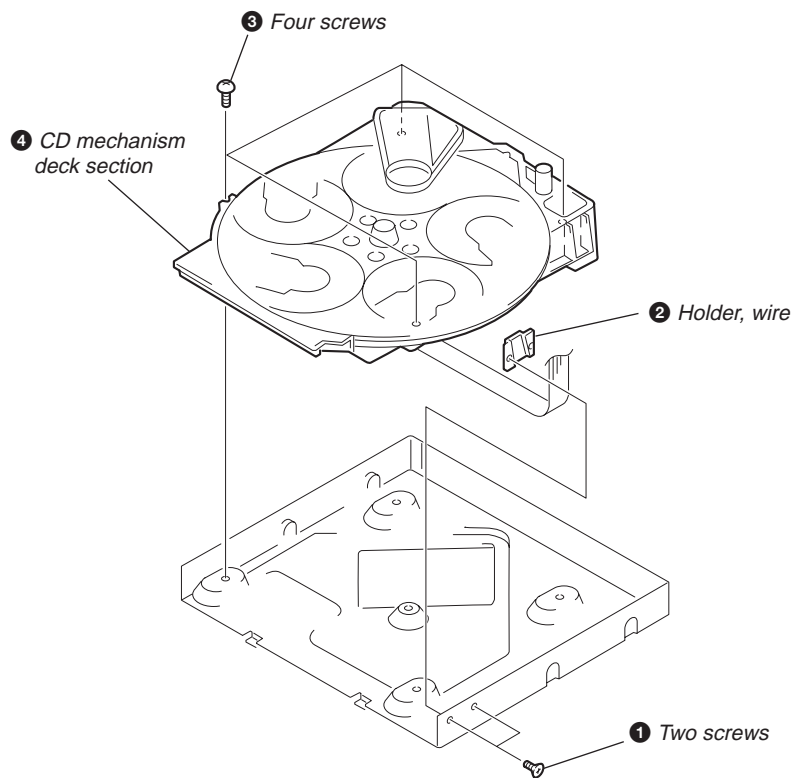
2-3. MAIN SECTION



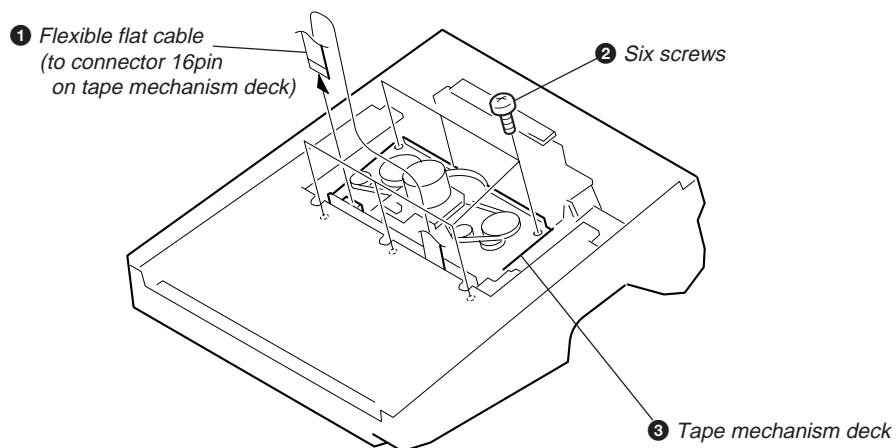
2-4. MAIN BOARD



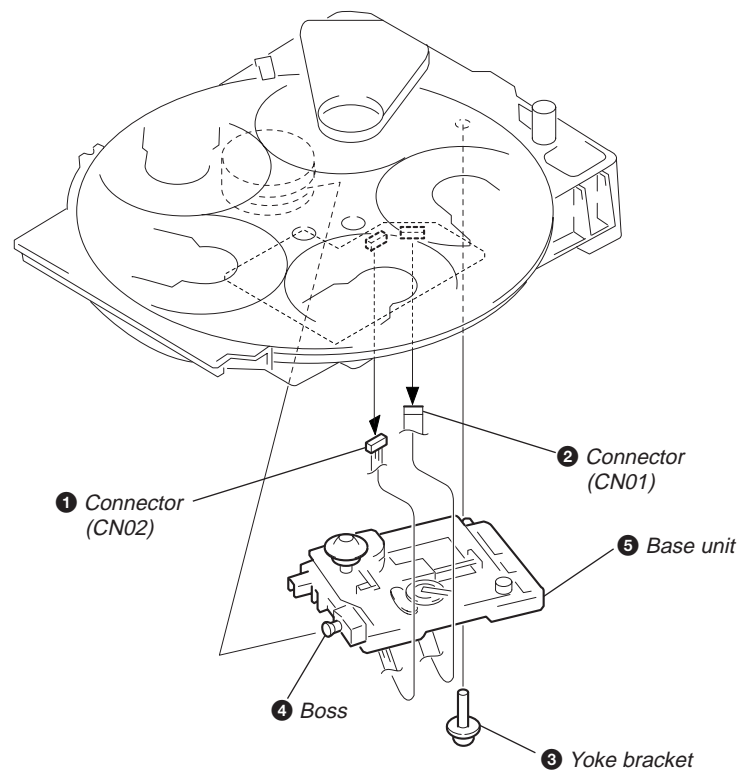
2-5. CD MECHANISM DECK SECTION



2-6. TAPE MECHANISM DECK



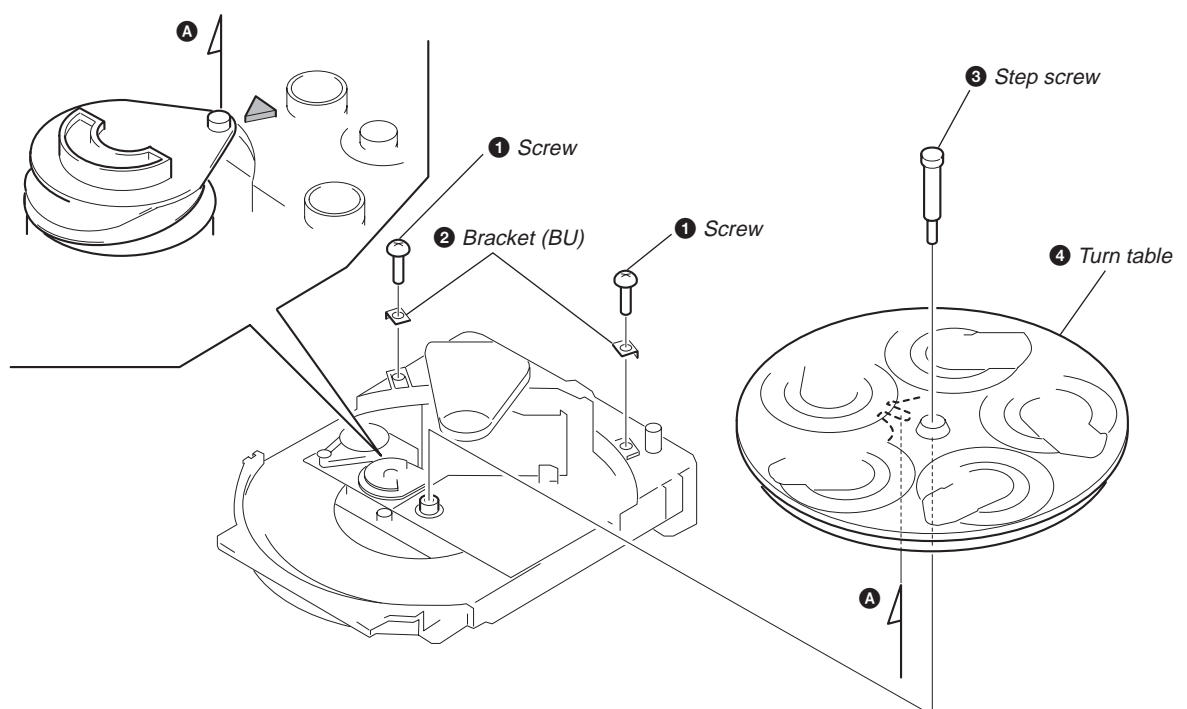
2-9. BASE UNIT



2-10. TURN TABLE

Note:

When the disc table is installed, adjust the positions of roller can and mark ► as shown in the figure, then set to the groove of disc table.



SECTION 3 MECHANICAL ADJUSTMENTS

Precaution

1. Clean the following parts with a denatured alcohol-moistened swab:
 record/playback head pinch rollers
 erase head rubber belts
 capstan idlers
2. Demagnetize the record/playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

Torque Measurement

Torque	Torque meter	Meter reading
FWD	CQ-102C	40 to 70 g • cm (0.56 - 0.97 oz • inch)
FWD back tension	CQ-102C	1 to 5 g • cm (0.01 - 0.07 oz • inch)
FF/REW	CQ-201B	55 to 140 g • cm (0.76 - 1.94 oz • inch)

SECTION 4 ELECTRICAL ADJUSTMENTS

DECK SECTION

0 dB=0.775V

1. Demagnetize the record/playback head with a head demagnetizer.
2. Do not use a magnetized screwdriver for the adjustments.
3. After the adjustments, apply suitable locking compound to the parts adjusted.
4. The adjustments should be performed with the rated power supply voltage unless otherwise noted.
5. The adjustments should be performed in the order given in this service manual. (As a general rule, playback circuit adjustment should be completed before performing recording circuit adjustment.)
6. The adjustments should be performed for both L-CH and R-CH.

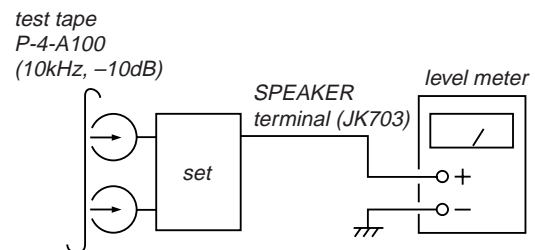
Tape	Signal	Used for
P-4-A100	10 kHz, -10 dB	Azimuth Adjustment
WS-48B	3 kHz, 0 dB	Tape Speed Adjustment

Record/Playback Head Azimuth Adjustment (Deck A, Deck B)

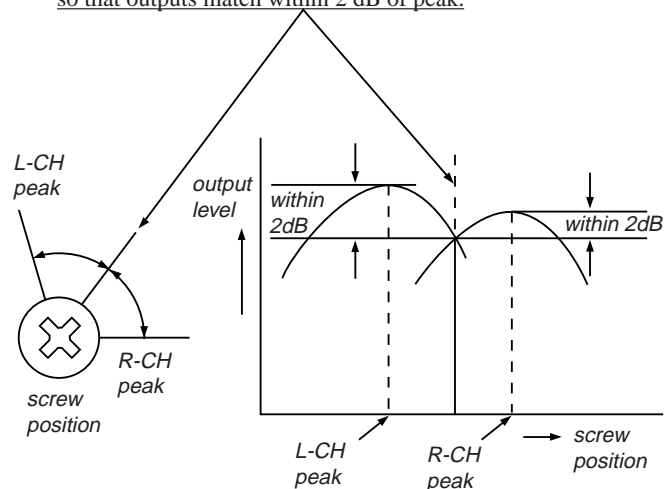
Note: Perform this adjustments for both decks.

Procedure:

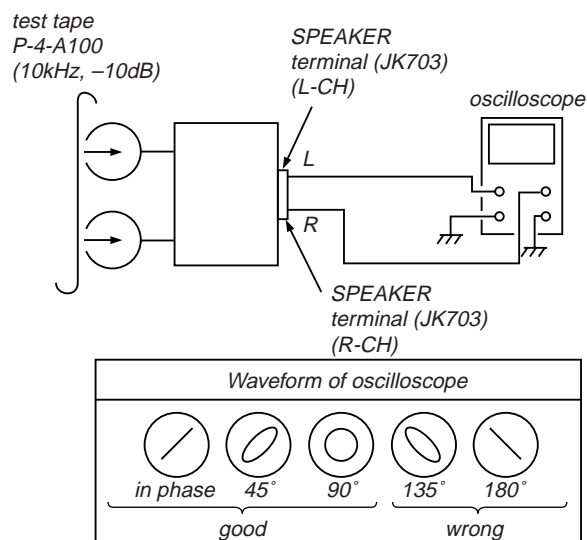
1. Mode : Playback



2. Turn the adjustment screw and check output peaks. If the peaks do not match for L-CH and R-CH, turn the adjustment screw so that outputs match within 2 dB of peak.



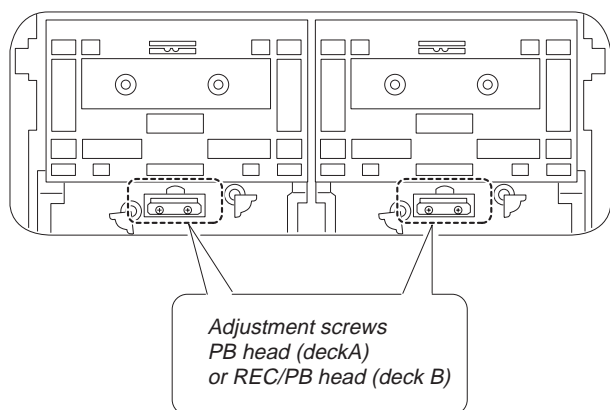
3. Mode: Playback



- After the adjustments, apply suitable locking compound to the parts adjusted.

Adjustment Location:

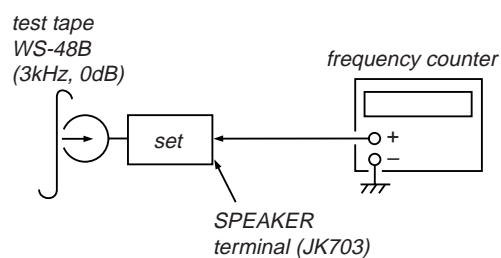
Remove the cassette lid before adjustment (See page 8)



Tape Speed Adjustment (Deck A)

Procedure:

- Mode: Playback



- Adjust the SFR601 so that the frequency counter reads 3,000 Hz \pm 90Hz.

Adjustment Location: FRONT board

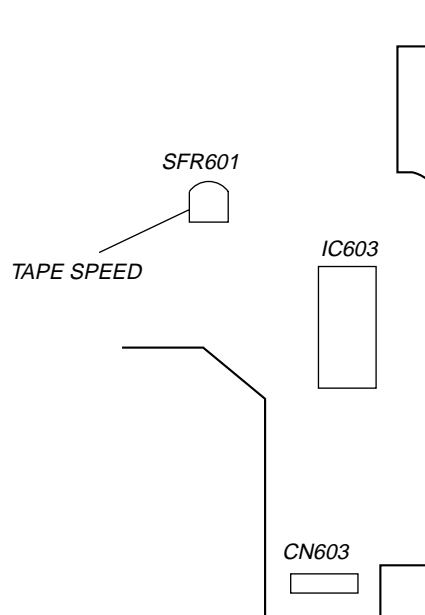
Sample Value of Wow and flutter

W. RMS (JIS) within 0.3%

(test tape: WS-48B)

Adjustment Location: FRONT board

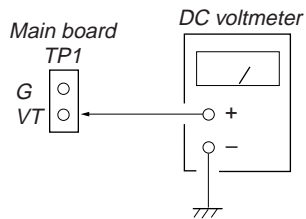
[FRONT BOARD] — Component side —



TUNER SECTION

0 dB=1 μ V

AM Tuning Voltage Adjustment

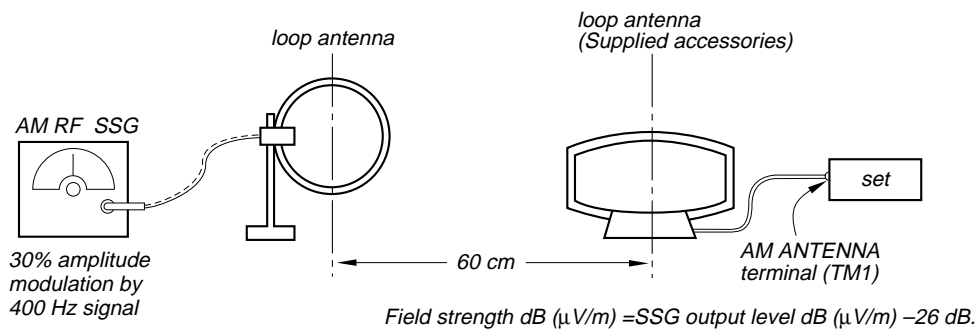


Procedure:

1. Set the reception frequency of the unit to 530 kHz.
2. Adjust L105 for 1.2 ± 0.05 V reading on the DC voltmeter.
3. Set the reception frequency of the unit to 1,710 kHz.
4. Confirm that the voltage reading on the DC voltmeter is within 8.0 ± 0.5 V.

Adjustment Location: MAIN board (See page 13)

AM Tracking Adjustment

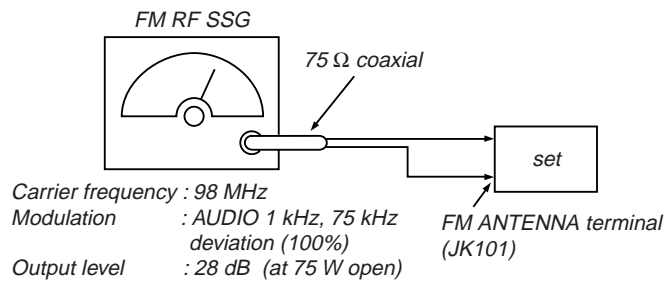


Procedure:

1. Tune the set to 600 kHz.
 2. Set the output of AM RF SSG so that the input level of the set will become 60 dB (μ V/m).
 3. Adjust L104 so that when the waveform on the oscilloscope is maximum, no noise appears.
 4. Tune the set to 1,400 kHz.
 5. Adjust TC102 so that when the waveform on the oscilloscope is maximum, no noise appears.
- Repeat the procedures in each adjustment several times, and the tracking adjustment should be finally done by the trimmer capacitors.

Adjustment Location: MAIN board (See page 13)

FM Tuned Level Adjustment



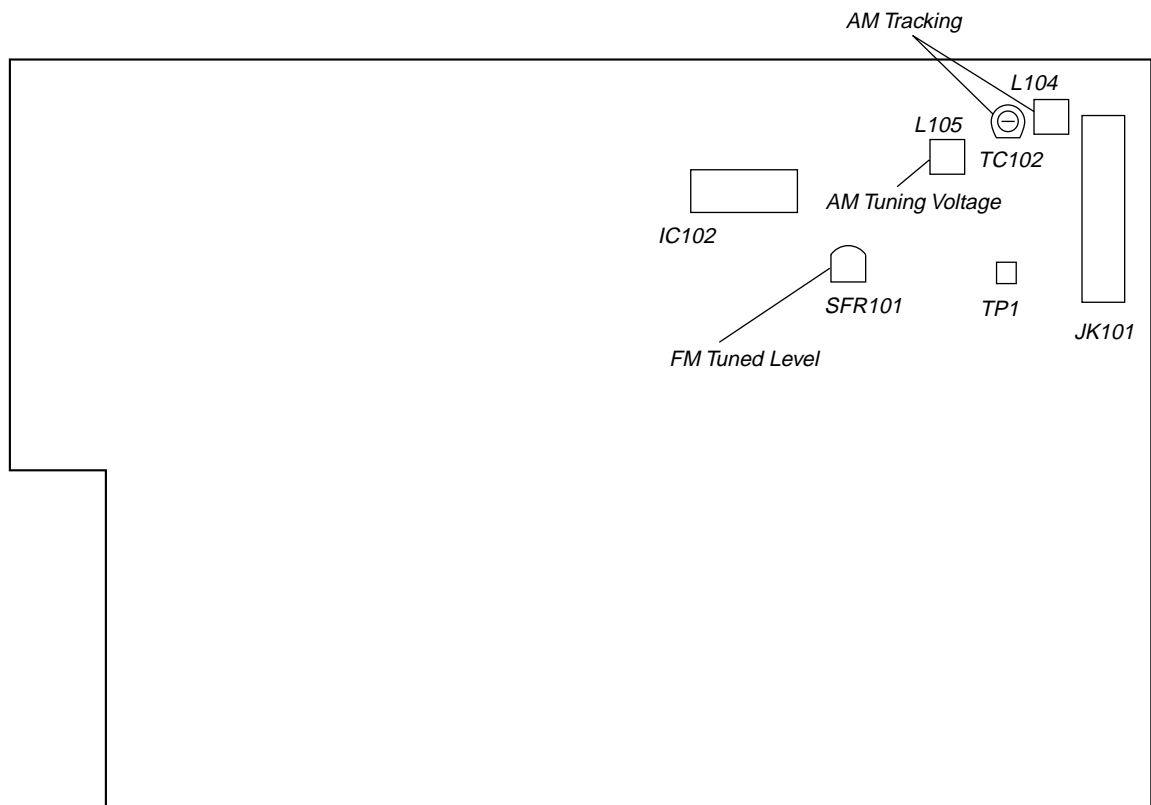
Procedure:

1. Supply a 28 dB 98 MHz signal from the ANTENNA terminal.
2. Tune the set to 98 MHz.
3. Adjust SFR101 to the point (moment) when the TUNED indicator will change from going off to going on.

Adjustment Location: MAIN board

Adjustment Location

[MAIN BOARD] — Component side —

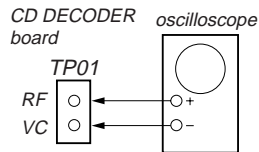


CD SECTION

Note:

1. CD Block is basically constructed to operate without adjustment. Therefore, check each item in order given.
2. Use YEDS-18 disc (3-702-101-01) unless otherwise indicated.
3. Use an oscilloscope with more than $10M\Omega$ impedance.
4. Clean the object lens by an applicator with neutral detergent when the signal level is low than specified value with the following checks.
5. Adjust the focus bias adjustment when optical pick-up block is replaced.

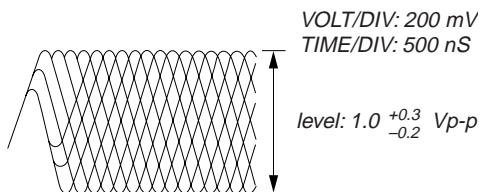
RF Level Check



Procedure :

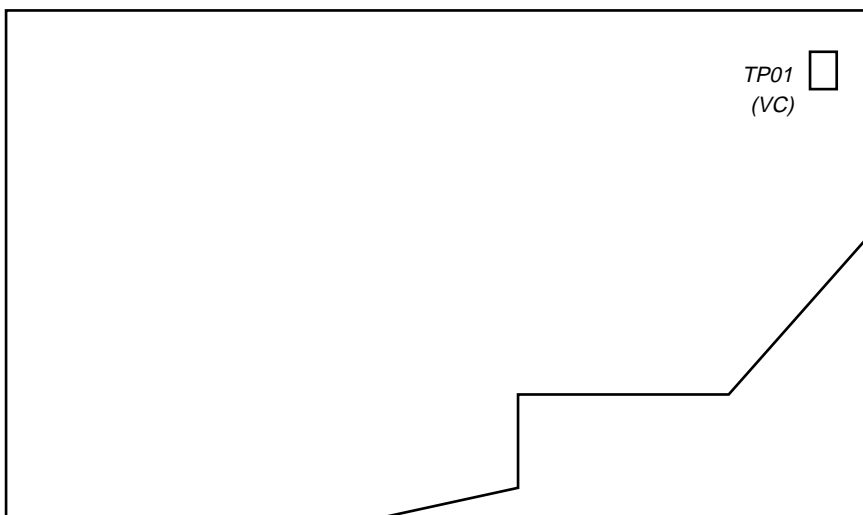
1. Connect oscilloscope to test point TP01 on CD DECODER board.
2. Turned Power switch on.
3. Put disc (YEDS-18) in and playback.
4. Confirm that oscilloscope waveform is clear and check RF signal level is correct or not.

Note: Clear RF signal waveform means that the shape “ \diamond ” can be clearly distinguished at the center of the waveform.



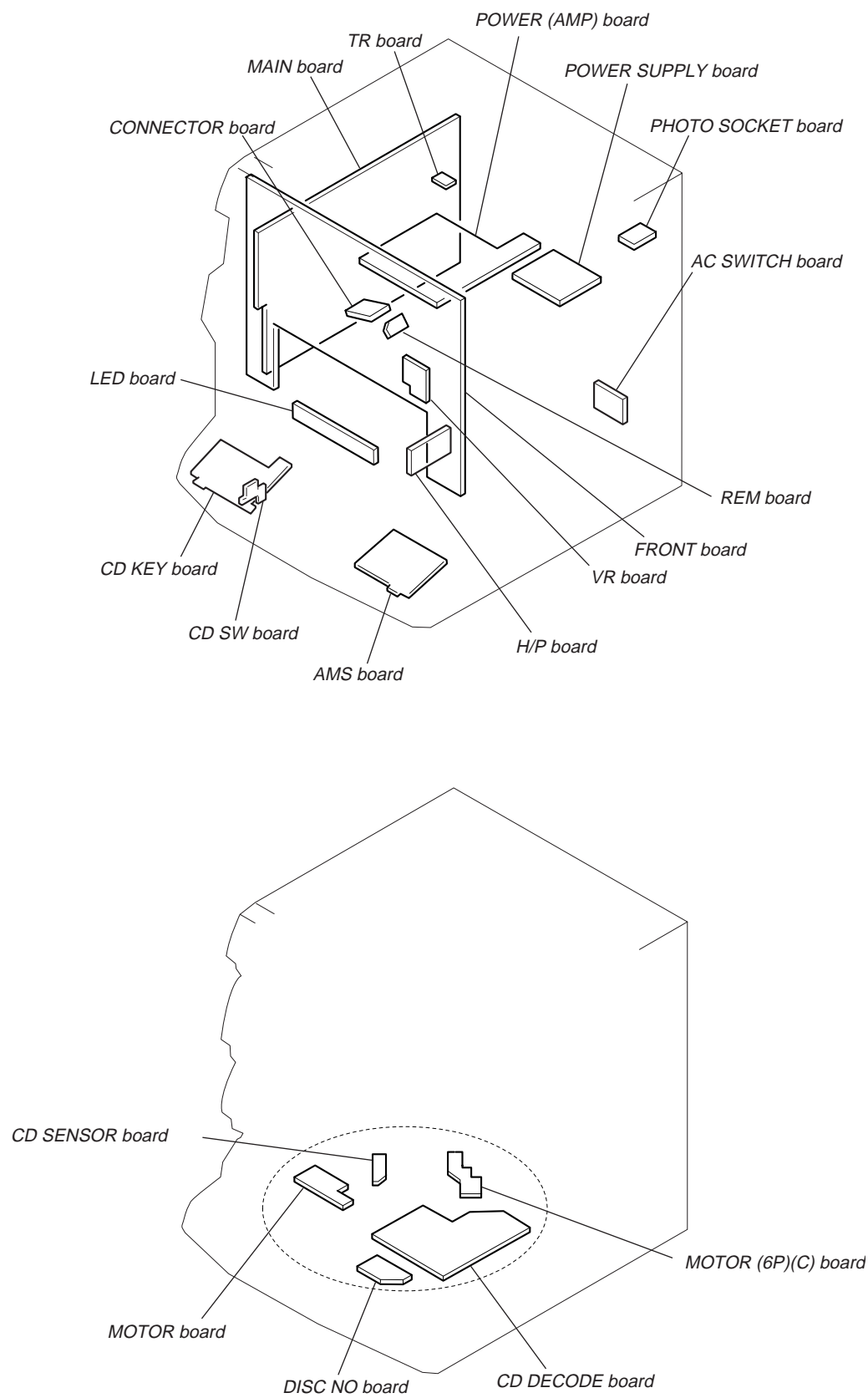
Adjustment Location:

[CD DECODER BOARD] — Component side —



SECTION 5
DIAGRAMS




5-1. 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: μpF
- 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.

