HCD-GP5

SERVICE MANUAL

Ver 1.5 2004.10

US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model

HCD-GP5 is the Amplifier, CD player, Tape Deck and Tuner section in CMT-GP5.

CD Section	Model Name Using Similar Mechanism	NEW
	CD Mechanism Type	CDM55A-K6BD44B
	Base Unit Name	BU-K1BD44B
	Optical Pick-up Name	KSM-213D
TAPE Section	Model Name Using Similar Mechanism	NEW
	Tape Transport Mechanism Type	CMAL1Z240A

SPECIFICATIONS

Amplifier section

AUDIO POWER SPECIFICATIONS: (U.S.A. model only)

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:
With 6-ohm loads, both channels driven, from 120 - 10,000 Hz; rated 35 watts per channel minimum RMS power, with no more than 10% total harmonic distortion from 250 milliwatts to rated output.
North American model:
Continuous RMS power output (reference): 35 + 35 W (6 ohms at 1 kHz, 10% THD)
European model:
DIN power output (rated): 30 + 30 W (6 ohms at 1 kHz, DIN)
Continuous RMS power output (reference): 30 + 30 W (6 ohms at 1 kHz, 10% THD)
Music power output (reference): 60 + 60 W
Other models:
The following measured at AC 230 V or AC 120 V, 50/60 Hz
DIN power output (rated): 30 + 30 W (6 ohms at 1 kHz, DIN)
Continuous RMS power output (reference): 30 + 30 W (6 ohms at 1 kHz, 10% THD)

Inputs
MD IN (phono jacks): Sensitivity 500 mV, impedance 47 kilohms
Outputs
PHONES (stereo minijack): Accepts headphones with an impedance of 8 ohms or more
SPEAKERS: Accepts impedance of 6 to 16 ohms.

CD player section

System: Compact disc and digital audio system
Laser: Semiconductor laser (λ=780 nm) Emission duration: continuous
Frequency response: 2 Hz – 20 kHz (±0.5 dB)

Tape deck section

Recording system: 4-track 2-channel stereo
Frequency response: 50 – 13,000 Hz (±3 dB), using Sony TYPE I cassettes

Tuner section

FM stereo, FM/AM superheterodyne tuner

FM tuner section

Tuning range: 87.5 – 108.0 MHz (50-kHz step)
Antenna: FM lead antenna
Antenna terminals: 75 ohms balanced
Intermediate frequency: 10.7 MHz

AM tuner section

Tuning range
Pan-American model: 530 – 1,710 kHz (with the tuning interval set at 10 kHz) 531 – 1,710 kHz (with the tuning interval set at 9 kHz)
European model: 531 – 1,602 kHz (with the tuning interval set at 9 kHz)
Other models: 530 – 1,710 kHz (with the tuning interval set at 10 kHz) 531 – 1,602 kHz (with the tuning interval set at 9 kHz)
Antenna: AM loop antenna, external antenna terminal
Intermediate frequency: 450 kHz

— Continued on next page —

MICRO HI-FI COMPONENT SYSTEM

9-877-380-06
2004J16-1

Sony Corporation
Personal Audio Company
Published by Sony Engineering Corporation

SONY®

General

Power requirements	
North American model:	120 V AC, 60 Hz
European model:	230 V AC, 50/60 Hz
Australian model:	230 - 240 V AC, 50/60 Hz
Hong Kong model:	220 - 240 V AC, 50/60 Hz
Singaporean 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	
North American model:	60 watts
European model:	60 watts 0.3 watts (in the standby mode)
Other models:	60 watts
Dimensions (w/h/d)	Approx. 190 × 250 × 270 mm
Mass	Approx. 4.6 kg

Design and specifications are subject to change without notice.

SAFETY-RELATED COMPONENT WARNING!!

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

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈSES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPÉMENTS PUBLIÉS PAR SONY.

TABLE OF CONTENTS

SECTION 1
SERVICING NOTES

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 the 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.

SAFETY CHECK-OUT

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

LEAKAGE TEST

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

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

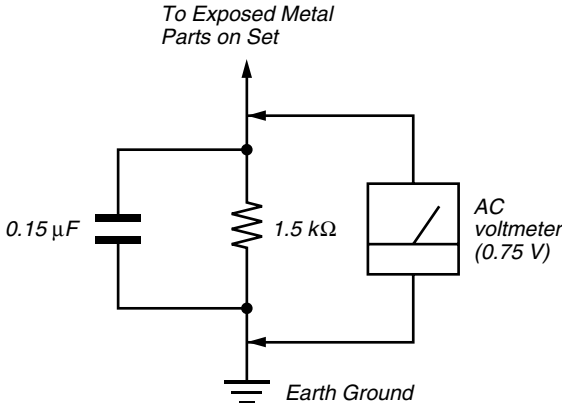


Fig. A. Using an AC voltmeter to check AC leakage.

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

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

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

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic break-down because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.
During repair, pay attention to electrostatic break-down and also use the procedure in the printed matter which is included in the repair parts.
The flexible board is easily damaged and should be handled with care.

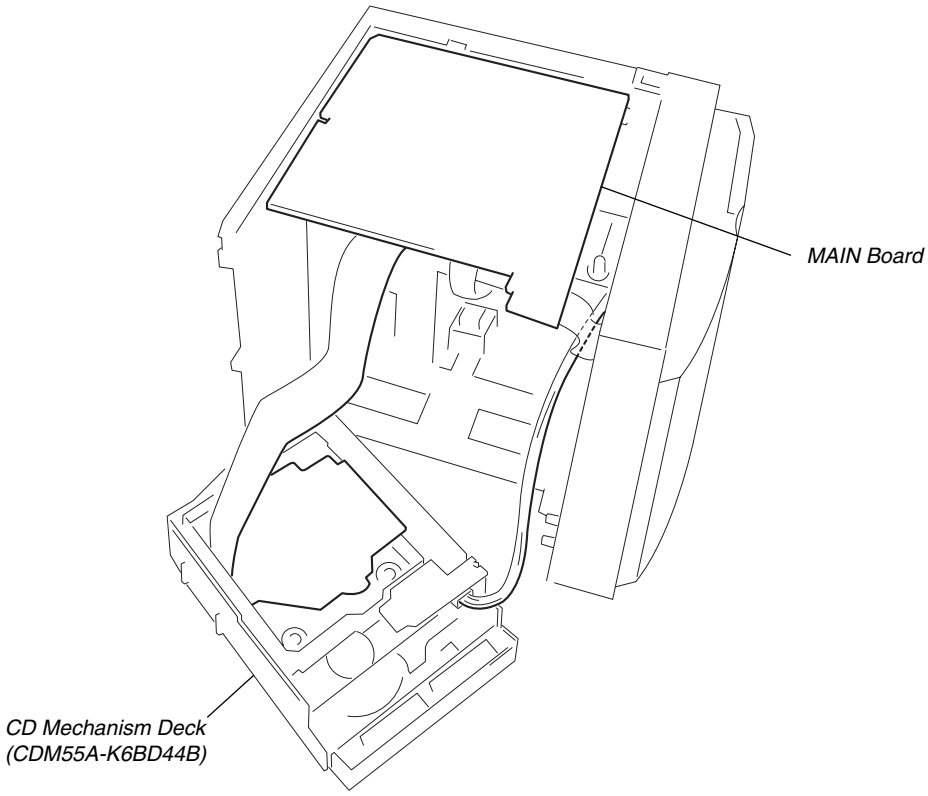
NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

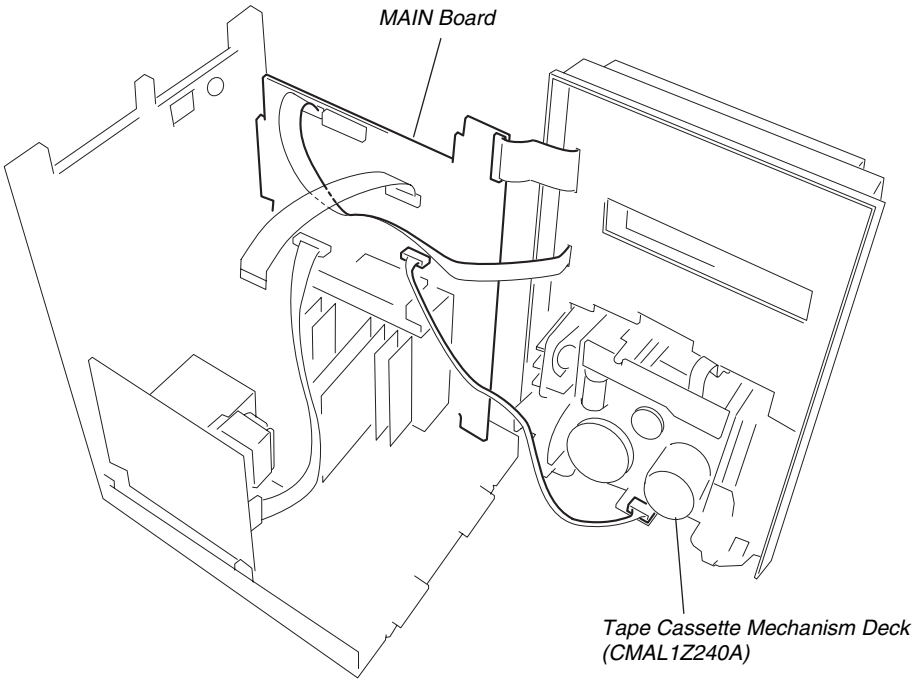
LASER DIODE AND FOCUS SEARCH OPERATION CHECK

Carry out the "S curve check" in "CD section adjustment" and check that the S curve waveforms is output three times.

Service Position of the CD Mechanism Deck



Service Position of the Tape Cassette Mechanism Deck



SECTION 2
GENERAL

This section is extracted from instruction manual.

List of button locations and reference pages

How to use this page

Use this page to find the location of buttons and other parts of the system that are mentioned in the text.

Illustration number

DISPLAY 8 (9, 10, 16)

Name of button/part — Reference page

Main unit

ALPHABETICAL ORDER

A – M

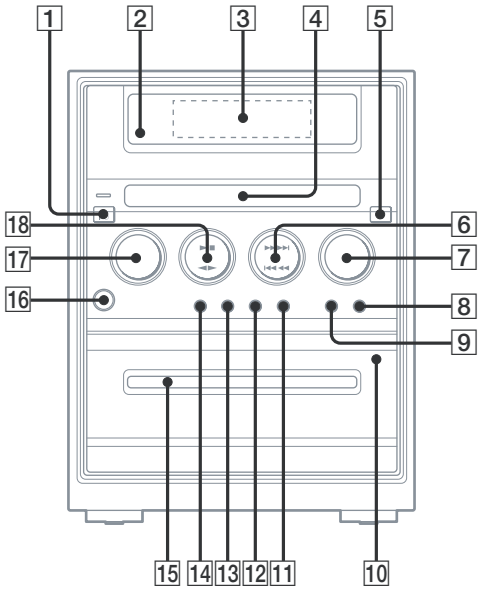
Cassette compartment 15
CD SYNC 13 (12)
DIRECTION 9 (11, 12, 15)
Disc tray 4
DISPLAY 8 (9, 10, 16)
Display window 3
DSG 11 (13)
MD 17 (17)

P – Z

PHONES jack 16
PLAY MODE/TUNING MODE 9 (6, 7)
Remote sensor 2
TUNER/BAND 17 (8, 9)
TUNING +/– 6 (8, 9)
VOLUME +/– 7 (14, 15)

BUTTON DESCRIPTIONS

I/⏻ (power) 1 (5, 9, 14, 15)
⏮◀◀/▶▶⏭ (go back/go forward or fast forward/rewind) 6 (5, 6, 7, 11, 12, 14, 15, 16)
■ (stop) 12 (6, 7, 11, 12, 20)
REC PAUSE/START ● 14 (12, 15)
CD ▶II (play/pause) 18 (6, 7)
TAPE ◀▶ (play) 18 (11, 12, 15)
⏏ (CD open/close) 5 (6)
⏏ PUSH (tape open/close) 10 (11)



Remote control

ALPHABETICAL ORDER

A – M

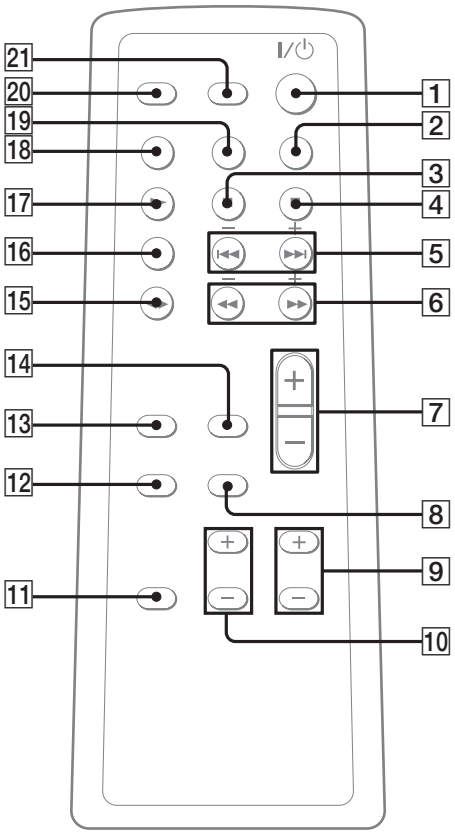
BASS +/– 10 (13)
CLEAR 8 (8, 9)
CLOCK/TIMER SELECT 20 (14, 15)
CLOCK/TIMER SET 21 (5, 14, 15)
DISPLAY 2 (9, 10, 16)
DSG 11 (13)
MD 18 (17)

P – Z

PLAY MODE/DIRECTION 13 (6, 7, 11, 12, 15)
PRESET +/– 5 (9)
REPEAT/FM MODE 14 (7, 9)
SLEEP 19 (13)
TREBLE +/– 9 (13)
TUNER BAND 16 (8, 9)
TUNER MEMORY 12 (8)
TUNING +/– 6 (8, 9)
VOL +/– 7 (14, 15)

BUTTON DESCRIPTIONS

I/⏻ (power) 1 (5, 9, 14, 15)
◀◀/▶▶ (fast forward/rewind) 6 (6, 11)
I◀◀/▶▶I (go back/go forward) 5 (5, 6, 7, 12, 14, 15, 16)
■ (stop) 4 (6, 7, 11, 12, 20)
❚❚ (pause) 3 (6, 11)
CD ▶ (play) 17 (6, 7)
TAPE ◀▶ (play) 15 (11, 12, 15)



Setting the clock

Use buttons on the remote for the operation.

1 Press I/⏻ to turn on the system.

2 Press CLOCK/TIMER SET.

3 Press I◀◀ /▶▶I repeatedly to set the hour.

4 Press CLOCK/TIMER SET.

5 Press I◀◀ /▶▶I repeatedly to set the minute.

6 Press CLOCK/TIMER SET.

The clock starts working.

To adjust the clock

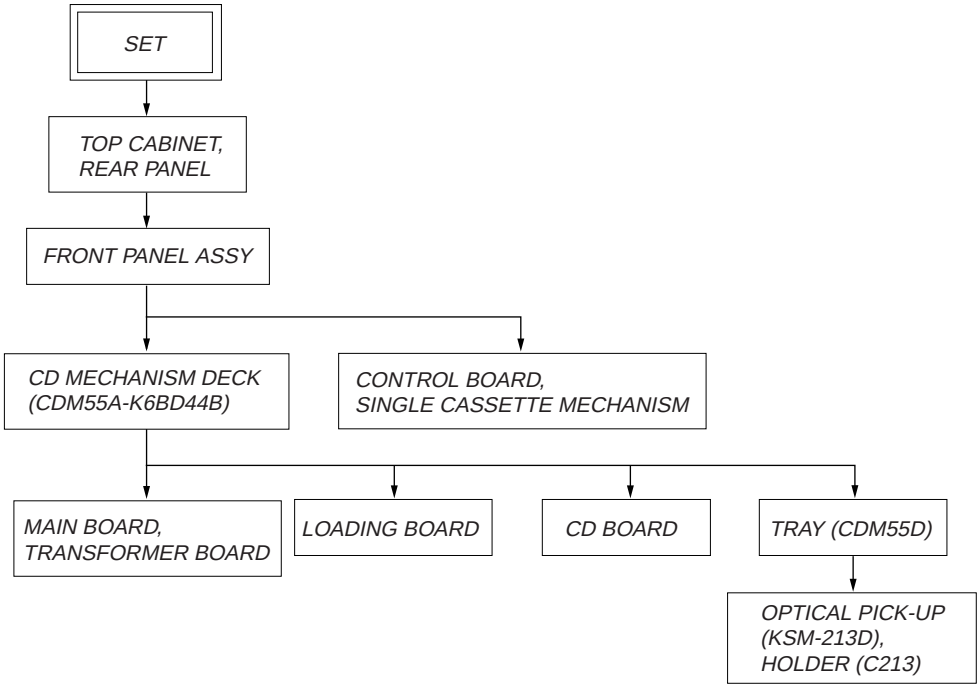
1 Press CLOCK/TIMER SET.

2 Press I◀◀ /▶▶I to select “CLOCK”, then press CLOCK/TIMER SET.

3 Do the same procedures as step 3 to 6 above.

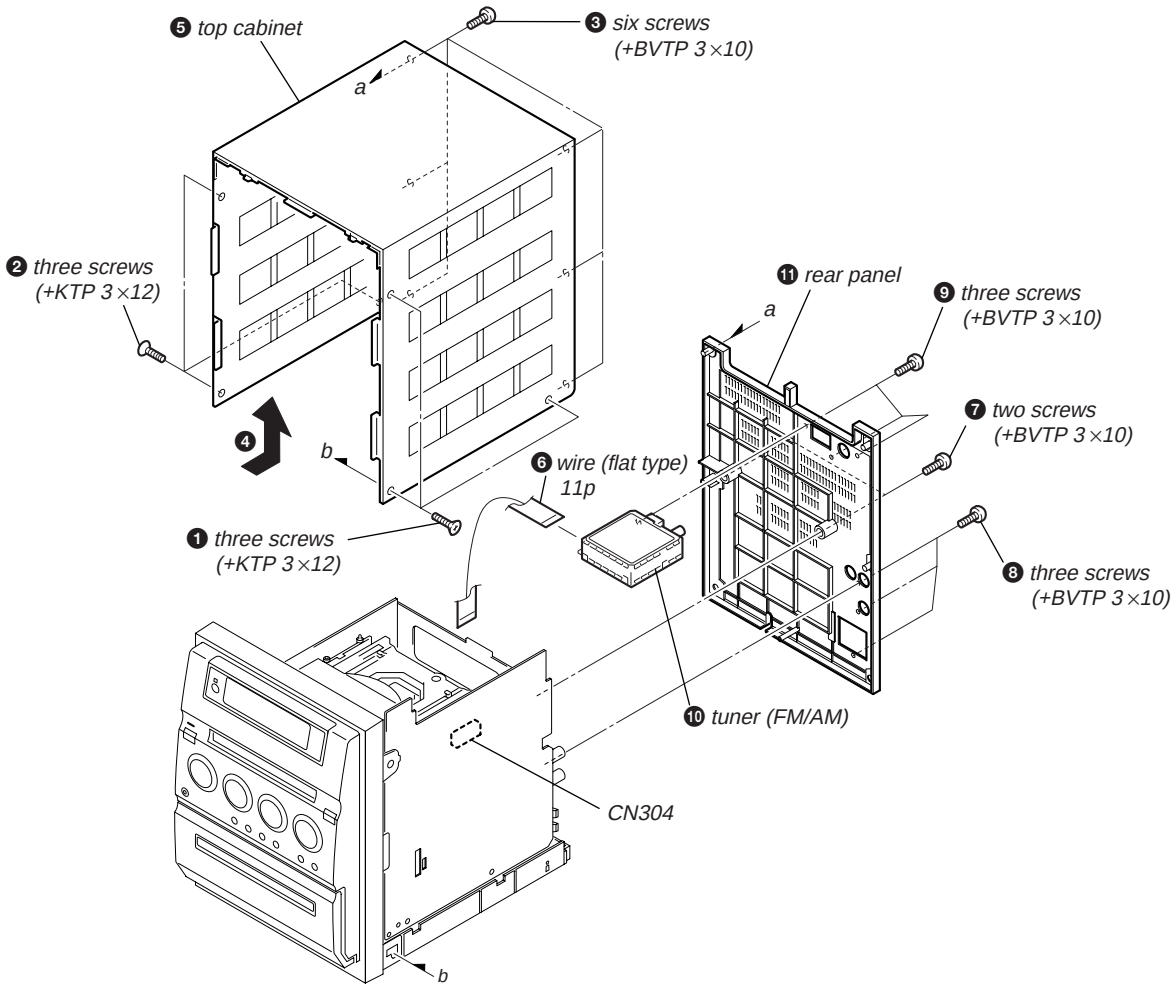
SECTION 3
DISASSEMBLY

• This set can be disassembled in the order shown below.

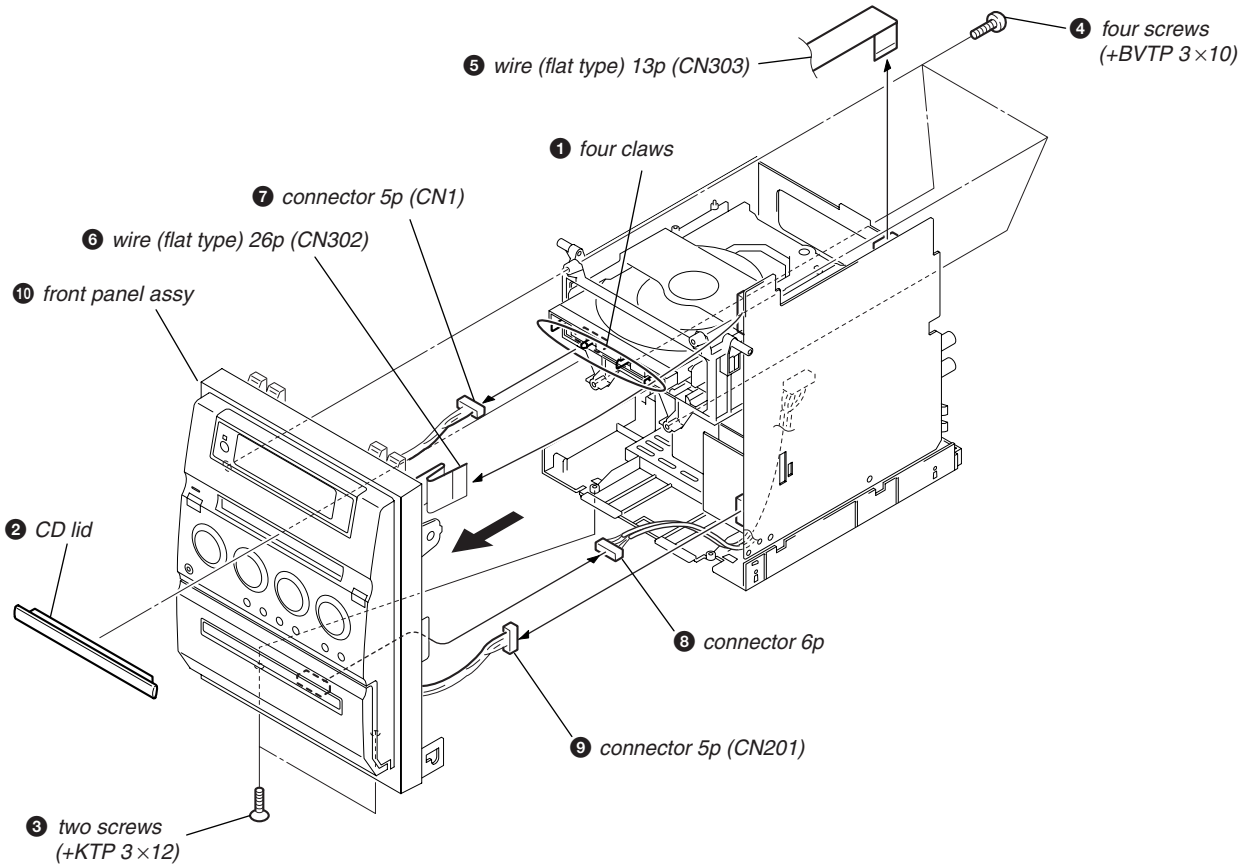


Note: Follow the disassembly procedure in the numerical order given.

