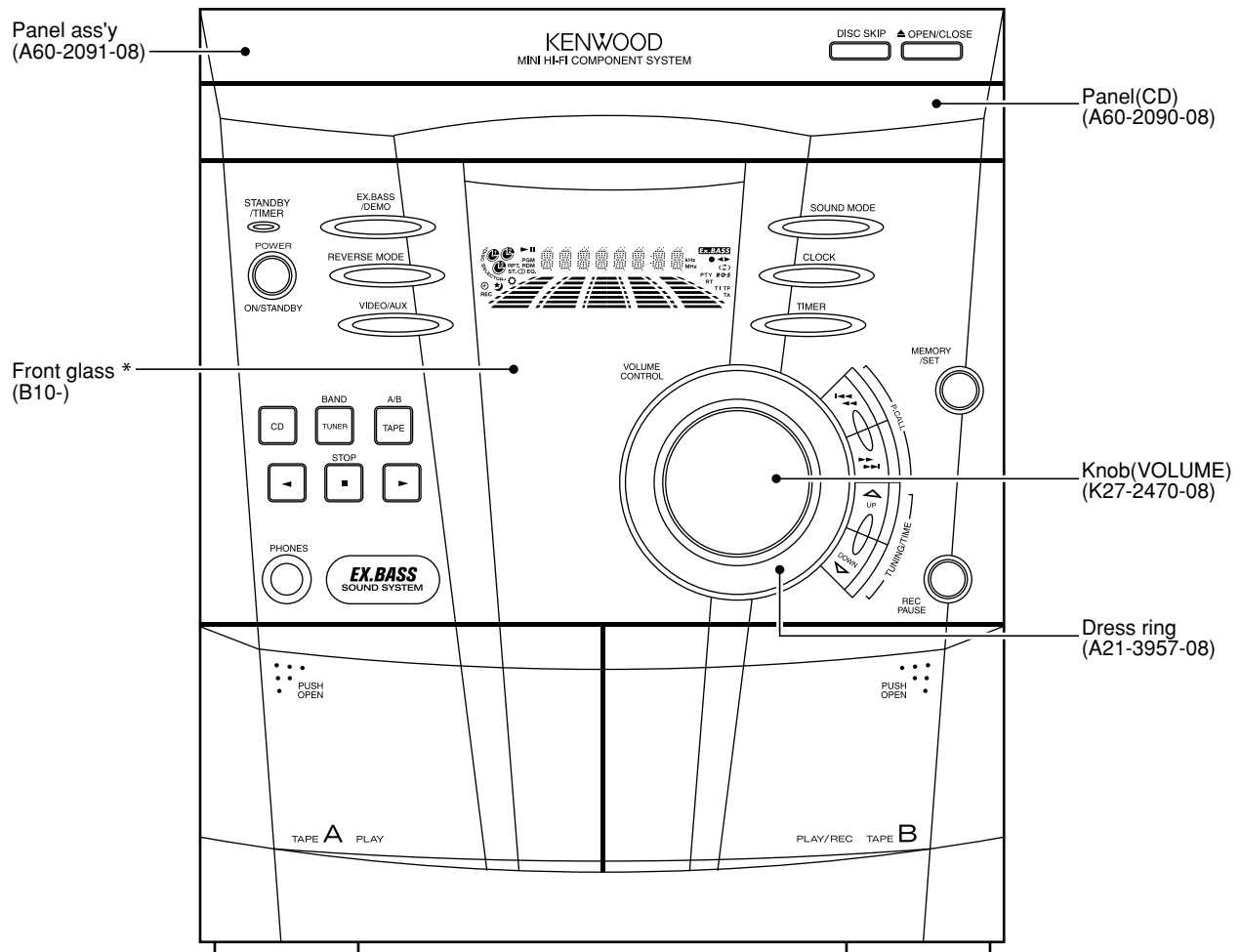


RXD-A55/A75

SERVICE MANUAL

(XD-A55/A75)



* Refer to parts list on page 33.

In compliance with Federal Regulations, following are reproduction of labels on, or inside the product relating to laser product safety.

KENWOOD-Crop. certifies this equipment conforms to DHHS Regulations No.21 CFR 1040. 10, Chapter 1, subchapter J.

DANGER : Laser radiation when open and interlock defeated. AVOID DIRECT EXPOSURE TO BEAM.



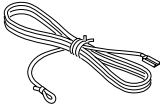
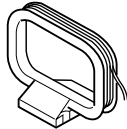
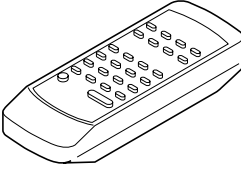
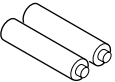
RXD-A55/A75

CONTENTS / ACCESSORIES

Contents

CONTENTS / ACCESSORIES	2	PC BOARD	16
EXTERNAL VIEW	3	SCHEMATIC DIAGRAM	23
DISASSEMBLY FOR REPAIR	4	EXPLODED VIEW	31
BLOCK DIAGRAM	9	PARTS LIST	33
CIRCUIT DESCRIPTION	11	SPECIFICATIONS	37
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Accessories

<p>FM Antenna (1) (T90-0883-08)</p> 	<p>AM Loop Antenna (1) (T90-0879-08)</p> 	<p>Remote Control (1) (A70-1531-08)</p> 	<p>"AA" size battery (UM/SUM-3, R6, HP-7 or similar)(2)</p> 
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SYSTEM CONFIGURATION

SYSTEM	MAIN UNIT	DESTINATION	SPEAKER
XD-A55	RXD-A55	KP	LS-N50S
XD-A75	RXD-A75	KP	LS-N70S

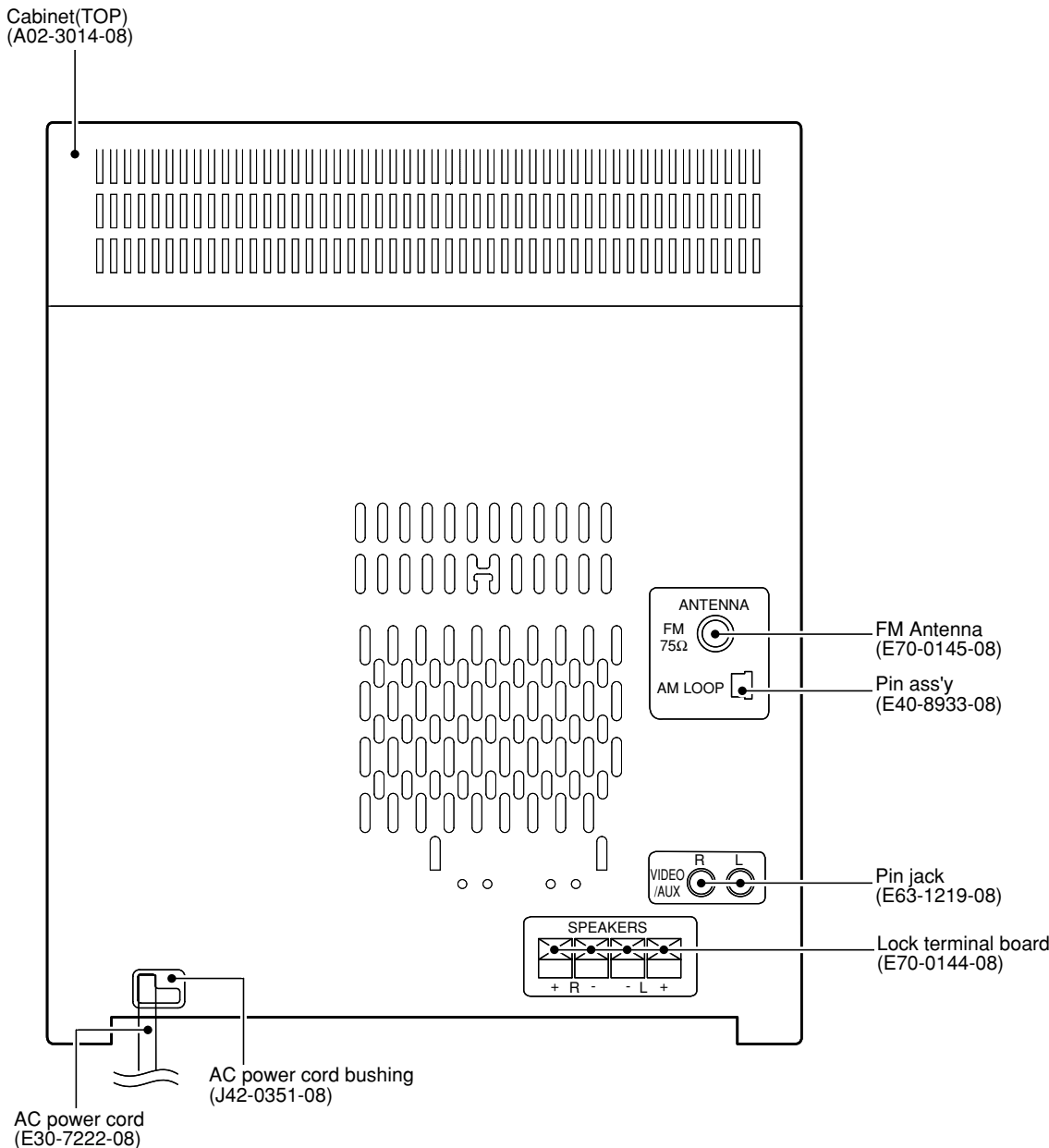
Cautions

**CLASS 1
LASER PRODUCT**

The marking on this product has been classified as Class 1. It means that there is no danger of hazardous radiation from this product.

RXD-A55/A75

EXTERNAL VIEW



RXD-A55/A75

DISASSEMBLY FOR REPAIR

Caution on Disassembly

Follow the below-mentioned notes when disassembling the unit and reassembling it, to keep it safe and ensure excellent performance:

1. Take cassette tape and compact disc out of the unit.
2. Be sure to remove the power supply plug from the wall outlet before starting to disassemble the unit.
3. Take off nylon bands or wire holders where they need be removed when disassembling the unit. After servicing the unit, be sure to rearrange the leads where they were before disassembling.
4. Take sufficient care on static electricity of integrated circuits and other circuits when servicing.

STEP	REMOVAL	PROCEDURE	FIGURE
1	Top Cabinet	1. Screw (A1) x4	7-1
2	Side Panel (Left/right)	1. Screw (B1) x8	7-1
3	CD Player Unit/ CD Tray Cover	1. Turn on the power supply, open the disc tray, take out the CD cover, and close. (Note 1) 2. Screw (C1) x1 3. Hook (C2) x3 4. Hook (C3) x2 5. Socket (C4) x2	7-2
4	Rear Panel	1. Screw (D1) x9	7-2
5	Main PWB	1. Screw (E1) x1 2. Socket (E2) x3 3. Flat Cable (E3) x1 4. Tip Wire (E4) x1	7-2 8-2
6	Power Supply PWB	1. Screw (F1) x2 2. Socket (F2) x1 3. Flat Wire (F3) x1	8-2 8-3
7	Front Panel	1. Screw (G1) x3	8-2
8	Display PWB	1. Screw (H1) x9 2. Socket (H2) x1	8-3
9	Tape Mechanism	1. Open the cassette holder. 2. Screw (J1) x5	8-3
10	Headphones PWB	1. Screw (K1) x1	8-3
11	Turntable	1. Hook (L1) x2 2. Cover (L2) x1	8-4
12	Disc Tray	1. Turn fully the lock lever in the arrow direction. 2. While holding the lock lever, rotate the cam gear until the cam gear rib engages with the clamp lever. 3. Push the slide holder backward to engage the claw with the groove and remove it in the direction of the arrow. (M1) x6	7-3 8-1 8-5
13	CD Servo PWB (Note 2)	1. Screw (N1) x1 2. Hook (N2) x2 3. Socket (N3) x4	8-6
14	CD Mechanism	1. Hook (P1) x2 2. Hook (P2) x3	9-1
15	Loading Motor PWB	1. Hook (Q1) x5	9-1

Note 1:

How to open the changer manually. (Fig. 7-3)

1. In this state, turn fully the lock lever in the arrow direction through the hole on the loading chassis bottom.
2. While holding the lock lever, rotate the cam gear anticlockwise until the cam gear rib engages with the clamp lever. (Fig. 8-1)
3. After that, push forward the CD slide holder.

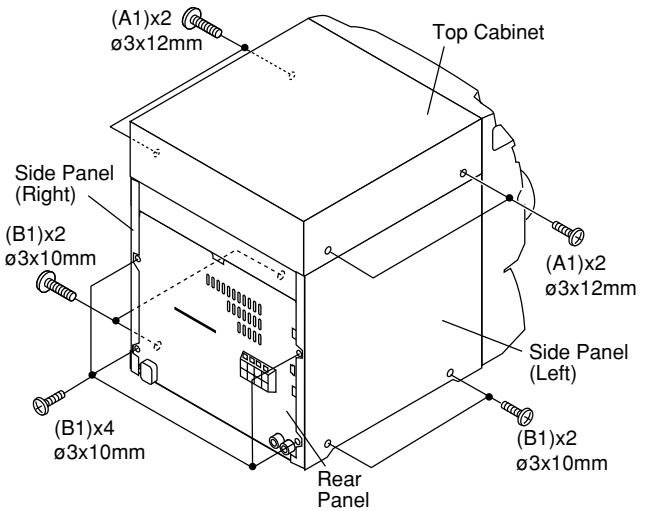


Figure 7-1

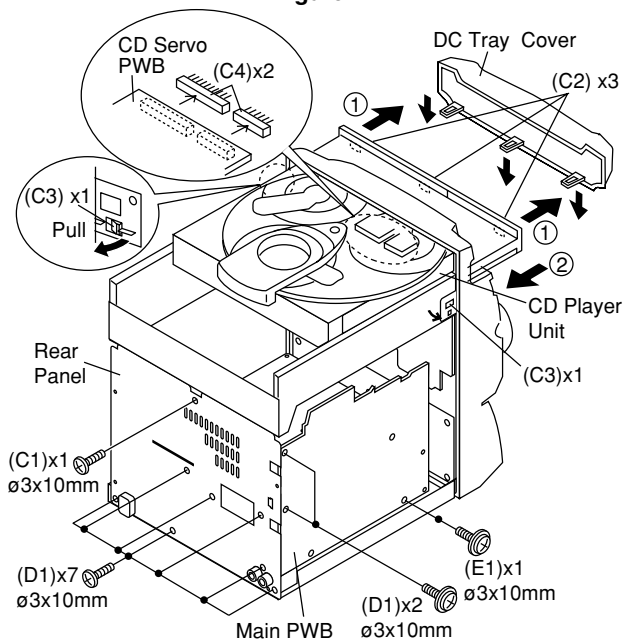


Figure 7-2

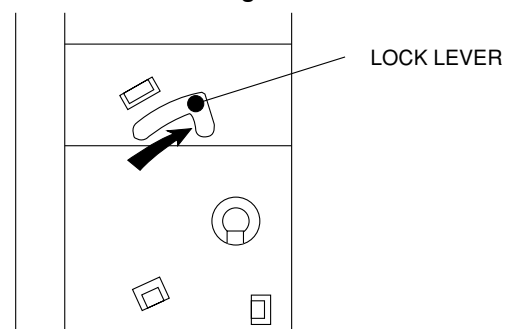


Figure 7-3

Note 2:

1. After removing the connector for the optical pickup from the connector, wrap the conductive aluminium foil around the front end of the connector so as to protect the optical pickup from electrostatic damage.

Note 3:

1. Be careful not to break the claw of the CD mechanism.
2. When fining back the cam gear assembly, let it lock by front movement.