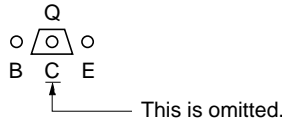
The components identified by mark Δ or dotted
line with mark Δ are critical for safety.
Replace only with part number specified.

-  : B+ Line.
-  : B- Line.
-  : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- Voltages are taken with a VOM (Input impedance $10\text{M}\Omega$). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
- Circled numbers refer to waveforms.
- Signal path.
 -  : FM
 -  : AM
 -  : PB (DECK A)
 -  : PB (DECK B)
 -  : REC (DECK B)
 -  : CD
 -  : MD/VIDEO
 -  : PHONO

For printed wiring boards.

Note:

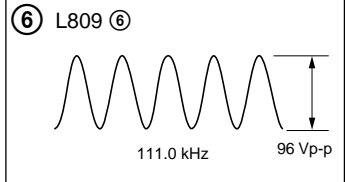
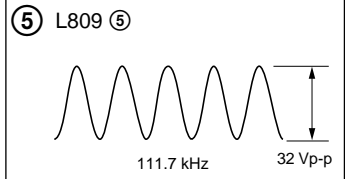
-  : parts extracted from the component side.
-  : Through hole.
- Δ : internal component.
-  : Pattern from the side which enables seeing.
- Indication of transistor.



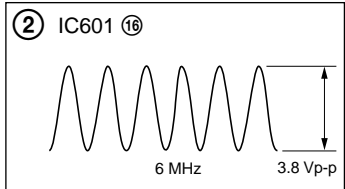
- Abbreviation
 - SP : Singapore model
 - MX : Mexican model
 - AR : Argentina model
 - AUS : Australian model

• Waveform

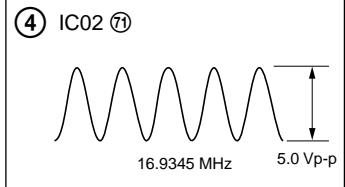
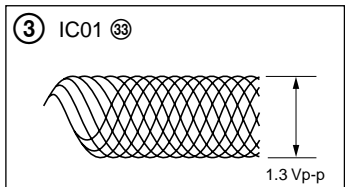
MAIN BOARD



FRONT BOARD



CD DECODE BOARD



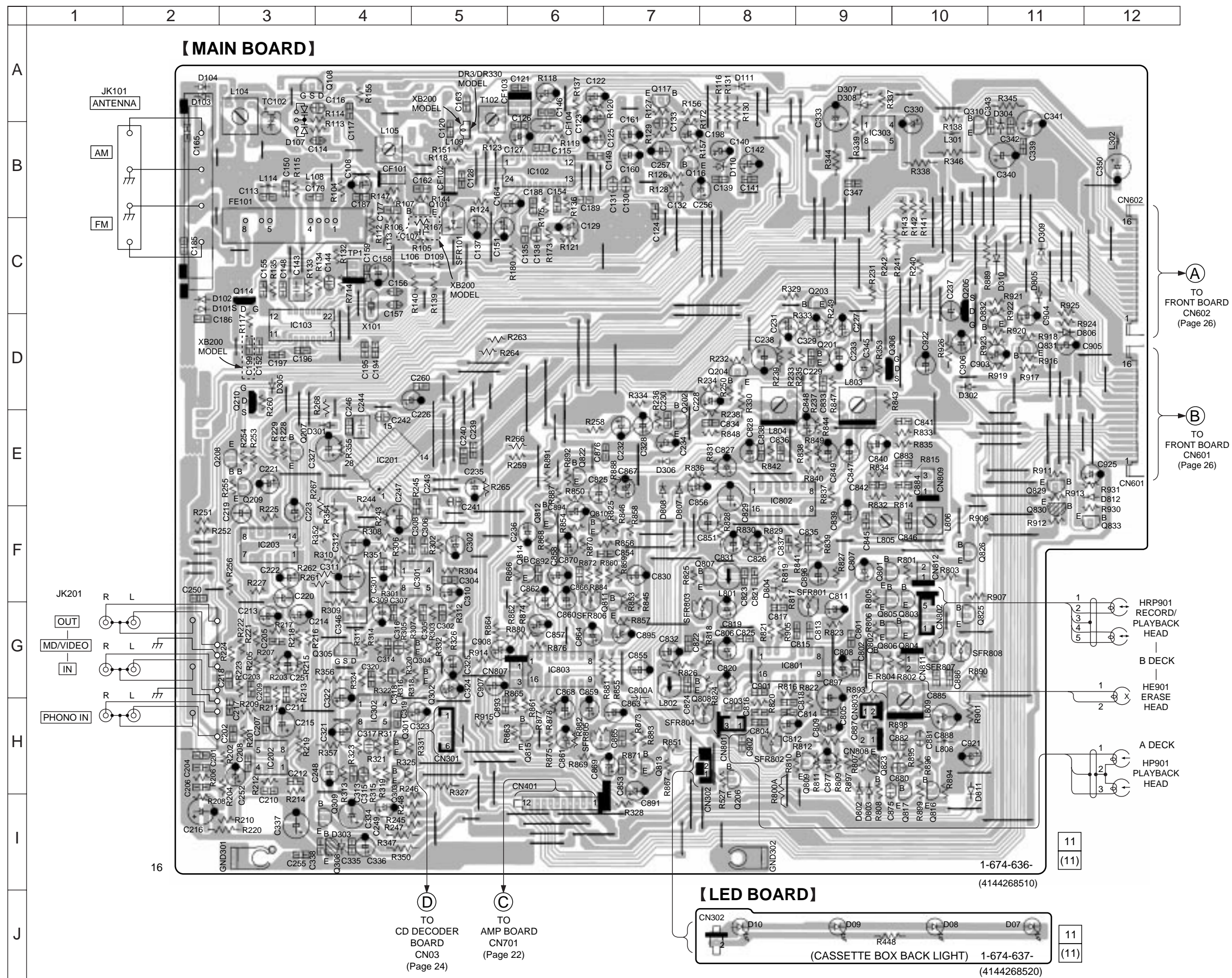




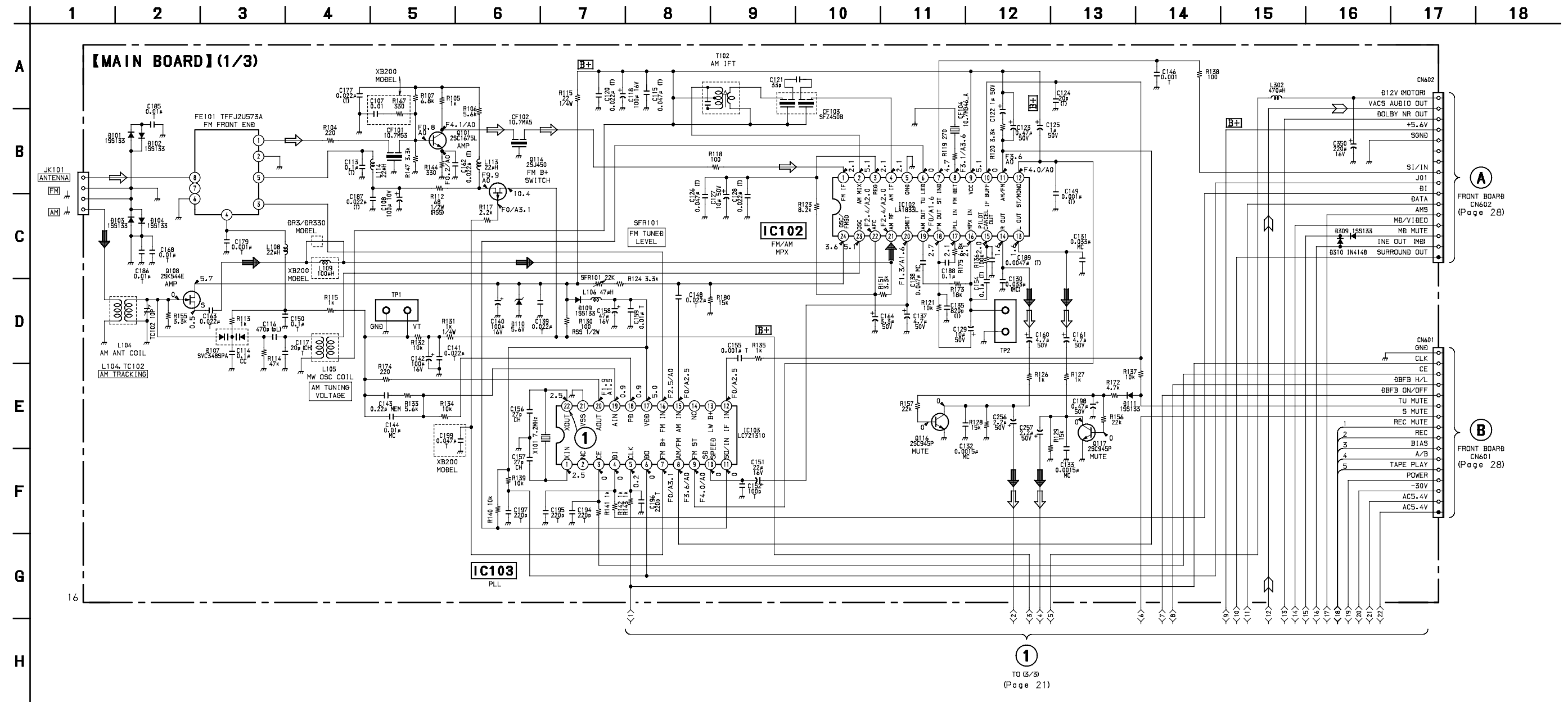
MAIN SECTION

- Refer to page 15 for Circuit Boards Location.

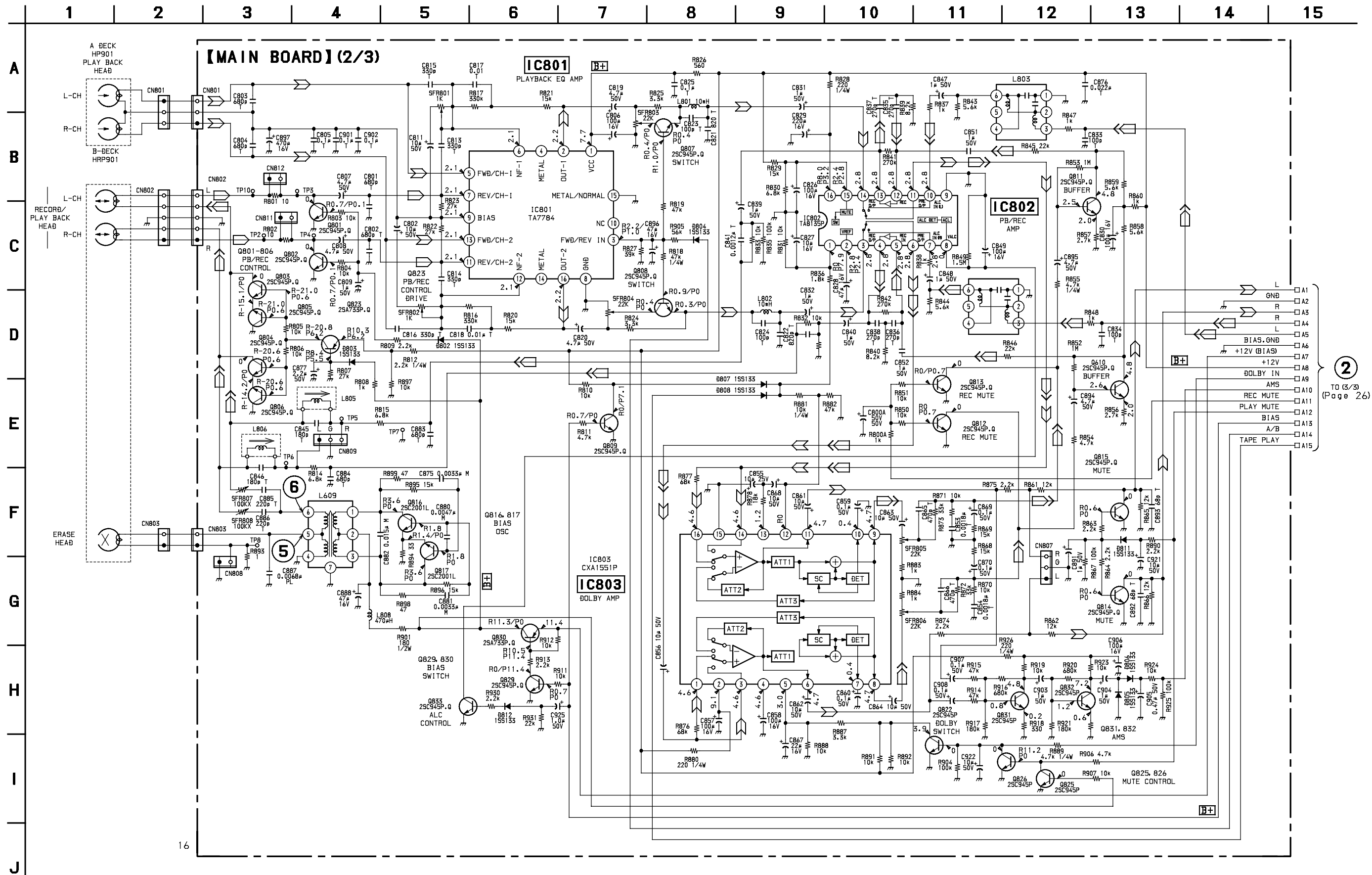
Ref. No.	Location	Ref. No.	Location
D07	J-11	Q116	B-7
D08	J-10	Q117	A-7
D09	J-9	Q201	D-9
D10	J-8	Q202	E-7
D101	C-2	Q203	C-9
D102	C-2	Q204	D-8
D103	A-2	Q205	C-10
D104	A-2	Q206	H-8
D107	B-3	Q207	E-3
D109	C-5	Q208	E-3
D110	B-8	Q209	E-3
D111	A-8	Q210	D-3
D301	E-4	Q301	H-4
D302	D-10	Q302	G-5
D303	I-4	Q303	H-4
D304	B-11	Q304	G-5
D305	D-3	Q305	G-4
D306	E-7	Q306	D-10
D307	A-9	Q308	I-4
D308	A-9	Q309	I-4
D309	C-11	Q310	A-10
D310	C-11	Q801	F-10
D802	I-9	Q802	G-9
D803	I-9	Q803	G-10
D804	F-8	Q804	G-10
D805	C-11	Q805	G-10
D806	D-11	Q806	G-10
D807	E-7	Q807	F-8
D808	E-7	Q808	G-7
D811	I-10	Q809	H-9
D812	F-12	Q810	F-6
		Q811	G-7
IC102	B-6	Q812	F-6
IC103	D-3	Q813	H-7
IC201	E-4	Q814	F-6
IC202	H-3	Q815	H-6
IC203	F-3	Q816	I-10
IC301	F-4	Q817	I-10
IC302	H-4	Q822	E-6
IC303	B-9	Q825	G-10
IC801	G-8	Q826	F-10
IC802	F-8	Q829	E-11
IC803	G-6	Q830	E-11
		Q831	D-11
Q101	B-5	Q832	D-11
Q108	A-3	Q833	F-12
Q114	C-3		



5-4. SCHEMATIC DIAGRAM MAIN (1/3) SECTION • Refer to page 15 for Waveform. • Refer to page 31 for IC Block Diagrams.



5-5. SCHEMATIC DIAGRAM MAIN (2/3) SECTION • Refer to page 15 for Waveform. • Refer to page 18 for Printed Wiring Board.



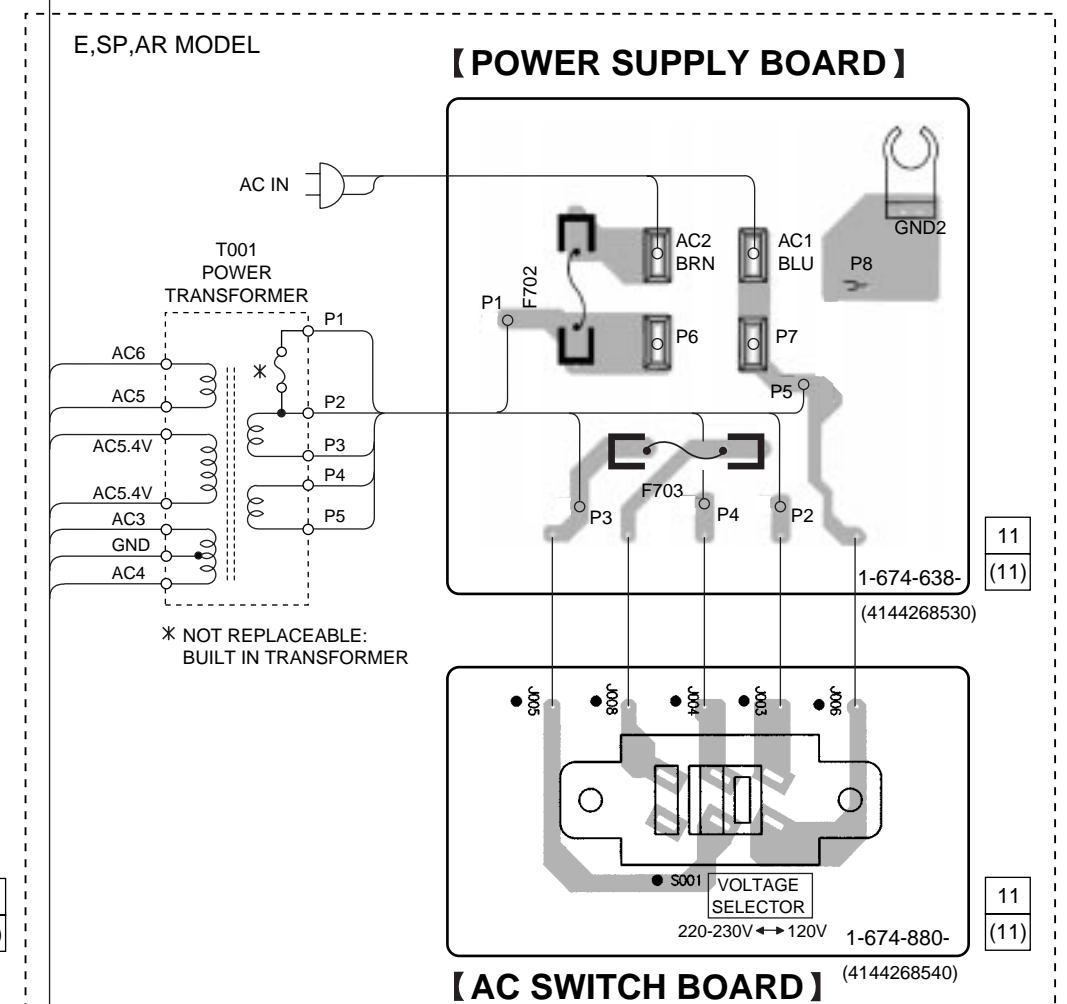
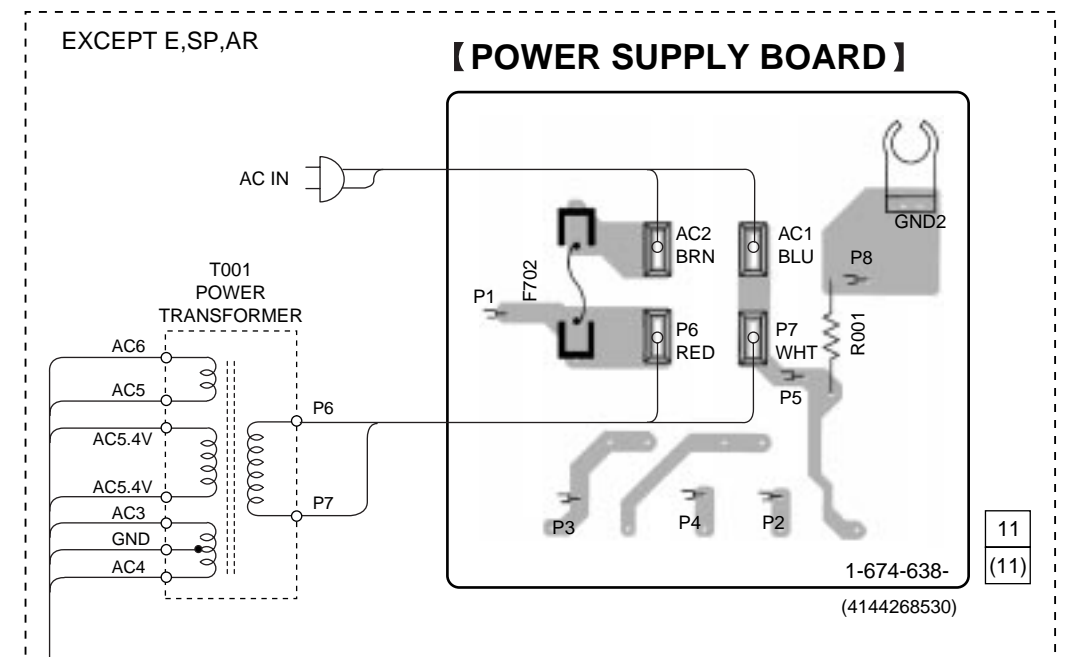
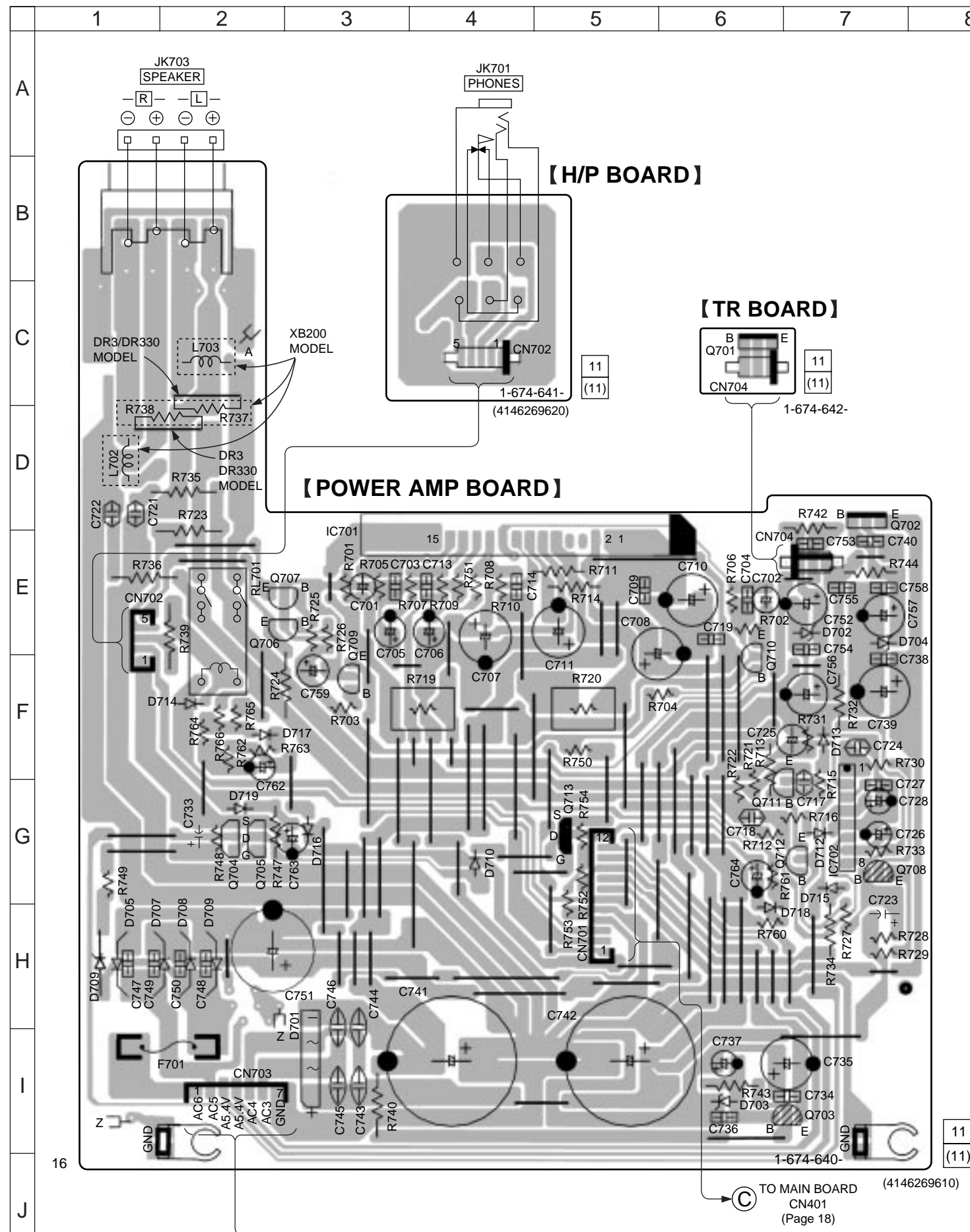


5-7. PRINTED WIRING BOARD AMP SECTION

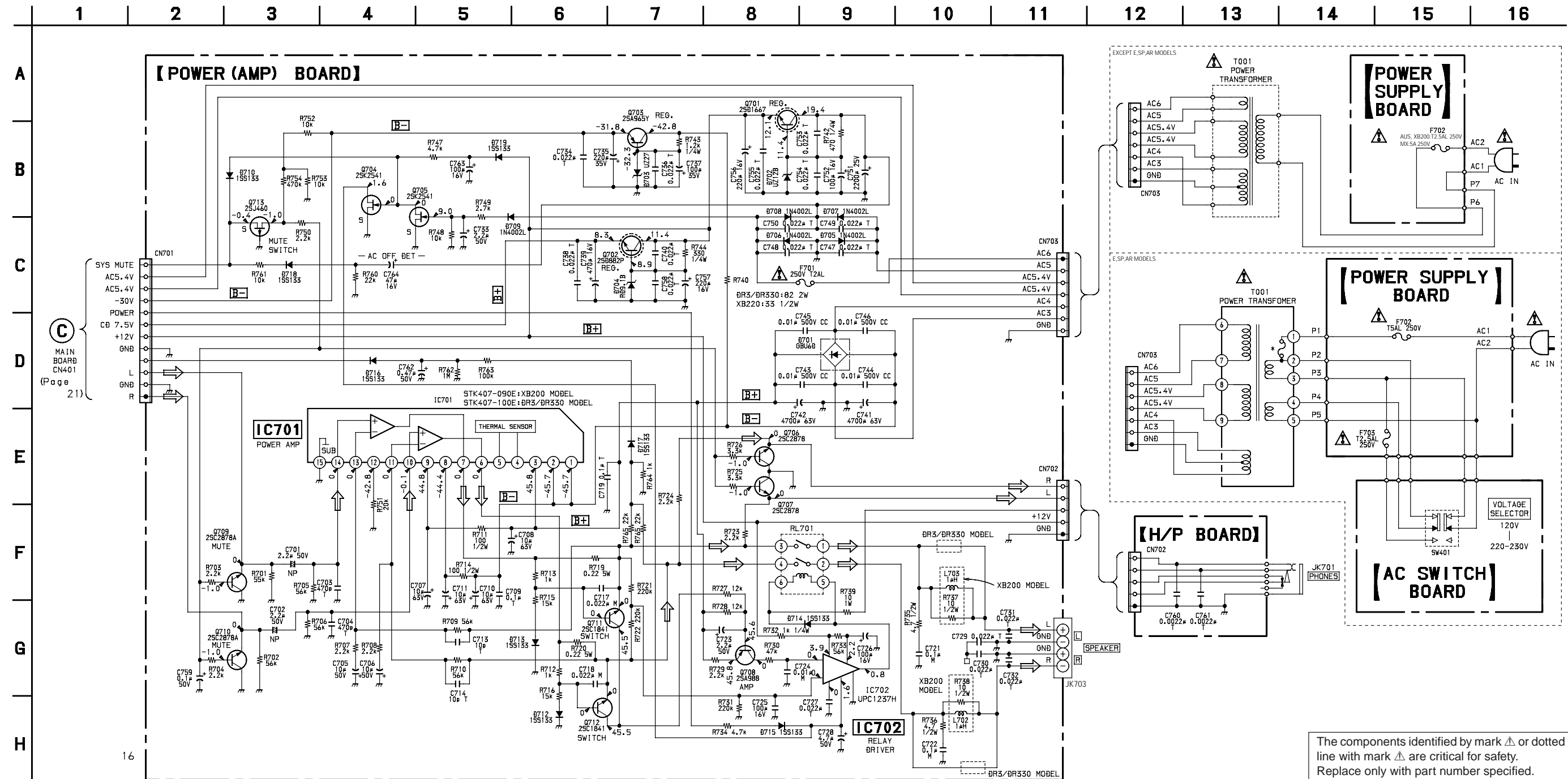
- Refer to page 15 for Circuit Boards Location.

