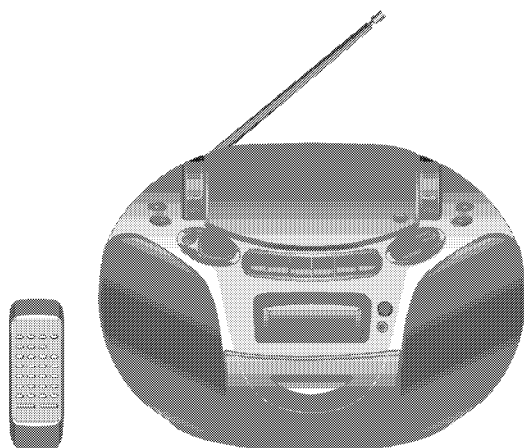


Service Manual

Portable Stereo CD System



RX-DX1E RX-DX1EB RX-DX1EG

Colour

(A) ... Blue Type

(S) ... Silver Type

Tape Deck: RAA4601-Z Mechanism Series

Traverse Deck: RAE0152Z-1C Mechanism Series

n RADIO

Frequency range

FM 87.50-108.0 MHz (50 kHz steps)

AM 522-1629 kHz (9 kHz steps)

n CD PLAYER

Sampling frequency 44.1 kHz

Decoding 16 bit linear

Beam source Semiconductor laser (wavelength 780 nm)

No. of channels 2 channel, stereo

Wow and flutter Below measurable limit

D/A converter 1 bit DAC

n TAPE RECORDER

Track system 4 track, 2 channel, stereo

Monitor system Variable sound monitor

Recording system AC bias

Erasing system Multi Pole magnet

Frequency response

Normal position

50 Hz-12 kHz

n GENERAL

Speakers

Full Range 8cm 4Ω x 2

Jacks

Output PHONES: 3.5mm stereo (32Ω)

Power requirement

AC 230-240 V, 50 Hz

Power consumption 11 W

Battery 9 V (Six R20/LR20, D, UM-1 batteries)

Memory back-up 6 V (Four R6/LR6, AA, UM-3 batteries)

Dimensions (W x H x D) 320 x 164 x 259 mm

Mass 2.8 kg (without batteries)

Notes:

1. Specifications are subject to change without notice.
2. Mass and dimensions are approximate.

Panasonic

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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1 Before Repair and Adjustment

Disconnect AC power, discharge Power Supply Capacitors C321, C317 through a 10 Ω , 5 W resistor to ground. DO NOT SHORT-CIRCUIT DIRECTLY (with a screw driver blade, for instance), as this may destroy solid state devices.

After repairs are completed, restore power gradually using a variac, to avoid over current.

Current consumption at AC 230 V, 240 V, 50 Hz in NO SIGNAL mode should be ~45 mA.

2 Protection Circuitry

The protection circuitry may have operated if either of the following conditions are noticed:

- No sound is heard when the power is turned on.
- Stops during a performance.

The function of this circuitry is to prevent circuitry damage if, for example, the positive and negative speaker connection wires are "shorted", or if speaker systems with an impedance less than the indicated rated impedance of the amplifier are used.

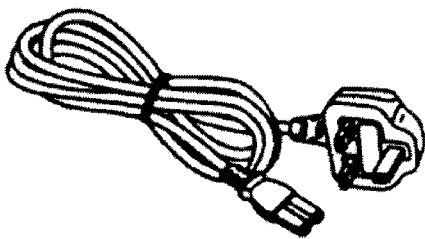
If this occurs, follow the procedure outlines below:

1. Turn off the power.
2. Determine the cause of the problem and correct it.
3. Turn on the power once again after one minute.

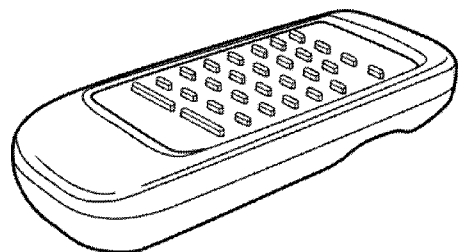
Note:

When the protection circuitry functions, the unit will not operate unless the power is first turned off and then on again.

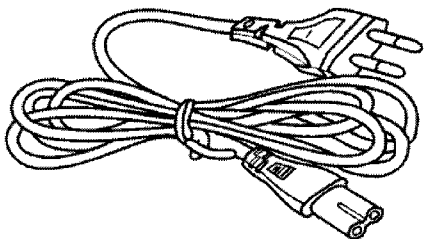
3 Accessories



AC power supply cord (EB).....1pc



Remote control transmitter.....1pc



AC power supply cord (E/EG).....1pc

4 Handling Precautions For Traverse Deck

The laser diode in the traverse deck (optical pickup) may break down due to potential difference caused by static electricity of clothes or human body. So, be careful of electrostatic breakdown during repair of the traverse deck (optical pickup).

• Handling of traverse deck (optical pickup)

1. Do not subject the traverse deck (optical pickup) to static electricity as it is extremely sensitive to electrical shock.
2. To prevent the breakdown of the laser diode, an antistatic shorting pin is inserted into the flexible board (FFC board).
3. Take care not to apply excessive stress to the flexible board (FFC board). When removing or connecting the short pin, finish the job in as short time as possible.
4. Do not turn the variable resistor (laser power adjustment). It has already been adjusted.

• Grounding for electrostatic breakdown prevention

1. Human body grounding

Use the anti-static wrist strap to discharge the static electricity from your body.

2. Work table grounding.

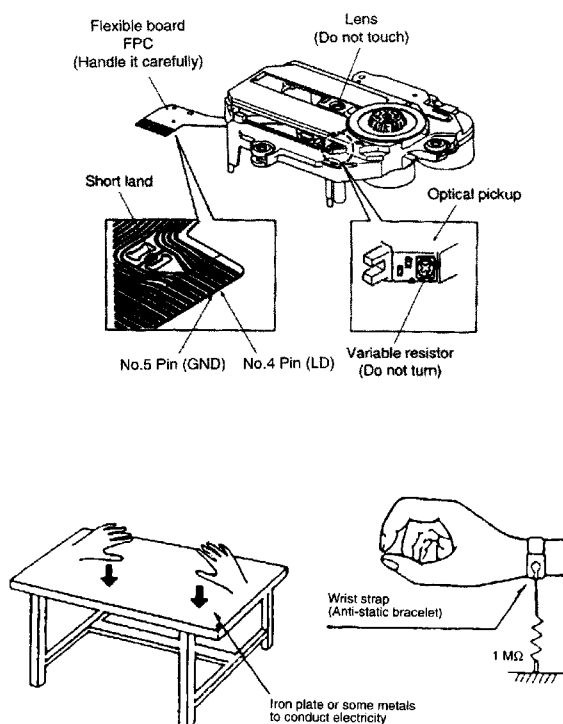
Put a conductive material (sheet) or steel sheet on the area where the traverse deck (optical pickup) is place, and ground the sheet.

Caution:

The static electricity of your clothes will not be grounded through the wrist strap. So, take care not to let your clothes touch the traverse deck (optical pickup).

Caution when replacing the Traverse Deck

The traverse deck has a short point shorted with solder to protect the laser diode against electrostatics breakdown. Be sure to remove the solder from the short point before making connections.



5 Precaution of Laser Diode

Caution:

This unit utilizes a class 1 laser. Invisible laser radiation is emitted from the optical pickup lens. When the unit is turned on:

1. Do not look directly into the pickup lens.
2. Do not use optical instruments to look at the pickup lens.
3. Do not adjust the preset variable resistor on the pickup lens.
4. Do not disassemble the optical pickup unit.
5. If the optical pickup is replaced, use the manufacturer's specified replacement pickup only.
6. Use of control or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

ACHTUNG:

Dieses Produkt enthält eine Lasereinheit. Im eingeschalteten Zustand wird unsichtbare Laserstrahlung von der Lasereinheit abgestrahlt.

Wellenlänge : 780nm

Maximale Strahlungsleistung der Lasereinheit : 100µW/VDE

Die Strahlung an der Lasereinheit ist ungefährlich, wenn folgende Punkte beachtet werden:

1. Die Lasereinheit nicht zerlegen, da die Strahlung an der freigelegten Lasereinheit gefährlich ist.
2. Den werkseitig justierten Einstellregler der Lasereinheit nicht verstellen.
3. Nicht mit optischen Instrumenten in die Fokussierlinse blicken.
4. Nicht über längere Zeit in die Fokussierlinse blicken.

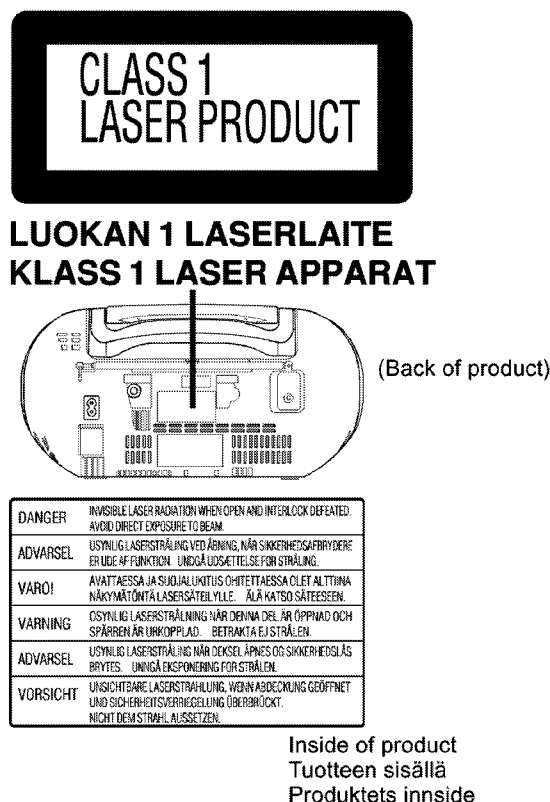
ADVARSEL: I dette a apparat anvendes laser.

CAUTION!

THIS PRODUCT UTILIZES A LASER.

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

n Use of Caution Labels



6 Caution for AC Mains Lead

(For “EB” area code model only.)

For your safety, please read the following text carefully.

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.

A 5-ampere fuse is fitted in this plug.

Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5-ampere and that it is approved by ASTA or BSI to BS1362.

Check for the ASTA mark  or the BSI mark  on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.

If you lose the fuse cover, the plug must not be used until a replacement cover is obtained.

A replacement fuse cover can be purchased from your local dealer.

CAUTION!

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OFF SAFELY.

THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13-AMPERE SOCKET.

If a new plug is to be fitted, please observe the wiring code as shown below.

If in any doubt please consult a qualified electrician.

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

Blue: Neutral
Brown: Live

As these colours may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured Blue must be connected to the terminal which is marked with the letter N or coloured Black or Blue.

The wire which is coloured Brown must be connected to the terminal which is marked with the letter L or coloured Brown or Red.

WARNING: DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL WHICH IS MARKED WITH THE LETTER E, BY THE EARTH SYMBOL  OR COLOURED GREEN OR GREEN/YELLOW.

THIS PLUG IS NOT WATERPROOF—KEEP DRY.

Before use

Remove the connector cover.

How to replace the fuse

The location of the fuse differ according to the type of AC mains plug (figures A and B). Confirm the AC mains plug fitted and follow the instructions below.

Illustrations may differ from actual AC mains plug.

1. Open the fuse cover with a screwdriver.

Figure A

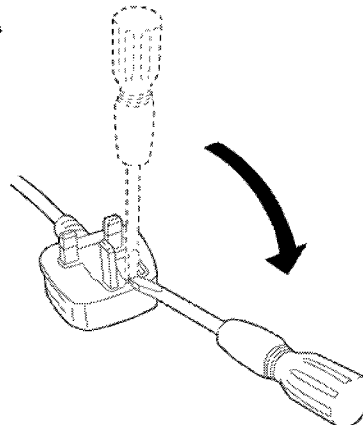
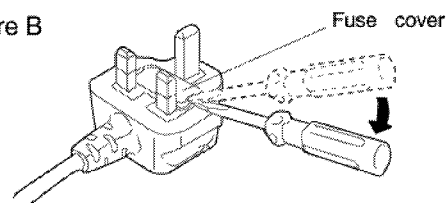


Figure B



2. Replace the fuse and close or attach the fuse cover.

Figure A

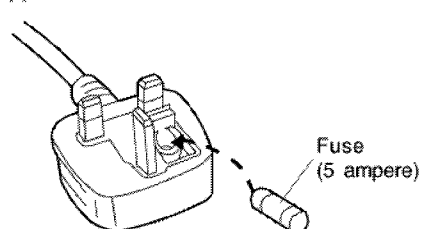
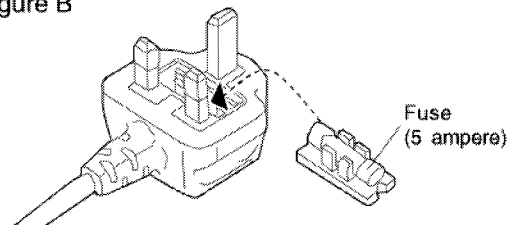
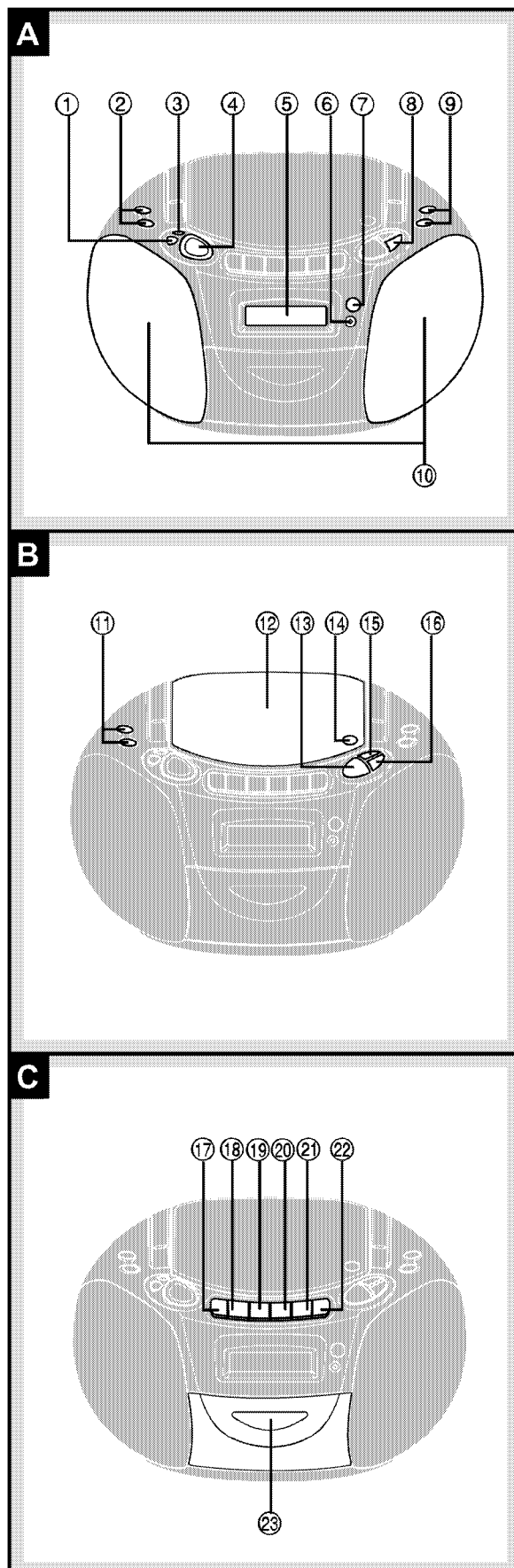


Figure B



7 Front Panel Controls

7.1. Front Panel



A Clock, Alarm and Basic controls

- | Number | Designation |
|--------|--|
| ① | Alarm set button (ALARM 1/2) |
| ② | Time adjust buttons (←/▶, +/–) |
| ③ | Clock/alarm mode select button (CLOCK/ALARM ADJ) |
| ④ | Tape/power standby/doze button (TAPE/OFF DOZE)
The operation switch does not separate entire unit from mains even if in "TAPE/OFF DOZE" position. |
| ⑤ | Display panel |
| ⑥ | Standby indicator (⓪/I)
The indicator lights green when the unit is turned on. When the AC power supply is used, it functions as an AC connection indicator. (The indicator colour changes to red when the unit is turned off.) |
| ⑦ | Remote control signal sensor |
| ⑧ | Alarm stop button (■ ALARM STOP) |
| ⑨ | Volume control buttons (VOL –, VOL +) |
| ⑩ | Speakers |

Note

These speakers do not have magnetic shielding. Do not place them near televisions, personal computers or other devices easily influenced by magnetism.

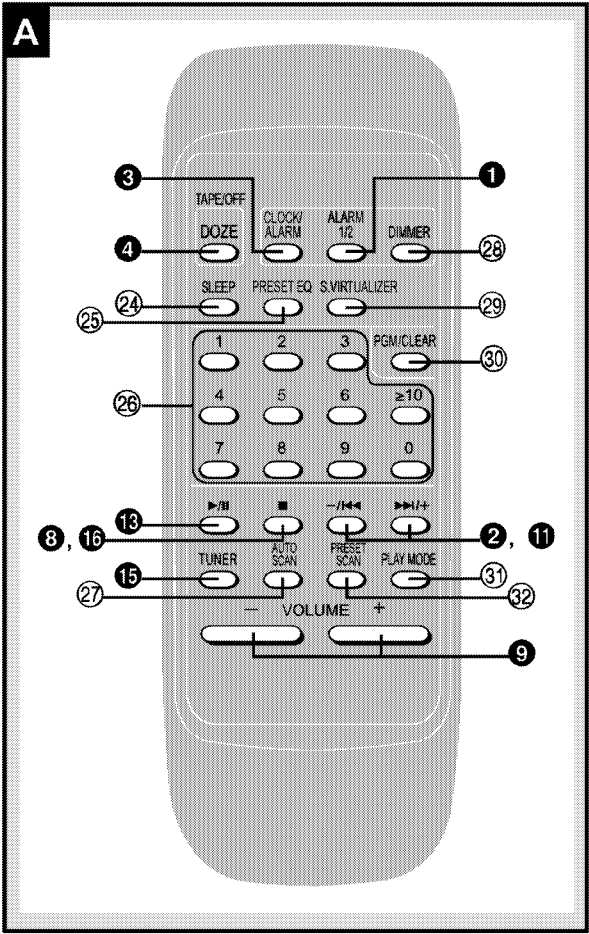
B Tuner/CD controls

- | Number | Designation |
|--------|--|
| ⑪ | Tuning/CD skip/search buttons (←/▶, +/–) |
| ⑫ | CD lid |
| ⑬ | CD play/pause button (▶/II) |
| ⑭ | CD lid open/close (⬆ CD OPEN/CLOSE) |
| ⑮ | Band button (TUNER/BAND) |
| ⑯ | CD stop button (■ ALARM STOP) |

C Cassette deck controls

- | Number | Designation |
|--------|------------------------------------|
| ⑰ | Pause button (II PAUSE) |
| ⑱ | Stop/eject button (■/▲ STOP/EJECT) |
| ⑲ | Fast forward/cue button (⏭ FF/CUE) |
| ⑳ | Rewind/review button (⏮ REW/REV) |
| ㉑ | Play button (▶ PLAY) |
| ㉒ | Record button (● REC) |
| ㉓ | Deck |

7.2. Remote Control



A Buttons

- | Number | Designation |
|--------|---|
| ②④ | Sleep timer button (SLEEP) |
| ②⑤ | Preset equalizer button (PRESET EQ) |
| ②⑥ | Numbered buttons |
| ②⑦ | Auto scan button (AUTO SCAN) |
| ②⑧ | Dimmer button (DIMMER) |
| ②⑨ | Sound virtualizer button (S.VIRTUALIZER) |
| ③⑩ | CD Program/clear, tuner preset button (PGM/CLEAR) |
| ③① | CD play mode, FM mode button (PLAY MODE) |
| ③② | Preset scan button (PRESET SCAN) |

When the unit is supplied with AC power, buttons ① to ④, ⑧, ⑨, ⑪, ⑬, ⑮ and ⑯ function in the same way as the controls on the main unit. To save power, the unit cannot be turned on from the remote control when the batteries are used.

8 Self-Diagnostic Functions

8.1. Display Content

No.	Abnormal Items	Error Display
1	BATTERY (consumed)	U01
2	BATTERY PLUG (slipped off)	U02

9 Disassembly and Main Component Replacement Procedures

“ATTENTION SERVICER”

Some chassis components maybe have sharp edges. Be careful when diassembling and servicing.

1. This section describes procedures for checking the operation of the major printed circuit boards and replacing the main components.
2. For reassembly after operation checks or replacement, reverse the respective procedures.
Special reassembly procedures are described only when required.
3. Select items from the following index when checks or replacement are required.
4. Refer the Parts No. on the page of “Main component Replacement Procedures”, if necessary.

Content

• Disassembly Procedure for each major P.C.B.

1. Checking for the Main, Tuner, Panel, Power, Deck and CD Servo P.C.B. P.g. 9 ~ 11

• Main Component Replacement Procedures

1. Replacement of the Traverse Deck P.g. 12
2. Installation of the CD Servo P.C.B. after Replacement P.g.12

Warning:

This product uses a laser diode. Refer to “Precaution of Laser Diode”.

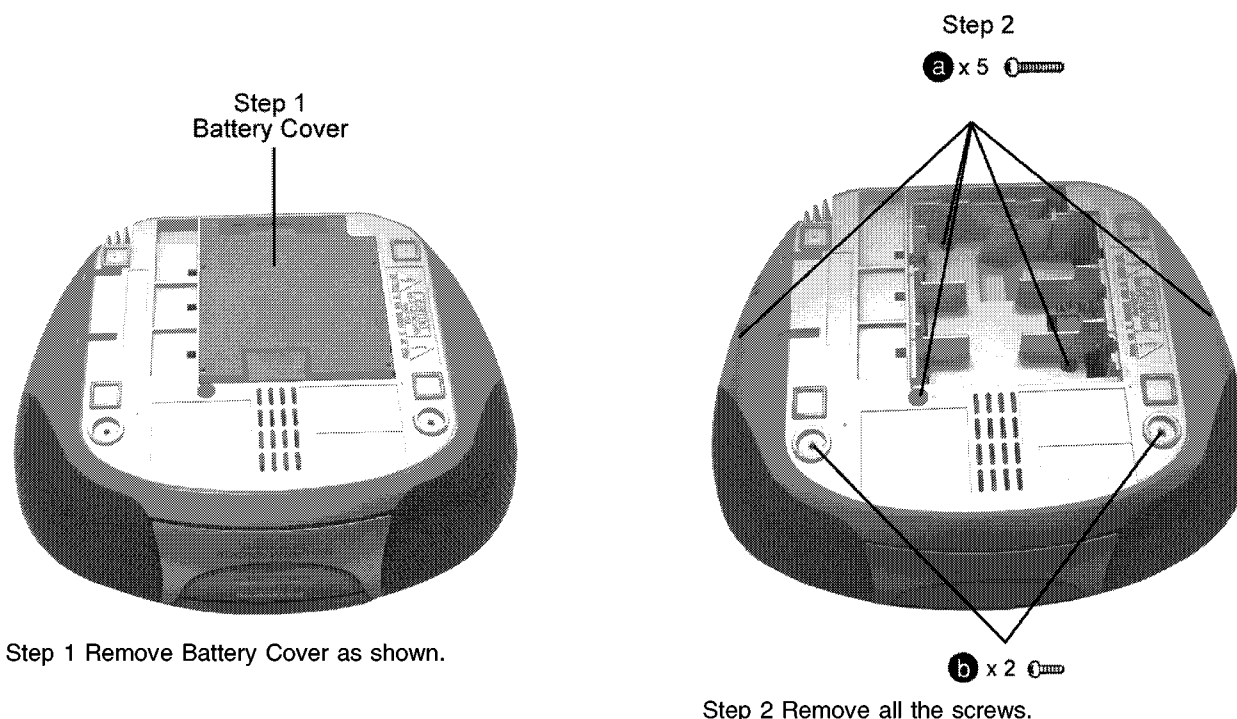
ACHTUNG:

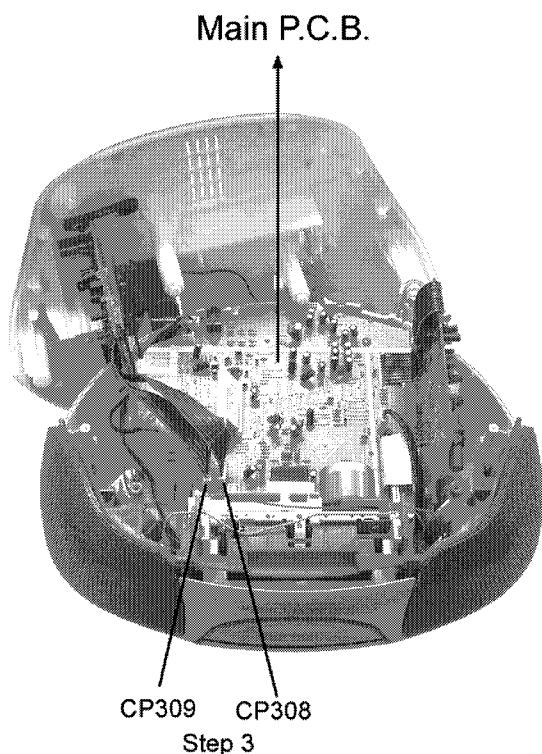
Die Lasereinheit nicht zerlegen.