RXD-A55/A75

DISASSEMBLY FOR REPAIR

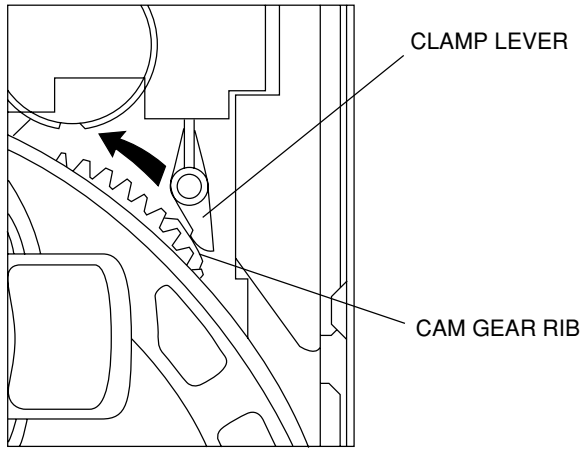


Figure 8-1

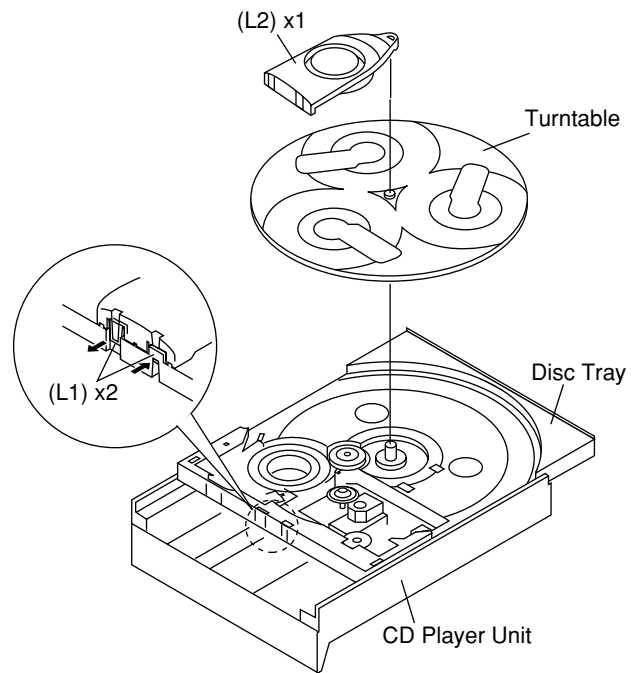


Figure 8-4

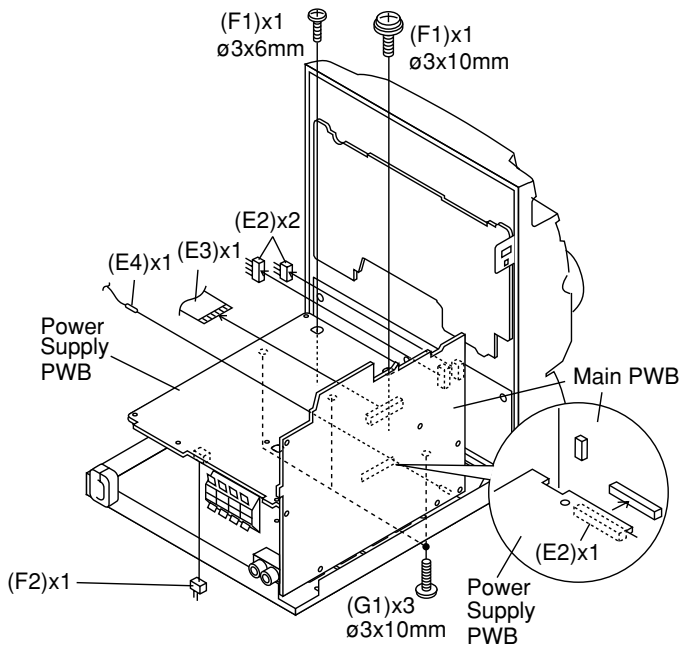


Figure 8-2

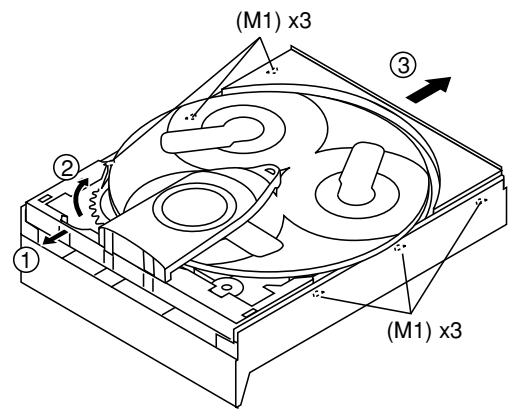


Figure 8-5

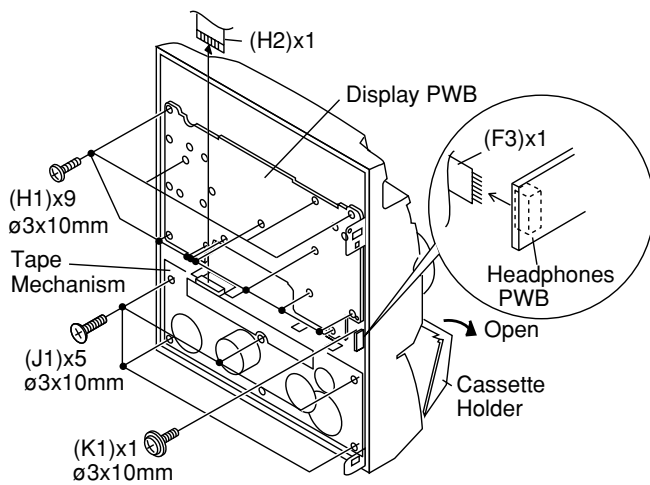


Figure 8-3

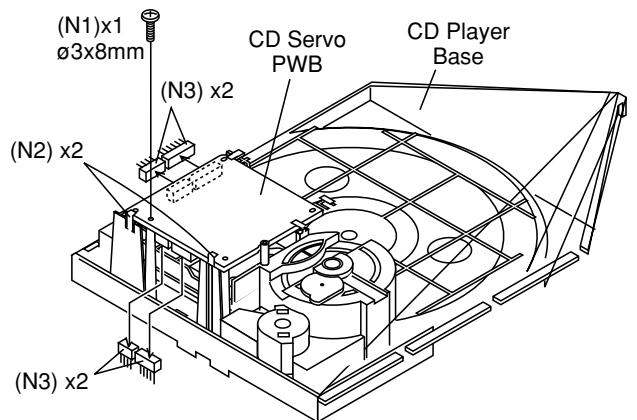


Figure 8-6

RXD-A55/A75

DISASSEMBLY FOR REPAIR

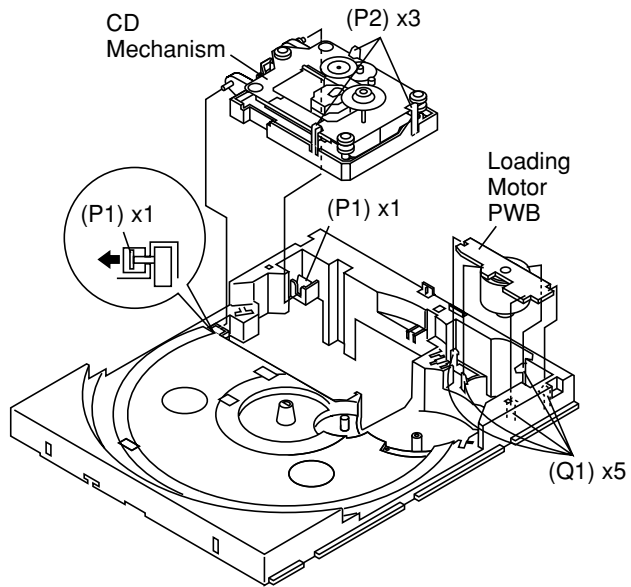


Figure 9-1

RXD-A55/A75

DISASSEMBLY FOR REPAIR

REMOVING AND REINSTALLING THE MAIN PARTS

TAPE MECHANISM SECTION

Perform steps 1 to 7 and 9 of the disassembly method to remove the tape mechanism.

How to remove the record/playback and erase heads (TAPE 2) (See Fig. 10-1)

1. When you remove the screw (A1) x 2 pcs., the recording/playback head and three-dimensional head of the erasing head can be removed.

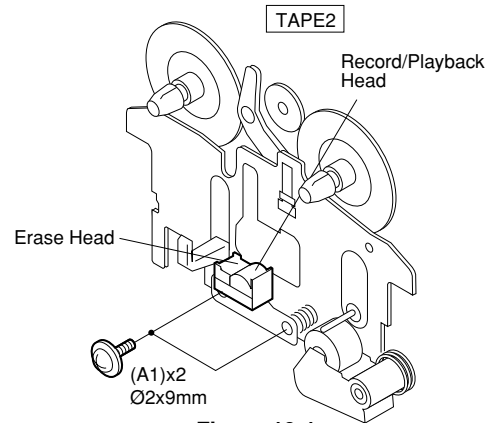


Figure 10-1

How to remove the playback head (TAPE 1) (See Fig. 10-2)

1. When you remove the screw (B1) x 2 pcs., the playback head.

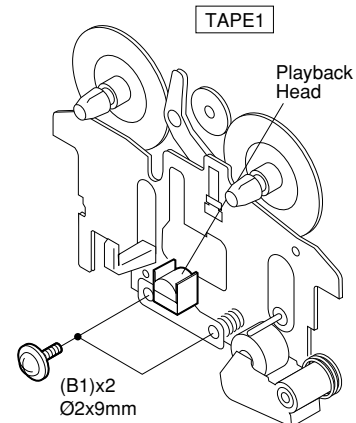


Figure 10-2

How to remove the pinch roller (TAPE 1/2) (See Fig. 10-3)

1. Carefully push the inside claw to remove it. The pinch roller pawl in the direction of the arrow <A>, and remove the pinch roller (C1) upwards.

Note:

When installing the pinch roller, pay attention to the spring mounting position.

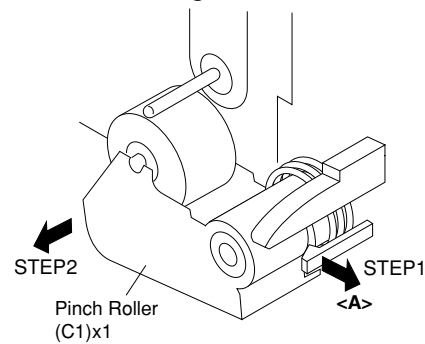


Figure 10-3

How to remove the belt (TAPE 1) (See Fig. 10-4)

1. Remove the main belt (D1) x 1 pc., from the motor side.
2. Remove the FF/REW belt (D2) x 1 pc.

How to remove the belt (TAPE 2) (See Fig. 10-4)

1. Remove the main belt (E1) x 1 pc., from the motor side.
2. Remove the FF/REW belt (E2) x 1 pc.

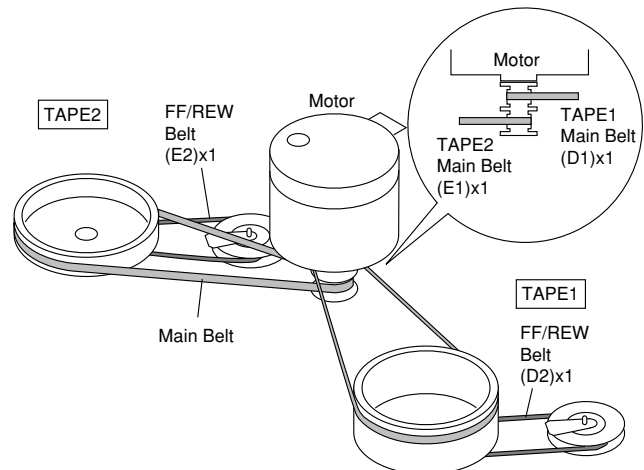


Figure 10-4

How to remove the motor (See Fig. 10-5)

1. Remove the screws (F1) x 2 pcs., to remove the motor.

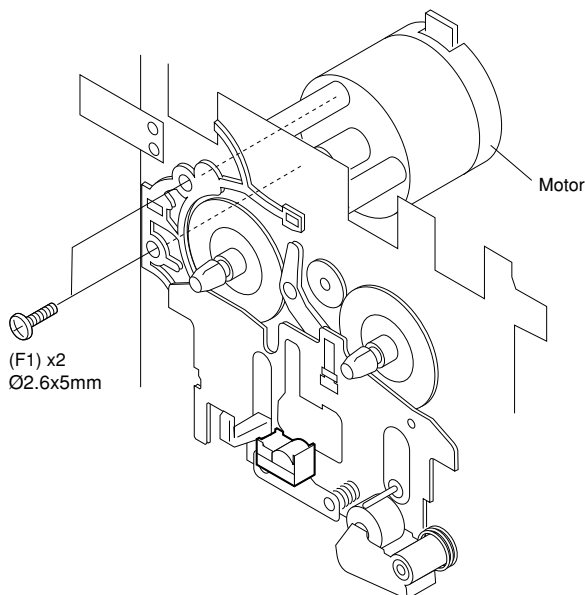


Figure 10-5

RXD-A55/A75

DISASSEMBLY FOR REPAIR

CD MECHANISM SECTION

Perform steps 1, 2, 3, 11 and 14 of the disassembly method to remove the CD mechanism.

How to remove the loading motor (See Fig. 11-1)

1. Bend the hooks (A1) x 5 pcs., to remove the loading motor.

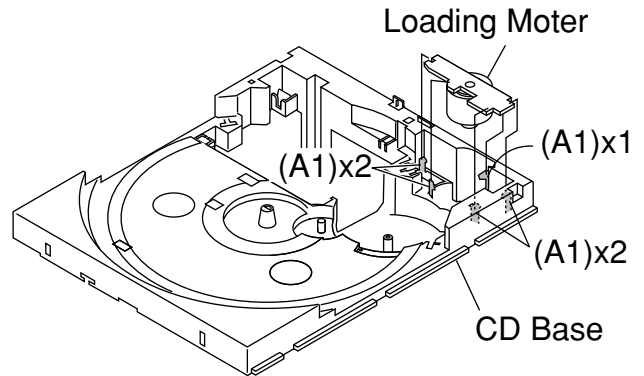


Figure 11-1

How to remove the pickup (See Fig. 11-2)

1. Remove the stop washer (B1) x 1 pc., to remove the gear (B2).
2. Remove the screws (B3) x 2 pcs., to remove the shaft (B4).
3. Remove the pickup.

Note

After removing the connector for the optical pickup from the connector wrap the conductive aluminium foil around the front end of connector so as to protect the optical pickup from electrostatic damage.

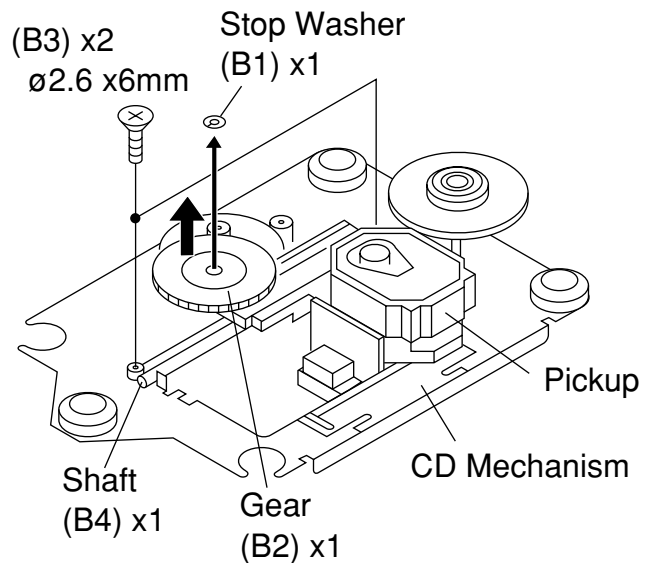
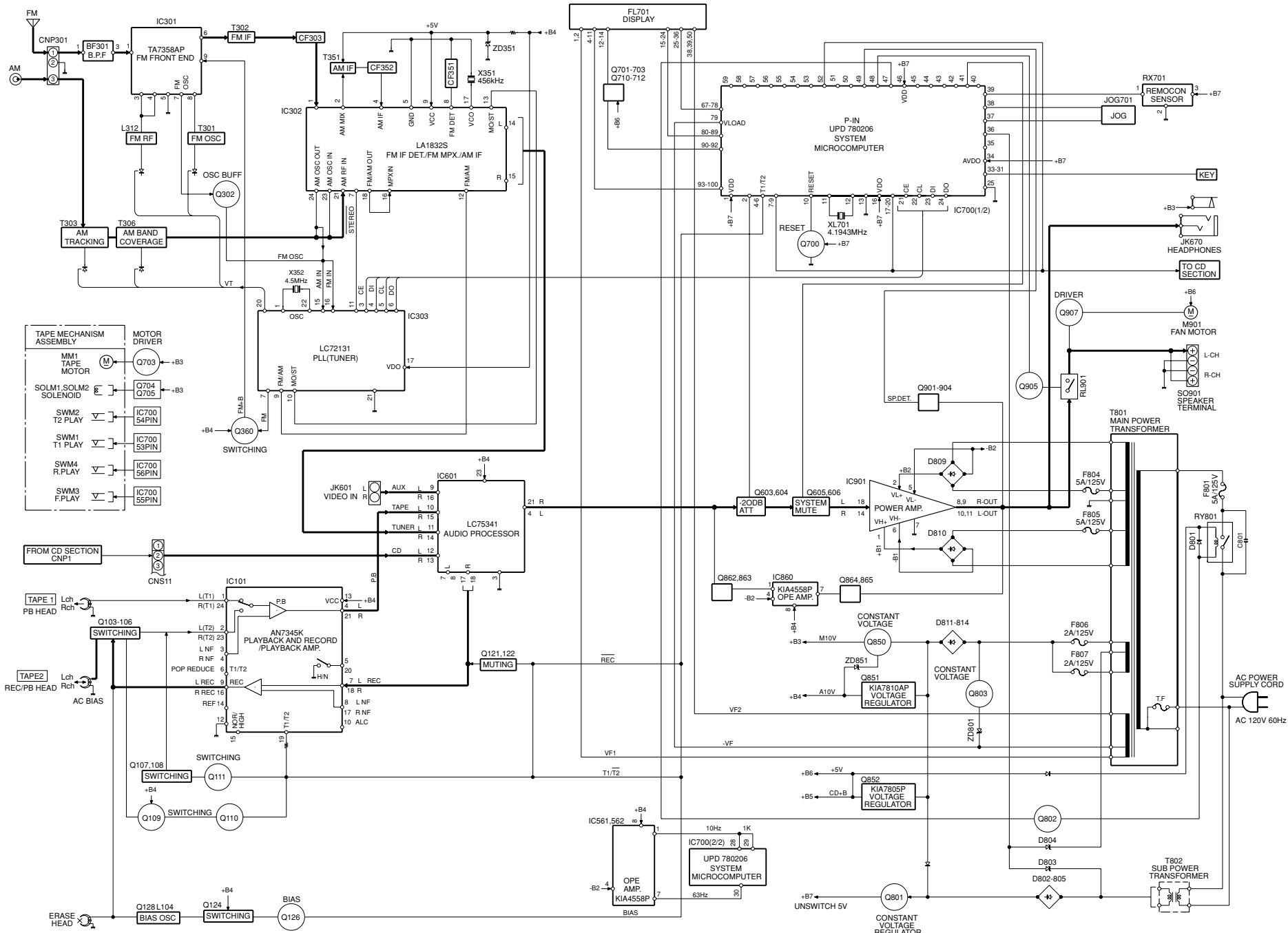