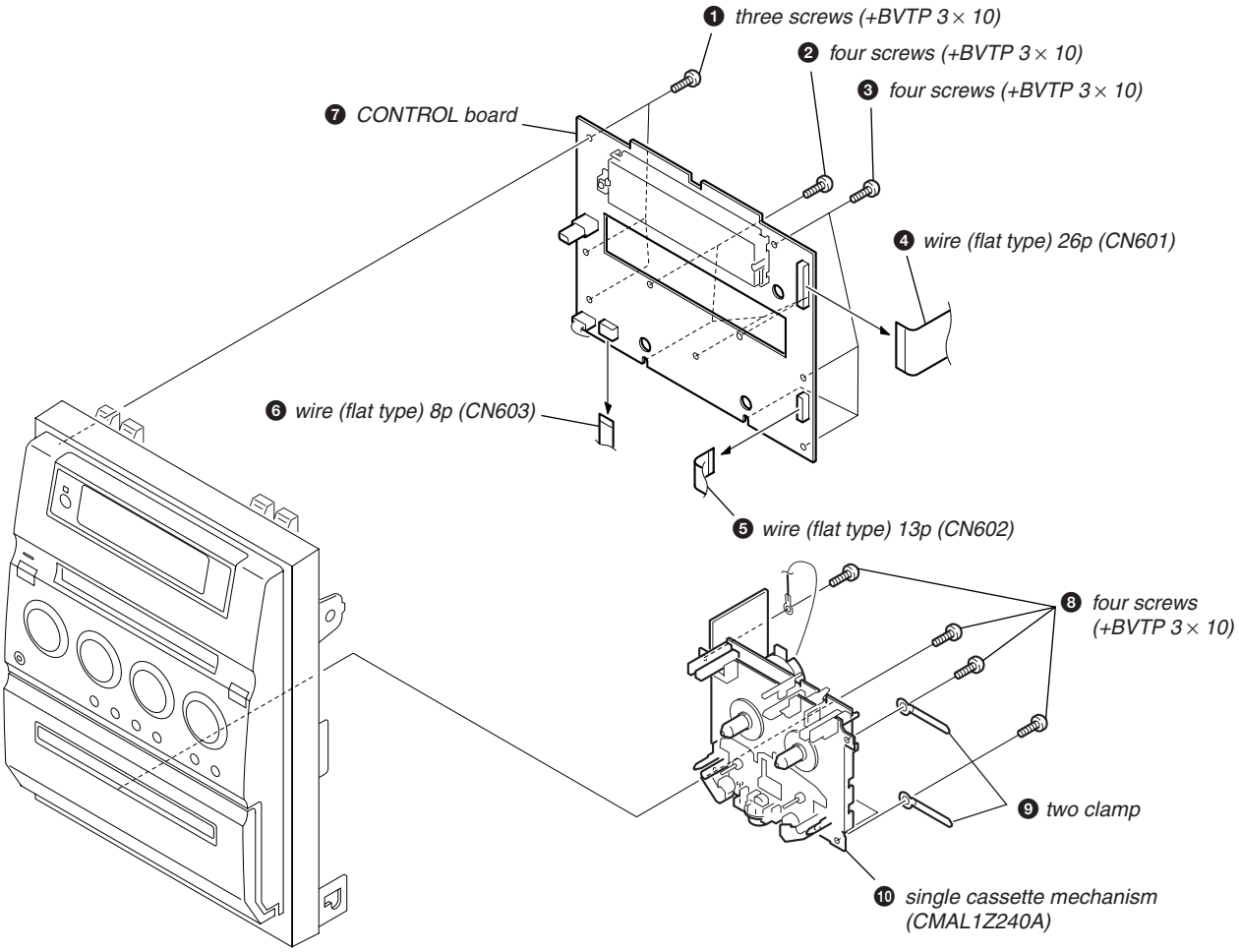
3-1. Top Cabinet, Rear Panel



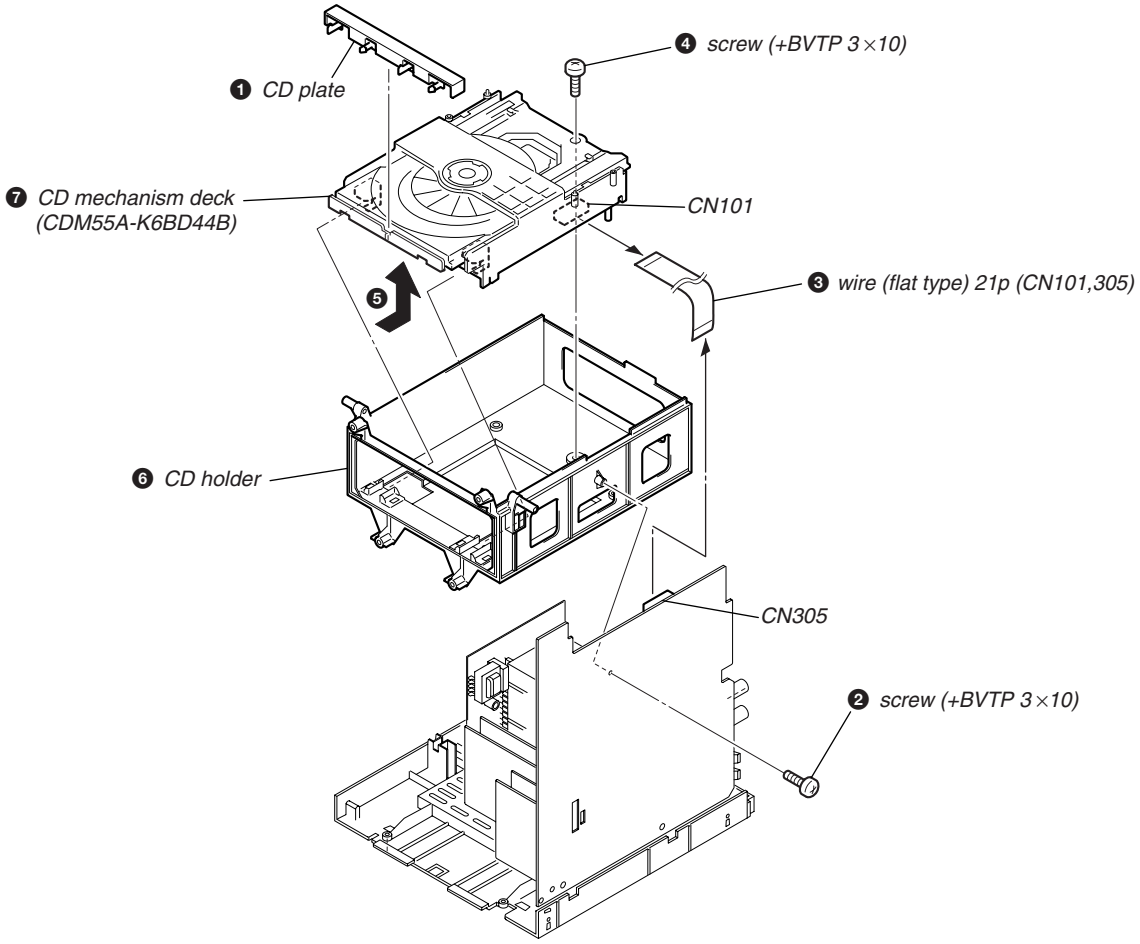
3-2. Front Panel Assy



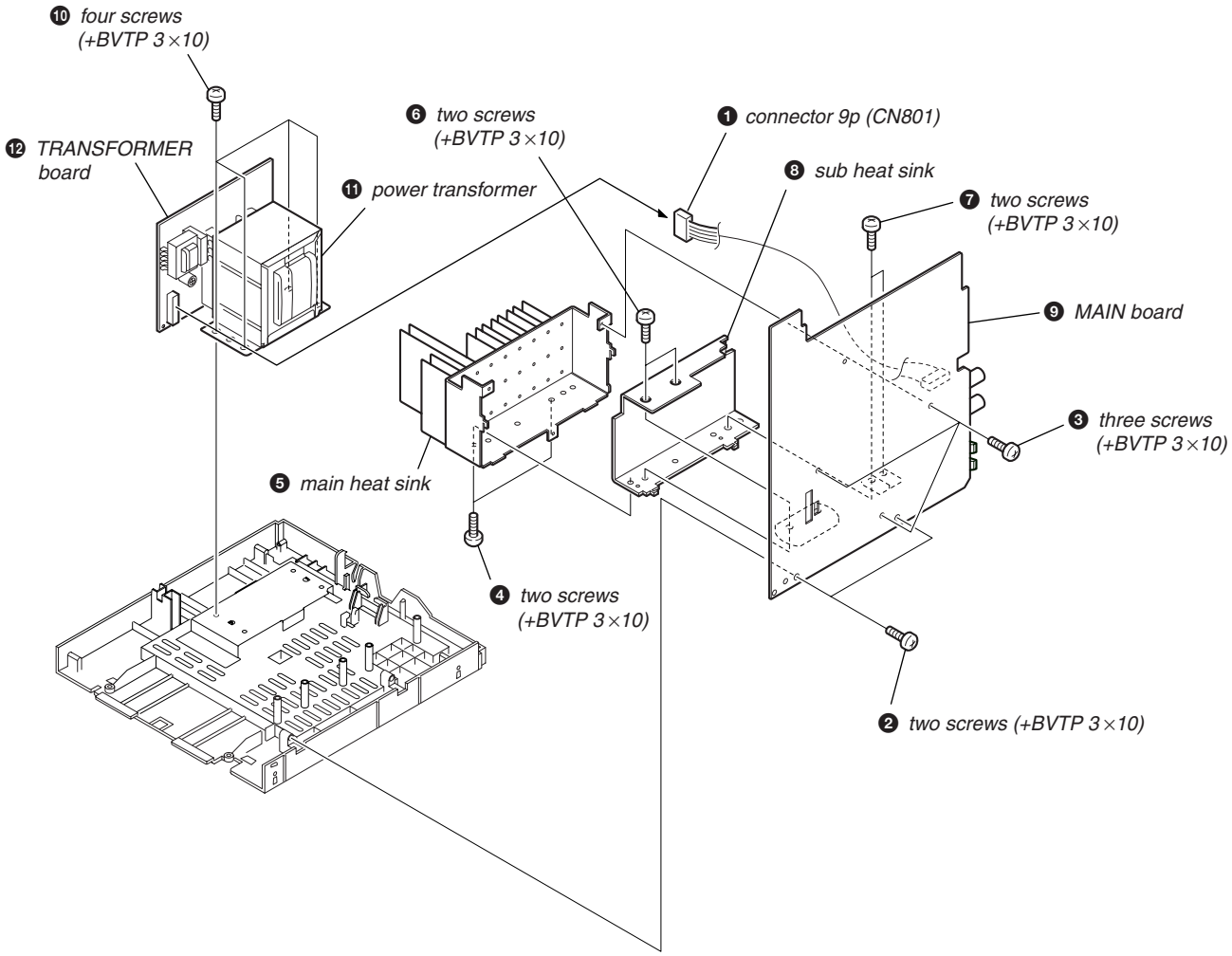
3-3. CONTROL Board, Single Cassette Mechanism



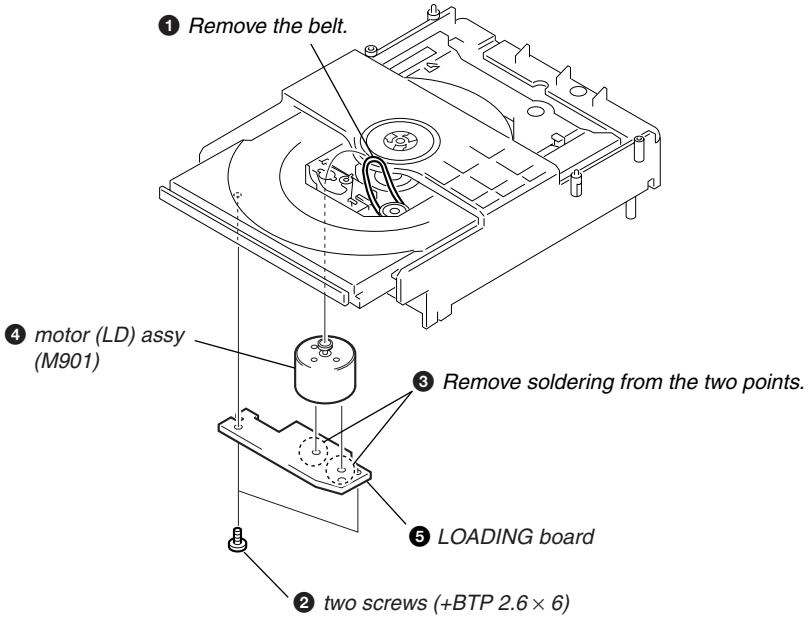
3-4. CD Mechanism Deck (CDM55A-K6BD44B)



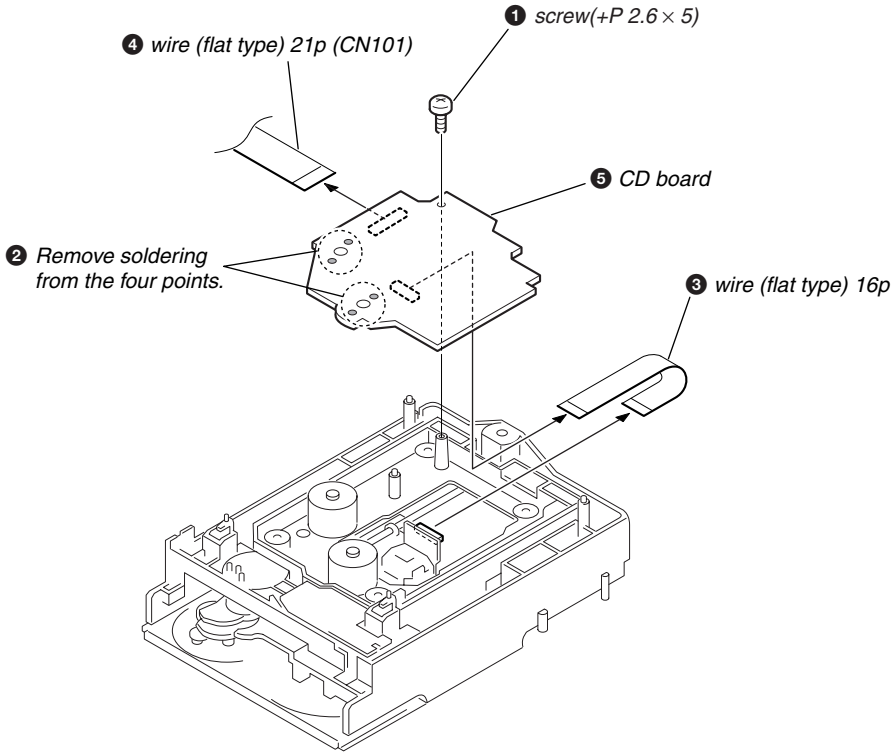
3-5. MAIN Board, TRANSFORMER Board



3-6. LOADING Board

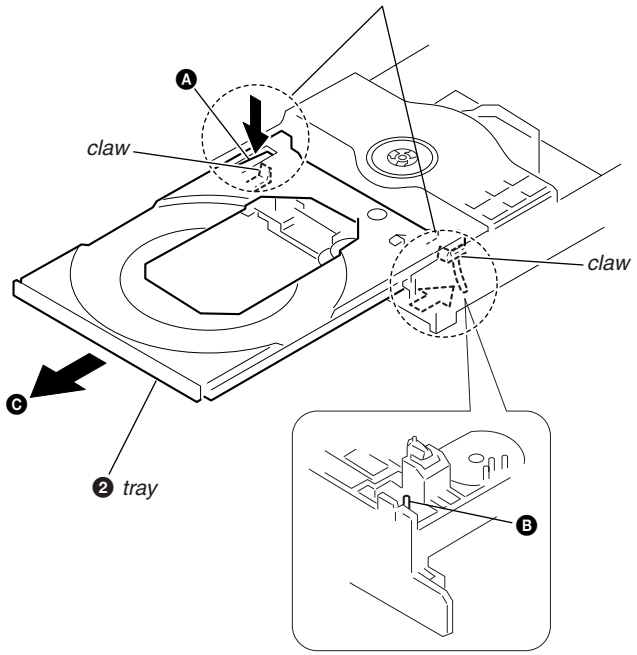


3-7. CD Board

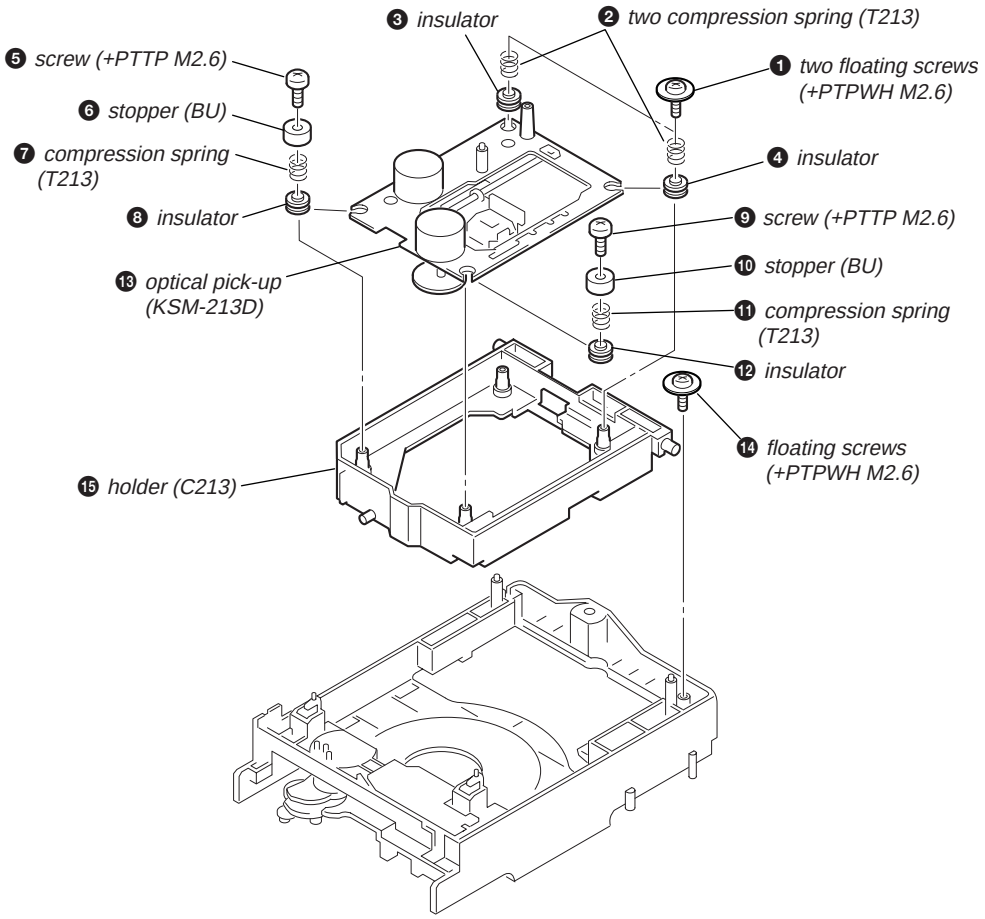


3-8. Tray (CDM55D)

❶ While pressing the two protrusions Ⓐ and Ⓑ to unlock the two claws as shown, pull the tray in the direction of the arrow Ⓒ. (Be careful of the claws.)



3-9. Optical Pick-up (KSM-213D), Holder (C213)



SECTION 4
MECHANICAL ADJUSTMENTS

Precaution

1. Clean the following parts with a denatured alcohol-moistened swab:
   record/playback heads — 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

Mode	Torque meter	Meter reading
FWD	CQ-102C	3.04 – 6.96 mN • m (31 to 71 g • cm) (0.43 – 0.98 oz • inch)
FWD back tension	CQ-102C	0.20 – 0.58 mN • m (2 to 6 g • cm) (0.02 – 0.08 oz • inch)
REV	CQ-102RC	3.04 – 6.96 mN • m (31 to 71 g • cm) (0.43 – 0.98 oz • inch)
REV back tension	CQ-102RC	0.20 – 0.58 mN • m (2 to 6 g • cm) (0.02 – 0.08 oz • inch)
FF/REW	CQ-201B	6.97 – 14.02 mN • m (71 to 143 g • cm) (0.98 – 1.99 oz • inch)
FWD tension	CQ-403A	9.8 mN • m or more (100 g • cm or more) (1.4 oz • inch or more)
REV tension	CQ-403R	9.8 mN • m or more (100 g • cm or more) (1.4 oz • inch or more)

SECTION 5
ELECTRICAL ADJUSTMENTS

DECK SECTION **0 dB=0.775V**

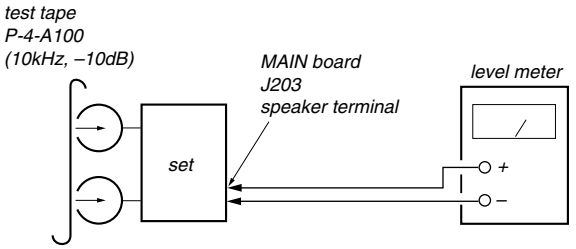
1. Demagnetize the record/playback head with a head demagnetizer.
2. Do not use a magnetized screwdriver for the adjustments.
3. After the adjustments, apply suitable locking compound to the parts adjusted.
4. The adjustments should be performed with the rated power supply voltage unless otherwise noted.
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.
7. Switches and controls should be set as follows unless otherwise specified.

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

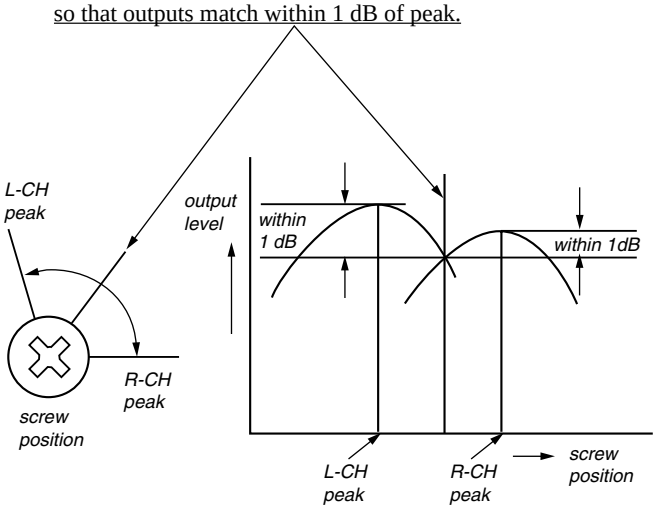
[Record/Playback Head Azimuth Adjustment]

Procedure:

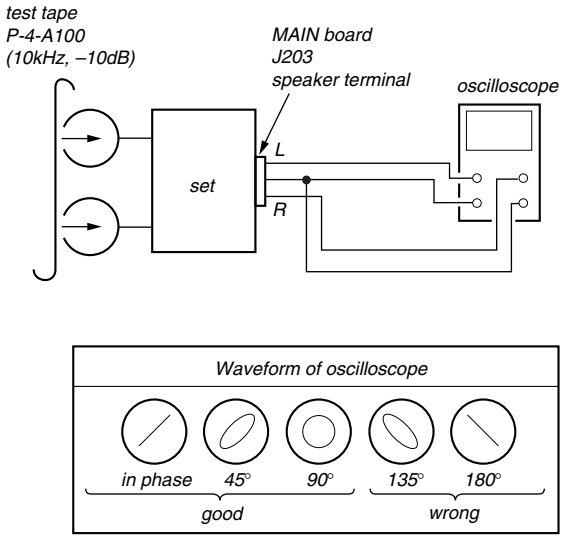
1. Mode : Playback



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 1 dB of peak.



3. Mode: Playback



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

Adjustment Location: Record/Playback/Erase Head

[Tape Speed Check]

Procedure:

1. Turn the power on.
2. Insert the WS-48B into deck.
3. Press the ◀▶ button of deck.
4. Check the reading of frequency counter becomes 3000 ± 90 Hz.

Sample Value of Wow and flutter

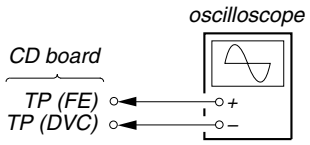
W.RMS (JIS) less than 0.3%
(test tape: WS-48B)

CD SECTION

Note:
1. CD Block is basically designed 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 10MΩ 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.

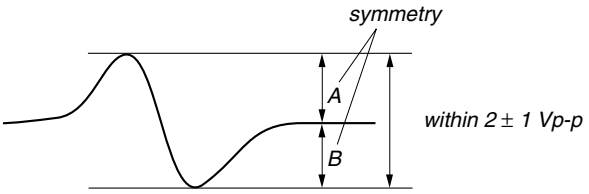
S-curve Check

Connection:



Procedure:
1. Connect an oscilloscope to test point TP (FE) and TP (DVC) on the CD board.
2. Turn the power on.
3. Put the disc (YEDS-18) in and turned power switch on again and actuate the focus search. (actuate the focus search when disc table is moving in and out)
4. Check the oscilloscope waveform (S-curve) is symmetrical between A and B. And confirm peak to peak level within 2 ± 1 Vp-p.

S-curve waveform

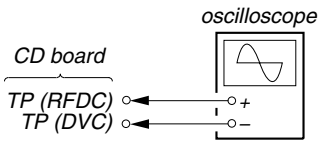


Note: • Try to measure several times to make sure than the ratio of A : B or B : A is more than 10 : 7.
• Take sweep time as long as possible and light up the brightness to obtain best waveform.

Checking Location: CD board (Conductor side)

RFDC Level Check

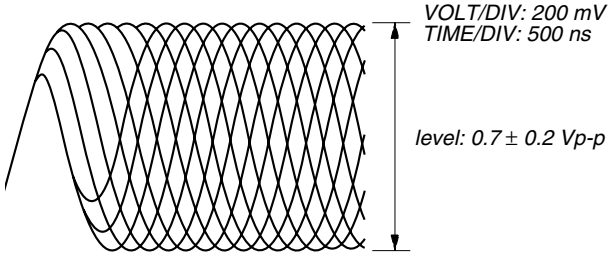
Connection:



Procedure:
1. Connect an oscilloscope to test point TP (RFDC) and TP (DVC) on the CD board.
2. Turn the power on.
3. Put the disc (YEDS-18) in to playback the number five track.
4. Confirm that oscilloscope waveform is clear and check RFDC signal level is correct or not.

Note: A clear RFDC signal waveform means that the shape "◊" can be clearly distinguished at the center of the waveform.