Die Lasereinheit darf nur gegen eine vom Hersteller spezifizierte Einheit ausgetauscht werden.

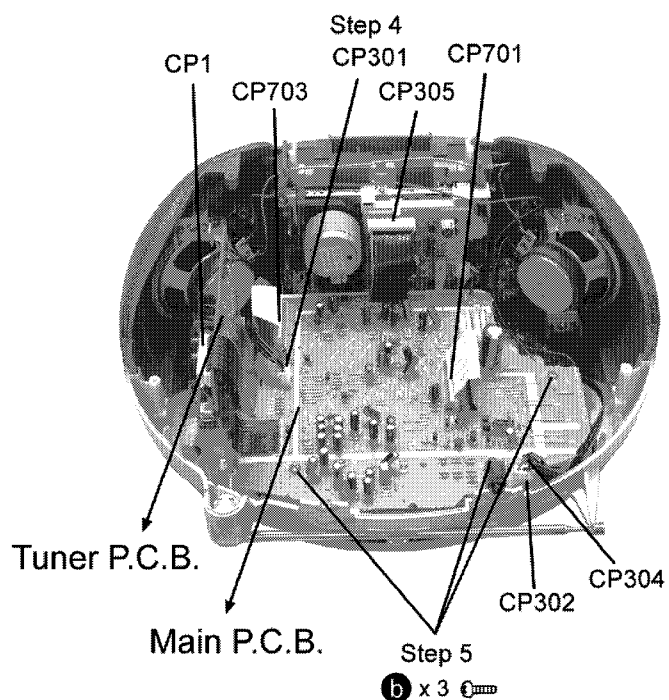
9.1. Disassembly Procedure for each major P.C.B.

9.1.1. Checking for Main, Tuner, Panel, Power, Deck and CD Servo P.C.B.



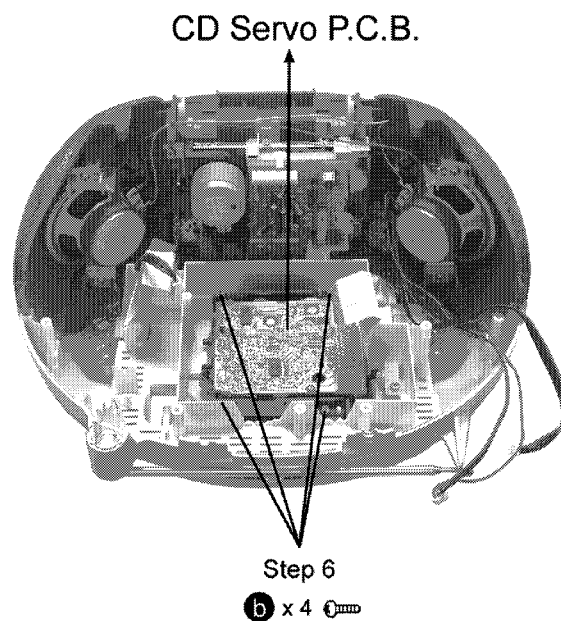


Step 3 Release the connectors CP309 and CP308.

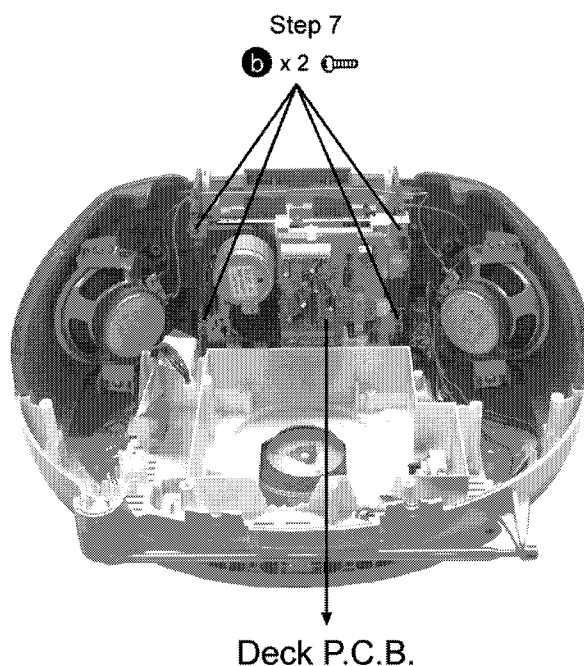


Step 4 Release the connectors CP1, CP703, CP301, CP305, CP701, CP302 and CP304.

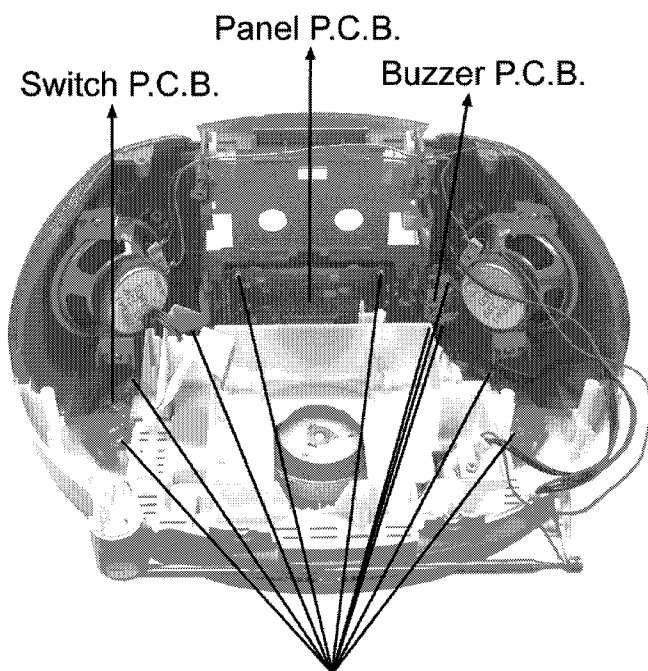
Step 5 Remove all the screws.



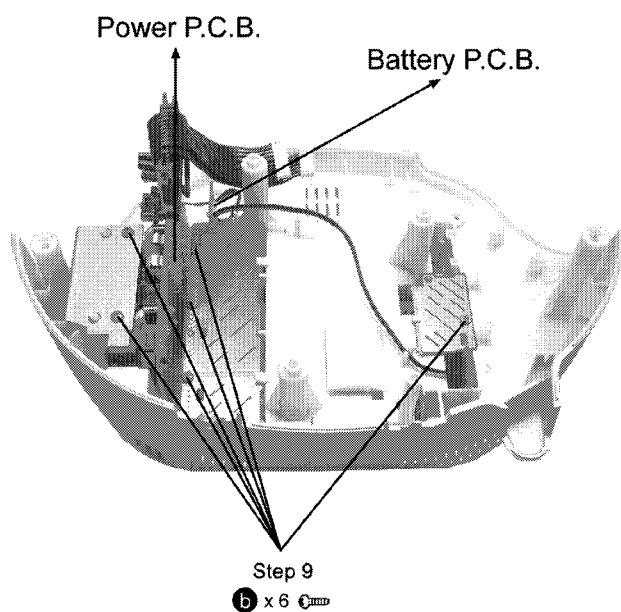
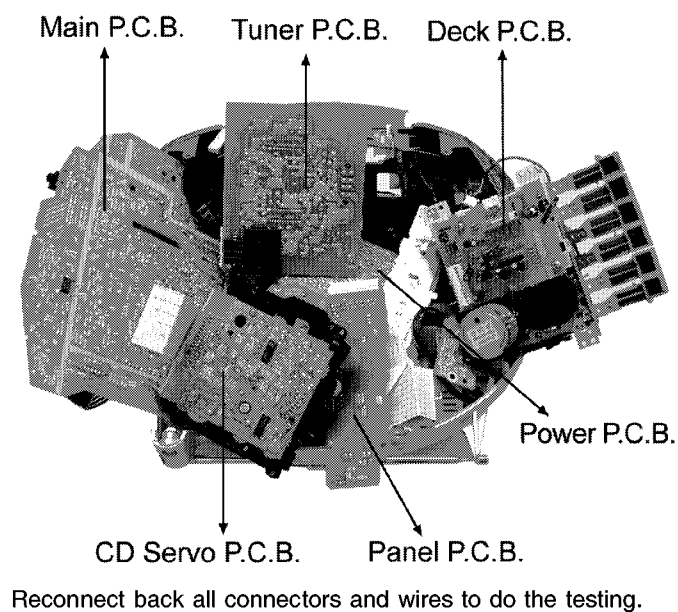
Step 6 Remove all the screws.



Step 7 Remove all the screws.



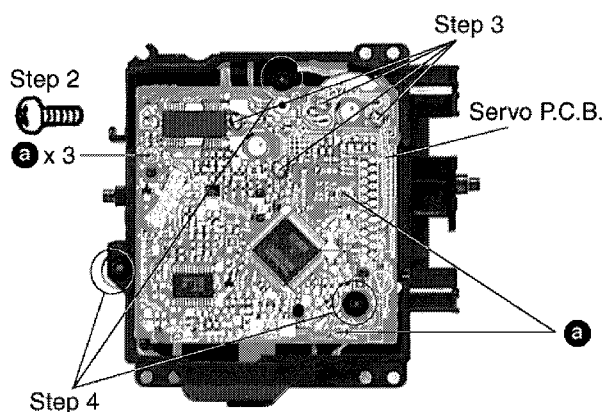
Step 8 Remove all the screws.



Step 9 Remove all the screws.

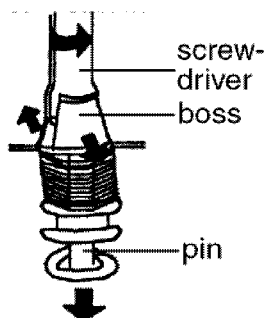
9.2. Main Component Replacement Procedures

9.2.1. Replacement of the Traverse Deck

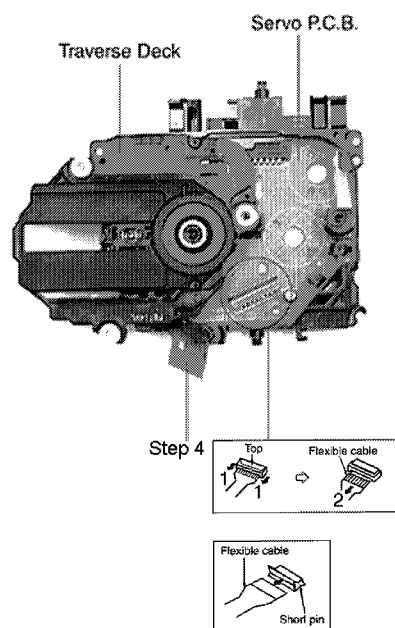


Step 2 Desolder the 4 legs of the 2 motors and pull out the Servo P.C.B.

Step 3 Widen the 3 bosses with a flat screwdriver and pull out the 3 pins. Then remove the Traverse Deck.



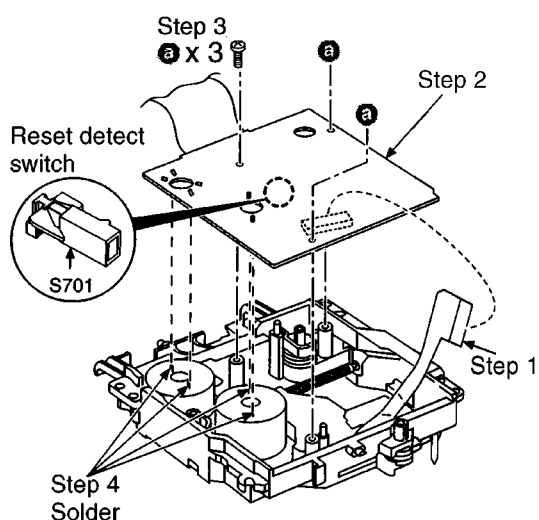
Note: Insert a short pin into the flexible cable for traverse unit.



Step 4 Remove the flexible cable CN701.

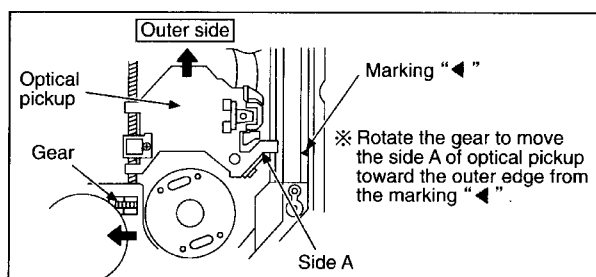
Removal of the flexible cable. Push the top of the connector in the direction of the arrow 1, and then pull out the flexible cable in the direction of the arrow 2.

9.2.2. Installation of the CD Servo P.C.B. after Replacement



Step 1 Connect the FFC board.

Step 2 Install the CD servo P.C.B. in the traverse deck assembly.



Note:

Before installing the CD servo P.C.B., move the optical pickup towards the outer edge from the marking (black triangle).

[Otherwise, the detect switch (S701) mounted on the CD servo P.C.B. may be damaged.]

10 Schematic Diagram

(All schematic diagrams may be modified at any time with the development of new technology.)

Notes:

S703	RESET Switch
SW601	FF Switch
SW602	REV Switch
SW603	CLOCK/TIMER Switch
SW604	ALARM Switch
SW605	TAPE/OFF Switch
SW606	CD PLAY/PAUSE Switch
SW607	BAND Switch
SW608	CD STOP Switch
SW609	VOL DECREASE Switch
SW610	VOL INCREASE Switch
SW1001	PUSH Switch

Battery Current:

0.24 A (FM)

0.24 A (FM REC)

0.30 A (TAPE Playback)

0.39 A (CD)

0.41 A (CD REC)

- The voltage value and waveforms are the reference voltage of this unit measured by DC electronic voltmeter (high

impedance) and oscilloscope on the basis of chassis. Accordingly, there may arise some error in voltage values and waveforms depending upon the internal impedance of the tester or the measuring unit.

No mark	...Playback	< >	...FM
(())	...CD	()	...AM

• Importance safety notice:

Components identified by $\triangle$ mark have special characteristics important for safety. Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

Caution!

IC, LSI and VLSI are sensitive to static electricity.

Secondary trouble can be prevented by taking care during repair.

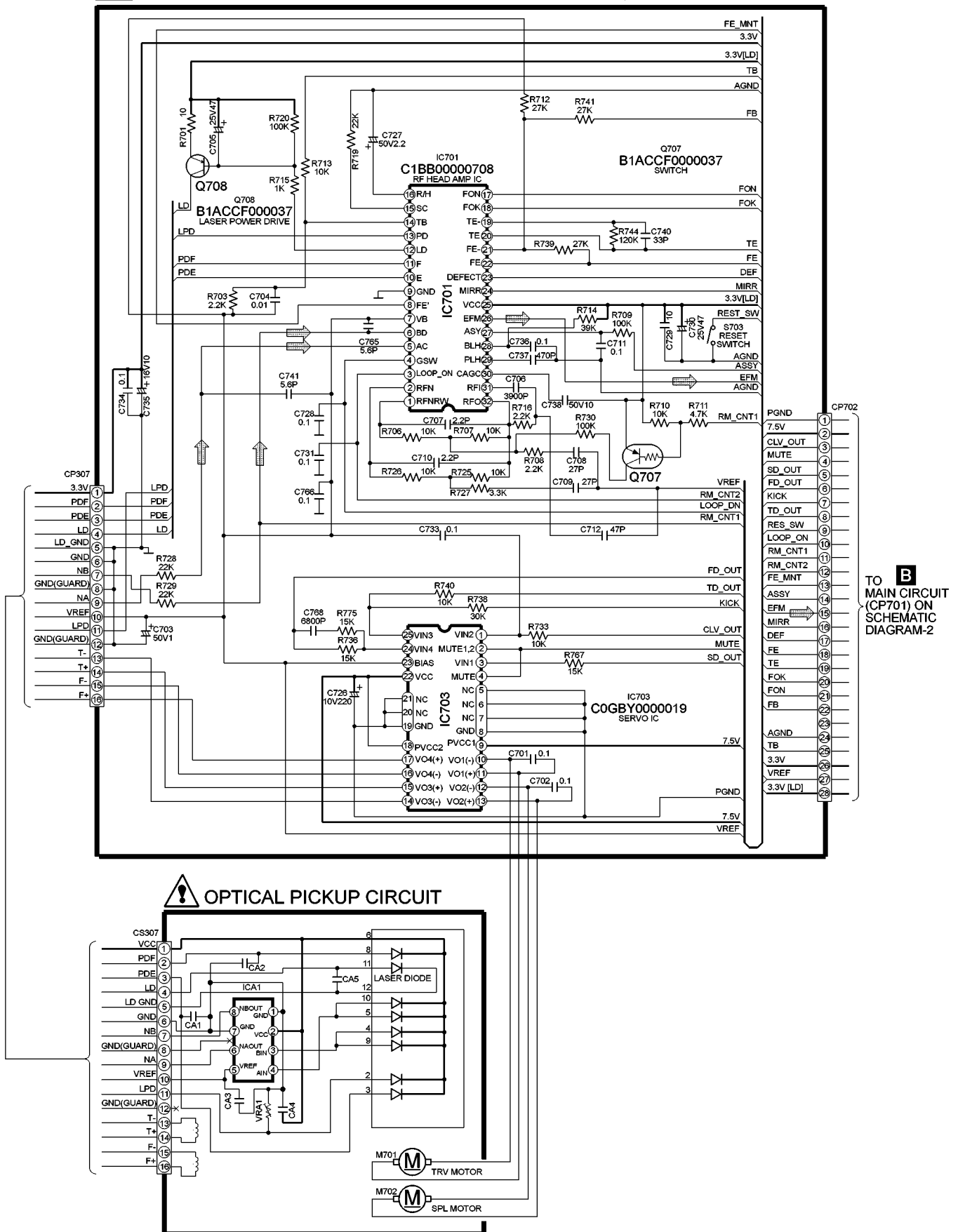
- Cover the parts boxes made of plastics with aluminium foil.
- Put a conductive mat on the work table.
- Ground the soldering iron.
- Do not touch the pins of IC, LSI or VLSI with fingers directly.

SCHEMATIC DIAGRAM-1

A CD SERVO CIRCUIT

— : +B SIGNAL LINE

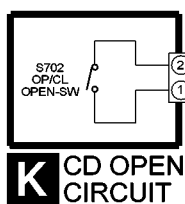
⇨ : CD SIGNAL LINE



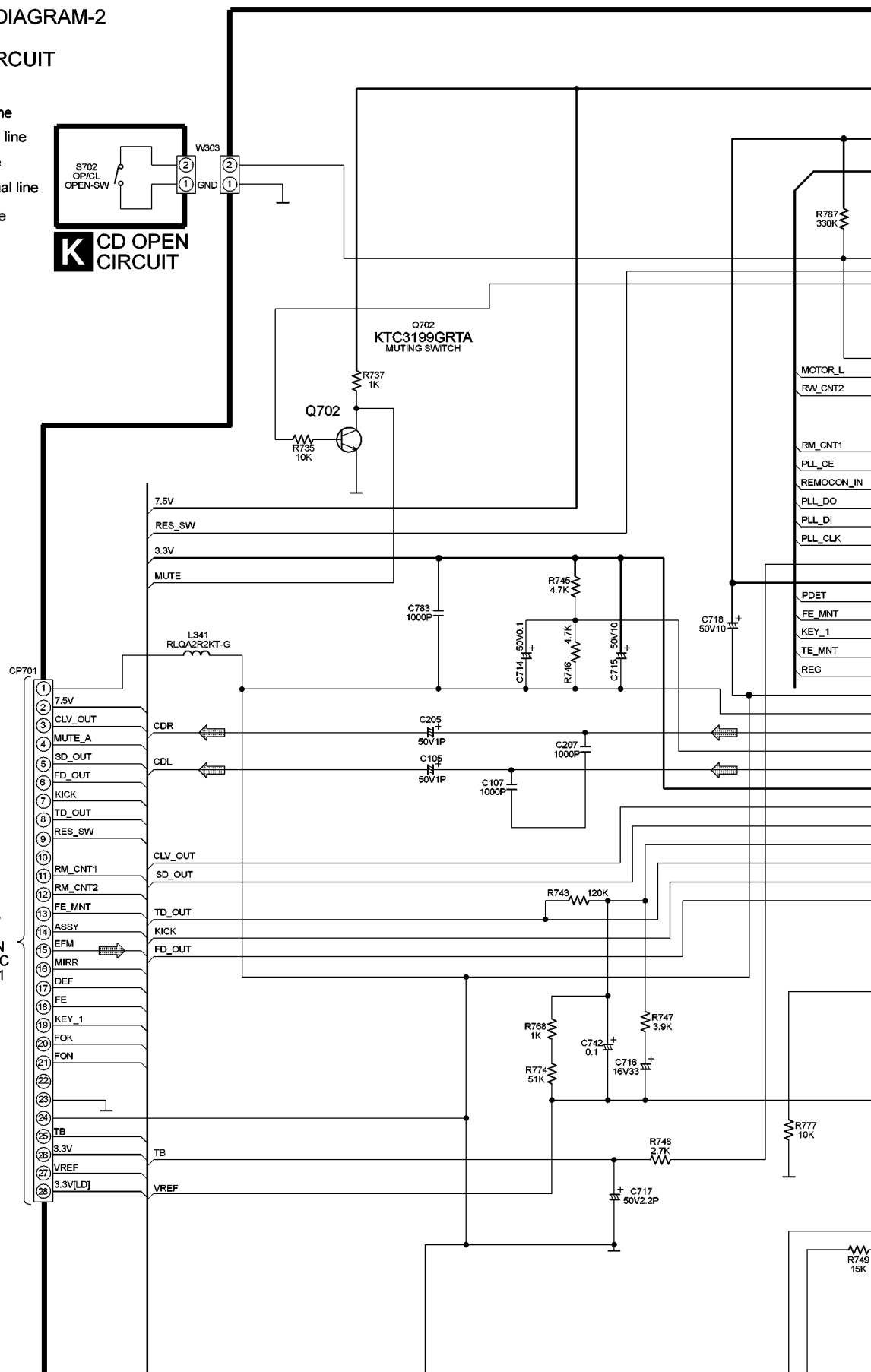
SCHEMATIC DIAGRAM-2

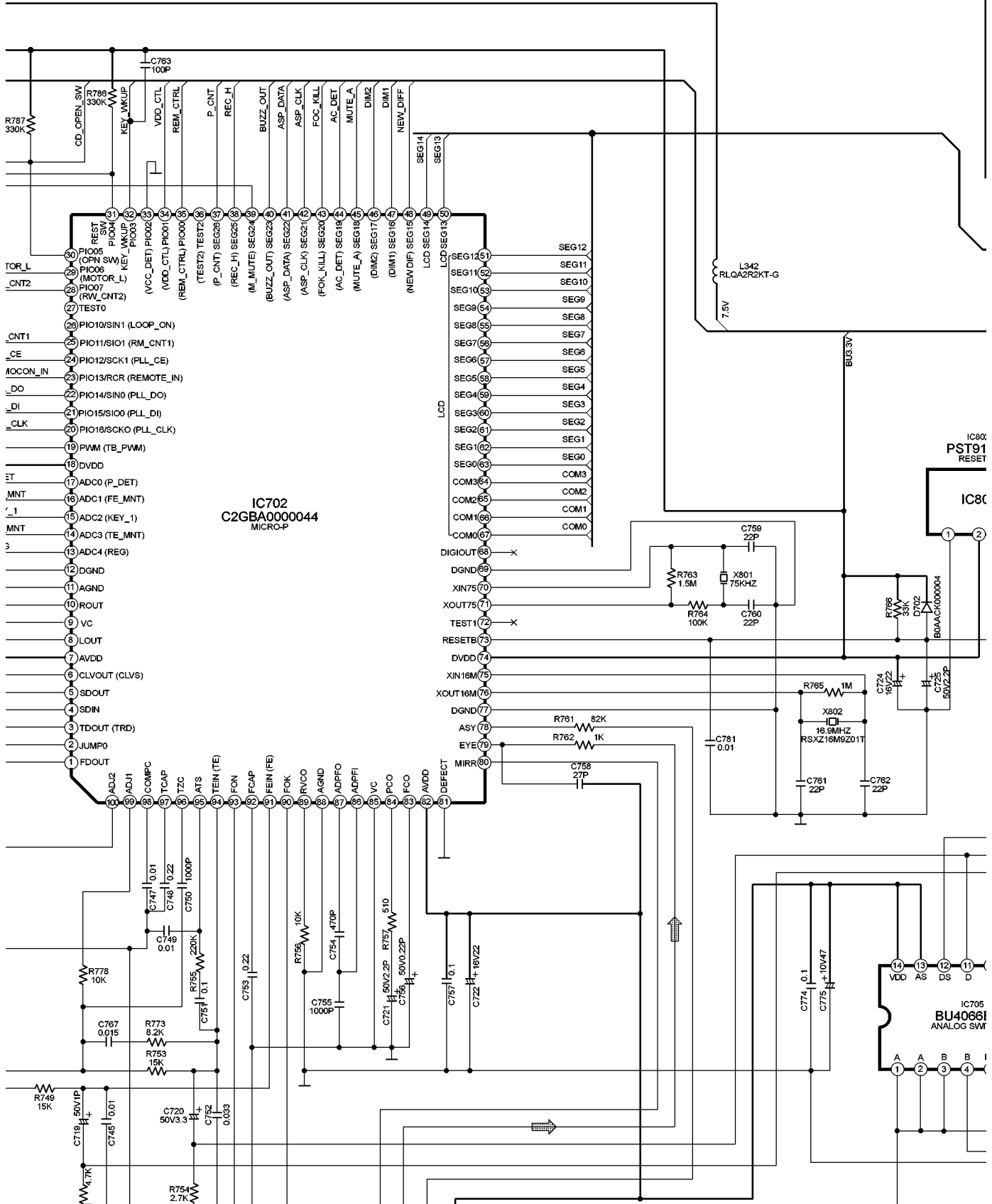
B MAIN CIRCUIT

-  : Main Signal line
 : AM/FM Signal line
 : CD Signal line
 : Playback Signal line
 : Rec Signal line
 : +B Signal line