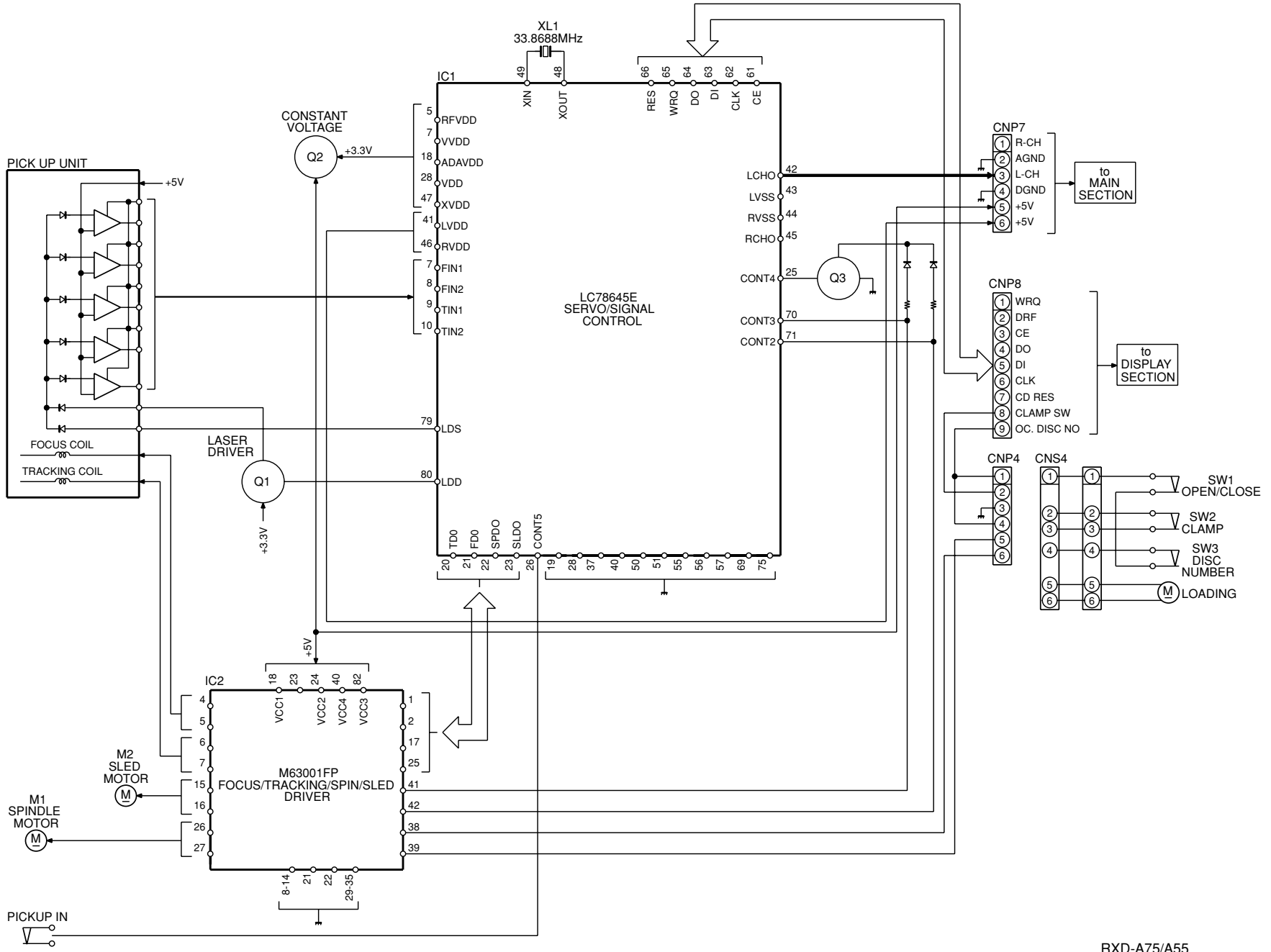
Figure 11-2



BLOCK DIAGRAM

RXD-A55/A75

BLOCK DIAGRAM



CIRCUIT DESCRIPTION

1. Port Description of Microprocessor

Port No.	Port Name	I/O	Function
1	VDD	-	POWER SUPPLY(+5V)
2	-20dB ATT	O	-20dB ATTENUATION
3	NO USE/DSA STB	-	GND
4	T BIAS	O	DECK BIAS CONTROL
5	T T1/T2	O	DECK T1/T2 CHANGE OVER
6	REC/PLAY	O	DECK RECORDING/PLAYBACK CHANGE OVER
7	RES OUT	O	CD DSP REQUEST
8	DRF	I	CDRF LEVEL DETECTION
9	WRQ	I	CD DSP WRITE REQUEST
10	REQUEST	I	RESET SIGNAL INPUT
11	X2	O	MAIN CLOCK OUTPUT
12	X1	I	MAIN CLOCK INPUT
13	VPP/IC	-	GND
14	XT2	-	OPEN
15	SPN	-	OPEN
16	VDD	-	POWER SUPPLY(+5V)
17	CD CLK	O	CD DSP CLOCK
18	CD DI	O	CD DSP COMMAND
19	CD DO	I	CD DSP CODE Q INPUT
20	CD CE	O	CD DSP CE OUTPUT
21	CE	O	CHIP ENABLE OUTPUT
22	CLK	O	CLOCK OUTPUT
23	DI	O	DATA OUTPUT
24	DO	I	DATA INPUT
25	AVSS	-	GND
26	O/C SW/DSA DATA	I	CD OPEN CLOSE SWITCH INPUT
27	NO USE/DSA ACK /TUN SM	-	GND
28	SPEANA 2	I	SPEANA DATA INPUT(16kHz)
29	SPEANA 1	I	SPEANA DATA INPUT(1kHz)
30	SPEANA 0	I	SPEANA DATA INPUT(63kHz)
31~33	KEY2~KEY0	I	KEY INPUT
34	AVDD	-	ANALOG POWER SUPPLY
35	AVREF	-	ANALOG REFERENCE VOLTAGE
36	P IN	I	POWER FAILURE DETECTION
37,38	JOG1,0	I	JOG VOLUME INPUT 1, 0
39	REMOCON	I	REMOTE CONTROL SIGNAL INPUT
40	VSS	-	GND
41	SMUTE	O	SYSTEM MUTE CONTROL
42	T SOL B	O	DECK2 SOLENOID CONTROL
43	T SOL A	O	DECK1 SOLENOID CONTROL
44	T MOTOR	O	DECK MOTOR CONTROL
45	TIMER LED	O	TIMER LED CONTROL
46	VDD	-	POWER SUPPLY(+5V)
47	AC RLY CONT.	O	AC RELAY CONTROL
48	SP RLY	O	SPEAKER OUTPUT RELAY CONTROL
49	SP DET	I	SPEAKER OUTPUT DETECTION
50	T1 RUN	I	DECK1 REEL SENSOR DETECTION PORT
51	T2 RUN	I	DECK2 REEL SENSOR DETECTION PORT
52	CD CLAMP SW	I	CD CHANGER CLAMP SWITCH INPUT
53	PLAY SW A	I	DECK PLAY SWITCH A INPUT
54	PLAY SW B	I	DECK PLAY SWITCH B INPUT
55	FPA	I	DECK FORWARD RECORDING SWITCH INPUT

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CIRCUIT DESCRIPTION

Port No.	Port Name	I/O	Function
56	FPB	I	DECK REVERSE RECORDING SWITCH INPUT
57	MIC IN	-	OPEN
58	MP3 LED	O	MP3 LED CONTROL
59	DESTOUT	O	DISCRIMINATION PORT FOR DESTINATION
60	STANDBY LED	O	STANDBY LED CONTROL
61	KARAOKE LATCH	-	OPEN
62~66	NO USE	-	GND
67~70	P22~P19	O	FL DISPLAY CONTROL PORT
	DEST3~DEST0	I	DESTINATION INPUT PORT
71~78	P18~P11	O	FL DISPLAY CONTROL PORT
79	VLOAD	-	FL DRIVER POWER SUPPLY(-30V)
80~89	P10~P1	O	FL DISPLAY SEGMENT CONTROL PORT
90~100	G11~G1	O	FL DISPLAY GRID CONTROL PORT

2. Focus/Tracking/Spin/Sled Driver : M63001FP (CD Section IC2)

Port No.	Port Name	I/O	Function
1	IN2-	I	CH2 inverted input.
2	IN1A-	I	CH1 inverted input.
3	IN1B-	O	CH1 output offset control.
4	OUT1-	O	CH1 inverted output.
5	OUT1+	O	CH1 non-inverted output.
6	OUT2-	O	CH2 inverted output.
7	OUT2+	O	CH2 non-inverted output.
8~14	GND	-	GND
15	OUT3+	O	CH3 non-inverted output.
16	OUT3-	O	CH3 inverted output.
17	IN3-	I	CH3 inverted input.
18	VCC1	-	Power supply 1 (CH1, CH2, CH3).
19	STANDBY	I	STANDBY signal input.
20	VREF	-	CH1~CH4 reference voltage input.
21	MUTE	I	Mute signal input (CH6).
22	IN5-	-	GND
23	IN5+	-	Connected to power supply.
24	VCC2	-	Power supply 2 (CH4).
25	IN4-	I	CH4 inverted input.
26	OUT4-	O	CH4 inverted output.
27	OUT4+	O	CH4 non-inverted output.
28	VCC3	-	Power supply 3 (CH5).
29~35	GND	-	GND
36	OUT5+	O	CH5 non-inverted output.
37	OUT5-	O	CH5 inverted output.
38	OUT6+	O	CH6 non-inverted output.
39	OUT6-	O	CH6 inverted output.
40	VCC4	-	Power supply 4 (CH6).
41	IN6-	I	CH6 inverted input.
42	IN6+	I	CH6 non-inverted input.

CIRCUIT DESCRIPTION

1. Test Mode

1-1 How to Set up the Test Mode

- During POWER OFF mode, push below each 2 keys and [POWER] key.
Then go to each TEST MODE.

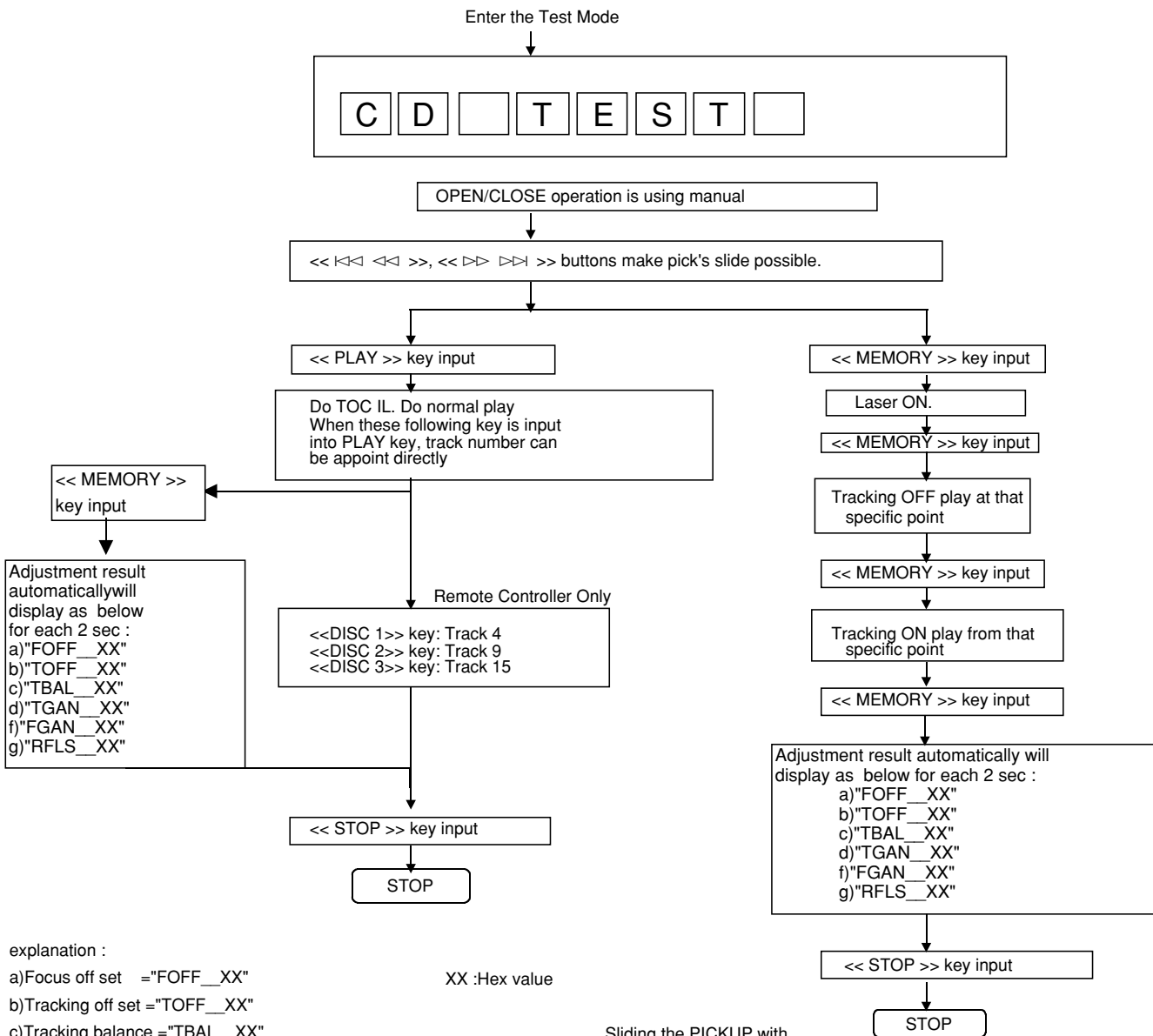
KEYS	TEST MODE
[POWER] [SOUND] + [CD]	CD TEST MODE
[POWER] [SOUND] + [STOP]	ALL CLEAR (RESET)
[POWER] [TUN DOWN] + [TUNER]	PRODUCTION INITIALIZE FOR CHANGER
[POWER] [REC] + [CD]	CD CHANGER TEST

1-2 Cancelling the Test Mode

- Turn the power off.

1-3 Contents of the Test Mode

1-3-1 CD Test Mode



explanation :

- a) Focus off set = "FOFF__XX"
- b) Tracking off set = "TOFF__XX"
- c) Tracking balance = "TBAL__XX"
- d) Tracking Gain = "TGAN__XX"
- f) Focus Gain = "FGAN__XX"
- g) RF level shift = "RFLS__XX"

XX :Hex value

Sliding the PICKUP with
<< <<< <<< >>> >>> >>> button
must only be in STOP mode.

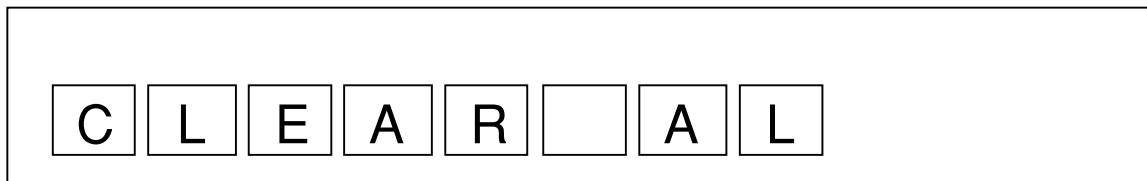
RXD-A55/A75

CIRCUIT DESCRIPTION

1-3-2 Software Reset

- Function:
- Software RESET.
 - All the function condition will be initialize.
 - It will jump to A operation in case of power ON.
 - After display "CLEAR ALL", power will off.
 - Forwarding condition set for CD changer.
 - Forwarding condition set for TAPE mecha.

"CLEAR_AL" display



1-3-3 Initializing the CD changer

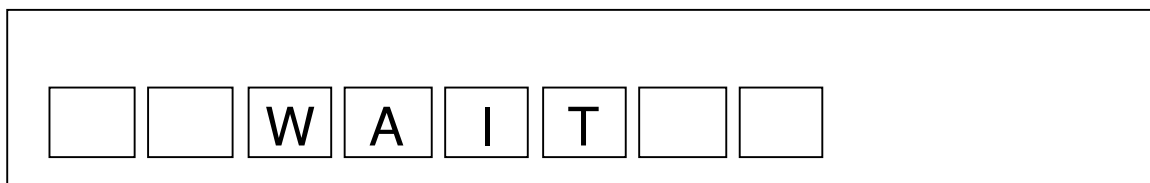
Function: The SET will be set to "shipping"

- All the function, condition are initialized.
- CLEAR ALL TUNER PRESET MEMORY .
- CLOCK INITIAL
- CLEAR CD MEMORY
- Initialize the CD changer mecha and compact cassette mecha.
- For CD changer mecha, set the CD mecha in upward condition.

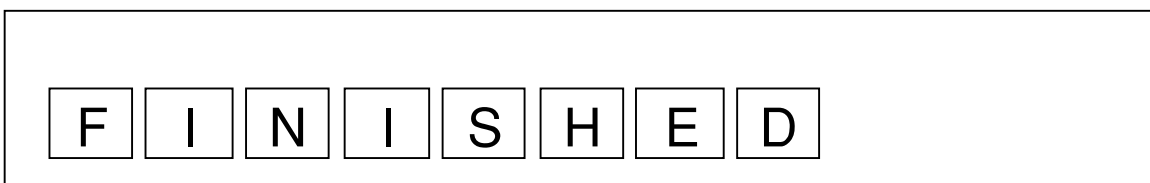
Display, key input

When initialize the mechanism, it will display "WAIT" and will not accept any changes in input
After "shipping condition" setting is ended, "FINISHED" is displayed and any key input will be prohibited.
If there are any troubles and "shipping condition" cannot be set, "ERR" will be displayed.

