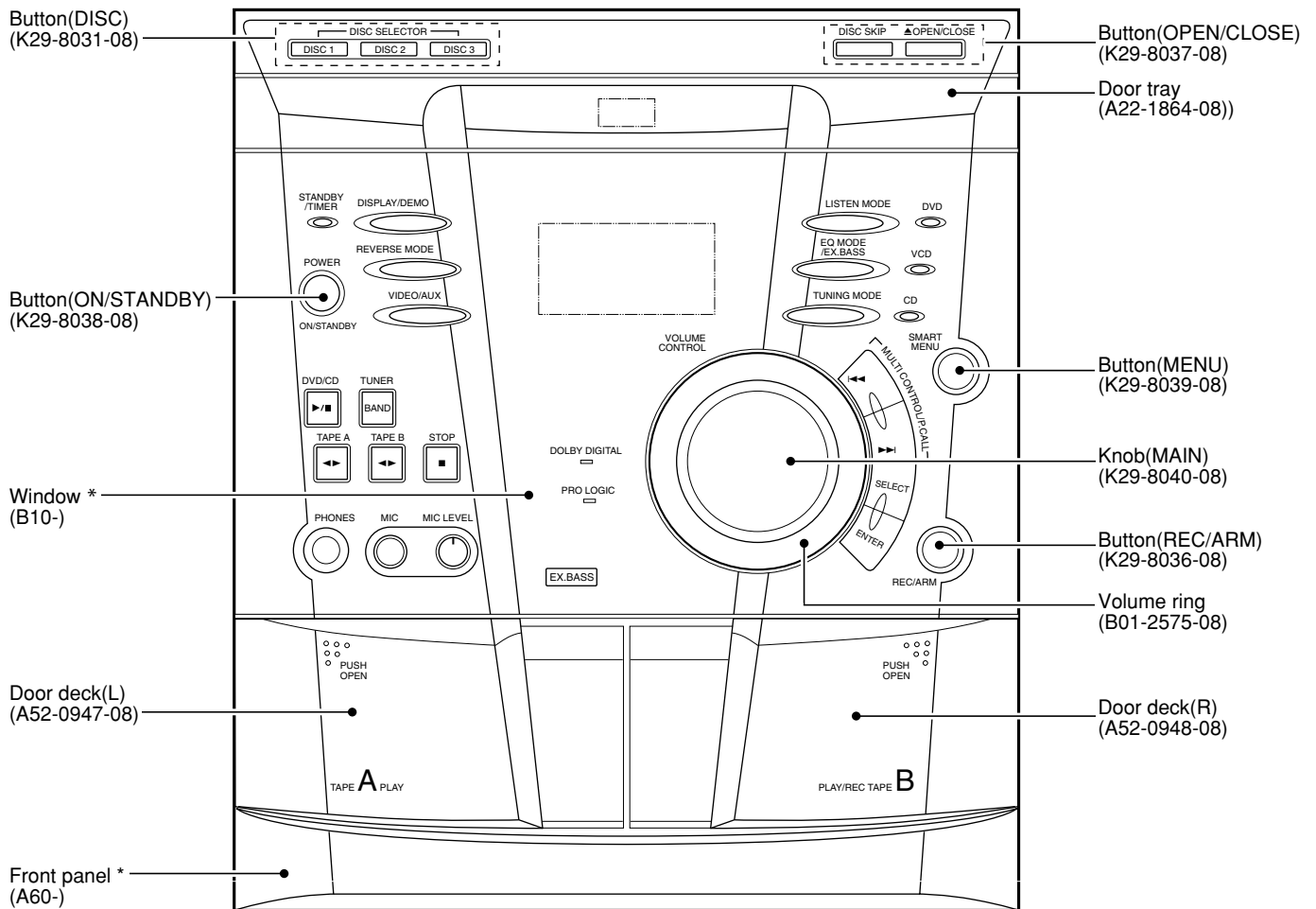


# RXD-DV90

## SERVICE MANUAL

### (XD-DV80/DV90)



M and M2 types are available for MIC circuit.

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

\* Refer to parts list on page 31 .

KENWOOD-Corp. 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.**




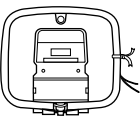
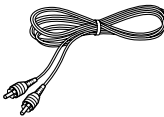
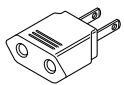
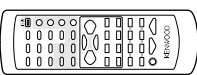
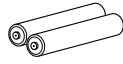
# RXD-DV90

## CONTENTS / ACCESSORIES / CAUTIONS

### Contents

CONTENTS / ACCESSORIES / CAUTIONS.....	2	SCHEMATIC DIAGRAM .....	15
EXTERNAL VIEW .....	3	EXPLODED VIEW .....	29
ADJUSTMENT .....	4	PARTS LIST.....	31
WIRING DIAGRAM.....	5	SPECIFICATIONS .....	Back cover
PC BOARD .....	6		

### Accessories

<p>FM indoor antenna (1) (T90-0881-08)</p> 	<p>Loop antenna (1) (T90-0882-08)</p> 	<p>Video cord (1) (E30-7235-08)</p> 	<p>*AC plug adaptor (1) (E03-0115-05)</p>  <p>* Use to adapt the plug on the power cord to the shape of the wall outlet. (Accessory only for regions where use is necessary.)</p>
<p>Remote control unit (1) (A70-1533-08): DV90K....YX (A70-1534-08): DV90E....TE (A70-1535-08): DV90M....MM2</p> 	<p>Batteries (R6/AA) (2)</p> 		

### System configurations

SYSTEM	RECEIVER	SPEAKER	SPEAKER
XD-DV90	RXD-DV90	LS-N90V	CRS-N90V
XD-DV90(M2)	RXD-DV90(M2)	LS-N90V	CRS-N90V
XD-DV80	RXD-DV90	LS-N70V	CRS-N90V
XD-DV80(Y)	RXD-DV90	LS-N70V-H	CRS-N90V
XD-DV80(M2)	RXD-DV90(M2)	LS-N70V	CRS-N90V

### Cautions

#### **The marking of products using lasers (Except for some areas)**



The marking is located on the rear panel and says that the component uses laser beams that have been classified as Class 1. It means that the unit is utilizing laser beams that are of a weaker class. There is no danger of hazardous radiation outside the unit.

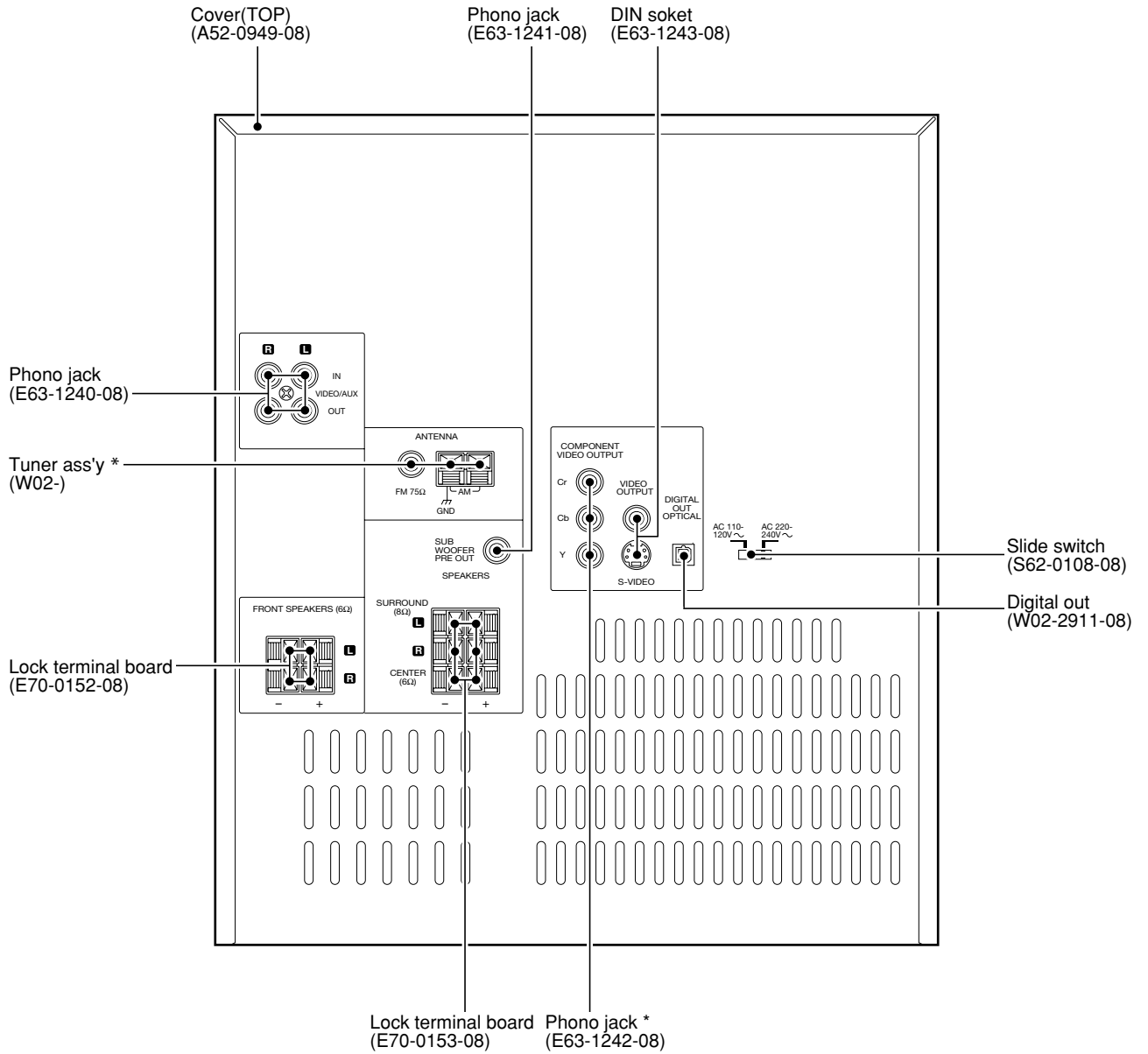
#### **Operation to reset**

The microcomputer may fall into malfunction (impossibility to operate, erroneous display, etc.) when the power cord is unplugged while power is ON or due to an external factor. In this case, execute the following procedure to reset the microcomputer and return it to normal condition.

**Set the POWE key to ON. Then press the VIDEO/AUX key while holding the TUNING MODE key down.**

- Please note that resetting the microcomputer clears the contents stored in and returns and to condition when it left the factory.

## EXTERNAL VIEW



\* Refer to parts list on page 31 .