- **Semiconductor Location**

Ref. No.	Location
D701	H-3
D702	E-7
D703	I-6
D704	E-7
D705	H-1
D706	H-2
D707	H-1
D708	H-2
D709	H-1
D710	G-4
D712	G-7
D713	F-7
D714	F-2
D715	G-7
D716	G-3
D717	F-2
D718	H-6
D719	G-2
IC701	E-3
IC702	G-7
Q701	C-6
Q702	D-7
Q703	I-7
Q704	G-2
Q705	G-2
Q706	E-2
Q707	E-2
Q708	G-7
Q709	F-3
Q710	F-6
Q711	G-6
Q712	G-7
Q713	G-5



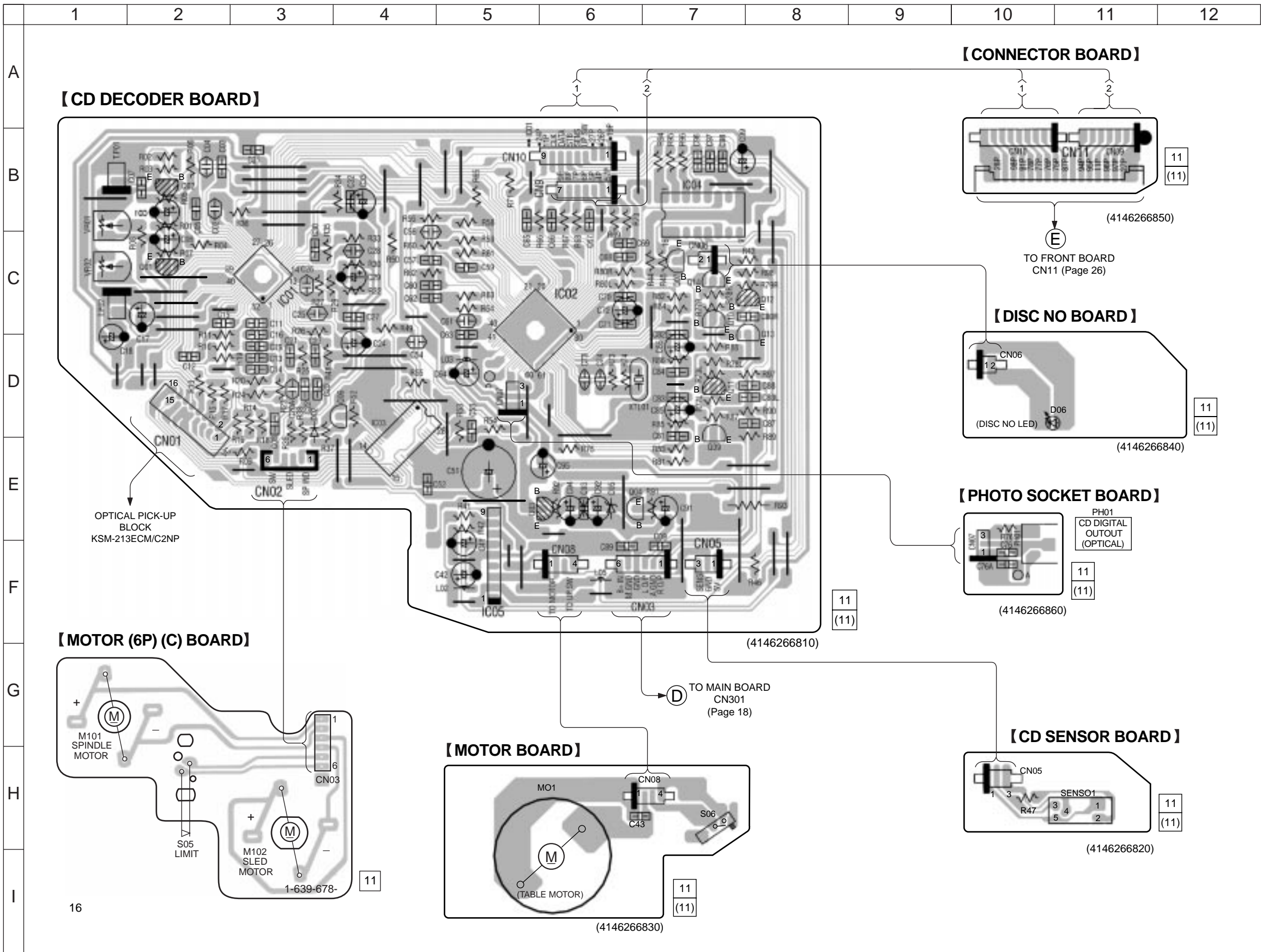
5-8. SCHEMATIC DIAGRAM AMP SECTION • Refer to page 32 for IC Block Diagram.



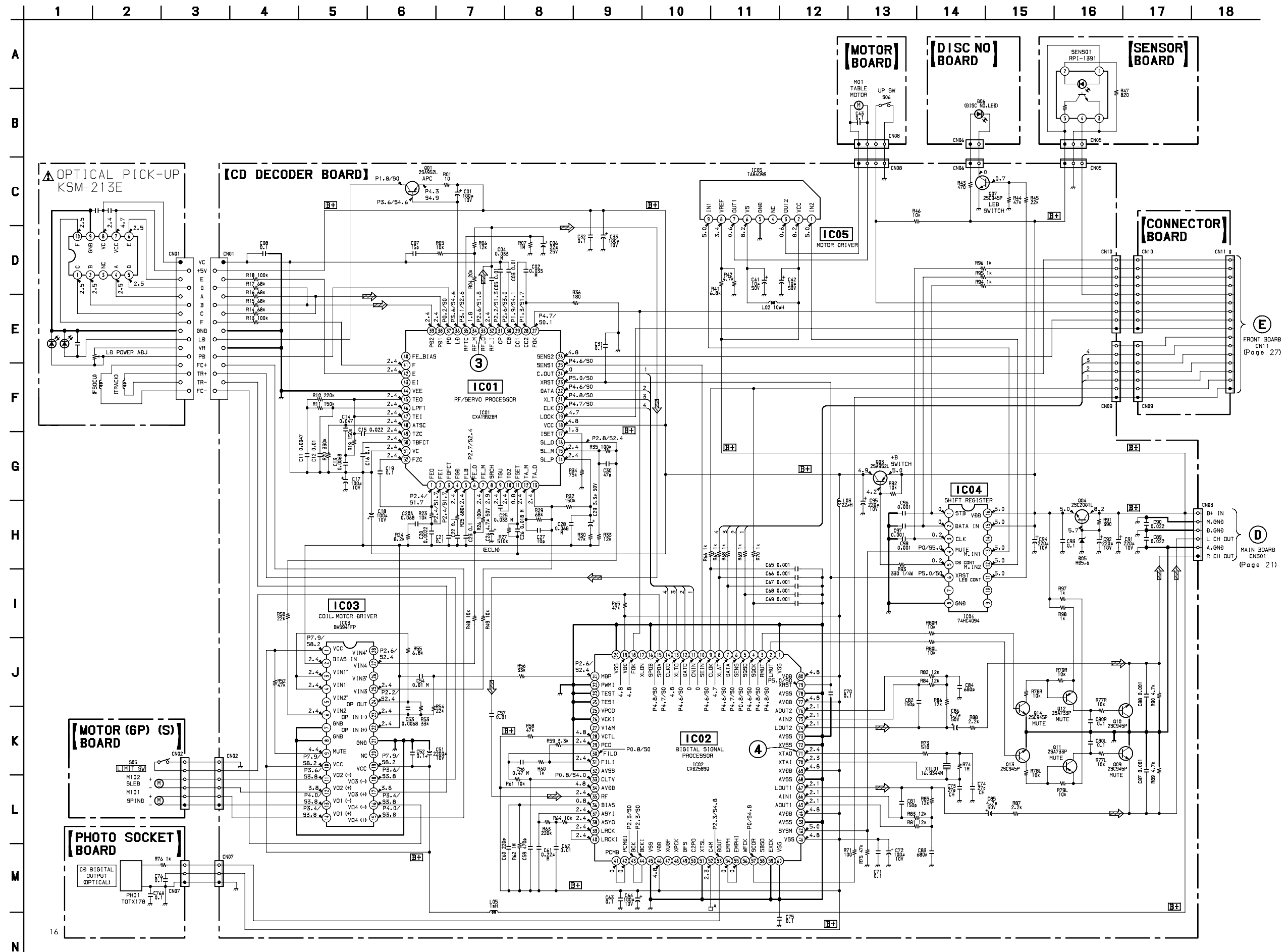
5-9. PRINTED WIRING BOARD CD DECORD SECTION • Refer to page 15 for Circuit Boards Location.

• Semiconductor Location

Ref. No.	Location
D02	D-3
D05	E-6
D06	D-11
IC01	C-3
IC02	C-6
IC03	D-4
IC04	B-7
IC05	F-5
Q01	C-2
Q02	B-2
Q03	E-5
Q04	E-6
Q06	D-4
Q07	C-7
Q09	D-7
Q10	C-7
Q11	D-7
Q12	C-8
Q13	D-8
Q14	C-7



5-10. SCHEMATIC DIAGRAM CD DECORD SECTION • Refer to page 15 for Waveforms.

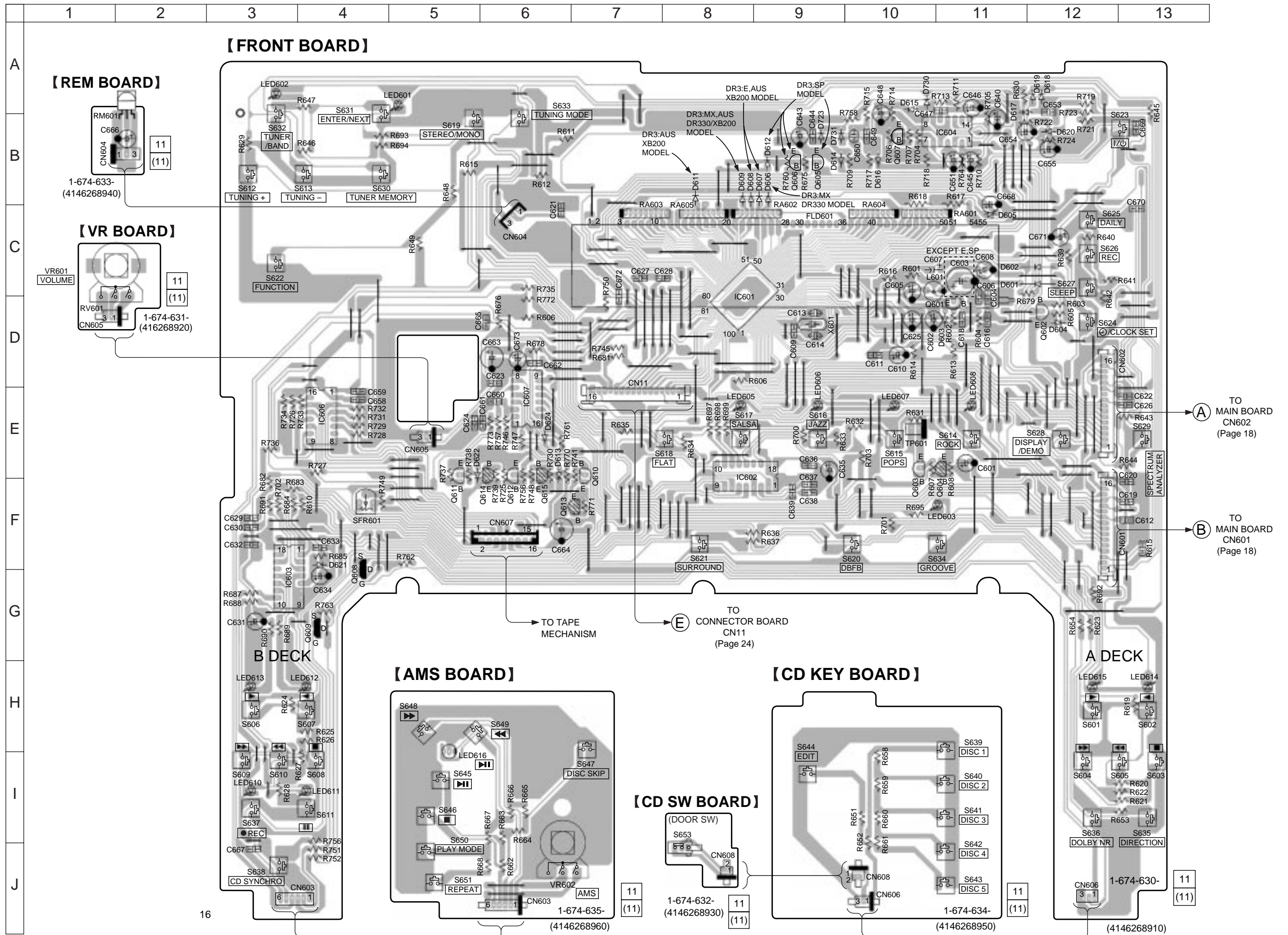


The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

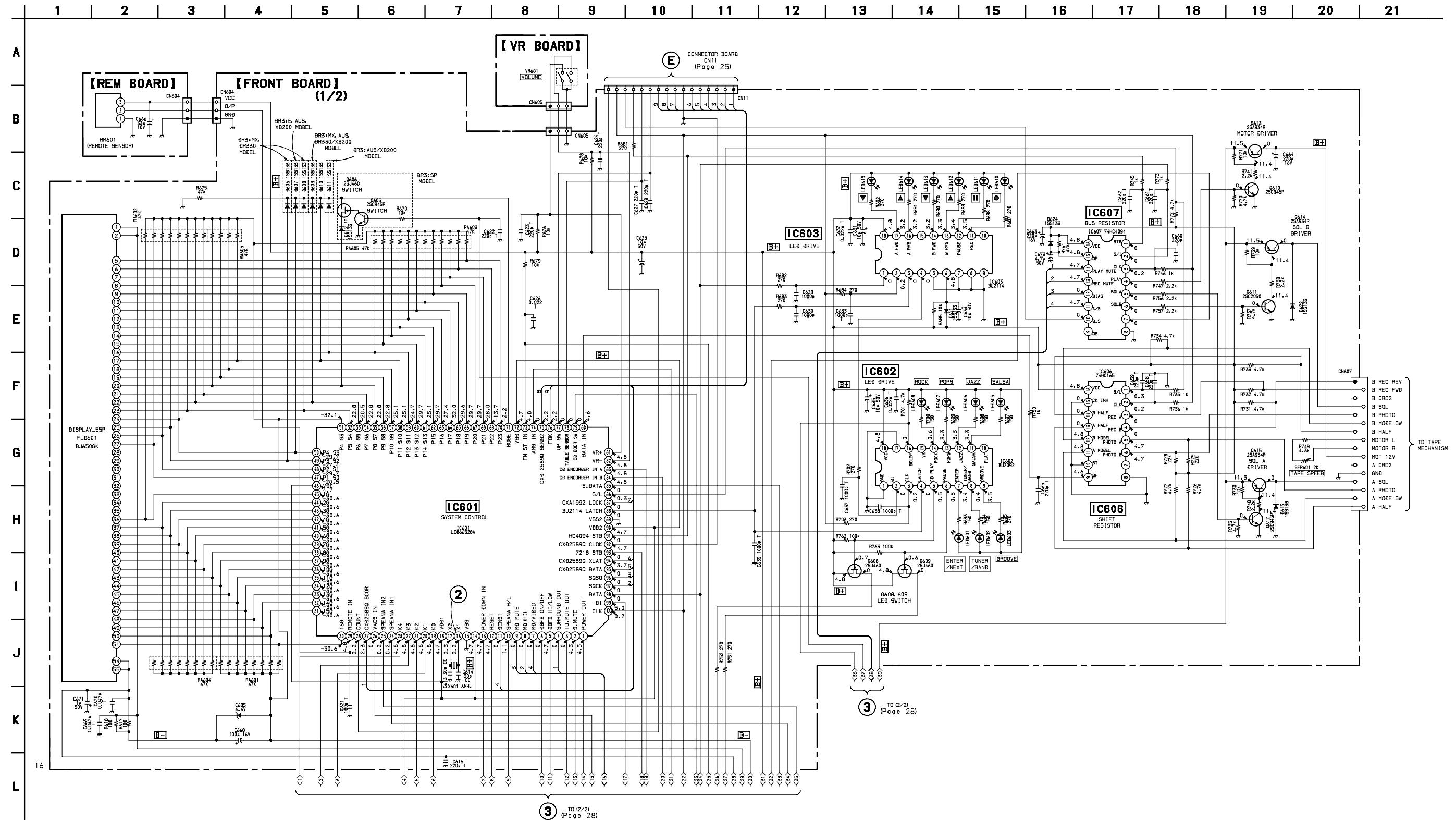
5-11. PRINTED WIRING BOARD FRONT SECTION • Refer to page 15 for Circuit Boards Location.

- **Semiconductor Location**

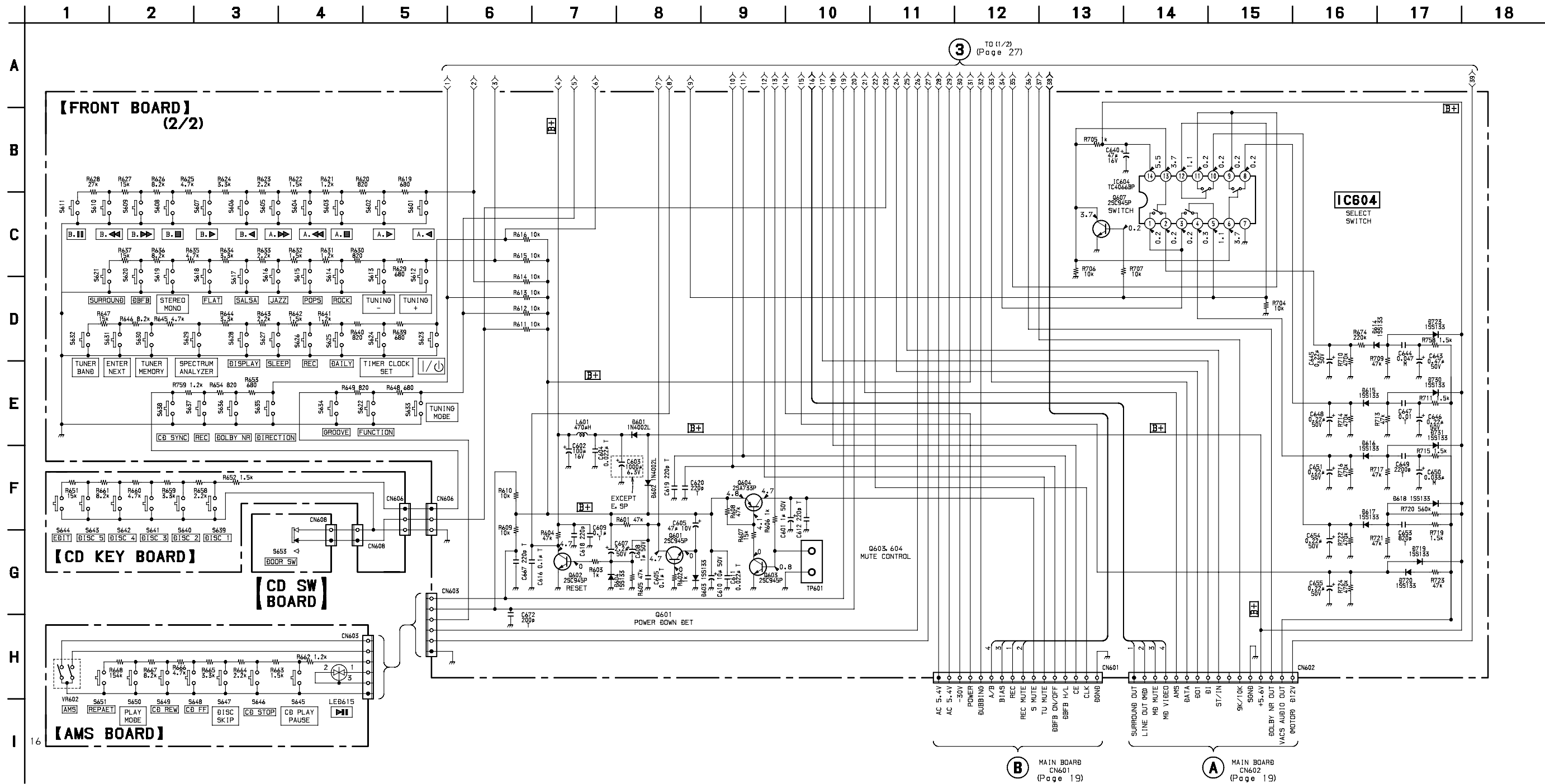
Ref. No.	Location
D601	C-11
D602	C-11
D603	D-10
D604	D-12
D605	C-11
D606	B-9
D608	B-8
D609	B-8
D612	B-9
D613	E-6
D614	B-9
D615	A-10
D616	B-10
D617	B-11
D618	A-12
D619	A-12
D620	B-12
D621	F-4
D622	E-5
D624	E-6
D723	B-9
D730	A-10
D731	B-9
LED601	A-5
LED602	A-3
LED603	F-10
LED605	E-8
LED606	E-9
LED607	E-10
LED608	E-11
LED610	I-3
LED611	I-4
LED612	H-4
LED613	H-3
LED614	H-12
LED615	H-12
LED616	I-5
IC601	D-8
IC602	F-8
IC603	G-3
IC604	B-11
IC606	E-4
IC607	E-6
Q601	D-11
Q602	D-12
Q603	E-10
Q604	E-10
Q607	B-10
Q608	G-4
Q609	G-4
Q610	F-7
Q611	F-5
Q612	F-6
Q613	F-6
Q614	E-6
Q615	F-6



5-12. SCHEMATIC DIAGRAM FRONT (1/2) SECTION • Refer to page 15 for Waveform. • Refer to page 29 for IC Pin Function Description. • Refer to page 32 for IC Block Diagrams.



5-13. SCHEMATIC DIAGRAM FRONT (2/2) SECTION • Refer to page 26 for Printed Wiring Board.



5-14. IC PIN FUNCTION DESCRIPTION

IC601 LC866540A-5K40 SYSTEM CONTROL (FRONT board)

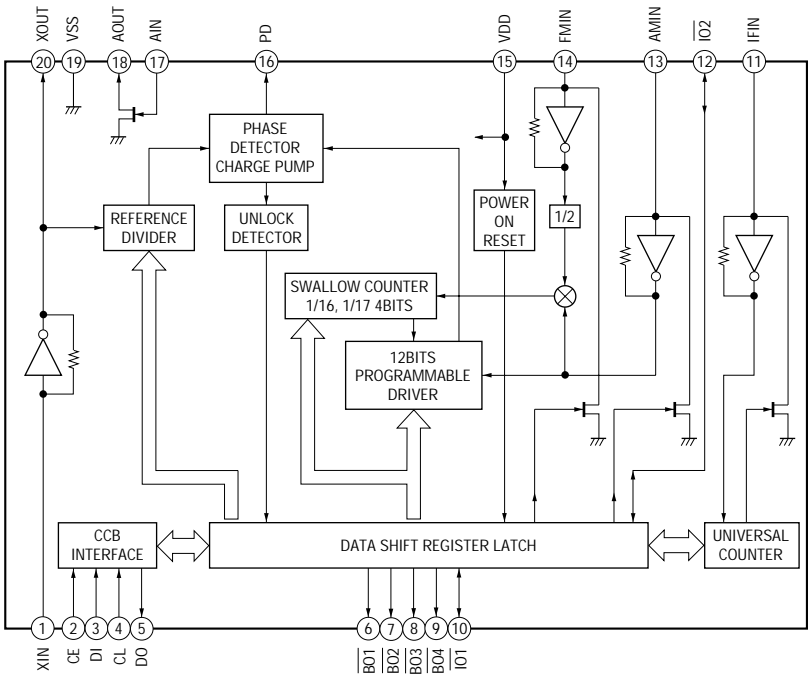
Pin No.	Pin Name	I/O	Description
1	POWER OUT	O	Power on/off output
2	S.MUT	O	System mute output (ON at H)
3	TU.MUT OUT	O	Tuner mute output (ON at H)
4	SURROUND OUT	O	Surround output (ON at H)
5	DBFB HI/LOW	O	DBFB normal output (ON at H)
6	DBFB ON/OFF	O	DBFB high output (ON at H)
7	MD/VIDEO	O	MD/VIDEO output
8	MD(HI)	O	MD(HI) output
9	MD MUTE	O	Function mute(Line out mute)
10	SPEANA H/L	O	Spectrum analyzer 1,2/3,4
11	SENS 1	I	CXD2589Q SCOR input
12	RESET	I	Reset
13	POWER DOWN IN	I	Power down in(AC on at H,AC off at H)
14	VDD	—	FLD VDD
15	VSS	—	Ground
16	X1	—	X'tal oscillator 6MHz
17	X2	—	X'tal oscillator 6MHz
18	VDD1	—	System VDD 1
19	K0	I	Key input 0
20	K1	I	Key input 1
21	K2	I	Key input 2
22	K3	I	Key input 3
23	K4	I	Key input 4
24	SPEANA IN 1	I	Spectrum analyzer 1
25	SPEANA IN 2	I	Spectrum analyzer 2
26	VACS IN	I	Vacs in
27	CXD2588Q SCOR	I	CXD2588Q SCOR input
28	COUNT	I	CXD2588Q COUNT input
29	REMOTE IN	I	Remote in
30	16G	O	FLD digital output 16
31	15G	O	FLD digital output 15
32	14G	O	FLD digital output 14
33	13G	O	FLD digital output 13
34	12G	O	FLD digital output 12
35	11G	O	FLD digital output 11
36	10G	O	FLD digital output 10
37	9G	O	FLD digital output 9
38	8G	O	FLD digital output 8
39	7G	O	FLD digital output 7
40	6G	O	FLD digital output 6
41	5G	O	FLD digital output 5
42	4G	O	FLD digital output 4
43	3G	O	FLD digital output 3
44	2G	O	FLD digital output 2
45	1G	O	FLD digital output 1
46	VDD	—	FLD VDD
47	P1 S0	O	FLD segment output 1
48	P2 S1	O	FLD segment output 2
49	P3 S2	O	FLD segment output 3
50	P4 S3	O	FLD segment output 4