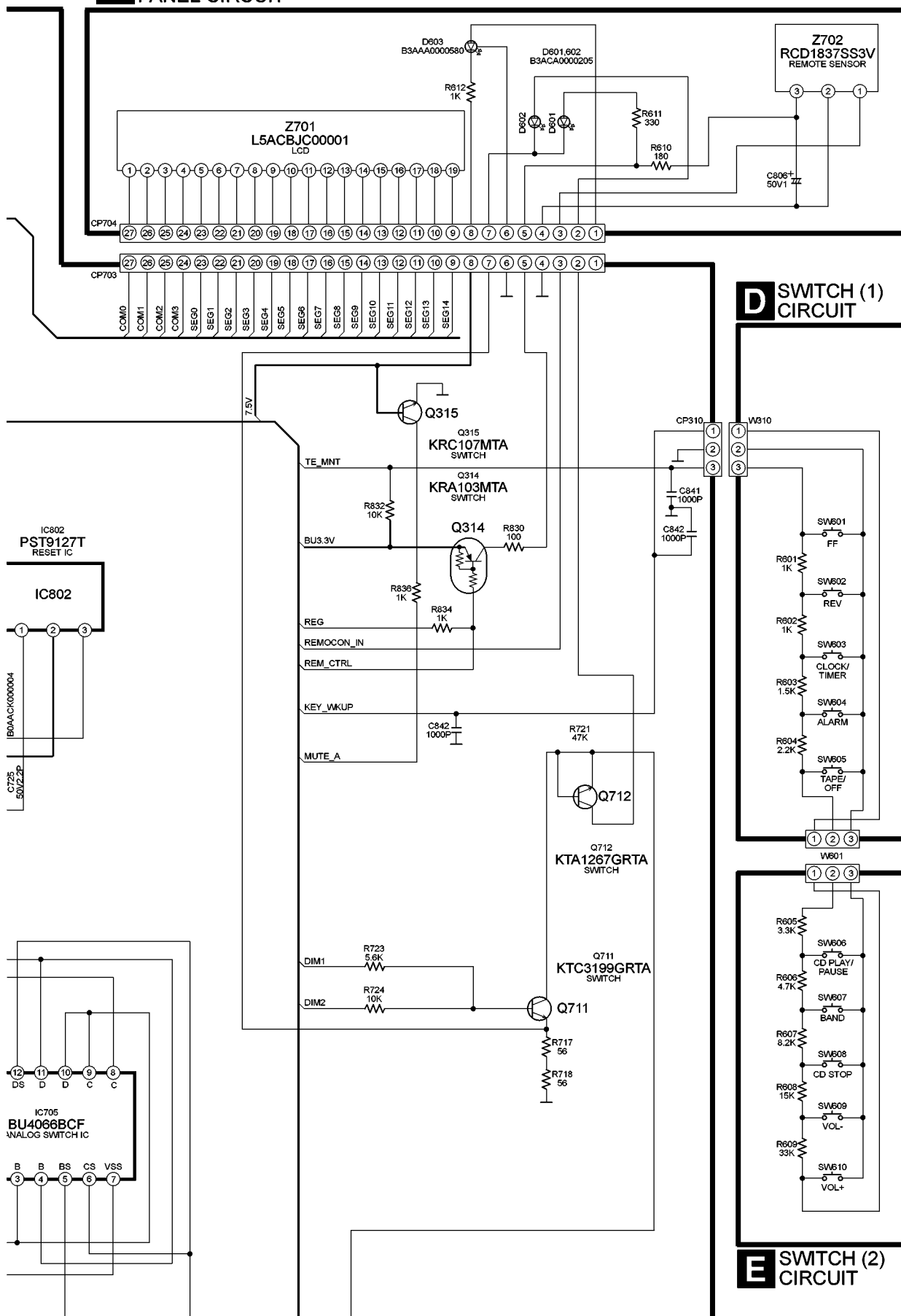


A
TO CD SERVO
CIRCUIT
(CP702) ON
SCHEMATIC
DIAGRAM-1

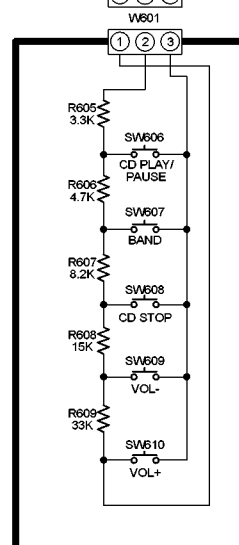
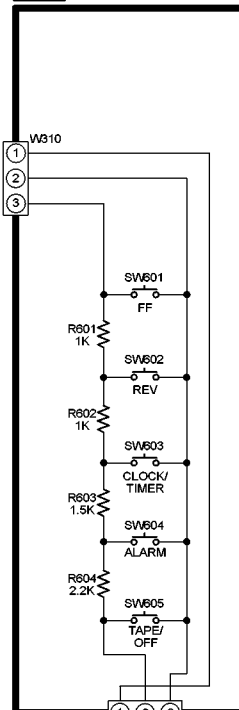