# RXD-DV90

## ADJUSTMENT

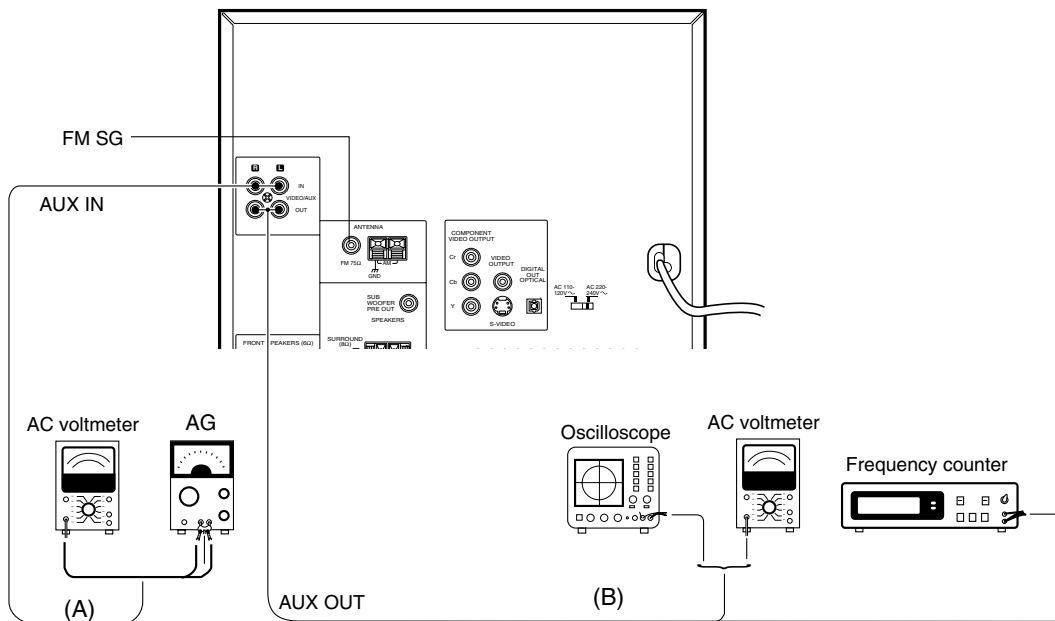
### CASSETTE DECK SECTION

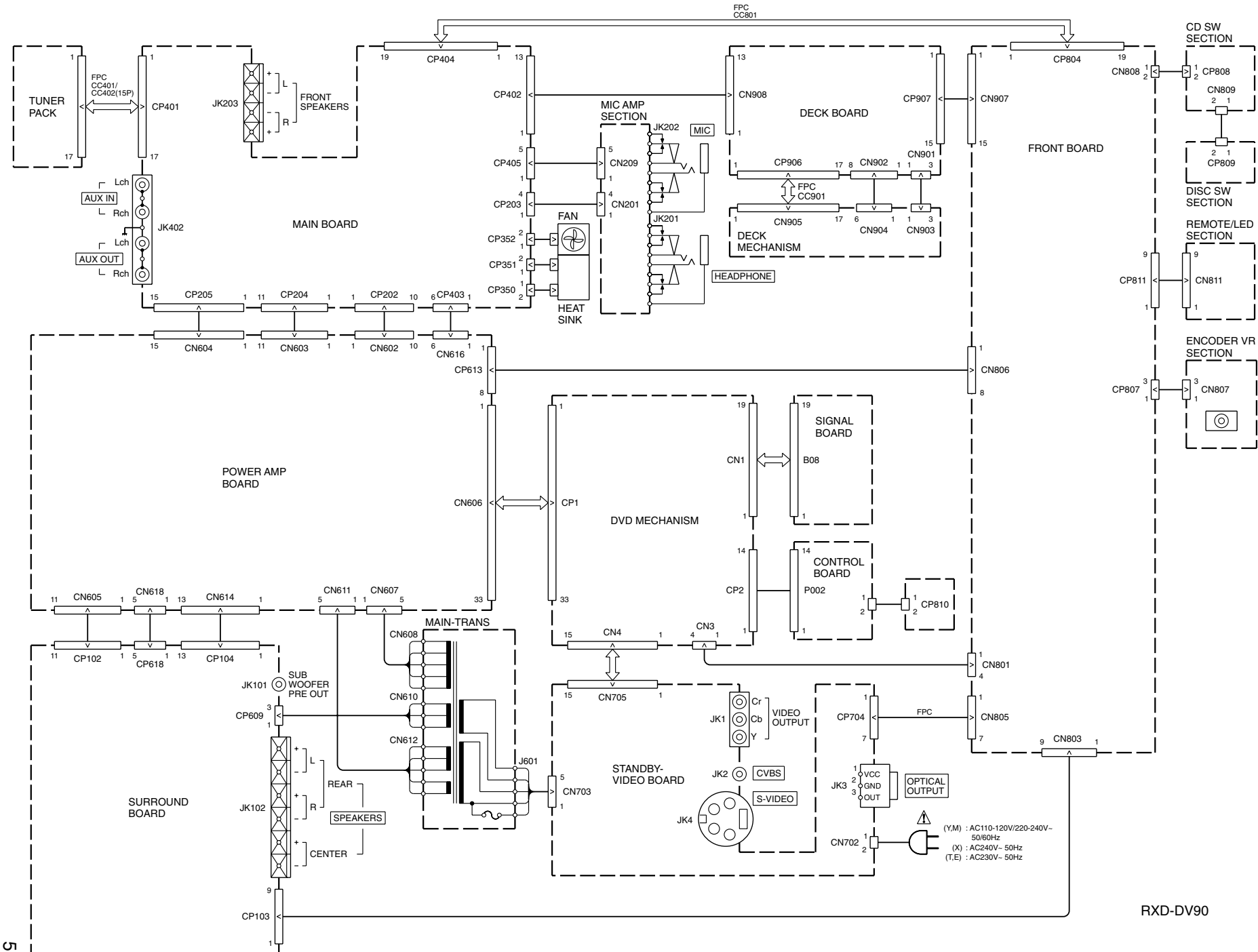
NO	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	CASSETTE TAPE DECK SETTINGS	ALIGNMENT POINT	ALIGN FOR
<b>1. Cassette mechanism section (REC/PB head adjustment)</b>						<b>0dB = 400mV</b>
[1]	Demagnetization and cleaning	-	-	Power OFF demagnetization, cleaning play	REC/PB head, erase head, capstan, pinch roller	Demagnetize the REC/PB head by head eraser. Clean the REC/PB head, erase head capstan and pinch roller with a cotton swab immersed in alcohol.
[2]	azimuth REC/PB Head azimuth	MTT-114 TCC-153 10KHz, -10dB	(B) AUX OUTPUT	PLAY	Azimuth adjustment screw	Adjust the output to maximum and adjust the azimuth adjustment screw for the Lissajours waveform pattern of the oscilloscope to become close to a 45° straight line.
<b>2. PC board adjustment</b>						
[1]	Tape speed	MTT-111 TCC-100 3KHz, -4dB	(B) AUX OUTPUT	PLAY	VR901	Adjust the tape speed so that 3kHz is obtained at the center of the tape. (Frequency of 3KHz +/- 40Hz)
[2]	PLAY BACK LEVEL	MTT-130	(B) AUX OUTPUT	PLAY	-	Playback output to 400mV +/- 50mV
[3]	REC BIAS Frequency	REC/PB TEST TAPE AC-224	(B) AUX OUTPUT	REC	T901	CN902 Pin1 and Pin2(GND) Ensure that the Frequency Counter Adjust T901 to obtain this of 105KHz +/- 5KHz
[4]	REC BIAS Current	REC/PB TEST TAPE AC-224 (A) AUX IN: 50mV 400Hz	(B) AUX OUTPUT	REC/PLAY	VR903(L) VR904(R)	Record 400Hz and 10.0kHz alternately, and adjust the bias current adjustment 1. TP1(+) and TP2(GND) Adjust VR903(L-CH) to obtain this of 3.5mV 2. TP3(+) and TP4(GND) Adjust VR904(R-CH) to obtain this of 3.5mV * potentiometer for the playback levels to become the same. (Spec.: +/-5dB)

### AMPLIFIER SECTION

NO	ITEM	INPUT SETTING	OUTPUT SETTING	AMPLIFIER SETTING	ALIGNMENT POINT	ALIGN FOR
[1]	IDLE CURRENT	NO SIGNAL VR(Min.)	-	AUX FUNCTION	VR201(L) VR202(R)	1. R234 Side Pin1 and Pin3 Adjust VR201 to obtain this of +8 mV 1. R301 Side Pin1 and Pin3 Adjust VR202 to obtain this of +8 mV (Spec.: +8mV +/-3mV) # Idle Current: 20mA

### Measurement Equipment Connections





WIRING DIAGRAM

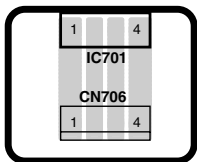
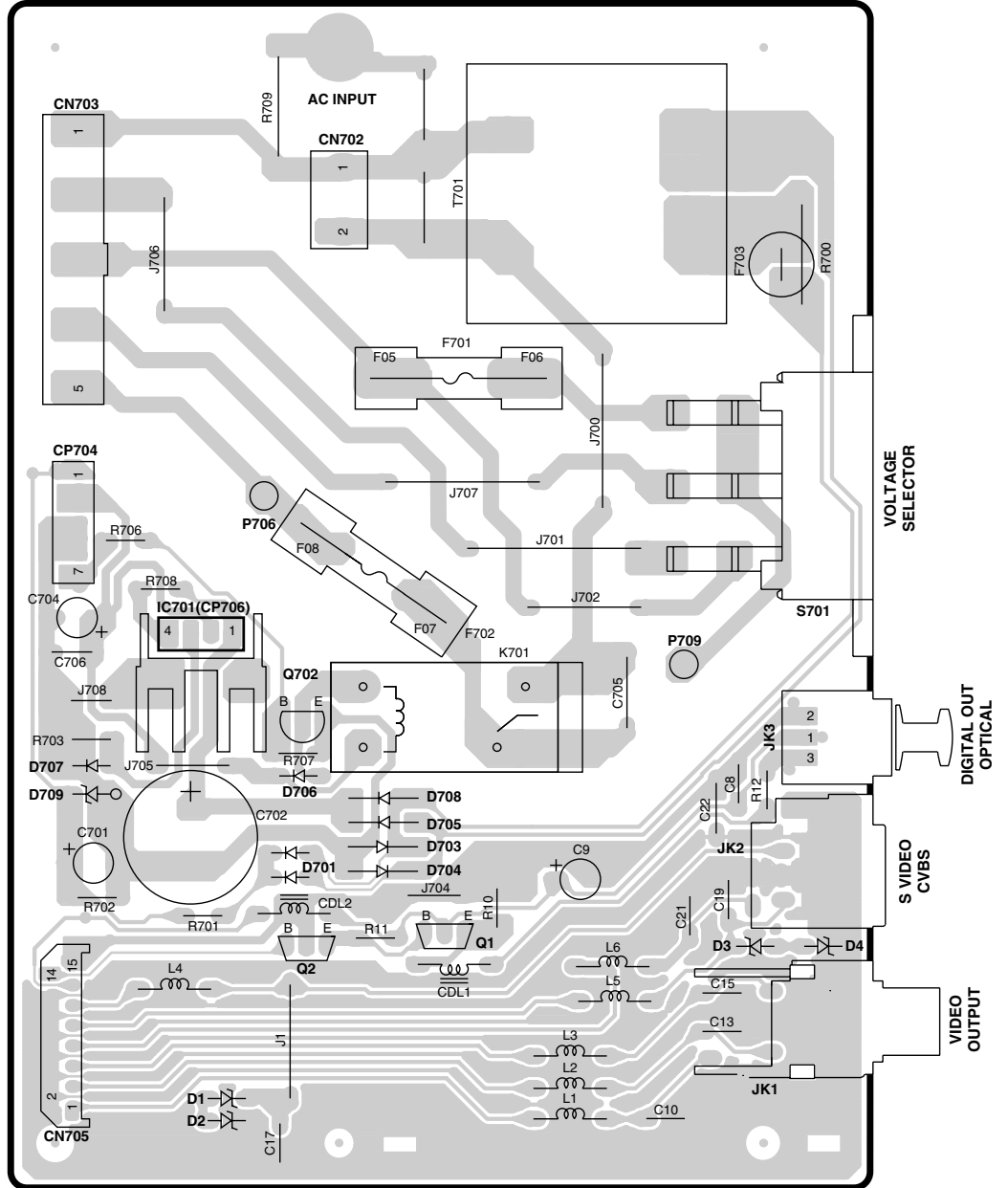
RXD-DV90