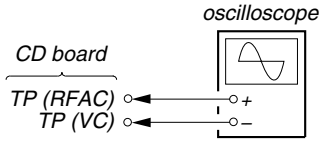
RFDC signal waveform



Checking Location: CD board (Conductor side)

RFAC Level Check

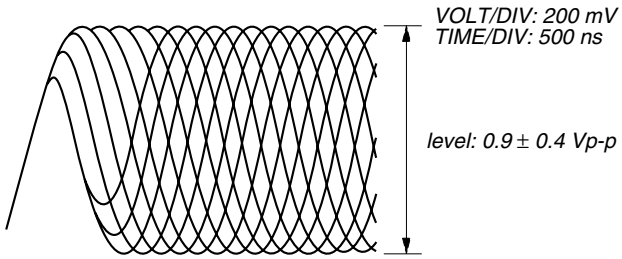
Connection:



Procedure:
1. Connect an oscilloscope to test point TP (RFAC) and TP (VC) on the CD board.
2. Turn the power on.
3. Put the disc (YEDS-18) in to playback the number five track.
4. Confirm that oscilloscope waveform is clear and check RFAC signal level is correct or not.

Note: A clear RFAC signal waveform means that the shape "◊" can be clearly distinguished at the center of the waveform.

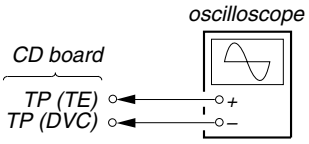
RFAC signal waveform



Checking Location: CD board (Conductor side)

E-F Balance Check

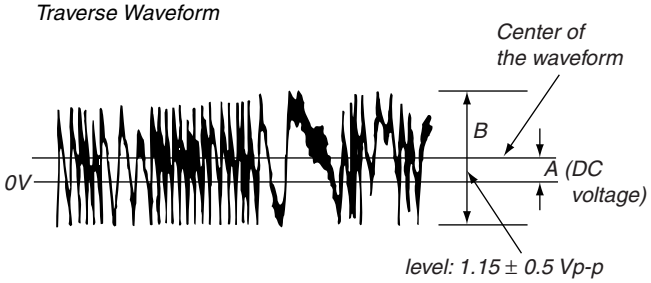
Connection:



Procedure:

1. Connect an oscilloscpe to test point TP (TE) and TP (DVC) on the CD board.
2. AC is put in pushing CD ►II button.
3. FL tube carries out all lights and goes into CD test mode.
4. Put the disc (YEDS-18) in to playback the number five track.
5. Press the CD ►II button. (The tracking servo and the sledding servo are turned OFF)
6. Check the level B of the oscilliscope's waveform and the A (DC voltage) of the center of the Traverse waveform.
   Confirm the following :
   A/B x 100 = less than ± 22%

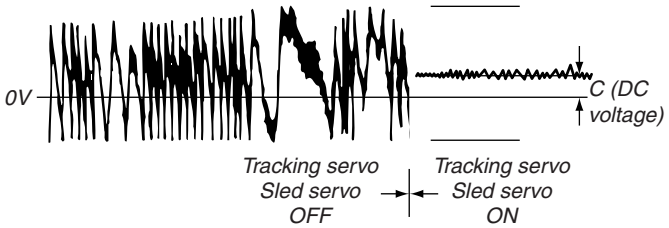
Traverse Waveform



7. Press the CD ►II button. (The tracking servo and sledding servo are turned ON)
   Confirm the C (DC voltage) is almost equal to the A (DC voltage) is step 4.
8. To exit from this mode, turn the power off.

Notes:
- Always move the optical pick-up to most inside track when exiting from this mode. Otherwise, a disc will not be unloaded.
- Do not run the sled motor excessively, otherwise the gear can be chipped.

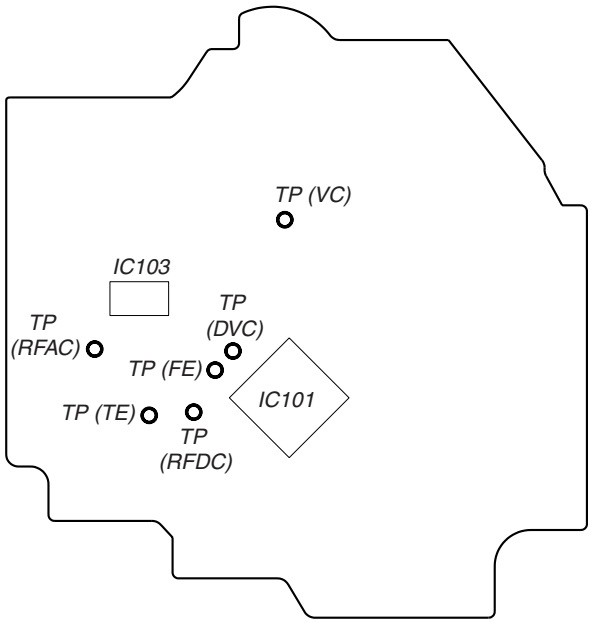
Traverse Waveform



Checking Location: CD board (Conductor side)

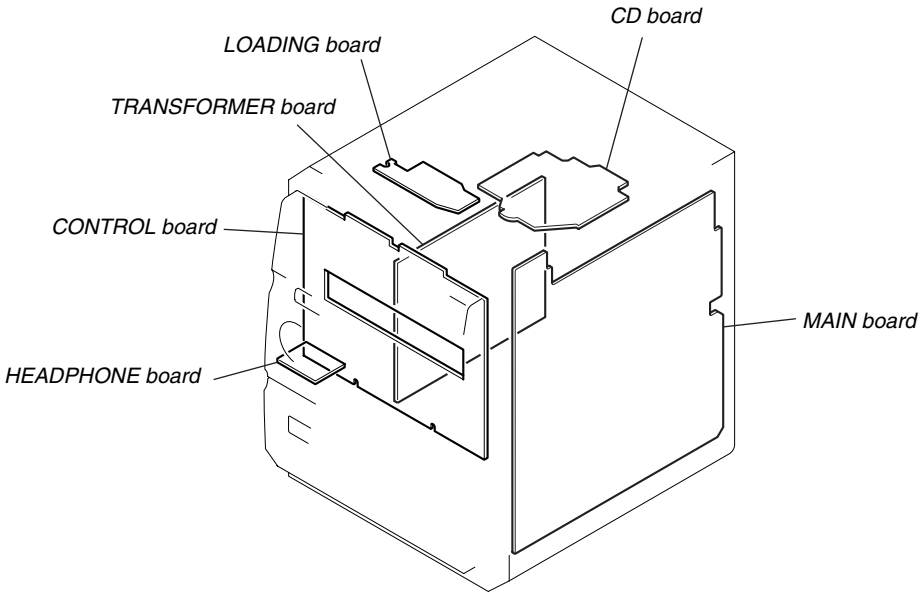
Checking Location:

– CD BOARD (Conductor Side) –



SECTION 6
DIAGRAMS

• Circuit Boards Location



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

For schematic diagrams.

Note:

- All capacitors are in µF unless otherwise noted. pF: µµF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : internal component.
- : nonflammable resistor.
- : fusible resistor.
- : panel designation.

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

- : B+ Line.
- : B– Line.
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  - : TUNER
  - : CD
  - : MD
  - : PB (TAPE)
  - : REC (TAPE)
- Abbreviation

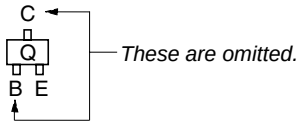
  AUS : Australian model
  CND : Canadian model
  E51 : Chilean and Peruvian models
  HK : Hong Kong model
  KR : Korean model
  SP : Singapore model
  TW : Taiwan model

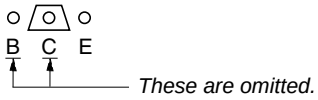
For printed wiring boards.

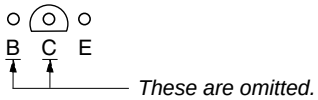
Note:

- ○—— : parts extracted from the component side.
- —— : parts extracted from the conductor side.
- △ : internal component.
- : Pattern from the side which enables seeing.

• Indication of transistor



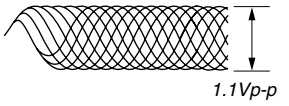




• **Waveforms**

– CD Board –

① IC103 ⑮ (RFAC)
(CD Play Mode)



200mV/DIV, 1 µs/DIV

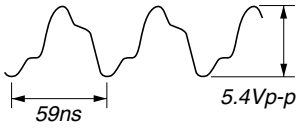
② IC101 ㊴ (FE)
(CD Play Mode)

50mV/DIV, 200 µs/DIV

③ IC101 ㊶ (TE)
(CD Play Mode)

100mV/DIV, 200 µs/DIV

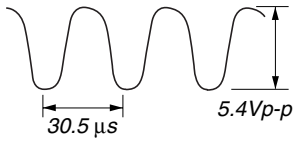
④ IC101 ㊼ (XTAO)



1V/DIV, 20ns/DIV

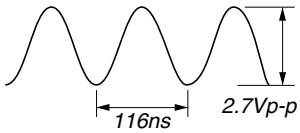
– CONTROL Board –

⑤ IC601 ⑬ (O-XT2)



2V/DIV, 10 µs/DIV

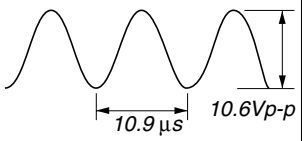
⑥ IC601 ⑯ (XOUT)



1V/DIV, 40ns/DIV

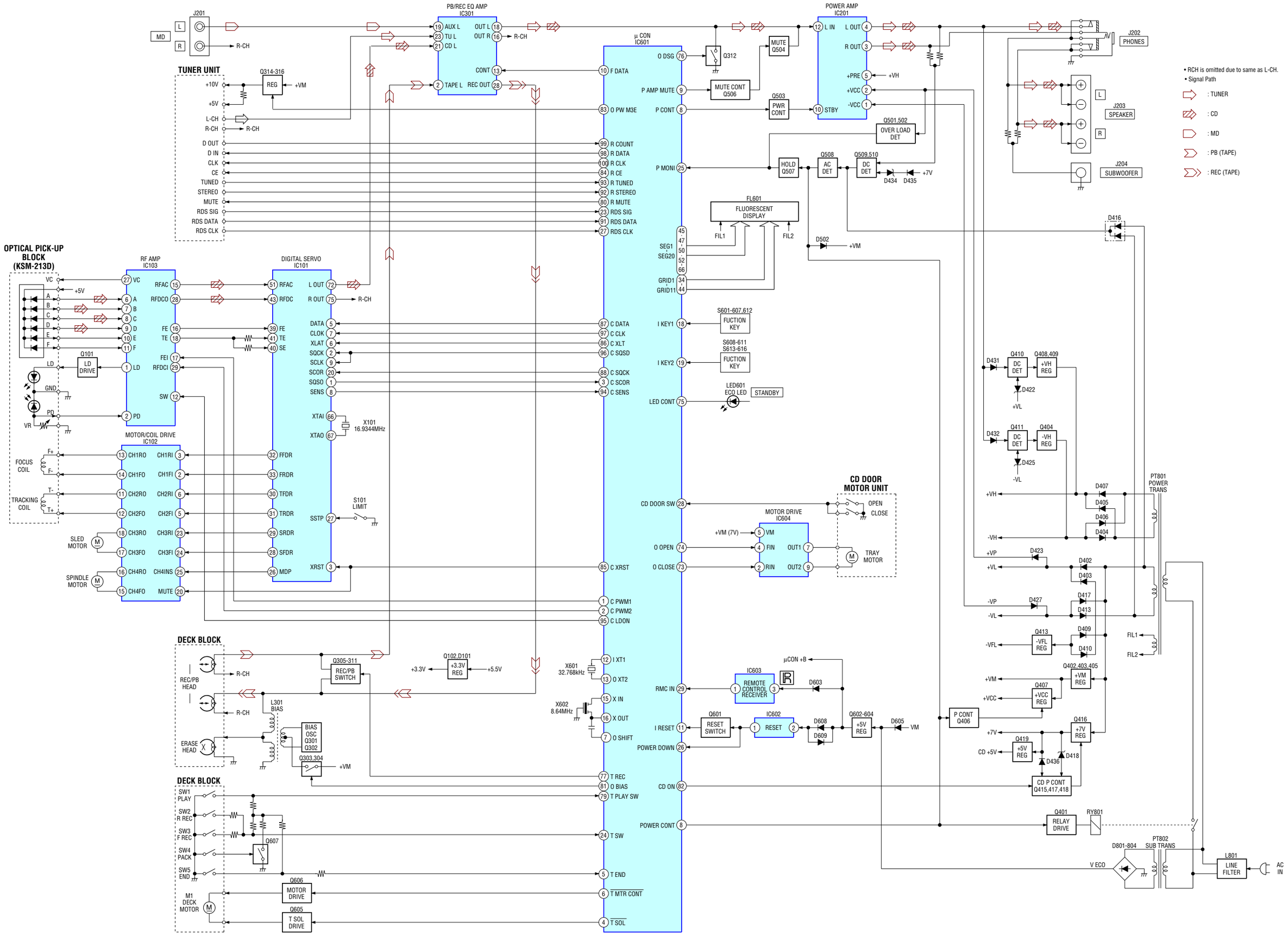
– MAIN Board –

⑦ Q301 collector (Rec mode)



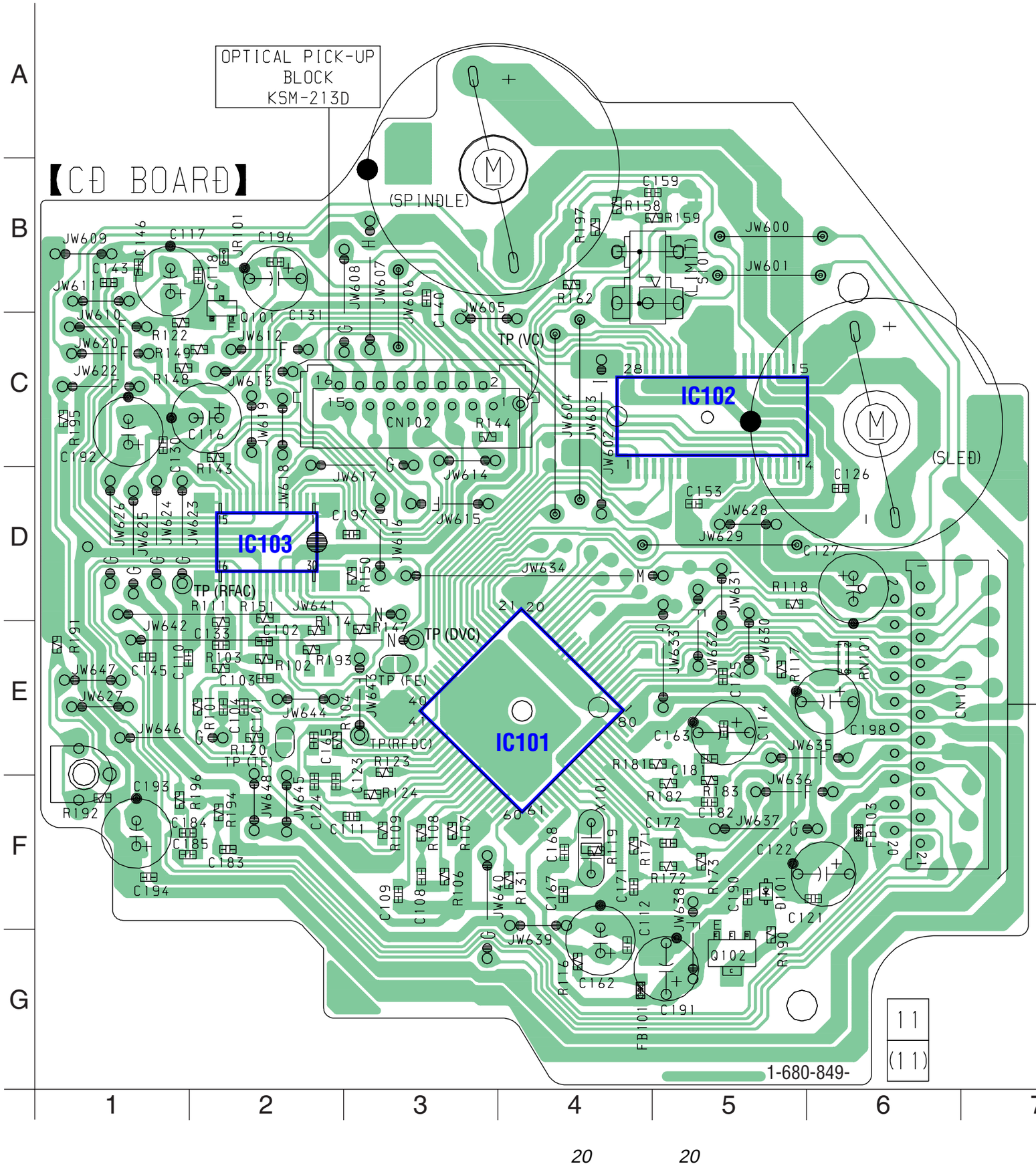
5V/DIV, 5 µs/DIV

6-1. Block Diagram



6-2. Printed Wiring Board – CD Section –

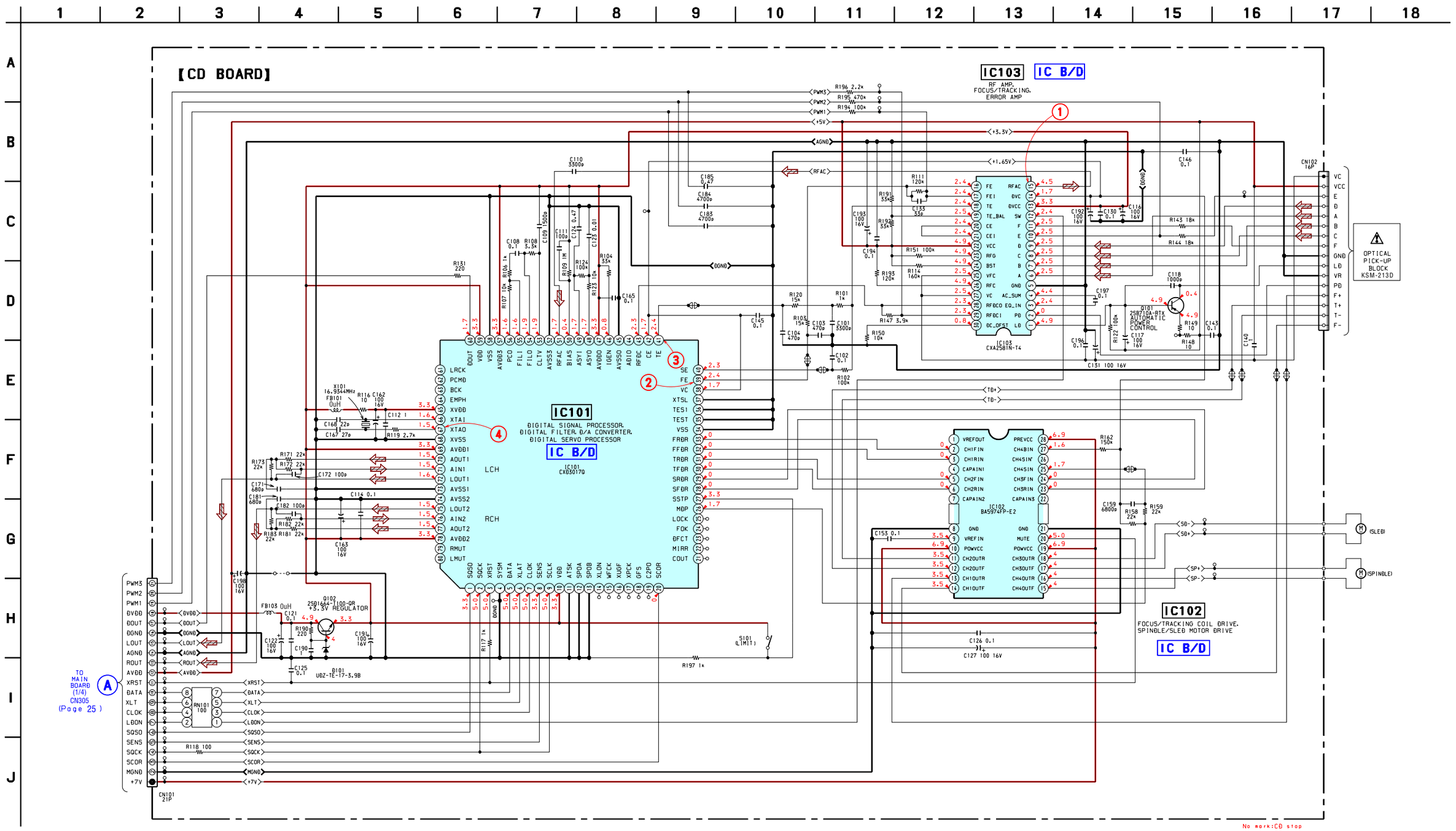
• See page 17 for Circuit Boards Location.



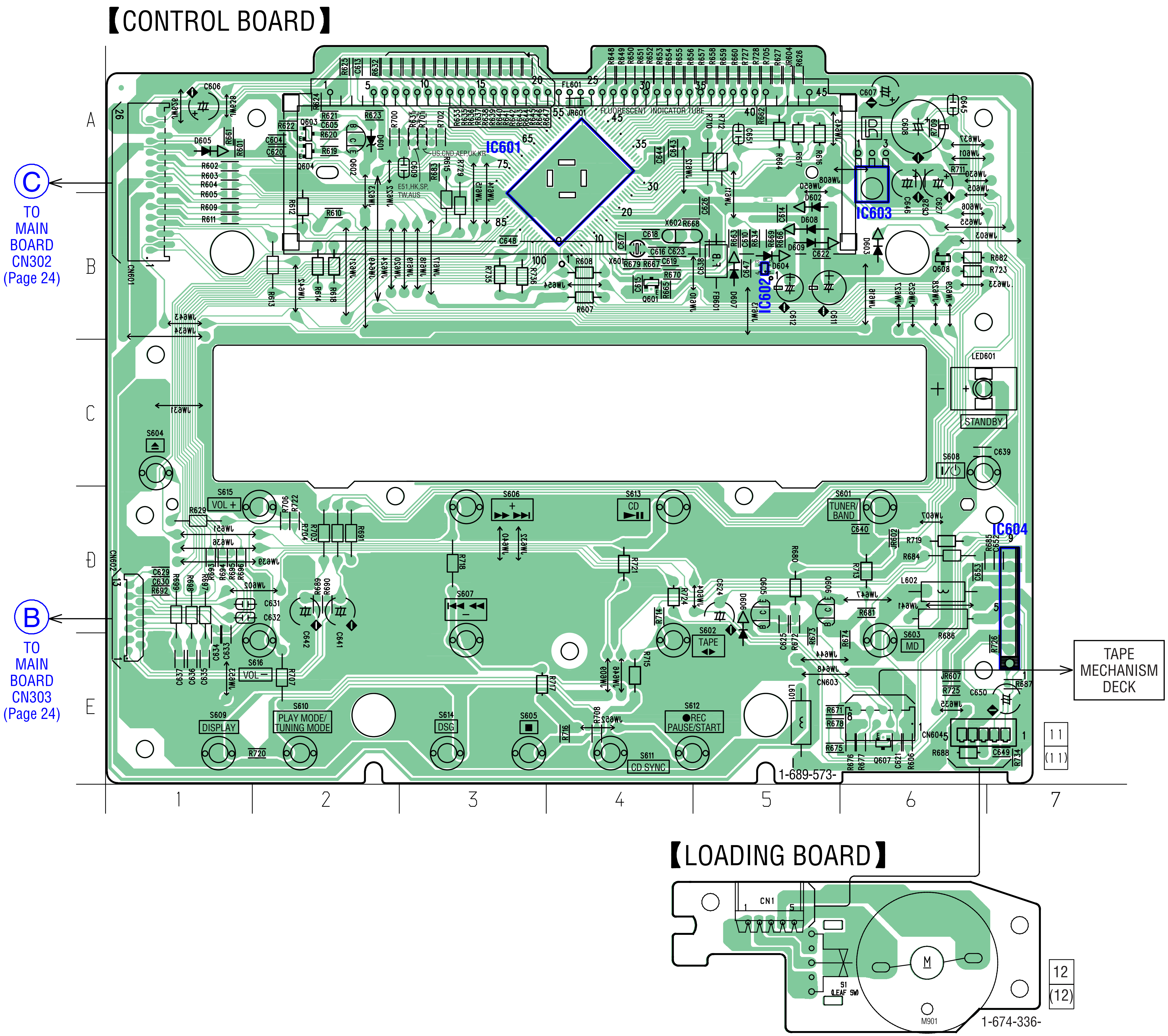
• **Semiconductor Location**

Ref. No.	Location
D101	F-5
IC101	E-4
IC102	C-5
IC103	D-2
Q101	C-2
Q102	G-5

6-3. Schematic Diagram – CD Section – • See page 18 for Waveforms. • See page 31, 32 for IC Block Diagrams.



6-4. Printed Wiring Board – Control Section – • See page 17 for Circuit Boards Location.



• **Semiconductor Location**

Ref. No.	Location
D601	A-2
D602	B-5
D603	B-6
D604	B-5
D605	A-1
D606	D-5
D607	B-5
D608	B-5
D609	B-5
IC601	A-3
IC602	B-5
IC603	B-6
IC604	D-7
Q601	B-4
Q602	A-2
Q603	A-2
Q604	A-2
Q605	D-5
Q606	D-5
Q607	E-6
Q608	B-6

6-5. Schematic Diagram – Control Section –

• See page 18 for Waveforms. • See page 33 for IC Block Diagram. • See page 35 for IC Pin Function Description.