C PANEL CIRCUIT



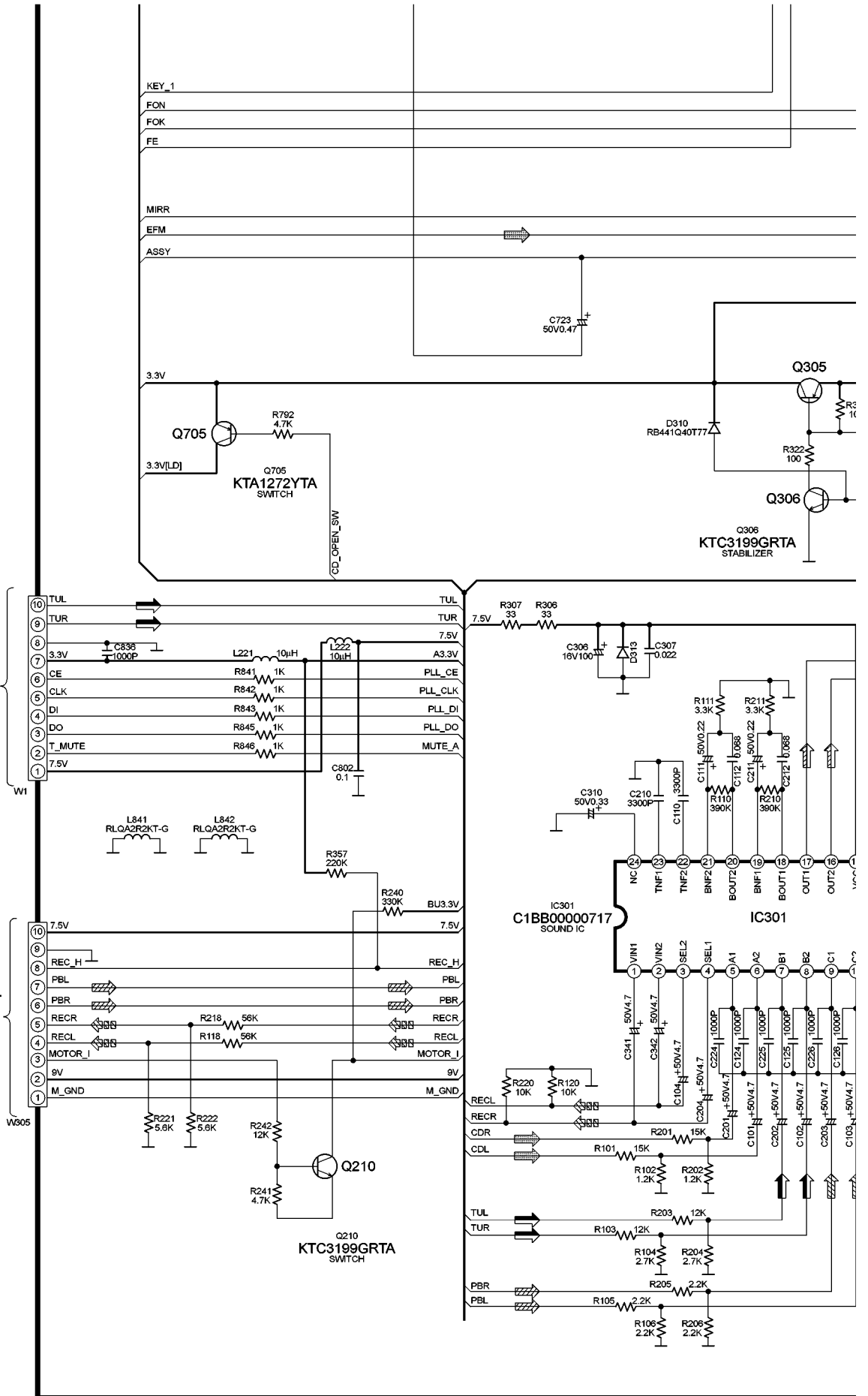
D SWITCH (1) CIRCUIT

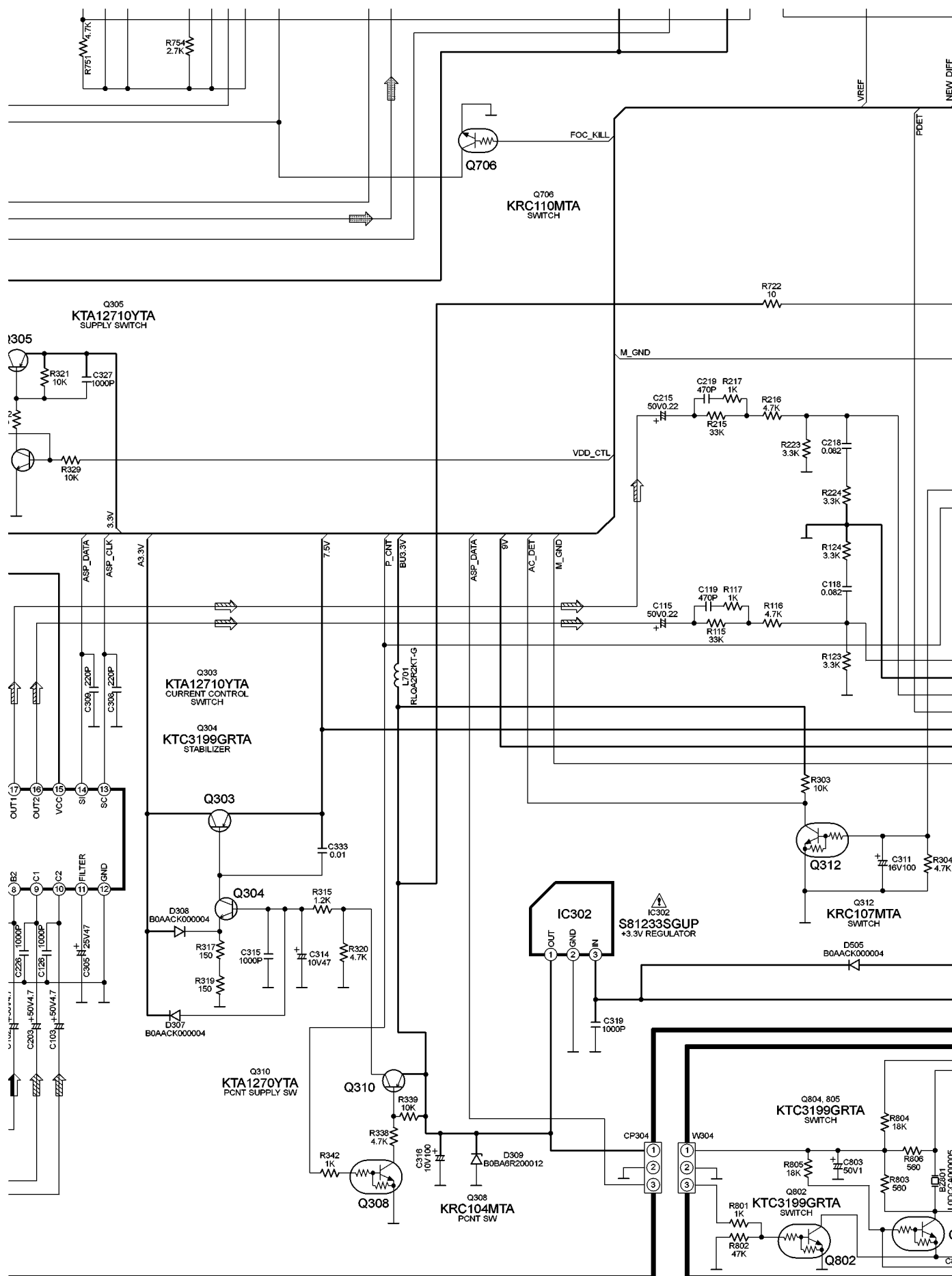


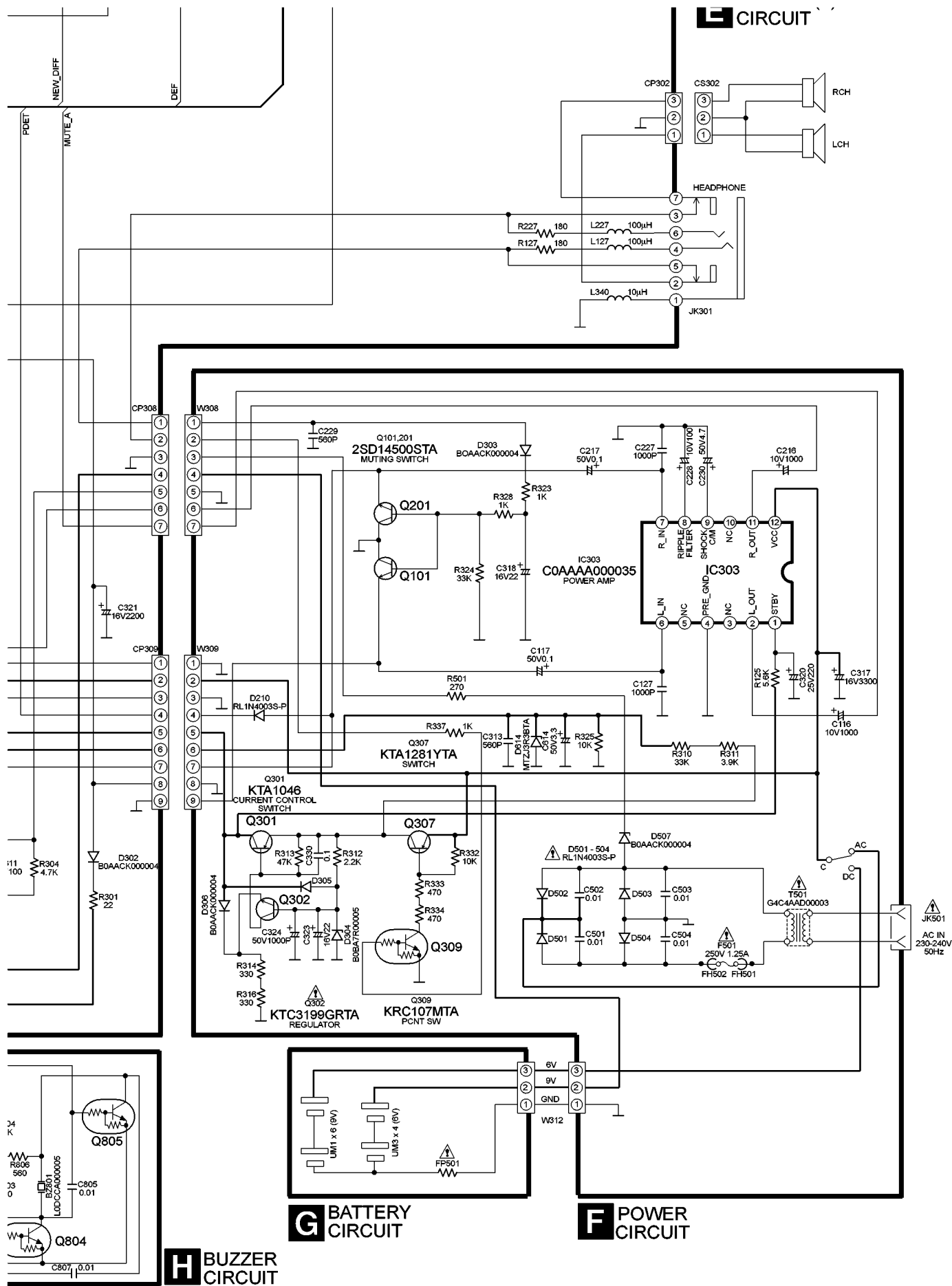
E SWITCH (2) CIRCUIT

TO
TUNER CIRCUIT
(CP1) ON
SCHEMATIC
DIAGRAM-4

TO
DECK CIRCUIT
(CP305) ON
SCHEMATIC
DIAGRAM-6







SCHEMATIC DIAGRAM-3

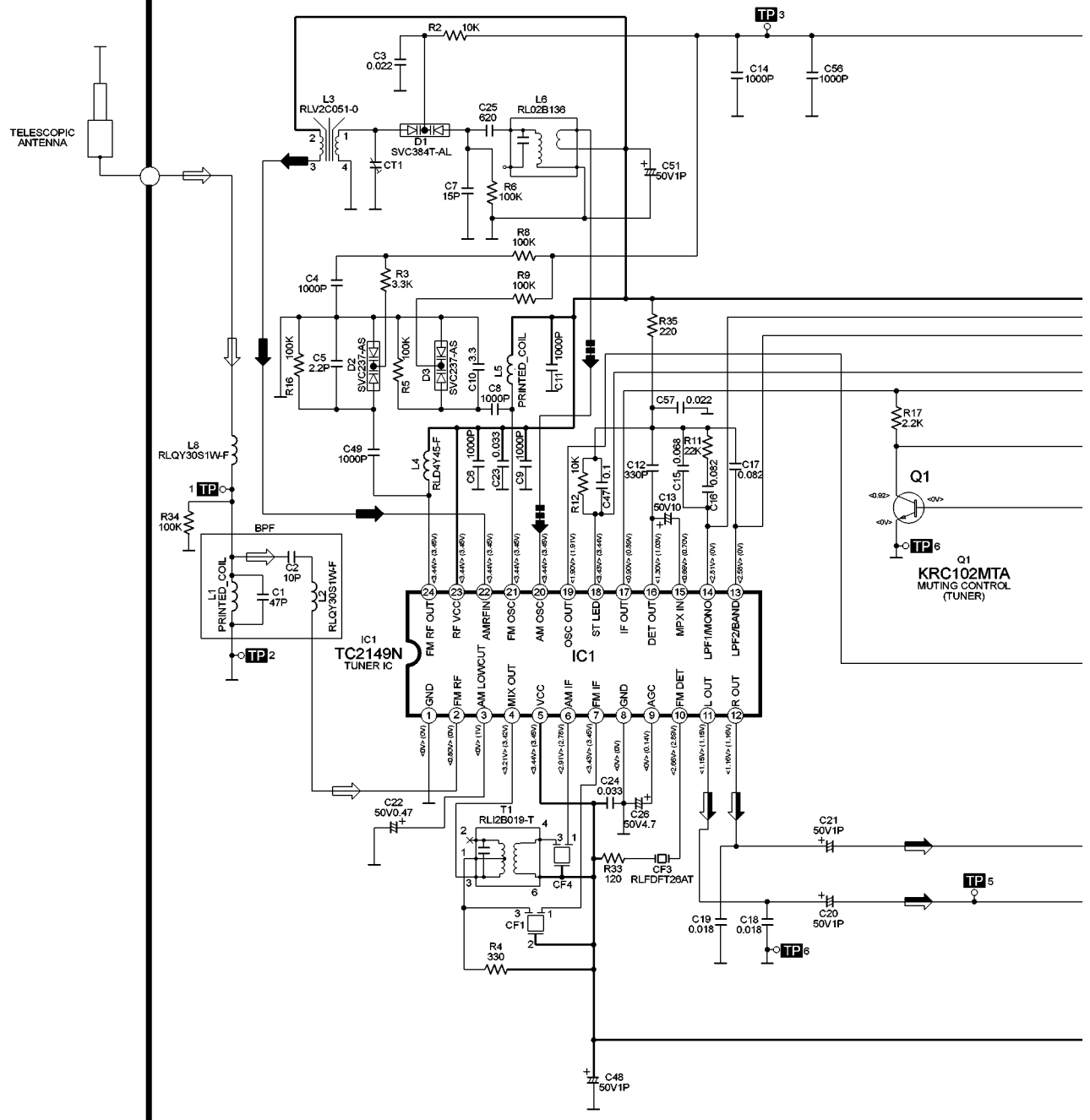
I TUNER CIRCUIT

 : FM Signal line

 : +B Signal line

 : AM Signal line

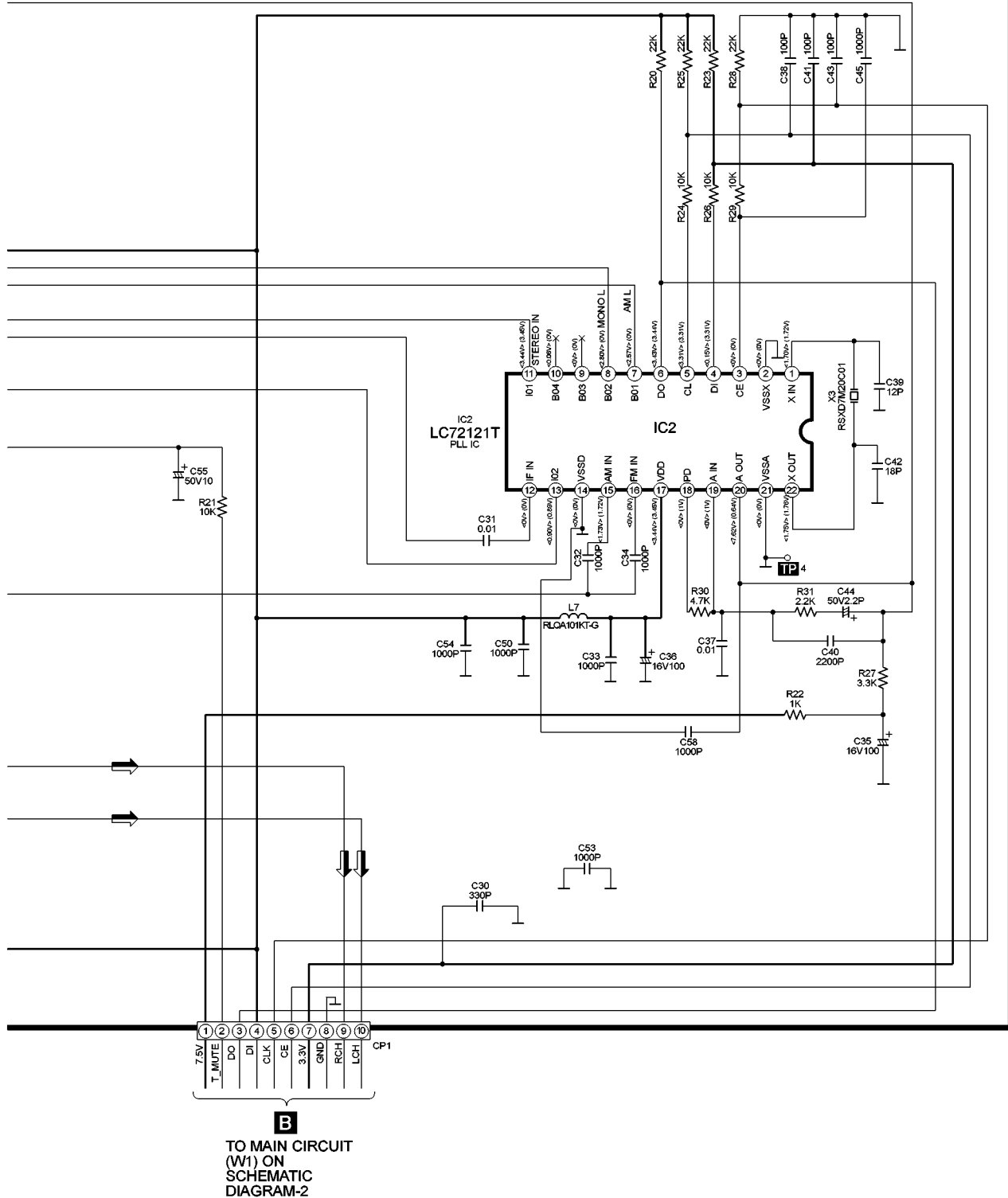
 : AM/FM Signal line

 : AM OSC Signal line


SCHEMATIC DIAGRAM-4

I TUNER CIRCUIT

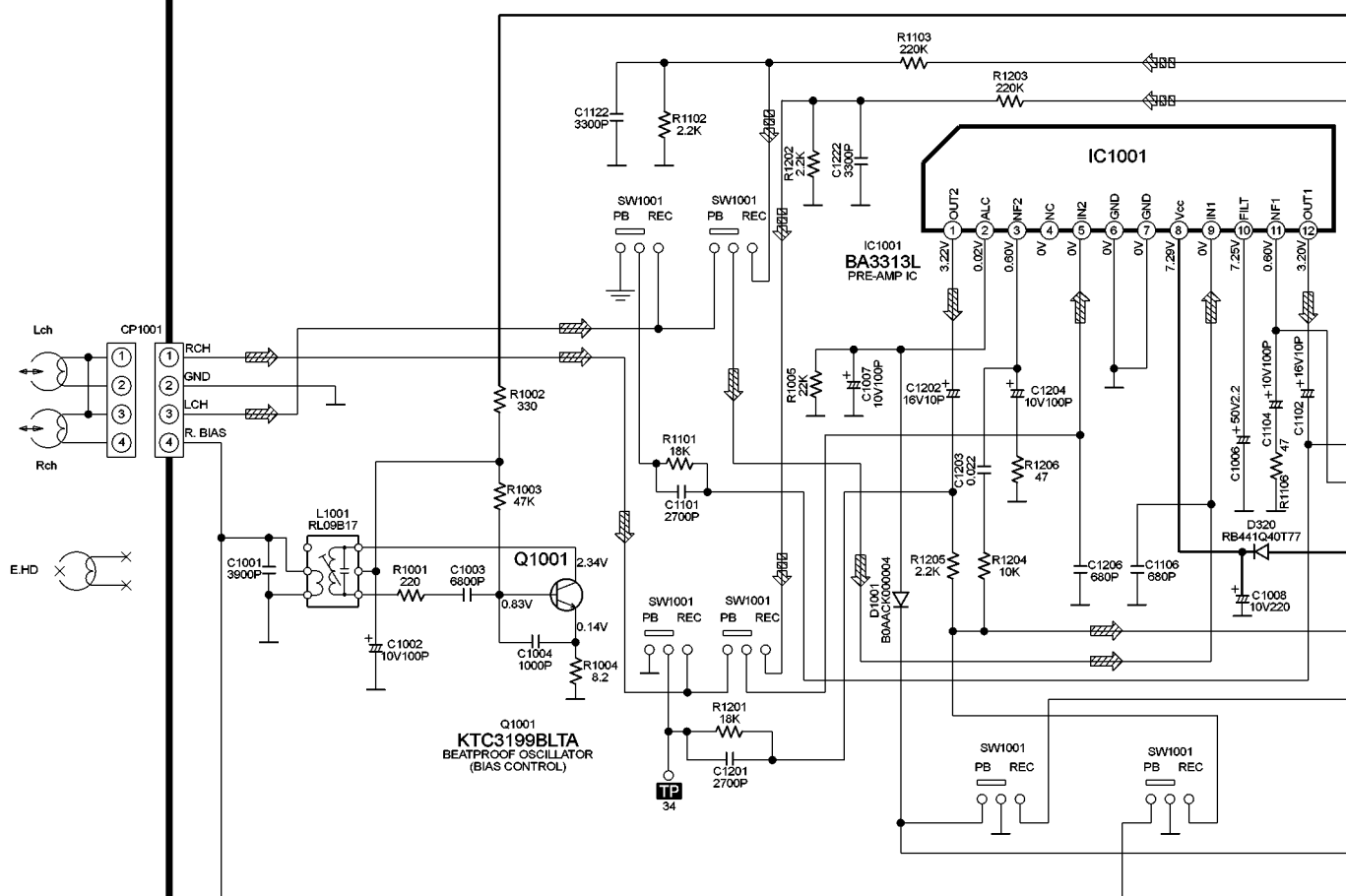
 : AM/FM Signal line
 : +B Signal line



SCHEMATIC DIAGRAM-5

J DECK CIRCUIT
 : Rec Signal line

 : +B Signal Line

 : Playback Signal Line


SCHEMATIC DIAGRAM-6

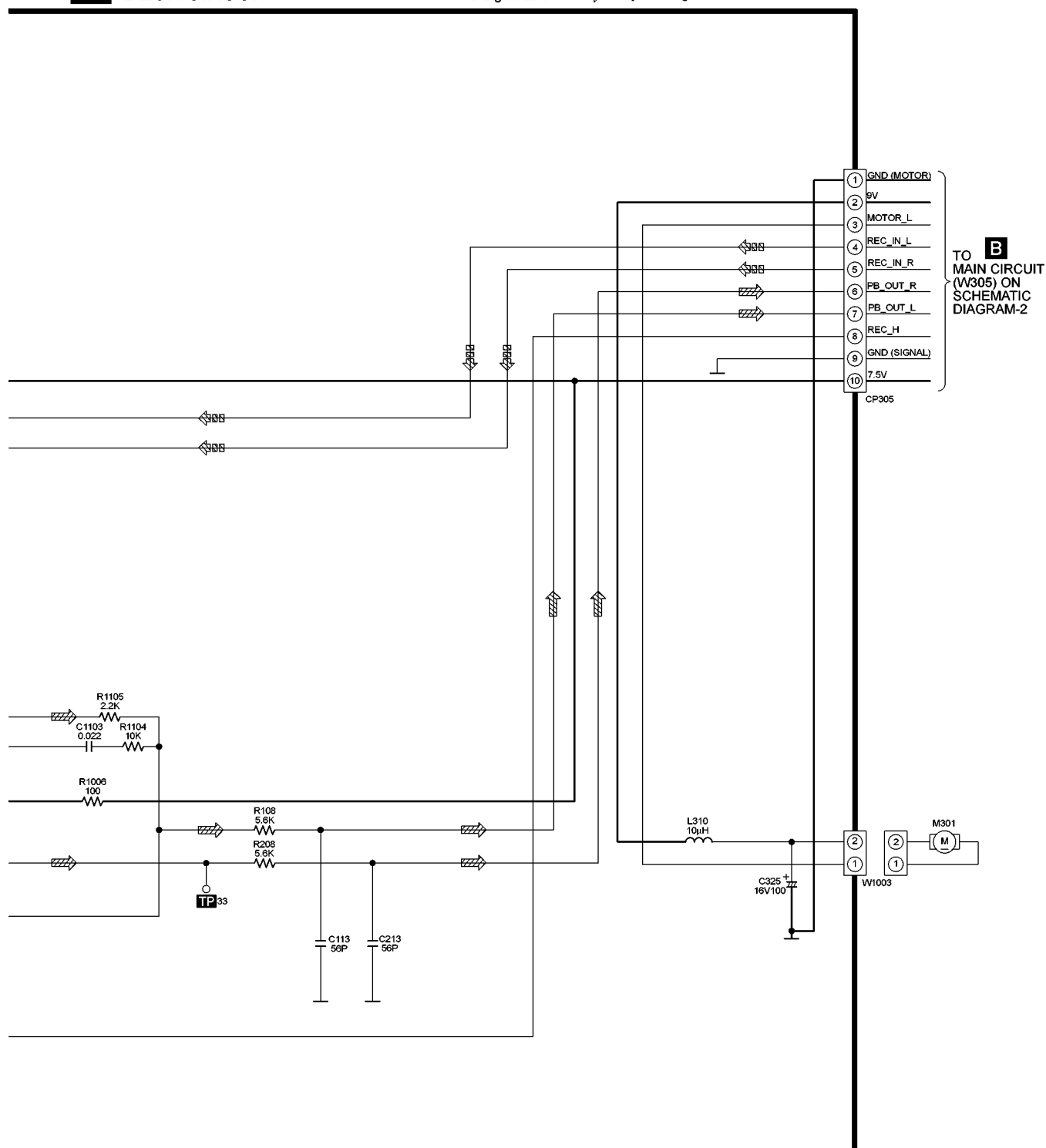
J

DECK CIRCUIT

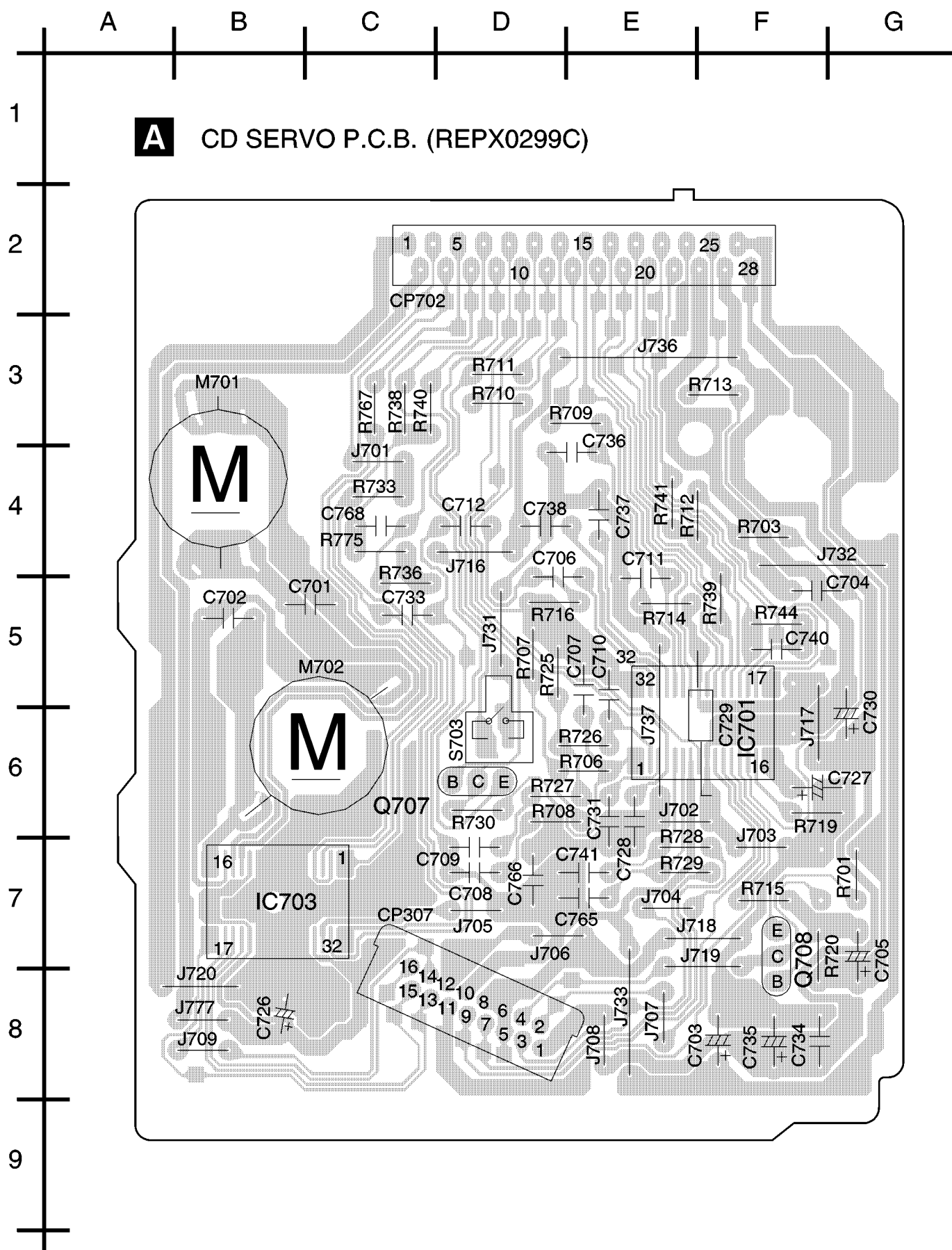
 : Rec Signal line

 : +B Signal Line

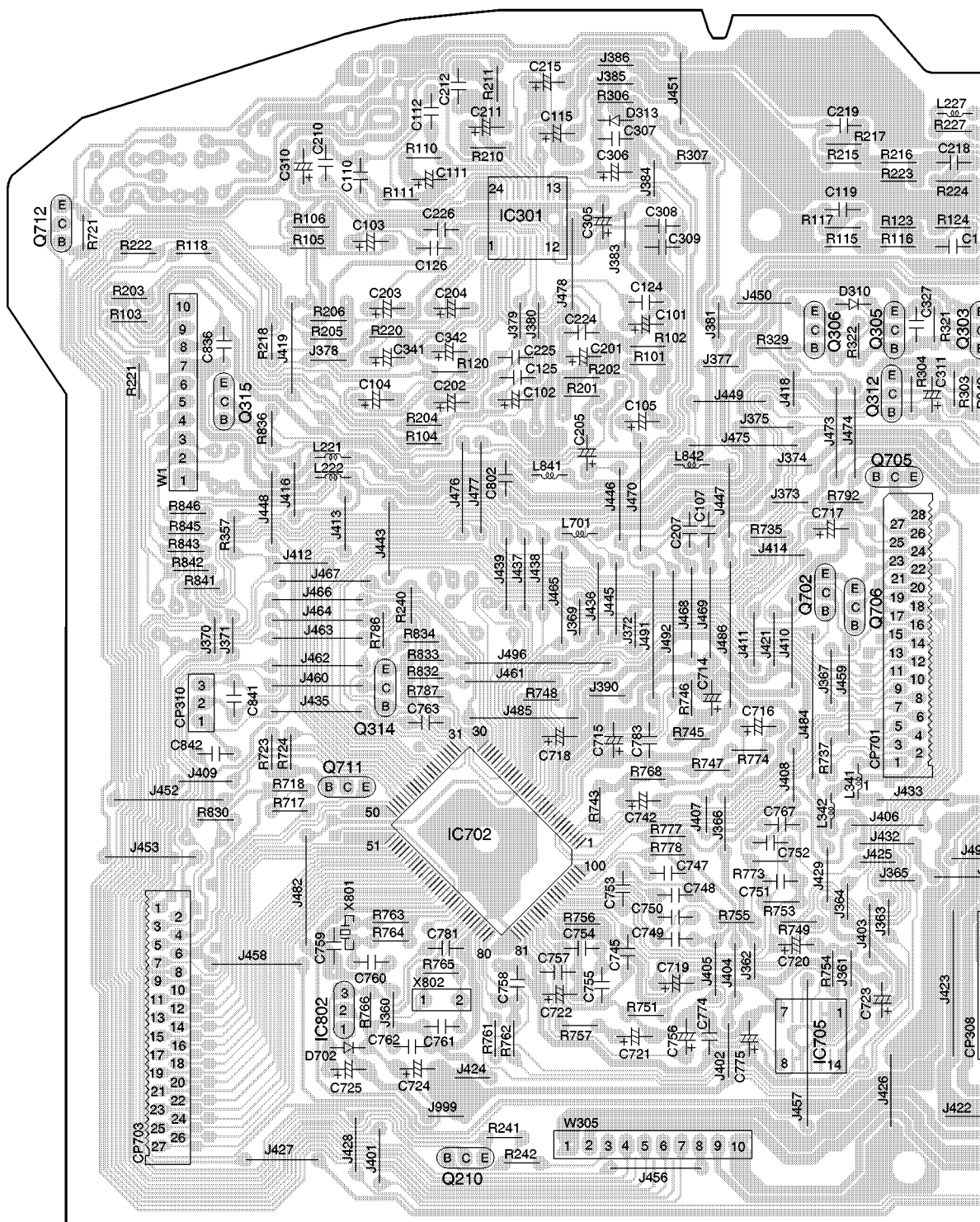
 : Playback Signal Line



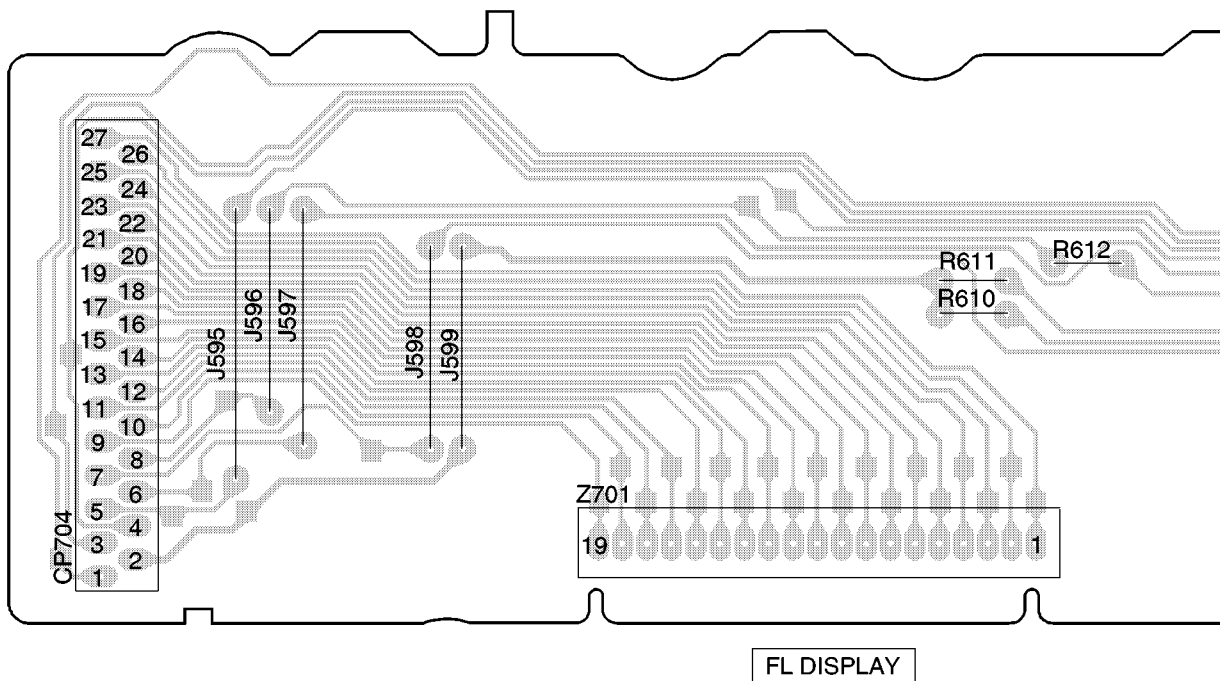
11 Printed Circuit Board



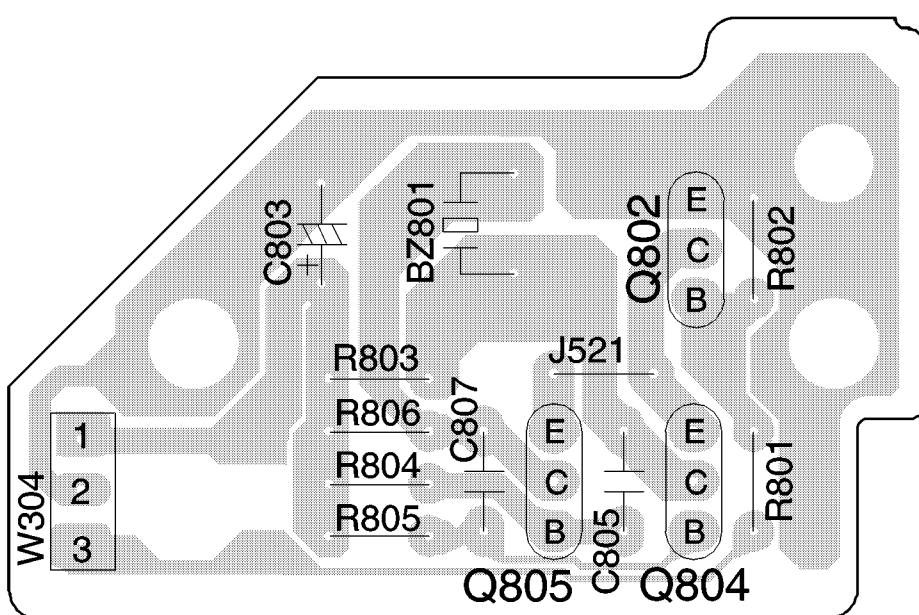
B MAIN P.C.B. (REPX0298C)