RXD-DV90

(Y,M) : AC110-120V/220-240V-50/60Hz  
 (X) : AC240V-50Hz  
 (T,E) : AC230V-50Hz

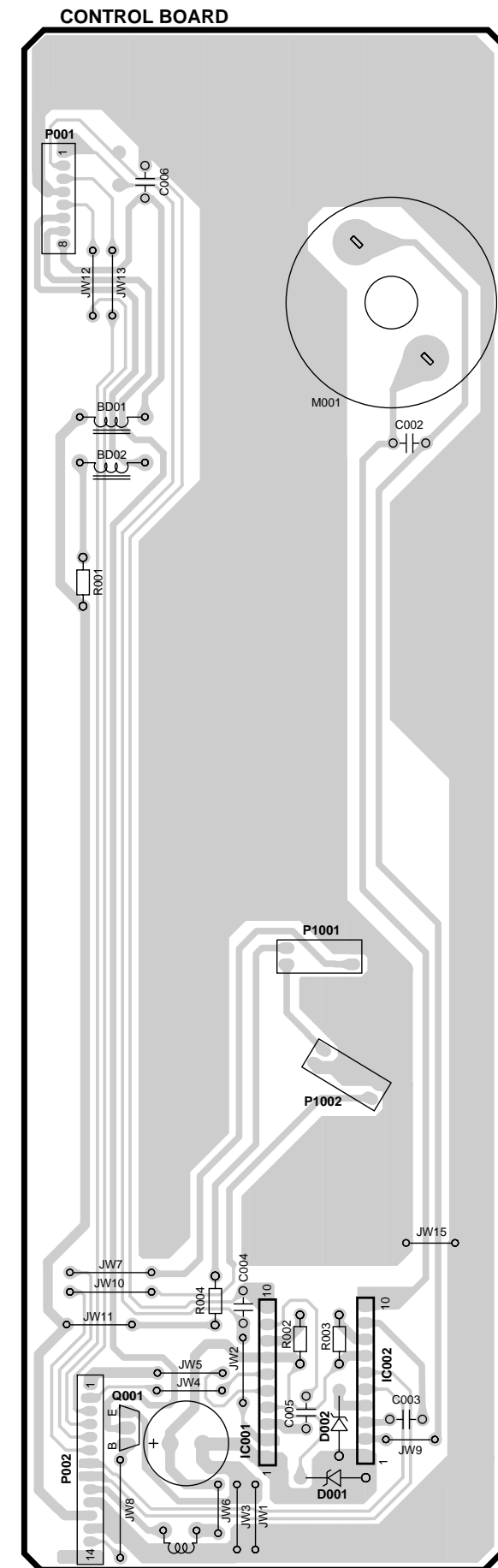
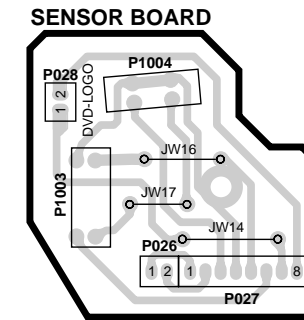
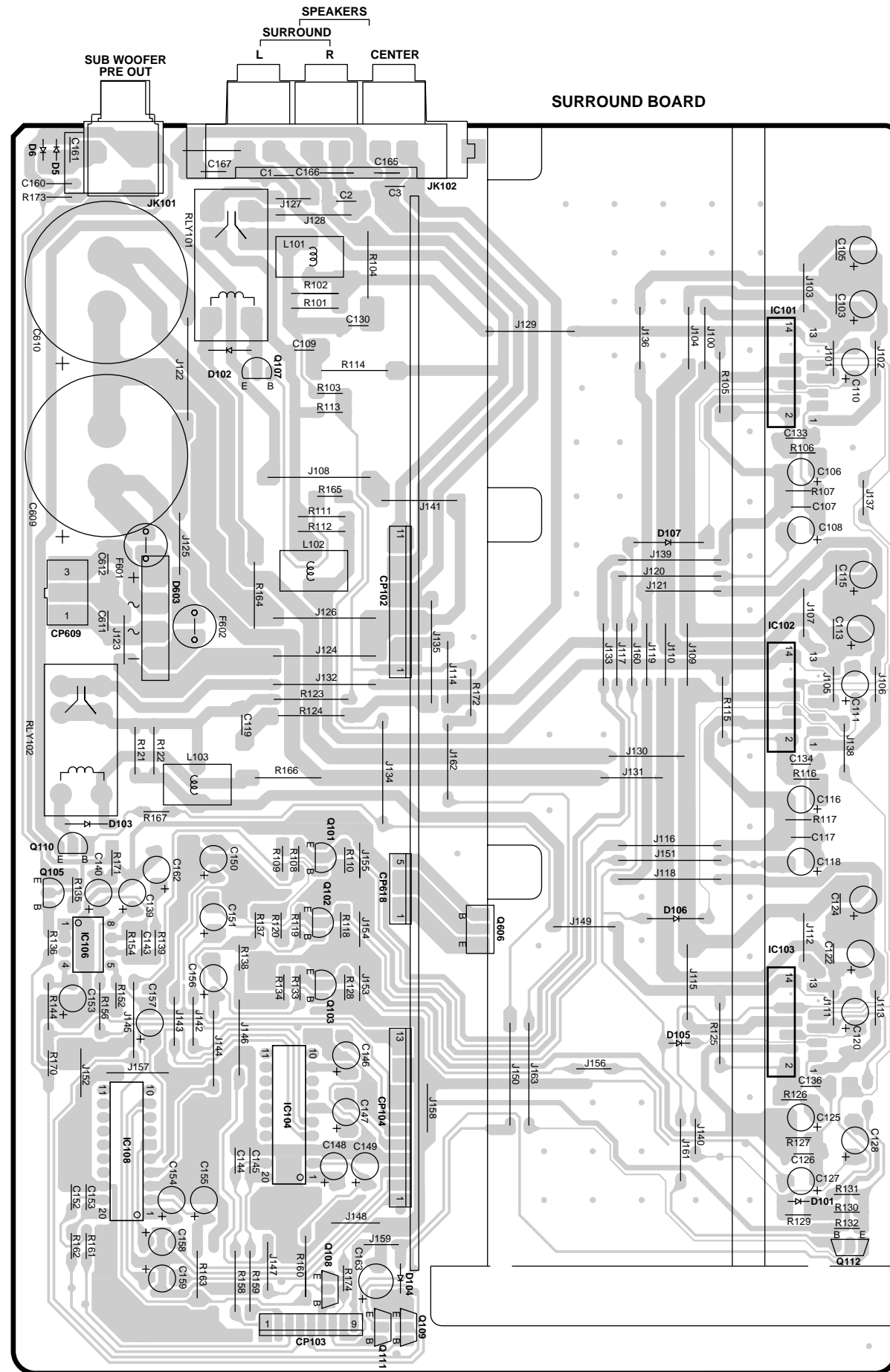
# PC BOARD (Component side view)

## STANDBY-VIDEO BOARD



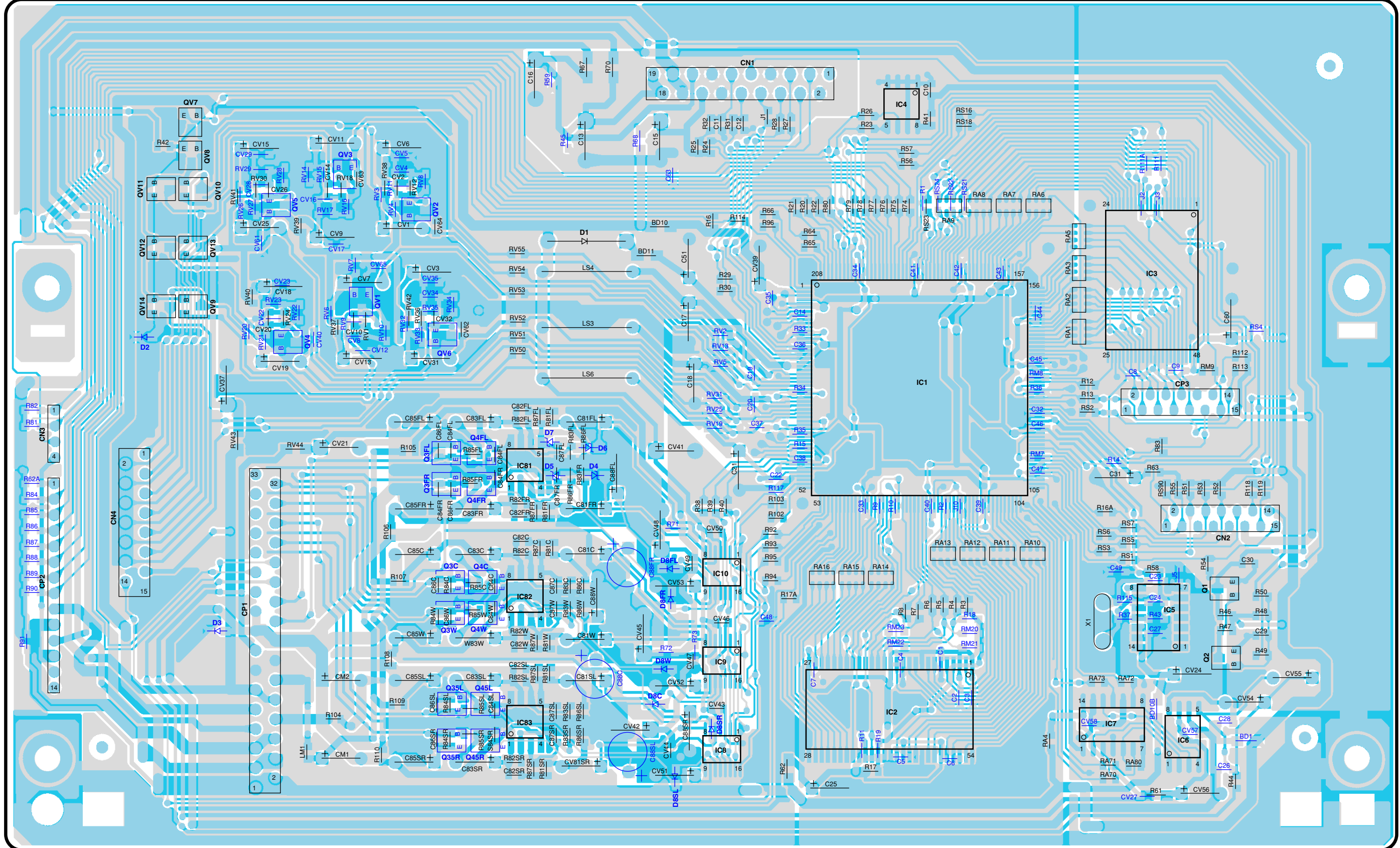
Refer to the schematic diagram for the value of resistors and capacitors.