【CONTROL BOARD】

IC603
REMOTE SENSOR
IC603 RPM7140-V4

FL601
FLUORESCENT INDICATOR TUBE

	US, CND, AEP, UK, KR	OTHER MODELS
R601	10K	3.9K
R631	NO MOUNT	22K
R700	0	22K
R701	10K	NO MOUNT
R702	1K	22K

IC601 VOLTAGE CHART

PIN NO.	VOLT.	PIN NO.	VOLT.	PIN NO.	VOLT.
1	2.3	41	-31.0	81	0.5
2	2.3	42	-31.0	82	5.2
3	0	43	-31.0	83	0.4
4	0.8	44	-31.0	84	0
5	5.3	45	-31.0	85	5.2
6	10.2	46	5.2	86	5.2
7	0	47	-31.0	87	5.2
8	5.1	48	-31.0	88	5.2
9	0	49	-31.0	89	0
10	0	50	-31.0	90	5.2
11	5.1	51	0	91	0.2
12	0	52	-31.0	92	5.3
13	2.6	53	-31.0	93	5.3
14	0	54	-31.0	94	3.3
15	2.6	55	-31.0	95	0
16	2.6	56	-31.0	96	3.3
17	5.2	57	-31.0	97	5.2
18	5.3	58	-31.0	98	0
19	5.3	59	-31.0	99	0.7
20	0.1	60	-31.0	100	0
21	0.1	61	-31.0		
22	0.1	62	-31.0		
23	0.1	63	-31.0		
24	2.0	64	-31.0		
25	3.1	65	-31.0		
26	5.6	66	-31.0		
27	0.1	67			
28	0	68	-		
29	5.3	69	2.5		
30	-	70	5.0		
31	-	71	0		
32	-	72	5.2		
33	-	73	5.2		
34	-31.0	74	5.2		
35	-31.0	75	0		
36	-31.0	76	5.2		
37	-31.0	77	0		
38	-31.3	78	0		
39	-31.0	79	4.9		
40	-31.0	80	5.2		

TO MAIN BOARD (1/4) CN302 (Page 25)

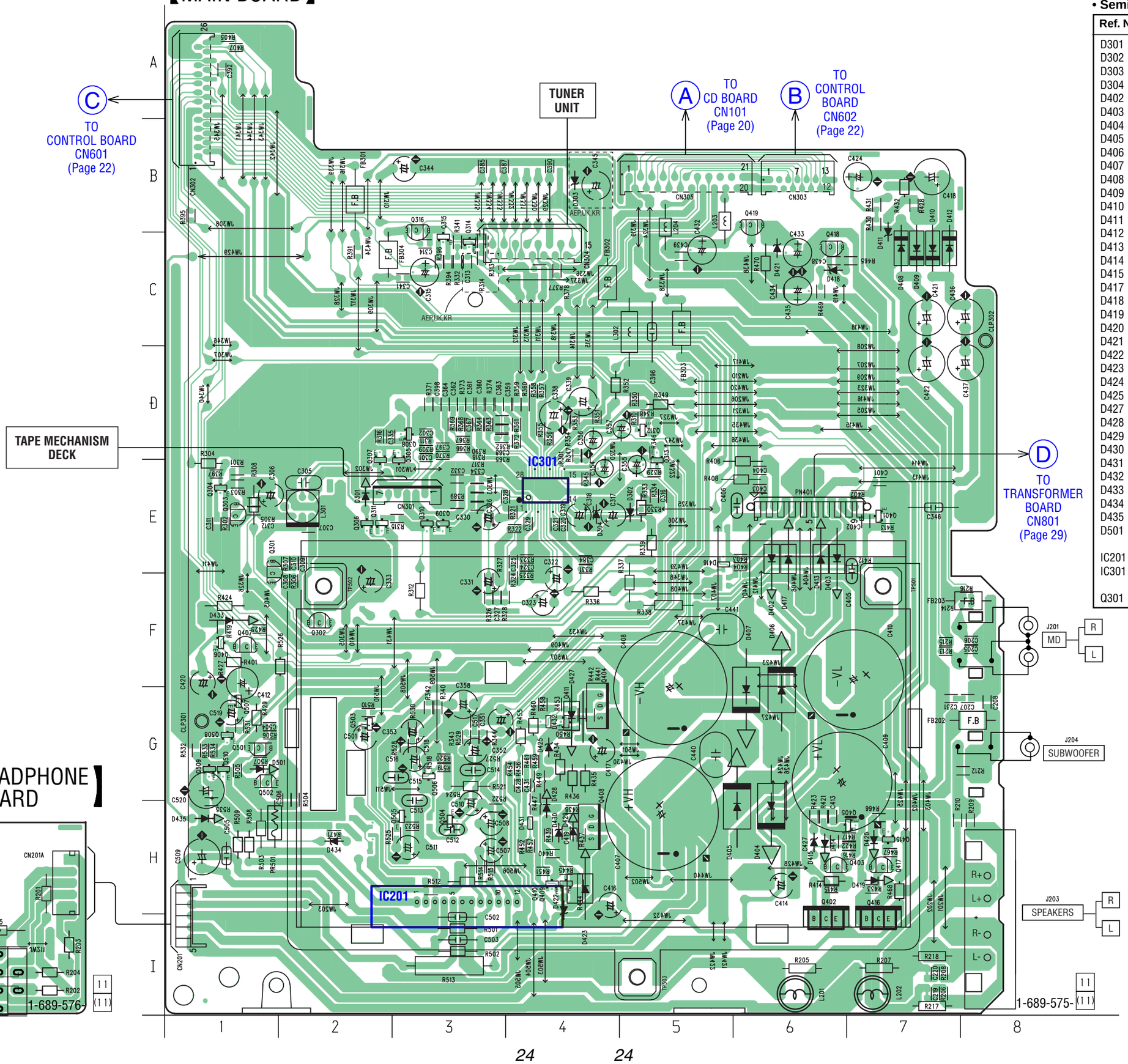
TAPE MECHANISM DECK

LOADING BOARD

TO MAIN BOARD (1/4) CN303 (Page 25)

6-6. Printed Wiring Boards – Main Section –

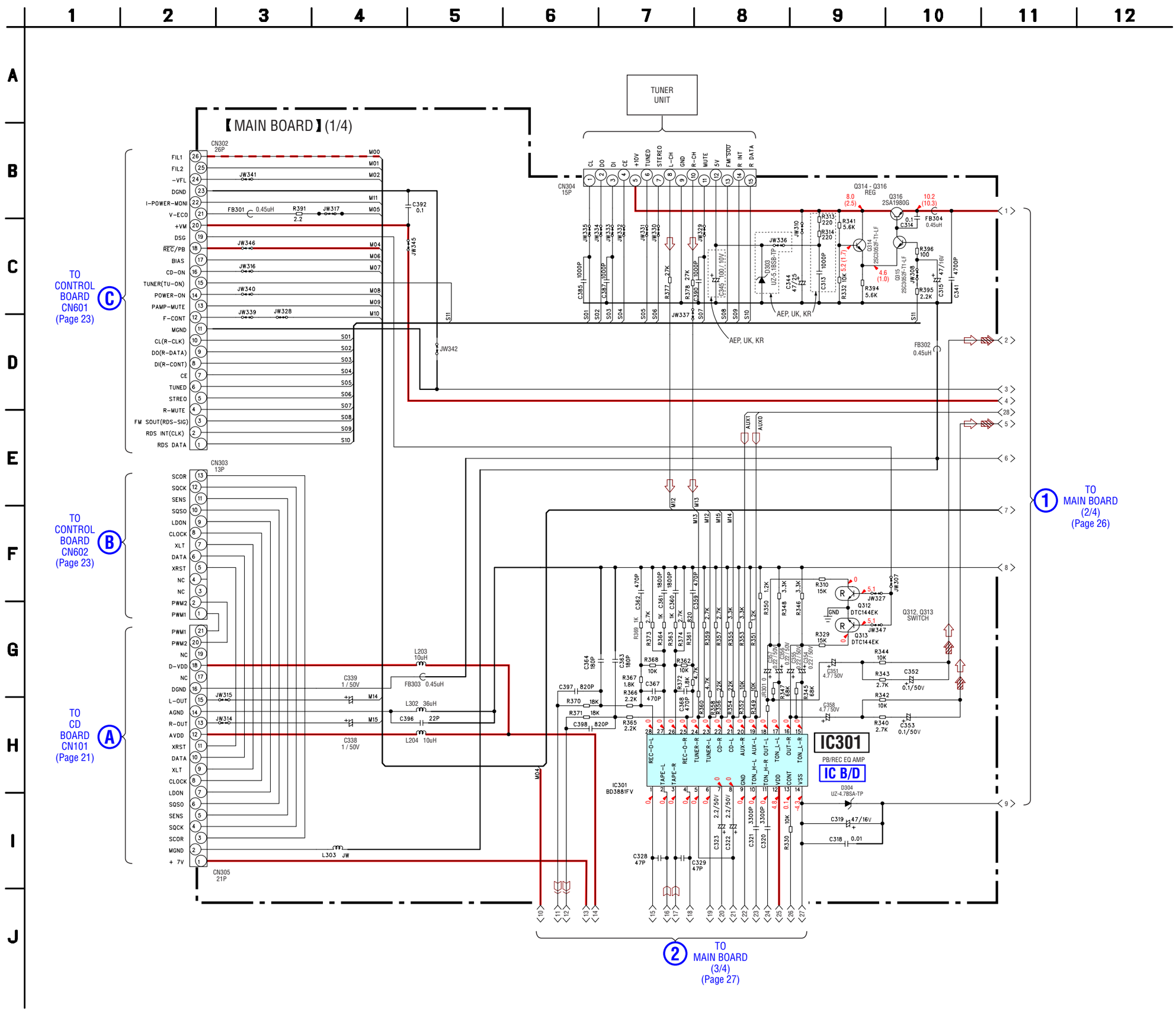
【MAIN BOARD】



• **Semiconductor Location**

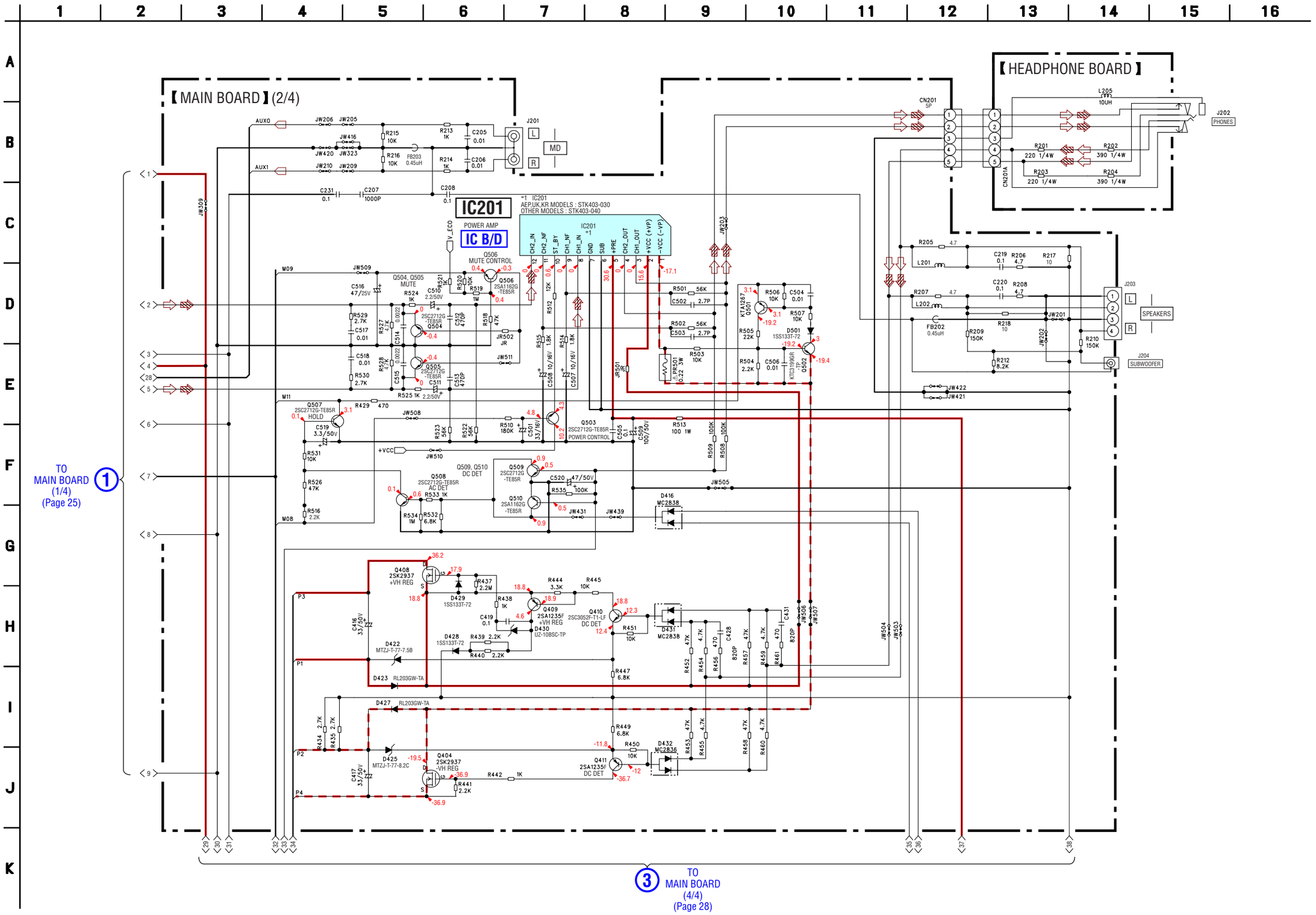
Ref. No.	Location	Ref. No.	Location
D301	E-2	Q302	F-2
D302	E-5	Q303	E-1
D303	B-4	Q304	E-1
D304	E-4	Q305	E-3
D402	F-6	Q306	E-2
D403	F-6	Q307	E-2
D404	H-6	Q308	D-3
D405	H-6	Q309	E-3
D406	G-6	Q310	E-3
D407	G-6	Q311	E-2
D408	C-7	Q312	D-5
D409	C-7	Q313	E-5
D410	C-7	Q314	C-3
D411	C-7	Q315	C-3
D412	C-7	Q316	C-3
D413	F-6	Q401	E-7
D414	H-6	Q402	I-6
D415	H-6	Q403	H-6
D417	F-6	Q404	G-4
D418	C-6	Q405	H-7
D419	H-7	Q406	F-1
D420	H-7	Q407	F-1
D421	C-6	Q408	H-4
D422	H-4	Q409	H-4
D423	H-4	Q410	H-4
D424	H-4	Q411	G-4
D425	G-4	Q415	H-7
D427	G-4	Q416	I-7
D428	H-4	Q417	H-7
D429	H-4	Q418	C-6
D430	H-4	Q419	C-6
D431	H-4	Q501	G-1
D432	G-4	Q502	G-1
D433	F-1	Q503	G-2
D434	H-2	Q504	H-3
D435	H-1	Q505	H-3
D501	G-1	Q506	G-3
		Q507	G-1
IC201	H-3	Q508	G-1
IC301	E-4	Q509	G-1
		Q510	G-1
Q301	F-1		

6-7. Schematic Diagram – Main Section (1/4) – • See page 33 for IC Block Diagram.

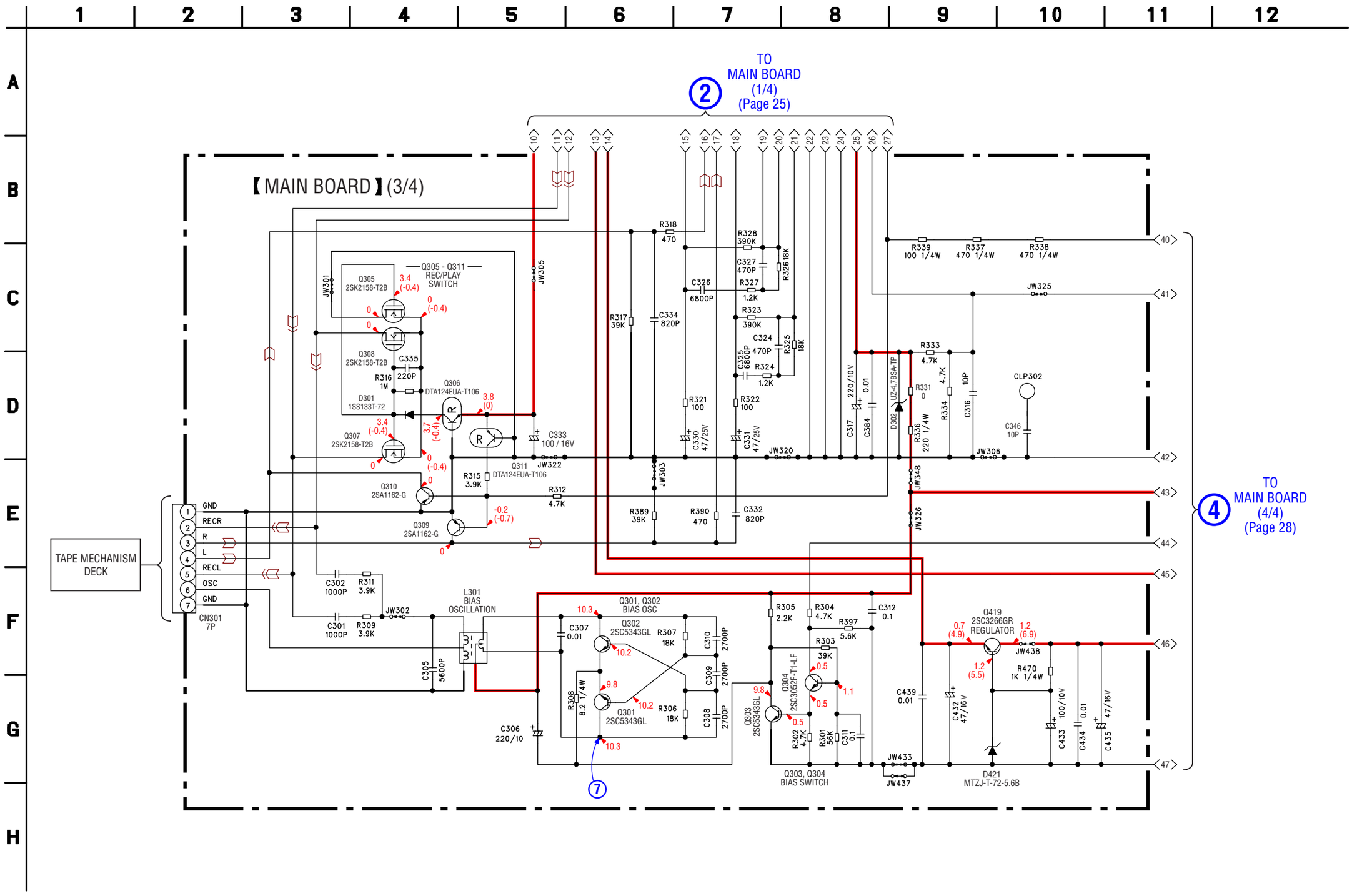


6-8. Schematic Diagram – Main Section (2/4) –

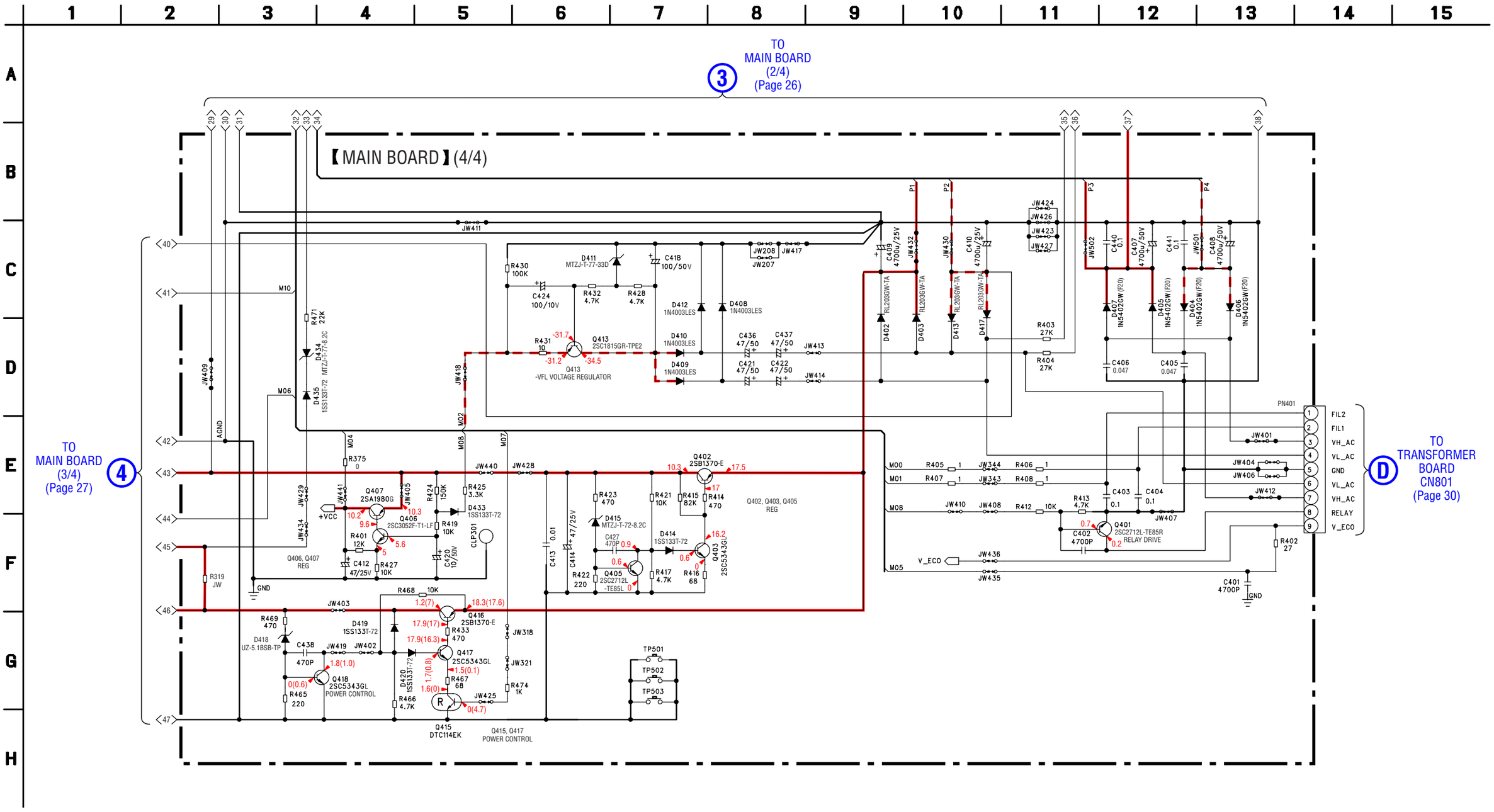
• See page 34 for IC Block Diagram.



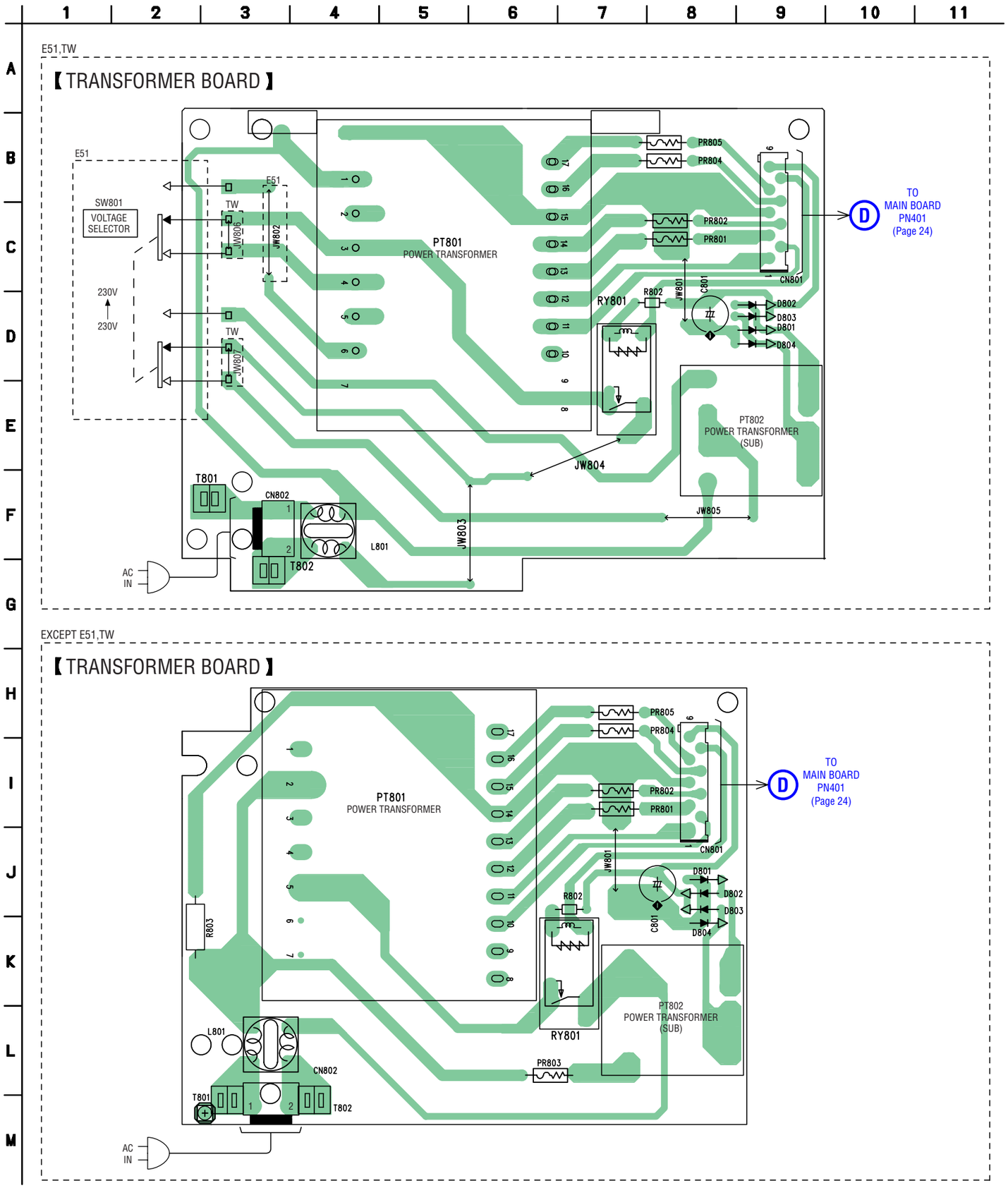
6-9. Schematic Diagram – Main Section (3/4) – • See page 18 for Waveform.