Pin No.	Pin Name	I/O	Description
51	P4 S3	O	FLD segment output 4
52	P5 S4	O	FLD segment output 5
53	P6 S5	O	FLD segment output 6
54	P7 S6	O	FLD segment output 7
55	P8 S7	O	FLD segment output 8
56	P9 S8	O	FLD segment output 9
57	P10 S9	O	FLD segment output 10
58	P11 S10	O	FLD segment output 11
59	P12 S11	O	FLD segment output 12
60	P13 S12	O	FLD segment output 13
61	P14 S13	I	FLD segment output 14
68	P15-P21	I	FLD segment output 15-21
69	P22	I	FLD segment output 22
70	P23	I	FLD segment output 23
71	MODE	I	Destination selector switch input
72	VDD	—	VDD
73	FM ST IN	I	FM stereo indicator input
74	AMS IN	I	AMS input
75	CXD 2589Q SENS2	I	CXD 2589Q SENS input
76	FOK	I	CXD 2589Q FOK input
77	UP SW	I	Changer mechanism UP switch input
78	TABLE SENSOR	I	Table sensor switch input
79	CD DOOR SW	I	CD door switch input
80	DATA IN	I	HC 165 data in
81	VR+	I	VR encoder(+) input
82	VR-	I	VR encoder(-) input
83	CD ENCORDER IN A	I	CD encoder input A
84	CD ENCORDER IN B	I	CD encoder input B
85	S-DATA	O	M62433 S.DATA
86	S/L	O	HC165 S/L
87	CXA1992 LOCK	O	CXA1992 LOCK output
88	BU2114 LATCH	O	BU2114 LATCH output
89	VSS2	—	System Vss 2
90	VDD2	—	System VDD 2
91	HC4094 STB	O	HC4094 STB output
92	CDP 2589 CLOK	O	CDP 2589 clock output
93	7218 STB	O	7218 standby output
94	CXD2589Q XLAT	O	CXD2589Q XLAT output
95	CXD2589Q DATA	O	CXD2589Q DATA output
96	SQSO	O	SQSO output
97	SQCK	O	SQCK output
98	DATA	O	Serial data output
99	DI	I	Serial data input
100	CLK	O	Clock output

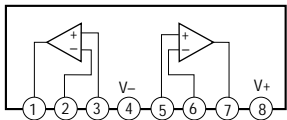
5-15. IC BLOCK DIAGRAMS

MAIN BOARD

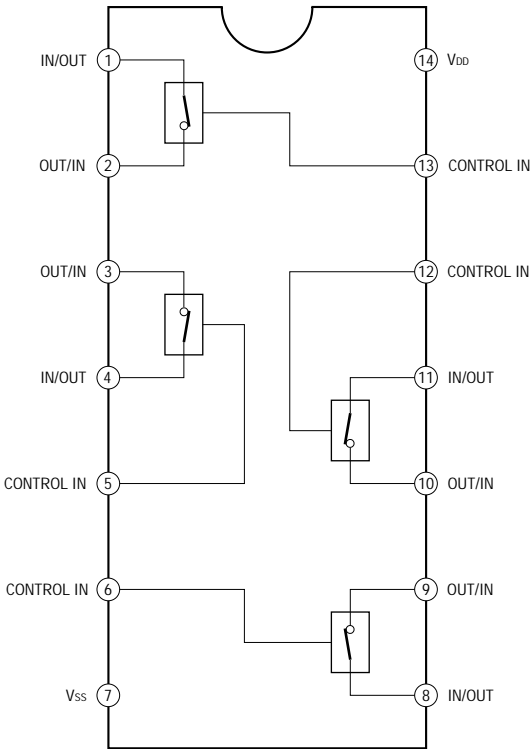
IC103 LC72131M



IC202 M5218AL

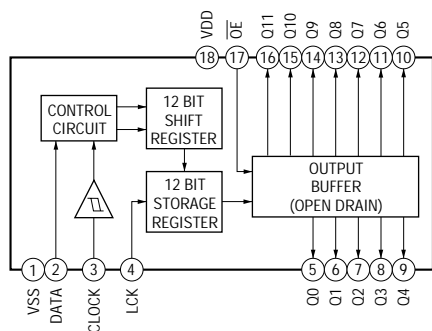


IC203 MC14066BF

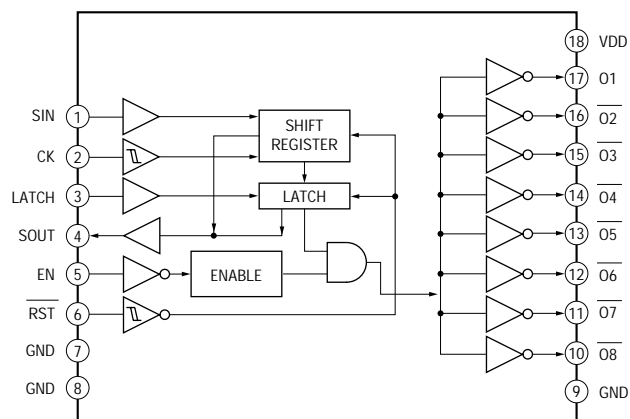


FRONT BOARD

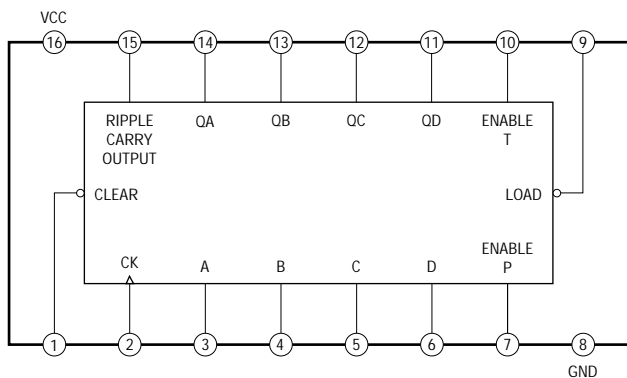
IC602 BU2092F-E2



IC603 BU2114F

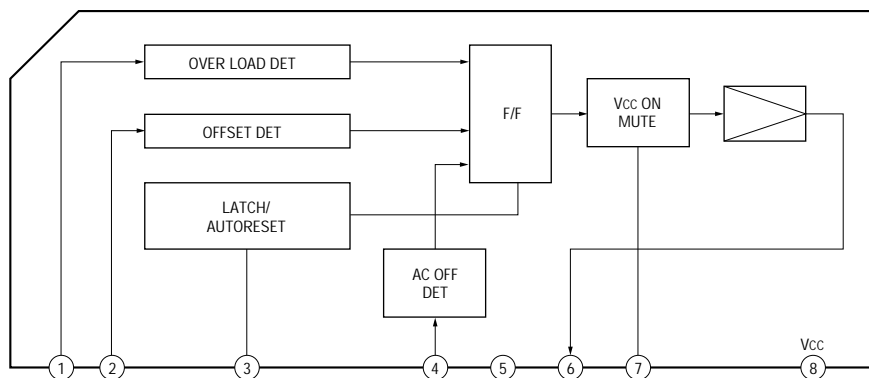


IC606 SN74HC161



AMP BOARD

IC702 MPC1237HA



SECTION 6 EXPLODED VIEWS

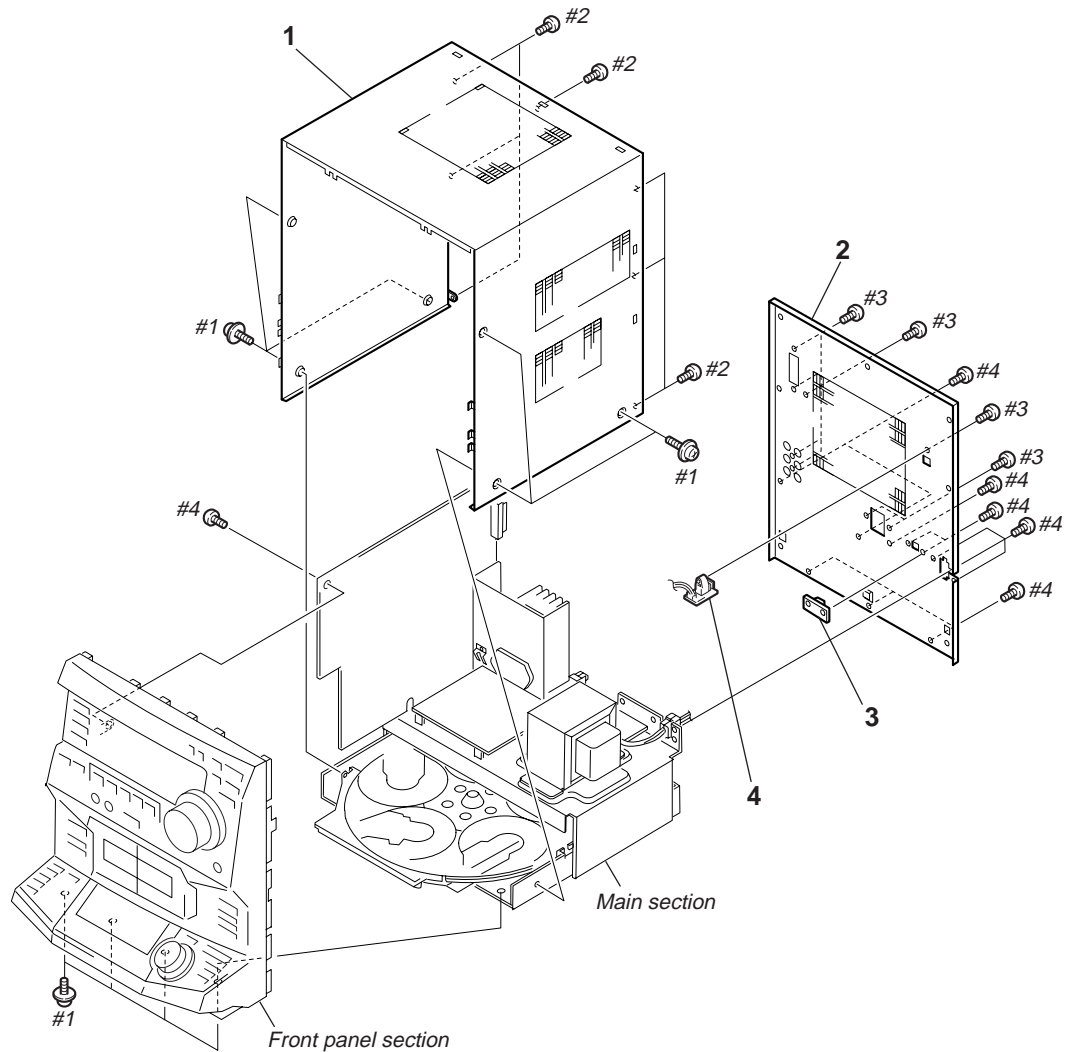
NOTE:

- 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.

- Abbreviation
SP : Singapore model
MX : Mexican model
AR : Argentina model
AUS : Australian model
EE : East European model

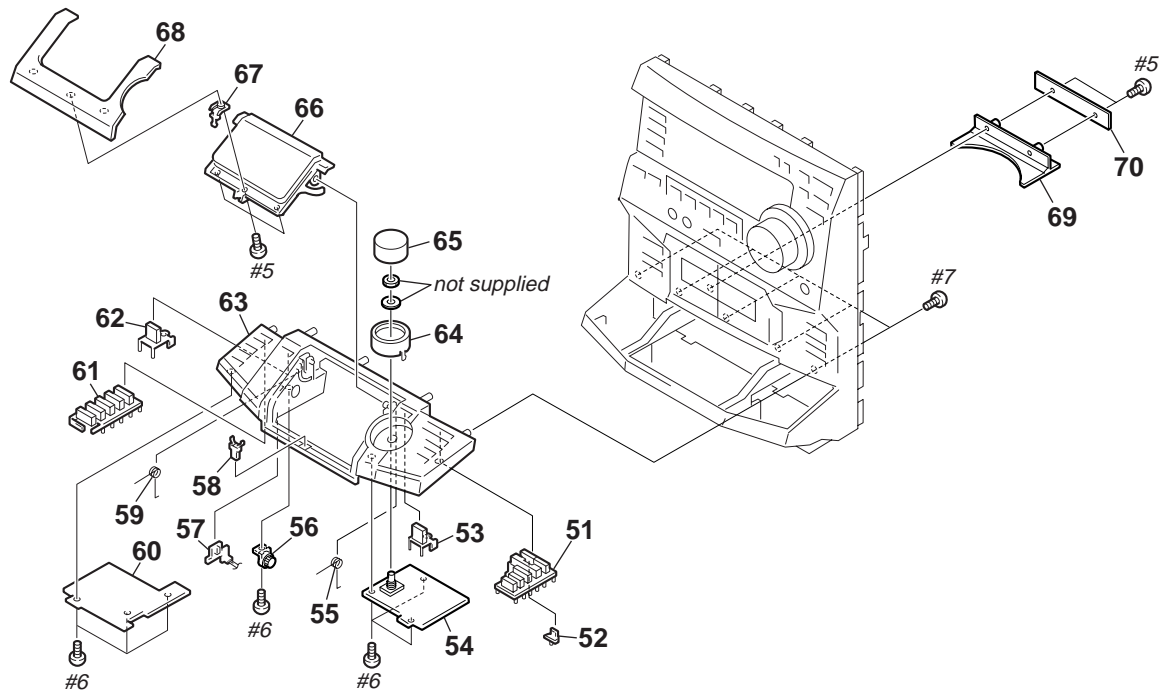
The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

6-1. TOP COVER SECTION



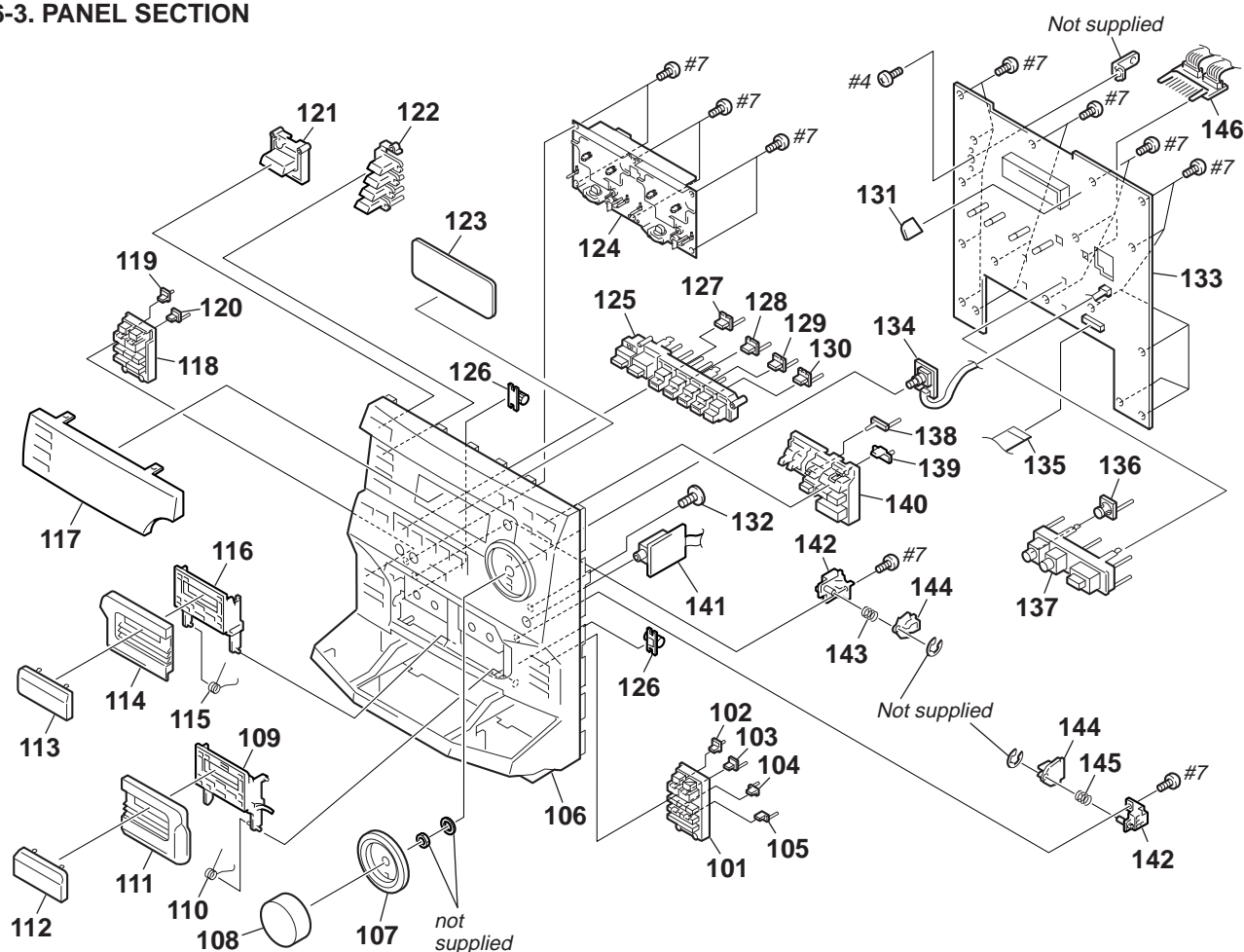
Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
1	4-221-012-01	COVER, TOP		2	4-222-143-01	PANEL, REAR(DR3:AUS)	
* 1	4-211-556-01	COVER, TOP(DR330)		2	4-222-144-01	PANEL, REAR(DR3:MX)	
2	4-222-140-01	PANEL, REAR(XB200:AEP,UK)		2	4-222-145-01	PANEL, REAR(DR330)	
2	4-222-141-01	PANEL, REAR(XB200:EE,CIS)		3	1-674-880-11	AC SWITCH BOARD (DR3:E,SP,AR)	
2	4-222-142-01	PANEL, REAR(DR3:E,SP,AR)		4	1-675-425-11	PHOTO SOCKET BOARD	

6-2. CD DOOR SECTION



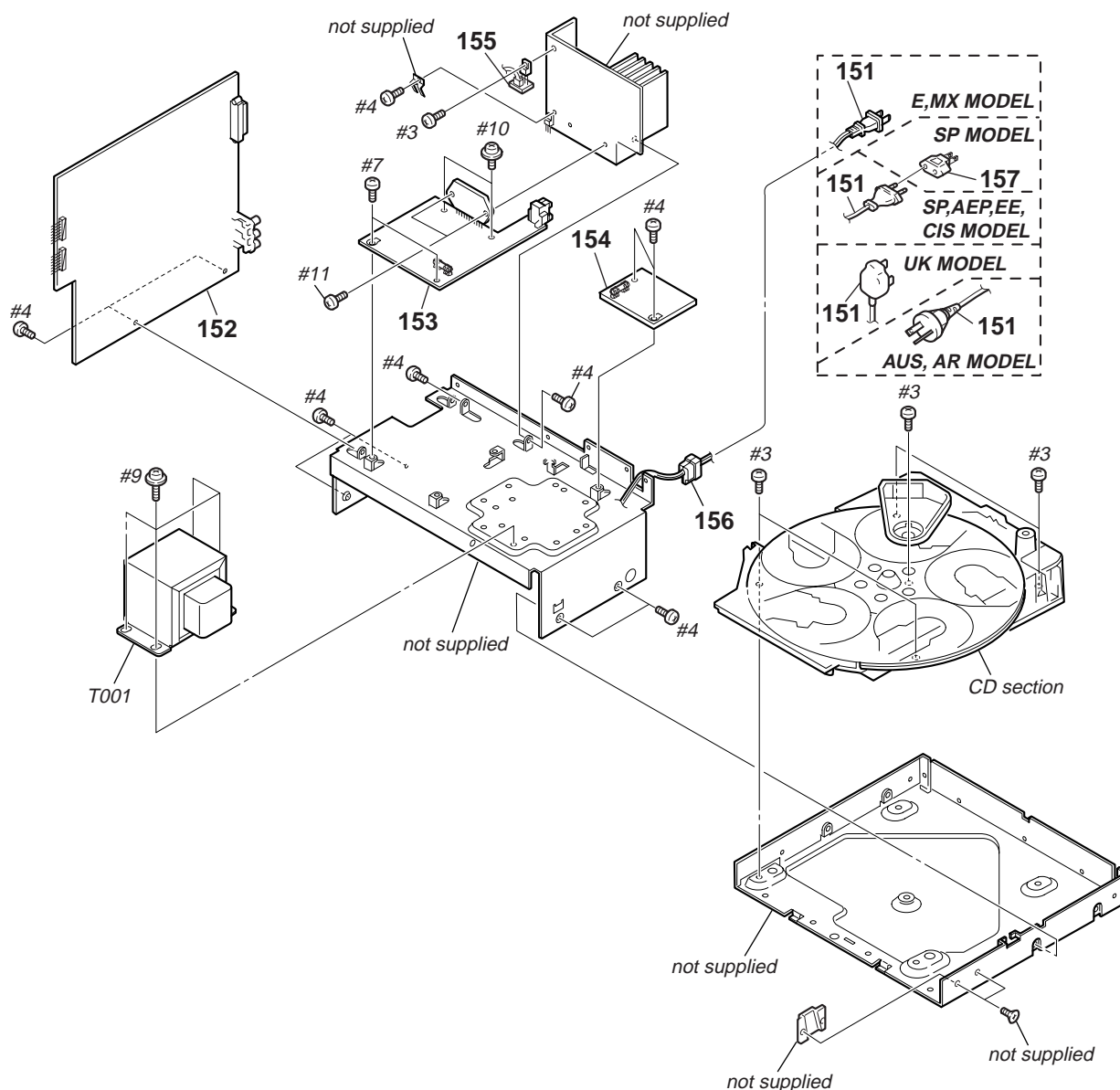
Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
51	4-221-007-01	BUTTON, CD PLAY(DR3,XB200)		62	4-221-005-01	BUTTON, CD EDIT(DR3,XB200)	
51	4-222-126-01	BUTTON, CD PLAY(DR330)		62	4-222-124-01	BUTTON, CD EDIT(DR330)	
52	4-221-008-01	LENS, CD PLAY BUTTON		63	4-220-995-01	PANEL, CD FRONT(DR3,XB200)	
53	4-221-006-01	BUTTON, CD SKIP(DR3,XB200)		63	4-222-120-01	PANEL, CD FRONT(DR330)	
53	4-222-125-01	BUTTON, CD SKIP(DR330)		64	4-221-002-01	RING, AMS	
54	1-674-635-11	AMS BOARD		65	4-221-003-01	KNOB, AMS(DR3,XB200)	
55	4-221-011-01	SPRING (R), CD DOOR		65	4-222-122-01	KNOB, AMS(DR330)	
56	4-211-920-01	DAMPER (PG-5), GEAR		66	4-220-996-01	WINDOW, CD DOOR	
57	1-674-632-11	CD SW BOARD		67	4-221-009-01	HOOK, CD DOOR	
58	4-221-128-01	LOCK		68	4-221-001-01	DOOR, CD(DR3,XB200)	
59	4-221-010-01	SPRING (L), CD DOOR		68	4-222-121-01	DOOR, CD(DR330)	
60	1-674-634-11	CD KEY BOARD		69	4-211-914-01	LENS, CD DOOR	
61	4-221-004-01	BUTTON, CD DISC(DR3,XB200)		70	1-674-637-11	LED BOARD	
61	4-222-123-01	BUTTON, CD DISC(DR330)					

6-3. PANEL SECTION



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
101	4-221-028-01	BUTTON (R), CASS(DR3,XB200)		122	4-221-023-01	BUTTON, CLOCK	
101	4-222-130-01	BUTTON (R), CASS(DR330)		123	4-220-987-01	PLATE, DISPLAY	
102	4-221-034-01	LENS (A), CASS BUTTON (R)		124	1-772-164-11	DECK, MECH	
103	4-221-035-01	LENS (B), CASS BUTTON (R)		125	4-221-024-01	BUTTON, MODE	
104	4-221-036-01	LENS (C), CASS BUTTON (R)		126	4-220-992-01	DAMPER (GRAY), GEAR	
105	4-221-037-01	LENS (D), CASS BUTTON (R)		127	4-221-038-01	LENS, ROCK BUTTON	
106	4-221-014-01	PANEL, FRONT(DR3,XB200)		128	4-221-039-01	LENS, POP BUTTON	
106	4-222-131-01	PANEL, FRONT(DR330)		129	4-220-985-01	LENS, JAZZ BUTTON	
107	4-221-000-01	RING, VR		130	4-220-986-01	LENS, SALSA BUTTON	
108	4-221-026-01	KNOB, VOLUME(DR3,XB200)		131	1-674-633-11	REM BOARD	
108	4-222-128-01	KNOB, VOLUME(DR330)		132	3-306-734-01	SCREW (M3 × 12), TAPPING	
109	4-221-016-01	HOLDER (R), CASS DOOR		133	A-4426-395-A	FRONT BOARD, COMPLETE(XB200)	
110	4-220-989-01	SPRING (R), CASS		133	A-4426-396-A	FRONT BOARD, COMPLETE(DR3:E)	
111	4-222-135-01	DOOR (R), CASSETTE(XB200)		133	A-4426-397-A	FRONT BOARD, COMPLETE(DR3:AUS)	
111	4-222-136-01	DOOR (R), CASSETTE(DR3)		133	A-4426-398-A	FRONT BOARD, COMPLETE(DR3:AR)	
111	4-222-137-01	DOOR (R), CASSETTE(DR330)		133	A-4426-400-A	FRONT BOARD, COMPLETE(DR3:MX,DR330)	
112	4-220-998-01	WINDOW (R), CASS DOOR		133	A-4426-399-A	FRONT BOARD, COMPLETE(DR3:SP)	
113	4-220-997-01	WINDOW (L), CASS DOOR		134	1-674-631-11	VR BOARD	
114	4-222-132-01	DOOR (L), CASSETTE(XB200)		135	1-783-579-11	WIRE (FLAT TYPE) (16 CORE)	
114	4-222-133-01	DOOR (L), CASSETTE(DR3)		136	4-221-031-01	LENS, GROOVE BUTTON	
114	4-222-134-01	DOOR (L), CASSETTE(DR330)		137	4-221-025-01	BUTTON, SURROUND(DR3,XB200)	
115	4-220-988-01	SPRING (L), CASS		137	4-222-127-01	BUTTON, SURROUND(DR330)	
116	4-221-015-01	HOLDER (L), CASS DOOR		138	4-221-030-01	LENS, ENTER BUTTON	
117	4-220-999-01	WINDOW, DISPLAY		139	4-221-029-01	LENS, TUNER BUTTON	
118	4-221-027-01	BUTTON (L), CASS(DR3,XB200)		140	4-221-022-01	BUTTON, TUNER(DR3,XB200)	
118	4-222-129-01	BUTTON (L), CASS(DR330)		140	4-222-139-01	BUTTON, TUNER(DR330)	
119	4-221-033-01	LENS (B), CASS BUTTON (L)		142	4-220-990-01	HOLDER, EJECT	
120	4-221-032-01	LENS (A), CASS BUTTON (L)		143	4-220-994-01	SPRING (R), PUSHING	
121	4-221-021-01	BUTTON, POWER (DR3,XB200)		144	4-220-991-01	LEVER, EJECT	
121	4-222-138-01	BUTTON, POWER(DR330)		145	4-220-993-01	SPRING (L), PUSHING	
				146	1-675-424-11	CONNECTOR BOARD	