# PC BOARD (Component side view)



# PC BOARD (Component side view)

DVD BOARD



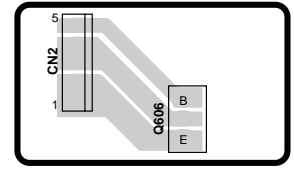
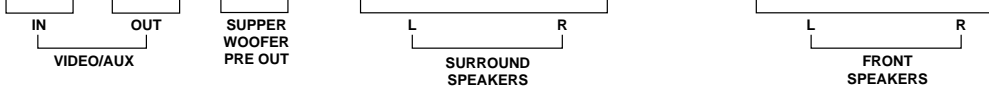
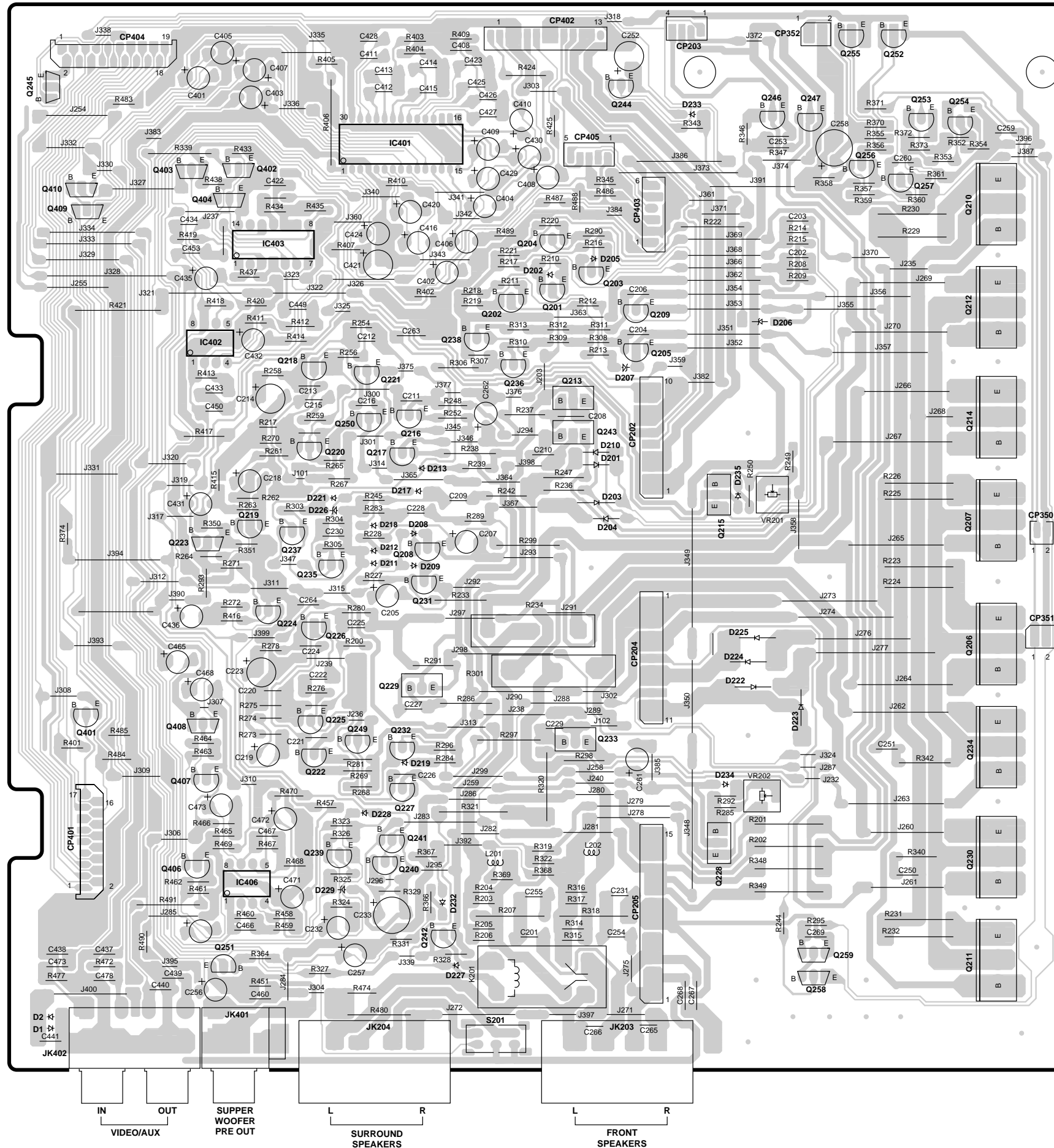
1  
2  
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7

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

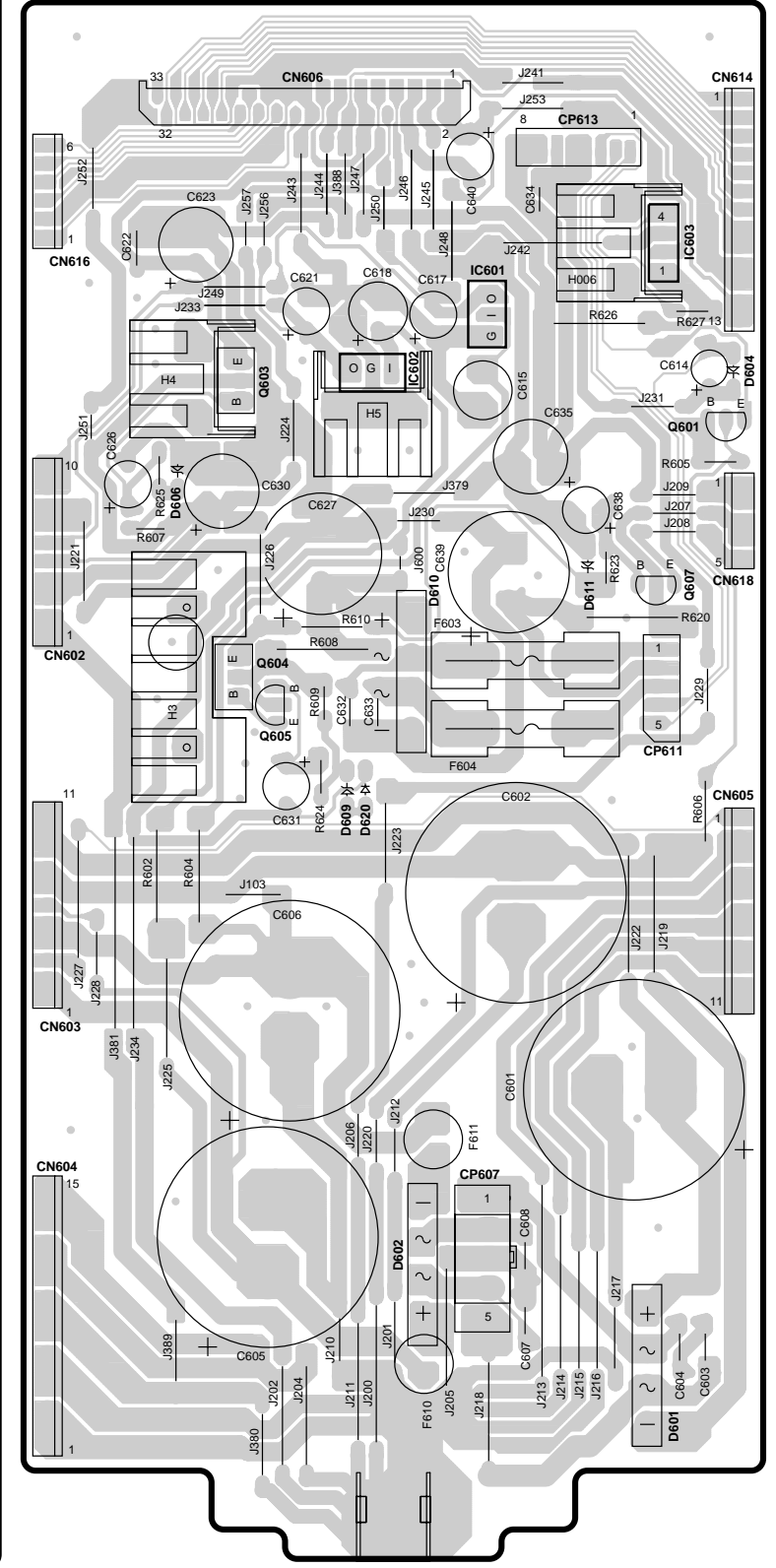


# PC BOARD(Component side view)

MAIN BOARD



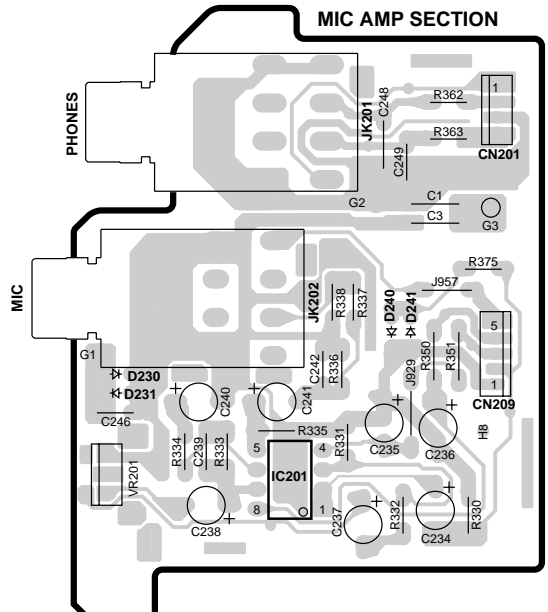
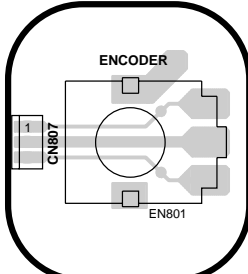
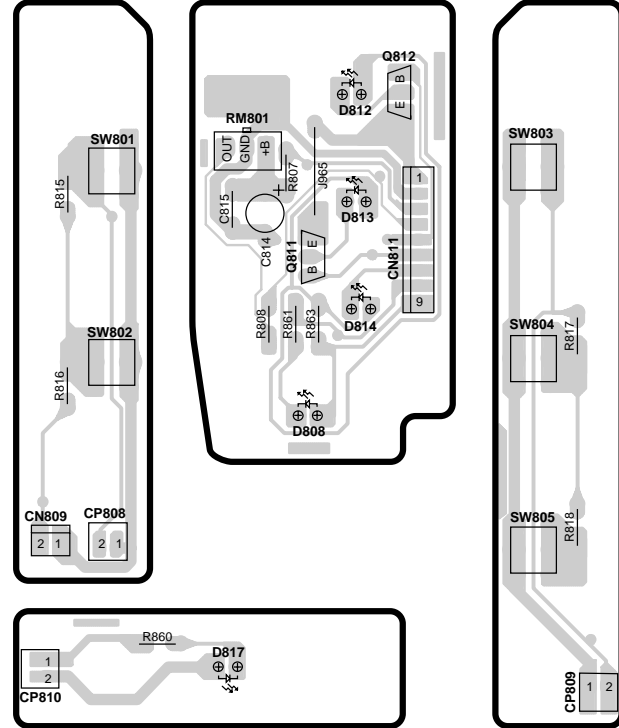
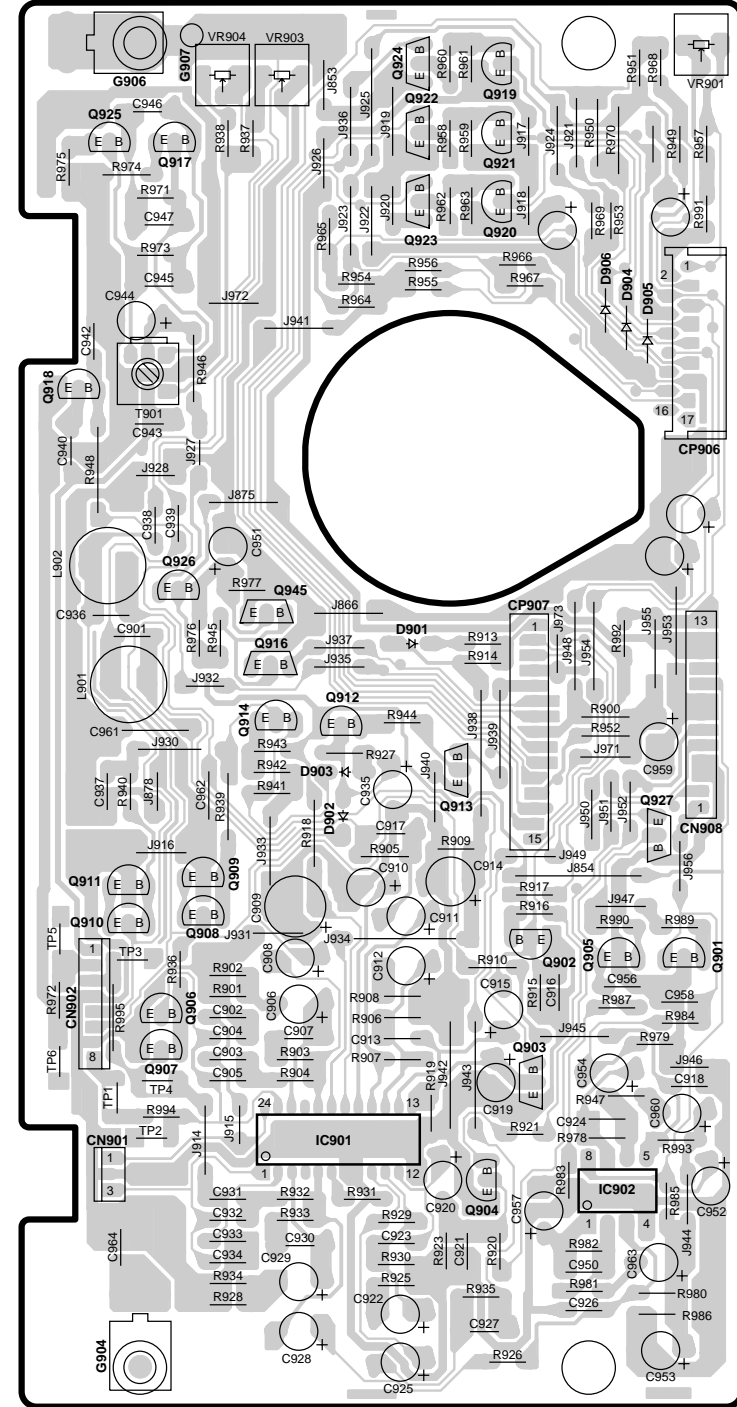
## POWER AMP BOARD