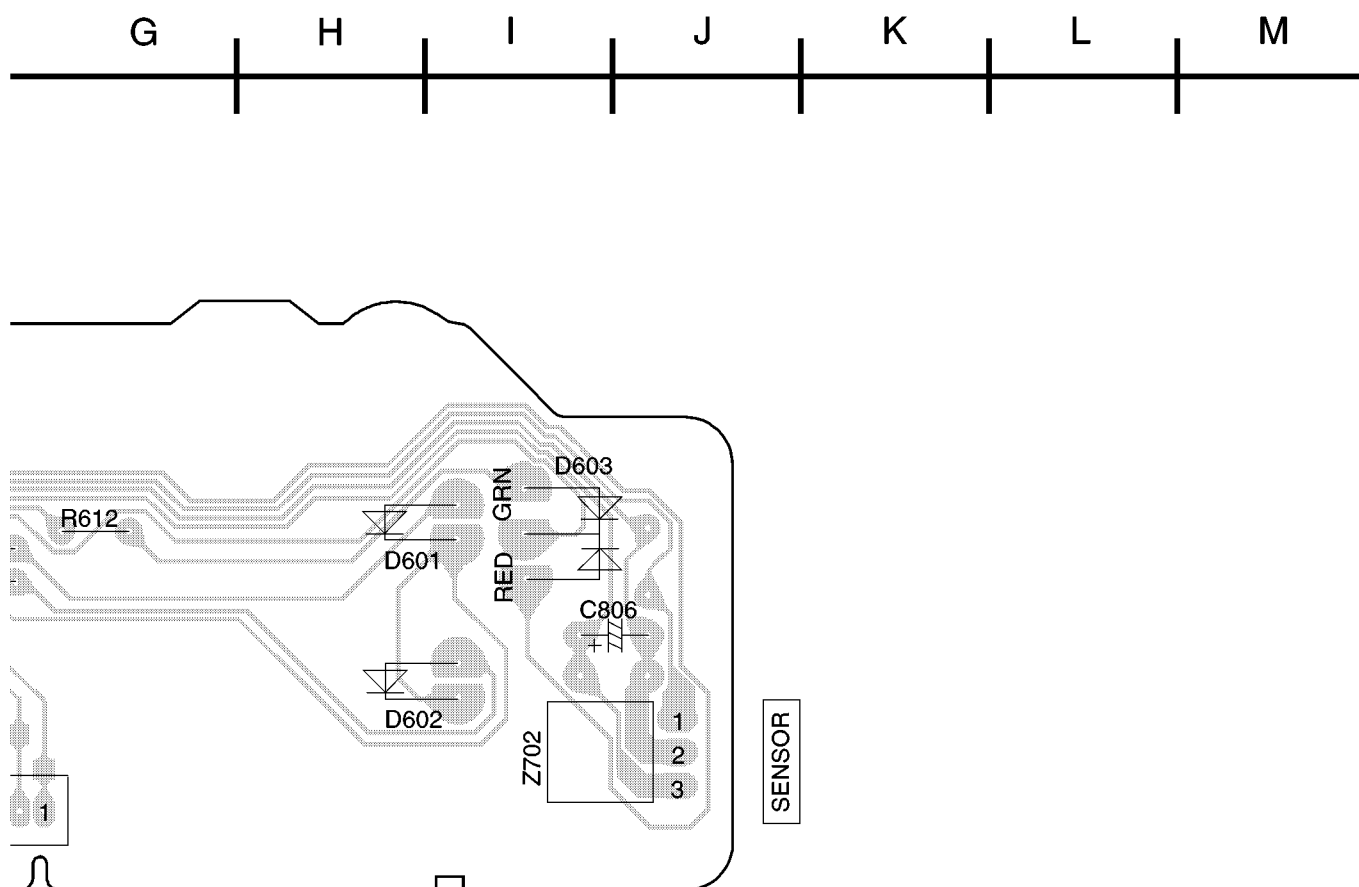


C PANEL P.C.B. (REPX0299C)

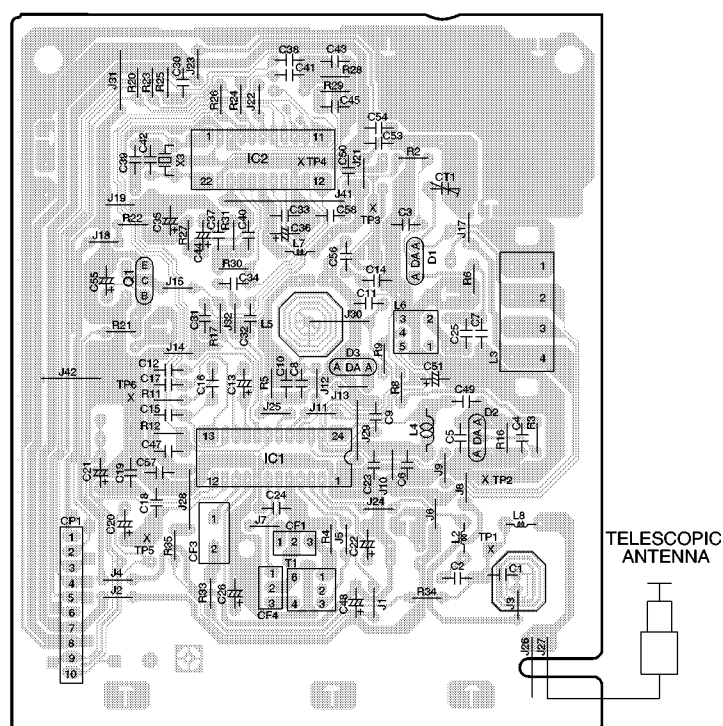


H BUZZER P.C.B. (REPX0298C)

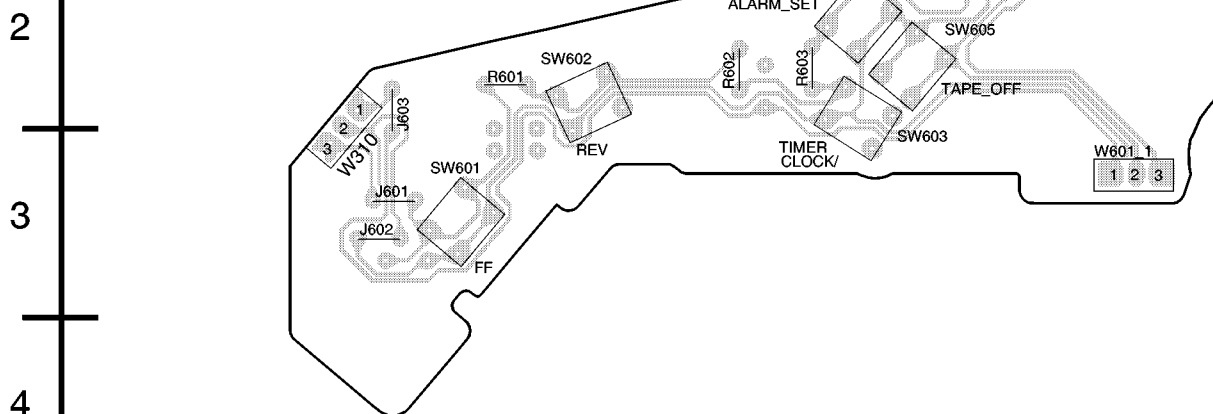
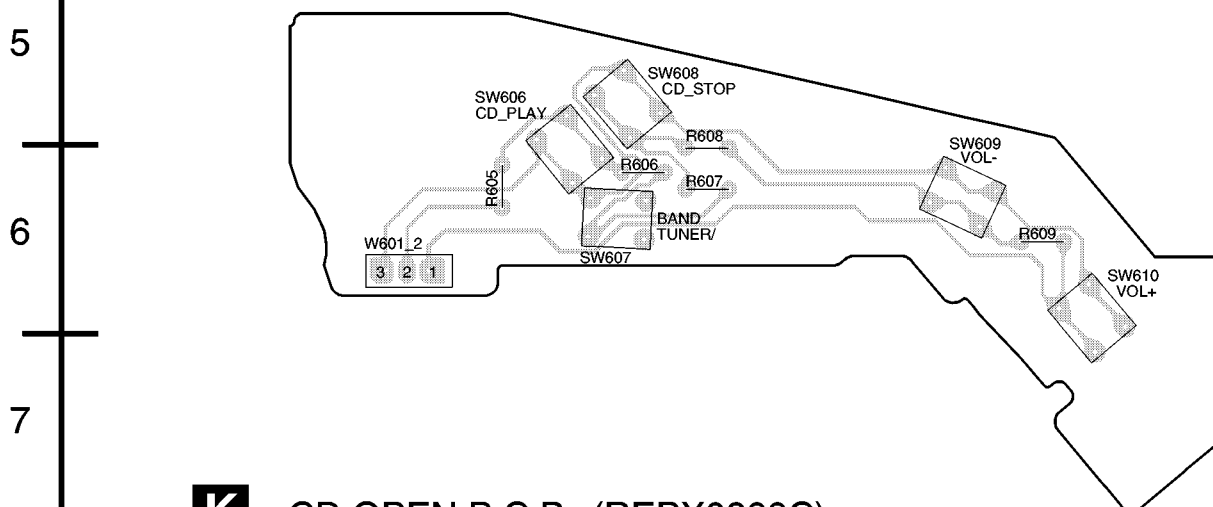




I TUNER P.C.B. (REPX0298C)



A B C D E F G

1 **D** SWITCH (1) P.C.B. (REPX0298C)5 **E** SWITCH (2) P.C.B. (REPX0298C)8 **K** CD OPEN P.C.B. (REPX0298C)

A B C D E F G

1

F POWER P.C.B. (REPX0299C)

2

3

4

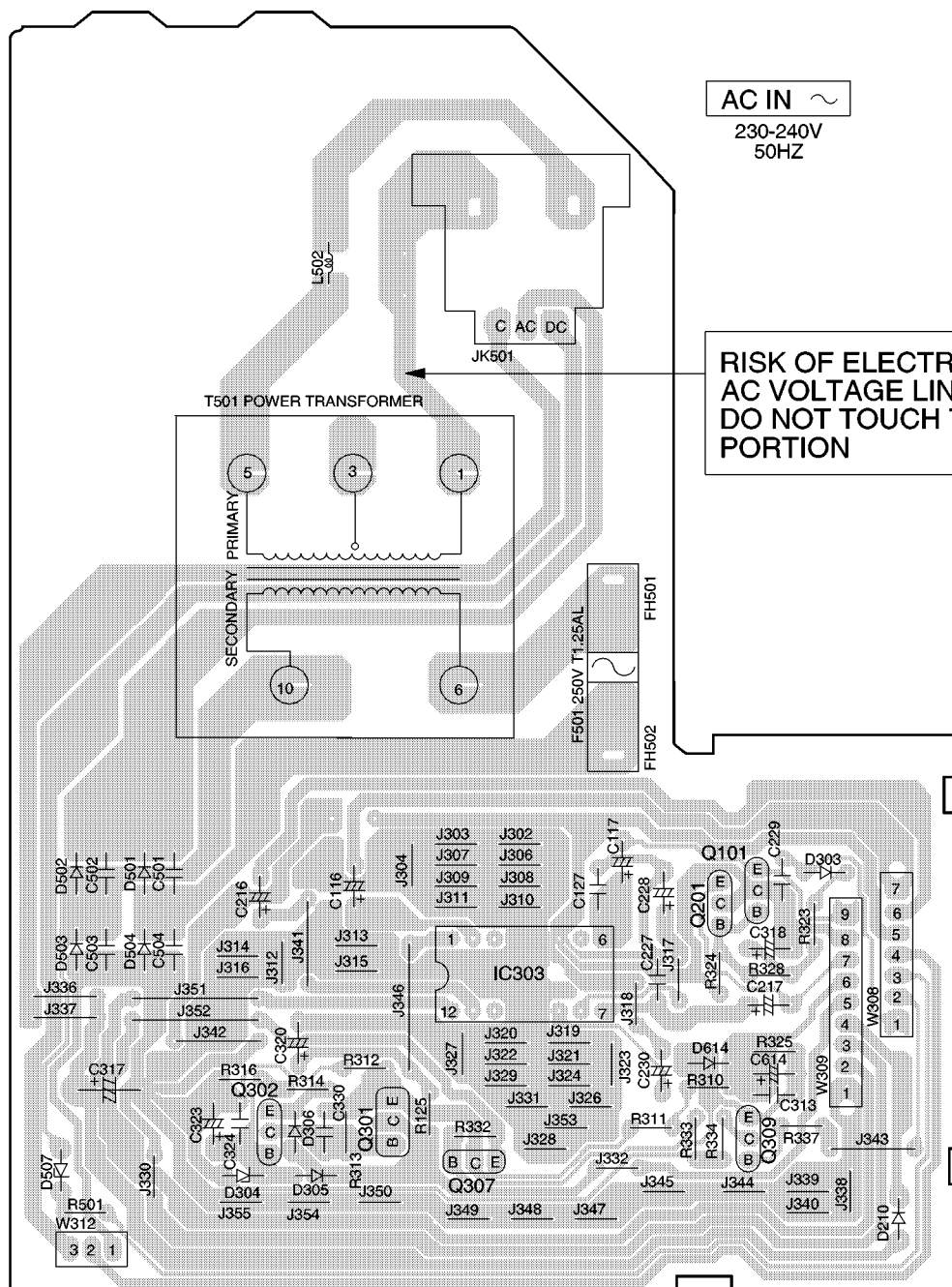
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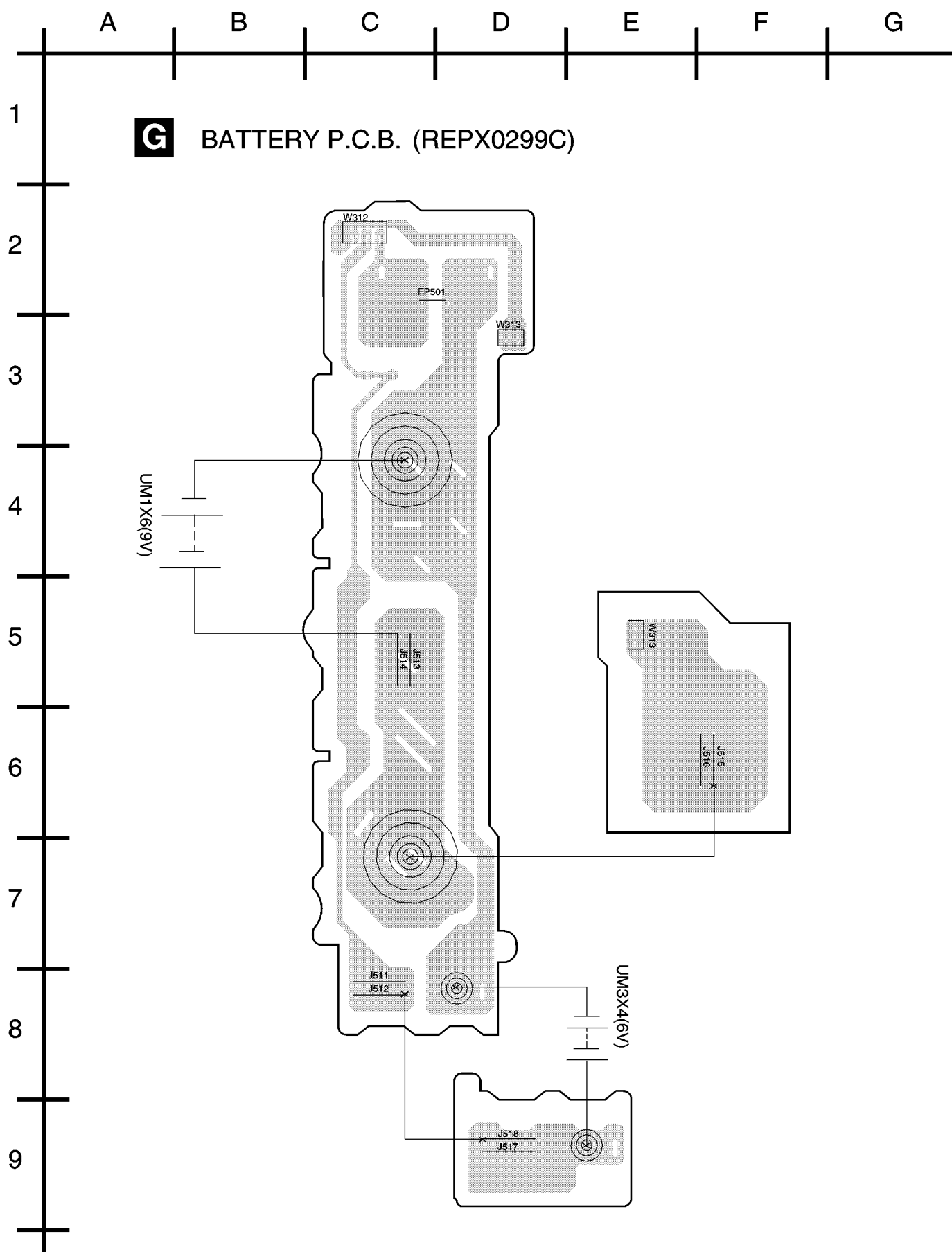
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7

8

9





A B C D E F G

1

J DECK P.C.B. (REPX0299C)

2

3

4

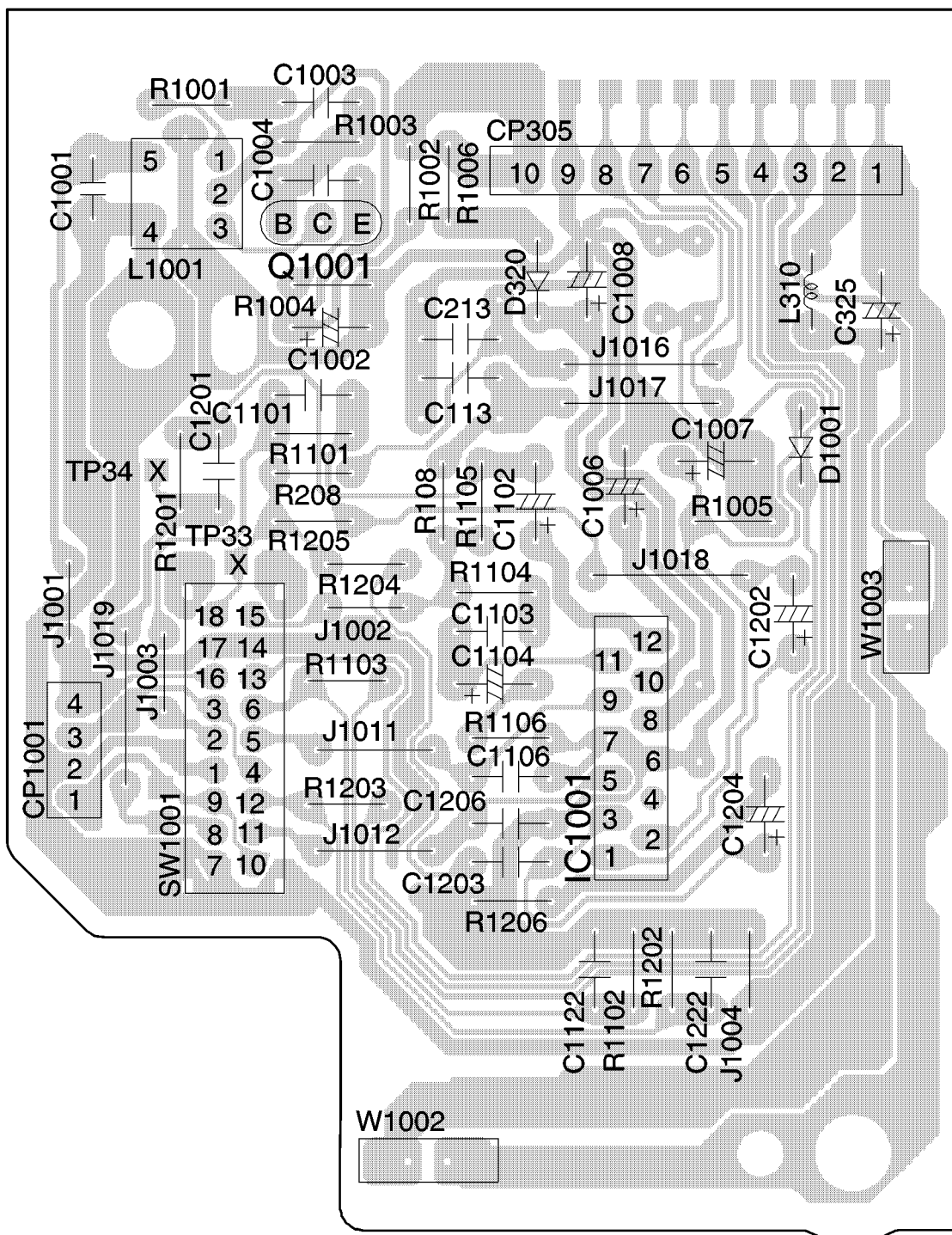
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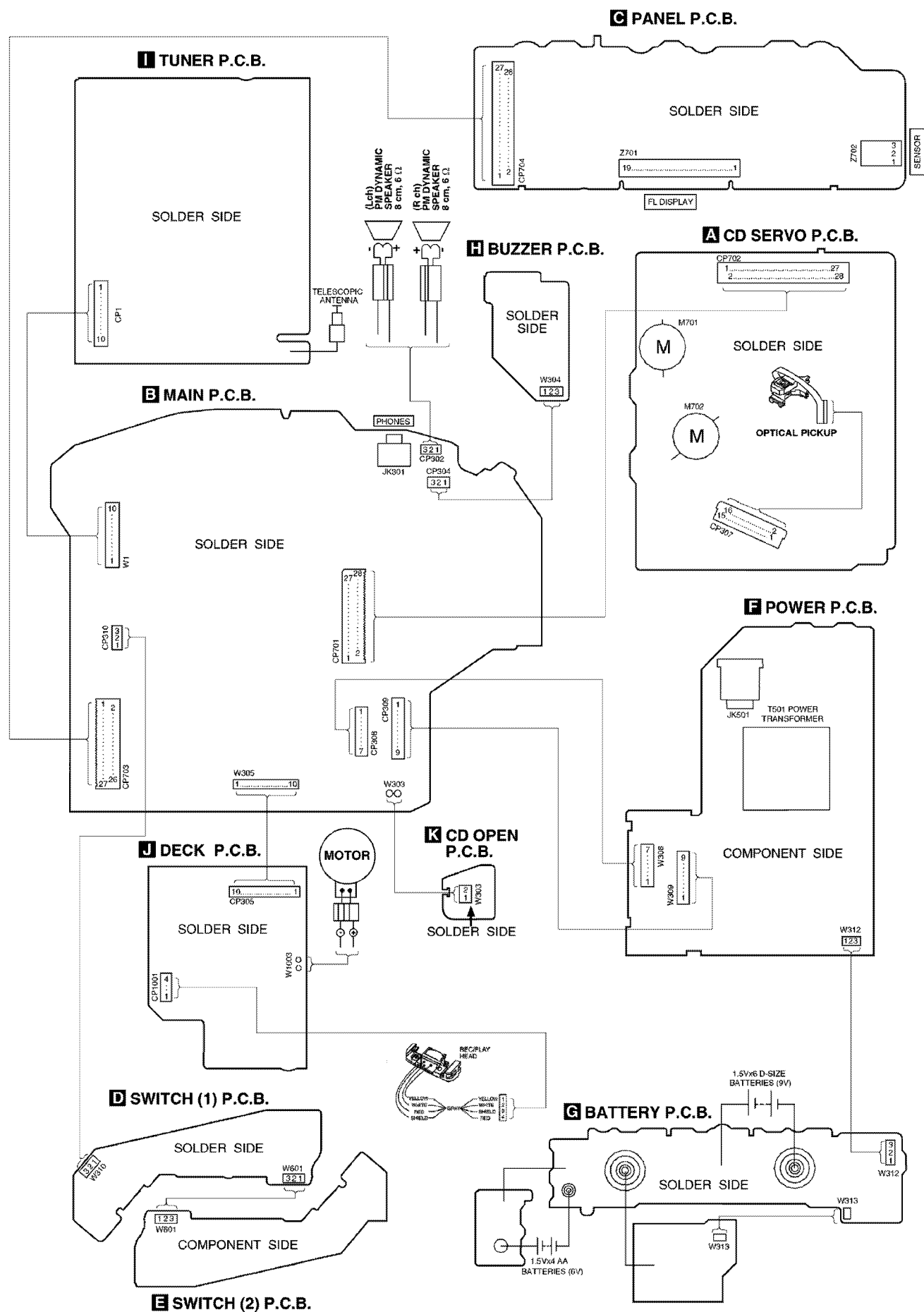
7

8

9



12 Wiring Connection Diagram



13 Measurements and Adjustments

13.1. Tuner Section

READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

1. Set volume control to maximum.
2. Set power source voltage to 12V.
3. Output of signal generator should be no higher than necessary to obtain an output reading.

NOTE: NO FM IF and FM stereo alignment is necessary as Tuner IC is used.