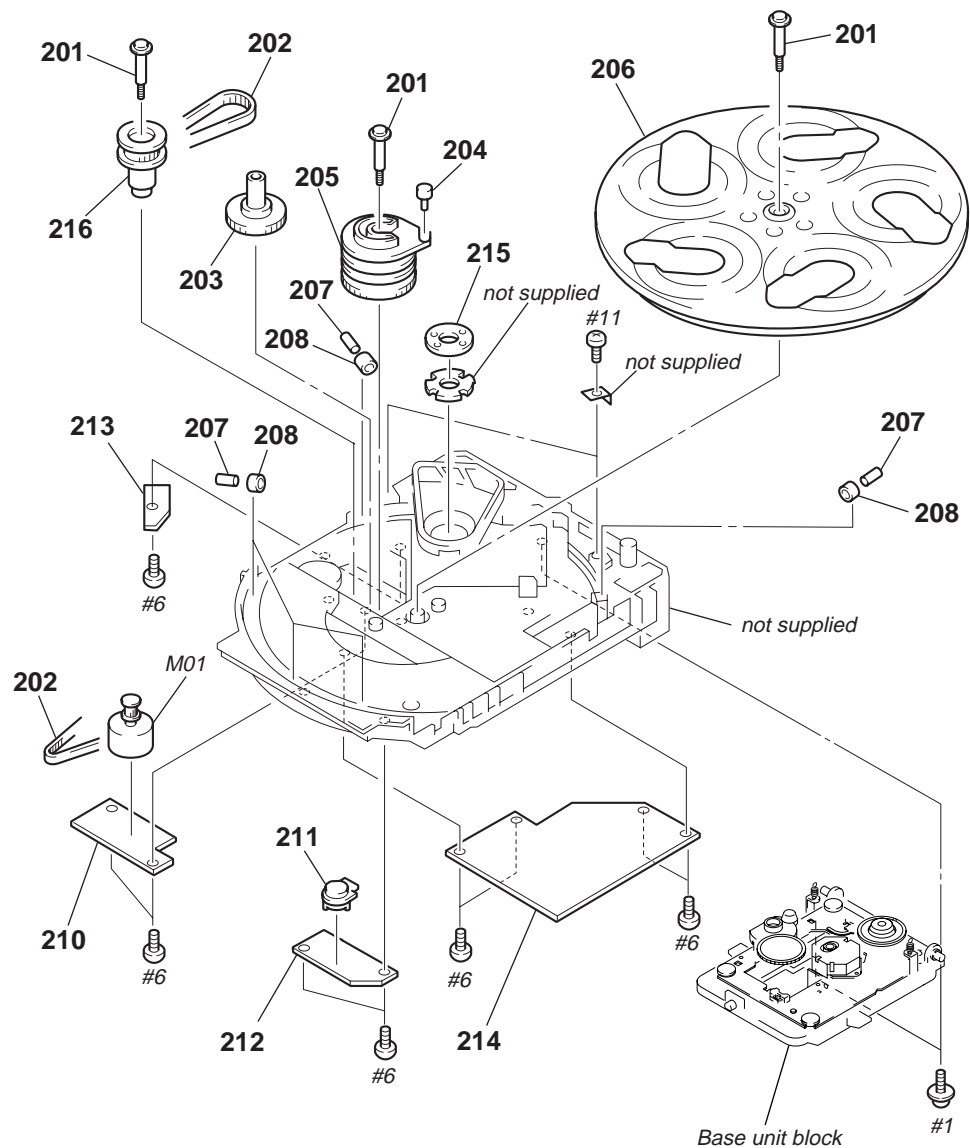
6-4. MAIN SECTION



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
△ 151	1-551-506-99	CORD, POWER(DR3:E,MX,DR330)		153	A-4426-419-A	POWER (AMP) BOARD, COMPLETE (DR3:MX,DR330)	
△ 151	1-555-795-00	CORD, POWER(DR3:SP/XB200:AEP,EE,CIS)		154	1-674-638-11	POWER SUPPLY BOARD	
△ 151	1-696-572-21	CORD, POWER(XB200:UK)		155	1-674-642-11	TR BOARD	
△ 151	1-696-966-11	CORD, POWER(DR3:AUS)		156	3-703-244-21	BUSHING, CORD	
△ 151	1-783-941-51	CORD, POWER(DR3:AR)		△ 157	1-569-008-21	ADAPTOR, CONVERSION 2P (SP)	
152	A-4426-407-A	MAIN BOARD, COMPLETE(XB200)		△ T001	1-433-921-11	TRANSFORMER, POWER(DR3:MX,DR330)	
152	A-4426-408-A	MAIN BOARD, COMPLETE(DR3:E,SP,AR)		△ T001	1-433-922-11	TRANSFORMER, POWER(XB200)	
152	A-4426-409-A	MAIN BOARD, COMPLETE(DR3:AUS)		△ T001	1-433-923-11	TRANSFORMER, POWER(DR3:E,SP,AR)	
152	A-4426-410-A	MAIN BOARD, COMPLETE(DR3:MX,DR330)		△ T001	1-433-924-11	TRANSFORMER, POWER(DR3:AUS)	
153	A-4426-417-A	POWER (AMP) BOARD, COMPLETE(XB200)					
153	A-4426-418-A	POWER (AMP) BOARD, COMPLETE (DR3:E,SP,AR,AUS)					

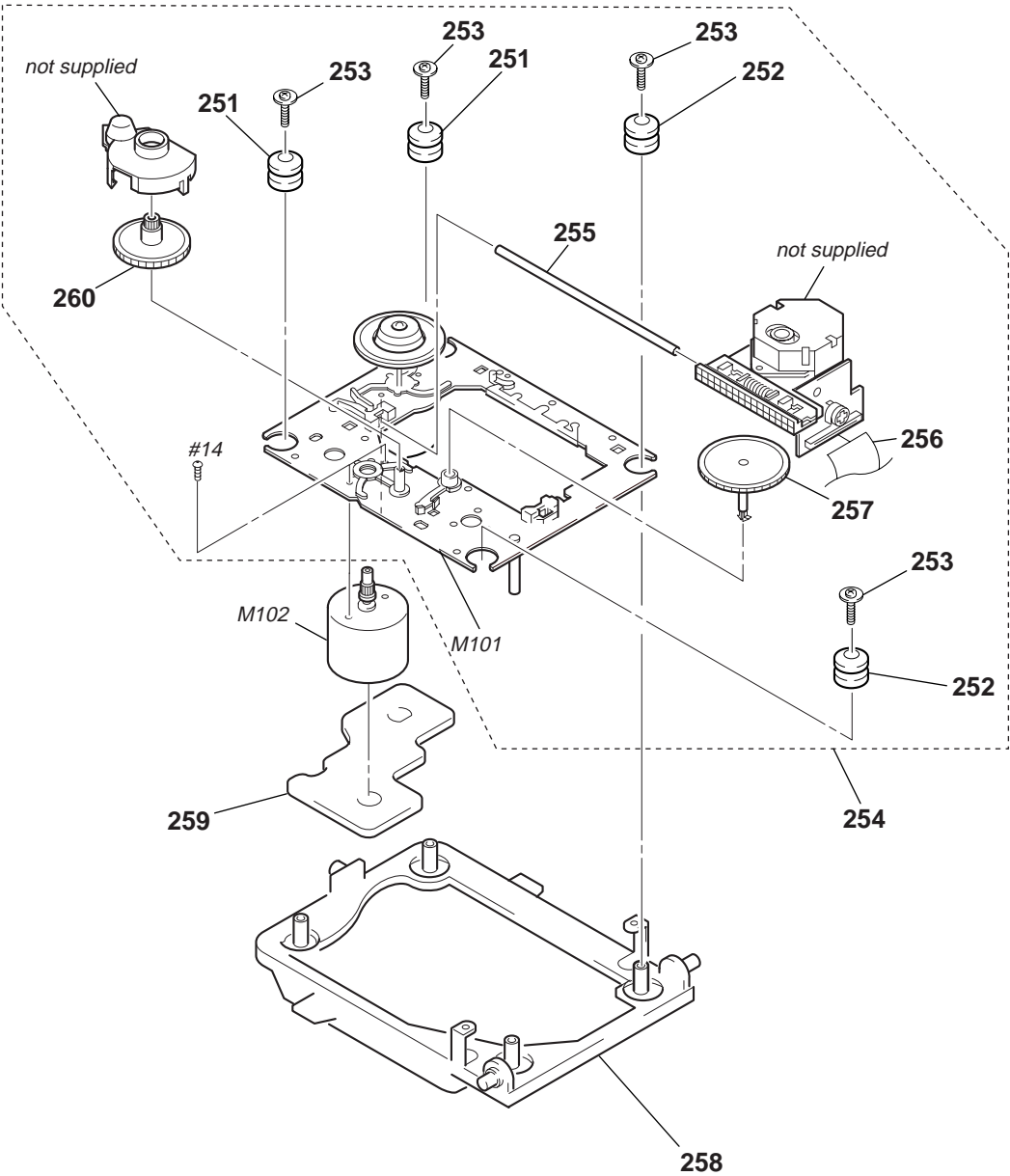
The components identified by mark △ or dotted line with mark △ are critical for safety.
Replace only with part number specified.

6-5. CD MECHANISM SECTION



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
201	4-987-976-01	SCREW,STEP		210	1-675-422-11	MOTOR BOARD	
202	4-944-490-01	BELT(TIMING)		211	4-223-441-01	INDICATOR	
203	4-223-449-01	GEAR (MID)		212	1-675-423-11	DISC NO BOARD	
204	4-223-447-01	ROLLER(CAM)		213	1-675-421-11	CD SENSOR BOARD	
205	4-978-420-01	CAM(HOLDER)		214	A-4426-810-A	CD DECORD BOARD, COMPLETE	
206	4-223-440-01	TABLE, DISC		215	4-223-452-11	MAGNET	
207	4-934-376-01	SHAFT (ROLLER)		216	4-223-439-11	PULLEY	
208	4-223-450-01	ROLLER		M01	1-541-632-11	MOTOR DC	

6-6. BASE UNIT SECTION (KSM-213ECM)



Ref. No.	Part No.	Description	Remarks
251	4-223-456-01	DAMPER(GR)	
252	4-223-457-01	DAMPER(RD)	
253	3-319-501-51	SCREW(+ PTPWH) (2.6 × 16)	
△ 254	8-820-054-03	OPTICAL PICK-UP KSM-213ECM/C2NP	
255	4-223-455-01	SHAFT(CAM)	
256	1-769-856-11	WIRE(FLAT TYPE) (5 CORE)	

Ref. No.	Part No.	Description	Remarks
257	2-626-907-01	GEAR (A)(S)	
258	4-992-164-01	BASE, KSM MECHANICAL	
259	1-675-422-11	MOTOR(6P)(C)BOARD	
260	2-627-003-02	GEAR (B)	
M101	X-2625-877-1	MOTOR ASSY (SPINDLE)	
M102	X-2625-769-1	MOTOR ASSY (SLED)	

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

SECTION 7 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
- Abbreviation
SP : Singapore model
MX : Mexican model
AR : Argentina model
AUS : Australian model
EE : East European model

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

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

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

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
	1-674-880-11	AC SWITCH BOARD (DR3:E,SP,AR) *****		C13	1-162-305-11	CERAMIC 0.0068uF 20%	16V
		< SWITCH >		C14	1-164-206-41	CERAMIC 0.047uF 99%	50V
S001	1-771-477-11	SELECTOR, VOLTAGE (VOLTAGE SELECTOR) *****		C15	1-161-494-00	CERAMIC 0.022uF	25V
	1-674-635-11	AMS BOARD *****		C16	1-164-159-11	CERAMIC 0.1uF	50V
		< LED >		C17	1-104-665-11	ELECT 100uF 20%	10V
LED616	8-719-304-83	LED SEL2410G (CD, \blacktriangleright II)		C18	1-104-665-11	ELECT 100uF 20%	10V
		< RESISTOR >		C19	1-164-159-11	CERAMIC 0.1uF	50V
R663	1-247-835-11	CARBON 1.5K 5% 1/4W		C20	1-162-302-11	CERAMIC 0.0022uF 20%	16V
R664	1-247-839-11	CARBON 2.2K 5% 1/4W		C21	1-164-159-11	CERAMIC 0.1uF	50V
R665	1-247-843-11	CARBON 3.3K 5% 1/4W		C22	1-164-159-11	CERAMIC 0.1uF	50V
R666	1-247-847-11	CARBON 4.7K 5% 1/4W		C23	1-164-159-11	CERAMIC 0.1uF	50V
R667	1-249-428-11	CARBON 8.2K 5% 1/4W F		C24	1-126-963-11	ELECT 4.7uF 20%	50V
R668	1-249-431-11	CARBON 15K 5% 1/4W		C25	1-130-489-11	MYLAR 0.033uF 5%	50V
		< SWITCH >		C26	1-130-486-00	MYLAR 0.018uF 10%	50V
S645	1-762-875-11	SWITCH, KEYBOARD (CD, \blacktriangleright II)		C27	1-162-199-31	CERAMIC 10PF 5%	50V
S646	1-762-875-11	SWITCH, KEYBOARD (CD, \blacksquare)		C28	1-130-493-00	MYLAR 0.068uF 5%	50V
S647	1-762-875-11	SWITCH, KEYBOARD (DISC SKIP)		C29	1-126-962-11	ELECT 3.3uF 20%	50V
S648	1-762-875-11	SWITCH, KEYBOARD (CD, \blacktriangleright)		C30	1-162-215-31	CERAMIC 47PF 5%	50V
S649	1-762-875-11	SWITCH, KEYBOARD (CD, \blacktriangleleft)		C31	1-164-159-11	CERAMIC 0.1uF	50V
S650	1-762-875-11	SWITCH, KEYBOARD (PLAY MODE)		C32	1-164-159-11	CERAMIC 0.1uF	50V
S651	1-762-875-11	SWITCH, KEYBOARD (REPEAT)		C33	1-104-665-11	ELECT 100uF 20%	10V
		< VARIABLE RESISTOR >		C41	1-126-964-11	ELECT 10uF 20%	50V
VR602	1-475-841-11	ENCODER (AMS) *****		C42	1-126-964-11	ELECT 10uF 20%	50V
A-4426-810-A	CD DECORD BOARD, COMPLETE *****			C51	1-126-927-11	ELECT 2200uF 20%	10V
		< CAPACITOR >		C52	1-164-159-11	CERAMIC 0.1uF	50V
C01	1-104-665-11	ELECT 100uF 20% 10V		C53	1-162-305-11	CERAMIC 0.0068uF 20%	16V
C02	1-130-489-11	MYLAR 0.033uF 5% 50V		C54	1-130-483-00	MYLAR 0.01uF 5%	50V
C03	1-162-306-11	CERAMIC 0.01uF 20% 16V		C56	1-137-380-11	FILM 0.47uF 5%	50V
C04	1-130-489-11	MYLAR 0.033uF 5% 50V		C57	1-162-306-11	CERAMIC 0.01uF 20%	16V
C05	1-162-306-11	CERAMIC 0.01uF 20% 16V		C59	1-162-290-31	CERAMIC 470PF 10%	50V
C06	1-128-551-11	ELECT 22uF 20% 25V		C60	1-162-286-31	CERAMIC 220PF 10%	50V
C07	1-162-203-31	CERAMIC 15PF 5% 50V		C61	1-137-378-11	FILM 0.22uF 5%	50V
C08	1-164-159-11	CERAMIC 0.1uF 50V		C62	1-162-306-11	CERAMIC 0.01uF 20%	16V
C11	1-162-600-11	CERAMIC 0.0047uF 20% 16V		C63	1-164-159-11	CERAMIC 0.1uF	50V
C12	1-162-306-11	CERAMIC 0.01uF 20% 16V		C64	1-104-665-11	ELECT 100uF 20%	10V
				C65	1-162-294-31	CERAMIC 0.001uF 10%	50V
				C66	1-162-294-31	CERAMIC 0.001uF 10%	50V
				C67	1-162-294-31	CERAMIC 0.001uF 10%	50V
				C68	1-162-294-31	CERAMIC 0.001uF 10%	50V
				C69	1-162-294-31	CERAMIC 0.001uF 10%	50V
				C70	1-164-159-11	CERAMIC 0.1uF	50V
				C71	1-164-159-11	CERAMIC 0.1uF	50V
				C72	1-104-665-11	ELECT 100uF 20%	10V
				C73	1-162-209-31	CERAMIC 27PF 5%	50V
				C74	1-162-209-31	CERAMIC 27PF 5%	50V
				C75	1-161-494-00	CERAMIC 0.022uF 25V	
				C81	1-162-284-31	CERAMIC 150PF 10%	50V
				C82	1-162-284-31	CERAMIC 150PF 10%	50V
				C83	1-162-292-31	CERAMIC 680PF 10%	50V
				C84	1-162-292-31	CERAMIC 680PF 10%	50V

CD DECORD

Ref. No.	Part No.	Description				Remarks	Ref. No.	Part No.	Description				Remarks
C85	1-126-963-11	ELECT	4.7uF	20%	50V		R17	1-249-439-11	CARBON	68K	5%	1/4W	
C86	1-126-963-11	ELECT	4.7uF	20%	50V		R18	1-247-879-11	CARBON	100K	5%	1/4W	
C87	1-162-294-31	CERAMIC	0.001uF	10%	50V		R19	1-247-883-00	CARBON	150K	5%	1/4W	
C88	1-162-294-31	CERAMIC	0.001uF	10%	50V		R20	1-247-891-00	CARBON	330K	5%	1/4W	
C89	1-161-494-00	CERAMIC	0.022uF		25V		R23	1-247-855-11	CARBON	10K	5%	1/4W	
C90	1-161-494-00	CERAMIC	0.022uF		25V		R24	1-249-428-11	CARBON	8.2K	5%	1/4W	F
C91	1-126-934-11	ELECT	220uF	20%	10V		R25	1-247-899-11	CARBON	680K	5%	1/4W	
C92	1-126-934-11	ELECT	220uF	20%	10V		R26	1-247-879-11	CARBON	100K	5%	1/4W	
C93	1-164-159-11	CERAMIC	0.1uF		50V		R27	1-247-896-11	CARBON	510K	5%	1/4W	
C94	1-126-934-11	ELECT	220uF	20%	10V		R29	1-249-439-11	CARBON	68K	5%	1/4W	
C95	1-126-934-11	ELECT	220uF	20%	10V		R30	1-247-871-11	CARBON	47K	5%	1/4W	
C96	1-162-294-31	CERAMIC	0.001uF	10%	50V		R32	1-247-883-00	CARBON	150K	5%	1/4W	
C97	1-162-294-31	CERAMIC	0.001uF	10%	50V		R33	1-249-430-11	CARBON	12K	5%	1/4W	
C98	1-162-294-31	CERAMIC	0.001uF	10%	50V		R34	1-247-876-11	CARBON	75K	5%	1/4W	
C20A	1-130-493-00	MYLAR	0.068uF	5%	50V		R35	1-247-879-11	CARBON	100K	5%	1/4W	
C80L	1-164-159-11	CERAMIC	0.1uF		50V		R36	1-247-885-00	CARBON	180K	5%	1/4W	
C80R	1-164-159-11	CERAMIC	0.1uF		50V		R41	1-249-427-11	CARBON	6.8K	5%	1/4W	F
		< CONNECTOR >					R42	1-247-847-11	CARBON	4.7K	5%	1/4W	
							R43	1-249-413-11	CARBON	470	5%	1/4W	F
CN01	1-580-475-11	SOCKET, CONNECTOR 16P					R44	1-247-871-11	CARBON	47K	5%	1/4W	
* CN02	1-564-708-11	PIN, CONNECTOR (SMALL TYPE) 6P					R45	1-247-863-11	CARBON	22K	5%	1/4W	
		< DIODE >					R46	1-247-855-11	CARBON	10K	5%	1/4W	
							R48	1-247-855-11	CARBON	10K	5%	1/4W	
							R49	1-247-855-11	CARBON	10K	5%	1/4W	
D05	8-719-010-41	DIODE UZ-5.6BSA					R50	1-247-863-11	CARBON	22K	5%	1/4W	
D06	8-719-062-09	DIODE SEL2815A-CD											
		< IC >					R52	1-247-871-11	CARBON	47K	5%	1/4W	
							R53	1-247-867-11	CARBON	33K	5%	1/4W	
							R54	1-247-863-11	CARBON	22K	5%	1/4W	
IC01	8-752-082-14	IC CXA1992BR					R55	1-249-427-11	CARBON	6.8K	5%	1/4W	F
IC02	8-752-384-13	IC CXD2589Q					R56	1-247-867-11	CARBON	33K	5%	1/4W	
IC03	8-759-429-31	IC BA5941FP											
IC04	8-759-234-75	IC TC74HC4094AP					R58	1-247-871-11	CARBON	47K	5%	1/4W	
IC05	8-759-365-94	IC TA8409S					R59	1-247-843-11	CARBON	3.3K	5%	1/4W	
		< COIL >					R60	1-249-417-11	CARBON	1K	5%	1/4W	F
							R61	1-247-855-11	CARBON	10K	5%	1/4W	
							R62	1-247-903-00	CARBON	1M	5%	1/4W	
L02	1-410-509-11	INDUCTOR 10uH											
L03	1-410-330-11	INDUCTOR 22uH					R63	1-247-887-00	CARBON	220K	5%	1/4W	
L05	1-408-104-00	INDUCTOR 1mH					R64	1-247-855-11	CARBON	10K	5%	1/4W	
		< TRANSISTOR >					R65	1-247-871-11	CARBON	47K	5%	1/4W	
							R66	1-249-417-11	CARBON	1K	5%	1/4W	F
							R67	1-249-417-11	CARBON	1K	5%	1/4W	F
Q01	8-729-195-23	TRANSISTOR 2SA952-L											
Q03	8-729-195-23	TRANSISTOR 2SA952-L					R68	1-249-417-11	CARBON	1K	5%	1/4W	F
Q04	8-729-142-46	TRANSISTOR 2SC2001-L1					R69	1-249-417-11	CARBON	1K	5%	1/4W	F
Q07	8-729-194-57	TRANSISTOR 2SC945TP-P					R70	1-249-417-11	CARBON	1K	5%	1/4W	F
Q09	8-729-194-57	TRANSISTOR 2SC945TP-P					R71	1-247-807-11	CARBON	100	5%	1/4W	
							R73	1-249-442-11	CARBON	510	5%	1/4W	
Q10	8-729-194-57	TRANSISTOR 2SC945TP-P											
Q11	8-729-119-76	TRANSISTOR 2SA733TP-P					R74	1-247-903-00	CARBON	1M	5%	1/4W	
Q12	8-729-119-76	TRANSISTOR 2SA733TP-P					R75	1-247-871-11	CARBON	47K	5%	1/4W	
Q13	8-729-194-57	TRANSISTOR 2SC945TP-P					R81	1-249-430-11	CARBON	12K	5%	1/4W	
Q14	8-729-194-57	TRANSISTOR 2SC945TP-P					R82	1-249-430-11	CARBON	12K	5%	1/4W	
		< RESISTOR >					R83	1-249-430-11	CARBON	12K	5%	1/4W	
							R84	1-249-430-11	CARBON	12K	5%	1/4W	
R01	1-249-393-11	CARBON	10	5%	1/4W	F	R85	1-249-430-11	CARBON	12K	5%	1/4W	
R05	1-247-855-11	CARBON	10K	5%	1/4W		R86	1-249-430-11	CARBON	12K	5%	1/4W	
R06	1-249-430-11	CARBON	12K	5%	1/4W		R87	1-247-839-11	CARBON	2.2K	5%	1/4W	
R07	1-247-903-00	CARBON	1M	5%	1/4W		R88	1-247-839-11	CARBON	2.2K	5%	1/4W	
R10	1-247-887-00	CARBON	220K	5%	1/4W								
							R89	1-247-847-11	CARBON	4.7K	5%	1/4W	
R11	1-247-883-00	CARBON	150K	5%	1/4W		R90	1-247-847-11	CARBON	4.7K	5%	1/4W	
R13	1-247-879-11	CARBON	100K	5%	1/4W		R91	1-249-412-11	CARBON	390	5%	1/4W	F
R14	1-249-439-11	CARBON	68K	5%	1/4W		R92	1-247-855-11	CARBON	10K	5%	1/4W	
R15	1-249-439-11	CARBON	68K	5%	1/4W		R93	1-249-411-11	CARBON	330	5%	1/4W	
R16	1-249-439-11	CARBON	68K	5%	1/4W								

CD DECORD

CD KEY

CD SENSOR

CD SW

CONNECTOR

DISC NO

FRONT

Ref. No.	Part No.	Description			Remarks
R94	1-249-417-11	CARBON	1K	5%	1/4W F
R95	1-249-417-11	CARBON	1K	5%	1/4W F
R96	1-249-417-11	CARBON	1K	5%	1/4W F
R97	1-249-417-11	CARBON	1K	5%	1/4W F
R98	1-249-417-11	CARBON	1K	5%	1/4W F
R77L	1-247-855-11	CARBON	10K	5%	1/4W
R77R	1-247-855-11	CARBON	10K	5%	1/4W
R78L	1-247-855-11	CARBON	10K	5%	1/4W
R78R	1-247-855-11	CARBON	10K	5%	1/4W
R79L	1-247-855-11	CARBON	10K	5%	1/4W
R79R	1-247-855-11	CARBON	10K	5%	1/4W
R80L	1-247-855-11	CARBON	10K	5%	1/4W
R80R	1-247-855-11	CARBON	10K	5%	1/4W
< VIBRATOR >					
XTL01	1-567-908-11	VIBRATOR, CRYSTAL 16.9344MHz			

	1-674-634-11	CD KEY BOARD			

< RESISTOR >					
R651	1-249-431-11	CARBON	15K	5%	1/4W
R652	1-247-835-11	CARBON	1.5K	5%	1/4W
R658	1-247-839-11	CARBON	2.2K	5%	1/4W
R659	1-247-843-11	CARBON	3.3K	5%	1/4W
R660	1-247-847-11	CARBON	4.7K	5%	1/4W
R661	1-249-428-11	CARBON	8.2K	5%	1/4W F
R662	1-249-418-11	CARBON	1.2K	5%	1/4W F
< SWITCH >					
S639	1-762-875-11	SWITCH, KEYBOARD (DISC 1)			
S640	1-762-875-11	SWITCH, KEYBOARD (DISC 2)			
S641	1-762-875-11	SWITCH, KEYBOARD (DISC 3)			
S642	1-762-875-11	SWITCH, KEYBOARD (DISC 4)			
S643	1-762-875-11	SWITCH, KEYBOARD (DISC 5)			
S644	1-762-875-11	SWITCH, KEYBOARD (EDIT)			

	1-675-421-11	CD SENSOR BOARD			

< RESISTOR >					
R47	1-249-416-11	CARBON	820	5%	1/4W F
< SENSOR >					
SENS01	8-749-924-18	PHOTO INTERRUPTER RPI-1391			

	1-674-632-11	CD SW BOARD			

< SWITCH >					
S653	1-771-169-11	SWITCH (DOOR)			

	1-675-424-11	CONNECTOR BOARD			

< CONNECTOR >					
* CN11	1-770-334-11	PIN, CONNECTOR (PC BOARD) 17P			

Ref. No.	Part No.	Description	Remarks			
	1-675-423-11	DISC NO BOARD				

		< RESISTOR >				
R04	1-247-862-11	CARBON	20K	5%	1/4W	

A-4426-395-A	FRONT BOARD, COMPLETE (XB200)					

A-4426-396-A	FRONT BOARD, COMPLETE (DR3:E)					

A-4426-397-A	FRONT BOARD, COMPLETE (DR3:AUS)					

A-4426-398-A	FRONT BOARD, COMPLETE (DR3:AR)					

A-4426-399-A	FRONT BOARD, COMPLETE (DR3:SP)					

A-4426-400-A	FRONT BOARD, COMPLETE (DR3:MX/DR330)					