"WAIT" display

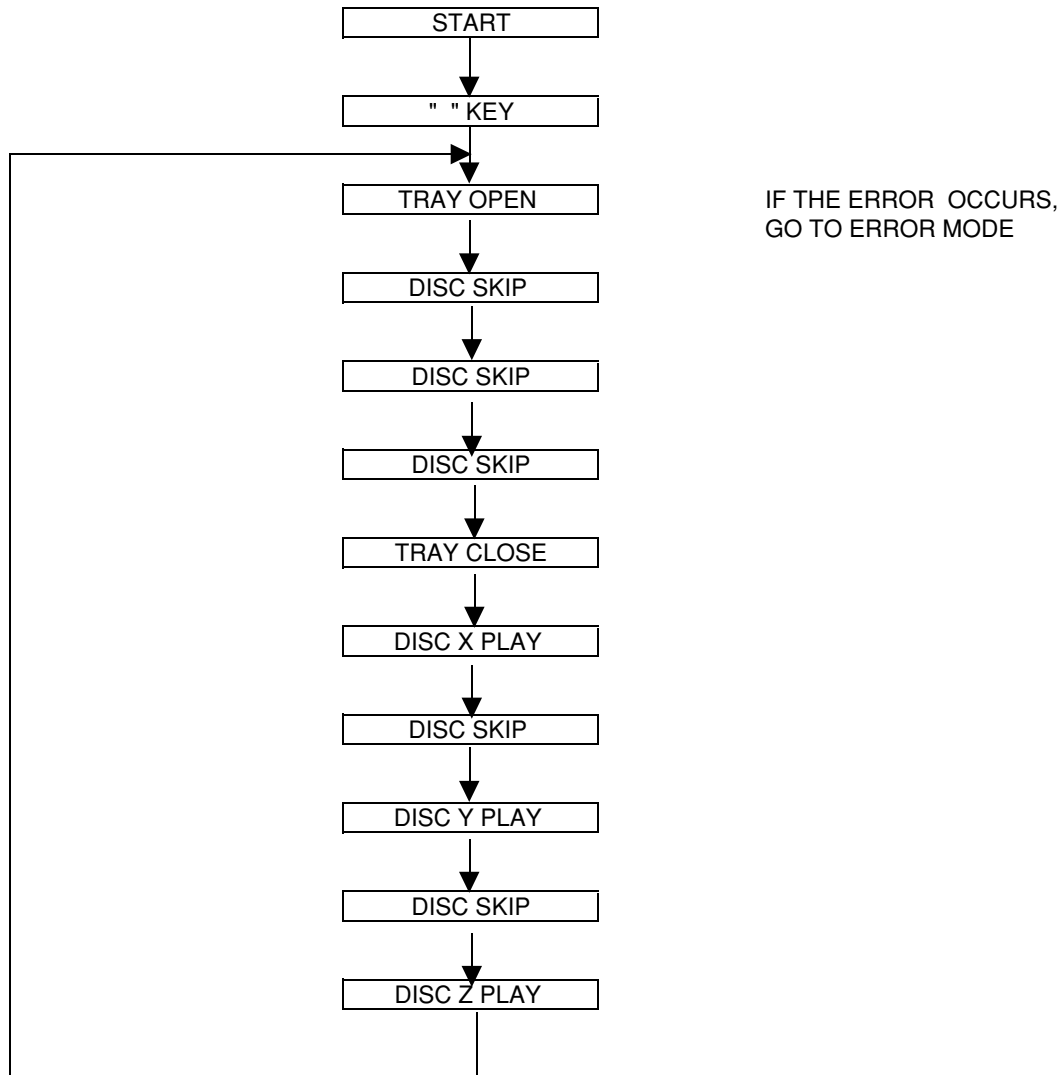


"FINISHED" display



CIRCUIT DESCRIPTION

1-3-4 CD Changer Aging Test Mode



2. Standard Specification of Stereo System Error Message Display Contents

Error Contents	Display	Notes	
Output while Device Protection Operation	'PROTECT'	Due to over current detection or unit in protect circuit operation.	
DSP Control Error	'ER-AP**'	10:DSP Control Error (general)	
TAPE	Mechanism Error	'ER-TA**'	00:Tape Mechanism Error 01:Initial Error
CD/VCD	Pick-Up Mechanism Error	'ER-CD**'	00:Pick-up Mechanism Error 01:PU-IN SW Detection NG
	CD Changer Mechanism Error	'ER-CD**'	10:Changer Error 11:Initial Error
	Tray Error	'ER-CD**'	20:Tray Error
	Focus Not Match	'NO DISC'	
TUNER	Micon Communication Error	'ER-CD**'	30:System-VCD 31:Syatem-CD Servo
	PLL UnLock	'ER-TU**'	00:TUN Error 01:PLL Unlock
	RDS Connection	WEAK SIG	Signal is too weak to receive.

RXD-A55/A75

ADJUSTMENT

MECHANISM SECTION

• Driving Force Check

Torque Meter	Specified Value
Play: TW-2111	Tape 1: Over 80 g Tape 2: Over 80 g

• Torque Check

Torque Meter	Specified Value	
	Tape 1	Tape 2
Play: TW-2111	30 to 80 g. cm	30 to 80 g.cm
Fast forward: TW-2231	—	70 to 180 g.cm
Rewind: TW-2231	—	70 to 180 g.cm

• Tape Speed

	Test Tape	Adjusting Point	Specified Value	Instrument Connection
Normal speed	MTT-111	Variable Resistor in motor. (MM1)	3,000 ± 30 Hz	Speaker terminal (Load resistance: 6 ohms)

TAPE MECHANISM

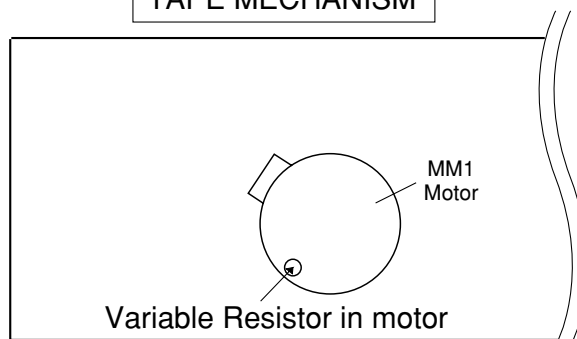


Figure 11-3

TUNER SECTION

fL: Low-range frequency

fH: High-range frequency

• AM IF/RF

Signal generator: 400 Hz, 30%, AM modulated

Test Stage	Frequency	Frequency Display	Setting/ Adjusting Parts	Instrument Connection
AM IF	450 kHz	1,720 kHz	T351	*1
AM Band Coverage	—	530 kHz	(fL): T306 1.1 ± 0.1 V	*2
AM Tracking	990 kHz	990 kHz	(fL): T303	*1

*1. Input: Antenna, Output: TP302

*2. Input: Antenna, Output: TP301

• FM RF

Signal generator: 1 kHz, 75 kHz dev., FM modulated

Test Stage	Frequency	Frequency Display	Serring/ Adjusting Point	Instrument Connection
FM Band Coverage	—	87.50 MHz	T301(fL): 1.3 V ± 50 mV	*1
FM RF	98.00 MHz (10-30 dB)	98.00 MHz	L312	*2

*1. Input: Antenna, Output: TP301

*2. Input: Antenna, Output: Speaker terminal

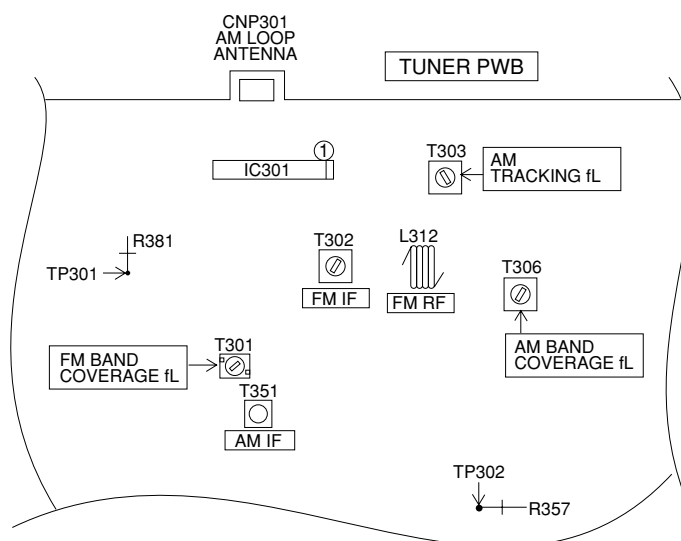


Figure 12-1 ADJUSTMENT POINT

ADJUSTMENT

CD SECTION

• Adjustment

Since this CD system incorporates the following automatic adjustment functions, readjustment is not needed when replacing the pickup. Therefore, different PWBs and pickups can be combined freely.

Each time a disc is changed, these adjustments are performed automatically. Therefore, playback of each disc can be performed under optimum conditions.

Items adjusted automatically

- (1) Offset adjustment (The offset voltage between the head amplifier output and the VREF reference voltage is compensated inside the IC.)
 - * Focus offset adjustment
 - * Tracking offset adjustment
- (2) Tracking balance adjustment (waveform drawing 12-2 EFBL)
- (3) Gain adjustment (The gain is compensated inside the IC so that the loop gain at the gain crossover frequency will be 0dB.)
 - * Focus gain adjustment
 - * Tracking gain adjustment

CD ERROR CODE DESCRIPTION

Error	State Code
0001 0002	[Servo System Error] Cannot detect Pickup-in SW DSP access error
0101 0103	[Error during close operation] Open/Close SW not functioning (Low → High) Open/Close SW not functioning (High → Low)
0201 0203	[Error during open operation] Open/Close SW not functioning (Low → High) Open/Close SW not functioning (High → Low)
0302 0306 0307 0308	[Error during skip operation] Pickup-in SW is not detected During Disc 1 search, Open/Close SW or Clamp SW or Disc SW do not change to low. Clamp SW not function (Low → High) Clamp SW not function (High → Low)

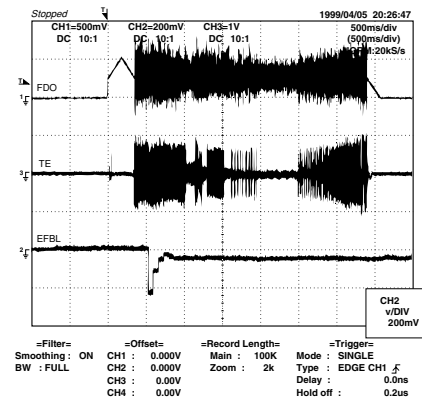
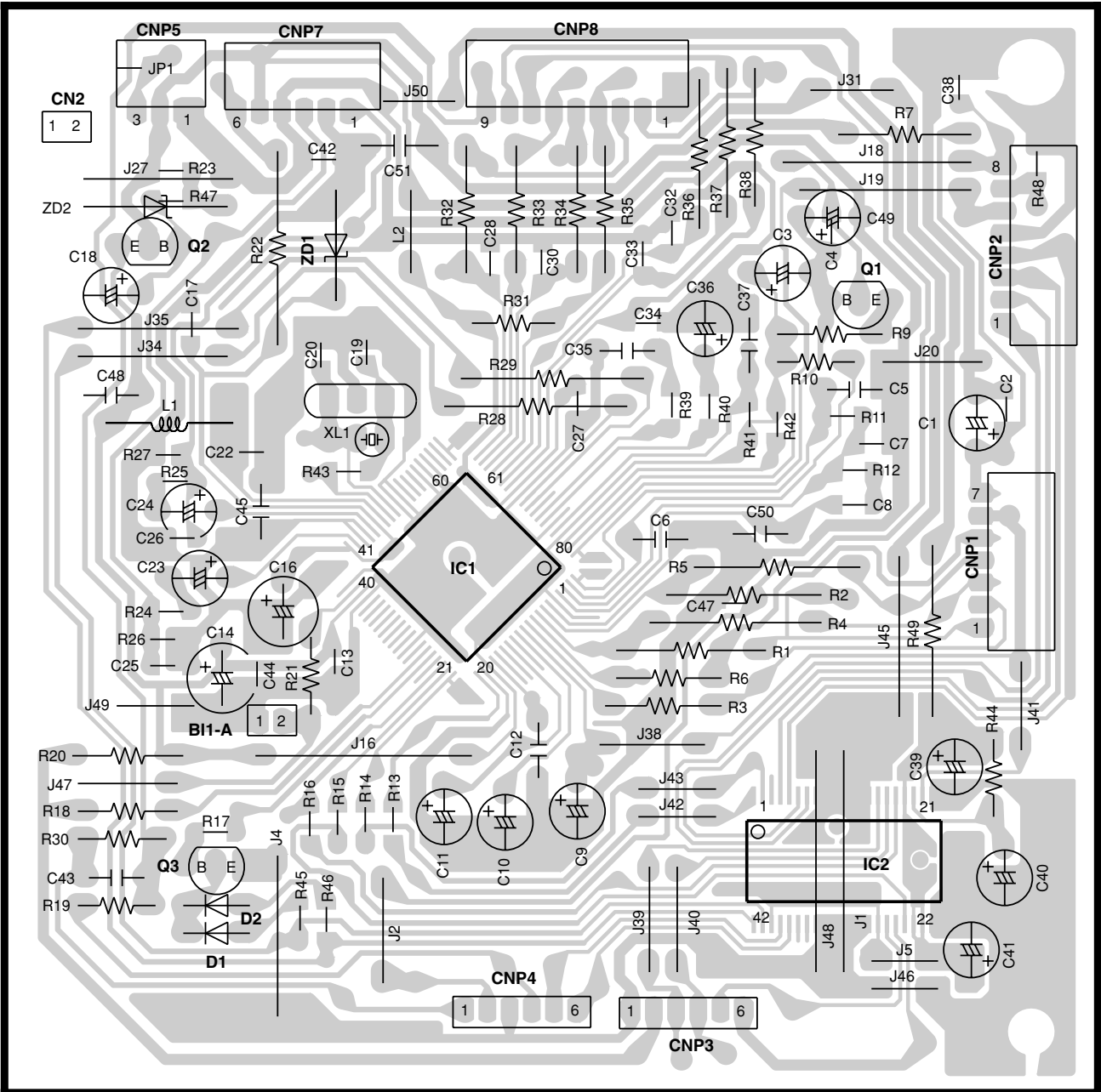


Figure 12-2

PC BOARD (Component side view)

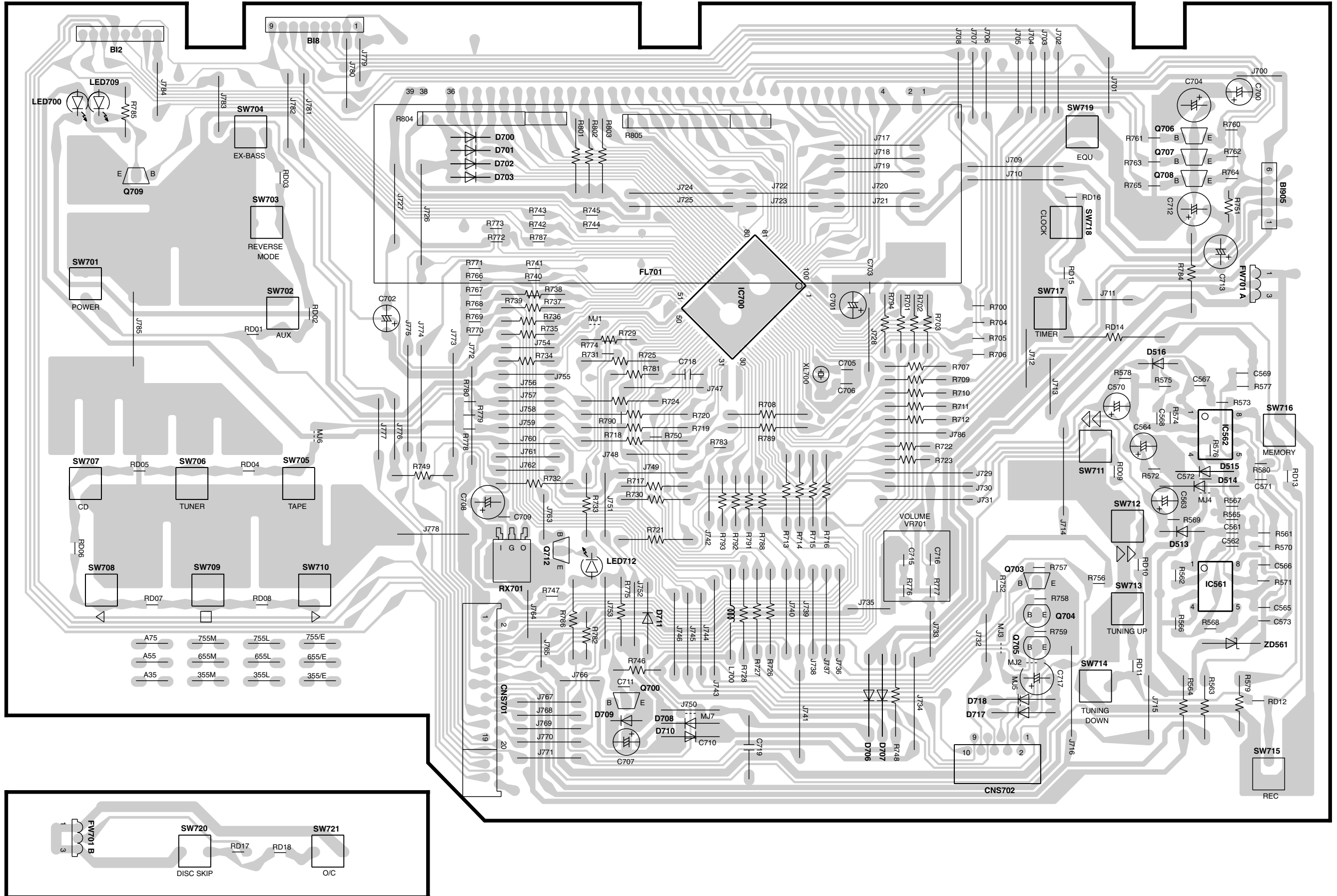
CD SECTION



Refer to the schematic diagram for the value of resistors and capacitors.