I AM-RF ALIGNMENT

Signal Generator or Sweep Generator		Radio Dial Setting	Indicator (Electronic Voltmeter or Oscilloscope)	Adjustment (Shown in Fig.1)	Remarks
Connections	Frequency				
Fashion a loop of several turns of wire and radiate signal into loop of receiver.	540 kHz	Point of non-interference.(on/ about 600kHz)	Headphone Jack (32Ω) Fabricate the plug as shown in Fig.2 and then connect the lead wires of the plug to the measuring instrument.	[*1] L3 (AM ANT Coil)	Adjust for maximum output.
Fashion a loop of several turns of wire and radiate signal into loop of receiver.	522 kHz	Point of non-interference.(on/ about 600kHz)	Headphone Jack (32Ω) Fabricate the plug as shown in Fig.2 and then connect the lead wires of the plug to the measuring instrument.	L6 (AM OSC Coil)	Adjust for maximum output.
Fashion a loop of several turns of wire and radiate signal into loop of receiver.	1404 kHz	Point of non-interference.(on/ about 600kHz)	Headphone Jack (32Ω) Fabricate the plug as shown in Fig.2 and then connect the lead wires of the plug to the measuring instrument.	CT1 (AM ANT Trimmer)	Adjust for maximum output.

[*1] Fix antenna coil with wax after completing alignment.

I FM-RF ALIGNMENT

Signal Generator or Sweep Generator		Radio Dial Setting	Indicator (Electronic Voltmeter or Oscilloscope)	Adjustment (Shown in Fig.1)	Remarks
Connections	Frequency				
Fashion a loop of several turns of wire and radiate signal into loop of receiver.	87.5 MHz	Point of non-interference.(on/ about 600kHz)	Headphone Jack (32Ω) Fabricate the plug as shown in Fig.2 and then connect the lead wires of the plug to the measuring instrument.	[*1] L4 (FM ANT Coil)	Adjust for maximum output.

[*1] Fix antenna coil with wax after completing alignment.

13.2. Deck Section

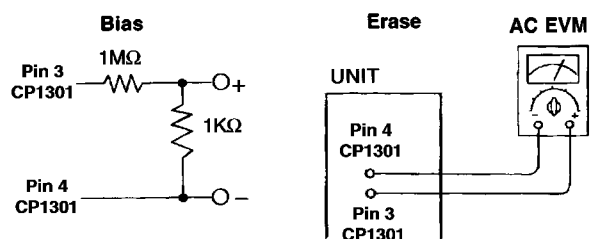
I TAPE SPEED ALIGNMENT

Test Tape	Equipment Connection Electronic Counter	Adjustment	Specification	Remarks
C-WAT (3 kHz, -10 dB)	Headphone Jack (32Ω) Fabricate the plug as shown in Fig.2 and then connect the lead wires of the plug to the measuring instrument.	-	3000 ± 60 Hz	Play mode

I BIAS AND ERASE VOLTAGE CHECK

1. Set the unit to TUNER mode.
2. Insert the Normal blank tape (QZZCRA) into DECK and set the unit to "REC" mode (use "1 REC/STOP" key).
3. Measure and make sure that the output is within the standard value.
4. Insert the CrO2 tape (QZZCRX).
5. Repeat steps 2 and 3.

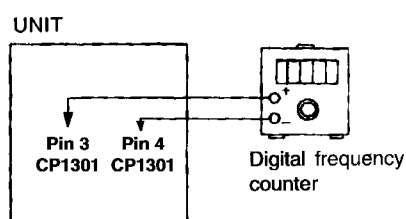
Bias voltage for Deck (Standard value) : 14.0 ± 2 mV



I BIAS FREQUENCY ADJUSTMENT (DECK)

1. Set the unit to TUNER mode.
2. Insert the Normal blank tape (QZZCRA) into DECK and set the unit to "REC" mode (use "1 REC/STOP" key).
3. Adjust L1301 so that the output frequency is within the standard value.

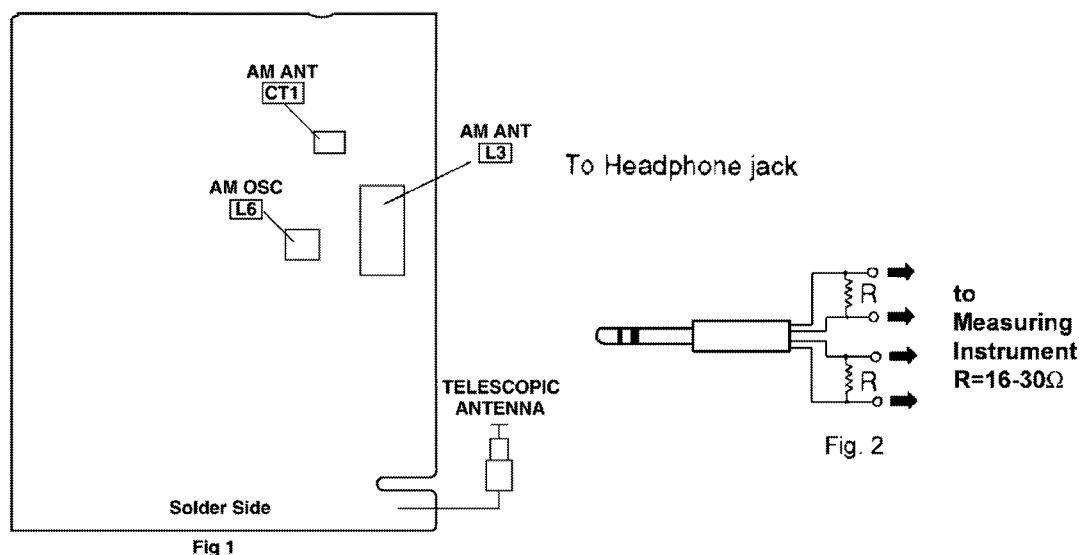
Standard Value : 54 kHz $\pm$ 7 kHz



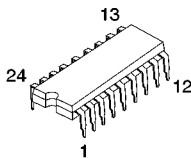
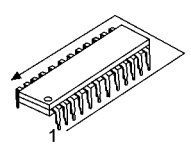
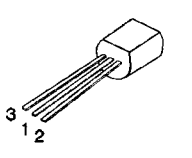
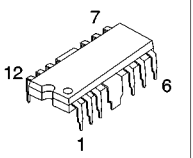
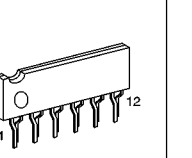
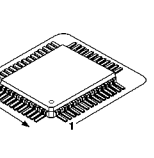
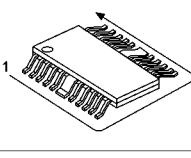
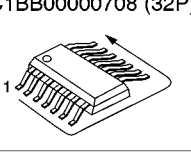
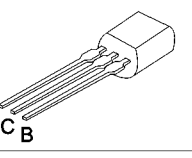
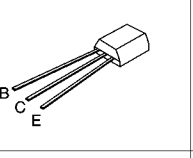
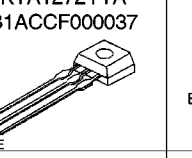
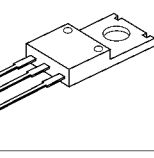
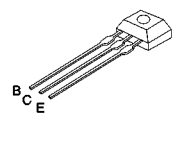
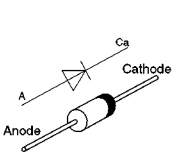
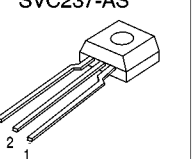
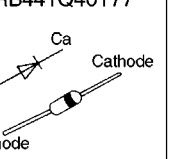
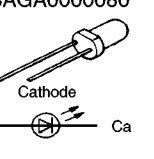
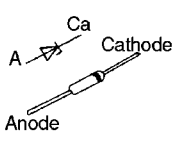
13.3. CD Section

* This description is due to be issued by supplement.

13.4. Alignment Points



14 Type Illustrations of ICs, Transistors & Diodes

TA2149N 	LC72121T (22P) 	S81233SGUP PST9127T 	C0AAAA000035 	BA3313L (12P) 	C2GBA0000044 (100P) 
C0GBY0000019 (26P) 	BU4066BCF (14P) C1BB00000717 (24P) C1BB00000708 (32P) 	2SD1450STA KTA12710YTA 	KTA1281YTA 	KTC3199GRTA KTC3199BLTA KTA1272YTA B1ACCF000037 	KTA1046 
KRC102MTA KRC104MTA KRC107MTA KRC110MTA KRA103MTA 	RL1N4003S-P 	SVC384T-AL SVC237-AS 	B0AACK000004 RB441Q40T77 	B3ACA0000205 B3AGA0000080 	
B0BA6R200012 B0BA7R000005 B0BA6R100003 MTZJ3R3BTA 					

15 Terminal Functions of ICs

• IC301 (C1BB00000717) Sound

Pin No.	Mark	I/O	Function
1	VIN1	I	1 ch volume input terminal
2	VIN2	I	2 ch volume input terminal
3	SEL2	O	2 ch input selector output terminal
4	SEL1	O	1 ch input selector output terminal
5	A1	I	1 ch input terminal A
6	A2	I	2 ch input terminal A
7	B1	I	1 ch input terminal B
8	B2	I	2 ch input terminal B
9	C1	I	1 ch input terminal C
10	C2	I	2 ch input terminal C
11	FILTER	—	1/2 VCC terminal
12	GND	—	Grounding terminal
13	SC	I	serial clock input terminal
14	SI	I	serial data input terminal
15	VCC	—	Power supply terminal
16	OUT2	O	2 ch output terminal
17	OUT1	O	1 ch output terminal
18	BOUT1	I	1 ch bass filter setting terminal
19	BNF1	I	1 ch bass filter setting terminal
20	BOUT2	I	2 ch bass filter setting terminal
21	BNF2	I	2 ch bass filter setting terminal
22	TNF2	I	2 ch treble filter setting terminal
23	TNF1	I	2 ch treble filter setting terminal
24	CAP	I	N.C.

• IC701 (C1BB00000708) RF Amplifier

Pin No.	Mark	I/O	Function
1	RFNRW	I	RF summing amplifier return input pin for CD-RW mode
2	RFN	I	RF summing amplifier return input pin for CD mode
3	LON	O	LOOP ON voltage output pin
4	GSW	—	CD-RW gain switching pin
5	AC	I	A+C input pin
6	BD	I	B+D input pin
7	VB	O	Bias amplifier output pin
8	FE'	I	Focus bias input pin
9	GND	—	GND pin
10	E	I	E input pin
11	F	I	F input pin
12	LD	O	APC amplifier output pin Capacitor connection pin for APC phase compensation
13	PD	I	APC amplifier input pin
14	TB	I	Tracking error bias input pin
15	SC	—	Scratch depth adjustment R connection pin
16	R/H	—	Capacitor connection pin for lamp wave/loop off
17	FON	—	Focus on control pin
18	FOK	O	Focus OK comparator pin
19	TE-	I	Tracking error I-V amplifier return input pin
20	TE	O	tracking error output pin
21	FE-	I	Focus error amplifier return input pin
22	FE	O	Focus error output pin
23	DEFECT	O	Defect signal output pin
24	MIRR	O	Mirror signal output pin
25	VCC	—	Power supply pin
26	EFM	O	EFM signal output pin
27	ASY	I	Auto asymmetry control input pin
28	BLH	—	Capacitor connector pin for bottom long hold
29	PLH	—	Capacitor connector pin for peak long hold

Pin No.	Mark	I/O	Function
30	CAGC	—	Capacitor connector pin for AGC time constant
31	RFI	I	RF output capacity connection re-input pin
32	RFO	O	RF summing amplifier output pin

• IC702 (C2GBA0000044) Micro-P

Pin No.	Mark	I/O	Function
1	FDOUT	O	Focus drive output
2	JUMPO	O	Tracking jump output
3	TDOUT	O	Tracking drive output
4	SDIN	I	Sled filter input
5	SDOUT	O	Sled drive output
6	CLVOUT	O	CLV drive output
7	AVDD	—	Analog power supply (DF-DAC section)
8	LOUT	O	Audio Lch output
9	VC	I	1-bit DAC reference voltage
10	ROUT	O	Audio Rch output
11	AGND	—	Analog GND (DF-DAC section)
12	DGND	—	Digital GND
13	ADC4	I	Analog input/digital input
14	ADC3	I	Analog input/digital input
15	ADC2	I	Analog input/digital input
16	ADC1	I	Analog input/digital input
17	ADC0	I	Analog input/digital input
18	DVDD	—	Digital power supply
19	PWM	O	8-bit PWM output
20	PIO16/SCK0	I/O	PIO port/serial communication clock
21	PIO15/SIO0	I/O	PIO port/serial I/O port
22	PIO14/SIN0	I/O	PIO port/serial input port
23	PIO13/RCR	I/O	PIO port/remote control reception clock
24	PIO12/SCK1	I/O	PIO port/serial communication clock
25	PIO11/SIO1	I/O	PIO port/serial I/O port
26	PIO10/SIN1	I/O	PIO port/serial input port
27	TEST0	I	Test mode setting pin (Usually, this pin is open, and has a built-in P/D resistance.)
28	PIO07	I/O	PIO port
29	PIO06	I/O	PIO port
30	PIO05	I/O	PIO port
31	PIO04	I/O	PIO port
32	PIO03	I/O	PIO port
33	PIO02	I/O	PIO port
34	PIO01	I/O	PIO port
35	PIO00	I/O	PIO port
36	TEST2	I	Test mode setting pin (Usually, this pin is open, and has a built-in P/D resistance.)
37	SEG26	I/O	LCD segment output / PIO port
38	SEG25	I/O	LCD segment output / PIO port
39	SEG24	I/O	LCD segment output / PIO port
40	SEG23	I/O	LCD segment output / PIO port
41	SEG22	I/O	LCD segment output / PIO port
42	SEG21	I/O	LCD segment output / PIO port
43	SEG20	I/O	LCD segment output / PIO port
44	SEG19	I/O	LCD segment output / PIO port
45	SEG18	I/O	LCD segment output / PIO port
46	SEG17	I/O	LCD segment output / PIO port
47	SEG16	I/O	LCD segment output / PIO port
48	SEG15	I/O	LCD segment output / PIO port
49	SEG14	I/O	LCD segment output / PIO port
50	SEG13	I/O	LCD segment output / PIO port
51	SEG12	I/O	LCD segment output / PIO port
52	SEG11	I/O	LCD segment output / PIO port
53	SEG10	I/O	LCD segment output / PIO port

Pin No.	Mark	I/O	Function
54	SEG9	I/O	LCD segment output / PIO port
55	SEG8	I/O	LCD segment output / PIO port
56	SEG7	I/O	LCD segment output / PIO port
57	SEG6	I/O	LCD segment output / PIO port
58	SEG5	I/O	LCD segment output / PIO port
59	SEG4	I/O	LCD segment output / PIO port
60	SEG3	I/O	LCD segment output / PIO port
61	SEG2	I/O	LCD segment output / PIO port
62	SEG1	I/O	LCD segment output / PIO port
63	SEG0	I/O	LCD segment output / PIO port
64	COM3	I/O	LCD common output / PIO port
65	COM2	I/O	LCD common output / PIO port
66	COM1	I/O	LCD common output / PIO port
67	COM0	I/O	LCD common output / PIO port
68	DIGIOUT	O	Digital audio interface
69	DGND	—	Digital GND
70	XIN75	I	75kHz clock input
71	XOUT75	O	75kHz clock output
72	TEST1	I	Test mode setting pin (Usually, this pin is open, and has a built-in P/D resistance.)
73	RESETB	I	Reset input (negation)
74	DVDD	—	Digital power supply
75	XIN16M	I	16.9MHz clock input
76	XOUT16M	O	16.9MHz clock output
77	DGND	—	Digital GND
78	ASY	O	EFM digital output
79	EYE	I	EFM signal input
80	MIRR	I	Mirror signal input
81	DEFECT	I	DEFECT signal input
82	AVDD	—	Analog power supply(DSP analog section)
83	FCO	O	PLL FCO DAC output
84	PCO	O	PLL PCO output
85	VC	I	Servo reference
86	ADPFI	I	PLL OP amplifier negative input
87	ADPFO	O	PLL OP amplifier output
88	AGND	—	Analog GND (DSP analog section)
89	RVCO	I	Pin with VCO oscillation frequency setting resistance
90	FOK	I	Focus OK input
91	FEIN	I	Tracking error input
92	FCAP	O	Focus LPF capacitor connection
93	FON	O	Focus ON output
94	TEIN	I	Tracking error input
95	ATS	I	Anti-shock input
96	TZC	I	Tracking zero cross input
97	TCAP	O	Tracking LPF capacitor connector
98	COMPC	O	Error measurement values for various adjustments, Analog output
99	ADJ1	I	Tracking balance, Gain adjustment input
100	ADJ2	I	Tracking gain balance, Gain adjustment LPF connection

Pin No.	Mark	I/O	Function
12	VO2(-)	O	Driver CH2(SPDL) inverted output
13	VO2(+)	O	Driver CH2(SPDL) noninverted output
14	VO3(-)	O	Driver CH3(TRK) inverted output
15	VO3(+)	O	Driver CH3(TRK) noninverted output
16	VO4(-)	O	Driver CH4(FCS) inverted output
17	VO4(+)	O	Driver CH4(FCS) noninverted output
18	PVCC2	—	PVCC2(CH2, CH3, CH4)
19	GND	—	GND(CH2, CH3, CH4)
20	N.C.	—	N.C.
21	N.C.	—	N.C.
22	VCC	—	VCC
23	BIAS	I	Bias amplifier input
24	VIN4	I	Driver CH4(FCS) input
25	VIN3	I	Driver CH3(TRK) input

• IC703 (C0GBY0000019) Servo

Pin No.	Mark	I/O	Function
1	VIN2	I	Driver CH2(SPDL) input
2	MUTE1,2	I	Driver mute control input(CH1,2)
3	VIN1	I	Driver CH1(TRV) input
4	MUTE	I	Driver mute control input (All CH)
5	N.C.	—	N.C.
6	N.C.	—	N.C.
7	N.C.	I	N.C.
8	GND	—	GND(CH1)
9	PVCC1	—	PVCC1(CH1)
10	VO1(-)	O	Driver CH1(TRV) inverted output
11	VO1(+)	O	Driver CH1(TRV) noninverted output

16 Parts Location and Replacement Parts List

Notes:

- Important safety notice:

Components identified by Δ mark have special characteristics important for safety.

Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.

When replacing any of these components, be sure to use only manufacturers's specified parts shown in the parts list.

- The parenthesized indications in the Remarks column specify the areas or color. (Refer to the cover page for area or color.)

Parts without these indications can be used for all areas.

- Warning: This product uses a laser diode. Refer to caution statements on "Precaution of Laser Diode".

ACHTUNG:

Die Lasereinheit nicht zerlegen.

Die Lasereinheit darf nur gegen eine vom Hersteller spezifizierte Einheit ausgetauscht werden.

- Capacitor values are in microfarad (μF) unless specified otherwise, P=Pico-farads(pF); Farads.

- Resistance values are in ohms, unless specified otherwise, 1K=1,000(ohms).

- The marking (RTL) indicates that the Retention Time is limited for this item. After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependant on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

- [M] indicates in the Remarks columns indicates parts that are supplied by **MESA**.

- The "(SF)" mark denotes the standard part.

- Reference for O/I book languages are as follows :

Ar : Arabic

Du : Dutch

It : Italian

Sp : Spanish

Cf : Canadian French

En : English

Ko : Korean

Sw : Swedish

Cz : Czech

Fr : French

Po : Polish

Co : Traditional Chinese

Da : Danish

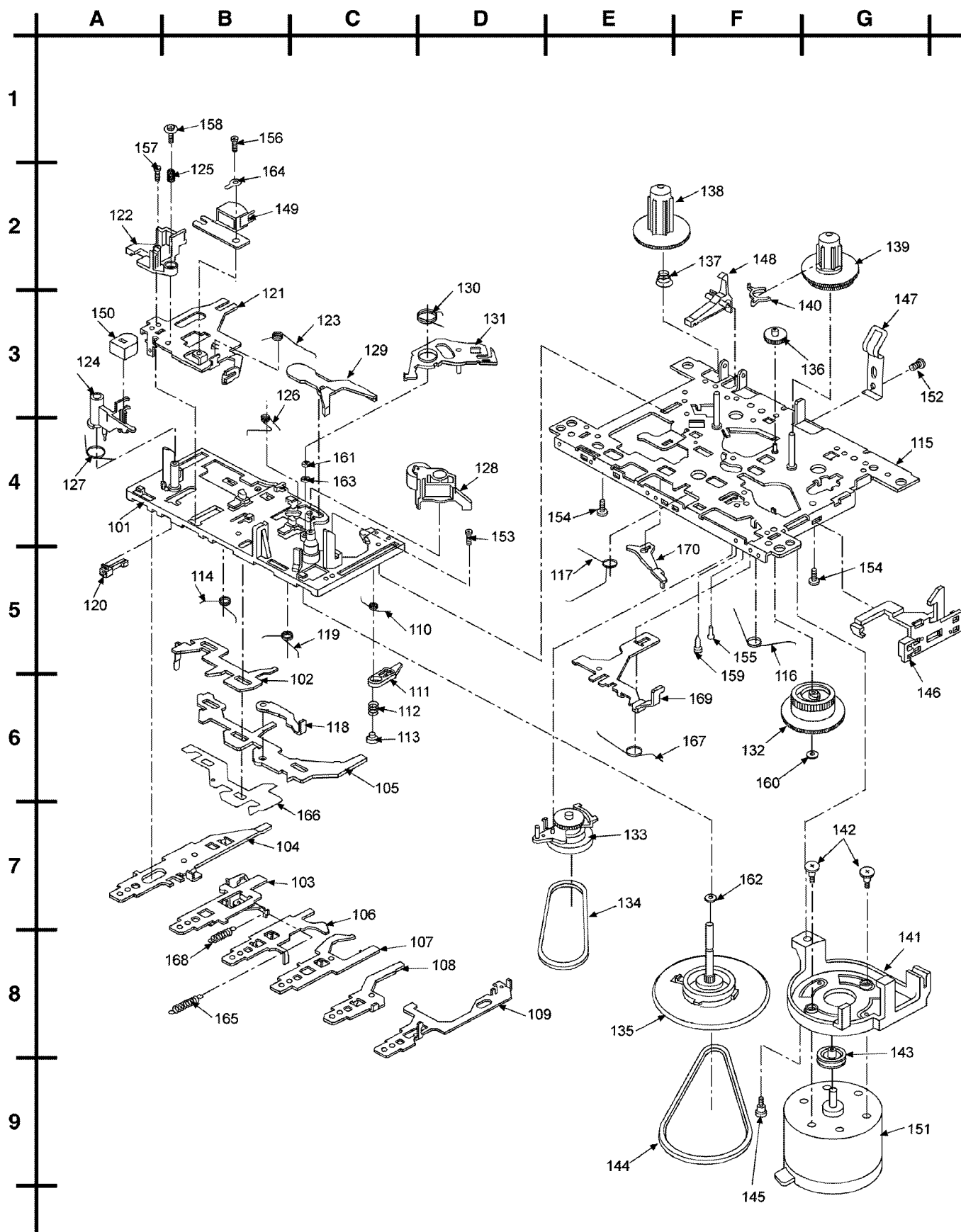
Ge : German

Ru : Russian

Cn : Simplified Chinese

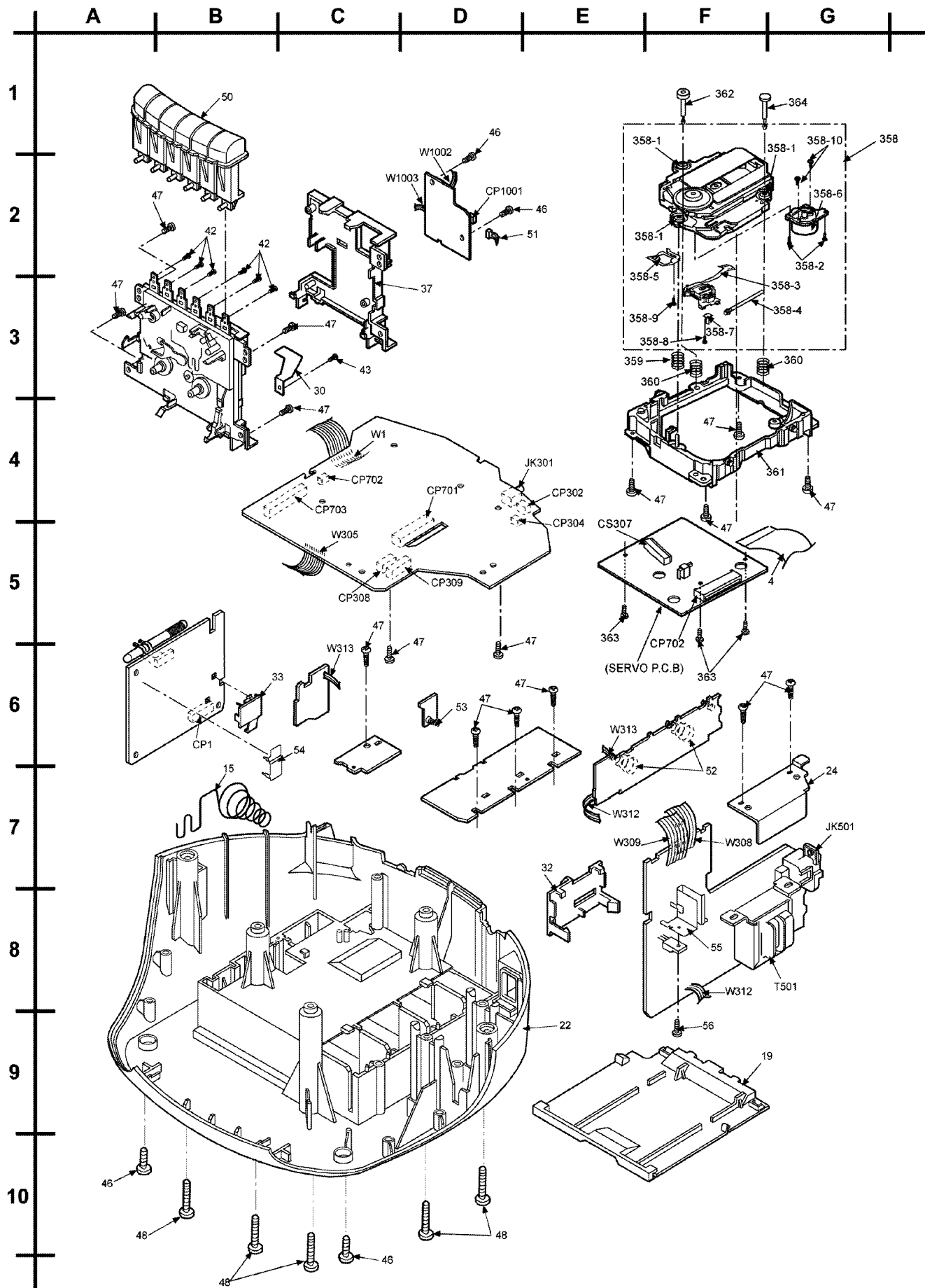
16.1. Deck Mechanism (RAA4601-Z)