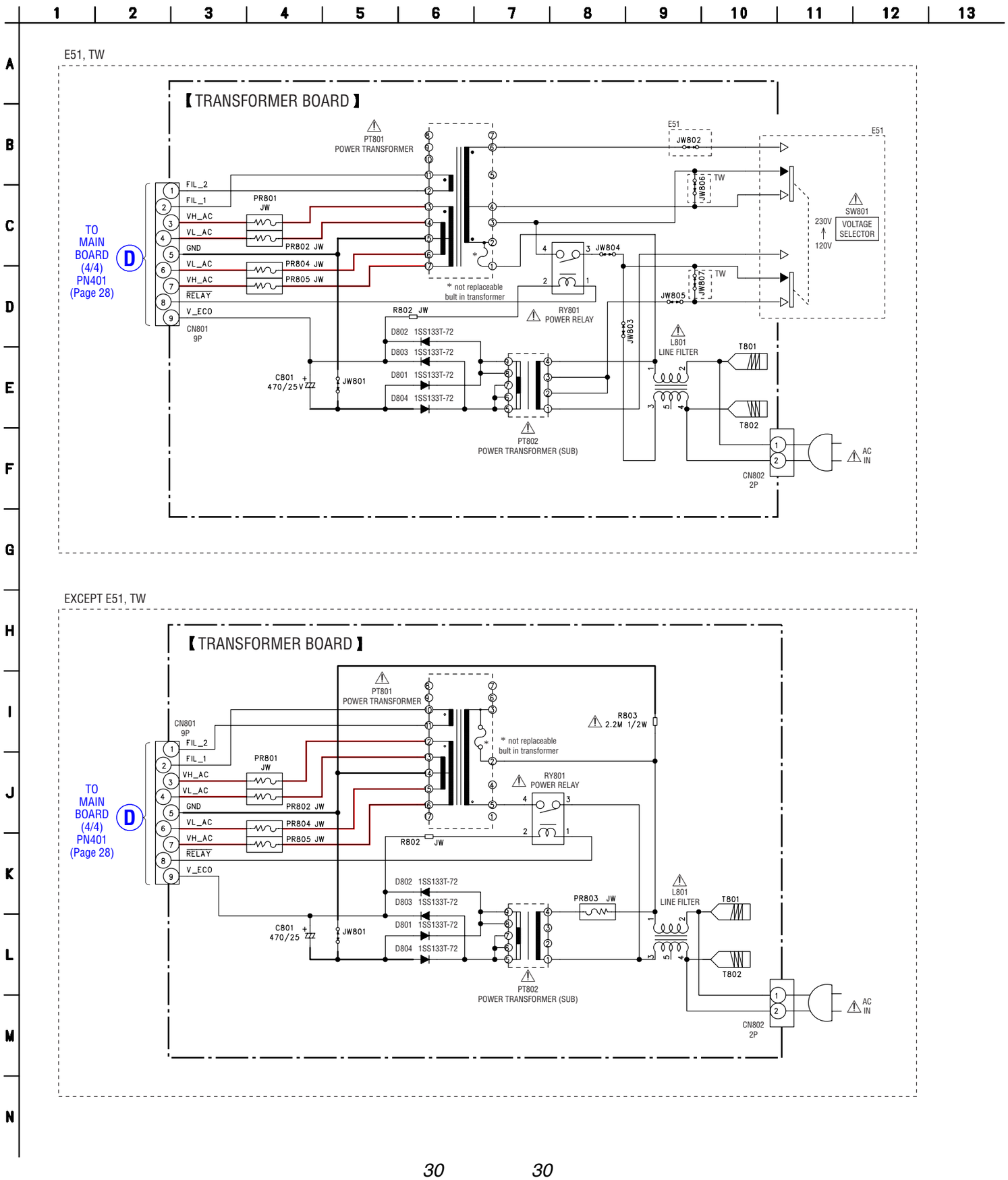
6-10. Schematic Diagram – Main Section (4/4) –



6-11. Printed Wiring Board – Power Section – • See page 17 for Circuit Boards Location.



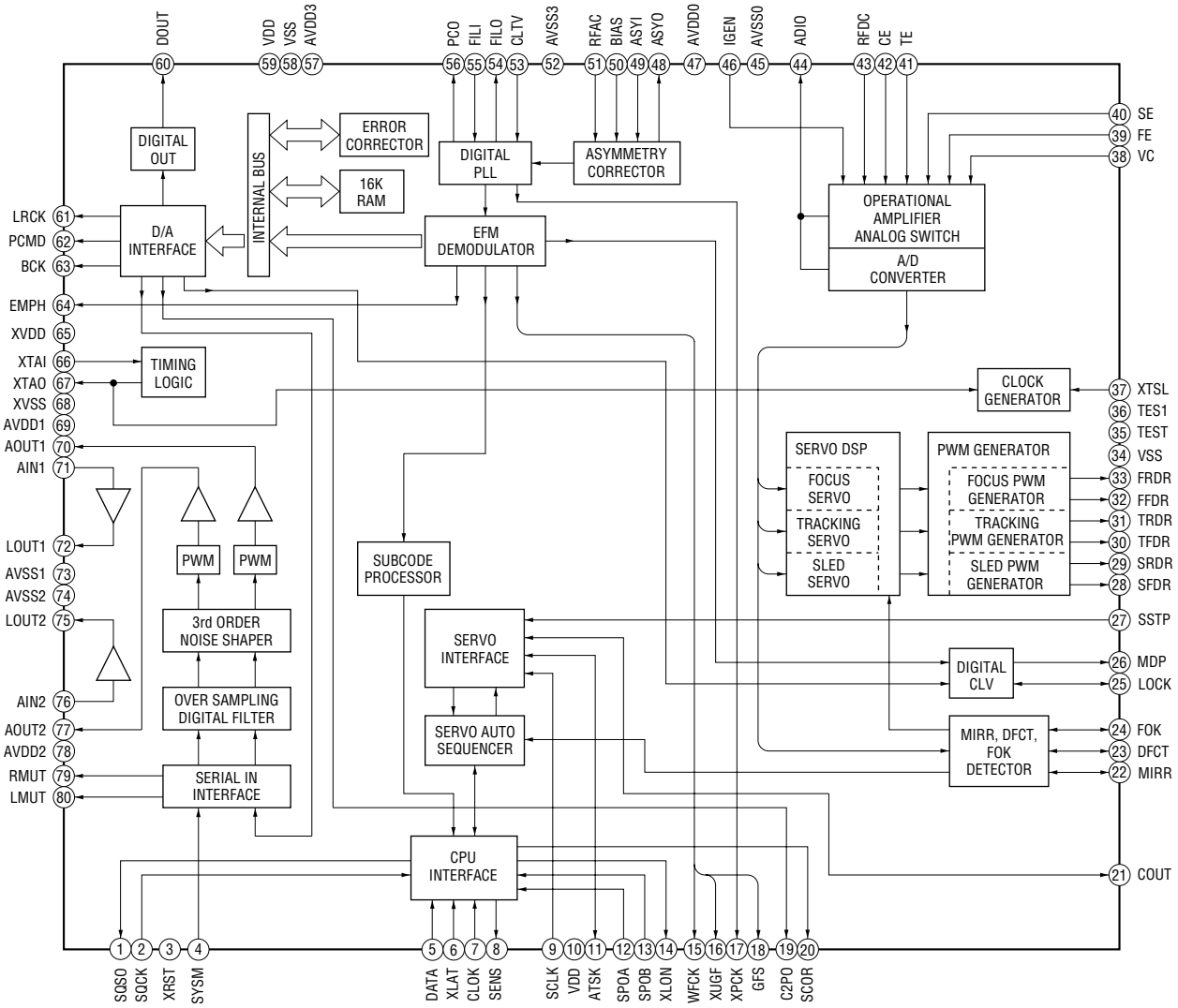
6-12. Schematic Diagram – Power Section –



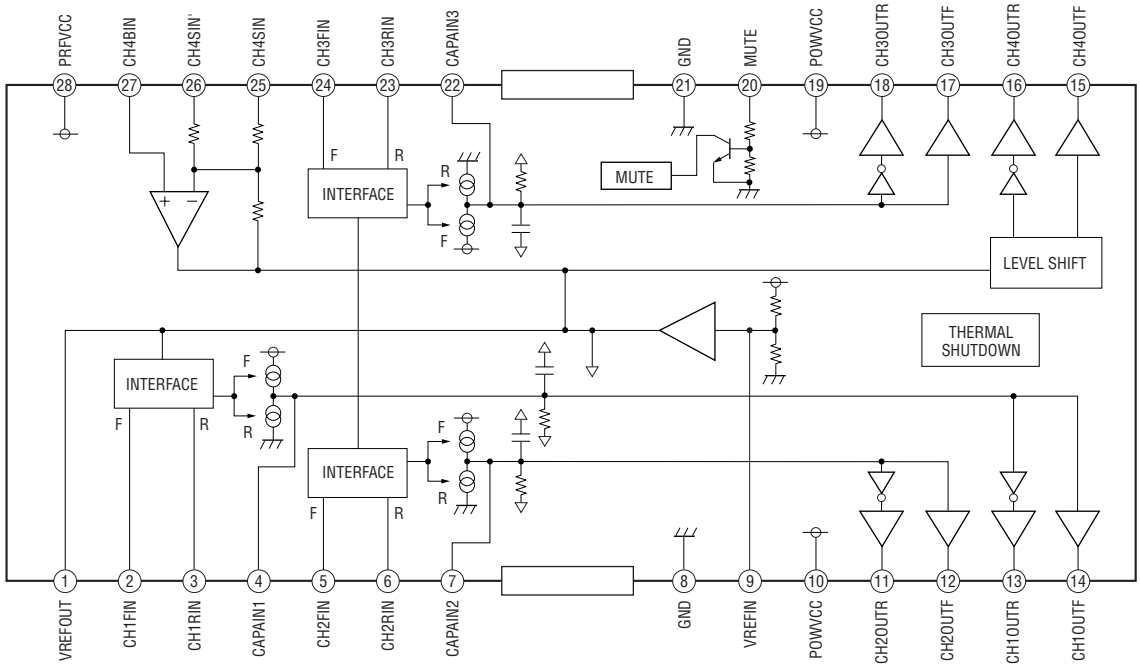
- **IC Block Diagrams**

– CD Board –

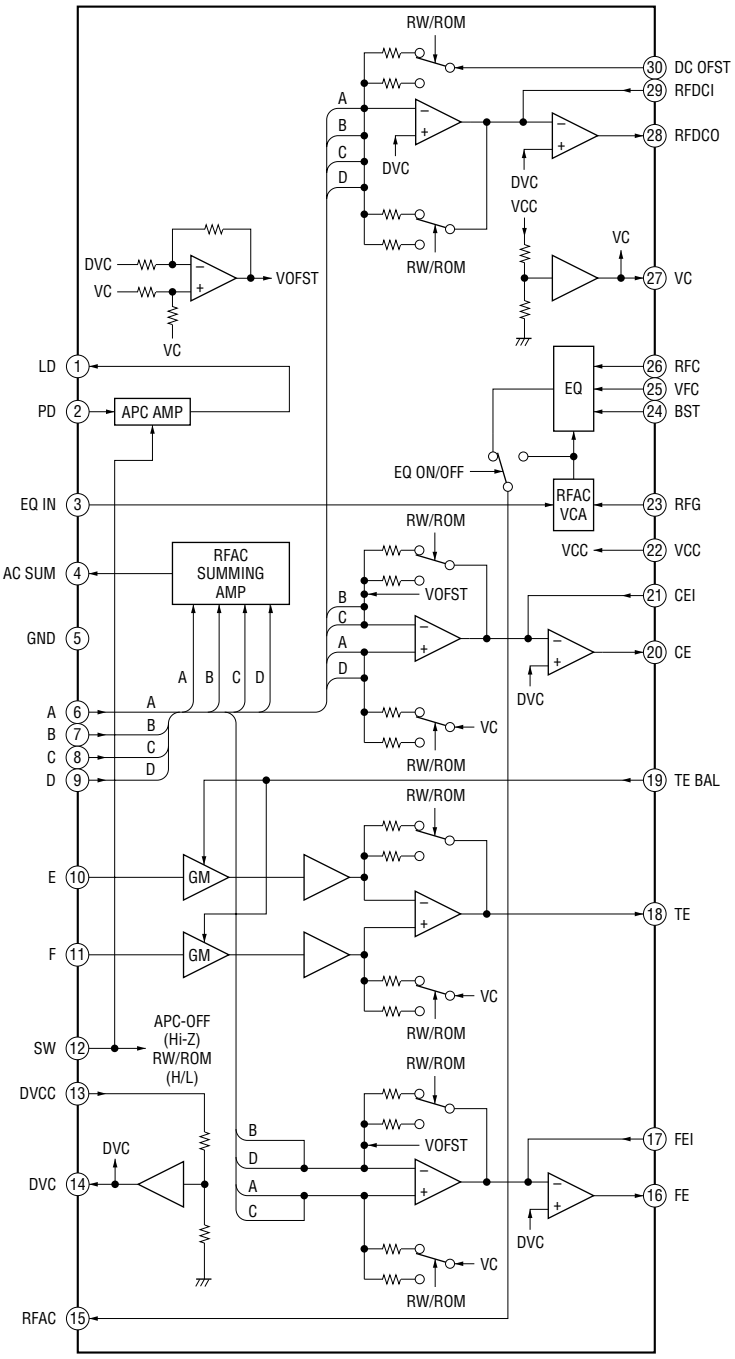
IC101 CXD3017Q



IC102 BA5974FP-E2

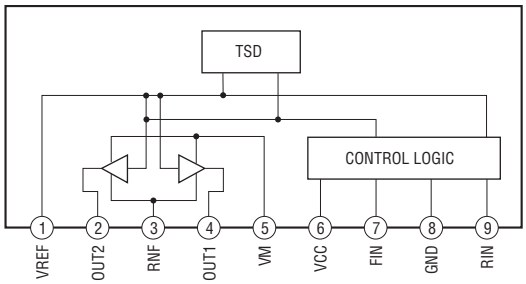


IC103 CXA2581N-T4



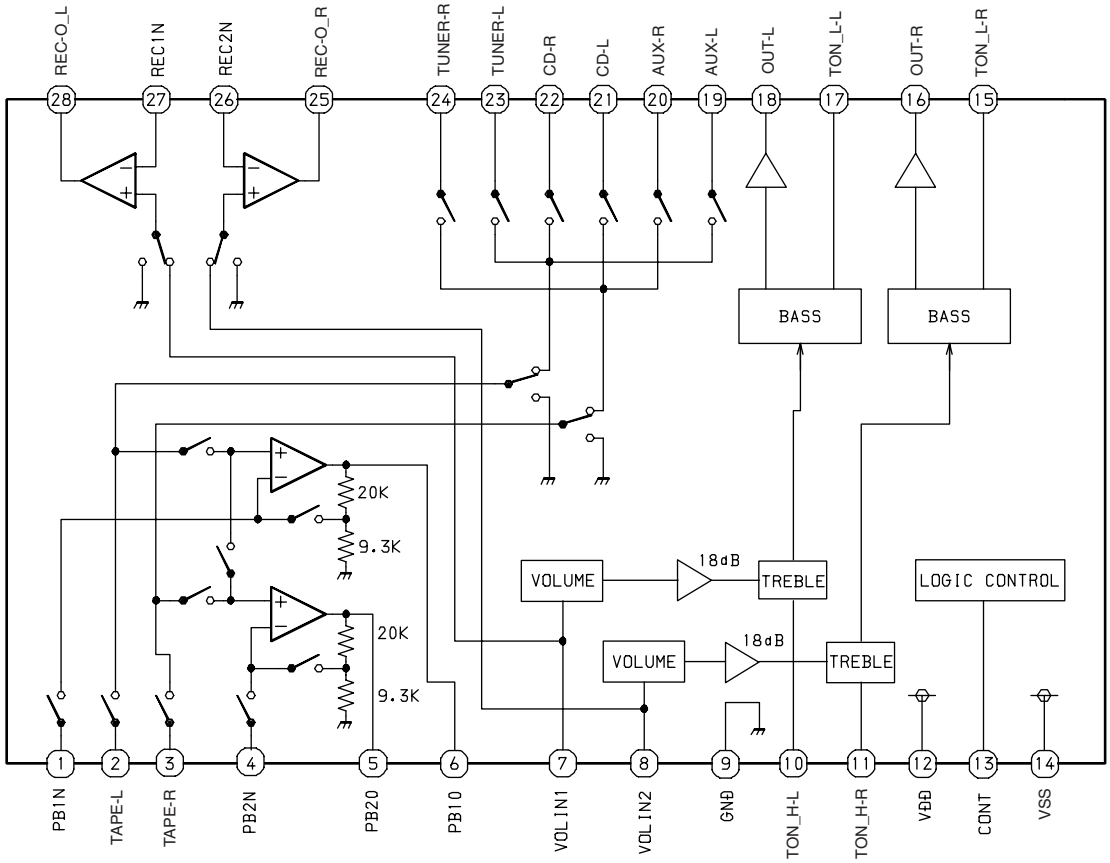
– CONTROL Board –

IC604 BA6956AN

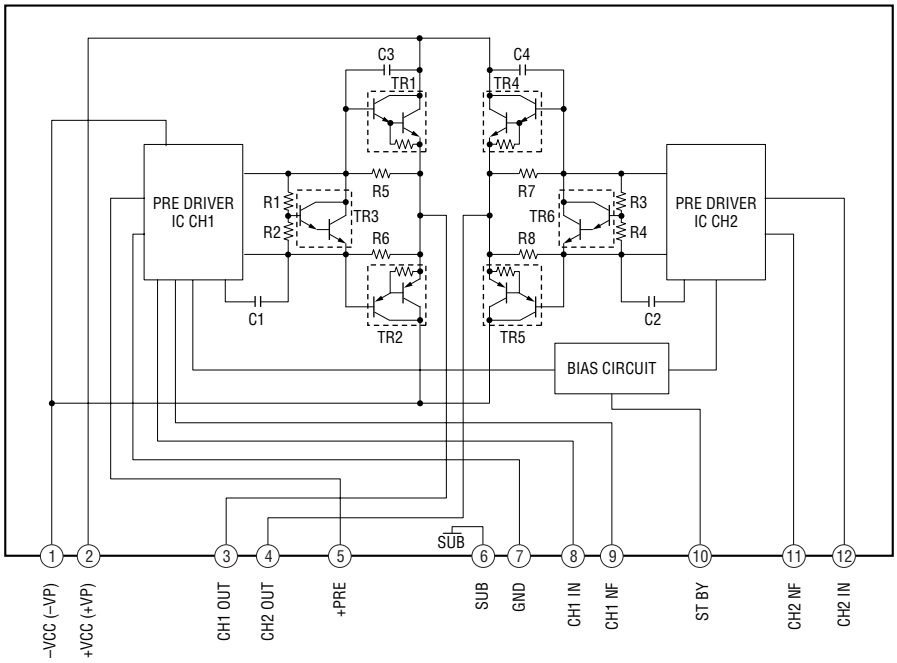


– MAIN Board –

IC301 BD3881FV



IC201 STK403-040



6-13. IC Pin Function Description

IC601 LC876764A-51E5 System Control (CONTROL Board)

Pin No.	Pin Name	I/O	Description
1	C-PWM1	O	PWM1 signal output to the CD unit
2	C-PWM2	O	PWM2 signal output to the CD unit
3	C-SCOR	I	SCOR (SUBQ request) signal output to the CD unit
4	T-SOL	O	Solenoid control signal output to the tape deck
5	T-END	I	Tape deck reel switch signal input
6	T-MTR.CONT	O	Motor control signal output to the tape deck
7	O-SHIFT	O	Clock shift control signal output
8	P-CON	O	Power relay control signal output
9	PAMP-MUTE	O	Muting control signal output to the power amplifier
10	F-DATA	O	Control signal output to the sound processor
11	I-RESET	I	Reset signal input from the reset IC (IC603)
12	I-XT1	I	Resonator terminal (32.768kHz)
13	O-XT2	O	Resonator terminal (32.768kHz)
14	GND.	—	Ground terminal
15	XIN	I	Resonator terminal (8.64MHz)
16	XOUT	O	Resonator terminal (8.64MHz)
17	VDD1	—	Power supply terminal
18	I-KEY1	I	Key AD input 1
19	I-KEY2	I	Key AD input 2
20	BASS ENC INPUT	I	Encoder signal input from the bass encoder
21	TRBLE ENC INPUT	I	Encoder signal input from the treble encoder
22	VOL-ENC	I	Encoder signal input from the volume encoder
23	RDS-SIG	I	RDS signal level input from the tuner
24	T-SW	I	Tape switch status signal input from the tape deck (SW2 to 4)
25	I-POWER MONI	I	Power amplifier overload monitoring signal input
26	I-POWER DOWN	I	Power down detection signal input
27	RDS-CLK	I	RDS clock input from the tuner
28	CD-DOOR-SW	I	CD door open/close switch signal input
29	RMC-IN	I	Remote sensor signal input
30 to 33	NC	—	Not used (open)
34 to 44	O-GRID1 to 11	O	Grid signal output to the fluorescent indicator tube
45	O-SEG1	O	Segment signal output to the fluorescent indicator tube
46	VDD3	—	Power supply terminal
47 to 50	O-SEG2 to 5	O	Segment signal output to the fluorescent indicator tube
51	GND.	—	Ground terminal
52 to 66	O-SEG6 to 20	O	Segment signal output to the fluorescent indicator tube
67, 68	NC	—	Not used (open)
69 to 71	I-INI-1 to 3	I	Initial selection signal input
72	VDD4	—	Power supply terminal
73	O-CLOSE	O	CD tray close control signal output
74	O-OPEN	O	CD tray open control signal output
75	LED-CONT	O	Standby LED control signal output
76	O-DSG	O	Not used (open)
77	T-REC	O	REC/PLAY control signal output to the REC/PLAY switch circuit
78	I-INI.BASS+2	—	Not used (fixed at “L”)
79	T-PLAY.SW	I	Play switch signal input from the tape deck
80	R-MUTE	O	Muting signal output to the tuner
81	O-BIAS	O	Bias control signal output to the bias oscillation circuit
82	CD-FUN	O	CD power supply control signal output
83	O-PWM3E	O	Tuner power supply control siganl output

Pin No.	Pin Name	I/O	Description
84	R-CE	O	Tuner chip enable signal output to the tuner
85	C-XRST	O	Reset signal output to the CD unit
86	C-XLT	O	Latch signal output to the CD unit
87	C-DATA	O	Data output to the CD unit
88	C-SQCK	O	SUBQ clock output to the CD unit
89	VSS2	—	Ground terminal
90	VDD2	—	Power supply terminal
91	RDS-DATA	I	RDS data input from the tuner
92	R-ST	I	Stereo/mono detection signal input from the tuner
93	R-TUNED	I	Tuner tuned status signal input
94	C-SENS	I	SENS signal input from the CD unit
95	C-LDON	O	LD ON signal output to the CD unit
96	C-SQSO	I	SUB-Q data input from the CD unit
97	C-CLK	O	Clock output to the CD unit
98	R-DATA	O	Data output to the tuner
99	R-COUNT	I	IF count signal input from the tuner
100	R-CLK	O	Clock signal output to the tuner