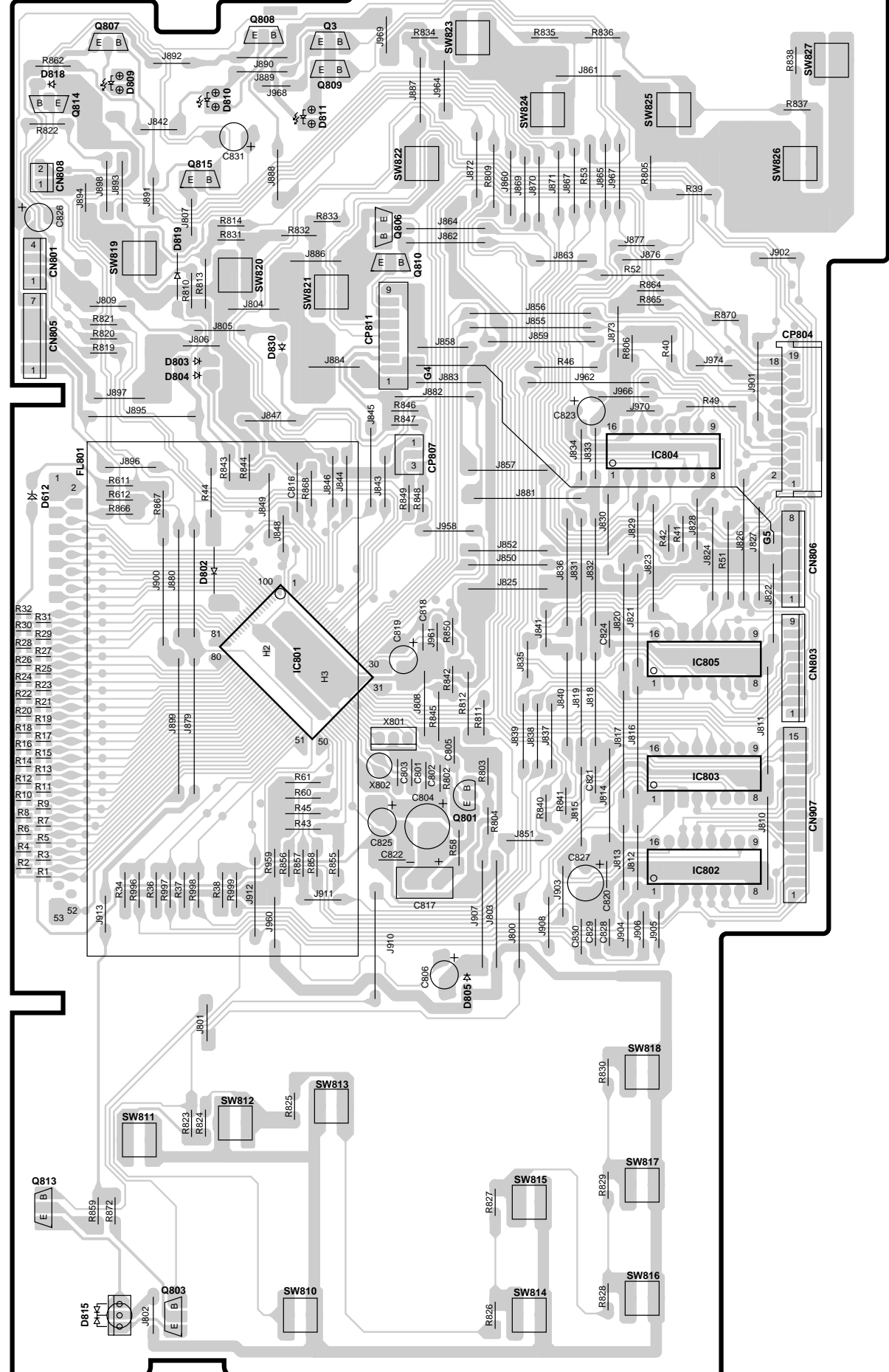
Refer to the schematic diagram for the value of resistors and capacitors.

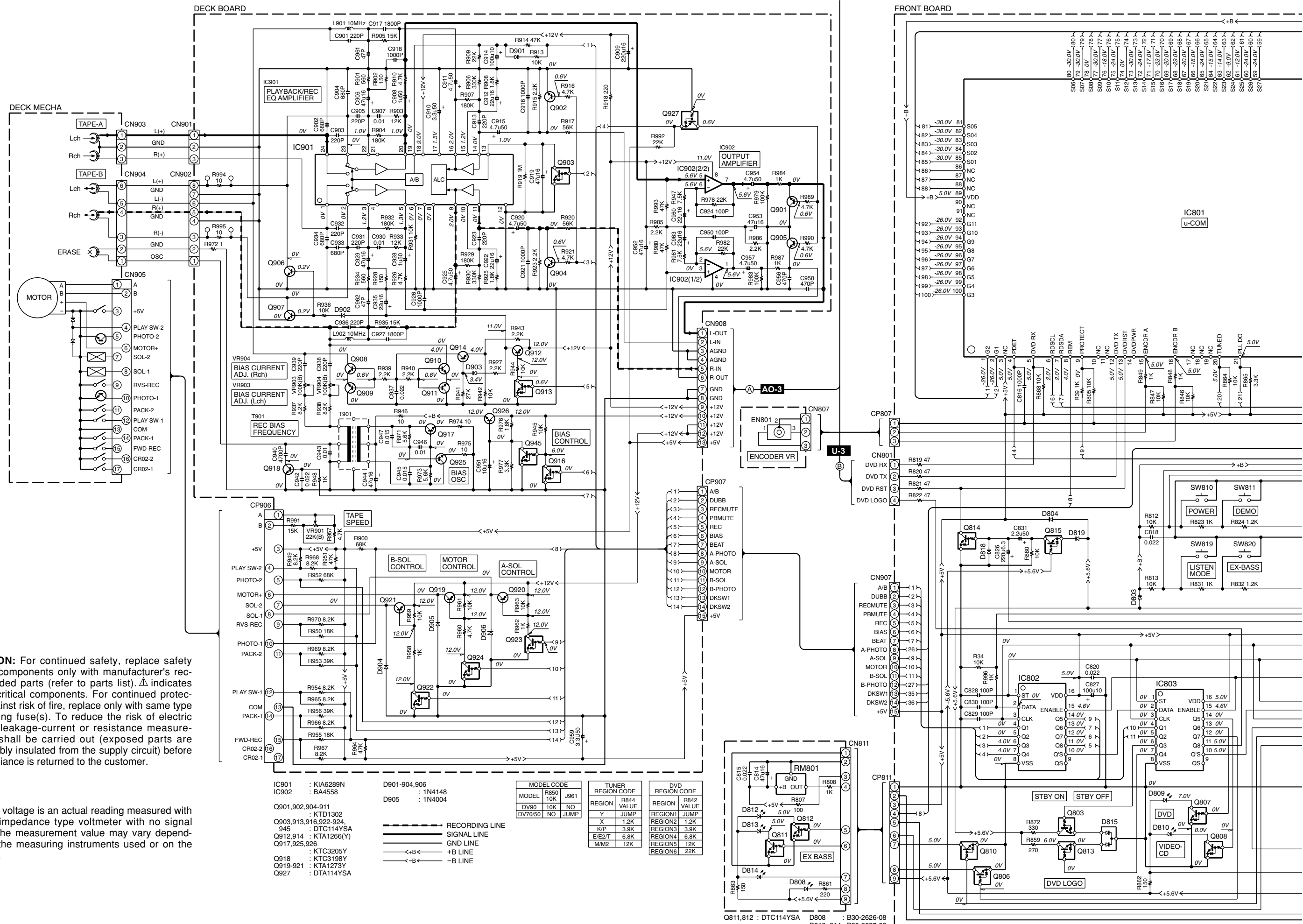
# PC BOARD(Component side view)

## DECK BOARD



## FRONT BOARD

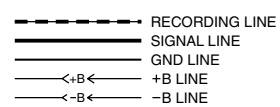


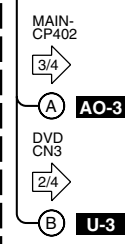
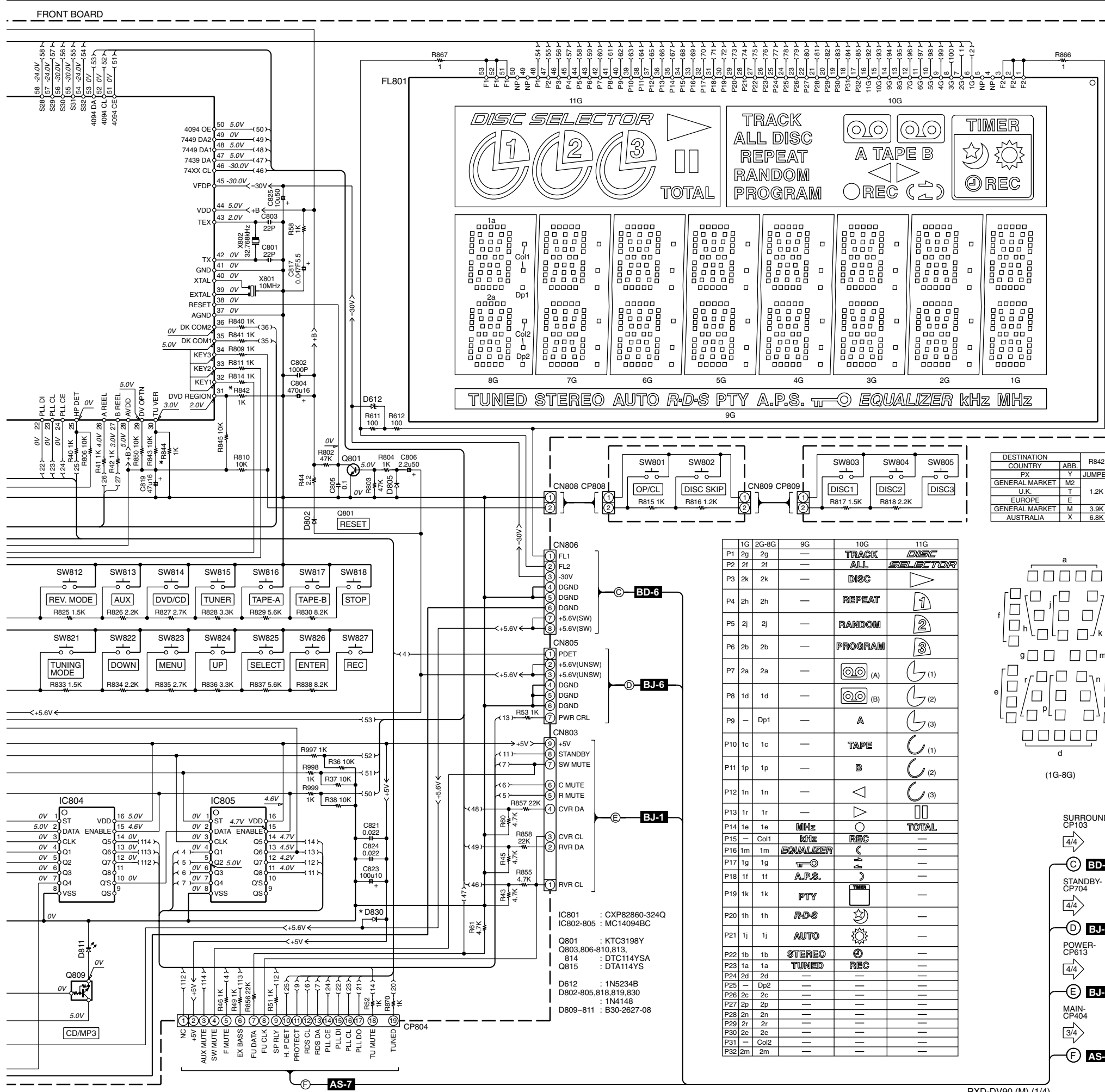


**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  $\Delta$  indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of 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 with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.