16.1.1. Deck Mechanism Parts Location



16.1.2. Deck Mechansim Part Lists

Ref. No.	Part No.	Part Name & Description	Remarks
		CASSETTE DECK	
101	RVD0001	BASE ASS'Y	[M]
102	RFY905ZA	SWITCH ACTUATOR	[M]
103	RFY881ZA	PUSH BUTTON ACTUATOR	[M]
104	RFY896ZA	REC BUTTON LEVER	[M]
105	RUM0004	PLAY BUTTON LEVER AS	[M]
106	RUM0005	REW BUTTON LEVER	[M]
107	RUM0006	FF BUTTON LEVER	[M]
108	RFY899ZA	STOP BUTTON LEVER	[M]
109	RFY952ZA	PAUSE BUTTON LEVER	[M]
110	RFS837ZA	P CONTROL SPRING	[M]
111	RFS829ZA	PAUSE LEVER	[M]
112	RFS813ZA	PAUSE LEVER SPRING	[M]
113	RFX174ZA	PAUSE STOPPER	[M]
114	RUK0002	BUTTON LEVER SPRING	[M]
115	RFU159ZA	CHASSIS ASS'Y	[M]
116	RFS815ZA	E ACTUATOR SPRING	[M]
117	RUK0003	REC BUTTON LEVER SPR	[M]
118	RUM0007	E KICK LEVER	[M]
119	RUK0004	BUTTON LEVER SPRING	[M]
120	RFA91ZA	LEAF SWITCH	[M]
121	RFU156ZA	HEAD PANEL	[M]
122	RFU168ZA	HEAD BASE	[M]
123	RFS845ZA	PINCH ROLLER SPRING	[M]
124	RFY926ZA	MG ARM	[M]
125	RFS447ZA	AZIMUTH SPRING	[M]
126	RUK0005	M CONTROL SPRING	[M]
127	RFS821ZA	MG ARM SPRING	[M]
128	RYJ0001	PINCH ROLLER ARM ASS	[M]
129	RUM0008	SENSING LEVER	[M]
130	RFS822ZA	GEAR PLATE SPRING	[M]
131	RFY874ZA	GEAR PLATE ASS'Y	[M]
132	RFG136ZA	CAM GEAR	[M]
133	RFQ60ZA	RF CLUTCH ASS'Y	[M]
134	RUA0004	RF BELT	[M]
135	RUC0002	FLYWEEL ASS'Y	[M]
136	RFG110ZA	FF GEAR	[M]
137	RUK0006	BACK TENSION SPRING	[M]
138	RUZ0001	S REEL SPRING	[M]
139	RUF0002	TAKE UP REEL ASS'Y	[M]
140	RUZ0002	SENSOR	[M]
141	RUB0001	MOTOR BRACKET	[M]
142	RFE499ZA	SCREW	[M]
143	RUG0001	MOTOR PULLEY	[M]
144	RUA0005	MAIN BELT	[M]
145	RFE511ZA	MB SCREW	[M]
146	RFY889ZA	EJECT SLIDE LEVER	[M]
147	RFS467ZA	PACK SPRING	[M]
148	RUM0009	RECORD SAFETY LEVER	[M]
149	RUE0002	RP HEAD	[M]
150	RUE0003	E HEAD	[M]
151	RVB0002	MOTOR	[M]
152	RUP0001	SCREW	[M]
153	RUP0002	SCREW	[M]
154	RUP0003	SCREW	[M]
155	RUP0004	SCREW	[M]
156	RUP0005	SCREW	[M]
157	RUP0006	SCREW	[M]
158	RUP0007	SCREW	[M]
159	RUP0008	SCREW	[M]
160	RUH0001	P WASHER	[M]
161	RUH0002	P WASHER	[M]
162	RUH0003	P WASHER	[M]
163	RUH0004	P WASHER	[M]
164	RUZ0003	LUG BORD	[M]
165	RUK0008	LIFT UP SPRING	[M]
166	RUZ0004	T.P.S. ACTUATOR	[M]
167	RFY896ZA	RC SLIDE LEVER SPRIN	[M]
168	RUK0007	RC SPRING	[M]
169	RFY883ZA	RC SLIDE LEVER	[M]
170	RFY880ZA	RC LEVER	[M]



16.2.2. Cabinet & CD Loading Mechanism Parts List

Ref. No.	Part No.	Part Name & Description	Remarks
		CABINET AND CHASSIS	
1	L0AA07A00004	SPEAKER	[M]
2	RDG0288	DAMPER GEAR	[M]
3	REEX0169	PANEL FFC WIRE (26 P)	[M]
4	REEX0161	CD FFC WIRE (28 PIN)	[M]
5	REXX0281	SPEAKER WIRE	[M]
6	RGKX0109A-G	FRONT ORNAMENT	[M] S
6	RGKX0109A-A	FRONT ORNAMENT	[M] A
7	RGKX0110-G	TOP ORNAMENT	[M] S
7	RGKX0110-A	TOP ORNAMENT	[M] A
8	RGKX0111-G	CASSETTE LID ORNAMENT	[M] S
8	RGKX0111-A	CASSETTE LID ORNAMENT	[M] A
9	RGKX0112-S	CD LID	[M]
10	RGKX0113-G	CD LID ORNAMENT	[M] S
10	RGKX0113-A	CD LID ORNAMENT	[M] A
11	RGLX0048	DIFFUSION SHEET	[M]
12	RGUX0436-S	OPTN. BTN. (L)	[M]
13	RGUX0437-S	OPTN. BTN. (R)	[M]
14	RHDX20001-S	ORNAMENT SCREW	[M]
15	RJCX0007	BATTERY TERMINAL	[M]
16	RJRX0010	ANT. TERMINAL	[M]
17	RKFX0095A-S	CASSETTE LID	[M] S
17	RKFX0095-S	CASSETTE LID	[M] A
18	RKHX0017-S	HANDLE	[M]
19	RKKX0006-H	BATTERY COVER	[M]
20	RFKGDX1EB-S	FRONT CABINET ASS'Y	[M] S
20	RFKGDX1PC-A	FRONT CABINET ASS'Y	[M] A
21	RKMX0070A-S	UPPER CABINET	[M]
22	RFKJDX1EB-A	BOTTOM CABINET ASS'Y	[M] EB
22	RKSX0045B-S	BOTTOM CABINET	[M] E
22	RKSX0045C-S	BOTTOM CABINET	[M] EG
23	RKWX0172-S	REMOTE SENSOR PANEL	[M]
24	RMAX0050	TRANSFORMER SHIELD P	[M]
25	RMAX0051	SPEAKER BRACKET (A)	[M]
26	RMAX0052	SPEAKER BRACKET (B)	[M]
27	RMEX0017	CASSETTE OPEN SPRING	[M]
28	RMEX0018	CD OPEN SPRING	[M]
29	RMKW0003	DAMPER GEAR HOLDER	[M]
30	RMLX0016	CASS. REC LEVER	[M]
31	RMNX0068-W	LCD HOLDER	[M]
32	RMNX0069	POWER PCB CHASSIS	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
33	RMNX0070	TUNER PCB CHASSIS	[M]
37	RMNX0071	CASSETTE MECHA CHASS	[M]
38	RPKX0025	LIGHTING PIECE	[M]
39	RSPLA026-Q	INTERLOCK SW.	[M]
40	RFXKXDT39GCK	CD HOLDER ASS'Y	[M]
41	XEARR175EA-C	ROD ANTENNA	[M]
42	XTN1.6+6F	SCREW (MECHA BUTTON)	[M]
43	XTN2+3F	SCREW	[M]
44	XTN3+12GFZ	SCREW (TOP CAB)	[M]
45	XTBS26+10J	SCREW	[M]
46	XTV3+10G	SCREW (SPEAKER)	[M]
47	XTV3+12G	SCREW	[M]
48	XTV3+20G	REAR CAB SCREW	[M]
49	XYN3+FI5FY	SCREW	[M]
50	RGZX0037-G	MECHA BUTTON	[M] S
50	RGZX0037-A	MECHA BUTTON	[M] A
51	REXX0141-J	HEAD WIRE	[M]
52	RJCS11XB	BATT. SPRING	[M]
53	RJC70031ZC	BATT. SPRING	[M]
54	RMVX0062	TUNER SHIELD PLATE	[M]
55	RMVX0059	HEAT SINK	[M]
56	XTV3+6F	SCREW	[M]
		TRAVERSE DECK	
358	RAE0152Z-1C	TRAVERSE	[M]
358-1	SHGD113-1	FLOATING CUSHION	[M]
358-10	XQS17+A35FZ	SCREW	[M]
358-2	SNSD38	TRV MOTOR ASS'Y SCRE	[M]
358-3	RAF0150A-1	OPTICAL PICKUP	[M]
358-4	RDG0247	DRIVE GEAR	[M]
358-5	RDG0248	INTERMEDIATE GEAR	[M]
358-6	RXQ0339	TRAVERSE MOTOR ASS'Y	[M]
358-7	RXQ0304-1	PLATE NUT ASS'Y	[M]
358-8	XQN17+CG5	NUT PLATE ASS'Y SCRE	[M]
358-9	XQS2+A3FZ	SCREW	[M]
359	RME0142	FLOATING SPRING A	[M]
360	RME0109	FLOATING SPRING B	[M]
361	RMR0698-K1	TRAVERSE CHASSIS	[M]
362	RMS0627	FIXED PIN B	[M]
363	XTN2+6G	SCREW	[M]
364	RMS0350	FIXED PIN A	[M]

16.3. Components Parts List

Ref. No.	Part No.	Part Name & Description	Remarks
		P.C.B.	
	REPX0298C	MAIN / SWITCH (1) / SWITCH (2) / BUZZER / TUNER / CD OPEN P.C.B.	[M] RTL
	REPX0299C	CD SERVO / PANEL / POWER / BATTERY / DECK P.C.B.	[M] RTL
		INTEGRATED CIRCUITS	
IC1	TA2149N	IC TUNER	[M]
IC2	LC72121T	IC PLL	[M]
IC301	C1BB00000717	IC SOUND	[M]
IC302	S81233SGUP	IC 3.3V REG	[M] △
IC303	C0AAAA000035	IC POWER AMP	[M]
IC701	C1BB00000708	IC RF AMP	[M]
IC702	C2GBA0000044	IC MICRO-P	[M]
IC703	C0GBY0000019	IC SERVO	[M]
IC705	BU4066BCF	IC ANALOG SW	[M]
IC802	PST9127T	IC RESET	[M]
IC1001	BA3313L	IC PRE AMP	[M]
BZ801	L0DCCA000002	BUZZER	[M]
		TRANSISTORS	
Q1	KRC102MTA	TRANSISTOR	[M]
Q101	2SD1450STA	TRANSISTOR	[M] S
Q101	2SD1450STA	TRANSISTOR	[M] A
Q201	2SD1450STA	TRANSISTOR	[M] S
Q201	2SD1450STA	TRANSISTOR	[M] A
Q210	KTC3199GRTA	TRANSISTOR	[M]
Q301	KTA1046	TRANSISTOR	[M]
Q302	KTC3199GRTA	TRANSISTOR	[M] △
Q303	KTA12710YTA	TRANSISTOR	[M]
Q304	KTC3199GRTA	TRANSISTOR	[M]
Q305	KTA12710YTA	TRANSISTOR	[M]
Q306	KTC3199GRTA	TRANSISTOR	[M]
Q307	KTA1281YTA	TRANSISTOR	[M]
Q308	KRC104MTA	TRANSISTOR	[M]
Q309	KRC107MTA	TRANSISTOR	[M]
Q310	KTA12710YTA	TRANSISTOR	[M]
Q312	KRC107MTA	TRANSISTOR	[M]
Q314	KRA103MTA	TRANSISTOR	[M]
Q315	KRC107MTA	TRANSISTOR	[M]
Q702	KTC3199GRTA	TRANSISTOR	[M]
Q705	KTA1272YTA	TRANSISTOR	[M]
Q706	KRC110MTA	TRANSISTOR	[M]
Q707	BlACCF000037	TRANSISTOR	[M]
Q708	BlACCF000037	TRANSISTOR	[M]
Q711	KTC3199GRTA	TRANSISTOR	[M]
Q712	KTA12710YTA	TRANSISTOR	[M]
Q802	KTC3199GRTA	TRANSISTOR	[M]
Q804	KTC3199GRTA	TRANSISTOR	[M]
Q805	KTC3199GRTA	TRANSISTOR	[M]
Q1001	KTC3199BLTA	TRANSISTOR	[M]
		DIODES	
D1	SVC384T-AL	DIODE	[M]
D2	SVC237-AS	DIODE	[M]
D3	SVC237-AS	DIODE	[M]
D210	RLIN4003S-P	DIODE	[M]
D302	B0AACK000004	DIODE	[M]
D303	B0AACK000004	DIODE	[M]
D304	B0BA7R000005	DIODE	[M]
D305	B0AACK000004	DIODE	[M]
D306	B0AACK000004	DIODE	[M]
D307	B0AACK000004	DIODE	[M]
D308	B0AACK000004	DIODE	[M]
D309	B0BA6R200012	DIODE	[M]
D310	RB441Q40T77	DIODE	[M]
D313	B0BA6R100003	DIODE	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
D320	RB441Q40T77	DIODE	[M]
D501	RLIN4003S-P	DIODE	[M] △
D502	RLIN4003S-P	DIODE	[M] △
D503	RLIN4003S-P	DIODE	[M] △
D504	RLIN4003S-P	DIODE	[M] △
D505	B0AACK000004	DIODE	[M]
D507	B0AACK000004	DIODE	[M]
D601	B3ACA0000205	DIODE	[M]
D602	B3ACA0000205	DIODE	[M]
D603	B3AGA0000080	DIODE	[M]
D614	MTZJ3R3BTA	DIODE	[M]
D702	B0AACK000004	DIODE	[M]
D1001	B0AACK000004	DIODE	[M]
		SWITCHES	
S703	RSH1A053-U	RESET SWITCH	[M]
		SWITCHES	
SW601	EVQPAD05R	TACT SWITCH	[M]
SW602	EVQPAD05R	TACT SWITCH	[M]
SW603	EVQPAD05R	TACT SWITCH	[M]
SW604	EVQPAD05R	TACT SWITCH	[M]
SW605	EVQPAD05R	TACT SWITCH	[M]
SW606	EVQPAD05R	TACT SWITCH	[M]
SW607	EVQPAD05R	TACT SWITCH	[M]
SW608	EVQPAD05R	TACT SWITCH	[M]
SW609	EVQPAD05R	TACT SWITCH	[M]
SW610	EVQPAD05R	TACT SWITCH	[M]
SW1001	RSA-62D38-TA	PUSH SWITCH	[M]
CP1	RJS10T6ZA	CONNECTOR	[M]
CP302	K1KA03B00047	CONNECTOR	[M]
CP304	RJP3G18ZA	CONNECTOR	[M]
CP305	RJS10T5ZA	CONNECTOR	[M]
CP307	RJS2A8616	16P FFC CONNECTOR	[M]
CP308	K1KA07A00060	7P PLUG IN CONNECTOR	[M]
CP309	K1KA09A00049	9P PLUG IN CONNECTOR	[M]
CP310	K1KA03B00047	CONNECTOR	[M]
CP701	RJS1A9428	28P FFC CONNECTOR	[M]
CP702	RJS1A9328	28P CONNECTOR	[M]
CP703	RJS1A9427	26P FFC CONNECTOR	[M]
CP704	RJS1A9327	26P FFC CONNECTOR	[M]
CP1001	K1KA04B00057	4P CONNECTOR	[M]
		TRIMMER	
CT1	RCVFMA10T01S	TRIMMER CAPACITOR	[M]
		COILS & TRANSFORMERS	
L2	RLQY30S1W-F	FM COIL	[M]
L3	RLV2C051-0	FERRITE ANTENNA	[M]
L4	RLD4Y45-F	COIL	[M]
L6	RL02B136	AM OSC COIL	[M]
L7	RLQA101KT-G	AXIAL COIL	[M]
L8	RLQY30S1W-F	FM COIL	[M]
L127	RLQA101KT-G	AXIAL COIL	[M]
L221	RLQA100KT-G	AXIAL COIL	[M]
L222	RLQA100KT-G	AXIAL COIL	[M]
L227	RLQA101KT-G	AXIAL COIL	[M]
L310	RLQA100KT-G	PRI COIL	[M]
L340	RLQA100KT-G	AXIAL COIL	[M]
L341	RLQA2R2KT-G	INDUCTOR	[M]
L342	RLQA2R2KT-G	INDUCTOR	[M]
L701	RLQA2R2KT-G	INDUCTOR	[M]
L841	RLQA2R2KT-G	INDUCTOR	[M]
L842	RLQA100KT-G	AXIAL COIL	[M]
L1001	RL09B17	BIAS COIL	[M]
T1	RLI2B019-T	AM IFT	[M]
T501	G4C4AAH00005	TRANSFORMER	[M] EB △