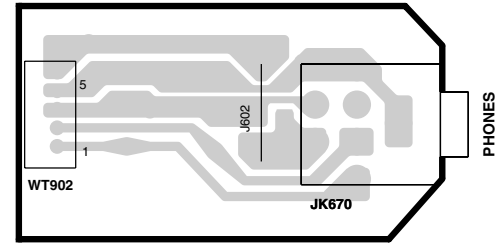
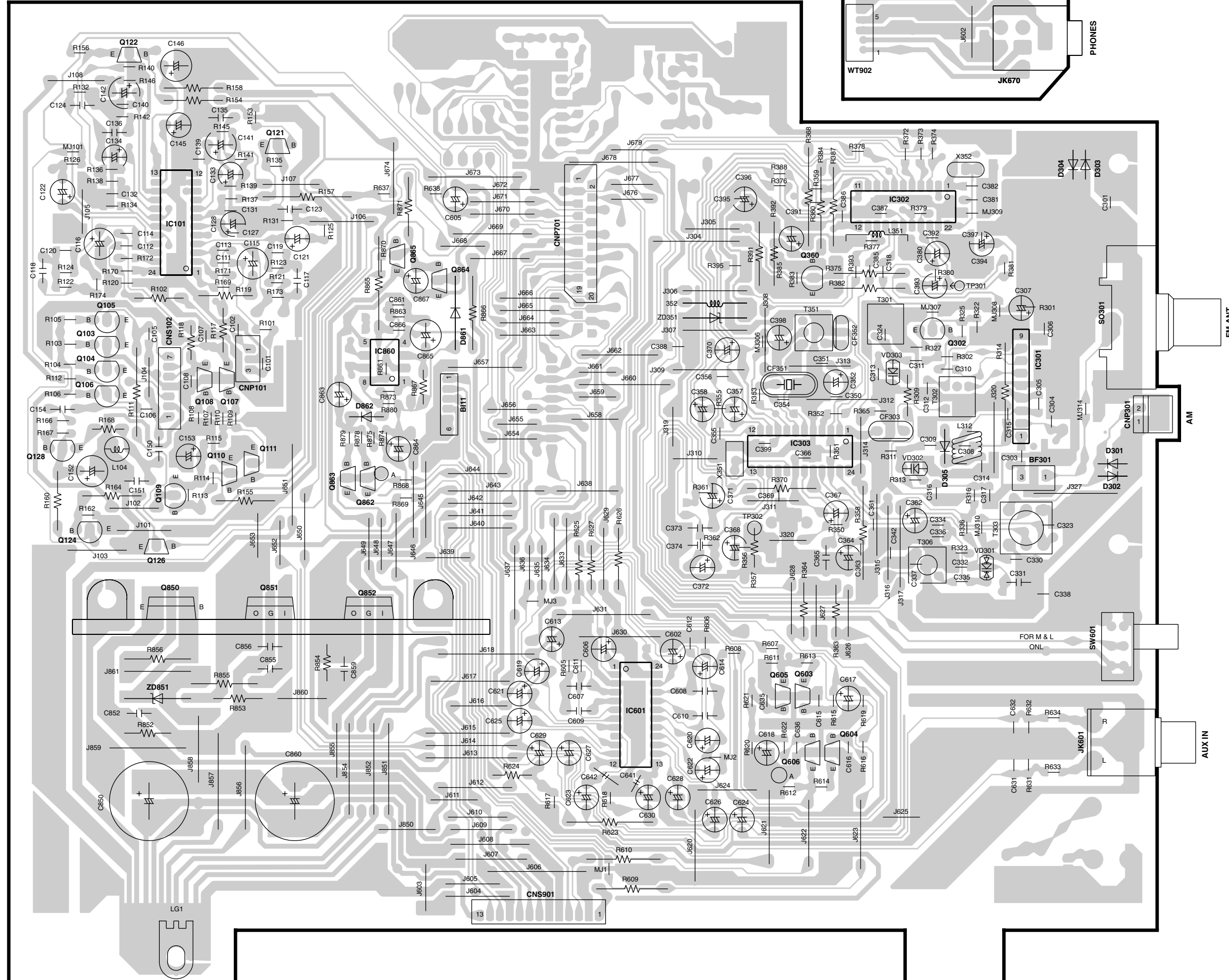
PC BOARD(Component side view)

DISPLAY SECTION



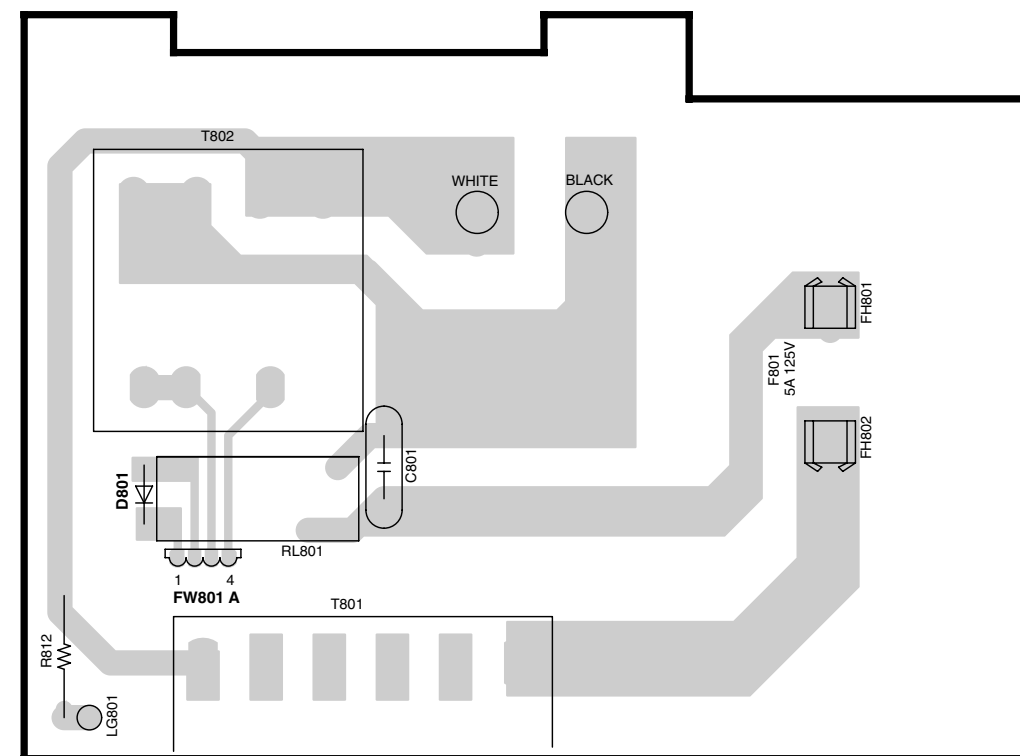
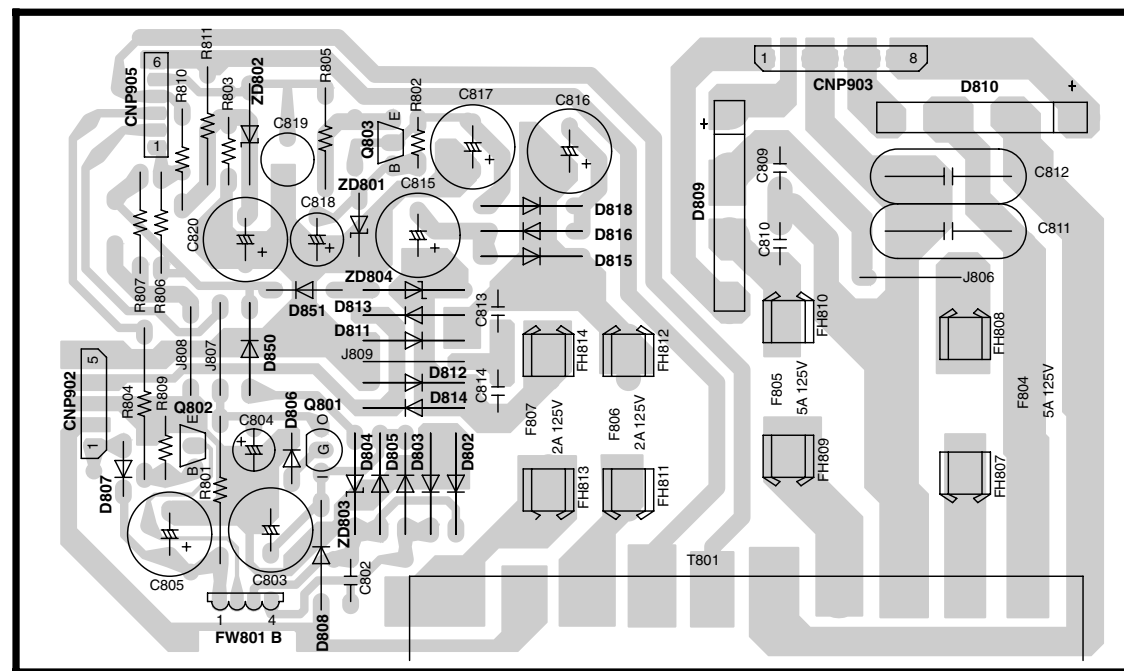
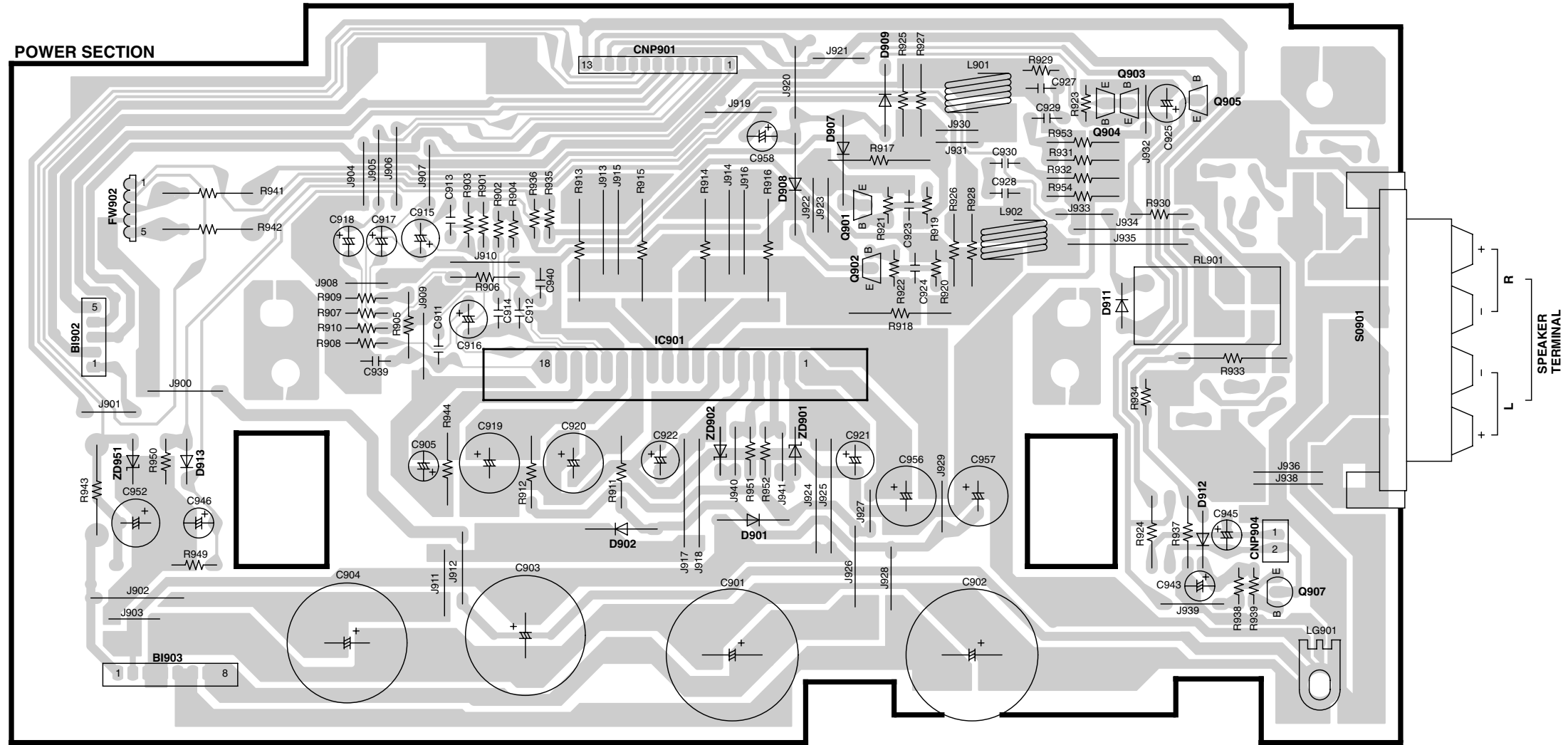
PC BOARD(Component side view)

MAIN SECTION



Refer to the schematic diagram for the value of resistors and capacitors.

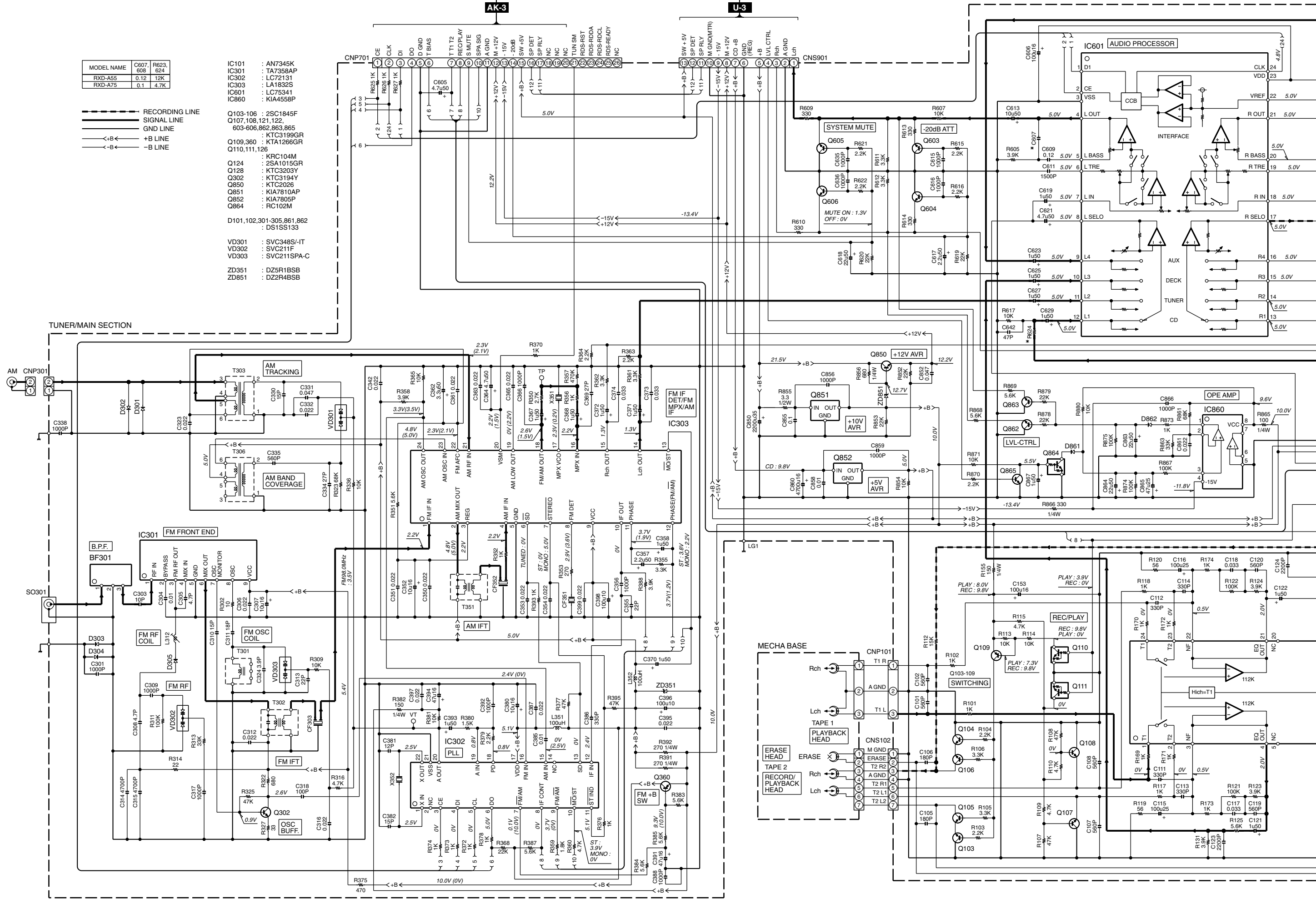
PC BOARD(Component side view)



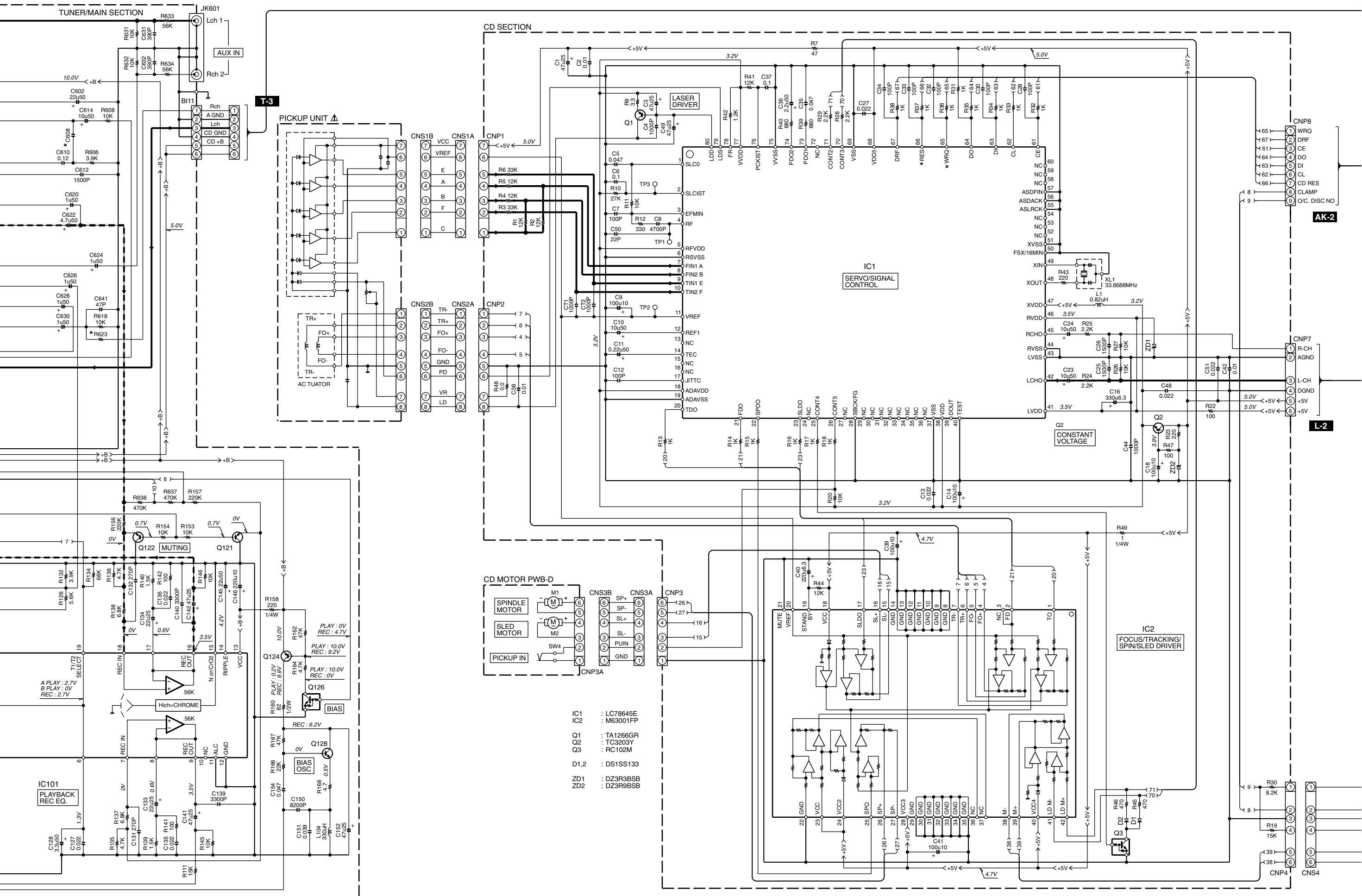
MODEL NAME	C607	R623
	608	624
RXD-A55	0.12	12K
RXD-A75	0.1	4.7K