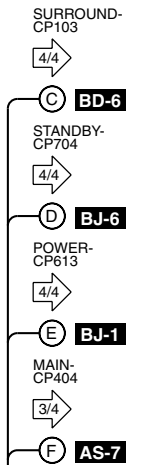
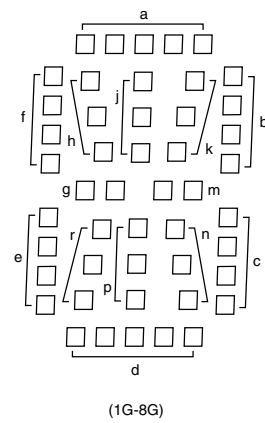
IC901 : KIA6289N	D901-904,906	MODEL CODE		DVD REGION CODE	
IC902 : BA4558	: 1N4148	MODEL	R850	J961	R842
Q901,902,904-911	D905 : 1N4004	DV90	10K	NO	VALUE
Q903,913,916,922-924,		DV70/50	NO	JUMP	
945 : DTC114YSA		REGION	Y	JUMP	REGION1 JUMP
Q912,914 : KTA1266(Y)			X	1.2K	REGION2 1.2K
Q917,925,926			K/P	3.9K	REGION3 3.9K
Q918 : KTC3205Y			E/E2/T	6.8K	REGION4 6.8K
Q919-921 : KTA1273Y			MM2	12K	REGION5 12K
Q927 : DTA114YSA					REGION6 22K





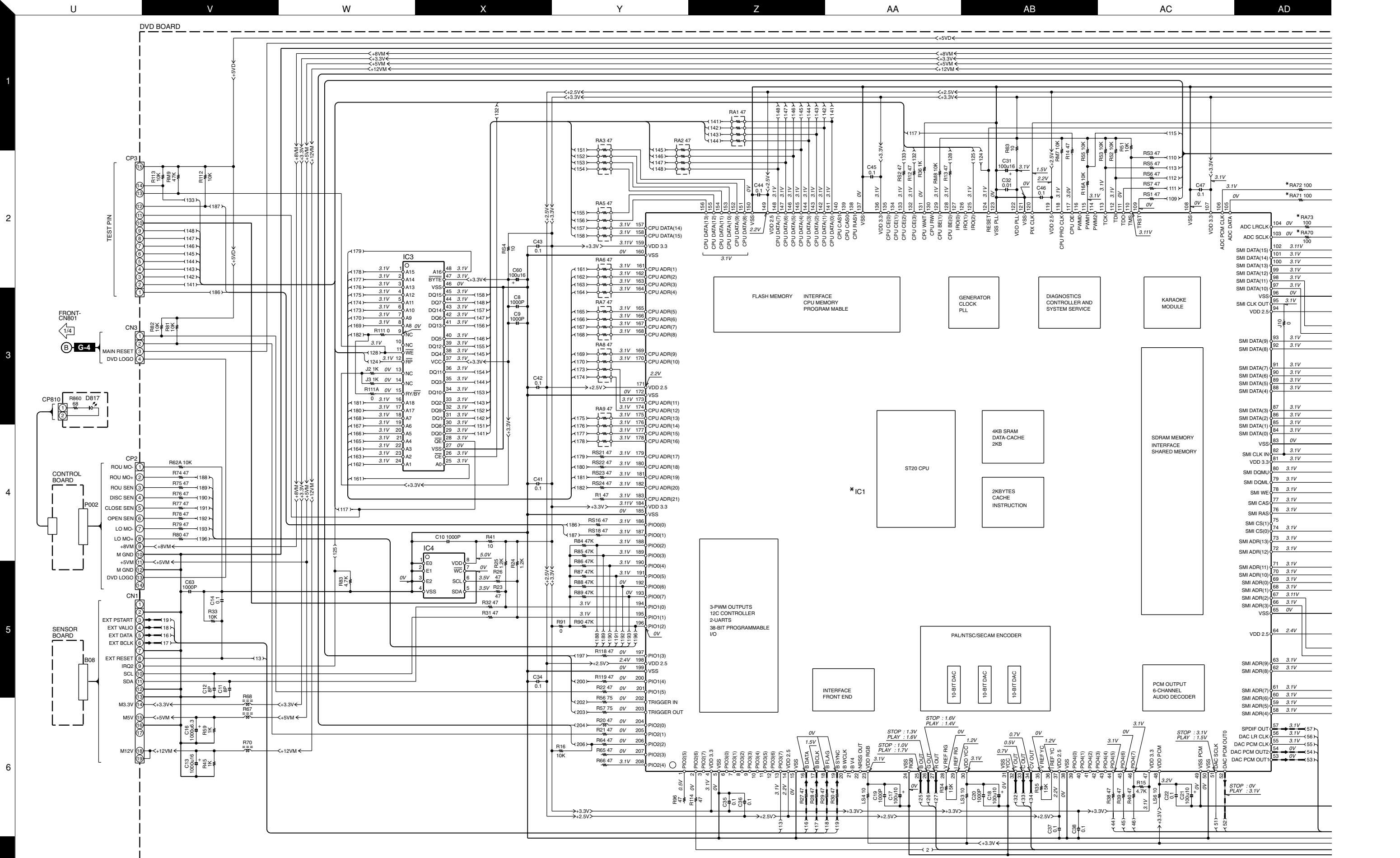
DESTINATION	COUNTRY	ABB	R842	R844	D830
GENERAL MARKET	PX	Y	JUMPER	JUMPER	YES
GENERAL MARKET	U.K.	T	1.2K	6.8K	NO
GENERAL MARKET	EUROPE	E			
GENERAL MARKET	AUSTRALIA	X	6.8K	1.2K	NO

	1G	2G-8G	9G	10G	11G
P1	2g	2g	—	TRACK	DISC
P2	2f	2f	—	ALL	SELECTOR
P3	2k	2k	—	DISC	▶
P4	2h	2h	—	REPEAT	1
P5	2j	2j	—	RANDOM	2
P6	2b	2b	—	PROGRAM	3
P7	2a	2a	—	⊙ (A)	Ⓛ (1)
P8	1d	1d	—	⊙ (B)	Ⓛ (2)
P9	—	Dp1	—	A	Ⓛ (3)
P10	1c	1c	—	TAPE	Ⓛ (1)
P11	1p	1p	—	B	Ⓛ (2)
P12	1n	1n	—	◀	Ⓛ (3)
P13	1r	1r	—	▶	
P14	1e	1e	—	MHz	TOTAL
P15	—	Col1	—	kHz	REC
P16	1m	1m	—	EQUALIZER	◀
P17	1g	1g	—	A.P.S.	▶
P19	1k	1k	—	PTY	□
P20	1h	1h	—	RDS	☀
P21	1j	1j	—	AUTO	☀
P22	1b	1b	—	STEREO	⊙
P23	1a	1a	—	TUNED	REC
P24	2d	2d	—	—	—
P25	—	Dp2	—	—	—
P26	2c	2c	—	—	—
P27	2p	2p	—	—	—
P28	2n	2n	—	—	—
P29	2r	2r	—	—	—
P30	2e	2e	—	—	—
P31	—	Col2	—	—	—
P32	2m	2m	—	—	—



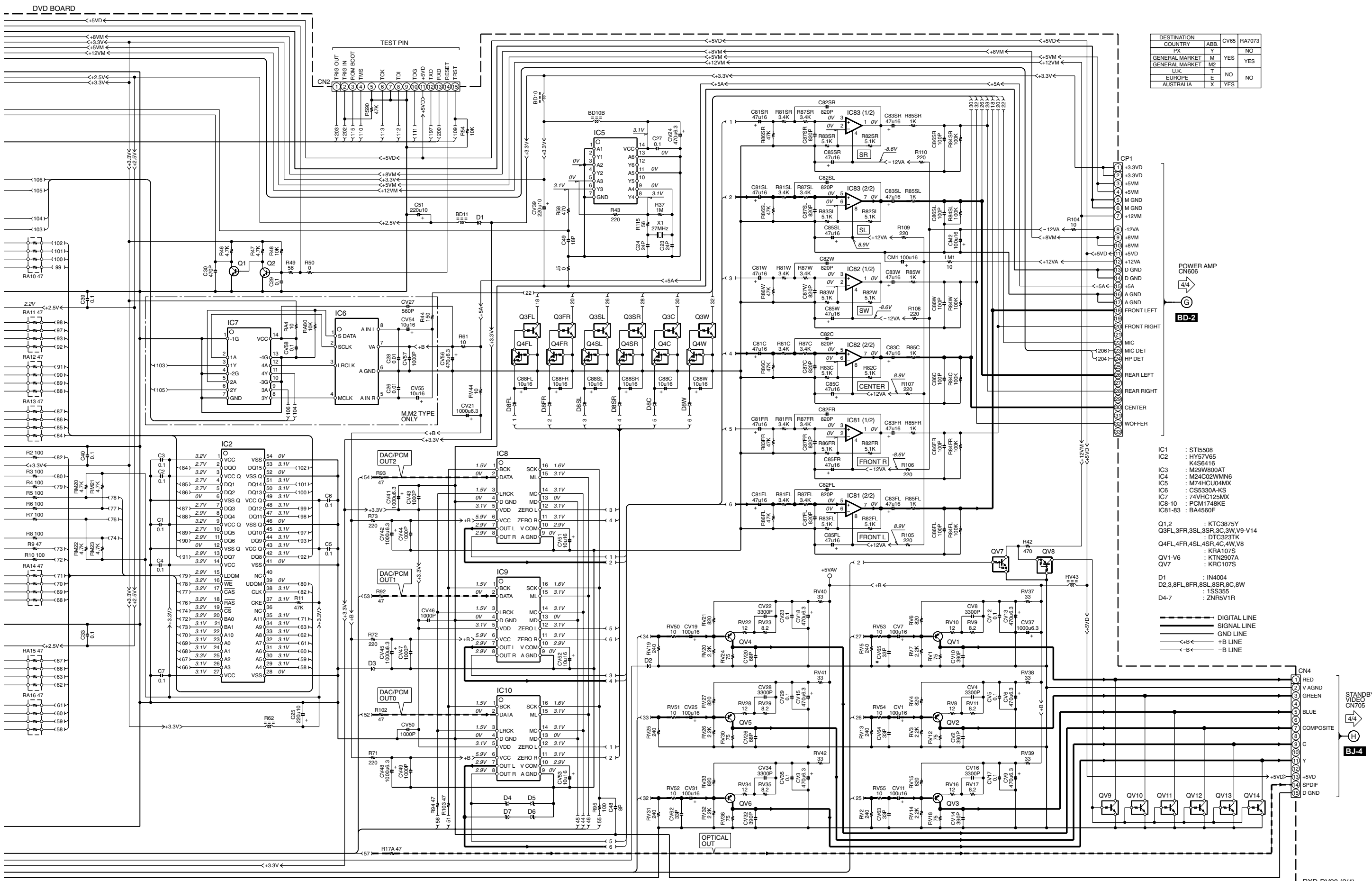
- IC801 : CXP82860-324Q
- IC802-805 : MC14094BC
- Q801 : KTC3198Y
- Q803,806-810,813,814 : DTC114YSA
- Q815 : DTA114YS
- D612 : 1N5234B
- D802-805,818,819,830 : 1N4148
- D809-811 : B30-2627-08

**RXD-DV90**  
**KENWOOD**



**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  $\Delta$  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 with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.