Ref. No.	Part No.	Part Name & Description	Remarks
		COMPONENT COMBINATION	
Z701	L5ACBJC00001	LCD	[M]
Z702	RCD1837SS3V	REMOTE SENSOR	[M]
		CERAMIC FILTERS	
CF1	J0B1075A0101	FM CERAMIC FILTER	[M]
CF3	RLFDFT26AT	FM DISCRIMINATOR	[M]
CF4	RLFCFA459L4B	AM FILTER	[M]
		OSCILLATORS	
X3	RSXD7M20C01	XTAL OSC	[M]
X801	H0A750200010	CRYSTAL OSCILLATOR	[M]
X802	RSXZ16M9Z01T	CRYSTAL OSCILLATOR	[M]
		FUSES	
F501	K5D122BK0004	FUSE	[M] △
		FUSE HOLDERS	
FH501	RJF0028	FUSECLIP	[M]
FH502	RJF0028	FUSECLIP	[M]
		FUSE PROTECTOR	
FP501	K5G202AA0003	PROTECTOR	[M] △
		JACKS	
JK301	RJJ37TK09	JK PHONE	[M]
JK501	RJJ1SE01-X	JK AC INLET (SW501)	[M] △
		WIRE	
W1	RWJ8310110QS	TUNER TO MAIN WIRE	[M]
W303	RWJ9002070SS	LEAF/PUSH LOCK WIRE	[M]
W304	REXX0282	BUZZER TO MAIN WIRE	[M]
W305	RWJ8310080QS	DECK TO MAIN WIRE	[M]
W308	REXX0280	7P WIRE	[M]
W309	REXX0279	9P WIRE	[M]
W310	REXX0283	OPTN BTN TO MAIN WIR	[M]
W312	RWJ0103120CS	WIRE (3P) TO BATT. P	[M]
W313	RWJ8902210SS	BAT. TO BAT. WIRE	[M]
W601	RWJ9003180SS	OPTN BTN L TO OPTN B	[M]
W1002	RWJ9002045SC	PUSH LOCK TO MAIN	[M]
W1003	RWJ9002045SC	MOTOR WIRE	[M]
		RESISTORS	
R2	ERDS2TJ103T	10K 1/4W	[M]
R3	ERDS2TJ332T	3.3K 1/4W	[M]
R4	ERDS2TJ331T	330 1/4W	[M]
R5	ERDS2TJ104T	100K 1/4W	[M]
R6	ERDS2TJ104T	100K 1/4W	[M]
R8	ERDS2TJ104T	100K 1/4W	[M]
R9	ERDS2TJ104T	100K 1/4W	[M]
R11	ERDS2TJ223T	22K 1/4W	[M]
R12	ERDS2TJ103T	10K 1/4W	[M]
R16	ERDS2TJ104T	100K 1/4W	[M]
R17	ERDS2TJ222T	2.2K 1/4W	[M]
R20	ERDS2TJ223T	22K 1/4W	[M]
R21	ERDS2TJ103T	10K 1/4W	[M]
R22	ERDS2TJ102T	1K 1/4W	[M]
R23	ERDS2TJ223T	22K 1/4W	[M]
R24	ERDS2TJ103T	10K 1/4W	[M]
R25	ERDS2TJ223T	22K 1/4W	[M]
R26	ERDS2TJ103T	10K 1/4W	[M]
R27	ERDS2TJ332T	3.3K 1/4W	[M]
R28	ERDS2TJ223T	22K 1/4W	[M]
R29	ERDS2TJ103T	10K 1/4W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R30	ERDS2TJ472T	4.7K 1/4W	[M]
R31	ERDS2TJ222T	2.2K 1/4W	[M]
R33	ERDS2TJ121T	120 1/4W	[M]
R34	ERDS2TJ104T	100K 1/4W	[M]
R35	ERDS2TJ221T	220 1/4W	[M]
R101	ERDS2TJ153T	15K 1/4W	[M]
R102	ERDS2TJ122T	1.2K 1/4W	[M]
R103	ERDS2TJ123T	12K 1/4W	[M]
R104	ERDS2TJ272T	2.7K 1/4W	[M]
R105	ERDS2TJ222T	2.2K 1/4W	[M]
R106	ERDS2TJ222T	2.2K 1/4W	[M]
R108	ERDS2TJ562T	5.6K 1/4W	[M]
R110	ERDS2TJ394T	390K 1/4W	[M]
R111	ERDS2TJ332T	3.3K 1/4W	[M]
R115	ERDS2TJ333T	33K 1/4W	[M]
R116	ERDS2TJ472T	4.7K 1/4W	[M]
R117	ERDS2TJ102T	1K 1/4W	[M]
R118	ERDS2TJ563T	56K 1/4W	[M]
R120	ERDS2TJ103T	10K 1/4W	[M]
R123	ERDS2TJ332T	3.3K 1/4W	[M]
R124	ERDS2TJ332T	3.3K 1/4W	[M]
R125	ERDS2TJ562T	5.6K 1/4W	[M]
R127	ERDS2TJ181T	180 1/4W	[M]
R201	ERDS2TJ153T	15K 1/4W	[M]
R202	ERDS2TJ122T	1.2K 1/4W	[M]
R203	ERDS2TJ123T	12K 1/4W	[M]
R204	ERDS2TJ272T	2.7K 1/4W	[M]
R205	ERDS2TJ222T	2.2K 1/4W	[M]
R206	ERDS2TJ222T	2.2K 1/4W	[M]
R208	ERDS2TJ562T	5.6K 1/4W	[M]
R210	ERDS2TJ394T	390K 1/4W	[M]
R211	ERDS2TJ332T	3.3K 1/4W	[M]
R215	ERDS2TJ333T	33K 1/4W	[M]
R216	ERDS2TJ472T	4.7K 1/4W	[M]
R217	ERDS2TJ102T	1K 1/4W	[M]
R218	ERDS2TJ563T	56K 1/4W	[M]
R220	ERDS2TJ103T	10K 1/4W	[M]
R221	ERDS2TJ562T	5.6K 1/4W	[M]
R222	ERDS2TJ562T	5.6K 1/4W	[M]
R223	ERDS2TJ332T	3.3K 1/4W	[M]
R224	ERDS2TJ332T	3.3K 1/4W	[M]
R227	ERDS2TJ181T	180 1/4W	[M]
R240	ERDS2TJ334T	330K 1/4W	[M]
R241	ERDS2TJ472T	4.7K 1/4W	[M]
R242	ERDS2TJ123T	12K 1/4W	[M]
R301	ERD2FCVG220T	22 1/4W	[M]
R303	ERDS2TJ103T	10K 1/4W	[M]
R304	ERDS2TJ472T	4.7K 1/4W	[M]
R306	ERDS2TJ330T	33 1/4W	[M]
R307	ERDS2TJ330T	33 1/4W	[M]
R310	ERDS2TJ333T	33K 1/4W	[M]
R311	ERDS2TJ392T	3.9K 1/4W	[M]
R312	ERDS2TJ222T	2.2K 1/4W	[M]
R313	ERDS2TJ473T	47K 1/4W	[M]
R314	ERDS2TJ331T	330 1/4W	[M]
R315	ERDS2TJ122T	1.2K 1/4W	[M]
R316	ERDS2TJ331T	330 1/4W	[M]
R317	ERDS2TJ151T	150 1/4W	[M]
R319	ERDS2TJ151T	150 1/4W	[M]
R320	ERDS2TJ472T	4.7K 1/4W	[M]
R321	ERDS2TJ103T	10K 1/4W	[M]
R322	ERDS2TJ101T	100 1/4W	[M]
R323	ERDS2TJ102T	1K 1/4W	[M]
R324	ERDS2TJ333T	33K 1/4W	[M]
R325	ERDS2TJ103T	10K 1/4W	[M]
R328	ERDS2TJ102T	1K 1/4W	[M]
R329	ERDS2TJ103T	10K 1/4W	[M]
R332	ERDS2TJ103T	10K 1/4W	[M]
R333	ERDS2TJ471T	470 1/4W	[M]
R334	ERDS2TJ471T	470 1/4W	[M]
R337	ERDS2TJ102T	1K 1/4W	[M]
R338	ERDS2TJ472T	4.7K 1/4W	[M]
R339	ERDS2TJ103T	10K 1/4W	[M]
R342	ERDS2TJ102T	1K 1/4W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R357	ERDS2TJ224T	220K 1/4W	[M]
R501	ERDS2TJ271T	270 1/4W	[M]
R601	ERDS2TJ102T	1K 1/4W	[M]
R602	ERDS2TJ102T	1K 1/4W	[M]
R603	ERDS2TJ152T	1.5K 1/4W	[M]
R604	ERDS2TJ222T	2.2K 1/4W	[M]
R605	ERDS2TJ332T	3.3K 1/4W	[M]
R606	ERDS2TJ472T	4.7K 1/4W	[M]
R607	ERDS2TJ822T	8.2K 1/4W	[M]
R608	ERDS2TJ153T	15K 1/4W	[M]
R609	ERDS2TJ333T	33K 1/4W	[M]
R610	ERDS2TJ181T	180 1/4W	[M]
R611	ERDS2TJ181T	330 1/4W	[M]
R612	ERDS2TJ102T	1K 1/4W	[M]
R701	ERDS2TJ100T	10 1/4W	[M]
R703	ERDS2TJ222T	2.2K 1/4W	[M]
R706	ERDS2TJ103T	10K 1/4W	[M]
R707	ERDS2TJ103T	10K 1/4W	[M]
R708	ERDS2TJ222T	2.2K 1/4W	[M]
R709	ERDS2TJ104T	100K 1/4W	[M]
R710	ERDS2TJ103T	10K 1/4W	[M]
R711	ERDS2TJ472T	4.7K 1/4W	[M]
R712	ERDS2TJ273T	27K 1/4W	[M]
R713	ERDS2TJ103T	10K 1/4W	[M]
R714	ERDS2TJ393T	39K 1/4W	[M]
R715	ERDS2TJ102T	1K 1/4W	[M]
R716	ERDS2TJ222T	2.2K 1/4W	[M]
R717	ERDS2TJ560T	56 1/4W	[M]
R718	ERDS2TJ560T	56 1/4W	[M]
R719	ERDS2TJ223T	22K 1/4W	[M]
R720	ERDS2TJ104T	100K 1/4W	[M]
R721	ERDS2TJ473T	47K 1/4W	[M]
R722	ERDS2TJ100T	10 1/4W	[M]
R723	ERDS2TJ562T	5.6K 1/4W	[M]
R724	ERDS2TJ103T	10K 1/4W	[M]
R725	ERDS2TJ103T	10K 1/4W	[M]
R726	ERDS2TJ103T	10K 1/4W	[M]
R727	ERDS2TJ332T	3.3K 1/4W	[M]
R728	ERDS2TJ223T	22K 1/4W	[M]
R729	ERDS2TJ223T	22K 1/4W	[M]
R730	ERDS2TJ104T	100K 1/4W	[M]
R733	ERDS2TJ103T	10K 1/4W	[M]
R735	ERDS2TJ103T	10K 1/4W	[M]
R736	ERDS2TJ153T	15K 1/4W	[M]
R737	ERDS2TJ102T	1K 1/4W	[M]
R738	ERDS2TJ303T	30K 1/4W	[M]
R739	ERDS2TJ273T	27K 1/4W	[M]
R740	ERDS2TJ103T	10K 1/4W	[M]
R741	ERDS2TJ273T	27K 1/4W	[M]
R743	ERDS2TJ124T	120K 1/4W	[M]
R744	ERDS2TJ124T	120K 1/4W	[M]
R745	ERDS2TJ472T	4.7K 1/4W	[M]
R746	ERDS2TJ472T	4.7K 1/4W	[M]
R747	ERDS2TJ392T	3.9K 1/4W	[M]
R748	ERDS2TJ272T	2.7K 1/4W	[M]
R749	ERDS2TJ153T	15K 1/4W	[M]
R751	ERDS2TJ472T	4.7K 1/4W	[M]
R753	ERDS2TJ153T	15K 1/4W	[M]
R754	ERDS2TJ272T	2.7K 1/4W	[M]
R755	ERDS2TJ224T	220K 1/4W	[M]
R756	ERDS2TJ103T	10K 1/4W	[M]
R757	ERDS2TJ511T	510 1/4W	[M]
R761	ERDS2TJ823T	82K 1/4W	[M]
R762	ERDS2TJ102T	1K 1/4W	[M]
R763	ERDS2TJ155T	1.5M 1/4W	[M]
R764	ERDS2TJ104T	100K 1/4W	[M]
R765	ERDS2TJ105T	1M 1/4W	[M]
R766	ERDS2TJ333T	33K 1/4W	[M]
R767	ERDS2TJ153T	15K 1/4W	[M]
R768	ERDS2TJ102T	1K 1/4W	[M]
R773	ERDS2TJ822T	8.2K 1/4W	[M]
R774	ERDS2TJ513T	51K 1/4W	[M]
R775	ERDS2TJ153T	15K 1/4W	[M]
R777	ERDS2TJ103T	10K 1/4W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R778	ERDS2TJ103T	10K 1/4W	[M]
R786	ERDS2TJ334T	330K 1/4W	[M]
R787	ERDS2TJ334T	330K 1/4W	[M]
R792	ERDS2TJ472T	4.7K 1/4W	[M]
R801	ERDS2TJ102T	1K 1/4W	[M]
R802	ERDS2TJ473T	47K 1/4W	[M]
R803	ERDS2TJ561T	560 1/4W	[M]
R804	ERDS2TJ183T	18K 1/4W	[M]
R805	ERDS2TJ183T	18K 1/4W	[M]
R806	ERDS2TJ561T	560 1/4W	[M]
R830	ERDS2TJ101T	100 1/4W	[M]
R832	ERDS2TJ103T	10K 1/4W	[M]
R834	ERDS2TJ102T	1K 1/4W	[M]
R836	ERDS2TJ102T	1K 1/4W	[M]
R841	ERDS2TJ102T	1K 1/4W	[M]
R842	ERDS2TJ102T	1K 1/4W	[M]
R843	ERDS2TJ102T	1K 1/4W	[M]
R845	ERDS2TJ102T	1K 1/4W	[M]
R846	ERDS2TJ102T	1K 1/4W	[M]
R1001	ERDS2TJ221T	220 1/4W	[M]
R1002	ERDS2TJ331T	330 1/4W	[M]
R1003	ERDS2TJ473T	47K 1/4W	[M]
R1004	ERDS2TJ8R2T	8.2 1/4W	[M]
R1005	ERDS2TJ223T	22K 1/4W	[M]
R1006	ERDS2TJ101T	100 1/4W	[M]
R1101	ERDS2TJ183T	18K 1/4W	[M]
R1102	ERDS2TJ222T	2.2K 1/4W	[M]
R1103	ERDS2TJ224T	220K 1/4W	[M]
R1104	ERDS2TJ103T	10K 1/4W	[M]
R1105	ERDS2TJ222T	2.2K 1/4W	[M]
R1106	ERDS2TJ470T	47 1/4W	[M]
R1201	ERDS2TJ183T	18K 1/4W	[M]
R1202	ERDS2TJ222T	2.2K 1/4W	[M]
R1203	ERDS2TJ224T	220K 1/4W	[M]
R1204	ERDS2TJ103T	10K 1/4W	[M]
R1205	ERDS2TJ222T	2.2K 1/4W	[M]
R1206	ERDS2TJ470T	47 1/4W	[M]
		CAPACITORS	
C1	ECBT1H470J5	47P 50V	[M]
C2	ECBT1H100JC5	10P 50V	[M]
C3	ECFR1C223KR	0.022 16V	[M]
C4	ECBT1H102KB5	1000P 50V	[M]
C5	ECBT1H2R2KC5	2.2P 50V	[M]
C6	ECBT1H102KB5	1000P 50V	[M]
C7	ECBT1H150JC5	15P 50V	[M]
C8	ECBT1H102KB5	1000P 50V	[M]
C9	ECBT1H102KB5	1000P 50V	[M]
C10	ECBT1H3R3KC5	3.3P 50V	[M]
C11	ECBT1H102KB5	1000P 50V	[M]
C12	ECBT1H331KB5	330P 50V	[M]
C13	ECA1HM100BV	10 50V	[M]
C14	ECBT1H102KB5	1000P 50V	[M]
C15	ECFR1C683KR	0.068 16V	[M]
C16	ECFR1C823MR	0.082 16V	[M]
C17	ECFR1C823MR	0.082 16V	[M]
C18	ECFR1C223KR	0.022 16V	[M]
C19	ECFR1C223KR	0.022 16V	[M]
C20	RCE1HM010BP	1P 50V	[M]
C21	RCE1HM010BP	1P 50V	[M]
C22	ECA1HMR47BV	0.47 50V	[M]
C23	ECFR1C333KR	0.033 16V	[M]
C24	ECFR1C333KR	0.033 16V	[M]
C25	ECQP2A621JZT	620P 100V	[M]
C26	ECA1HM4R7BV	4.7 50V	[M]
C30	ECBT1H331KB5	330P 50V	[M]
C31	ECBT1C103MS5	0.01 16V	[M]
C32	ECBT1H102KB5	1000P 50V	[M]
C33	ECBT1H102KB5	1000P 50V	[M]
C34	ECBT1H102KB5	1000P 50V	[M]
C35	ECA1CM101BV	100 16V	[M]
C36	ECA1CM101BV	100 16V	[M]
C37	ECBT1C103MS5	0.01 16V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C38	ECBT1H101KB5	100P 50V	[M]
C39	ECBT1H120JC5	12P 50V	[M]
C40	ECBT1C222KR5	2200P 16V	[M]
C41	ECBT1H101KB5	100P 50V	[M]
C42	ECBT1H180J5	18P 50V	[M]
C43	ECBT1H101KB5	100P 50V	[M]
C44	RCE1HM2R2BP	2.2P 50V	[M]
C45	ECBT1H102KB5	1000P 50V	[M]
C47	ECFR1C104KR	0.1 16V	[M]
C48	RCE1HM010BP	1P 50V	[M]
C49	ECBT1H102KB5	1000P 50V	[M]
C50	ECBT1H102KB5	1000P 50V	[M]
C51	RCE1HM010BP	1P 50V	[M]
C53	ECBT1H102KB5	1000P 50V	[M]
C54	ECBT1H102KB5	1000P 50V	[M]
C55	ECA1HM100BV	10 50V	[M]
C56	ECBT1H102KB5	1000P 50V	[M]
C57	ECBT0J223MS5	0.022 6.3V	[M]
C58	ECBT1H102KB5	1000P 50V	[M]
C101	ECA1HM4R7BV	4.7 50V	[M]
C102	ECA1HM4R7BV	4.7 50V	[M]
C103	ECA1HM4R7BV	4.7 50V	[M]
C104	ECA1HM4R7BV	4.7 50V	[M]
C105	ECA1HM010BV	1 50V	[M]
C107	ECBT1H102KB5	1000P 50V	[M]
C110	ECBT1C332KR5	3300P 16V	[M]
C111	ECA1HMR22BV	0.22 50V	[M]
C112	ECFR1C683KR	0.068 16V	[M]
C113	ECBT1H560J5	56P 50V	[M]
C115	ECA1HMR22BV	0.22 50V	[M]
C116	ECA1AM102B	1000 10V	[M]
C117	ECA1HM0R1BV	0.1 50V	[M]
C118	ECFR1C823KR	0.082 16V	[M]
C119	ECBT1H471KB5	470P 50V	[M]
C124	ECBT1H102KB5	1000P 50V	[M]
C125	ECBT1H102KB5	1000P 50V	[M]
C126	ECBT1H102KB5	1000P 50V	[M]
C127	ECBT1H102KB5	1000P 50V	[M]
C201	ECA1HM4R7BV	4.7 50V	[M]
C202	ECA1HM4R7BV	4.7 50V	[M]
C203	ECA1HM4R7BV	4.7 50V	[M]
C204	ECA1HM4R7BV	4.7 50V	[M]
C205	ECA1HM010BV	1 50V	[M]
C207	ECBT1H102KB5	1000P 50V	[M]
C210	ECBT1C332KR5	3300P 16V	[M]
C211	ECA1HMR22BV	0.22 50V	[M]
C212	ECFR1C683KR	0.068 16V	[M]
C213	ECBT1H560J5	56P 50V	[M]
C215	ECA1HMR22BV	0.22 50V	[M]
C216	ECA1AM102B	1000 10V	[M]
C217	ECA1HM0R1BV	0.1 50V	[M]
C218	ECFR1C823KR	0.082 16V	[M]
C219	ECBT1H471KB5	470P 50V	[M]
C224	ECBT1H102KB5	1000P 50V	[M]
C225	ECBT1H102KB5	1000P 50V	[M]
C226	ECBT1H102KB5	1000P 50V	[M]
C227	ECBT1H102KB5	1000P 50V	[M]
C228	ECA1AM101BV	100 10V	[M]
C229	ECBT1H561KB5	560P 50V	[M]
C230	ECA1HM4R7BV	4.7 50V	[M]
C305	ECA1EM470BV	47 25V	[M]
C306	ECA1CM101BV	100 16V	[M]
C307	ECBT1E223ZF5	0.022 25V	[M]
C308	ECBT1H221KB5	220P 50V	[M]
C309	ECBT1H221KB5	220P 50V	[M]
C310	ECA1HMR33BV	0.33 50V	[M]
C311	ECA1CM101BV	100 16V	[M]
C313	ECBT1H561KB5	560P 50V	[M]
C314	ECA1AM470BV	47 10V	[M]
C315	ECBT1H102KB5	1000P 50V	[M]
C316	ECA1AM101BV	100 10V	[M]
C317	ECA1EM332B	3300P 25V	[M]
C318	ECA1CM220BV	22 16V	[M]
C319	ECBT1H102KB5	1000P 50V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C320	ECA1EM221B	220 25V	[M]
C321	ECA1EM331B	330 25V	[M]
C323	ECA1CM220BV	22 16V	[M]
C324	ECBT1H102KB5	1000P 50V	[M]
C325	ECA1CM101BV	100 16V	[M]
C327	ECBT1H102KB5	1000P 50V	[M]
C330	ECBT1H104KB5	0.1 50V	[M]
C333	ECBT1E103ZF5	0.01 25V	[M]
C341	ECA1HM4R7BV	4.7 50V	[M]
C342	ECA1HM4R7BV	4.7 50V	[M]
C501	ECR1H103ZF5	0.01 50V	[M]
C502	ECR1H103ZF5	0.01 50V	[M]
C503	ECR1H103ZF5	0.01 50V	[M]
C504	ECR1H103ZF5	0.01 50V	[M]
C614	ECA1HM3R3BV	3.3 50V	[M]
C701	ECBT1H104KB5	0.1 50V	[M]
C702	ECBT1H104KB5	0.1 50V	[M]
C703	ECBA1HKA010B	1 50V	[M]
C704	ECBT1H103KB5	0.01 50V	[M]
C705	ECBA1EKA470B	47 25V	[M]
C706	ECBT1C392MR5	3900P 16V	[M]
C707	ECBT1H2R2JC5	2.2P 50V	[M]
C708	ECBT1H270J5	27P 50V	[M]
C709	ECBT1H270J5	27P 50V	[M]
C710	ECBT1H2R2JC5	2.2P 50V	[M]
C711	ECBT1H104KB5	0.1 50V	[M]
C712	ECBT1H470J5	47P 50V	[M]
C714	ECA1HM0R1BV	0.1 50V	[M]
C715	ECA1HM100BV	10 50V	[M]
C716	ECA1CM330BV	33 16V	[M]
C717	ECA1HM2R2BV	2.2 50V	[M]
C718	ECA1HM100BV	10 50V	[M]
C719	ECA1HM010BV	1 50V	[M]
C720	ECA1HM3R3BV	3.3 50V	[M]
C721	ECA1HM2R2BV	2.2 50V	[M]
C722	ECA1CM220BV	22 16V	[M]
C723	ECA1HMR47BV	0.47 50V	[M]
C724	ECA1CM220BV	22 16V	[M]
C725	ECA1HM2R2BV	2.2 50V	[M]
C726	ECBA1AKA221I	220 10V	[M]
C727	ECBA1HKA2R2B	2.2 50V	[M]
C728	ECBT1H104KB5	0.1 50V	[M]
C729	ECBT1H105ZF5	10 50V	[M]
C730	ECBA1EKA470B	47 25V	[M]
C731	ECBT1H104KB5	0.1 50V	[M]
C733	ECBT1H104KB5	0.1 50V	[M]
C734	ECBT1H104KB5	0.1 50V	[M]
C735	ECBA1CKA100B	10 16V	[M]
C736	ECBT1H104KB5	0.1 50V	[M]
C737	ECBT1H471KB5	470P 50V	[M]
C738	ECBT1H105ZF5	10 50V	[M]
C740	ECBT1H330J5	33P 50V	[M]
C741	ECBT1H5R6KC5	5.6P 50V	[M]
C742	ECA1HM0R1BV	0.1 50V	[M]
C745	ECBT1C103MS5	0.01 16V	[M]
C747	ECBT1C103MS5	0.01 16V	[M]
C748	ECQV1H224JZ3	0.22 50V	[M]
C749	ECBT1C103MS5	0.01 16V	[M]
C750	ECBT1H102KB5	1000P 50V	[M]
C751	ECBT1H104ZF5	0.1 50V	[M]
C752	ECBT1H333KB5	0.033 50V	[M]
C753	ECQV1H224JZ3	0.22 50V	[M]
C754	ECBT1H471KB5	470P 50V	[M]
C755	ECBT1H102KB5	1000P 50V	[M]
C756	ECA1HMR22BV	0.22 50V	[M]
C757	ECBT1H104ZF5	0.1 50V	[M]
C758	ECBT1H270J5	27P 50V	[M]
C759	ECBT1H220J5	22P 50V	[M]
C760	ECBT1H220J5	22P 50V	[M]
C761	ECBT1H220J5	22P 50V	[M]
C762	ECBT1H220J5	22P 50V	[M]
C763	ECBT1H101KB5	100P 50V	[M]
C765	ECBT1H5R6KC5	5.6P 50V	[M]
C766	ECBT1H104KB5	0.1 50V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C767	ECBT1H153KB5	0.015 50V	[M]
C768	ECBT1H682KB5	6800P 16V	[M]
C774	ECBT1H104ZF5	0.1 50V	[M]
C775	ECA1AM470BV	47 10V	[M]
C781	ECBT1C103MS5	0.01 16V	[M]
C783	RCQB2A102JTM	1000P 100V	[M]
C802	ECBT1H104ZF5	0.1 50V	[M]
C803	ECA1HM010BV	1 50V	[M]
C805	ECQP1103JZ3	0.01 100V	[M]
C806	ECEA1HKA010B	1 50V	[M]
C807	ECQP1103JZ3	0.01 100V	[M]
C836	ECBT1H102KB5	1000P 50V	[M]
C841	ECBT1H102KB5	1000P 50V	[M]
C842	ECBT1H102KB5	1000P 50V	[M]
C1001	RCQB2A392KM	3900P 100V	[M]
C1002	ECA1AM101BV	100 10V	[M]
C1003	ECBT1C682MR5	6800P 16V	[M]
C1004	ECBT1H102KB5	1000P 50V	[M]
C1006	ECA1HM2R2BV	2.2 50V	[M]
C1007	ECA1AM101BV	100 10V	[M]
C1008	ECA1AM221BV	220 10V	[M]
C1101	ECBT1C272MR5	2700P 16V	[M]
C1102	ECA1CM100BV	10 16V	[M]
C1103	ECBT1H223KB5	0.022 50V	[M]
C1104	ECA1AM101BV	100 10V	[M]
C1106	ECBT1H681KB5	680P 50V	[M]
C1122	ECBT1C332MR5	3300P 16V	[M]
C1201	ECBT1C272MR5	2700P 16V	[M]
C1202	ECA1CM100BV	10 16V	[M]
C1203	ECBT1H223KB5	0.022 50V	[M]
C1204	ECA1AM101BV	100 10V	[M]
C1206	ECBT1H681KB5	680P 50V	[M]
C1222	ECBT1C332MR5	3300P 16V	[M]

16.4. Packing Materials & Accessories Parts List

Ref. No.	Part No.	Part Name & Description	Remarks
		PACKING MATERIALS	
P1	RPGX0857	PACKING CASE	[M] EB-S EG-S
P1	RPGX0924	PACKING CASE	[M] EB-A EG-A
P1	RPGX0858	PACKING CASE	[M] E-S
P1	RPGX0925	PACKING CASE	[M] E-A
P2	RPNX0140	POLYFOAM	[M]
P3	RPHW0008	MIRAMAT SHEET	[M]
		ACCESSORIES	

Ref. No.	Part No.	Part Name & Description	Remarks
A1	EUR648263	REMOTE CONTROLLER	[M]
A1-1	UR64EC2337A	R/C BATTERY COVER	[M]
A2	RJA0019-2K	AC CORD (SF)	[M] EG E △
A2	RJA0053-2X	AC CORD	[M] EB △
A3	RQT6229-E	O/I BOOK (Sp) (Ru) (Cz) (Po)	[M] E
A3	RQT6230-D	O/I BOOK (Ge) (It) (Fr)	[M] EG
A3	RQT6231-H	O/I BOOK (Du) (Da) (Sw)	[M] EG
A3	RQT6232-B	O/I BOOK (En)	[M] EB E

16.5. Packaging