--- RECORDING LINE
 --- SIGNAL LINE
 --- GND LINE
 --- +B LINE
 --- -B LINE

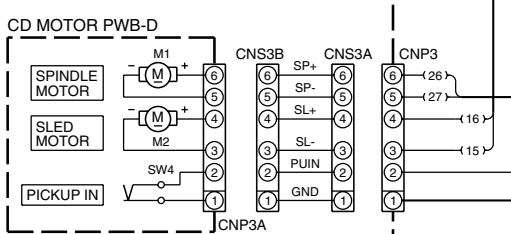
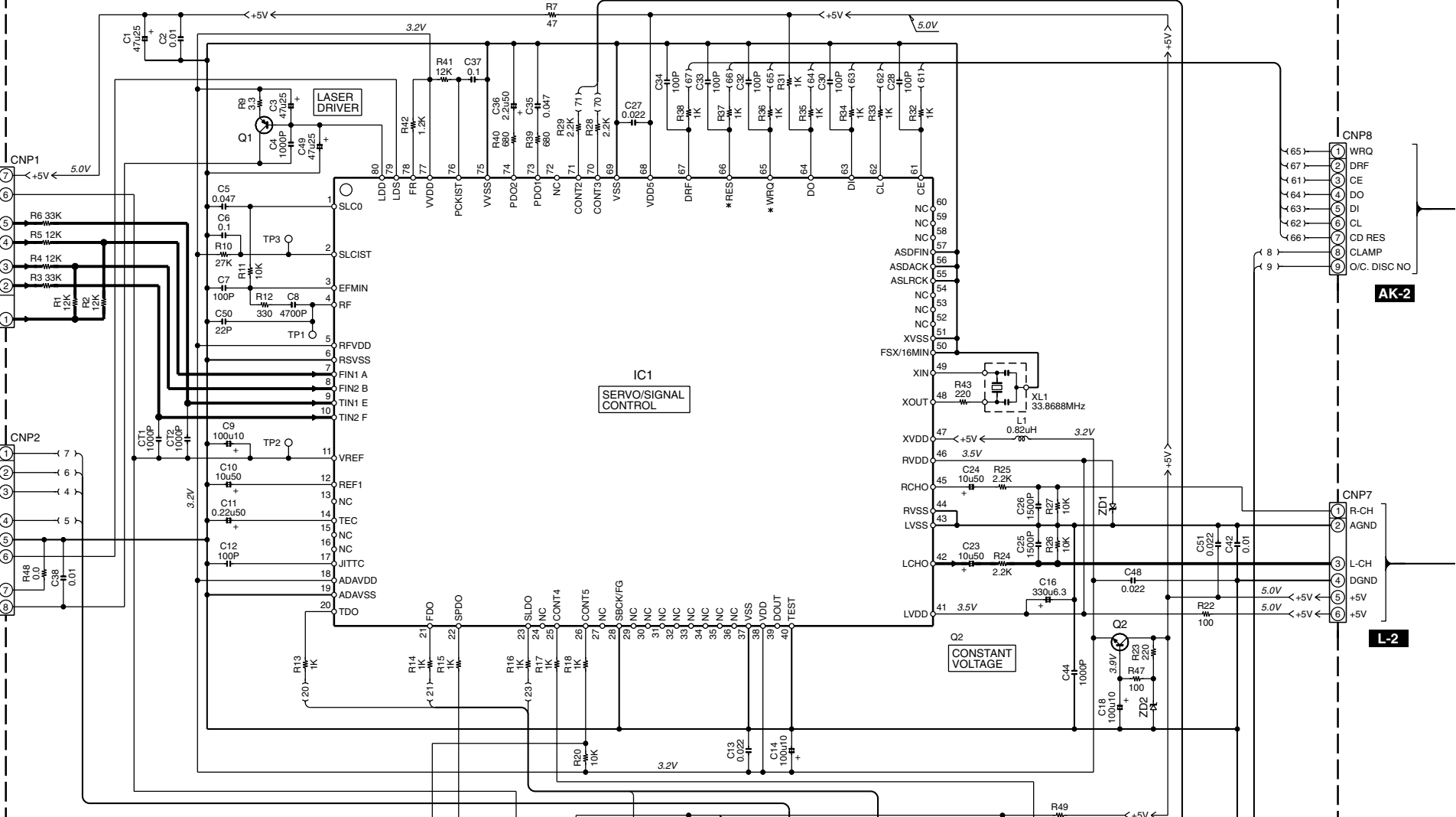
- IC101 : AN7345K
- IC301 : TA7358AP
- IC302 : LC72131
- IC303 : LA1832S
- IC601 : LC75341
- IC860 : KIA4558P
- Q103-106 : 2SC1845F
- Q107,108,121,122 : 603-606,862,863,865
- Q109,360 : KTC319GR
- Q110,111,126 : KTA1266GR
- Q124 : KRC104M
- Q128 : 2SA1015GR
- Q302 : KTC3203Y
- Q850 : KTC3194Y
- Q851 : KTC2026
- Q852 : KIA7810AP
- Q852 : KIA7805P
- Q864 : RC102M
- D101,102,301,305,861,862 : DS1SS133
- VD301 : SVC348S-IT
- VD302 : SVC211F
- VD303 : SVC211SPA-C
- ZD351 : DZ5R1BSB
- ZD851 : DZ2R4BSB



2
3
4
5
6
7

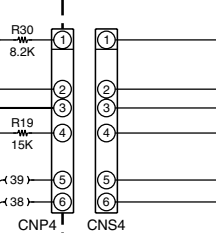
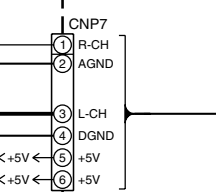
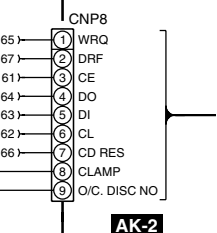
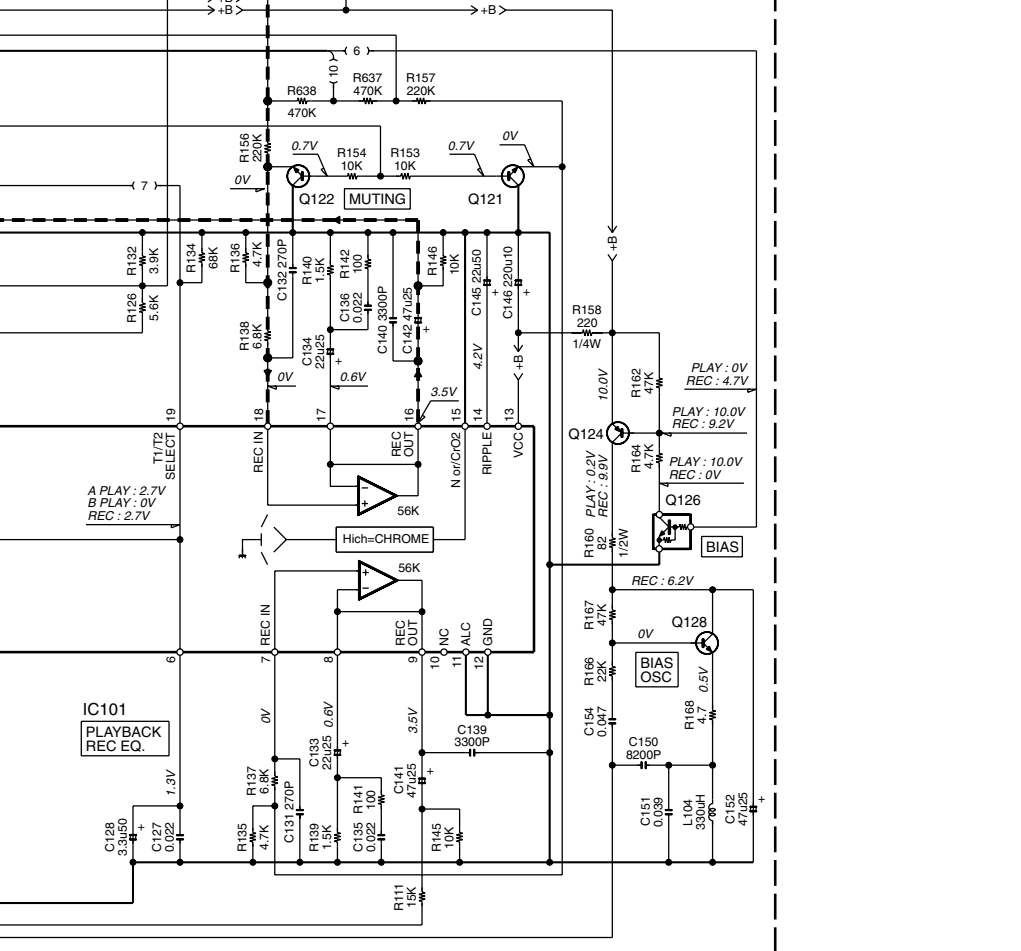
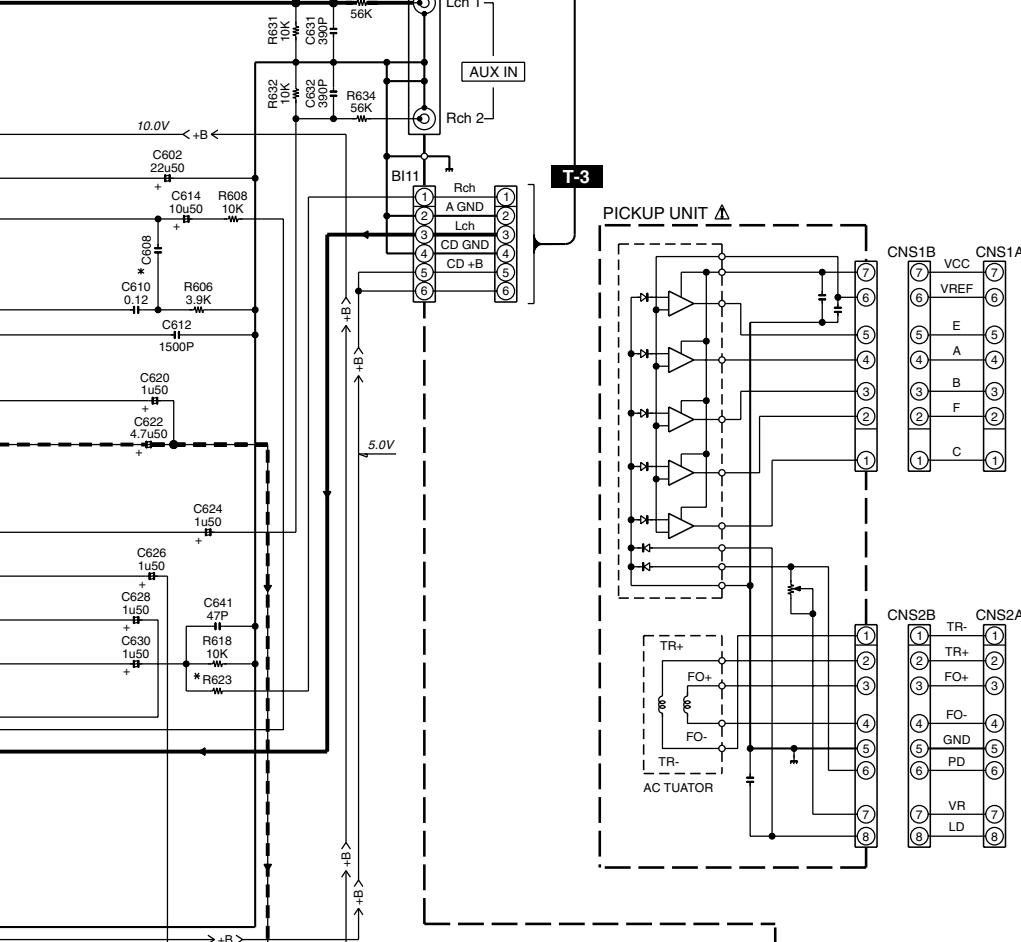


CD SECTION



- IC1 : LC78645E
- IC2 : M63001FP
- Q1 : TA1266GR
- Q2 : TC3203Y
- Q3 : RC102M
- D1,2 : DS1SS133
- ZD1 : DZ3R3BSB
- ZD2 : DZ3R9BSB

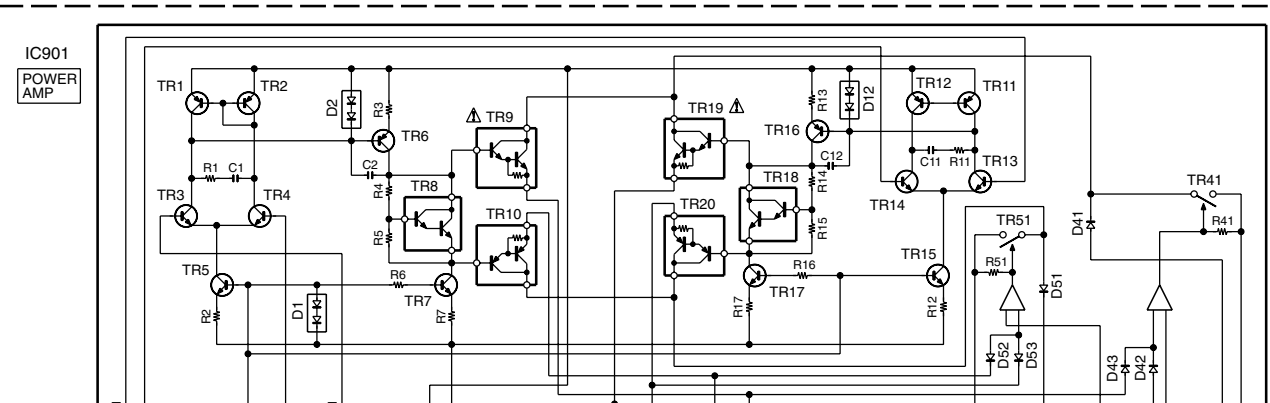
TUNER/MAIN SECTION



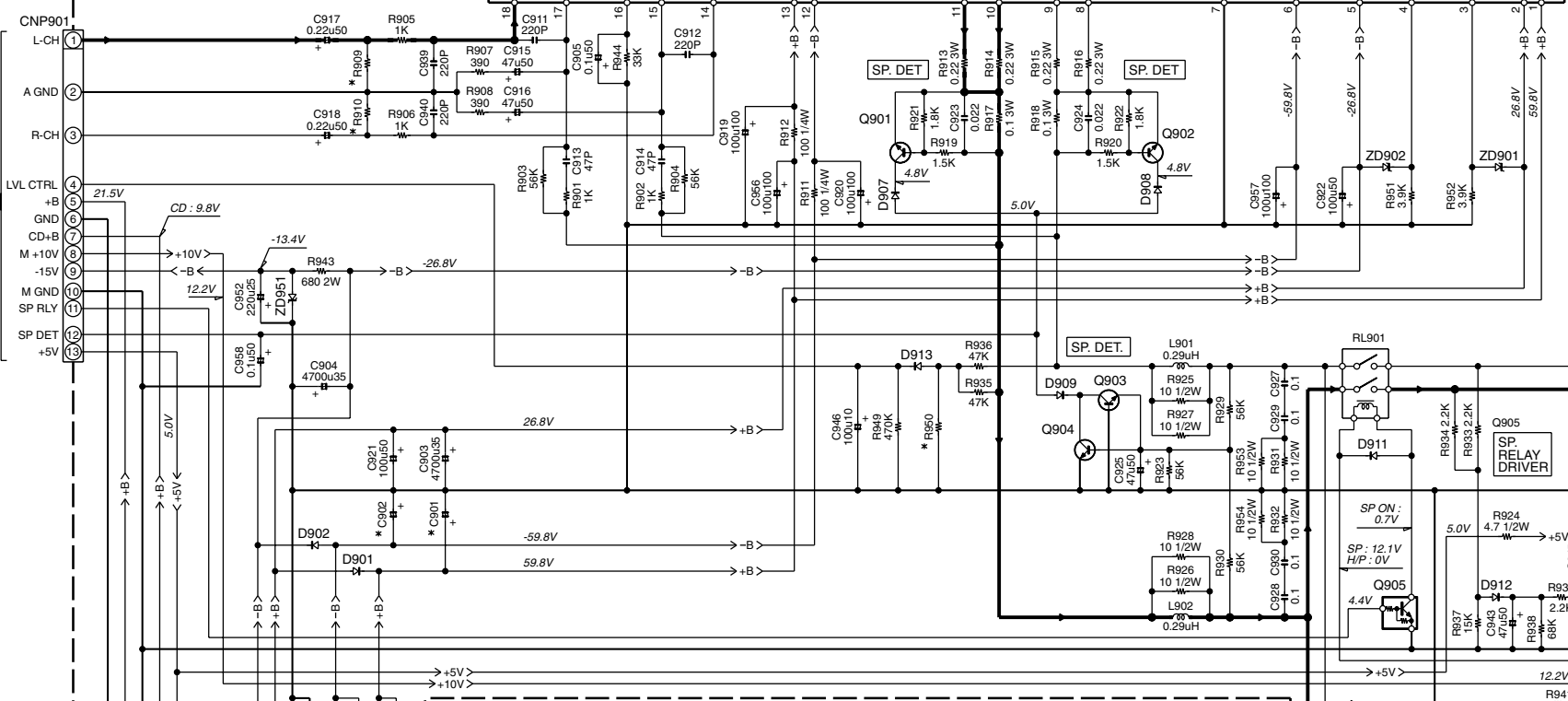
AK-2

L-2

- IC901 : STK41203 (A75)
 STK4121J (A55)
- Q801 : AN78L05
 Q802,901-904 : KTC3199GR
 Q803 : KTA1274Y
 Q905 : RC107M
 Q907 : KTC3203Y
- D801,806-808,850,851,
 907-909,911-913 : DS1SS133
 D802-805,811-816,818,
 901,902 : DS1N404S
 D809 : TS6B04GM
 D810 : D10XB60F
- ZD801 : ZD330BSC
 ZD802 : ZD26R2BSA
 ZD803 : ZD4R3BSC
 ZD804 : DZ110BSB
 ZD901,902 : DZ120BSB
 ZD951 : DZ130BSB