		< CAPACITOR >				
C601	1-126-960-11	ELECT	1uF	20%	50V	
C602	1-126-933-11	ELECT	100uF	20%	16V	
C603	1-126-916-11	ELECT	1000uF	20%	6.3V	
			(DR3:MX,AR,AUS/DR330/XB200)			
C604	1-161-494-00	CERAMIC	0.022uF		25V	
C605	1-104-664-11	ELECT	47uF	20%	10V	
C606	1-164-159-11	CERAMIC	0.1uF		50V	
C608	1-126-958-11	ELECT	0.33uF	20%	50V	
C609	1-164-159-11	CERAMIC	0.1uF		50V	
C610	1-126-964-11	ELECT	10uF	20%	50V	
C611	1-161-494-00	CERAMIC	0.022uF		25V	
C612	1-162-286-31	CERAMIC	220PF	10%	50V	
C613	1-102-962-00	CERAMIC	30PF	5%	50V	
C614	1-102-962-00	CERAMIC	30PF	5%	50V	
C615	1-162-286-31	CERAMIC	220PF	10%	50V	
C616	1-164-159-11	CERAMIC	0.1uF		50V	
C618	1-162-286-31	CERAMIC	220PF	10%	50V	
C619	1-162-286-31	CERAMIC	220PF	10%	50V	
C620	1-162-286-31	CERAMIC	220PF	10%	50V	
C621	1-162-282-31	CERAMIC	100PF	10%	50V	
C622	1-162-286-31	CERAMIC	220PF	10%	50V	
C623	1-162-286-31	CERAMIC	220PF	10%	50V	
C624	1-162-286-31	CERAMIC	220PF	10%	50V	
C625	1-126-964-11	ELECT	10uF	20%	50V	
C626	1-161-494-00	CERAMIC	0.022uF		25V	
C627	1-162-286-31	CERAMIC	220PF	10%	50V	
C628	1-162-286-31	CERAMIC	220PF	10%	50V	
C629	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C630	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C631	1-126-964-11	ELECT	10uF	20%	50V	
C632	1-161-494-00	CERAMIC	0.022uF		25V	
C633	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C634	1-126-964-11	ELECT	10uF	20%	50V	
C635	1-126-964-11	ELECT	10uF	20%	50V	
C636	1-161-494-00	CERAMIC	0.022uF		25V	
C637	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C638	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C639	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C640	1-104-664-11	ELECT	47uF	20%	10V	
C643	1-126-959-11	ELECT	0.47uF	20%	50V	
C644	1-164-206-41	CERAMIC	0.047uF	99%	50V	

FRONT

Ref. No.	Part No.	Description			Remarks
C645	1-126-957-11	ELECT	0.22uF	20%	50V
C646	1-126-957-11	ELECT	0.22uF	20%	50V
C647	1-162-306-11	CERAMIC	0.01uF	20%	16V
C648	1-126-957-11	ELECT	0.22uF	20%	50V
C649	1-162-302-11	CERAMIC	0.0022uF	20%	16V
C650	1-137-352-11	FILM	0.033uF	5%	100V
C651	1-126-957-11	ELECT	0.22uF	20%	50V
C653	1-162-293-31	CERAMIC	820PF	10%	50V
C654	1-126-957-11	ELECT	0.22uF	20%	50V
C655	1-126-957-11	ELECT	0.22uF	20%	50V
C658	1-162-286-31	CERAMIC	220PF	10%	50V
C659	1-162-286-31	CERAMIC	220PF	10%	50V
C660	1-162-286-31	CERAMIC	220PF	10%	50V
C661	1-162-286-31	CERAMIC	220PF	10%	50V
C662	1-162-286-31	CERAMIC	220PF	10%	50V
C663	1-126-934-11	ELECT	220uF	20%	16V
C664	1-126-934-11	ELECT	220uF	20%	16V
C665	1-162-286-31	CERAMIC	220PF	10%	50V
C667	1-162-286-31	CERAMIC	220PF	10%	50V
C668	1-126-933-11	ELECT	100uF	20%	16V
C669	1-164-206-41	CERAMIC	0.047uF	99%	50V
C670	1-164-206-41	CERAMIC	0.047uF	99%	50V
C671	1-126-960-11	ELECT	1uF	20%	50V
C672	1-162-286-31	CERAMIC	220PF	10%	50V
C673	1-126-963-11	ELECT	4.7uF	20%	50V
< CONNECTOR >					
* CN603	1-564-708-11	PIN, CONNECTOR (SMALL TYPE) 6P			
* CN606	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P			
CN607	1-568-835-21	SOCKET, CONNECTOR 16P			
< DIODE >					
D601	8-719-031-85	DIODE	1N4002L		
D602	8-719-031-85	DIODE	1N4002L		
D603	8-719-991-33	DIODE	1SS133T-77		
D604	8-719-991-33	DIODE	1SS133T-77		
D605	8-719-947-12	DIODE	UZ-4.7BSA		
D607	8-719-991-33	DIODE	1SS133T-77 (DR3:E,AUS/XB200)		
D606	8-719-991-33	DIODE	1SS133T-77 (DR3:MX/DR330)		
D608	8-719-991-33	DIODE	1SS133T-77 (DR3:MX/DR330)		
D609	8-719-991-33	DIODE	1SS133T-77 (DR3:MX,AUS/DR330/XB200)		
D611	8-719-991-33	DIODE	1SS133T-77 (DR3:AUS/XB200)		
D612	8-719-991-33	DIODE	1SS133T-77 (DR3:SP)		
D613	8-719-991-33	DIODE	1SS133T-77		
D614	8-719-991-33	DIODE	1SS133T-77		
D615	8-719-991-33	DIODE	1SS133T-77		
D616	8-719-991-33	DIODE	1SS133T-77		
D617	8-719-991-33	DIODE	1SS133T-77		
D618	8-719-991-33	DIODE	1SS133T-77		
D619	8-719-991-33	DIODE	1SS133T-77		
D620	8-719-991-33	DIODE	1SS133T-77		
D621	8-719-991-33	DIODE	1SS133T-77		
D622	8-719-991-33	DIODE	1SS133T-77		
D624	8-719-991-33	DIODE	1SS133T-77		
D723	8-719-991-33	DIODE	1SS133T-77		
D730	8-719-991-33	DIODE	1SS133T-77		
D731	8-719-991-33	DIODE	1SS133T-77		
< FLUORESCENTINDICATOR >					
FLD601	1-517-840-31	INDICATOR TUBE, FLUORESCENT			

Ref. No.	Part No.	Description	Remarks			
< IC >						
IC601	8-759-595-06	IC LC866540A-5K40				
IC602	8-759-275-23	IC BU2092				
IC603	8-759-473-61	IC BU2114				
IC604	8-759-000-49	IC TC4066BP				
IC606	8-759-916-52	IC TC74HC165AP				
IC607	8-759-234-75	IC TC74HC4094AP				
< COIL >						
L601	1-414-151-11	INDUCTOR 470uH				
< LED >						
LED601	8-719-062-09	LED SEL2815A-CD (ENTER/NEXT9				
LED602	8-719-303-02	LED SEL2510C (TUNER/BAND)				
LED603	8-719-028-38	LED SEL2215R-TP1 (GROOVE)				
LED605	8-719-052-46	LED SEL1450EKM-TP5 (SALSA)				
LED606	8-719-052-46	LED SEL1450EKM-TP5 (JAZZ)				
LED607	8-719-052-46	LED SEL1450EKM-TP5 (POPS)				
LED608	8-719-052-46	LED SEL1450EKM-TP5 (ROCK)				
LED610	8-719-028-38	LED SEL2215R-TP1 (● REC)				
LED611	8-719-062-09	LED SEL2815A-CD (■ PAUSE)				
LED612	8-719-303-02	LED SEL2510C (TAPE B, ◀)				
LED613	8-719-303-02	LED SEL2510C (TAPE B, ▶)				
LED614	8-719-303-02	LED SEL2510C (TAPE A, ◀)				
LED615	8-719-303-02	LED SEL2510C (TAPE A, ▶)				
< TRANSISTOR >						
Q601	8-729-194-57	TRANSISTOR 2SC945TP-P				
Q602	8-729-194-57	TRANSISTOR 2SC945TP-P				
Q603	8-729-194-57	TRANSISTOR 2SC945TP-P				
Q604	8-729-119-76	TRANSISTOR 2SA733-P				
Q605	8-729-194-57	TRANSISTOR 2SC945TP-P (DR3:SP)				
Q606	8-729-026-29	TRANSISTOR 2SJ346 (DR3:SP)				
Q607	8-729-194-57	TRANSISTOR 2SC945TP-P				
Q608	8-729-026-29	TRANSISTOR 2SJ346				
Q609	8-729-026-29	TRANSISTOR 2SJ346				
Q610	8-729-194-57	TRANSISTOR 2SC945TP-P				
Q611	8-729-194-57	TRANSISTOR 2SC945TP-P				
Q612	8-729-194-57	TRANSISTOR 2SC945TP-P				
Q613	8-729-993-43	TRANSISTOR 2SA934R				
Q614	8-729-993-43	TRANSISTOR 2SA934R				
Q615	8-729-993-43	TRANSISTOR 2SA934R				
< RESISTOR >						
R601	1-247-871-11	CARBON 47K	5%	1/4W		
R602	1-249-417-11	CARBON 1K	5%	1/4W	F	
R603	1-249-417-11	CARBON 1K	5%	1/4W	F	
R604	1-247-871-11	CARBON 47K	5%	1/4W		
R605	1-247-871-11	CARBON 47K	5%	1/4W		
R606	1-249-417-11	CARBON 1K	5%	1/4W	F	
R607	1-249-431-11	CARBON 15K	5%	1/4W		
R608	1-247-871-11	CARBON 47K	5%	1/4W		
R609	1-247-855-11	CARBON 10K	5%	1/4W		
R610	1-247-855-11	CARBON 10K	5%	1/4W		
R611	1-247-855-11	CARBON 10K	5%	1/4W		
R612	1-247-855-11	CARBON 10K	5%	1/4W		
R613	1-247-855-11	CARBON 10K	5%	1/4W		
R614	1-247-855-11	CARBON 10K	5%	1/4W		
R615	1-247-855-11	CARBON 10K	5%	1/4W		

Ref. No.	Part No.	Description			Remarks	Ref. No.	Part No.	Description			Remarks
R616	1-247-855-11	CARBON	10K	5%	1/4W	R703	1-249-410-11	CARBON	270	5%	1/4W F
R617	1-247-807-11	CARBON	100	5%	1/4W	R704	1-247-855-11	CARBON	10K	5%	1/4W
R618	1-247-807-11	CARBON	100	5%	1/4W	R705	1-249-417-11	CARBON	1K	5%	1/4W F
R619	1-247-827-11	CARBON	680	5%	1/4W	R706	1-247-855-11	CARBON	10K	5%	1/4W
R620	1-249-416-11	CARBON	820	5%	1/4W F	R707	1-247-855-11	CARBON	10K	5%	1/4W
R621	1-249-418-11	CARBON	1.2K	5%	1/4W F	R709	1-247-871-11	CARBON	47K	5%	1/4W
R622	1-247-835-11	CARBON	1.5K	5%	1/4W	R710	1-247-895-00	CARBON	470K	5%	1/4W
R623	1-247-839-11	CARBON	2.2K	5%	1/4W	R711	1-247-835-11	CARBON	1.5K	5%	1/4W
R624	1-247-843-11	CARBON	3.3K	5%	1/4W	R713	1-247-871-11	CARBON	47K	5%	1/4W
R625	1-247-847-11	CARBON	4.7K	5%	1/4W	R714	1-247-895-00	CARBON	470K	5%	1/4W
R626	1-249-428-11	CARBON	8.2K	5%	1/4W F	R715	1-247-835-11	CARBON	1.5K	5%	1/4W
R627	1-249-430-11	CARBON	12K	5%	1/4W	R717	1-247-871-11	CARBON	47K	5%	1/4W
R628	1-249-434-11	CARBON	27K	5%	1/4W	R718	1-247-895-00	CARBON	470K	5%	1/4W
R629	1-247-827-11	CARBON	680	5%	1/4W	R719	1-247-835-11	CARBON	1.5K	5%	1/4W
R630	1-249-416-11	CARBON	820	5%	1/4W F	R721	1-247-871-11	CARBON	47K	5%	1/4W
R631	1-249-418-11	CARBON	1.2K	5%	1/4W F	R722	1-247-895-00	CARBON	470K	5%	1/4W
R632	1-247-835-11	CARBON	1.5K	5%	1/4W	R723	1-247-871-11	CARBON	47K	5%	1/4W
R633	1-247-839-11	CARBON	2.2K	5%	1/4W	R724	1-247-895-00	CARBON	470K	5%	1/4W
R634	1-247-843-11	CARBON	3.3K	5%	1/4W	R725	1-247-847-11	CARBON	4.7K	5%	1/4W
R635	1-247-847-11	CARBON	4.7K	5%	1/4W	R726	1-247-847-11	CARBON	4.7K	5%	1/4W
R636	1-249-428-11	CARBON	8.2K	5%	1/4W F	R727	1-247-847-11	CARBON	4.7K	5%	1/4W
R637	1-249-431-11	CARBON	15K	5%	1/4W	R728	1-247-863-11	CARBON	22K	5%	1/4W
R639	1-247-827-11	CARBON	680	5%	1/4W	R729	1-247-863-11	CARBON	22K	5%	1/4W
R640	1-249-416-11	CARBON	820	5%	1/4W F	R730	1-247-855-11	CARBON	10K	5%	1/4W
R641	1-249-418-11	CARBON	1.2K	5%	1/4W F	R731	1-247-847-11	CARBON	4.7K	5%	1/4W
R642	1-247-835-11	CARBON	1.5K	5%	1/4W	R732	1-247-847-11	CARBON	4.7K	5%	1/4W
R643	1-247-839-11	CARBON	2.2K	5%	1/4W	R733	1-247-847-11	CARBON	4.7K	5%	1/4W
R644	1-247-843-11	CARBON	3.3K	5%	1/4W	R734	1-247-847-11	CARBON	4.7K	5%	1/4W
R645	1-247-847-11	CARBON	4.7K	5%	1/4W	R735	1-249-417-11	CARBON	1K	5%	1/4W F
R646	1-249-428-11	CARBON	8.2K	5%	1/4W F	R736	1-249-417-11	CARBON	1K	5%	1/4W F
R647	1-249-431-11	CARBON	15K	5%	1/4W	R737	1-247-847-11	CARBON	4.7K	5%	1/4W
R648	1-247-827-11	CARBON	680	5%	1/4W	R738	1-247-839-11	CARBON	2.2K	5%	1/4W
R649	1-249-416-11	CARBON	820	5%	1/4W F	R739	1-247-855-11	CARBON	10K	5%	1/4W
R653	1-247-827-11	CARBON	680	5%	1/4W	R741	1-247-839-11	CARBON	2.2K	5%	1/4W
R654	1-249-416-11	CARBON	820	5%	1/4W F	R745	1-249-417-11	CARBON	1K	5%	1/4W F
R670	1-247-855-11	CARBON	10K	5%	1/4W (DR3:SP)	R746	1-249-417-11	CARBON	1K	5%	1/4W F
R675	1-247-871-11	CARBON	47K	5%	1/4W	R747	1-247-839-11	CARBON	2.2K	5%	1/4W
R676	1-247-855-11	CARBON	10K	5%	1/4W	R748	1-247-839-11	CARBON	2.2K	5%	1/4W
R678	1-247-855-11	CARBON	10K	5%	1/4W	R749	1-247-846-11	CARBON	4.3K	5%	1/4W
R679	1-247-855-11	CARBON	10K	5%	1/4W	R750	1-249-417-11	CARBON	1K	5%	1/4W F
R681	1-249-410-11	CARBON	270	5%	1/4W F	R751	1-249-410-11	CARBON	270	5%	1/4W F
R682	1-249-410-11	CARBON	270	5%	1/4W F	R752	1-249-410-11	CARBON	270	5%	1/4W F
R683	1-249-410-11	CARBON	270	5%	1/4W F	R756	1-247-839-11	CARBON	2.2K	5%	1/4W
R684	1-249-410-11	CARBON	270	5%	1/4W F	R757	1-247-839-11	CARBON	2.2K	5%	1/4W
R685	1-247-855-11	CARBON	10K	5%	1/4W	R758	1-247-835-11	CARBON	1.5K	5%	1/4W
R687	1-249-410-11	CARBON	270	5%	1/4W F	R759	1-249-418-11	CARBON	1.2K	5%	1/4W F
R688	1-249-410-11	CARBON	270	5%	1/4W F	R761	1-247-871-11	CARBON	47K	5%	1/4W
R689	1-249-410-11	CARBON	270	5%	1/4W F	R762	1-247-879-11	CARBON	100K	5%	1/4W
R690	1-249-410-11	CARBON	270	5%	1/4W F	R763	1-247-879-11	CARBON	100K	5%	1/4W
R691	1-249-410-11	CARBON	270	5%	1/4W F	R764	1-247-887-00	CARBON	220K	5%	1/4W
R692	1-249-410-11	CARBON	270	5%	1/4W F	R770	1-247-847-11	CARBON	4.7K	5%	1/4W
R693	1-249-407-11	CARBON	150	5%	1/4W F	R771	1-247-855-11	CARBON	10K	5%	1/4W
R694	1-249-407-11	CARBON	150	5%	1/4W F	R772	1-247-847-11	CARBON	4.7K	5%	1/4W
R695	1-249-410-11	CARBON	270	5%	1/4W F	R773	1-249-417-11	CARBON	1K	5%	1/4W F
R697	1-249-407-11	CARBON	150	5%	1/4W F	< SWITCH >					
R698	1-249-407-11	CARBON	150	5%	1/4W F	S601	1-762-875-11	SWITCH, KEYBOARD (TAPE A, ►)			
R699	1-249-407-11	CARBON	150	5%	1/4W F	S602	1-762-875-11	SWITCH, KEYBOARD (TAPE A, ◀)			
R700	1-249-407-11	CARBON	150	5%	1/4W F	S603	1-762-875-11	SWITCH, KEYBOARD (TAPE A, ■)			
R701	1-247-847-11	CARBON	4.7K	5%	1/4W	S604	1-762-875-11	SWITCH, KEYBOARD (TAPE A, ◀◀)			
R702	1-249-410-11	CARBON	270	5%	1/4W F	S605	1-762-875-11	SWITCH, KEYBOARD (TAPE A, ►►)			

FRONT

H/P

LED

MAIN

Ref. No.	Part No.	Description	Remarks
S606	1-762-875-11	SWITCH, KEYBOARD (TAPE B, ►)	
S607	1-762-875-11	SWITCH, KEYBOARD (TAPE B, ◀)	
S608	1-762-875-11	SWITCH, KEYBOARD (TAPE B, ■)	
S609	1-762-875-11	SWITCH, KEYBOARD (TAPE B, ►►)	
S610	1-762-875-11	SWITCH, KEYBOARD (TAPE B, ◀◀)	
S611	1-762-875-11	SWITCH, KEYBOARD (■ PAUSE)	
S612	1-762-875-11	SWITCH, KEYBOARD (TUNING +)	
S613	1-762-875-11	SWITCH, KEYBOARD (TUNING -)	
S614	1-762-875-11	SWITCH, KEYBOARD (ROCK)	
S615	1-762-875-11	SWITCH, KEYBOARD (POPS)	
S616	1-762-875-11	SWITCH, KEYBOARD (JAZZ)	
S617	1-762-875-11	SWITCH, KEYBOARD (SALSA)	
S618	1-762-875-11	SWITCH, KEYBOARD (FLAT)	
S619	1-762-875-11	SWITCH, KEYBOARD (STEREO/MONO)	
S620	1-762-875-11	SWITCH, KEYBOARD (DBFB)	
S621	1-762-875-11	SWITCH, KEYBOARD (SURROUND)	
S622	1-762-875-11	SWITCH, KEYBOARD (FUNCTION)	
S623	1-762-875-11	SWITCH, KEYBOARD (POWER)	
S624	1-762-875-11	SWITCH, KEYBOARD (CLOCK SET)	
S625	1-762-875-11	SWITCH, KEYBOARD (DAIL)	
S626	1-762-875-11	SWITCH, KEYBOARD (TIMER REC)	
S627	1-762-875-11	SWITCH, KEYBOARD (SLEEP)	
S628	1-762-875-11	SWITCH, KEYBOARD (DISPLAY/DEMO)	
S629	1-762-875-11	SWITCH, KEYBOARD (SPECTRUM ANALYZER)	
S630	1-762-875-11	SWITCH, KEYBOARD (TUNER MEMORY)	
S631	1-762-875-11	SWITCH, KEYBOARD (ENTER/NEXT)	
S632	1-762-875-11	SWITCH, KEYBOARD (TUNER/BAND)	
S633	1-762-875-11	SWITCH, KEYBOARD (TUNING MODE)	
S634	1-762-875-11	SWITCH, KEYBOARD (GROONE)	
S635	1-762-875-11	SWITCH, KEYBOARD (DIRECTION)	
S636	1-762-875-11	SWITCH, KEYBOARD (DOLBY NR)	
S637	1-762-875-11	SWITCH, KEYBOARD (● REC)	
S638	1-762-875-11	SWITCH, KEYBOARD (CD SYNCHRO)	
< ADJUSTABLE RESISTOR >			
SFR601	1-228-991-00	RES, ADJ, METAL2.2K	
< VIBRATOR >			
X601	1-579-743-11	VIBRATOR, CRYSTAL 6MHz	

	1-674-641-11	H/P BOARD	

< JACK >			
JK701	1-569-612-11	JACK, MINIATURE (PHONES)	

	1-674-637-11	LED BOARD	

< LED >			
D07	8-719-301-44	LED SEL2410E-C-TP (CASEETTE BOX BACK LIGHT)	
D08	8-719-301-44	LED SEL2410E-C-TP (CASEETTE BOX BACK LIGHT)	
D09	8-719-301-44	LED SEL2410E-C-TP (CASEETTE BOX BACK LIGHT)	
D10	8-719-301-44	LED SEL2410E-C-TP (CASEETTE BOX BACK LIGHT)	

Ref. No.	Part No.	Description	Remarks
< RESISTOR >			
R448	1-249-409-11	CARBON 220 5% 1/4W F (DR3:E,MX,AR/DR330/XB200)	

	A-4426-407-A	MAIN BOARD, COMPLETE (XB200)	

	A-4426-408-A	MAIN BOARD, COMPLETE (DR3:E,SP,AR)	

	A-4426-409-A	MAIN BOARD, COMPLETE (DR3:AUS)	

	A-4426-410-A	MAIN BOARD, COMPLETE (DR3:MX/DR330)	

< CAPACITOR >			
C107	1-162-306-11	CERAMIC 0.01uF 20% 16V (XB200)	
C108	1-126-933-11	ELECT 100uF 20% 16V	
C113	1-164-159-11	CERAMIC 0.1uF 50V	
C114	1-164-159-11	CERAMIC 0.1uF 50V	
C115	1-164-206-41	CERAMIC 0.047uF 99% 50V	
C116	1-130-467-00	MYLAR 470PF 5% 50V	
C117	1-162-206-31	CERAMIC 20PF 5% 50V	
C118	1-126-933-11	ELECT 100uF 20% 16V	
C120	1-161-494-00	CERAMIC 0.022uF 25V	
C121	1-162-211-31	CERAMIC 33PF 5% 50V	
C122	1-126-960-11	ELECT 1uF 20% 50V	
C123	1-126-959-11	ELECT 0.47uF 20% 50V	
C124	1-162-206-31	CERAMIC 20PF 5% 50V	
C125	1-126-960-11	ELECT 1uF 20% 50V	
C126	1-164-206-41	CERAMIC 0.047uF 99% 50V	
C127	1-126-964-11	ELECT 10uF 20% 50V	
C128	1-161-494-00	CERAMIC 0.022uF 25V	
C129	1-126-964-11	ELECT 10uF 20% 50V	
C130	1-137-352-11	FILM 0.033uF 5% 100V	
C131	1-137-352-11	FILM 0.033uF 5% 100V	
C132	1-137-504-11	FILM 150PF 5% 50V	
C133	1-137-504-11	FILM 150PF 5% 50V	
C135	1-162-293-31	CERAMIC 820PF 10% 50V	
C137	1-126-963-11	ELECT 4.7uF 20% 50V	
C138	1-137-397-11	FILM 0.047uF 5% 100V	
C139	1-161-494-00	CERAMIC 0.022uF 25V	
C140	1-126-933-11	ELECT 100uF 20% 16V	
C141	1-161-494-00	CERAMIC 0.022uF 25V	
C142	1-126-933-11	ELECT 100uF 20% 16V	
C143	1-137-401-11	FILM 0.22uF 5% 100V	
C144	1-137-393-11	FILM 0.01uF 5% 100V	
C146	1-162-294-31	CERAMIC 0.001uF 10% 50V	
C148	1-161-494-00	CERAMIC 0.022uF 25V	
C149	1-162-294-31	CERAMIC 0.001uF 10% 50V	
C150	1-164-159-11	CERAMIC 0.1uF 50V	
C151	1-128-551-11	ELECT 22uF 20% 25V	
C152	1-162-282-31	CERAMIC 100PF 10% 50V	
C154	1-164-159-11	CERAMIC 0.1uF 50V	
C155	1-162-294-31	CERAMIC 0.001uF 10% 50V	
C156	1-102-516-11	CERAMIC 27PF 5% 50V	
C157	1-102-516-11	CERAMIC 27PF 5% 50V	
C158	1-104-664-11	ELECT 47uF 20% 16V	
C159	1-162-306-11	CERAMIC 0.01uF 20% 16V	
C160	1-126-963-11	ELECT 4.7uF 20% 50V	
C161	1-126-963-11	ELECT 4.7uF 20% 50V	