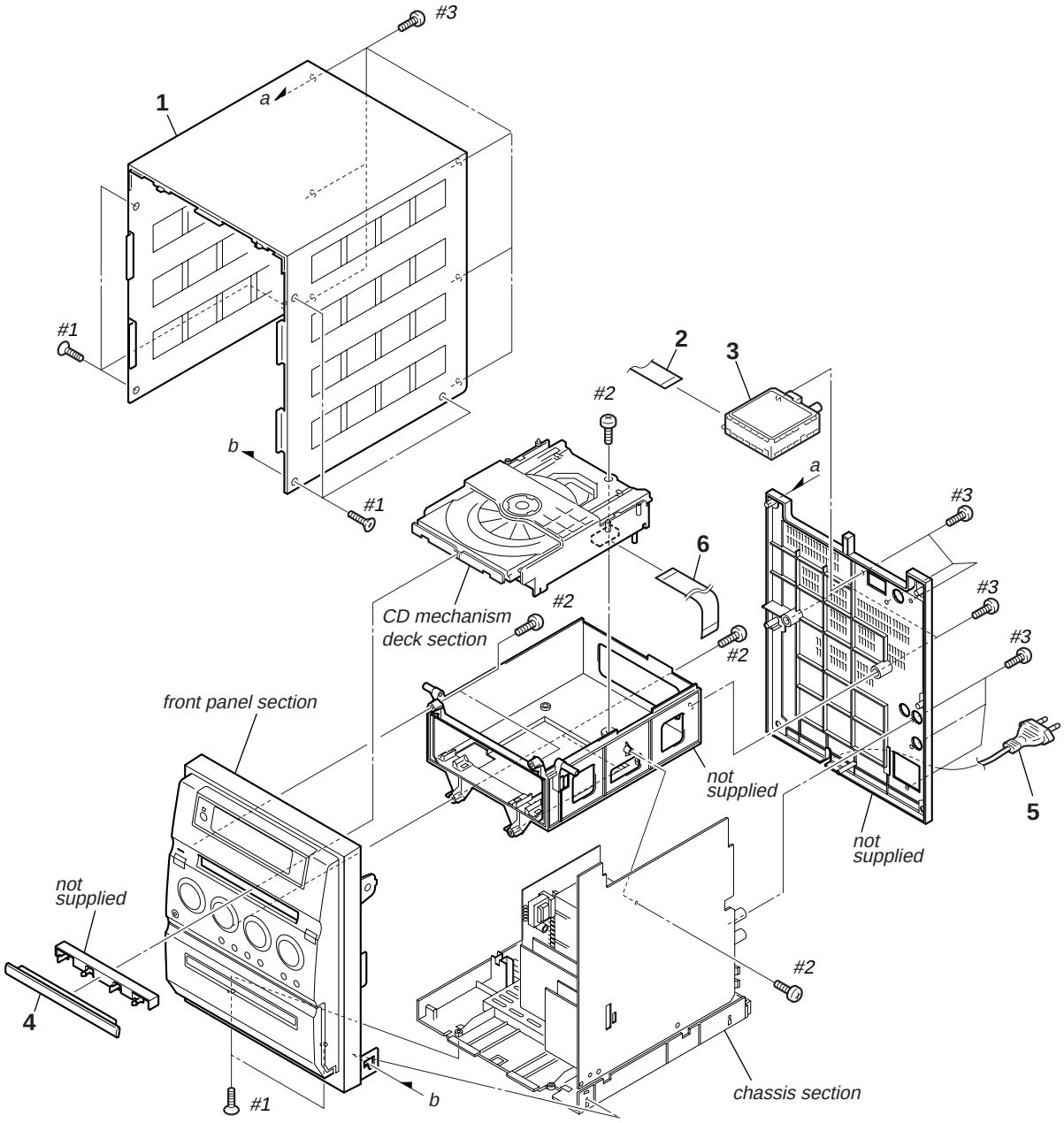
SECTION 7
EXPLODED VIEWS

NOTE:
- -XX, -X mean standardized parts, so they may have some differences from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Abbreviation
  AUS : Australian model
  CND : Canadian model
  E51 : Chilean and Peruvian models
  HK : Hong Kong model
  KR : Korean model
  SP : Singapore model
  TW : Taiwan model

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

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

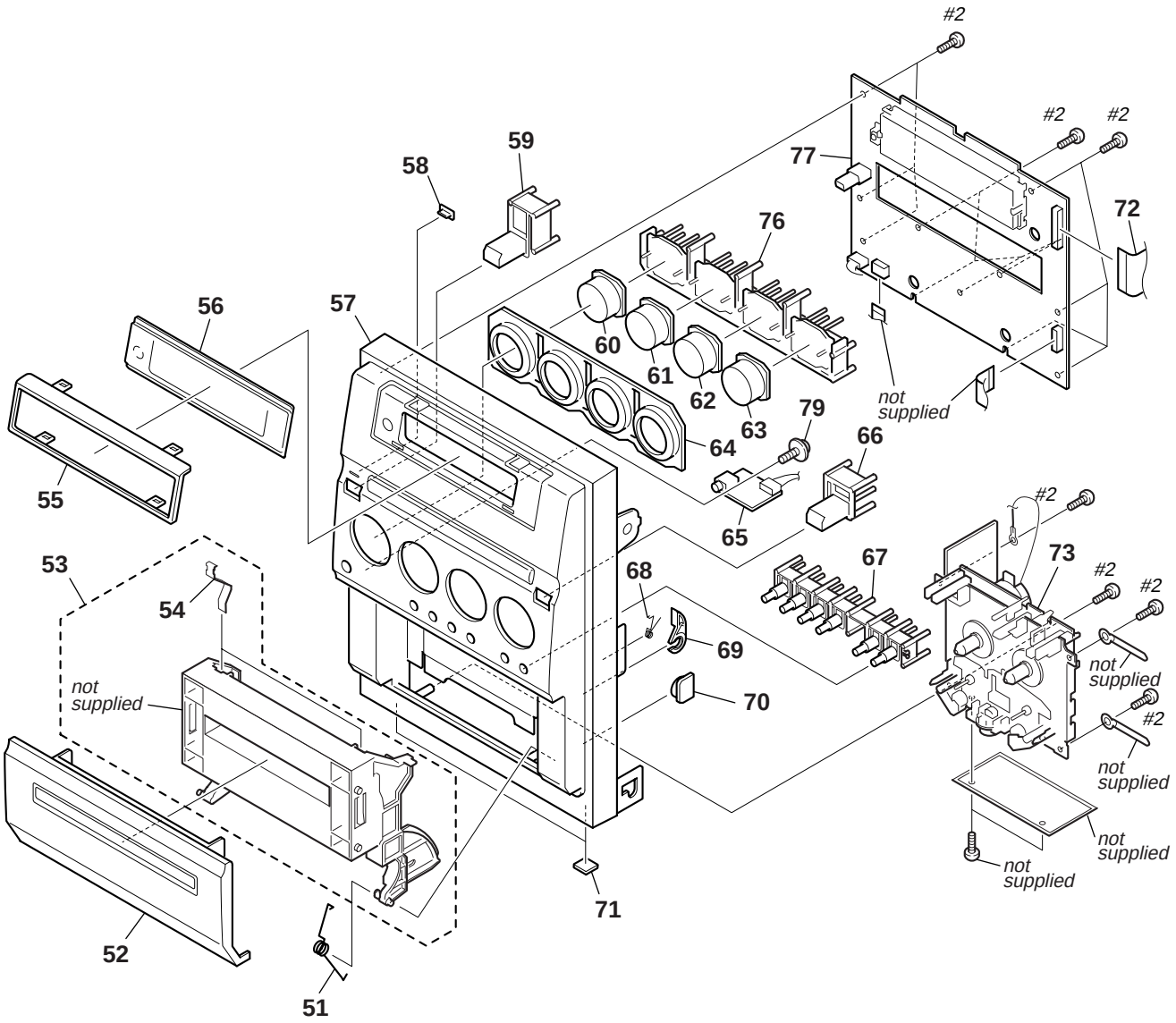
7-1. Overall Section



Ref. No.	Part No.	Description	Remark
1	4-247-756-01	CABINET, TOP (US,CND,AEP,UK,KR)	
1	4-247-756-21	CABINET, TOP (AUS,E51,HK,SP,TW)	
2	1-827-731-11	WIRE (FLAT TYPE)(11 CORE)(EXCEPT AEP,UK)	
2	1-828-984-11	WIRE (FLAT TYPE)(15 CORE)(AEP,UK)	
3	1-693-619-11	TUNER (FM/AM)(AEP,UK,KR)	
3	1-693-620-11	TUNER (FM/AM)(AUS,E51,HK,SP,TW)	
3	1-693-624-11	TUNER (FM/AM)(US,CND)	
4	4-247-367-01	LID,CD	

Ref. No.	Part No.	Description	Remark
⚠5	1-555-795-00	CORD, POWER (EXCEPT US,CND,TW,KR)	
⚠5	1-769-079-22	CORD, POWER (KR)	
⚠5	1-783-532-11	CORD, POWER (US,CND,TW)	
6	1-827-714-11	WIRE (FLAT TYPE)(21 CORE)	
#1	7-685-248-14	SCREW +KTP 3X12 TYPE2 NON-SLIT	
#2	7-685-647-79	SCREW +BVTP 3X10 TYPE2 NON-S	
#3	7-685-647-14	SCREW +BVTP 3X10 TYPE2 NON-S	

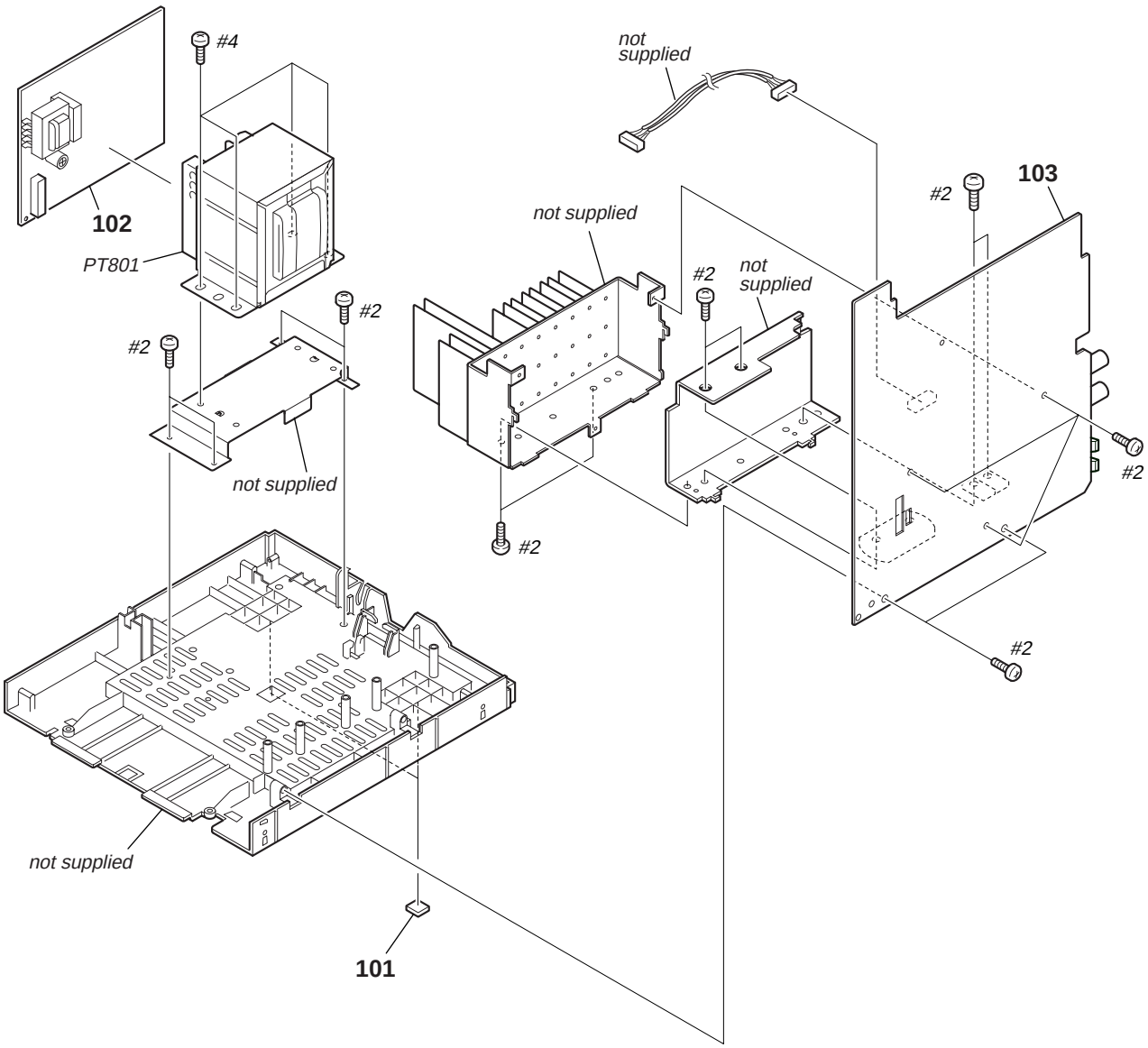
7-2. Front Panel Section



Ref. No.	Part No.	Description	Remark
51	4-247-757-01	SPR-T,CASS	
52	X-4955-860-1	LID TC ASSY	
53	X-4955-859-1	HOLDER CASSETTE ASSY	
54	4-238-631-01	TAPE SPRING	
55	4-247-361-01	COVER, DISPLAY	
56	4-247-374-01	WINDOW,DISPLAY	
57	4-247-366-01	CABINET, FRONT (AEP,UK)	
57	4-247-366-21	CABINET, FRONT (EXCEPT AEP,UK)	
58	4-247-376-01	POWER,INDICATER	
59	4-247-370-01	BUTTON,POWER	
60	4-247-357-01	CAP, AUX	
61	4-247-358-01	CAP, CD	
62	4-247-359-01	CAP, TUNING	
63	4-247-356-01	CAP, VOL	
64	4-247-360-01	COVER, RING	
65	1-689-576-11	HEADPHONE BOARD	

Ref. No.	Part No.	Description	Remark
66	4-247-369-01	BUTTON,OPEN/CLOSE	
67	4-247-368-01	BUTTON,FUNCTION	
68	4-231-841-01	SPRING (HEART CAM-B)	
69	4-231-825-01	CAM (B), HEART	
70	4-242-318-01	OIL-DMPR, 70	
71	4-247-752-01	RUBBER, FOOT	
72	1-829-747-11	WIRE (FLAT TYPE)(26 CORE)	
73	1-796-351-51	MECHANISM, SINGLE CASSETTE	
76	4-247-371-01	BUTTON,CD	
77	A-4747-954-A	CONTROL BOARD, COMPLETE (AEP,UK,KR)	
77	A-4747-960-A	CONTROL BOARD, COMPLETE (US,CND)	
77	A-4748-774-A	CONTROL BOARD, COMPLETE (E51,HK,SP,TW,AUS)	
79	3-229-336-01	SCREW +BVWH TAPPING	
#2	7-685-647-79	SCREW +BVTP 3X10 TYPE2 NON-S	

7-3. Chassis Section



Ref. No.	Part No.	Description	Remarks
101	4-247-752-01	RUBBER, FOOT	
102	1-689-574-11	TRANSFORMER BOARD	
103	A-4747-957-A	MAIN BOARD, COMPLETE (AEP,UK,KR)	
103	A-4747-962-A	MAIN BOARD, COMPLETE (US,CND)	
103	A-4748-777-A	MAIN BOARD, COMPLETE (E51,HK,SP,TW,AUS)	
⚠PT801	1-443-032-11	TRANSFORMER, POWER (US,CND)	
⚠PT801	1-443-033-11	TRANSFORMER, POWER (AEP,UK)	
⚠PT801	1-443-034-11	TRANSFORMER, POWER (HK,SP,AUS)	
⚠PT801	1-443-036-11	TRANSFORMER, POWER (KR)	
⚠PT801	————	TRANSFORMER, POWER (E51,TW)	
#2	7-685-647-79	SCREW +BVTP 3X10 TYPE2 NON-S	
#4	7-682-561-09	SCREW +B 4X8P	

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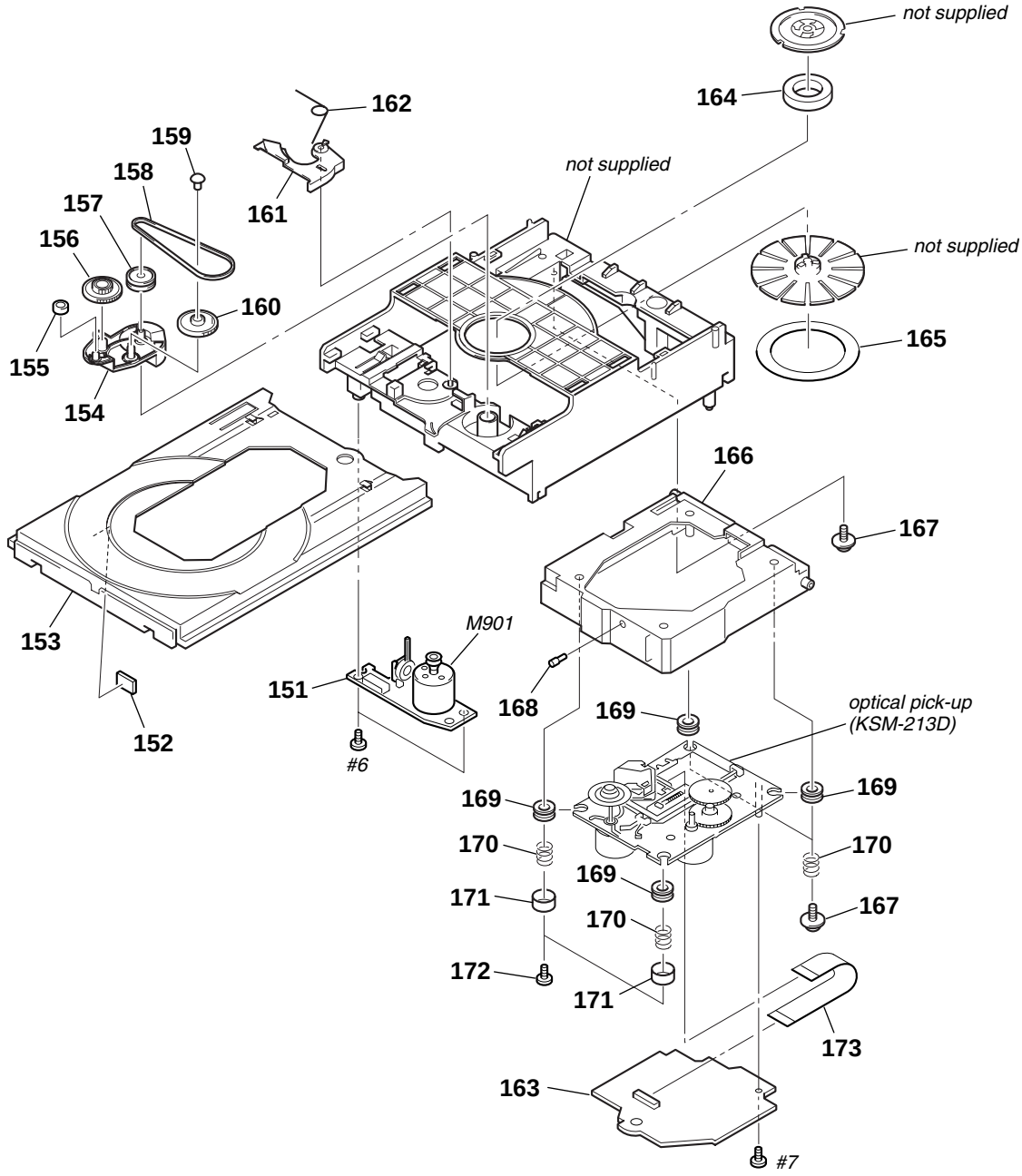
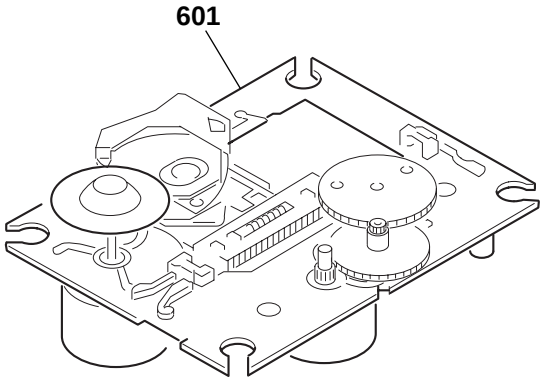
7-4. CD Mechanism Deck Setion



Ref. No.	Part No.	Description	Remarks
151	1-674-336-12	LOADING BOARD	
152	4-925-315-31	DAMPER	
153	4-224-894-22	TRAY (CDM55D)	
154	4-220-233-01	CAM (CDM55)	
155	4-221-815-11	ROLLER	
156	4-220-237-01	GEAR (A)	
157	4-220-234-01	PULLEY (LDG)	
158	4-221-816-01	BELT (CDM55)	
159	4-227-598-01	SPACER (55)	
160	4-220-238-01	GEAR (B)	
161	4-220-229-02	LEVER (SW)	
162	4-220-239-01	SPRING, TORSION	
163	A-4728-536-A	CD BOARD, COMPLETE	

Ref. No.	Part No.	Description	Remarks
164	A-473-508-2A	MAGNET	
165	4-231-777-02	SHEET (KH2)	
166	4-244-962-01	HOLDER (C213)	
167	4-985-672-01	SCREW (+PTPWH M2.6), FLOATING	
168	4-229-358-01	SHAFT (BU21)	
169	4-227-549-11	INSULATOR	
170	4-244-959-01	SPRING (T213), COMPRESSION	
171	4-231-151-01	STOPPER (BU)	
172	4-218-253-31	SCREW (M2.6), +BTTP	
173	1-757-055-11	WIRE, PARALLEL (FFC) (16 CORE)	
M901	A-4735-337-A	MOTOR (LD) ASSY (TRAY)	
#6	7-685-533-19	SCREW +BTP 2.6X6 TYPE2 N-S	
#7	7-621-255-32	SCREW +P 2X5	

7-5. KSM-213D



Ref. No.	Part No.	Description	Remarks
⚠601	A-4735-357-A	BASE ASSY, OP (KSM-213D)	

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

SECTION 8
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.
- RESISTORS
  All resistors are in ohms.
  METAL: metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F: nonflammable
- CAPACITORS:
  uF: µF
- COILS
  uH: µH
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA...: µA... , uPA... , µPA... ,
  uPB... , µPB... , uPC... , µPC... ,
  uPD..., µPD...
- Abbreviation
  AUS : Australian model
  CND: Canadian model
  E51 : Chilean and Peruvian models
  HK : Hong Kong model
  KR : Korean model
  SP : Singapore model
  TW : Taiwan model

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

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

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

Ref. No.	Part No.	Description			Remarks
	A-4728-536-A	CD BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C101	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C102	1-107-826-11	CERAMIC CHIP	0.1uF	10.00%	16V
C103	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C104	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C108	1-107-826-11	CERAMIC CHIP	0.1uF	10.00%	16V
C109	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V
C110	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C111	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C112	1-115-156-11	CERAMIC CHIP	1uF		10V
C114	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C116	1-126-382-11	ELECT	100uF	20.00%	16V
C117	1-126-382-11	ELECT	100uF	20.00%	16V
C118	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C121	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C122	1-126-933-11	ELECT	100uF	20.00%	16V
C123	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C124	1-125-891-11	CERAMIC CHIP	0.47uF	10.00%	10V
C125	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C126	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C127	1-126-382-11	ELECT	100uF	20.00%	16V
C130	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C131	1-126-933-11	ELECT	100uF	20.00%	16V
C133	1-162-921-11	CERAMIC CHIP	33PF	5%	50V
C140	1-115-156-11	CERAMIC CHIP	1uF		10V
C143	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C145	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C146	1-107-826-11	CERAMIC CHIP	0.1uF	10.00%	16V
C153	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C159	1-162-969-11	CERAMIC CHIP	0.0068uF	10%	25V
C162	1-126-382-11	ELECT	100uF	20.00%	16V
C163	1-126-933-11	ELECT	100uF	20.00%	16V
C165	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C167	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C168	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C171	1-115-412-11	CERAMIC CHIP	680PF	5.00%	25V
C172	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C181	1-115-412-11	CERAMIC CHIP	680PF	5.00%	25V
C182	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C183	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C184	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C185	1-125-891-11	CERAMIC CHIP	0.47uF	10.00%	10V

Ref. No.	Part No.	Description			Remarks
C190	1-115-156-11	CERAMIC CHIP	1uF		10V
C191	1-126-933-11	ELECT	100uF	20.00%	16V
C192	1-126-382-11	ELECT	100uF	20.00%	16V
C193	1-126-382-11	ELECT	100uF	20.00%	16V
C194	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C196	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C197	1-107-826-11	CERAMIC CHIP	0.1uF	10.00%	16V
C198	1-126-933-11	ELECT	100uF	20.00%	16V
		< CONNECTOR >			
CN101	1-770-528-31	CONNECTOR, FFC/FPC 21P			
CN102	1-779-466-11	CONNECTOR, FFC (LIF (NON-ZIF)) 16P			
		< DIODE >			
D101	8-719-056-77	DIODE UDZ-TE-17-3.9B			
		< FERRITE BEAD >			
FB101	1-469-144-21	FERRITE	0uH		
FB103	1-469-144-21	FERRITE	0uH		
		< IC >			
IC101	8-752-402-31	IC CXD3017Q			
IC102	8-759-549-28	IC BA5974FP-E2			
IC103	8-752-089-74	IC CXA2581N-T4			
		< JUMPER RESISTOR >			
JR101	1-216-864-11	METAL CHIP	0		
		< TRANSISTOR >			
Q101	8-729-049-31	TRANSISTOR	2SB710A-RTX		
Q102	8-729-920-85	TRANSISTOR	2SD1664-T100-QR		
		< RESISTOR >			
R101	1-216-821-11	METAL CHIP	1K	5%	1/10W
R102	1-216-845-11	METAL CHIP	100K	5%	1/10W
R103	1-216-835-11	METAL CHIP	15K	5%	1/10W
R104	1-216-839-11	METAL CHIP	33K	5%	1/10W
R106	1-216-821-11	METAL CHIP	1K	5%	1/10W
R107	1-216-833-11	METAL CHIP	10K	5%	1/10W
R108	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R109	1-216-857-11	METAL CHIP	1M	5%	1/10W
R111	1-216-846-11	METAL CHIP	120K	5%	1/10W
R114	1-218-745-11	METAL CHIP	160K	5%	1/10W
R116	1-216-797-11	METAL CHIP	10	5%	1/10W