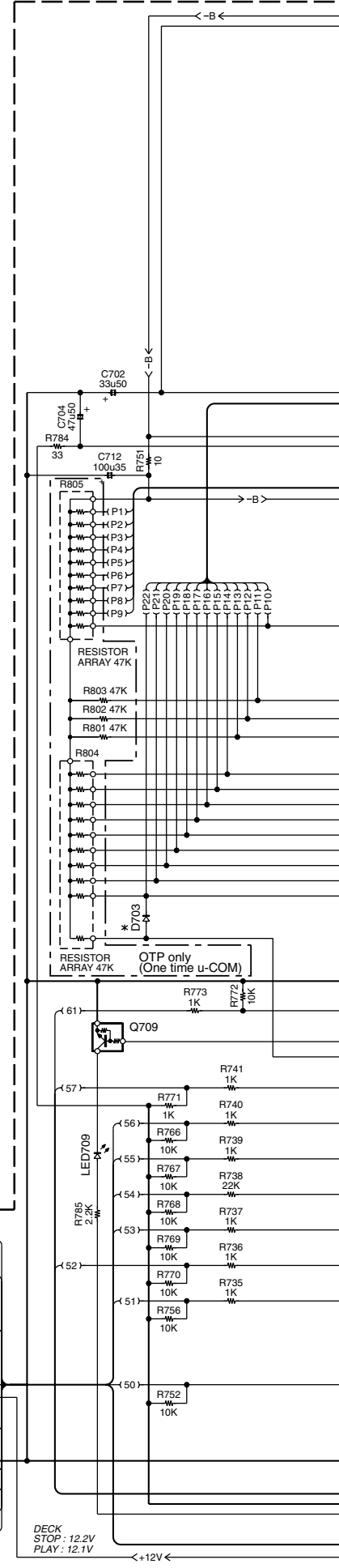


POWER SECTION

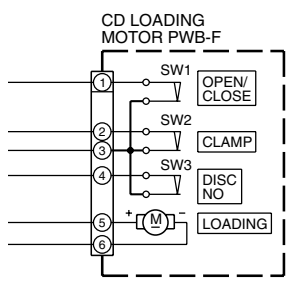


	11G	10G	9G	8G	7G	6G-2G	1G
P1	L1	K1	J1	Dp	d	d	d
P2	L2	K2	J2	d	d	d	d
P3	L3	K3	J3	c	c	c	c
P4	L4	K4	J4	n	n	n	n
P5	L5	K5	J5	p	p	p	p
P6	L6	K6	J6	r	r	r	r
P7	L7	K7	J7	e	e	e	e
P8	L8	K8	J8	m	m	m	m
P9	EX.BASS	K9	g	g	g	g	g
P10		K10	-	ool	-	-	-
P11		K11	b	b	b	b	b
P12		K12	SELECTOR	k	k	k	k
P13		K13	PGM	j	j	j	j
P14		K14	RPT.	h	h	h	h
P15		K15	RDM	f	f	f	f
P16	PTY	K16	ST.	a	a	a	a
P17	R&D S	K17	S1	S1	S1	S1	S1
P18	RT	K18	EQ.	S2	S2	S2	S2
P19	RTYI	K19	S3	S3	S3	S3	S3
P20	TI	K20	S4	S4	S4	S4	S4
P21	TP	K21	MHz	-	-	-	-
P22	TA	K22	REC	kHz	-	-	-

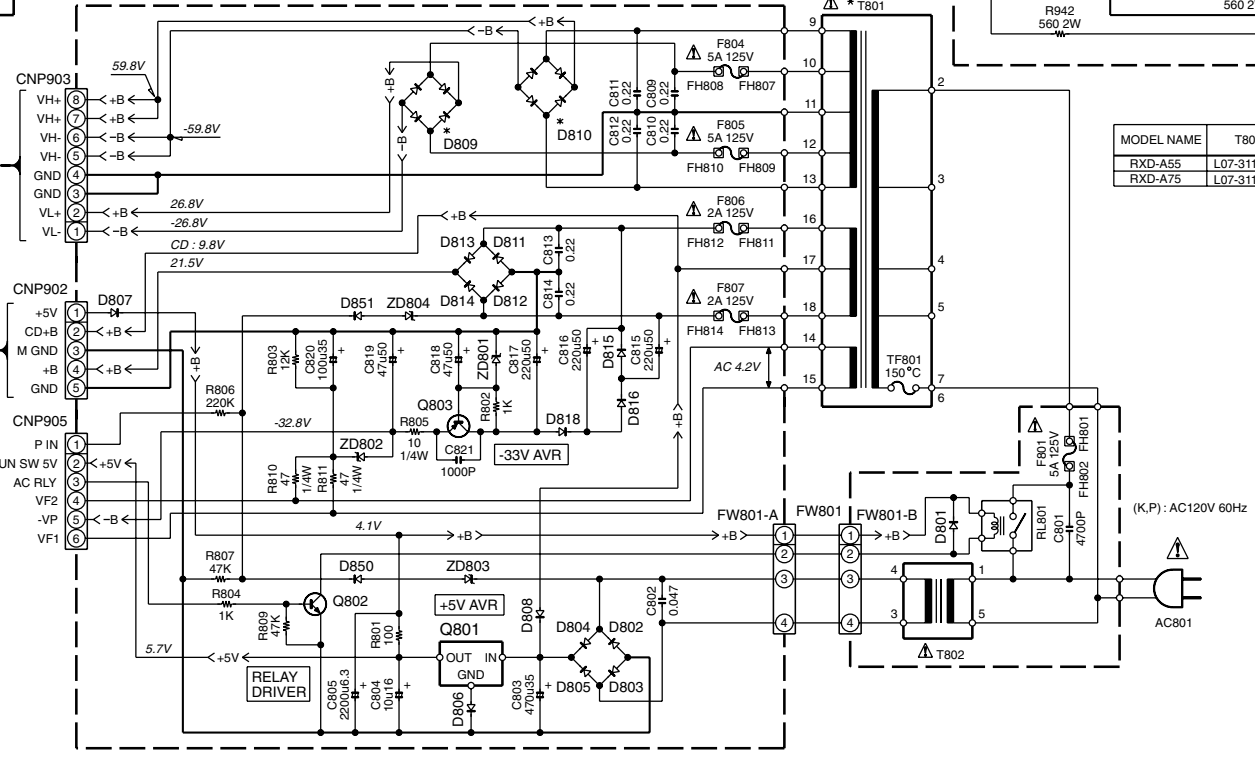
DISPLAY SECTION



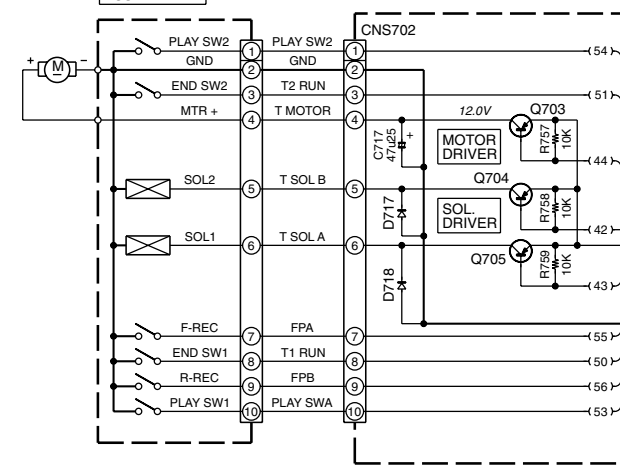
MODEL NAME	T801	C901, 902	R950	D703	R909	D809	D810
RXD-A55	L07-3118-08	3300u63	1.5K	YES	12K	D35B460F	TS6B04GM
RXD-A75	L07-3116-08	3300u71	1.2K	NO	56K	TS6B04GM	D10XB60F



AK-2

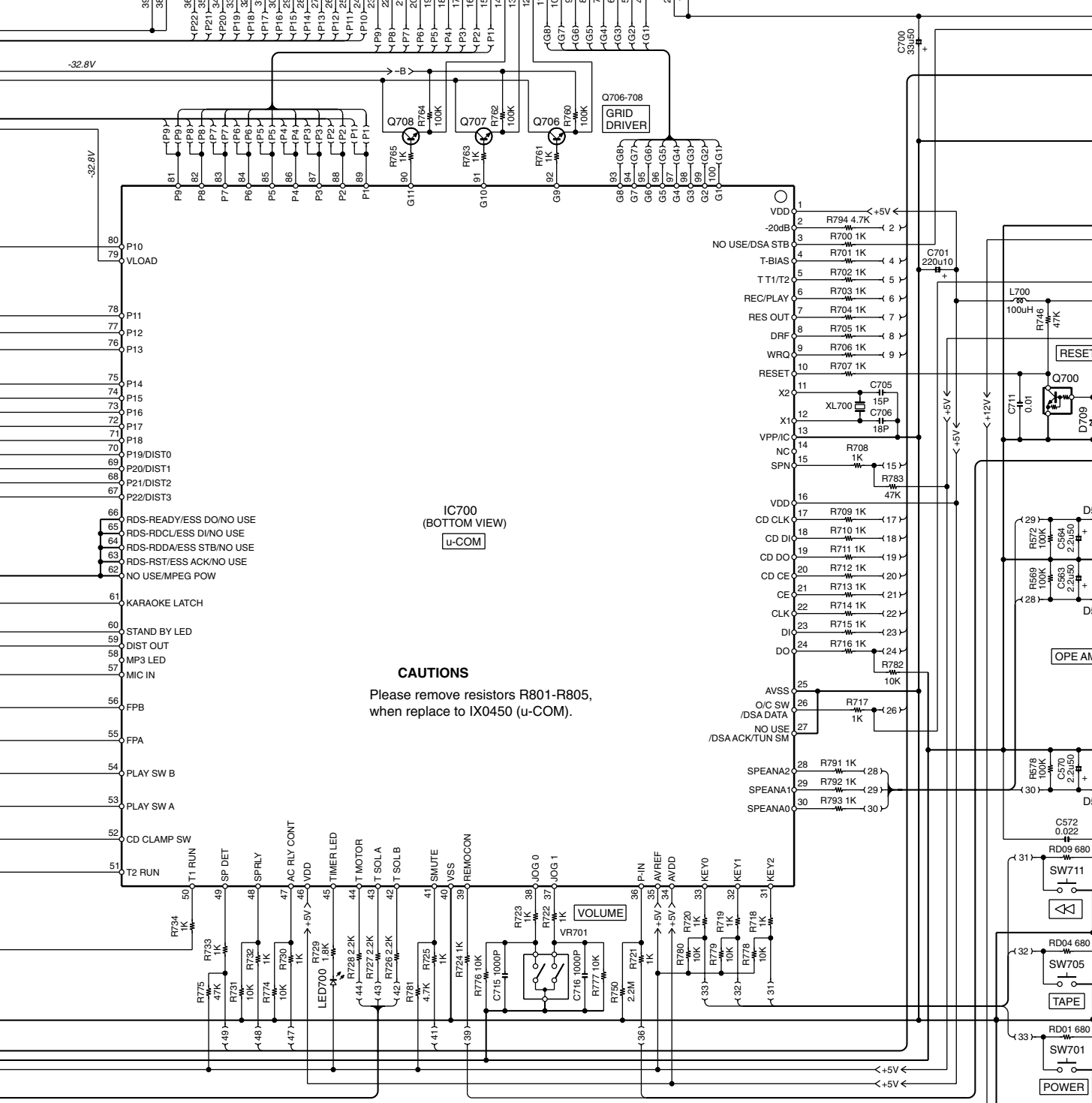
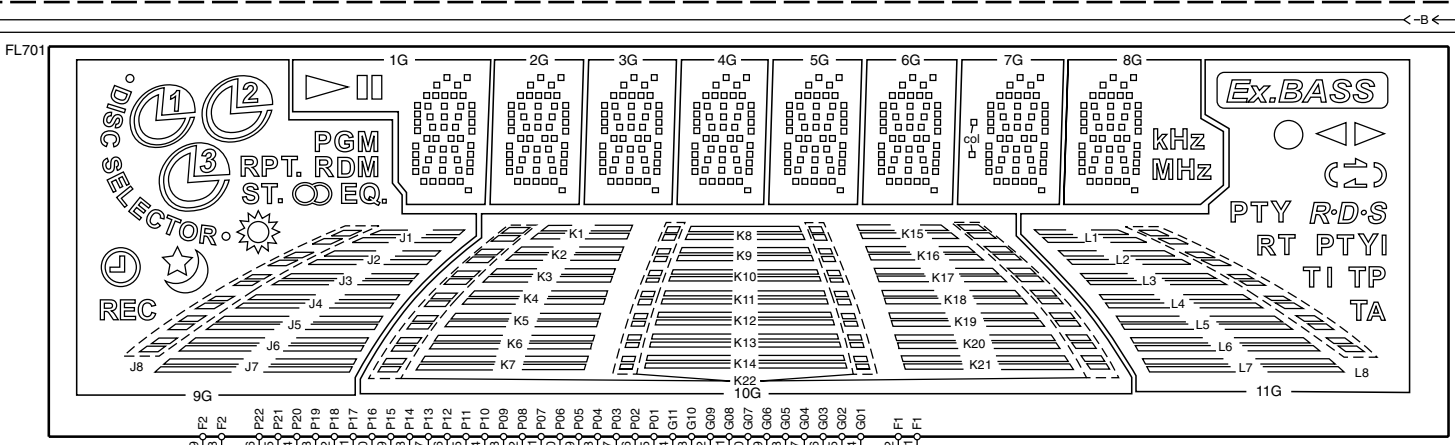


TAPE MECHA. ASSEMBLY

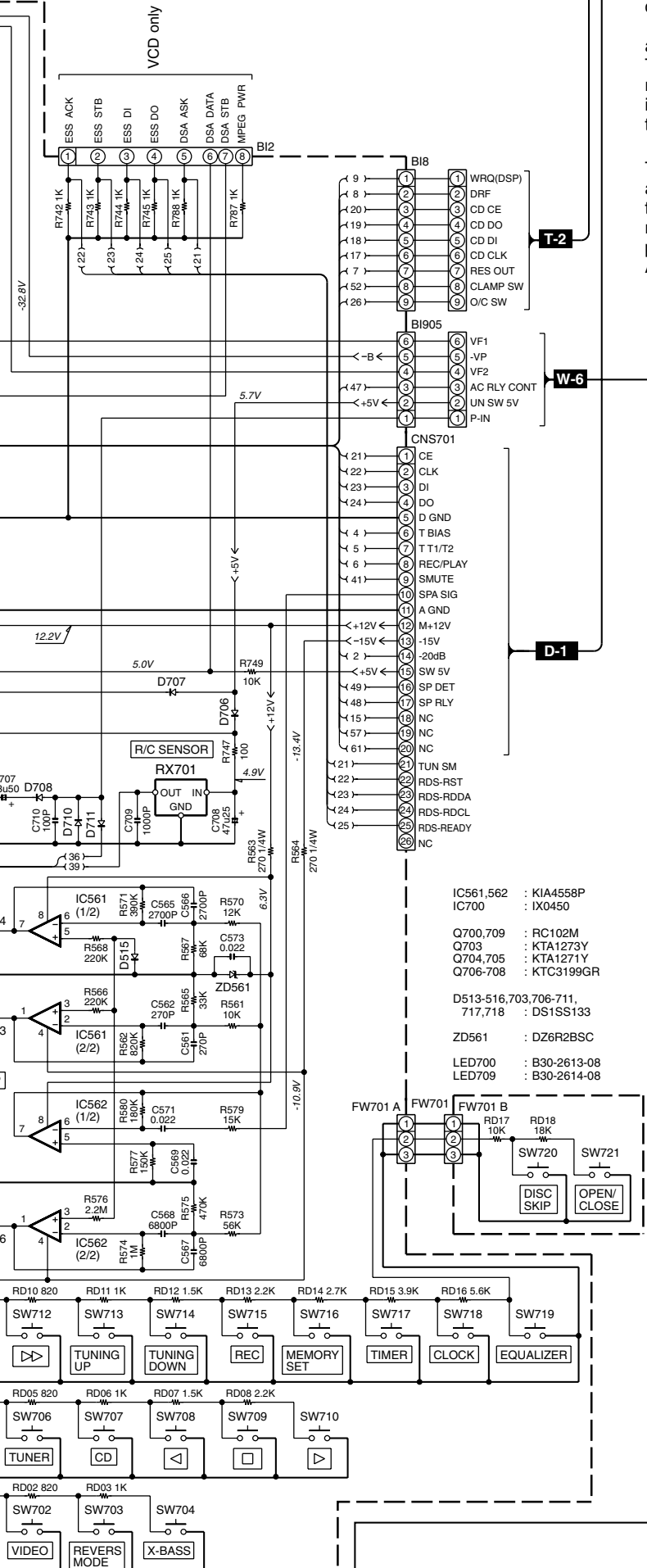


DECK STOP: 12.2V
 PLAY: 12.1V

DISPLAY SECTION



CAUTIONS
Please remove resistors R801-R805, when replace to IX0450 (u-COM).



CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter as the AM/FM signal generator is specified to the conditions as shown in the list below. The measurement value may vary depending on the measuring instruments used or on the product. The value shown in () is actual reading measured in the AM mode.