DESTINATION COUNTRY	ABB.	CV65	RA7073
FX	Y	NO	NO
GENERAL MARKET	M	YES	YES
GENERAL MARKET	M2	YES	YES
U.K.	T	NO	NO
EUROPE	E	NO	NO
AUSTRALIA	X	YES	NO

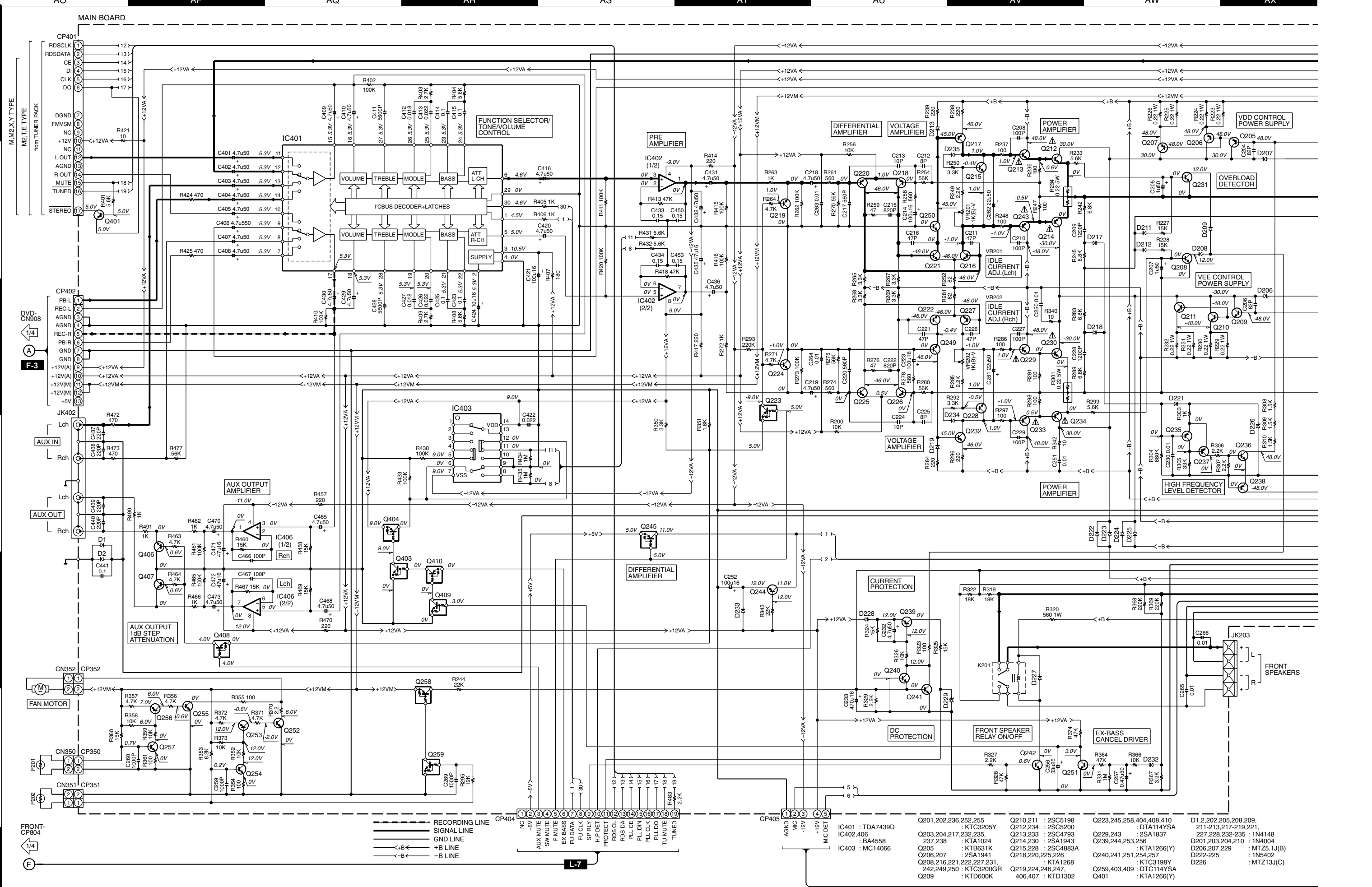
- IC1 : ST15508
- IC2 : HY57V65  
K4S6416
- IC3 : M29W800AT
- IC4 : M24C02WMN6
- IC5 : M74HC04MX
- IC6 : CS530A-KS
- IC7 : 74VHC125MX
- IC8-10 : PCM1748KE
- IC81-83 : BA4560F
- Q1,2 : KTC3875Y
- Q3FL,3FR,3SL,3SR,3C,3W,V9-V14 : DTC323TK
- Q4FL,4FR,4SL,4SR,4C,4W,V8 : KRA107S
- QV1-V6 : KTN2907A
- QV7 : KRC107S
- D1 : IN4004
- D2,3,8,9L,8FR,8SL,8SR,8C,8W : 1SS355
- D4-7 : 2NR5V1R

--- DIGITAL LINE  
 --- SIGNAL LINE  
 --- GND LINE  
 --- +B LINE  
 --- -B LINE

# RXD-DV90

Y39-3840-20

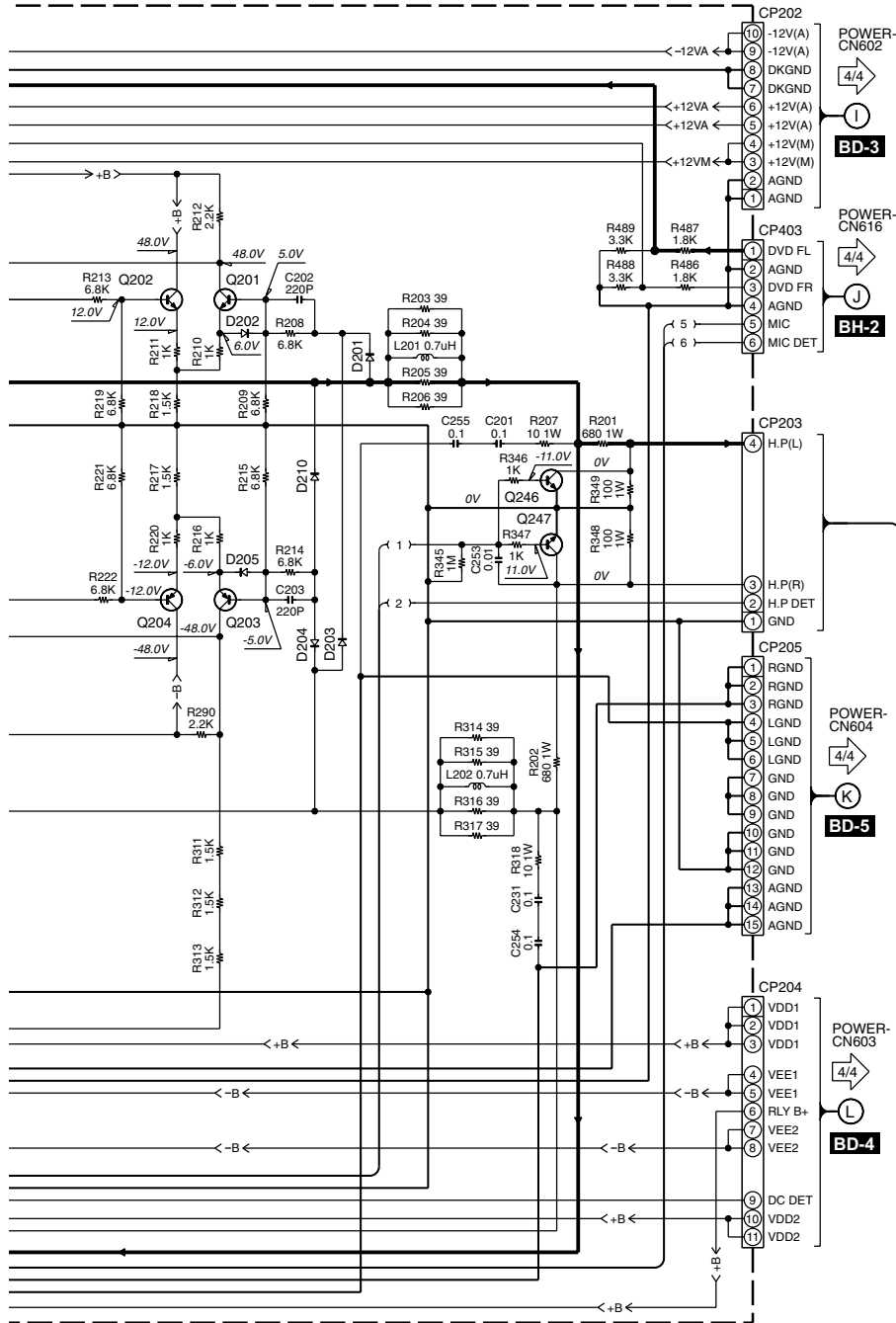
KENWOOD



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

IC401 : TDA7439D	Q201,202,236,252,255	Q210,211 : 2SC5198	Q223,245,258,404,408,410	D1,2,202,205,208,209,
IC402,406	Q203,204,217,232,235	Q212,234 : 2SC5200	Q229,243 : 2SA1837	211,213,217,219,221,
IC403 : MC14066	Q205 : BA4558	Q213,233 : 2SC4793	Q239,244,253,256	227,228,232,235 : 1N4148
	Q206,207 : KTB631K	Q214,230 : 2SA1943	Q251,252 : KTA1266(Y)	D201,203,204,210 : 1N4004
	Q208,216,221,222,227,231,	Q215,228 : 2SC4883A	Q240,241,251,254,257	D206,207,229 : MTZ5.1J(B)
	242,249,250 : KTC3200GR	Q218,220,225,226	Q251,252 : KTA1266(Y)	D222-225 : 1N5402
	Q219,224,246,247,	Q229,243,409 : KTC3198Y	Q209	D226 : MTZ13(C)
	Q209 : KTD600K	Q259,403,409 : DTC114YSA		
		Q401 : KTA1266(Y)		

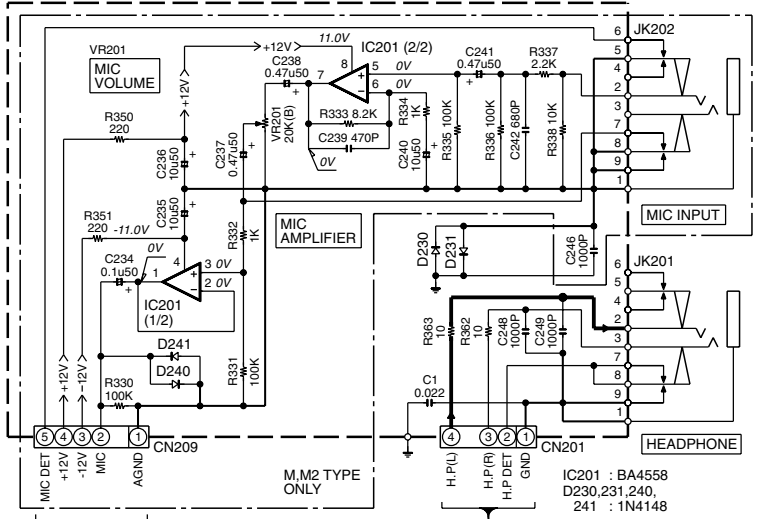
MAIN BOARD



**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  $\Delta$  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.