Ref. No.	Part No.	Description	Remarks			Ref. No.	Part No.	Description	Remarks		
C162	1-161-494-00	CERAMIC	0.022uF		25V	C236	1-126-961-11	ELECT	2.2uF	20%	50V
C163	1-161-494-00	CERAMIC	0.022uF		25V	C237	1-109-889-11	ELECT	1uF	20%	50V
C164	1-126-962-11	ELECT	3.3uF	20%	50V	C238	1-126-933-11	ELECT	100uF	20%	16V
C165	1-162-306-11	CERAMIC	0.01uF	20%	16V	C239	1-162-302-11	CERAMIC	0.0022uF	30%	16V
C166	1-162-306-11	CERAMIC	0.01uF	20%	16V	C240	1-162-286-31	CERAMIC	220PF	10%	50V
					(XB200)						
C167	1-162-199-31	CERAMIC	10PF	5%	50V	C241	1-137-352-11	FILM	0.033uF	5%	100V
					(XB200)	C242	1-137-352-11	FILM	0.033uF	5%	100V
C177	1-161-494-00	CERAMIC	0.022uF		25V	C243	1-107-357-11	FILM	0.47uF	5%	100V
C179	1-162-294-31	CERAMIC	0.001uF	10%	50V	C244	1-107-357-11	FILM	0.47uF	5%	100V
C185	1-162-306-11	CERAMIC	0.01uF	20%	16V	C245	1-161-494-00	CERAMIC	0.022uF		25V
C186	1-162-306-11	CERAMIC	0.01uF	20%	16V						
C187	1-161-494-00	CERAMIC	0.022uF		25V	C246	1-161-494-00	CERAMIC	0.022uF		25V
C188	1-126-963-11	ELECT	4.7uF	20%	50V	C248	1-126-961-11	ELECT	2.2uF	20%	50V
C189	1-162-600-11	CERAMIC	0.0047uF	30%	16V	C249	1-126-961-11	ELECT	2.2uF	20%	50V
C193	1-162-290-31	CERAMIC	470PF	10%	50V	C250	1-164-159-11	CERAMIC	0.1uF		50V
					(XB200)	C251	1-126-963-11	ELECT	4.7uF	20%	50V
C194	1-162-286-31	CERAMIC	220PF	10%	50V	C252	1-126-963-11	ELECT	4.7uF	20%	50V
C195	1-162-286-31	CERAMIC	220PF	10%	50V	C255	1-164-159-11	CERAMIC	0.1uF		50V
C196	1-162-286-31	CERAMIC	220PF	10%	50V	C256	1-126-961-11	ELECT	2.2uF	20%	50V
C197	1-162-286-31	CERAMIC	220PF	10%	50V	C257	1-126-961-11	ELECT	2.2uF	20%	50V
C198	1-126-959-11	ELECT	0.47uF	20%	50V	C260	1-164-159-11	CERAMIC	0.1uF		50V
C199	1-162-282-31	CERAMIC	100PF	10%	50V						
					(XB200)	C301	1-126-961-11	ELECT	2.2uF	20%	50V
C201	1-162-302-11	CERAMIC	0.0022uF	30%	16V	C302	1-126-961-11	ELECT	2.2uF	20%	50V
C202	1-162-302-11	CERAMIC	0.0022uF	30%	16V	C303	1-162-288-31	CERAMIC	330PF	10%	50V
C203	1-162-282-31	CERAMIC	100PF	10%	50V	C304	1-162-288-31	CERAMIC	330PF	10%	50V
C204	1-162-282-31	CERAMIC	100PF	10%	50V	C305	1-162-286-31	CERAMIC	220PF	10%	50V
C205	1-162-290-31	CERAMIC	470PF	10%	50V						
C206	1-162-290-31	CERAMIC	470PF	10%	50V	C306	1-162-286-31	CERAMIC	220PF	10%	50V
C207	1-162-294-31	CERAMIC	0.001uF	10%	50V	C307	1-162-288-31	CERAMIC	330PF	10%	50V
C208	1-162-294-31	CERAMIC	0.001uF	10%	50V	C308	1-162-288-31	CERAMIC	330PF	10%	50V
C209	1-162-302-11	CERAMIC	0.0022uF	30%	16V	C309	1-126-961-11	ELECT	2.2uF	20%	50V
C210	1-162-302-11	CERAMIC	0.0022uF	30%	16V	C310	1-126-961-11	ELECT	2.2uF	20%	50V
C211	1-102-128-00	CERAMIC	0.0082uF	10%	50V						
C212	1-102-128-00	CERAMIC	0.0082uF	10%	50V	C311	1-126-933-11	ELECT	100uF	20%	16V
C213	1-126-959-11	ELECT	0.47uF	20%	50V	C312	1-126-933-11	ELECT	100uF	20%	16V
C214	1-126-959-11	ELECT	0.47uF	20%	50V	C313	1-162-288-31	CERAMIC	330PF	10%	50V
C215	1-126-933-11	ELECT	100uF	20%	16V	C314	1-162-288-31	CERAMIC	330PF	10%	50V
C216	1-126-933-11	ELECT	100uF	20%	16V	C315	1-137-399-11	FILM	0.1uF	5%	100V
C217	1-162-294-31	CERAMIC	0.001uF	10%	50V						
C218	1-162-294-31	CERAMIC	0.001uF	10%	50V	C316	1-137-399-11	FILM	0.1uF	5%	100V
C219	1-126-959-11	ELECT	0.47uF	20%	50V	C317	1-137-399-11	FILM	0.1uF	5%	100V
C220	1-126-959-11	ELECT	0.47uF	20%	50V	C318	1-137-399-11	FILM	0.1uF	5%	100V
C221	1-126-961-11	ELECT	2.2uF	20%	50V	C319	1-162-282-31	CERAMIC	100PF	10%	50V
C222	1-126-961-11	ELECT	2.2uF	20%	50V	C320	1-162-282-31	CERAMIC	100PF	10%	50V
C223	1-104-664-11	ELECT	47uF	20%	16V						
C224	1-126-964-11	ELECT	10uF	20%	50V	C321	1-126-933-11	ELECT	100uF	20%	16V
C225	1-126-964-11	ELECT	10uF	20%	50V	C322	1-126-933-11	ELECT	100uF	20%	16V
C226	1-104-664-11	ELECT	47uF	20%	16V	C323	1-126-960-11	ELECT	1uF	20%	50V
C227	1-126-961-11	ELECT	2.2uF	20%	50V	C324	1-126-960-11	ELECT	1uF	20%	50V
C228	1-126-961-11	ELECT	2.2uF	20%	50V	C325	1-126-963-11	ELECT	4.7uF	20%	50V
C229	1-162-199-31	CERAMIC	10PF	5%	50V						
C230	1-162-199-31	CERAMIC	10PF	5%	50V	C327	1-126-934-11	ELECT	220uF	20%	16V
C231	1-126-961-11	ELECT	2.2uF	20%	50V	C328	1-126-961-11	ELECT	2.2uF	20%	50V
C232	1-126-961-11	ELECT	2.2uF	20%	50V	C329	1-126-961-11	ELECT	2.2uF	20%	50V
C233	1-126-962-11	ELECT	3.3uF	20%	50V	C330	1-126-933-11	ELECT	100uF	20%	16V
C234	1-126-962-11	ELECT	3.3uF	20%	50V	C333	1-126-933-11	ELECT	100uF	20%	16V
C235	1-126-961-11	ELECT	2.2uF	20%	50V						
						C334	1-126-933-11	ELECT	100uF	20%	16V
						C335	1-161-494-00	CERAMIC	0.022uF		25V
						C336	1-126-933-11	ELECT	100uF	20%	16V
						C337	1-126-934-11	ELECT	220uF	20%	16V
						C338	1-161-494-00	CERAMIC	0.022uF		25V
						C339	1-161-494-00	CERAMIC	0.022uF		25V
						C340	1-126-933-11	ELECT	100uF	20%	16V
						C341	1-126-933-11	ELECT	100uF	20%	16V
						C342	1-164-159-11	CERAMIC	0.1uF		50V
						C343	1-161-494-00	CERAMIC	0.022uF		25V

Ref. No.	Part No.	Description				Remarks	Ref. No.	Part No.	Description				Remarks
C345	1-109-953-11	ELECT	2.2uF	20%	50V		C862	1-126-964-11	ELECT	10uF	20%	50V	
C346	1-137-401-11	FILM	0.22uF	5%	100V		C863	1-126-964-11	ELECT	10uF	20%	50V	
C347	1-162-294-31	CERAMIC	0.001uF	10%	50V		C864	1-126-964-11	ELECT	10uF	20%	50V	
C801	1-162-292-31	CERAMIC	680PF	10%	50V		C865	1-162-290-31	CERAMIC	470PF	10%	50V	
C802	1-162-292-31	CERAMIC	680PF	10%	50V		C866	1-162-290-31	CERAMIC	470PF	10%	50V	
C803	1-162-292-31	CERAMIC	680PF	10%	50V		C867	1-128-551-11	ELECT	22uF	20%	25V	
C804	1-162-292-31	CERAMIC	680PF	10%	50V		C868	1-126-964-11	ELECT	10uF	20%	50V	
C805	1-164-159-11	CERAMIC	0.1uF		50V		C869	1-126-956-11	ELECT	0.1uF	20%	50V	
C806	1-126-933-11	ELECT	100uF	20%	16V		C870	1-126-956-11	ELECT	0.1uF	20%	50V	
C807	1-126-963-11	ELECT	4.7uF	20%	50V		C875	1-136-298-00	FILM	0.0033uF	5%	100V	
C808	1-126-963-11	ELECT	4.7uF	20%	50V		C876	1-161-494-00	CERAMIC	0.022uF		25V	
C809	1-126-960-11	ELECT	1uF	20%	50V		C877	1-126-961-11	ELECT	2.2uF	20%	50V	
C811	1-126-964-11	ELECT	10uF	20%	50V		C880	1-137-391-11	FILM	0.0047uF	5%	100V	
C812	1-126-964-11	ELECT	10uF	20%	50V		C881	1-136-298-00	FILM	0.0033uF	5%	100V	
C813	1-162-288-31	CERAMIC	330PF	10%	50V		C882	1-137-350-11	FILM	0.015uF	5%	100V	
C814	1-162-288-31	CERAMIC	330PF	10%	50V		C883	1-162-292-31	CERAMIC	680PF	10%	50V	
C815	1-162-288-31	CERAMIC	330PF	10%	50V		C884	1-162-292-31	CERAMIC	680PF	10%	50V	
C816	1-162-288-31	CERAMIC	330PF	10%	50V		C885	1-162-286-31	CERAMIC	220PF	10%	50V	
C817	1-162-306-11	CERAMIC	0.01uF	20%	16V		C886	1-162-286-31	CERAMIC	220PF	10%	50V	
C818	1-162-306-11	CERAMIC	0.01uF	20%	16V		C887	1-130-481-00	MYLAR	0.0068uF	5%	50V	
C819	1-126-963-11	ELECT	4.7uF	20%	50V		C888	1-104-664-11	ELECT	47uF	20%	16V	
C820	1-126-963-11	ELECT	4.7uF	20%	50V		C891	1-126-960-11	ELECT	1uF	20%	50V	
C821	1-162-293-31	CERAMIC	820PF	10%	50V		C892	1-162-219-31	CERAMIC	68PF	5%	50V	
C822	1-162-293-31	CERAMIC	820PF	10%	50V		C893	1-162-219-31	CERAMIC	68PF	5%	50V	
C823	1-162-282-31	CERAMIC	100PF	10%	50V		C894	1-126-963-11	ELECT	4.7uF	20%	50V	
C824	1-162-282-31	CERAMIC	100PF	10%	50V		C895	1-126-963-11	ELECT	4.7uF	20%	50V	
C825	1-164-159-11	CERAMIC	0.1uF		50V		C896	1-104-664-11	ELECT	47uF	20%	16V	
C826	1-126-933-11	ELECT	100uF	20%	16V		C901	1-164-159-11	CERAMIC	0.1uF		50V	
C827	1-126-964-11	ELECT	10uF	20%	50V		C902	1-164-159-11	CERAMIC	0.1uF		50V	
C828	1-104-664-11	ELECT	47uF	20%	16V		C903	1-126-960-11	ELECT	1uF	20%	50V	
C829	1-126-934-11	ELECT	220uF	20%	16V		C904	1-126-960-11	ELECT	1uF	20%	50V	
C830	1-126-933-11	ELECT	100uF	20%	16V		C905	1-126-959-11	ELECT	0.47uF	20%	50V	
C831	1-126-960-11	ELECT	1uF	20%	50V		C906	1-126-933-11	ELECT	100uF	20%	16V	
C832	1-126-960-11	ELECT	1uF	20%	50V		C907	1-126-956-11	ELECT	0.1uF	20%	50V	
C833	1-162-282-31	CERAMIC	100PF	10%	50V		C908	1-126-956-11	ELECT	0.1uF	20%	50V	
C834	1-162-282-31	CERAMIC	100PF	10%	50V		C921	1-126-964-11	ELECT	10uF	20%	50V	
C835	1-162-287-31	CERAMIC	270PF	10%	50V		C922	1-126-964-11	ELECT	10uF	20%	50V	
C836	1-162-287-31	CERAMIC	270PF	10%	50V		C925	1-126-964-11	ELECT	10uF	20%	50V	
C837	1-162-287-31	CERAMIC	270PF	10%	50V		< FILTER >						
C838	1-162-287-31	CERAMIC	270PF	10%	50V		CF101	1-567-415-71	FILTER, CERAMIC (XB200)				
C839	1-126-960-11	ELECT	1uF	20%	50V		CF101	1-567-390-11	FILTER,CERAMIC 10.7M (DR3/DR330)				
C840	1-126-960-11	ELECT	1uF	20%	50V		CF102	1-567-415-11	FILTER, CERAMIC (DR3/DR330)				
C841	1-164-736-31	CERAMIC	0.0012uF	10%	50V		CF102	1-567-415-71	FILTER, CERAMIC (XB200)				
C842	1-164-736-31	CERAMIC	0.0012uF	10%	50V		CF103	1-527-996-11	FILTER, CERAMIC				
C845	1-162-285-31	CERAMIC	180PF	10%	50V		CF104	1-567-415-71	FILTER, CERAMIC				
C846	1-162-285-31	CERAMIC	180PF	10%	50V		< CONNECTOR >						
C847	1-126-960-11	ELECT	1uF	20%	50V		* CN301	1-564-708-11	PIN, CONNECTOR (SMALL TYPE) 6P				
C848	1-126-960-11	ELECT	1uF	20%	50V		< DIODE >						
C849	1-126-933-11	ELECT	100uF	20%	16V		D101	8-719-911-19	DIODE	1SS133			
C851	1-109-889-11	ELECT	1uF	20%	50V		D102	8-719-911-19	DIODE	1SS133			
C852	1-109-889-11	ELECT	1uF	20%	50V		D103	8-719-911-19	DIODE	1SS133			
C853	1-102-120-00	CERAMIC	0.0018uF	10%	50V		D104	8-719-911-19	DIODE	1SS133			
C854	1-102-120-00	CERAMIC	0.0018uF	10%	50V		D107	8-719-053-11	DIODE	KV1560-TL34			
C855	1-126-964-11	ELECT	10uF	20%	50V		D109	8-719-911-19	DIODE	1SS133			
C856	1-126-964-11	ELECT	10uF	20%	50V		D110	8-719-010-41	DIODE	UZ-5.6BSA			
C857	1-126-933-11	ELECT	100uF	20%	16V		D111	8-719-911-19	DIODE	1SS133			
C858	1-126-933-11	ELECT	100uF	20%	16V		D301	8-719-911-19	DIODE	1SS133			
C859	1-126-956-11	ELECT	0.1uF	20%	50V		D302	8-719-911-19	DIODE	1SS133			
C860	1-126-956-11	ELECT	0.1uF	20%	50V								
C861	1-126-964-11	ELECT	10uF	20%	50V								

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
D303	8-719-010-73	DIODE UZ-12BSA		Q201	8-729-194-57	TRANSISTOR 2SC945TP-P	
D304	8-719-010-45	DIODE UZ-6.2BSA		Q202	8-729-194-57	TRANSISTOR 2SC945TP-P	
D305	8-719-911-19	DIODE 1SS133		Q203	8-729-194-57	TRANSISTOR 2SC945TP-P	
D306	8-719-911-19	DIODE 1SS133		Q204	8-729-194-57	TRANSISTOR 2SC945TP-P	
D307	8-719-010-45	DIODE UZ-6.2BSA		Q205	8-729-026-29	TRANSISTOR 2SJ346	
D308	8-719-010-45	DIODE UZ-6.2BSA		Q206	8-729-194-57	TRANSISTOR 2SC945TP-P	
D802	8-719-911-19	DIODE 1SS133		Q207	8-729-194-57	TRANSISTOR 2SC945TP-P	
D803	8-719-911-19	DIODE 1SS133		Q208	8-729-194-57	TRANSISTOR 2SC945TP-P	
D804	8-719-911-19	DIODE 1SS133		Q209	8-729-194-57	TRANSISTOR 2SC945TP-P	
D805	8-719-911-19	DIODE 1SS133		Q210	8-729-026-29	TRANSISTOR 2SJ346	
D806	8-719-911-19	DIODE 1SS133		Q301	8-729-194-57	TRANSISTOR 2SC945TP-P	
D807	8-719-911-19	DIODE 1SS133		Q302	8-729-194-57	TRANSISTOR 2SC945TP-P	
D808	8-719-911-19	DIODE 1SS133		Q303	8-729-194-57	TRANSISTOR 2SC945TP-P	
D811	8-719-911-19	DIODE 1SS133		Q304	8-729-194-57	TRANSISTOR 2SC945TP-P	
D812	8-719-911-19	DIODE 1SS133		Q305	8-729-224-62	TRANSISTOR 2SK246-GR	
< FRONTEND >				Q306	8-729-026-29	TRANSISTOR 2SJ346	
FE101	1-693-422-11	FRONT END		Q308	8-729-232-32	TRANSISTOR 2SA965-O/Y(TPE6)	
< IC >				Q309	8-729-140-96	TRANSISTOR 2SC2060-R	
IC102	8-759-590-14	IC LA1833L		Q310	8-729-140-96	TRANSISTOR 2SC2060-R	
IC103	8-759-590-13	IC LC72131D		Q801	8-729-194-57	TRANSISTOR 2SC945TP-P	
IC201	8-759-595-07	IC M62443FP		Q802	8-729-194-57	TRANSISTOR 2SC945TP-P	
IC202	8-759-634-51	IC NJM4558D		Q803	8-729-194-57	TRANSISTOR 2SC945TP-P	
IC203	8-759-000-49	IC TC4066BP		Q804	8-729-194-57	TRANSISTOR 2SC945TP-P	
IC301	8-759-634-51	IC NJM4558D		Q805	8-729-194-57	TRANSISTOR 2SC945TP-P	
IC302	8-759-634-51	IC NJM4558D		Q806	8-729-194-57	TRANSISTOR 2SC945TP-P	
IC303	8-759-634-51	IC NJM4558D		Q807	8-729-194-57	TRANSISTOR 2SC945TP-P	
IC801	8-759-206-23	IC TA7784P		Q808	8-729-194-57	TRANSISTOR 2SC945TP-P	
IC802	8-759-545-67	IC TA8135P		Q809	8-729-194-57	TRANSISTOR 2SC945TP-P	
IC803	8-752-056-08	IC CXA1551P		Q810	8-729-194-57	TRANSISTOR 2SC945TP-P	
< JACK >				Q811	8-729-194-57	TRANSISTOR 2SC945TP-P	
JK101	1-694-092-21	TERMINAL BOARD (SPEAKER)(DR3/DR330)		Q812	8-729-194-57	TRANSISTOR 2SC945TP-P	
JK101	1-694-126-11	TERMINAL BOARD (SPEAKER)(XB200)		Q813	8-729-194-57	TRANSISTOR 2SC945TP-P	
JK201	1-779-688-11	JACK, PIN 6P (MD/VIDEO IN/OUT,PHONO IN)		Q814	8-729-194-57	TRANSISTOR 2SC945TP-P	
< COIL >				Q815	8-729-194-57	TRANSISTOR 2SC945TP-P	
L104	1-411-901-11	COIL, ANTENNA		Q816	8-729-142-46	TRANSISTOR 2SC2001-L1	
L105	1-429-555-11	TRANSFORMER, MW OSC		Q817	8-729-142-46	TRANSISTOR 2SC2001-L1	
L106	1-412-507-11	INDUCTOR 47uH		Q822	8-729-194-57	TRANSISTOR 2SC945TP-P	
L108	1-412-503-11	INDUCTOR 22uH		Q823	8-729-119-76	TRANSISTOR 2SA733TP-P	
L109	1-410-521-11	INDUCTOR 100uH (XB200)		Q825	8-729-194-57	TRANSISTOR 2SC945TP-P	
L113	1-412-503-11	INDUCTOR 22uH		Q826	8-729-194-57	TRANSISTOR 2SC945TP-P	
L114	1-412-503-11	INDUCTOR 22uH		Q829	8-729-194-57	TRANSISTOR 2SC945TP-P	
L301	1-408-096-00	INDUCTOR 470uH		Q830	8-729-119-76	TRANSISTOR 2SA733TP-P	
L801	1-410-775-11	INDUCTOR 10mH		Q831	8-729-194-57	TRANSISTOR 2SC945TP-P	
L802	1-410-775-11	INDUCTOR 10mH		Q832	8-729-194-57	TRANSISTOR 2SC945TP-P	
L803	1-236-147-11	FILTER, LOW PASS		Q833	8-729-194-57	TRANSISTOR 2SC945TP-P	
L804	1-236-147-11	FILTER, LOW PASS		< RESISTOR >			
L805	1-239-597-11	FILTER, LOW PASS		R104	1-249-409-11	CARBON 220	5% 1/4W F
L806	1-239-597-11	FILTER, LOW PASS		R105	1-249-417-11	CARBON 1K	5% 1/4W F
L808	1-408-096-00	INDUCTOR 470uH		R106	1-247-807-11	CARBON 100	5% 1/4W
L809	1-433-412-11	TRANSFORMER, BIAS OSCILLATION		R106	1-247-849-11	CARBON 5.6K	5% 1/4W
< TRANSISTOR >				R107	1-249-427-11	CARBON 6.8K	5% 1/4W F
Q101	8-729-015-41	TRANSISTOR 2SC1675-T1		R112	1-247-698-11	CARBON 68	5% 1/4W F
Q108	8-729-041-83	TRANSISTOR 2SK544E		R113	1-249-417-11	CARBON 1K	5% 1/4W F
Q114	8-729-026-29	TRANSISTOR 2SJ346		R114	1-247-871-11	CARBON 47K	5% 1/4W
Q116	8-729-194-57	TRANSISTOR 2SC945TP-P		R115	1-249-417-11	CARBON 1K	5% 1/4W F
Q117	8-729-194-57	TRANSISTOR 2SC945TP-P		R116	1-249-397-11	CARBON 22	5% 1/4W F
				R117	1-247-839-11	CARBON 2.2K	5% 1/4W
				R118	1-247-807-11	CARBON 100	5% 1/4W
				R119	1-249-410-11	CARBON 270	5% 1/4W F
				R120	1-247-843-11	CARBON 3.3K	5% 1/4W
				R121	1-247-855-11	CARBON 10K	5% 1/4W

MAIN

Ref. No.	Part No.	Description				Remarks	Ref. No.	Part No.	Description				Remarks
R123	1-249-428-11	CARBON	8.2K	5%	1/4W	F	R232	1-247-839-11	CARBON	2.2K	5%	1/4W	
R124	1-247-843-11	CARBON	3.3K	5%	1/4W		R233	1-249-427-11	CARBON	6.8K	5%	1/4W	F
R126	1-249-417-11	CARBON	1K	5%	1/4W	F	R234	1-249-427-11	CARBON	6.8K	5%	1/4W	F
R127	1-249-417-11	CARBON	1K	5%	1/4W	F	R235	1-214-945-00	METAL	2.2M	1%	1/2W	
R128	1-249-431-11	CARBON	15K	5%	1/4W		R236	1-214-945-00	METAL	2.2M	1%	1/2W	
R129	1-249-431-11	CARBON	15K	5%	1/4W		R237	1-249-418-11	CARBON	1.2K	5%	1/4W	F
R130	1-249-405-11	CARBON	100	5%	1/4W	F	R238	1-249-418-11	CARBON	1.2K	5%	1/4W	F
R131	1-249-417-11	CARBON	1K	5%	1/4W	F	R239	1-249-413-11	CARBON	470	5%	1/4W	F
R132	1-247-855-11	CARBON	10K	5%	1/4W		R240	1-247-871-11	CARBON	47K	5%	1/4W	
R133	1-247-849-11	CARBON	5.6K	5%	1/4W		R241	1-249-417-11	CARBON	1K	5%	1/4W	F
R134	1-247-855-11	CARBON	10K	5%	1/4W		R242	1-247-839-11	CARBON	2.2K	5%	1/4W	
R135	1-249-417-11	CARBON	1K	5%	1/4W	F	R243	1-247-847-11	CARBON	4.7K	5%	1/4W	
R136	1-247-879-11	CARBON	100K	5%	1/4W		R244	1-247-847-11	CARBON	4.7K	5%	1/4W	
R137	1-247-855-11	CARBON	10K	5%	1/4W		R245	1-249-427-11	CARBON	6.8K	5%	1/4W	F
R138	1-247-807-11	CARBON	100	5%	1/4W		R246	1-249-427-11	CARBON	6.8K	5%	1/4W	F
R139	1-247-855-11	CARBON	10K	5%	1/4W		R247	1-247-835-11	CARBON	1.5K	5%	1/4W	
R140	1-247-855-11	CARBON	10K	5%	1/4W		R248	1-247-835-11	CARBON	1.5K	5%	1/4W	
R141	1-249-417-11	CARBON	1K	5%	1/4W	F	R249	1-247-835-11	CARBON	1.5K	5%	1/4W	
R142	1-249-417-11	CARBON	1K	5%	1/4W	F	R250	1-247-835-11	CARBON	1.5K	5%	1/4W	
R143	1-249-417-11	CARBON	1K	5%	1/4W	F	R251	1-247-871-11	CARBON	47K	5%	1/4W	
R144	1-249-411-11	CARBON	330	5%	1/4W		R252	1-247-871-11	CARBON	47K	5%	1/4W	
R147	1-247-835-11	CARBON	1.5K	5%	1/4W		R253	1-247-839-11	CARBON	2.2K	5%	1/4W	
R151	1-247-843-11	CARBON	3.3K	5%	1/4W		R254	1-247-839-11	CARBON	2.2K	5%	1/4W	
R155	1-247-843-11	CARBON	3.3K	5%	1/4W		R255	1-249-417-11	CARBON	1K	5%	1/4W	F
R156	1-247-863-11	CARBON	22K	5%	1/4W		R256	1-249-417-11	CARBON	1K	5%	1/4W	F
R157	1-247-863-11	CARBON	22K	5%	1/4W		R257	1-247-847-11	CARBON	4.7K	5%	1/4W	
R167	1-249-411-11	CARBON	330	5%	1/4W	(XB200)	R258	1-247-855-11	CARBON	10K	5%	1/4W	
R172	1-247-847-11	CARBON	4.7K	5%	1/4W		R259	1-247-855-11	CARBON	10K	5%	1/4W	
R173	1-249-432-11	CARBON	18K	5%	1/4W		R260	1-247-871-11	CARBON	47K	5%	1/4W	
R174	1-249-409-11	CARBON	220	5%	1/4W	F	R301	1-249-417-11	CARBON	1K	5%	1/4W	F
R180	1-249-431-11	CARBON	15K	5%	1/4W		R302	1-249-417-11	CARBON	1K	5%	1/4W	F
R201	1-249-417-11	CARBON	1K	5%	1/4W	F	R303	1-247-879-11	CARBON	100K	5%	1/4W	
R202	1-249-417-11	CARBON	1K	5%	1/4W	F	R304	1-247-879-11	CARBON	100K	5%	1/4W	
R203	1-249-417-11	CARBON	1K	5%	1/4W	F	R305	1-247-855-11	CARBON	10K	5%	1/4W	
R204	1-249-417-11	CARBON	1K	5%	1/4W	F	R306	1-247-855-11	CARBON	10K	5%	1/4W	
R205	1-247-855-11	CARBON	10K	5%	1/4W		R307	1-247-849-11	CARBON	5.6K	5%	1/4W	
R206	1-247-855-11	CARBON	10K	5%	1/4W		R308	1-247-849-11	CARBON	5.6K	5%	1/4W	
R207	1-247-879-11	CARBON	100K	5%	1/4W		R309	1-249-417-11	CARBON	1K	5%	1/4W	F
R208	1-247-879-11	CARBON	100K	5%	1/4W		R310	1-249-417-11	CARBON	1K	5%	1/4W	F
R209	1-247-825-11	CARBON	560	5%	1/4W		R311	1-249-417-11	CARBON	1K	5%	1/4W	F
R210	1-247-825-11	CARBON	560	5%	1/4W		R312	1-249-417-11	CARBON	1K	5%	1/4W	F
R211	1-247-867-11	CARBON	33K	5%	1/4W		R313	1-247-871-11	CARBON	47K	5%	1/4W	
R212	1-247-867-11	CARBON	33K	5%	1/4W		R314	1-247-871-11	CARBON	47K	5%	1/4W	
R213	1-247-893-11	CARBON	390K	5%	1/4W		R315	1-249-432-11	CARBON	18K	5%	1/4W	
R214	1-247-893-11	CARBON	390K	5%	1/4W		R316	1-249-432-11	CARBON	18K	5%	1/4W	
R215	1-247-839-11	CARBON	2.2K	5%	1/4W		R317	1-247-855-11	CARBON	10K	5%	1/4W	
R216	1-247-839-11	CARBON	2.2K	5%	1/4W		R318	1-247-855-11	CARBON	10K	5%	1/4W	
R217	1-247-835-11	CARBON	1.5K	5%	1/4W		R319	1-249-440-11	CARBON	82K	5%	1/4W	
R218	1-247-835-11	CARBON	1.5K	5%	1/4W		R320	1-249-440-11	CARBON	82K	5%	1/4W	
R219	1-249-413-11	CARBON	470	5%	1/4W	F	R321	1-247-887-00	CARBON	220K	5%	1/4W	
R220	1-249-413-11	CARBON	470	5%	1/4W	F	R322	1-247-887-00	CARBON	220K	5%	1/4W	
R221	1-247-839-11	CARBON	2.2K	5%	1/4W		R323	1-247-839-11	CARBON	2.2K	5%	1/4W	
R222	1-247-839-11	CARBON	2.2K	5%	1/4W		R324	1-247-839-11	CARBON	2.2K	5%	1/4W	
R223	1-247-835-11	CARBON	1.5K	5%	1/4W		R325	1-247-871-11	CARBON	47K	5%	1/4W	
R224	1-247-835-11	CARBON	1.5K	5%	1/4W		R326	1-247-871-11	CARBON	47K	5%	1/4W	
R225	1-247-855-11	CARBON	10K	5%	1/4W		R327	1-249-417-11	CARBON	1K	5%	1/4W	F
R227	1-247-855-11	CARBON	10K	5%	1/4W		R328	1-249-417-11	CARBON	1K	5%	1/4W	F
R228	1-249-417-11	CARBON	1K	5%	1/4W	F	R329	1-247-871-11	CARBON	47K	5%	1/4W	
R229	1-247-879-11	CARBON	100K	5%	1/4W		R330	1-247-847-11	CARBON	4.7K	5%	1/4W	
R231	1-247-839-11	CARBON	2.2K	5%	1/4W		R331	1-247-855-11	CARBON	10K	5%	1/4W	