MODE	CARRIER	MODULATION		ANT INPUT
		FREQUENCY	DEVIATION	
FM	98MHz	1kHz	STEREO 67.5kHz 7.5kHz(Pilot)	60dB
AM	1000(999)kHz	400Hz	MONO 30% MOD	60dB

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- IC561,562 : KIA4558P
- IC700 : IX0450
- Q700,709 : RC102M
- Q703 : KTA1273Y
- Q704,705 : KTA1271Y
- Q706-708 : KTC3199GR
- D513-516,703,706-711,717,718 : DS1SS133
- ZD561 : DZ6R2BSC
- LED700 : B30-2613-08
- LED709 : B30-2614-08

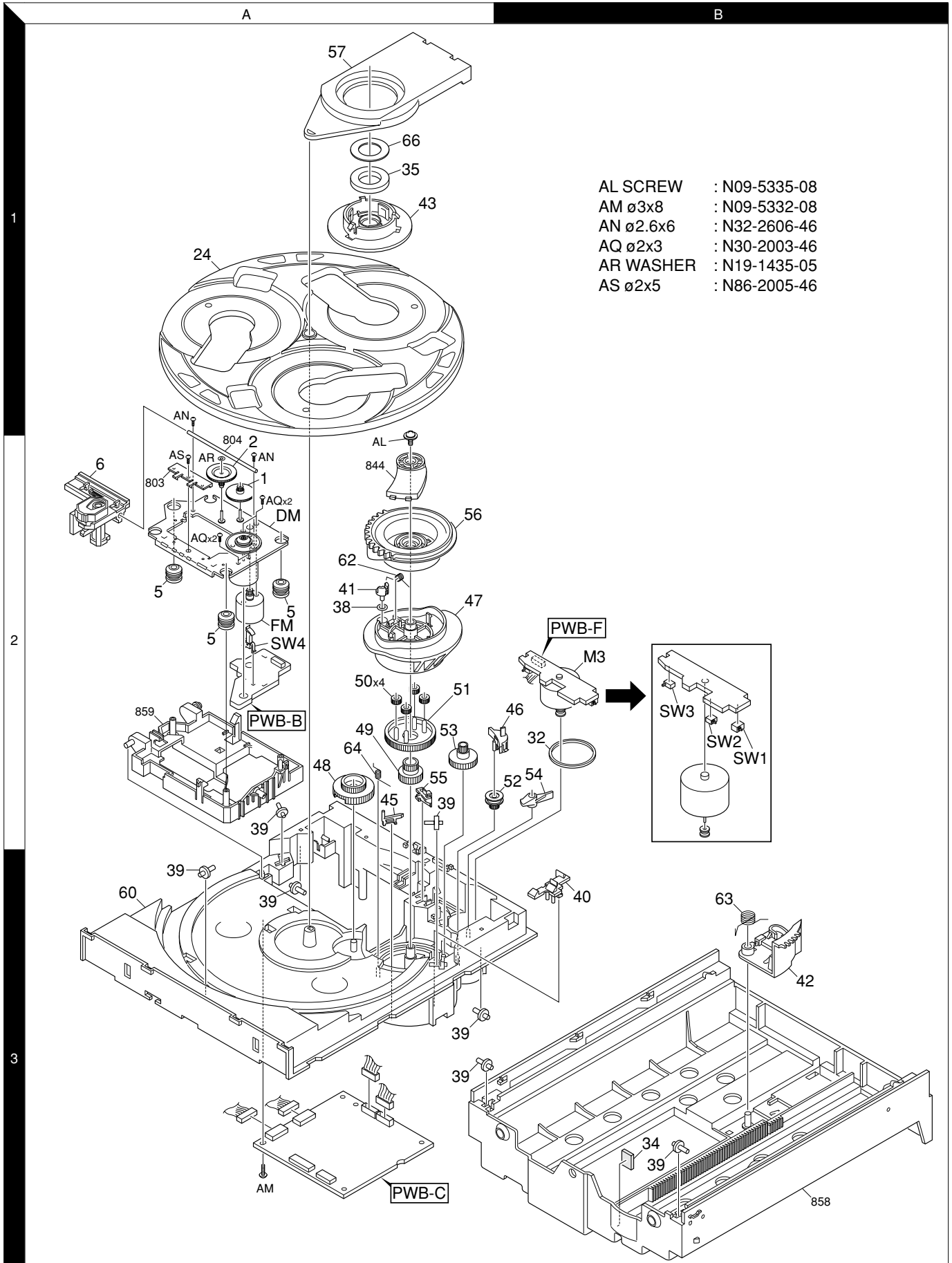
RXD-A75/A55

Y39-3960-10

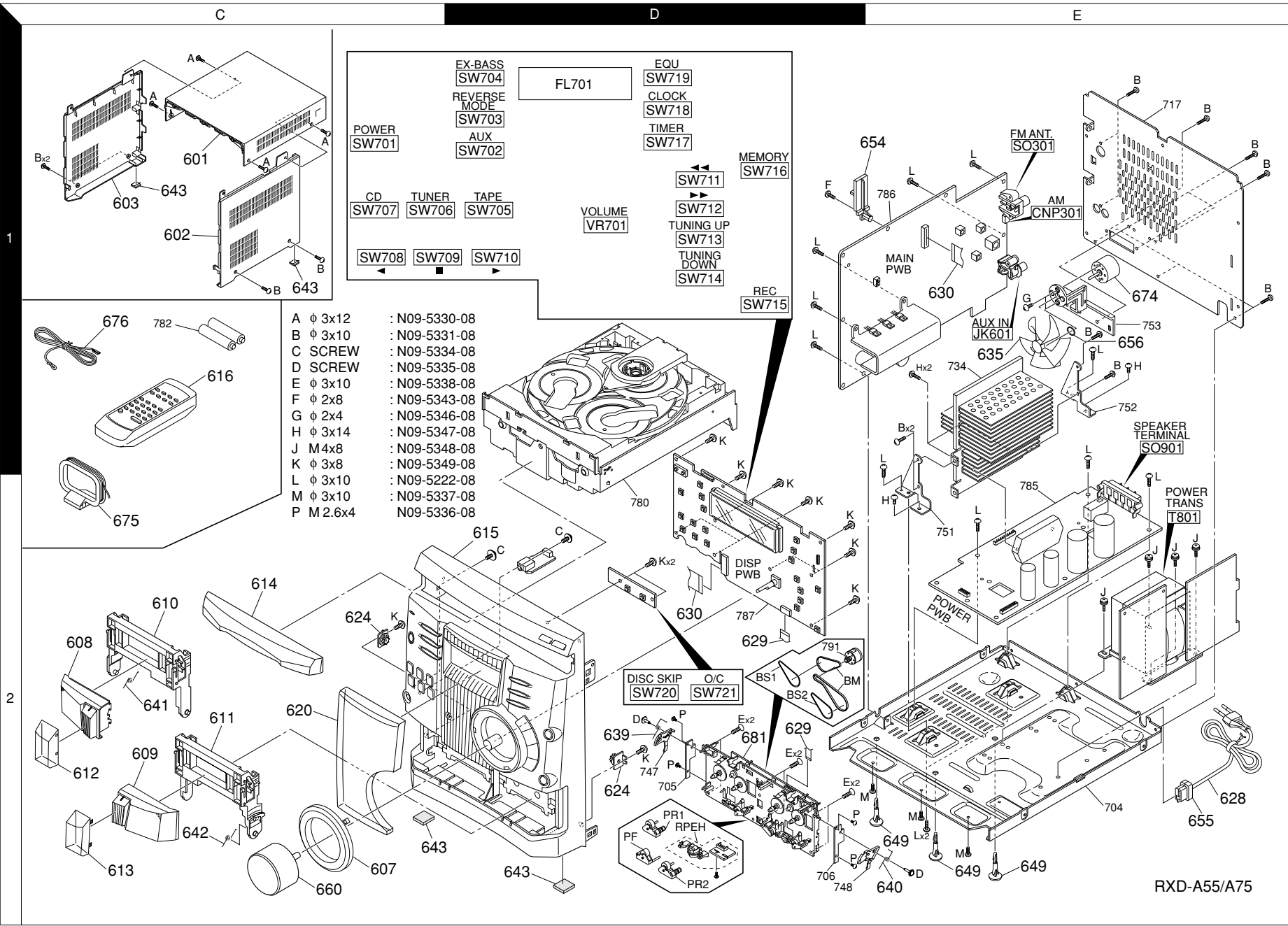
RXD-A55/A75
KENWOOD

RXD-A55/A75

EXPLODED VIEW (CD MECHANISM)



Parts with exploded numbers larger than 700 are not supplied.



RXD-A55/A75

* New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

11

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
Q103-106 Q107,108 Q109 Q110,111 Q121,122		*	2SC1845F KTC3199GR TA1266GR KRC104M KTC3199GR	TRANSISTOR VS2SC1845F/-1T TRANSISTOR VSKTC3199GR-1T TRANSISTOT VSKTA1266GR-1T TRANSISTOR VSKRC104M/-1T TRANSISTOR VSKTC3199GR-1T		
Q124 Q126 Q128 Q302 Q360		*	2SA1015GR KRC104M TC3203Y KTC3194Y TA1266GR	TRANSISTOR VS2SA1015GR-1T TRANSISTOR VSKRC104M/-1T TRANSISTOR VSKTC3203Y/-1T TRANSISTOR VSKTC3194Y/-1T TRANSISTOT VSKTA1266GR-1T		
Q603-606 Q700 Q703 Q704,705 Q706-708			KTC3199GR RC102M KTA1273Y KTA1271Y KTC3199GR	TRANSISTOR VSKTC3199GR-1T TRANSISTOR VSKRC102M/-1T TRANSISTOR VSKTA1273Y/-1T TRANSISTOR VSKTA1271Y/-1T TRANSISTOR VSKTC3199GR-1T		
Q709 Q801 Q802 Q803 Q850			RC102M AN78L05 KTC3199GR KTA1274Y KTC2026	TRANSISTOT VSKRC102M/-1T IC(VOLTAGE REGULATOR/+5V)/-1T TRANSISTOR VSKTC3199GR-1T TRANSISTOR VSKTA1274Y/-1T TRANSISTOR VSKTC2026//1		
Q851 Q852 Q862,863 Q864 Q865		*	KIA7810AP KIA7805AP KTC3199GR RC102M KTC3199GR	IC VHIIKIA7810AP1 MOS-IC VHIIKIA7805AP1 TRANSISTOR VSKTC3199GR-1T TRANSISTOT VSKRC102M/-1T TRANSISTOR VSKTC3199GR-1T		
Q901-904 Q905 Q907 ZD1 ZD2		*	KTC3199GR RC107M TC3203Y DZ3R3BSB DZ3R9BSB	TRANSISTOR VSKTC3199GR-1T TRANSISTOR VSKRC107M/-1T TRANSISTOR VSKTC3203Y/-1T ZENER DIODE VHEDZ3R3BSB-1T ZENER DIODE VHEDZ3R9BSB-1T		
ZD351 ZD561 ZD801 ZD802 ZD803		*	DZ5R1BSB DZ6R2BSC DZ330BSC DZ6R2BSA DZ4R3BSC	ZENER DIODE VHEDZ5R1BSB-1T ZENER DIODE VHEDZ6R2BSC-1T ZENER DIODE VHEDZ330BSC-1T ZENER DIODE VHEDZ6R2BSA-1T ZENER DIODE VHEDZ4R3BSC-1T		
ZD804 ZD851 ZD901,902 ZD951		*	DZ110BSB DZ2R4BSB DZ120BSB DZ130BSB	ZENER DIODE VHEDZ110BSB-1T ZENER DIODE VHEDZ2R4BSB-1T ZENER DIODE VHEDZ120BSB-1T ZENER DIODE VHEDZ130BSB-1T		
RX701			W02-2689-08	OPTICAL MODULE VHLN63H380A-1		
CD MECHANISM						
1	2A		D13-1869-08	GEAR NGERH0011AWZZ		
2	2A		D13-1870-08	GEAR NGERH0012AWZZ		
5	2A	*	G13-2515-08	GUSHION MCUSN1524A		
6	2A	*	T25-0115-08	OPTICAL PICKUP HPC1LXASY		
24	1A	*	D02-0145-08	TURNTABLE PT0331105		
32	2B	*	D16-0776-08	BELT BE231616		
34	3B	*	J39-1037-08	SPACER EVA0330702		
35	1A	*	T99-0656-08	MAGNET MAG0104302		
38	2A	*	J39-1036-08	SPACER NM0305401		
39	2A,3A	*	D14-0818-08	ROLLER PT0303002		
40	3B	*	D10-5013-08	LEVER(STOP) PT0304303		
41	2A	*	D32-0370-08	STOPPER PT0304304		
42	3B	*	D10-5012-08	LEVER(LOCK) PT0304305		
43	1A	*	J19-6229-08	STABILIZER PT0304306		

L : Scandinavia K : USA P : Canada R : Mexico C : China I : Malaysia
Y : PX(Far East,Hawaii) T : England E : Europe G : Germany V : China(Shanghai) 5 : RXD-A55 7 : RXD-A75
Y : AAFES(Europe) X : Australia Q : Russia H : Korea M : Other Areas Δ indicates safety critical components .

* New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

12

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
45	2A	*	D19-0329-08	PIN(LOCK) PT0304308		
46	2B	*	F09-0162-08	CAP PT0304309		
47	2A	*	D13-2565-08	GEAR PT0305413		
48	2A	*	D13-2559-08	GEAR PT0309506		
49	2A	*	D13-2561-08	GEAR PT0309507		
50	2A	*	D13-2563-08	GEAR PT0309508		
51	2A	*	D13-2560-08	GEAR PT0309509		
52	2B	*	D15-0445-08	PULLEY(GEAR) PT0309510		
53	2A	*	D13-2562-08	GEAR PT0309511		
54	2B	*	D10-5014-08	LEVER(CLAMP) PT0311101		
55	2A	*	D10-5015-08	LEVER(DISC) PT0311102		
56	2A	*	D13-2564-08	GEAR(CAM) PT0312005		
57	1A	*	J19-6227-08	HOLDER PT0320201		
60	3A	*	J99-0834-08	TRAY(SLIDE) PT0331003		
62	2A	*	G01-4278-08	SPRING(STOP) SP0304303		
63	3B	*	G01-4277-08	SPRING(LOCK) SP0304305		
64	2A	*	G01-4279-08	SPRING SP0304306		
66	1A	*	D19-0330-08	METAL PLATE MT0304302		
AL	2A	*	N09-5335-08	MACHINE SCREW LX-BZ2222AXZZ		
AM	3A	*	N09-5332-08	MACHINE SCREW SC0308MBZ1		
AR		*	N19-1526-08	FLAT WASHER LX-WZ1070AFZZ		
DM	2A	*	D40-1738-08	MOTOR ASSY MMTR2790A		
FM	2A	*	T42-1114-08	MOTOR ASSY MMTR1854A		
M3	2B	*	T41-0140-08	MOTOR ASS'Y TWMEN7E6Y		

L : Scandinavia K : USA P : Canada R : Mexico C : China I : Malaysia
Y : PX(Far East,Hawaii) T : England E : Europe G : Germany V : China(Shanghai) 5 : RXD-A55 7 : RXD-A75
Y : AAFES(Europe) X : Australia Q : Russia H : Korea M : Other Areas Δ indicates safety critical components .

PARTS LIST

RXD-A55/A75

SPECIFICATIONS

XD-A55

Main Unit

[Amplifier section]

Rated power output

watts per channel minimum RMS, both channels driven, at 6 Ω from 70 Hz to 20 kHz with no more than % total harmonic distortion. (FTC)

Effective output power during STEREO operation
1 kHz, 10% T.H.D., 6 Ω (RMS)100W

Signal to noise ratio

VIDEO/AUX INPUT 88 dB (IHF' 66)

Input sensitivity / impedance

VIDEO/AUX INPUT 600 mV / 47 k Ω

[Tuner section]

FM tuner section

Tuning frequency range ... 87.5 MHz ~ 108 MHz

AM Tuner section

Tuning frequency range 530kHz ~ 1,720kHz

[Cassette deck section]

Track 4-track. 2-channel stereo

Recording system AC bias system
(Frequency: 100 kHz)

Heads

A deck : Playback head 1

B deck : Playback / recording head 1

Erasing head 1

Fast winding time Approx. 100 seconds
(C-60 tape)

[CD player section]

Laser wave length 770 to 795 nm

Laser power class 1 (FDA)

Wow & Flutter Less than unmeasurable Limit

[General]

Power consumption 130W

Dimensions W : 270 mm (10-5/8")

H : 330 mm (13")

D : 390 mm (15-3/8")

Weight (net) 7.9 kg (17.4 lb)

Speakers (LS-N50S)

Enclosure Bass-reflex type

Speaker configuration

Woofers 160 mm, cone type

Tweeter 50 mm, cone type

Super-tweeter 20 mm, dome type

Impedance 6 Ω

Maximum input power 100W

Dimensions W : 226 mm (8-7/8")

H : 330 mm (13")

D : 225 mm (8-7/8")

Weight (net) 3.5kg (7.7 lb) (1 piece)

RXD-A55/A75

SPECIFICATIONS

XD-A75

Main Unit

[Amplifier section]

Rated power output

watts per channel minimum RMS, both channels driven, at 6 Ω from 70 Hz to 20 kHz with no more than % total harmonic distortion. (FTC)

Effective output power during STEREO operation
1 kHz, 10% T.H.D., 6 Ω (RMS) 150W

Signal to noise ratio

VIDEO/AUX INPUT 88 dB (IHF' 66)

Input sensitivity / impedance

VIDEO/AUX INPUT 600 mV / 47 k Ω

[Tuner section]

FM tuner section

Tuning frequency range ... 87.5 MHz ~ 108 MHz

AM Tuner section

Tuning frequency range 530kHz ~ 1,720kHz

[Cassette deck section]

Track 4-track, 2-channel stereo
Recording system AC bias system
(Frequency: 100 kHz)

Heads

A deck : Playback head 1

B deck : Playback / recording head 1

Erasing head 1

Fast winding time Approx. 100 seconds
(C-60 tape)

[CD player section]

Laser wave length 770 to 795 nm

Laser power class 1 (FDA)

Wow & Flutter Less than unmeasurable Limit

[General]

Power consumption 180W

Dimensions W : 270 mm (10-5/8")

H : 330 mm (13")

D : 390 mm (15-3/8")

Weight (net) 8.7 kg (19.2 lb)

Speakers (LS-N70S)

Enclosure Bass-reflex type

Speaker configuration

Woofer 160 mm, cone type

Tweeter 50 mm, cone type

Super-tweeter 20 mm, dome type

Impedance 6 Ω

Maximum input power 150W

Dimensions W : 226 mm (8-7/8")

H : 330 mm (13")

D : 256 mm (10 1/16")

Weight (net) 3.8 kg (8.4 lb) (1 piece)

Note:

Component and circuit are subject to modification to insure best operation under differing local conditions. This manual is based on Europe (E) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

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