Ref. No.	Part No.	Description			Remarks
R117	1-216-821-11	METAL CHIP	1K	5%	1/10W
R118	1-216-809-11	METAL CHIP	100	5%	1/10W
R119	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R120	1-216-835-11	METAL CHIP	15K	5%	1/10W
R122	1-216-845-11	METAL CHIP	100K	5%	1/10W
R123	1-216-833-11	METAL CHIP	10K	5%	1/10W
R124	1-216-845-11	METAL CHIP	100K	5%	1/10W
R131	1-216-813-11	METAL CHIP	220	5%	1/10W
R143	1-216-836-11	METAL CHIP	18K	5%	1/10W
R144	1-216-836-11	METAL CHIP	18K	5%	1/10W
R147	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R148	1-216-797-11	METAL CHIP	10	5%	1/10W
R149	1-216-797-11	METAL CHIP	10	5%	1/10W
R150	1-216-833-11	METAL CHIP	10K	5%	1/10W
R151	1-216-845-11	METAL CHIP	100K	5%	1/10W
R158	1-216-837-11	METAL CHIP	22K	5%	1/10W
R159	1-216-837-11	METAL CHIP	22K	5%	1/10W
R162	1-216-847-11	METAL CHIP	150K	5%	1/10W
R171	1-216-837-11	METAL CHIP	22K	5%	1/10W
R172	1-216-837-11	METAL CHIP	22K	5%	1/10W
R173	1-216-837-11	METAL CHIP	22K	5%	1/10W
R181	1-216-837-11	METAL CHIP	22K	5%	1/10W
R182	1-216-837-11	METAL CHIP	22K	5%	1/10W
R183	1-216-837-11	METAL CHIP	22K	5%	1/10W
R190	1-216-813-11	METAL CHIP	220	5%	1/10W
R191	1-216-839-11	METAL CHIP	33K	5%	1/10W
R192	1-216-839-11	METAL CHIP	33K	5%	1/10W
R193	1-216-846-11	METAL CHIP	120K	5%	1/10W
R194	1-216-845-11	METAL CHIP	100K	5%	1/10W
R195	1-216-853-11	METAL CHIP	470K	5%	1/10W
R196	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R197	1-216-821-11	METAL CHIP	1K	5%	1/10W
		< NETWORK >			
RN101	1-233-576-11	RES, CHIP NETWORK 100			
		< SWITCH >			
S101	1-771-853-11	SWITCH, DETECTION (LIMIT)			
		< VIBRATOR >			
X101	1-767-226-11	VIBRATOR, CRYSTAL (16.9344)			
**********					
	A-4747-954-A	CONTROL BOARD, COMPLETE (AEP, UK, KR)			
		**********			
	A-4747-960-A	CONTROL BOARD, COMPLETE (US, CND)			
		**********			
	A-4748-774-A	CONTROL BOARD, COMPLETE (E51, HK, SP, TW, AUS)			
		**********			
	4-247-818-01	GUIDE (FL)			
	4-247-819-01	HOLDER, SENSOR			
	4-247-820-01	FILTER, FL			
		< CAPACITOR >			
C604	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C605	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C606	1-126-963-11	ELECT	4.7uF	20.00%	50V

Ref. No.	Part No.	Description			Remarks
C607	1-126-963-11	ELECT	4.7uF	20.00%	50V
C608	1-126-916-11	ELECT	1000uF	20.00%	6.3V
C609	1-127-876-21	CERAMIC	0.01uF	10%	50V
C610	1-115-339-11	CERAMIC CHIP	0.1uF	10.00%	50V
C611	1-124-584-00	ELECT	100uF	20%	10V
C612	1-124-234-00	ELECT	22uF	20%	16V
C613	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C614	1-115-339-11	CERAMIC CHIP	0.1uF	10.00%	50V
C615	1-115-339-11	CERAMIC CHIP	0.1uF	10.00%	50V
C616	1-162-913-11	CERAMIC CHIP	8PF	0.50PF	50V
C617	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C618	1-162-921-11	CERAMIC CHIP	33PF	5%	50V
C619	1-162-913-11	CERAMIC CHIP	8PF	0.50PF	50V
C620	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C621	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C622	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C623	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C624	1-126-947-11	ELECT	47uF	20.00%	25V
C625	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C626	1-162-921-11	CERAMIC CHIP	33PF	5%	50V
C627	1-126-964-11	ELECT	10uF	20.00%	50V
C628	1-115-339-11	CERAMIC CHIP	0.1uF	10.00%	50V
C629	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C630	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C631	1-162-282-31	CERAMIC	100PF	10%	50V
C632	1-162-282-31	CERAMIC	100PF	10%	50V
C633	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C634	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C635	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C636	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C637	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C638	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C639	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C640	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C641	1-126-960-11	ELECT	1uF	20.00%	50V
C642	1-126-963-11	ELECT	4.7uF	20.00%	50V
C643	1-115-339-11	CERAMIC CHIP	0.1uF	10.00%	50V
C644	1-115-339-11	CERAMIC CHIP	0.1uF	10.00%	50V
C645	1-162-282-31	CERAMIC	100PF	10%	50V
C646	1-126-964-11	ELECT	10uF	20.00%	50V
C647	1-115-339-11	CERAMIC CHIP	0.1uF	10.00%	50V
C648	1-115-339-11	CERAMIC CHIP	0.1uF	10.00%	50V
C649	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C650	1-126-933-11	ELECT	100uF	20.00%	16V
C651	1-162-282-31	CERAMIC	100PF	10%	50V
C652	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C653	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
		< CONNECTOR >			
CN601	1-779-294-11	CONNECTOR, FFC (LIF (NON-ZIF)) 26P			
CN602	1-779-550-21	CONNECTOR, FFC (LIF (NON-ZIF)) 13P			
* CN603	1-770-516-31	CONNECTOR, FFC/FPC 8P			
		< DIODE >			
D601	8-719-010-41	DIODE UZ-5.6BSA-TP			
D602	8-719-991-33	DIODE 1SS133T-72			
D603	8-719-991-33	DIODE 1SS133T-77			
D604	8-719-991-33	DIODE 1SS133T-72			

CONTROL

Ref. No.	Part No.	Description			Remarks
D605	8-719-991-33	DIODE 1SS133T-72			
D606	8-719-991-33	DIODE 1SS133T-72			
D607	8-719-991-33	DIODE 1SS133T-72			
D608	8-719-989-91	DIODE 1N4148A-T265			
D609	8-719-989-91	DIODE 1N4148A-T265			
		< FERRITE BEAD >			
FB601	1-412-473-21	INDUCTOR	0uH		
		< FLUORESCENT INDICATOR TUBE >			
FL601	1-518-908-11	INDICATOR TUBE, FLUORESCENT			
		< IC >			
IC601	6-803-170-01	IC LC876764C-51E5			
IC602	6-700-250-01	IC PST3445UL			
IC603	6-701-681-01	IC RPM7140-V4 (R)			
IC604	8-759-598-69	IC BA6956AN			
		< JUMPER RESISTOR >			
JR601	1-216-864-11	METAL CHIP	0	5% 1/16W	
JR602	1-216-864-11	METAL CHIP	0	5% 1/16W	
JR604	1-216-864-11	METAL CHIP	0	5% 1/16W	
JR607	1-216-864-11	METAL CHIP	0	5% 1/16W	
		< COIL >			
L601	1-410-509-11	INDUCTOR	10uH		
L602	1-410-509-11	INDUCTOR	10uH		
		< DIODE >			
LED601	8-719-059-98	DIODE SLR-342VCT31			
		< TRANSISTOR >			
Q601	8-729-230-49	TRANSISTOR	2SC2712L-TE85R		
Q602	6-550-296-01	TRANSISTOR	2SA1980G		
Q603	8-729-230-49	TRANSISTOR	2SC2712L-TE85R		
Q604	8-729-230-49	TRANSISTOR	2SC2712L-TE85R		
Q605	6-550-297-01	TRANSISTOR	2SA1981Y		
Q606	6-550-305-01	TRANSISTOR	2SA1296GR- (TPE2)		
Q607	8-729-900-53	TRANSISTOR	DTC114EK		
Q608	6-550-297-01	TRANSISTOR	2SA1981Y		
		< RESISTOR >			
R601	1-216-828-11	METAL CHIP	3.9K	5% 1/16W	
				(E51, HK, SP, TW, AUS)	
R601	1-216-833-11	METAL CHIP	10K	5% 1/16W	
				(US, CND, AEP, UK, KR)	
R602	1-216-821-11	METAL CHIP	1K	5% 1/16W	
R603	1-216-821-11	METAL CHIP	1K	5% 1/16W	
R604	1-216-821-11	METAL CHIP	1K	5% 1/16W	
R605	1-216-821-11	METAL CHIP	1K	5% 1/16W	
R606	1-216-841-11	METAL CHIP	47K	5% 1/16W	
R607	1-247-807-31	CARBON	100	5% 1/4W	
R608	1-247-807-31	CARBON	100	5% 1/4W	
R609	1-216-809-11	METAL CHIP	100	5% 1/16W	
R610	1-216-809-11	METAL CHIP	100	5% 1/16W	
R611	1-216-809-11	METAL CHIP	100	5% 1/16W	
R612	1-249-429-11	CARBON	10K	5% 1/4W	

Ref. No.	Part No.	Description			Remarks
R613	1-247-831-91	CARBON	1K	5% 1/4W	
R614	1-247-831-91	CARBON	1K	5% 1/4W	
R615	1-247-831-91	CARBON	1K	5% 1/4W	
R616	1-247-831-91	CARBON	1K	5% 1/4W	
R617	1-247-831-91	CARBON	1K	5% 1/4W	
R618	1-247-831-91	CARBON	1K	5% 1/4W	
R619	1-216-845-11	METAL CHIP	100K	5% 1/16W	
R620	1-216-829-11	METAL CHIP	4.7K	5% 1/16W	
R621	1-216-821-11	METAL CHIP	1K	5% 1/16W	
R622	1-216-835-11	METAL CHIP	15K	5% 1/16W	
R623	1-216-817-11	METAL CHIP	470	5% 1/16W	
R624	1-216-833-11	METAL CHIP	10K	5% 1/16W	
R625	1-216-825-11	METAL CHIP	2.2K	5% 1/16W	
R626	1-216-833-11	METAL CHIP	10K	5% 1/16W	
R627	1-216-825-11	METAL CHIP	2.2K	5% 1/16W	
R629	1-249-436-11	CARBON	39K	5% 1/4W	
R631	1-216-837-11	METAL CHIP	22K	5% 1/16W	
				(E51, HK, SP, TW, AUS)	
R632	1-216-845-11	METAL CHIP	100K	5% 1/16W	
R633	1-216-845-11	METAL CHIP	100K	5% 1/16W	
R634	1-216-833-11	METAL CHIP	10K	5% 1/16W	
R635	1-216-845-11	METAL CHIP	100K	5% 1/16W	
R636	1-216-845-11	METAL CHIP	100K	5% 1/16W	
R637	1-216-845-11	METAL CHIP	100K	5% 1/16W	
R638	1-216-845-11	METAL CHIP	100K	5% 1/16W	
R639	1-216-845-11	METAL CHIP	100K	5% 1/16W	
R640	1-216-845-11	METAL CHIP	100K	5% 1/16W	
R641	1-216-845-11	METAL CHIP	100K	5% 1/16W	
R642	1-216-845-11	METAL CHIP	100K	5% 1/16W	
R643	1-216-845-11	METAL CHIP	100K	5% 1/16W	
R644	1-216-845-11	METAL CHIP	100K	5% 1/16W	
R645	1-216-845-11	METAL CHIP	100K	5% 1/16W	
R646	1-216-845-11	METAL CHIP	100K	5% 1/16W	
R647	1-216-845-11	METAL CHIP	100K	5% 1/16W	
R648	1-216-845-11	METAL CHIP	100K	5% 1/16W	
R649	1-216-845-11	METAL CHIP	100K	5% 1/16W	
R650	1-216-845-11	METAL CHIP	100K	5% 1/16W	
R651	1-216-845-11	METAL CHIP	100K	5% 1/16W	
R652	1-216-845-11	METAL CHIP	100K	5% 1/16W	
R653	1-216-845-11	METAL CHIP	100K	5% 1/16W	
R654	1-216-845-11	METAL CHIP	100K	5% 1/16W	
R655	1-216-845-11	METAL CHIP	100K	5% 1/16W	
R656	1-216-845-11	METAL CHIP	100K	5% 1/16W	
R657	1-216-845-11	METAL CHIP	100K	5% 1/16W	
R658	1-216-845-11	METAL CHIP	100K	5% 1/16W	
R659	1-216-835-11	METAL CHIP	15K	5% 1/16W	
R660	1-216-845-11	METAL CHIP	100K	5% 1/16W	
R661	1-216-845-11	METAL CHIP	100K	5% 1/16W	
R662	1-216-841-11	METAL CHIP	47K	5% 1/16W	
R663	1-216-841-11	METAL CHIP	47K	5% 1/16W	
R664	1-247-887-00	CARBON	220K	5% 1/4W	
R665	1-216-841-11	METAL CHIP	47K	5% 1/16W	
R666	1-216-821-11	METAL CHIP	1K	5% 1/16W	
R667	1-216-853-11	METAL CHIP	470K	5% 1/16W	
R668	1-216-809-11	METAL CHIP	100	5% 1/16W	
R669	1-216-829-11	METAL CHIP	4.7K	5% 1/16W	
R670	1-216-833-11	METAL CHIP	10K	5% 1/16W	
R671	1-216-841-11	METAL CHIP	47K	5% 1/16W	

CONTROL | HEADPHONE | LOADING

Ref. No.	Part No.	Description			Remarks
R672	1-216-841-11	METAL CHIP	47K	5%	1/16W
R673	1-216-298-00	METAL CHIP	2.2	5%	1/10W
R674	1-216-833-11	METAL CHIP	10K	5%	1/16W
R675	1-216-837-11	METAL CHIP	22K	5%	1/16W
R676	1-216-837-11	METAL CHIP	22K	5%	1/16W
R677	1-216-839-11	METAL CHIP	33K	5%	1/16W
R678	1-216-837-11	METAL CHIP	22K	5%	1/16W
R679	1-218-179-11	RES-CHIP	10M	5%	1/10W
R680	1-247-831-91	CARBON	1K	5%	1/4W
R681	1-216-821-11	METAL CHIP	1K	5%	1/16W
R682	1-249-410-11	CARBON	270	5%	1/4W F
R683	1-216-845-11	METAL CHIP	100K	5%	1/16W
R684	1-249-426-11	CARBON	5.6K	5%	1/4W
R685	1-216-845-11	METAL CHIP	100K	5%	1/16W
R686	1-218-817-11	RES-CHIP	3.3	10%	1/2W
R687	1-249-426-11	CARBON	5.6K	5%	1/4W
R688	1-249-429-11	CARBON	10K	5%	1/4W
R689	1-216-809-11	METAL CHIP	100	5%	1/16W
R690	1-216-809-11	METAL CHIP	100	5%	1/16W
R691	1-247-807-31	CARBON	100	5%	1/4W
R692	1-216-809-11	METAL CHIP	100	5%	1/16W
R693	1-216-809-11	METAL CHIP	100	5%	1/16W
R694	1-216-809-11	METAL CHIP	100	5%	1/16W
R695	1-216-809-11	METAL CHIP	100	5%	1/16W
R696	1-216-809-11	METAL CHIP	100	5%	1/16W
R697	1-247-807-31	CARBON	100	5%	1/4W
R698	1-247-807-31	CARBON	100	5%	1/4W
R699	1-247-807-31	CARBON	100	5%	1/4W
R700	1-216-837-11	METAL CHIP	22K	5%	1/16W
			(E51, HK, SP, TW, AUS)		
R700	1-216-295-91	SHORT CHIP	0 (US, CND, AEP, UK, KR)		
R701	1-216-833-11	METAL CHIP	10K	5%	1/16W
			(US, CND, AEP, UK, KR)		
R702	1-216-837-11	METAL CHIP	22K	5%	1/16W
			(E51, HK, SP, TW, AUS)		
R702	1-247-831-91	CARBON	1K	5%	1/4W
			(US, CND, AEP, UK, KR)		
R703	1-249-425-11	CARBON	4.7K	5%	1/4W F
R704	1-249-425-11	CARBON	4.7K	5%	1/4W F
R705	1-216-845-11	METAL CHIP	100K	5%	1/16W
R706	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R707	1-249-430-11	CARBON	12K	5%	1/4W
R708	1-216-840-11	METAL CHIP	39K	5%	1/16W
R709	1-216-833-11	METAL CHIP	10K	5%	1/16W
R710	1-247-831-91	CARBON	1K	5%	1/4W
R711	1-218-833-11	METAL CHIP	270	0.5%	1/10W
R712	1-247-831-91	CARBON	1K	5%	1/4W
R713	1-249-419-11	CARBON	1.5K	5%	1/4W F
R714	1-216-824-11	METAL CHIP	1.8K	5%	1/16W
R715	1-249-422-11	CARBON	2.7K	5%	1/4W F
R716	1-216-828-11	METAL CHIP	3.9K	5%	1/16W
R717	1-249-427-11	CARBON	6.8K	5%	1/4W F
R718	1-249-430-11	CARBON	12K	5%	1/4W
R719	1-249-419-11	CARBON	1.5K	5%	1/4W F
R720	1-216-824-11	METAL CHIP	1.8K	5%	1/16W
R721	1-249-422-11	CARBON	2.7K	5%	1/4W F
R722	1-216-828-11	METAL CHIP	3.9K	5%	1/16W
R723	1-247-831-91	CARBON	1K	5%	1/4W
R724	1-249-426-11	CARBON	5.6K	5%	1/4W

Ref. No.	Part No.	Description			Remarks
R725	1-216-845-11	METAL CHIP	100K	5%	1/16W
R726	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R727	1-216-845-11	METAL CHIP	100K	5%	1/16W
R728	1-216-845-11	METAL CHIP	100K	5%	1/16W
R729	1-247-831-91	CARBON	1K	5%	1/4W
R734	1-216-838-11	METAL CHIP	27K	5%	1/16W
R735	1-247-879-91	CARBON	100K	5%	1/4W
R736	1-247-879-91	CARBON	100K	5%	1/4W
		< SWITCH >			
S601	1-786-050-21	SWITCH, KEY BOARD (TUNER/BAND)			
S602	1-786-050-21	SWITCH, KEY BOARD (◀▶ TAPE)			
S603	1-786-050-21	SWITCH, KEY BOARD (MD)			
S604	1-786-050-21	SWITCH, KEY BOARD (⏏)			
S605	1-786-050-21	SWITCH, KEY BOARD (■)			
S606	1-786-050-21	SWITCH, KEY BOARD (+ ▶▶▶▶I)			
S607	1-786-050-21	SWITCH, KEY BOARD (I◀◀ ◀◀ –)			
S608	1-786-050-21	SWITCH, KEY BOARD (I/⏻)			
S609	1-786-050-21	SWITCH, KEY BOARD (DISPLAY)			
S610	1-786-050-21	SWITCH, KEY BOARD (PLAY MODE/TUNING MODE)			
S611	1-786-050-21	SWITCH, KEY BOARD (CD SYNC)			
S612	1-786-050-21	SWITCH, KEY BOARD (● REC PAUSE/START)			
S613	1-786-050-21	SWITCH, KEY BOARD (CD ▶II)			
S614	1-786-050-21	SWITCH, KEY BOARD (DSG)			
S615	1-786-050-21	SWITCH, KEY BOARD (VOL+)			
S616	1-786-050-21	SWITCH, KEY BOARD (VOL-)			
		< VIBRATOR >			
X601	9-300-001-87	VIB, XTAL 32.768KHZ CFS-308 CT 32.768KHz			
X602	1-795-880-11	VIBRATOR, CERAMIC 8.64MHz			
**********					
	1-689-576-11	HEADPHONE BOARD			
		**********			
		< JACK >			
J202	1-816-219-11	JACK, HEADPHONE (PHONES)			
		< COIL >			
L205	1-408-117-00	INDUCTOR	10uH		
		< RESISTOR >			
R201	1-249-409-11	CARBON	220	5%	1/4W F
R202	1-249-412-11	CARBON	390	5%	1/4W F
R203	1-249-409-11	CARBON	220	5%	1/4W F
R204	1-249-412-11	CARBON	390	5%	1/4W F
**********					
	1-674-336-12	LOADING BOARD			
		**********			
		< CONNECTOR >			
* CN151	1-568-943-11	PIN, CONNECTOR 5P			
		< SWITCH >			
S1	1-786-203-11	SWITCH, LEVER (SLIDE)(OPEN/CLOSE)			
**********					

MAIN

Ref. No.	Part No.	Description			Remarks
	A-4747-957-A	MAIN BOARD, COMPLETE (AEP, UK, KR)			
		**********			
	A-4747-962-A	MAIN BOARD, COMPLETE (US, CND)			
		**********			
	A-4748-777-A	MAIN BOARD, COMPLETE			
					(E51, HK, SP, TW, AUS)
		**********			
		< CAPACITOR >			
C205	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C206	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C207	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C208	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C219	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C220	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C231	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C301	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C302	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C305	1-106-361-00	MYLAR	0.0056uF	5.00%	100V
C306	1-126-923-91	ELECT	220uF	20.00%	10V
C307	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C308	1-162-979-11	CERAMIC CHIP	0.0027uF	10.00%	50V
C309	1-162-979-11	CERAMIC CHIP	0.0027uF	10.00%	50V
C310	1-162-979-11	CERAMIC CHIP	0.0027uF	10.00%	50V
C311	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C312	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C313	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
					(AEP, UK, KR)
C314	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C315	1-124-589-11	ELECT	47uF	20%	16V
C316	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C317	1-126-923-91	ELECT	220uF	20.00%	10V
C318	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C319	1-126-947-11	ELECT	47uF	20.00%	16V
C320	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C321	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C322	1-126-961-11	ELECT	2.2uF	20.00%	50V
C323	1-126-961-11	ELECT	2.2uF	20.00%	50V
C324	1-164-315-11	CERAMIC CHIP	470PF	5.00%	50V
C325	1-162-969-11	CERAMIC CHIP	0.0068uF	10%	25V
C326	1-162-969-11	CERAMIC CHIP	0.0068uF	10%	25V
C327	1-164-315-11	CERAMIC CHIP	470PF	5.00%	50V
C328	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C329	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C330	1-126-947-11	ELECT	47uF	20.00%	25V
C331	1-126-947-11	ELECT	47uF	20.00%	25V
C332	1-164-733-11	CERAMIC CHIP	820PF	10.00%	50V
C333	1-126-933-11	ELECT	100uF	20.00%	16V
C334	1-164-733-11	CERAMIC CHIP	820PF	10.00%	50V
C335	1-164-230-11	CERAMIC CHIP	220PF	5.00%	50V
C338	1-126-160-11	ELECT	1uF	20%	50V
C339	1-126-160-11	ELECT	1uF	20%	50V
C341	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C344	1-126-947-11	ELECT	47uF	20.00%	25V
C345	1-104-658-91	ELECT	100uF	20.00%	10V
					(AEP, UK, KR)
C346	1-162-199-31	CERAMIC	10PF	5%	50V
C351	1-126-963-11	ELECT	4.7uF	20.00%	50V
C352	1-126-956-91	ELECT	0.1uF	20.00%	50V

Ref. No.	Part No.	Description			Remarks
C353	1-126-956-91	ELECT	0.1uF	20.00%	50V
C354	1-124-464-11	ELECT	0.22uF	20%	50V
C355	1-124-464-11	ELECT	0.22uF	20%	50V
C356	1-124-464-11	ELECT	0.22uF	20%	50V
C357	1-126-957-11	ELECT	0.22uF	20.00%	50V
C358	1-126-963-11	ELECT	4.7uF	20.00%	50V
C359	1-164-315-11	CERAMIC CHIP	470PF	5.00%	50V
C360	1-162-977-11	CERAMIC CHIP	0.0018uF	10.00%	50V
C361	1-162-977-11	CERAMIC CHIP	0.0018uF	10.00%	50V
C362	1-164-315-11	CERAMIC CHIP	470PF	5.00%	50V
C363	1-164-218-11	CERAMIC CHIP	180PF	0.25PF	50V
C364	1-164-218-11	CERAMIC CHIP	180PF	0.25PF	50V
C367	1-164-315-11	CERAMIC CHIP	470PF	5.00%	50V
C368	1-164-315-11	CERAMIC CHIP	470PF	5.00%	50V
C384	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C385	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C387	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C390	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C392	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C396	1-128-801-21	CERAMIC	22PF	5%	50V
C397	1-164-733-11	CERAMIC CHIP	820PF	10.00%	50V
C398	1-164-733-11	CERAMIC CHIP	820PF	10.00%	50V
C401	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C402	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C403	1-115-339-11	CERAMIC CHIP	0.1uF	10.00%	50V
C404	1-115-339-11	CERAMIC CHIP	0.1uF	10.00%	50V
C405	1-137-420-11	FILM	0.047uF	5.00%	100V
C406	1-137-420-11	FILM	0.047uF	5.00%	100V
C407	1-119-940-51	ELECT	4700uF	20.00%	50V
C408	1-119-940-51	ELECT	4700uF	20.00%	50V
C409	1-128-548-11	ELECT	4700uF	20.00%	25V
C410	1-128-548-11	ELECT	4700uF	20.00%	25V
C412	1-126-947-11	ELECT	47uF	20.00%	25V
C413	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C414	1-126-947-11	ELECT	47uF	20.00%	25V
C416	1-126-966-11	ELECT	33uF	20.00%	50V
C417	1-126-966-11	ELECT	33uF	20.00%	50V
C418	1-126-968-11	ELECT	100uF	20.00%	50V
C419	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C420	1-124-261-00	ELECT	10uF	20%	50V
C421	1-126-967-11	ELECT	47uF	20.00%	50V
C422	1-126-967-11	ELECT	47uF	20.00%	50V
C424	1-124-584-00	ELECT	100uF	20%	10V
C427	1-164-315-11	CERAMIC CHIP	470PF	5.00%	50V
C428	1-164-733-11	CERAMIC CHIP	820PF	10.00%	50V
C431	1-164-733-11	CERAMIC CHIP	820PF	10.00%	50V
C432	1-124-589-11	ELECT	47uF	20%	16V
C433	1-124-584-00	ELECT	100uF	20%	10V
C434	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C435	1-124-589-11	ELECT	47uF	20%	16V
C436	1-126-967-11	ELECT	47uF	20.00%	50V
C437	1-126-967-11	ELECT	47uF	20.00%	50V
C438	1-164-315-11	CERAMIC CHIP	470PF	5.00%	50V
C439	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C440	1-130-321-11	FILM	0.1uF	5.00%	100V
C441	1-130-321-11	FILM	0.1uF	5.00%	100V
C501	1-126-966-11	ELECT	33uF	20.00%	16V