Ref. No.	Part No.	Description			Remarks	Ref. No.	Part No.	Description			Remarks
R332	1-247-855-11	CARBON	10K	5%	1/4W	R845	1-247-863-11	CARBON	22K	5%	1/4W
R333	1-247-871-11	CARBON	47K	5%	1/4W	R846	1-247-863-11	CARBON	22K	5%	1/4W
R334	1-247-871-11	CARBON	47K	5%	1/4W	R847	1-249-417-11	CARBON	1K	5%	1/4W F
R337	1-247-863-11	CARBON	22K	5%	1/4W	R848	1-249-417-11	CARBON	1K	5%	1/4W F
R338	1-249-420-11	CARBON	1.8K	5%	1/4W F	R849	1-214-941-00	METAL	1.5M	1%	1/2W
R339	1-247-903-00	CARBON	1M	5%	1/4W	R850	1-247-855-11	CARBON	10K	5%	1/4W
R344	1-249-418-11	CARBON	1.2K	5%	1/4W F	R851	1-247-855-11	CARBON	10K	5%	1/4W
R345	1-249-413-11	CARBON	470	5%	1/4W F	R852	1-247-903-00	CARBON	1M	5%	1/4W
R346	1-215-880-11	METAL OXIDE	10	5%	2W F	R853	1-247-903-00	CARBON	1M	5%	1/4W
R347	1-249-417-11	CARBON	1K	5%	1/4W F	R854	1-247-847-11	CARBON	4.7K	5%	1/4W
R350	1-249-418-11	CARBON	1.2K	5%	1/4W F	R855	1-247-847-11	CARBON	4.7K	5%	1/4W
R351	1-249-424-11	CARBON	3.9K	5%	1/4W F	R856	1-247-841-11	CARBON	2.7K	5%	1/4W
R352	1-247-879-11	CARBON	100K	5%	1/4W	R857	1-247-841-11	CARBON	2.7K	5%	1/4W
R353	1-247-871-11	CARBON	47K	5%	1/4W	R858	1-247-849-11	CARBON	5.6K	5%	1/4W
R354	1-249-409-11	CARBON	220	5%	1/4W F	R859	1-247-849-11	CARBON	5.6K	5%	1/4W
R355	1-247-847-11	CARBON	4.7K	5%	1/4W	R860	1-249-417-11	CARBON	1K	5%	1/4W F
R356	1-249-413-11	CARBON	470	5%	1/4W F	R861	1-249-430-11	CARBON	12K	5%	1/4W
R357	1-249-413-11	CARBON	470	5%	1/4W F	R862	1-249-430-11	CARBON	12K	5%	1/4W
R801	1-249-393-11	CARBON	10	5%	1/4W F	R863	1-247-839-11	CARBON	2.2K	5%	1/4W
R802	1-249-393-11	CARBON	10	5%	1/4W F	R864	1-247-839-11	CARBON	2.2K	5%	1/4W
R803	1-247-855-11	CARBON	10K	5%	1/4W	R865	1-249-430-11	CARBON	12K	5%	1/4W
R804	1-247-855-11	CARBON	10K	5%	1/4W	R866	1-249-430-11	CARBON	12K	5%	1/4W
R805	1-247-855-11	CARBON	10K	5%	1/4W	R867	1-247-879-11	CARBON	100K	5%	1/4W
R806	1-247-855-11	CARBON	10K	5%	1/4W	R868	1-249-431-11	CARBON	15K	5%	1/4W
R807	1-249-434-11	CARBON	27K	5%	1/4W	R869	1-249-431-11	CARBON	15K	5%	1/4W
R808	1-249-417-11	CARBON	1K	5%	1/4W F	R870	1-247-855-11	CARBON	10K	5%	1/4W
R810	1-247-855-11	CARBON	10K	5%	1/4W	R871	1-247-855-11	CARBON	10K	5%	1/4W
R811	1-247-847-11	CARBON	4.7K	5%	1/4W	R872	1-247-867-11	CARBON	33K	5%	1/4W
R812	1-247-839-11	CARBON	2.2K	5%	1/4W	R873	1-247-867-11	CARBON	33K	5%	1/4W
R814	1-249-427-11	CARBON	6.8K	5%	1/4W F	R874	1-247-839-11	CARBON	2.2K	5%	1/4W
R815	1-249-427-11	CARBON	6.8K	5%	1/4W F	R875	1-247-839-11	CARBON	2.2K	5%	1/4W
R816	1-247-891-00	CARBON	330K	5%	1/4W	R876	1-249-439-11	CARBON	68K	5%	1/4W
R817	1-247-891-00	CARBON	330K	5%	1/4W	R877	1-249-439-11	CARBON	68K	5%	1/4W
R818	1-247-871-11	CARBON	47K	5%	1/4W	R878	1-249-432-11	CARBON	18K	5%	1/4W
R819	1-247-871-11	CARBON	47K	5%	1/4W	R880	1-249-409-11	CARBON	220	5%	1/4W F
R820	1-249-431-11	CARBON	15K	5%	1/4W	R881	1-247-855-11	CARBON	10K	5%	1/4W
R821	1-249-431-11	CARBON	15K	5%	1/4W	R883	1-249-417-11	CARBON	1K	5%	1/4W F
R822	1-249-434-11	CARBON	27K	5%	1/4W	R884	1-249-417-11	CARBON	1K	5%	1/4W F
R823	1-249-434-11	CARBON	27K	5%	1/4W	R887	1-247-843-11	CARBON	3.3K	5%	1/4W
R824	1-247-843-11	CARBON	3.3K	5%	1/4W	R888	1-247-855-11	CARBON	10K	5%	1/4W
R825	1-247-843-11	CARBON	3.3K	5%	1/4W	R889	1-247-847-11	CARBON	4.7K	5%	1/4W
R826	1-247-825-11	CARBON	560	5%	1/4W	R890	1-247-839-11	CARBON	2.2K	5%	1/4W
R827	1-249-436-11	CARBON	39K	5%	1/4W	R891	1-247-855-11	CARBON	10K	5%	1/4W
R828	1-249-409-11	CARBON	220	5%	1/4W F	R892	1-247-855-11	CARBON	10K	5%	1/4W
R829	1-249-431-11	CARBON	15K	5%	1/4W	R893	1-249-381-11	CARBON	1	5%	1/4W F
R830	1-249-427-11	CARBON	6.8K	5%	1/4W F	R894	1-249-399-11	CARBON	33	5%	1/4W F
R831	1-247-855-11	CARBON	10K	5%	1/4W	R895	1-249-431-11	CARBON	15K	5%	1/4W
R832	1-247-855-11	CARBON	10K	5%	1/4W	R896	1-249-431-11	CARBON	15K	5%	1/4W
R833	1-247-855-11	CARBON	10K	5%	1/4W	R897	1-247-855-11	CARBON	10K	5%	1/4W
R834	1-247-879-11	CARBON	100K	5%	1/4W	R898	1-249-401-11	CARBON	47	5%	1/4W F
R835	1-247-879-11	CARBON	100K	5%	1/4W	R899	1-249-401-11	CARBON	47	5%	1/4W F
R836	1-249-420-11	CARBON	1.8K	5%	1/4W F	R901	1-247-703-11	CARBON	180	5%	1/4W F
R837	1-249-417-11	CARBON	1K	5%	1/4W F	R905	1-249-438-11	CARBON	56K	5%	1/4W
R838	1-249-417-11	CARBON	1K	5%	1/4W F	R906	1-247-847-11	CARBON	4.7K	5%	1/4W
R839	1-249-428-11	CARBON	8.2K	5%	1/4W F	R907	1-247-855-11	CARBON	10K	5%	1/4W
R840	1-249-428-11	CARBON	8.2K	5%	1/4W F	R911	1-247-855-11	CARBON	10K	5%	1/4W
R841	1-247-889-00	CARBON	270K	5%	1/4W	R912	1-247-855-11	CARBON	10K	5%	1/4W
R842	1-247-889-00	CARBON	270K	5%	1/4W	R913	1-247-839-11	CARBON	2.2K	5%	1/4W
R843	1-247-849-11	CARBON	5.6K	5%	1/4W	R914	1-247-871-11	CARBON	47K	5%	1/4W
R844	1-247-849-11	CARBON	5.6K	5%	1/4W	R915	1-247-871-11	CARBON	47K	5%	1/4W

MAIN	MOTOR	MOTOR (6P) (S)	POWER SUPPLY	POWER (AMP)
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Ref. No.	Part No.	Description	Remarks			Ref. No.	Part No.	Description	Remarks		
R916	1-247-899-11	CARBON	680K	5%	1/4W		1-674-638-11	POWER SUPPLY BOARD	*****		
R917	1-247-885-00	CARBON	180K	5%	1/4W						
R918	1-249-411-11	CARBON	330	5%	1/4W						
R919	1-247-855-11	CARBON	10K	5%	1/4W		1-533-293-11	FUSE HOLDER			
R920	1-247-899-11	CARBON	680K	5%	1/4W			< FUSE >			
R921	1-247-885-00	CARBON	180K	5%	1/4W	F	△F702	1-532-464-31	FUSE	2.5A 250V (DR3: AUS, XB200)	
R922	1-249-417-11	CARBON	1K	5%	1/4W		△F702	1-532-505-31	FUSE	5A 250V (DR3: E,SP,AR)	
R923	1-247-855-11	CARBON	10K	5%	1/4W		△F702	1-576-109-11	FUSE	5A 125V (DR3: MX,DR330)	
R924	1-247-855-11	CARBON	10K	5%	1/4W		△F703	1-532-464-31	FUSE	2.5A 250V (DR3: E,SP,AR)	
R925	1-247-879-11	CARBON	100K	5%	1/4W		*****				
R926	1-249-409-11	CARBON	220	5%	1/4W	F		A-4426-417-A	POWER(AMP) BOARD, COMPLETE (XB200)	*****	
R930	1-247-839-11	CARBON	2.2K	5%	1/4W			A-4426-418-A	POWER(AMP) BOARD, COMPLETE (DR3:E,SP,AR,AUS)	*****	
R931	1-247-863-11	CARBON	22K	5%	1/4W			A-4426-419-A	POWER(AMP) BOARD, COMPLETE (DR3:MX/DR330)	*****	
< ADJUSTABLE RESISTOR >								1-533-293-11	FUSE HOLDER		
SFR101	1-228-995-00	RES, ADJ, METAL22K						< CAPACITOR >			
SFR801	1-228-990-00	RES, ADJ, METAL1K					C703	1-162-290-31	CERAMIC	470PF	10% 50V
SFR802	1-228-990-00	RES, ADJ, METAL1K					C704	1-162-290-31	CERAMIC	470PF	10% 50V
SFR803	1-228-995-00	RES, ADJ, METAL22K					C705	1-126-964-11	ELECT	10uF	20% 50V
SFR804	1-228-995-00	RES, ADJ, METAL22K					C706	1-126-964-11	ELECT	10uF	20% 50V
SFR805	1-228-995-00	RES, ADJ, METAL22K					C707	1-128-563-11	ELECT	100uF	20% 100V
SFR806	1-228-995-00	RES, ADJ, METAL22K					C708	1-128-563-11	ELECT	100uF	20% 100V
SFR807	1-228-998-00	RES, ADJ, METAL220K					C709	1-164-159-11	CERAMIC	0.1uF	50V
SFR808	1-228-998-00	RES, ADJ, METAL220K					C710	1-128-563-11	ELECT	100uF	20% 100V
< TRANSFORMER >							C711	1-128-563-11	ELECT	100uF	20% 100V
T102	1-429-554-11	TRANSFORMER, AM IFT					C713	1-162-199-31	CERAMIC	10PF	5% 50V
< TRIMMER >							C714	1-162-199-31	CERAMIC	10PF	5% 50V
TC102	1-141-304-21	CAP, TRIMMER 10PF					C717	1-137-351-11	FILM	0.022uF	5% 100V
< VIBRATOR >							C718	1-137-351-11	FILM	0.022uF	5% 100V
X101	1-579-585-11	VIBRATOR, CRYSTAL 7.2MHz					C719	1-164-159-11	CERAMIC	0.1uF	50V
*****							C721	1-137-399-11	FILM	0.1uF	5% 100V
	1-675-422-11	MOTOR BOARD					C722	1-137-399-11	FILM	0.1uF	5% 100V
		*****					C724	1-137-393-11	FILM	0.01uF	5% 100V
< CAPACITOR >							C725	1-126-235-11	ELECT	100uF	20% 16V
C43	1-164-159-11	CERAMIC	0.1uF		50V		C726	1-126-933-11	ELECT	100uF	20% 16V
< SWITCH >							C727	1-161-494-00	CERAMIC	0.022uF	25V
S06	1-762-587-11	SWITCH, PUSH (1 KEY)					C728	1-126-963-11	ELECT	4.7uF	20% 50V
*****							C734	1-161-494-00	CERAMIC	0.022uF	25V
*	1-675-422-11	MOTOR (6P) (C) BOARD					C735	1-126-949-11	ELECT	220uF	20% 35V
		*****					C736	1-161-494-00	CERAMIC	0.022uF	25V
< CONNECTOR >							C737	1-126-948-11	ELECT	100uF	20% 35V
CN03	1-564-722-11	PIN, CONNECTOR (SMALL TYPE) 6P					C738	1-161-494-00	CERAMIC	0.022uF	25V
< MOTOR >							C739	1-126-935-11	ELECT	470uF	20% 16V
M101	X-2625-877-1	MOTOR ASSY (SPINDLE)					C740	1-161-494-00	CERAMIC	0.022uF	25V
M102	X-2625-769-1	MOTOR ASSY (SLED)					C741	1-104-482-11	ELECT	4700uF	20% 63V
< SWITCH >							C742	1-104-482-11	ELECT	4700uF	20% 63V
S05	1-572-085-11	SWITCH, LEAF (LIMIT)					C743	1-102-129-00	CERAMIC	10000PF	10% 50V
*****							C744	1-102-129-00	CERAMIC	10000PF	10% 50V
							C745	1-102-129-00	CERAMIC	10000PF	10% 50V
							C746	1-102-129-00	CERAMIC	10000PF	10% 50V
							C747	1-161-494-00	CERAMIC	0.022uF	25V

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Replace only with part number specified.

Ref. No.	Part No.	Description			Remarks	Ref. No.	Part No.	Description			Remarks
C748	1-161-494-00	CERAMIC	0.022uF		25V			< TRANSISTOR >			
C749	1-161-494-00	CERAMIC	0.022uF		25V						
C750	1-161-494-00	CERAMIC	0.022uF		25V	Q702	8-729-188-23	TRANSISTOR	2SD882-P		
C751	1-126-943-11	ELECT	2200uF	20%	25V	Q703	8-729-200-36	TRANSISTOR	2SA966-Y		
C752	1-126-933-11	ELECT	100uF	20%	16V	Q704	8-729-048-99	TRANSISTOR	2SK2541		
						Q705	8-729-048-99	TRANSISTOR	2SK2541		
C753	1-161-494-00	CERAMIC	0.022uF		25V	Q706	8-729-231-55	TRANSISTOR	2SC2878-A		
C754	1-161-494-00	CERAMIC	0.022uF		25V						
C755	1-161-494-00	CERAMIC	0.022uF		25V	Q707	8-729-231-55	TRANSISTOR	2SC2878-A		
C756	1-126-934-11	ELECT	220uF	20%	16V	Q708	8-729-108-19	TRANSISTOR	2SA988TP-EA		
C757	1-126-934-11	ELECT	220uF	20%	16V	Q709	8-729-231-55	TRANSISTOR	2SC2878-A		
						Q710	8-729-231-55	TRANSISTOR	2SC2878-A		
C758	1-161-494-00	CERAMIC	0.022uF		25V	Q711	8-729-184-53	TRANSISTOR	2SC1841TP-EA		
C759	1-109-952-11	ELECT	0.47uF	20%	50V						
C762	1-126-959-11	ELECT	0.47uF	20%	50V	Q712	8-729-184-53	TRANSISTOR	2SC1841TP-EA		
C763	1-126-933-11	ELECT	100uF	20%	16V	Q713	8-729-026-29	TRANSISTOR	2SJ346		
C764	1-104-664-11	ELECT	47uF	20%	16V			< RESISTOR >			
		< CONNECTOR >				R701	1-249-438-11	CARBON	56K	5%	1/4W
* CN701	1-564-715-11	PIN, CONNECTOR (SMALL TYPE)13P				R702	1-249-438-11	CARBON	56K	5%	1/4W
CN702	1-564-707-11	PIN, CONNECTOR (SMALL TYPE) 5P				R703	1-247-839-11	CARBON	2.2K	5%	1/4W
* CN703	1-564-510-11	PLUG, CONNECTOR 7P				R704	1-247-839-11	CARBON	2.2K	5%	1/4W
						R705	1-249-438-11	CARBON	56K	5%	1/4W
		< DIODE >				R706	1-249-438-11	CARBON	56K	5%	1/4W
D701	8-719-027-23	DIODE GBU6D				R707	1-247-839-11	CARBON	2.2K	5%	1/4W
D702	8-719-010-73	DIODE UZ-12BSA				R708	1-247-839-11	CARBON	2.2K	5%	1/4W
D703	8-719-011-06	DIODE UZ-27BSA				R709	1-249-438-11	CARBON	56K	5%	1/4W
D704	8-719-010-61	DIODE UZ-9.1BSA				R710	1-249-438-11	CARBON	56K	5%	1/4W
D705	8-719-031-85	DIODE 1N4002L									
D706	8-719-031-85	DIODE 1N4002L				R711	1-249-405-11	CARBON	100	5%	1/4W F
D707	8-719-031-85	DIODE 1N4002L				R712	1-249-417-11	CARBON	1K	5%	1/4W F
D708	8-719-031-85	DIODE 1N4002L				R713	1-249-417-11	CARBON	1K	5%	1/4W F
D709	8-719-031-85	DIODE 1N4002L				R714	1-249-405-11	CARBON	100	5%	1/4W F
D710	8-719-911-19	DIODE 1SS133				R715	1-249-431-11	CARBON	15K	5%	1/4W
D712	8-719-911-19	DIODE 1SS133				R716	1-249-431-11	CARBON	15K	5%	1/4W
D713	8-719-911-19	DIODE 1SS133				R719	1-220-890-11	METAL	0.22	10%	3W
D714	8-719-911-19	DIODE 1SS133				R720	1-220-890-11	METAL	0.22	10%	3W
D715	8-719-911-19	DIODE 1SS133				R721	1-247-879-11	CARBON	100K	5%	1/4W
D716	8-719-911-19	DIODE 1SS133				R722	1-247-879-11	CARBON	100K	5%	1/4W
D717	8-719-911-19	DIODE 1SS133				R723	1-215-429-00	METAL	2.2K	1%	1/4W
D718	8-719-911-19	DIODE 1SS133				R724	1-215-429-00	METAL	2.2K	1%	1/4W
D719	8-719-911-19	DIODE 1SS133				R725	1-247-843-11	CARBON	3.3K	5%	1/4W
						R726	1-247-843-11	CARBON	3.3K	5%	1/4W
		< FUSE >				R727	1-249-430-11	CARBON	12K	5%	1/4W
△ F701	1-532-388-31	FUSE 2A 250V (EXCEPT MX)				R728	1-249-430-11	CARBON	12K	5%	1/4W
△ F701	1-576-104-11	FUSE 2A 250V (MX)				R729	1-247-839-11	CARBON	2.2K	5%	1/4W
						R730	1-247-871-11	CARBON	47K	5%	1/4W
		< IC >				R731	1-247-887-00	CARBON	220K	5%	1/4W
						R732	1-249-417-11	CARBON	1K	5%	1/4W F
IC701	8-749-015-46	IC STK407-100E (DR3/DR330)				R733	1-249-438-11	CARBON	56K	5%	1/4W
IC701	8-749-015-45	IC STK407-090E (XB200)				R734	1-247-847-11	CARBON	4.7K	5%	1/4W
IC702	8-759-111-68	IC uPC1237HA				R735	1-249-455-11	CARBON	4.7	5%	1/4W
						R736	1-249-455-11	CARBON	4.7	5%	1/4W
		< TERMINAL >				R737	1-247-784-00	CARBON	11	5%	1/4W
JK703	1-694-443-11	TERMINAL BOARD (SPEAKER)									(XB200)
		< COIL >									
L702	1-420-872-00	COIL, AIR CORE (XB200)									
L703	1-420-872-00	COIL, AIR CORE (XB200)									

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Replace only with part number specified.

HCD-DR3/DR330/XB200

POWER (AMP)

REM

PHOTO SOCKET

TR

VR

Ref. No.	Part No.	Description			Remarks
R738	1-247-784-00	CARBON	11	5%	1/4W (XB200)
R739	1-215-857-11	METAL OXIDE	10	5%	1W F
R740	1-216-450-00	METAL OXIDE	82	5%	2W F (DR3/DR330)
R740	1-214-828-00	METAL	33	1%	1/2W (XB200)
R742	1-249-413-11	CARBON	470	5%	1/4W F
R743	1-249-418-11	CARBON	1.2K	5%	1/4W F
R744	1-249-411-11	CARBON	330	5%	1/4W
R747	1-247-847-11	CARBON	4.7K	5%	1/4W
R748	1-247-855-11	CARBON	10K	5%	1/4W
R749	1-247-841-11	CARBON	2.7K	5%	1/4W
R750	1-247-839-11	CARBON	2.2K	5%	1/4W
R751	1-247-862-11	CARBON	20K	5%	1/4W
R752	1-247-855-11	CARBON	10K	5%	1/4W
R753	1-247-855-11	CARBON	10K	5%	1/4W
R754	1-247-895-00	CARBON	470K	5%	1/4W
R760	1-247-863-11	CARBON	22K	5%	1/4W
R761	1-247-855-11	CARBON	10K	5%	1/4W
R762	1-247-903-00	CARBON	1M	5%	1/4W
R763	1-247-879-11	CARBON	100K	5%	1/4W
R764	1-249-417-11	CARBON	1K	5%	1/4W F
R765	1-247-863-11	CARBON	22K	5%	1/4W
R766	1-247-863-11	CARBON	22K	5%	1/4W
< RELAY >					
RL701	1-515-921-11	RELAY (12V)			

	1-674-633-11	REM BOARD			

< CAPACITOR >					
C666	1-126-966-11	ELECT	33uF	20%	16V
< SENSOR >					
RM601	8-749-013-84	IC SPS-447-1 (REMOTE SENSOR)			

	1-675-425-11	PHOTO SOCKET BOARD			

< CAPACITOR >					
C76	1-164-159-11	CERAMIC	0.1uF		50V
C76A	1-164-159-11	CERAMIC	0.1uF		50V
< PHOTOINTERRUPTER >					
PH01	8-749-923-04	ICTOTX178A			
< RESISTOR >					
R76	1-249-417-11	CARBON	1K	5%	1/4W F

Ref. No.	Part No.	Description	Remarks
	1-674-642-11	TR BOARD	*****
< TRANSISTOR >			
Q701	8-729-822-89	TRANSISTOR	2SD1667

	1-674-631-11	VR BOARD	*****
< VARIABLE RESISTOR >			
VR601	1-475-841-11	ENCODER (VOLUME)	*****

		MISCELLANEOUS	*****
124	1-772-164-11	DECK, MECH	
135	1-783-579-11	WIRE (FLAT TYPE) (16 CORE)	
△ 151	1-551-506-99	CORD, POWER(DR3:E,MX,DR330)	
△ 151	1-555-795-00	CORD, POWER(DR3:SP/XB200:AEP,EE,CIS)	
△ 151	1-696-572-21	CORD, POWER(XB200:UK)	
△ 151	1-696-966-11	CORD, POWER(DR3:AU)	
△ 151	1-783-941-51	CORD, POWER(DR3:AR)	
△ 254	8-820-054-03	OPTICAL PICK UP KSM-213ECM/C2NP	
256	1-769-856-11	WIRE(FLAT TYPE) (5 CORE)	
M01	1-541-632-11	MOTOR DC	
M101	X-2625-877-1	MOTOR ASSY (SPINDLE)	
M102	X-2625-769-1	MOTOR ASSY (SLED)	
△ T001	1-433-921-11	TRANSFORMER, POWER(DR3:MX,DR330)	
△ T001	1-433-922-11	TRANSFORMER, POWER(XB200)	
△ T001	1-433-923-11	TRANSFORMER, POWER(DR3:E,SP,AR)	
△ T001	1-433-924-11	TRANSFORMER, POWER(DR3:AU)	

HARDWARELIST			

#1	7-685-903-21	SCREW +PTPWH 3 × 8 (TYPE2)	
#2	7-685-871-09	SCREW +BVTT 3 × 6 (S)	
#3	7-682-549-09	SCREW +B 3 × 10	
#4	7-685-871-01	SCREW +BVTT 3 × 6 (S)	
#5	7-685-863-09	SCREW +BVTT 2.6 × 8 (S)	
#6	7-685-646-79	SCREW +BVTP 3 × 8 TYPE2 TT(B)	
#7	7-685-647-79	SCREW, TAPPING	
#9	7-682-904-11	SCREW +PWH 4 × 8	
#10	7-681-000-61	SCREW +PWH M3 × 8	
#11	7-685-902-11	SCREW +PWH 2.6 × 6	
#14	7-621-255-15	SCREW +P 2 × 3	

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