Ref. No.	Part No.	Description			Remarks
C502	1-162-192-31	CERAMIC	2.7PF	10.00%	50V
C503	1-162-192-31	CERAMIC	2.7PF	10.00%	50V
C504	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C505	1-113-342-11	CERAMIC	0.1uF		50V
C506	1-163-021-91	CERAMIC CHIP	0.01uF	10.00%	50V
C507	1-126-157-11	ELECT	10uF	20%	16V
C508	1-126-157-11	ELECT	10uF	20%	16V
C509	1-126-968-11	ELECT	100uF	20.00%	50V
C510	1-126-961-11	ELECT	2.2uF	20.00%	50V
C511	1-126-961-11	ELECT	2.2uF	20.00%	50V
C512	1-128-817-21	CERAMIC	470PF	5%	50V
C513	1-128-817-21	CERAMIC	470PF	5%	50V
C514	1-136-230-00	FILM	0.0022uF	5.00%	100V
C515	1-136-230-00	FILM	0.0022uF	5.00%	100V
C516	1-126-947-11	ELECT	47uF	20.00%	25V
C517	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C518	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C519	1-126-962-11	ELECT	3.3uF	20.00%	50V
C520	1-126-967-11	ELECT	47uF	20.00%	50V
		< CONNECTOR >			
* CN201	1-564-520-11	PLUG, CONNECTOR 5P			
* CN301	1-564-709-11	PIN, CONNECTOR (SMALL TYPE) 7P			
CN302	1-779-294-11	CONNECTOR, FFC (LIF (NON-ZIF)) 26P			
CN303	1-779-281-11	CONNECTOR, FFC (LIF (NON-ZIF)) 13P			
CN304	1-784-776-11	CONNECTOR, FFC 15P			
CN305	1-568-838-11	CONNECTOR, FFC 21P			
		< DIODE >			
D301	8-719-991-33	DIODE 1SS133T-72			
D302	8-719-010-32	DIODE UZ-4.7BSA-TP			
D303	8-719-923-38	DIODE UZ-5.1BSB-TP (AEP, UK, KR)			
D304	8-719-010-32	DIODE UZ-4.7BSA-TP			
D402	6-500-382-01	DIODE RL203GW-TA			
D403	6-500-382-01	DIODE RL203GW-TA			
D404	6-500-378-01	DIODE 1N5402GW (F20)			
D405	6-500-378-01	DIODE 1N5402GW (F20)			
D406	6-500-378-01	DIODE 1N5402GW (F20)			
D407	6-500-378-01	DIODE 1N5402GW (F20)			
D408	6-500-376-01	DIODE 1N4003LES			
D409	6-500-376-01	DIODE 1N4003LES			
D410	6-500-376-01	DIODE 1N4003LES			
D411	8-719-983-35	DIODE MTZJ-T-77-33D			
D412	6-500-376-01	DIODE 1N4003LES			
D413	6-500-382-01	DIODE RL203GW-TA			
D414	8-719-991-33	DIODE 1SS133T-72			
D415	8-719-110-09	DIODE MTZJ-T-72-8.2C			
D416	6-500-335-01	DIODE MC2836			
D417	6-500-382-01	DIODE RL203GW-TA			
D418	8-719-923-38	DIODE UZ-5.1BSB-TP			
D419	8-719-991-33	DIODE 1SS133T-72			
D420	8-719-991-33	DIODE 1SS133T-72			
D421	8-719-109-89	DIODE MTZJ-T-72-5.6B			
D422	8-719-921-63	DIODE MTZJ-T-77-7.5B			
D423	6-500-382-01	DIODE RL203GW-TA			
D425	8-719-110-09	DIODE MTZJ-T-77-8.2C			
D427	6-500-382-01	DIODE RL203GW-TA			
D428	8-719-991-33	DIODE 1SS133T-72			

Ref. No.	Part No.	Description			Remarks
D429	8-719-991-33	DIODE 1SS133T-72			
D430	8-719-048-55	DIODE UZ-10BSC-TP			
D431	6-500-335-01	DIODE MC2838			
D432	6-500-334-01	DIODE MC2836			
D433	8-719-991-33	DIODE 1SS133T-72			
D434	8-719-110-09	DIODE MTZJ-T-77-8.2C			
D435	8-719-991-33	DIODE 1SS133T-72			
D501	8-719-991-33	DIODE 1SS133T-72			
		< FERRITE BEAD >			
FB202	1-410-396-41	FERRITE	0.45uH		
FB203	1-410-396-41	FERRITE	0.45uH		
FB301	1-410-396-41	FERRITE	0.45uH		
FB302	1-410-396-41	FERRITE	0.45uH		
FB303	1-410-396-41	FERRITE	0.45uH		
FB304	1-410-396-41	FERRITE	0.45uH		
		< IC >			
IC201	6-703-084-01	IC STK403-030 (AEP, UK, KR)			
IC201	6-704-106-01	IC STK403-040 (EXCEPT AEP, UK, KR)			
IC301	6-702-895-01	IC BD3881FV			
		< JACK >			
J201	1-793-478-11	JACK, PIN 2P (MD)			
J203	1-537-240-31	TERMINAL BOARD (CHECKER PIN)(SPEAKERS)			
J204	1-774-785-21	JACK, PIN 1P (SUBWOOFER)			
		< JUMPER RESISTOR >			
JR301	1-216-295-91	SHORT CHIP	0		
		< COIL >			
L201	1-456-107-11	COIL, AIR-CORE			
L202	1-456-107-11	COIL, AIR-CORE			
L203	1-408-117-00	INDUCTOR	10uH		
L204	1-408-117-00	INDUCTOR	10uH		
L301	1-456-094-11	TRANSFORMER, BIAS OSCILLATION			
L302	1-408-032-31	INDUCTOR	36uH		
		< CABLE HOLDER >			
PN401	1-784-584-11	HOLDER, CABLE (2.5mm PITCH)			
		< RESISTOR >			
PR501	1-220-890-11	METAL	0.22	10%	3W
		< TRANSISTOR >			
Q301	6-550-333-01	TRANSISTOR	2SC5343GL		
Q302	6-550-333-01	TRANSISTOR	2SC5343GL		
Q303	6-550-333-01	TRANSISTOR	2SC5343GL		
Q304	8-729-120-28	TRANSISTOR	2SC3052F-T1-LF		
Q305	8-729-045-62	TRANSISTOR	2SK2158-T2B		
Q306	8-729-028-83	TRANSISTOR	DTA124EUA-T106		
Q307	8-729-045-62	TRANSISTOR	2SK2158-T2B		
Q308	8-729-045-62	TRANSISTOR	2SK2158-T2B		
Q309	8-729-216-22	TRANSISTOR	2SA1162-G		
Q310	8-729-216-22	TRANSISTOR	2SA1162-G		

Ref. No.	Part No.	Description		Remarks
Q311	8-729-028-83	TRANSISTOR	DTA124EUA-T106	
Q312	1-801-806-11	TRANSISTOR	DTC144EK	
Q313	1-801-806-11	TRANSISTOR	DTC144EK	
Q314	8-729-120-28	TRANSISTOR	2SC3052F-T1-LF	
Q315	8-729-120-28	TRANSISTOR	2SC3052F-T1-LF	
Q316	6-550-296-01	TRANSISTOR	2SA1980G	
Q401	8-729-230-49	TRANSISTOR	2SC2712L-TE85R	
Q402	8-729-024-93	TRANSISTOR	2SB1370-E	
Q403	6-550-333-01	TRANSISTOR	2SC5343GL	
Q404	6-550-293-01	TRANSISTOR	2SK2937	
Q405	8-729-230-49	TRANSISTOR	2SC2712L-TE85R	
Q406	8-729-120-28	TRANSISTOR	2SC3052F-T1-LF	
Q407	6-550-296-01	TRANSISTOR	2SA1980G	
Q408	6-550-293-01	TRANSISTOR	2SK2937	
Q409	6-550-289-01	TRANSISTOR	2SA1235F	
Q410	8-729-120-28	TRANSISTOR	2SC3052F-T1-LF	
Q411	6-550-289-01	TRANSISTOR	2SA1235F	
Q415	8-729-900-53	TRANSISTOR	DTC114EK	
Q416	8-729-024-93	TRANSISTOR	2SB1370-E	
Q417	6-550-333-01	TRANSISTOR	2SC5343GL	
Q418	6-550-333-01	TRANSISTOR	2SC5343GL	
Q419	6-550-344-01	TRANSISTOR	2SC3266GR	
Q501	6-550-640-01	TRANSISTOR	KTA1267	
Q502	8-729-016-42	TRANSISTOR	KTC3199GR-TP	
Q503	8-729-230-49	TRANSISTOR	2SC2712G-TE85R	
Q504	8-729-230-49	TRANSISTOR	2SC2712G-TE85R	
Q505	8-729-230-49	TRANSISTOR	2SC2712G-TE85R	
Q506	8-729-216-22	TRANSISTOR	2SA1162G-TE85R	
Q507	8-729-230-49	TRANSISTOR	2SC2712G-TE85R	
Q508	8-729-230-49	TRANSISTOR	2SC2712G-TE85R	
Q509	8-729-230-49	TRANSISTOR	2SC2712G-TE85R	
Q510	8-729-216-22	TRANSISTOR	2SA1162G-TE85R	

< RESISTOR >

R205	1-249-389-11	CARBON	4.7	5%	1/4W F
R206	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R207	1-249-389-11	CARBON	4.7	5%	1/4W F
R208	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R209	1-216-847-11	METAL CHIP	150K	5%	1/16W
R210	1-216-847-11	METAL CHIP	150K	5%	1/16W
R212	1-216-832-11	METAL CHIP	8.2K	5%	1/16W
R213	1-216-821-11	METAL CHIP	1K	5%	1/16W
R214	1-216-821-11	METAL CHIP	1K	5%	1/16W
R215	1-216-833-11	METAL CHIP	10K	5%	1/16W
R216	1-216-833-11	METAL CHIP	10K	5%	1/16W
R217	1-249-393-11	CARBON	10	5%	1/4W F
R218	1-249-393-11	CARBON	10	5%	1/4W F
R301	1-216-842-11	METAL CHIP	56K	5%	1/16W
R302	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R303	1-216-840-11	METAL CHIP	39K	5%	1/16W
R304	1-247-847-91	CARBON	4.7K	5%	1/4W
R305	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R306	1-216-836-11	METAL CHIP	18K	5%	1/16W
R307	1-216-836-11	METAL CHIP	18K	5%	1/16W
R308	1-249-392-11	CARBON	8.2	5%	1/4W F
R309	1-216-828-11	METAL CHIP	3.9K	5%	1/16W
R310	1-216-835-11	METAL CHIP	15K	5%	1/16W
R311	1-216-828-11	METAL CHIP	3.9K	5%	1/16W
R312	1-247-847-91	CARBON	4.7K	5%	1/4W
R313	1-216-813-11	METAL CHIP	220	5%	1/16W (AEP, UK, KR)
R314	1-216-813-11	METAL CHIP	220	5%	1/16W (AEP, UK, KR)
R315	1-216-828-11	METAL CHIP	3.9K	5%	1/16W
R316	1-216-857-11	METAL CHIP	1M	5%	1/16W
R317	1-216-840-11	METAL CHIP	39K	5%	1/16W
R318	1-216-817-11	METAL CHIP	470	5%	1/16W
R321	1-216-809-11	METAL CHIP	100	5%	1/16W
R322	1-216-809-11	METAL CHIP	100	5%	1/16W
R323	1-216-852-11	METAL CHIP	390K	5%	1/16W
R324	1-216-822-11	METAL CHIP	1.2K	5%	1/16W
R325	1-216-836-11	METAL CHIP	18K	5%	1/16W
R326	1-216-836-11	METAL CHIP	18K	5%	1/16W
R327	1-216-822-11	METAL CHIP	1.2K	5%	1/16W
R328	1-216-852-11	METAL CHIP	390K	5%	1/16W
R329	1-216-835-11	METAL CHIP	15K	5%	1/16W
R330	1-216-833-11	METAL CHIP	10K	5%	1/16W
R331	1-216-864-11	METAL CHIP	0	5%	1/16W
R332	1-216-833-11	METAL CHIP	10K	5%	1/16W
R333	1-247-847-91	CARBON	4.7K	5%	1/4W
R334	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R336	1-249-409-11	CARBON	220	5%	1/4W F
R337	1-249-413-11	CARBON	470	5%	1/4W F
R338	1-249-413-11	CARBON	470	5%	1/4W F
R339	1-247-807-31	CARBON	100	5%	1/4W
R340	1-216-826-11	METAL CHIP	2.7K	5%	1/16W
R341	1-216-830-11	METAL CHIP	5.6K	5%	1/16W
R342	1-216-833-11	METAL CHIP	10K	5%	1/16W
R343	1-216-826-11	METAL CHIP	2.7K	5%	1/16W
R344	1-216-833-11	METAL CHIP	10K	5%	1/16W
R345	1-216-843-11	METAL CHIP	68K	5%	1/16W
R346	1-216-827-11	METAL CHIP	3.3K	5%	1/16W
R347	1-216-843-11	METAL CHIP	68K	5%	1/16W
R348	1-216-827-11	METAL CHIP	3.3K	5%	1/16W
R349	1-249-429-11	CARBON	10K	5%	1/4W
R350	1-216-822-11	METAL CHIP	1.2K	5%	1/16W
R351	1-216-822-11	METAL CHIP	1.2K	5%	1/16W
R352	1-249-429-11	CARBON	10K	5%	1/4W
R353	1-216-827-11	METAL CHIP	3.3K	5%	1/16W
R354	1-216-837-11	METAL CHIP	22K	5%	1/16W
R355	1-216-827-11	METAL CHIP	3.3K	5%	1/16W
R356	1-216-837-11	METAL CHIP	22K	5%	1/16W
R357	1-216-826-11	METAL CHIP	2.7K	5%	1/16W
R358	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R359	1-216-826-11	METAL CHIP	2.7K	5%	1/16W
R360	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R361	1-216-820-11	METAL CHIP	820	5%	1/16W
R362	1-216-833-11	METAL CHIP	10K	5%	1/16W
R363	1-216-821-11	METAL CHIP	1K	5%	1/16W
R364	1-216-821-11	METAL CHIP	1K	5%	1/16W
R365	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R366	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R367	1-216-824-11	METAL CHIP	1.8K	5%	1/16W
R368	1-216-833-11	METAL CHIP	10K	5%	1/16W
R369	1-216-821-11	METAL CHIP	1K	5%	1/16W
R370	1-216-836-11	METAL CHIP	18K	5%	1/16W

Ref. No.	Part No.	Description			Remarks
R371	1-216-836-11	METAL CHIP	18K	5%	1/16W
R372	1-216-824-11	METAL CHIP	1.8K	5%	1/16W
R373	1-216-826-11	METAL CHIP	2.7K	5%	1/16W
R374	1-216-826-11	METAL CHIP	2.7K	5%	1/16W
R375	1-216-864-11	METAL CHIP	0	5%	1/16W
R377	1-249-434-11	CARBON	27K	5%	1/4W
R378	1-249-434-11	CARBON	27K	5%	1/4W
R389	1-216-840-11	METAL CHIP	39K	5%	1/16W
R390	1-216-817-11	METAL CHIP	470	5%	1/16W
R391	1-216-789-11	METAL CHIP	2.2	5%	1/16W
R394	1-216-830-11	METAL CHIP	5.6K	5%	1/16W
R395	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R396	1-216-809-11	METAL CHIP	100	5%	1/16W
R397	1-216-830-11	METAL CHIP	5.6K	5%	1/16W
R401	1-249-430-11	CARBON	12K	5%	1/4W
R402	1-216-802-11	METAL CHIP	27	5%	1/10W
R403	1-216-083-00	METAL CHIP	27K	5%	1/10W
R404	1-216-083-00	METAL CHIP	27K	5%	1/10W
R405	1-218-446-11	METAL CHIP	1	5%	1/10W
R406	1-249-381-11	CARBON	1	5%	1/4W F
R407	1-218-446-11	METAL CHIP	1	5%	1/10W
R408	1-249-381-11	CARBON	1	5%	1/4W F
R412	1-216-833-11	METAL CHIP	10K	5%	1/16W
R413	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R414	1-249-413-11	CARBON	470	5%	1/4W F
R415	1-216-844-11	METAL CHIP	82K	5%	1/16W
R416	1-216-807-11	METAL CHIP	68	5%	1/16W
R417	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R419	1-216-833-11	METAL CHIP	10K	5%	1/16W
R421	1-216-833-11	METAL CHIP	10K	5%	1/16W
R422	1-216-813-11	METAL CHIP	220	5%	1/16W
R423	1-216-817-11	METAL CHIP	470	5%	1/16W
R424	1-247-883-00	CARBON	150K	5%	1/4W
R425	1-216-827-11	METAL CHIP	3.3K	5%	1/16W
R427	1-216-833-11	METAL CHIP	10K	5%	1/16W
R428	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R429	1-249-413-11	CARBON	470	5%	1/4W F
R430	1-216-845-11	METAL CHIP	100K	5%	1/16W
R431	1-216-797-11	METAL CHIP	10	5%	1/16W
R432	1-247-847-91	CARBON	4.7K	5%	1/4W
R433	1-216-817-11	METAL CHIP	470	5%	1/16W
R434	1-249-422-11	CARBON	2.7K	5%	1/4W F
R435	1-249-422-11	CARBON	2.7K	5%	1/4W F
R436	1-216-797-11	METAL CHIP	10	5%	1/16W
R437	1-216-861-11	METAL CHIP	2.2M	5%	1/16W
R438	1-216-049-11	RES-CHIP	1K	5%	1/10W
R439	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R440	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R441	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R442	1-216-049-11	RES-CHIP	1K	5%	1/10W
R444	1-216-827-11	METAL CHIP	3.3K	5%	1/16W
R445	1-216-073-91	RES-CHIP	10K	5%	1/10W
R447	1-216-218-91	RES-CHIP	6.8K	5%	1/8W
R449	1-216-218-91	RES-CHIP	6.8K	5%	1/8W
R450	1-216-833-11	METAL CHIP	10K	5%	1/16W
R451	1-216-833-11	METAL CHIP	10K	5%	1/16W
R452	1-216-841-11	METAL CHIP	47K	5%	1/16W
R453	1-216-841-11	METAL CHIP	47K	5%	1/16W
R454	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R455	1-247-847-91	CARBON	4.7K	5%	1/4W
R456	1-216-817-11	METAL CHIP	470	5%	1/16W
R457	1-216-841-11	METAL CHIP	47K	5%	1/16W
R458	1-216-841-11	METAL CHIP	47K	5%	1/16W
R459	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R460	1-247-847-91	CARBON	4.7K	5%	1/4W
R461	1-216-817-11	METAL CHIP	470	5%	1/16W
R465	1-216-813-11	METAL CHIP	220	5%	1/16W
R466	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R467	1-216-807-11	METAL CHIP	68	5%	1/16W
R468	1-249-429-11	CARBON	10K	5%	1/4W
R469	1-216-817-11	METAL CHIP	470	5%	1/16W
R470	1-247-831-91	CARBON	1K	5%	1/4W
R471	1-216-837-11	METAL CHIP	22K	5%	1/16W
R474	1-216-821-11	METAL CHIP	1K	5%	1/16W
R501	1-247-873-91	CARBON	56K	5%	1/4W
R502	1-247-873-91	CARBON	56K	5%	1/4W
R503	1-249-429-11	CARBON	10K	5%	1/4W
R504	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R505	1-216-837-11	METAL CHIP	22K	5%	1/16W
R506	1-216-833-11	METAL CHIP	10K	5%	1/16W
R507	1-216-833-11	METAL CHIP	10K	5%	1/16W
R508	1-247-879-91	CARBON	100K	5%	1/4W
R509	1-247-879-91	CARBON	100K	5%	1/4W
R510	1-216-848-11	METAL CHIP	180K	5%	1/16W
R512	1-249-430-11	CARBON	12K	5%	1/4W
R513	1-215-863-11	METAL OXIDE	100	5%	1W
R514	1-216-824-11	METAL CHIP	1.8K	5%	1/16W
R515	1-216-824-11	METAL CHIP	1.8K	5%	1/16W
R516	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R518	1-216-841-11	METAL CHIP	47K	5%	1/16W
R519	1-216-857-11	METAL CHIP	1M	5%	1/16W
R520	1-216-833-11	METAL CHIP	10K	5%	1/16W
R521	1-247-831-91	CARBON	1K	5%	1/4W
R522	1-216-842-11	METAL CHIP	56K	5%	1/16W
R523	1-216-842-11	METAL CHIP	56K	5%	1/16W
R524	1-216-821-11	METAL CHIP	1K	5%	1/16W
R525	1-216-821-11	METAL CHIP	1K	5%	1/16W
R526	1-247-871-91	CARBON	47K	5%	1/4W
R527	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R528	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R529	1-216-826-11	METAL CHIP	2.7K	5%	1/16W
R530	1-216-826-11	METAL CHIP	2.7K	5%	1/16W
R531	1-216-833-11	METAL CHIP	10K	5%	1/16W
R532	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R533	1-216-821-11	METAL CHIP	1K	5%	1/16W
R534	1-216-857-11	METAL CHIP	1M	5%	1/16W
R535	1-216-845-11	METAL CHIP	100K	5%	1/16W

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1-689-574-11 TRANSFORMER BOARD

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< CAPACITOR >

C801	1-126-941-11	ELECT	470uF	20.00%	25V

HCD-GP5
Ver 1.5

TRANSFORMER

Ref. No.	Part No.	Description	Remarks
		< CONNECTOR >	
* CN801	1-564-512-11	PLUG, CONNECTOR 9P	
CN802	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P	
		< DIODE >	
D801	8-719-991-33	DIODE 1SS133T-72	
D802	8-719-991-33	DIODE 1SS133T-72	
D803	8-719-991-33	DIODE 1SS133T-72	
D804	8-719-991-33	DIODE 1SS133T-72	
		< COIL >	
⚠L801	1-402-663-11	TRANSFORMER, LINE FILTER (LFT)	
		< TRANSFORMER >	
⚠PT802	1-439-772-11	TRANSFORMER, POWER	(E51, HK, SP, TW, AUS)
⚠PT802	1-439-781-11	TRANSFORMER, POWER (US, CND)	
⚠PT802	1-443-041-11	TRANSFORMER, POWER (AEP, UK, KR)	
		< RESISTOR >	
⚠R803	1-219-776-11	CARBON 2.2M 10% 1/2W	(EXCEPT E51, TW)
		< RELAY >	
⚠RY801	1-755-276-11	RELAY, POWER	
		< SWITCH >	
⚠SW801	1-786-404-11	SELECTOR, VOLTAGE (SWS-2201)(E51)	
**********			
		MISCELLANEOUS	
		**********	
2	1-827-731-11	WIRE (FLAT TYPE)(11 CORE)(EXCEPT AEP,UK)	
2	1-828-984-11	WIRE (FLAT TYPE)(15 CORE)(AEP,UK)	
3	1-693-619-11	TUNER (FM/AM)(AEP, UK, KR)	
3	1-693-620-11	TUNER (FM/AM)(AUS, E51, HK, SP, TW)	
3	1-693-624-11	TUNER (FM/AM)(US, CND)	
⚠5	1-555-795-00	CORD, POWER (EXCEPT US, CND, TW, KR)	
⚠5	1-769-079-22	CORD, POWER (KR)	
⚠5	1-783-532-11	CORD, POWER (US, CND, TW)	
6	1-827-714-11	WIRE (FLAT TYPE)(21 CORE)	
72	1-829-747-11	WIRE (FLAT TYPE)(26 CORE)	
73	1-796-351-51	MECHANISM, SINGLE CASSETTE	
173	1-757-055-11	WIRE, PARALLEL (FFC)(16 CORE)	
⚠601	A-4735-357-A	BASE ASSY, OP (KSM-213D)	
⚠PT801	1-443-032-11	TRANSFORMER, POWER (US, CND)	
⚠PT801	1-443-033-11	TRANSFORMER, POWER (AEP, UK)	
⚠PT801	1-443-034-11	TRANSFORMER, POWER (HK, SP, AUS)	
⚠PT801	1-443-036-11	TRANSFORMER, POWER (KR)	
⚠PT801	————	TRANSFORMER, POWER (E51,TW)	

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

MEMO

REVISION HISTORY

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

Ver.	Date	Description of Revision
1.0	2003.06	New
1.1	2003.07	Addition of Singapore, Hong Kong, Chilean, Peruvian and Australian models
1.2	2003.11	Deletion of 3-10. KSS-213D in DISASSEMBLY. Change of Part No. for Ref. No. 601 (KSM-213D) (SPM-03061)
1.3	2004.01	Addition of Korean and Taiwan models
1.4	2004.08	Change of Part No. for PT801 and PT802 (SPM-04075)
1.5	2004.10	Addition of FLAT WIRE for Ref.No. 2, 6 and 72 (SPM-04133)