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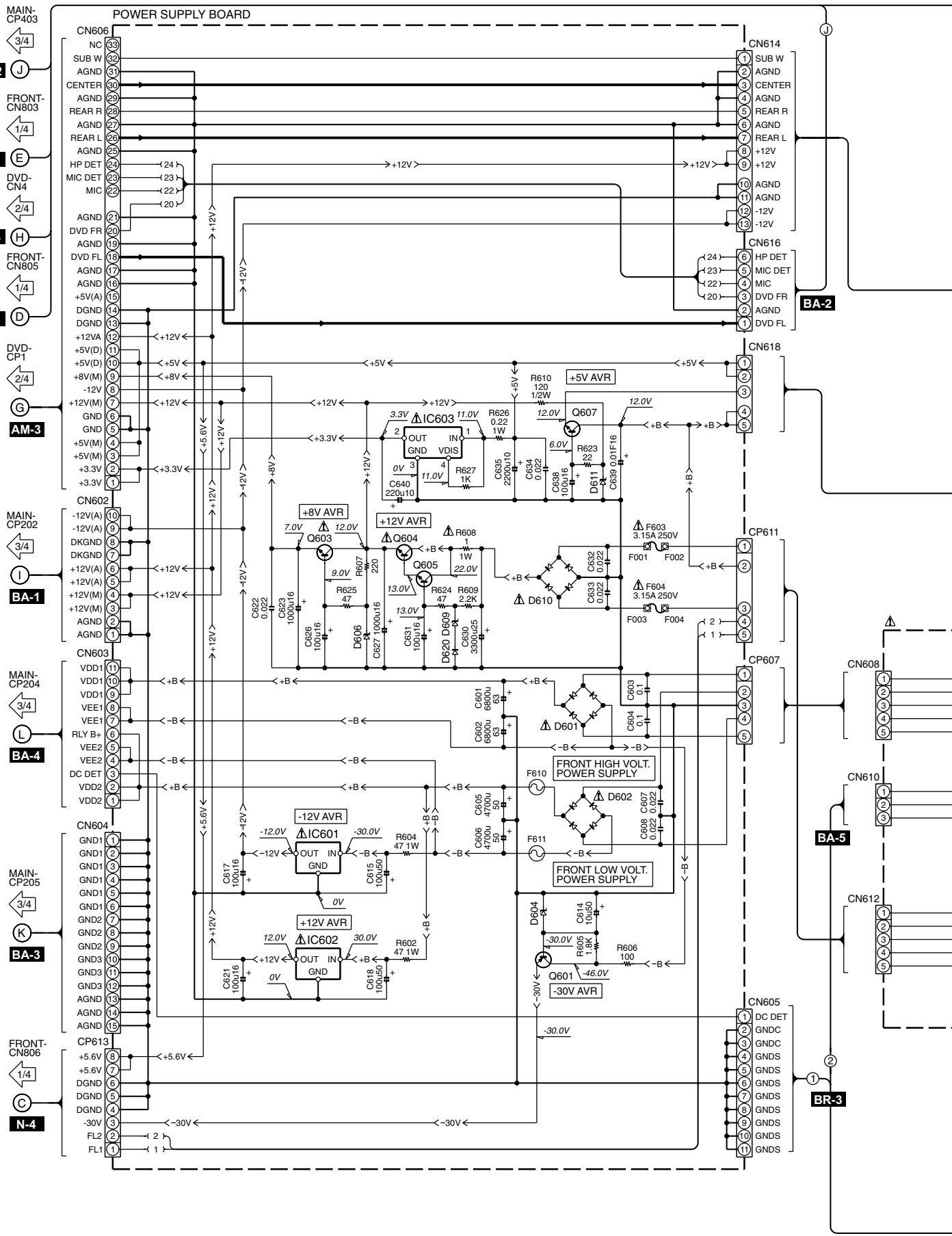
MIC AMP SECTION



RXD-DV90 (3/4)



POWER SUPPLY BOARD



MAIN-CP403

BA-2 J

FRONT-CN803

N-5 E

DVD-CN4

N-5 D

FRONT-CN805

N-5 D

DVD-CP1

AM-3 G

MAIN-CP202

BA-1 I

MAIN-CP204

BA-4 L

MAIN-CP205

BA-3 K

FRONT-CN806

N-4 C

BA-2

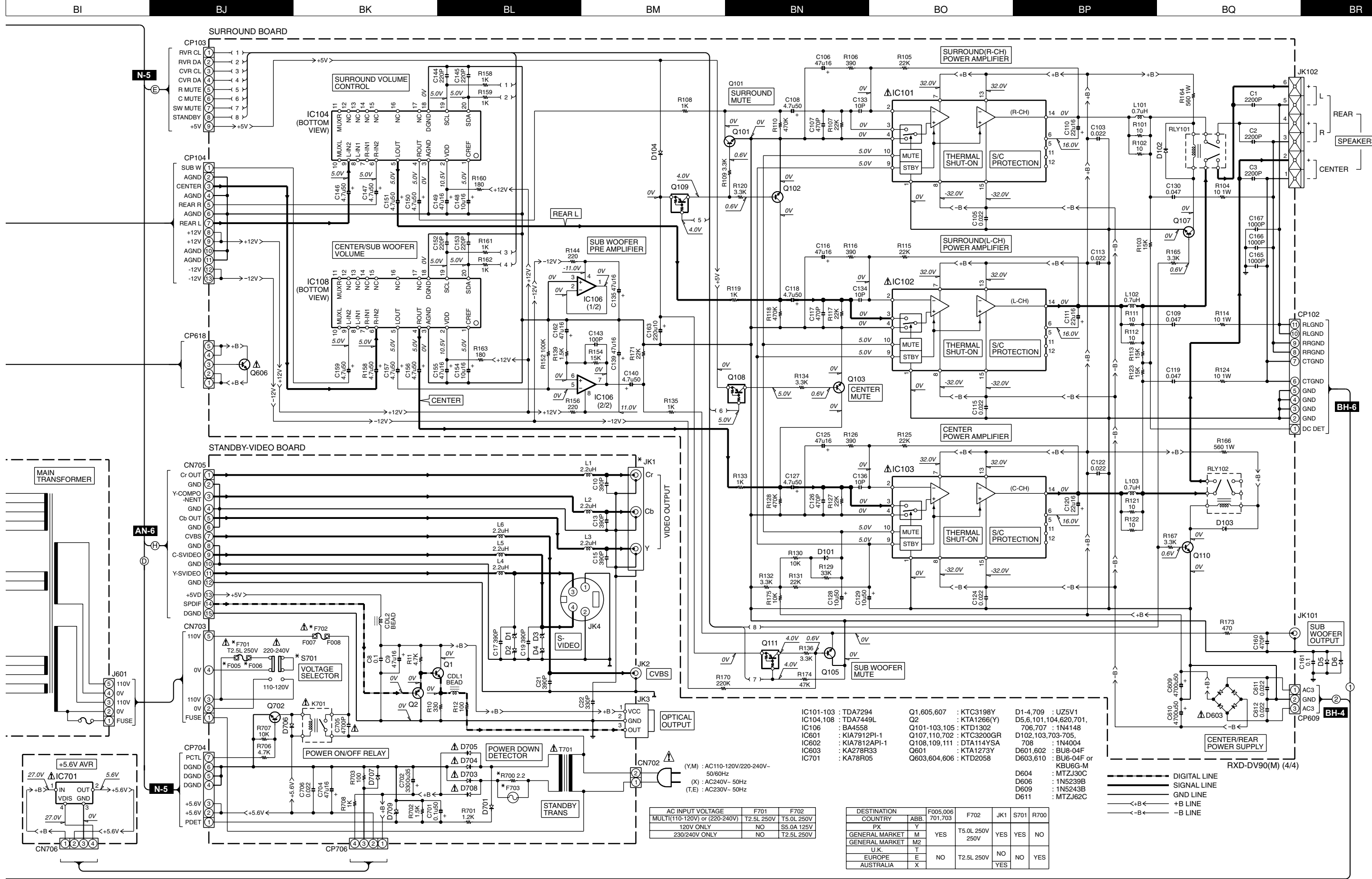
CP611

CP607

BA-5

BR-3

1  
2  
3  
4  
5  
6  
7



**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  $\Delta$  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.

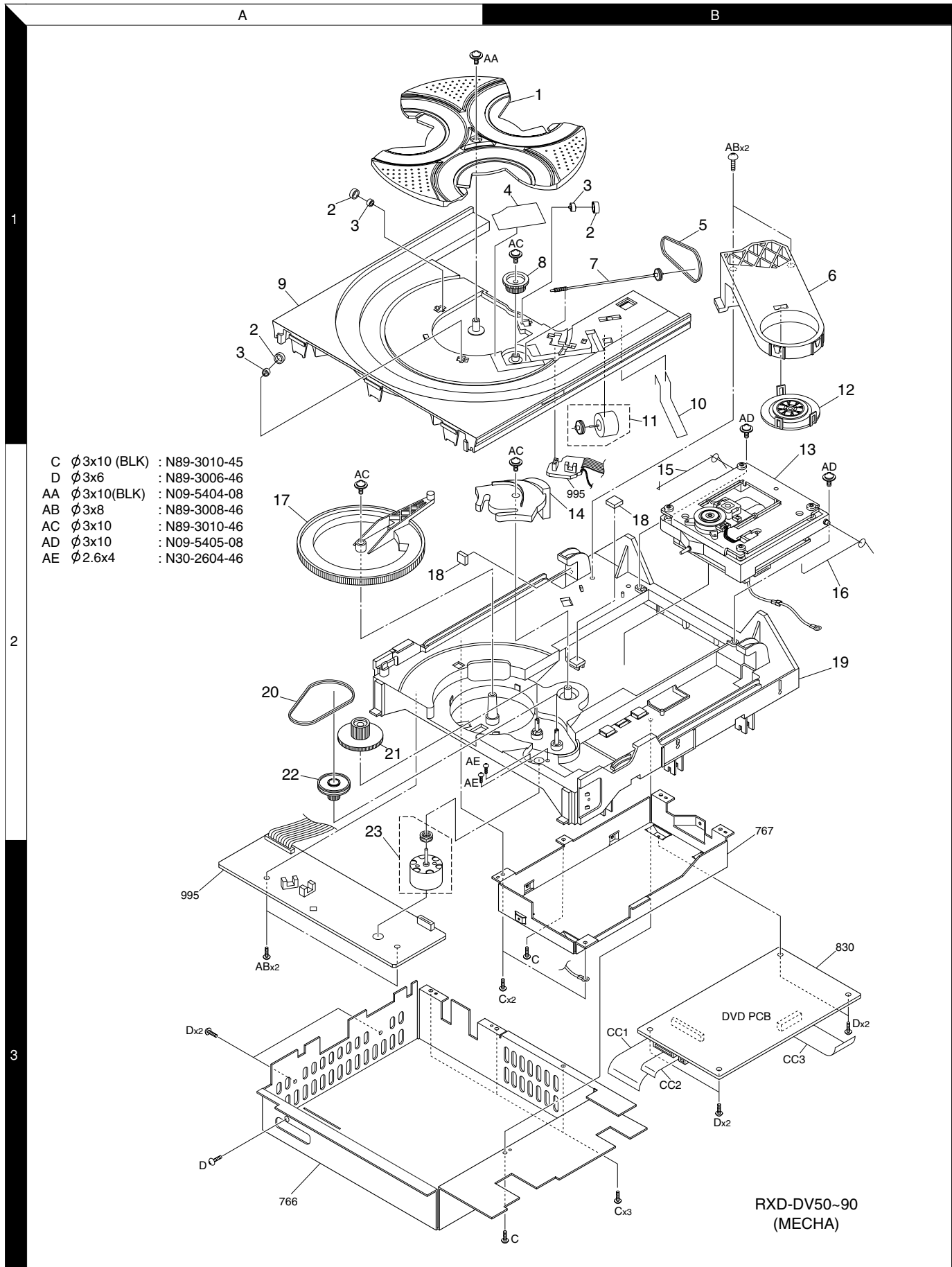
The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.

**RXD-DV90**  
**KENWOOD**

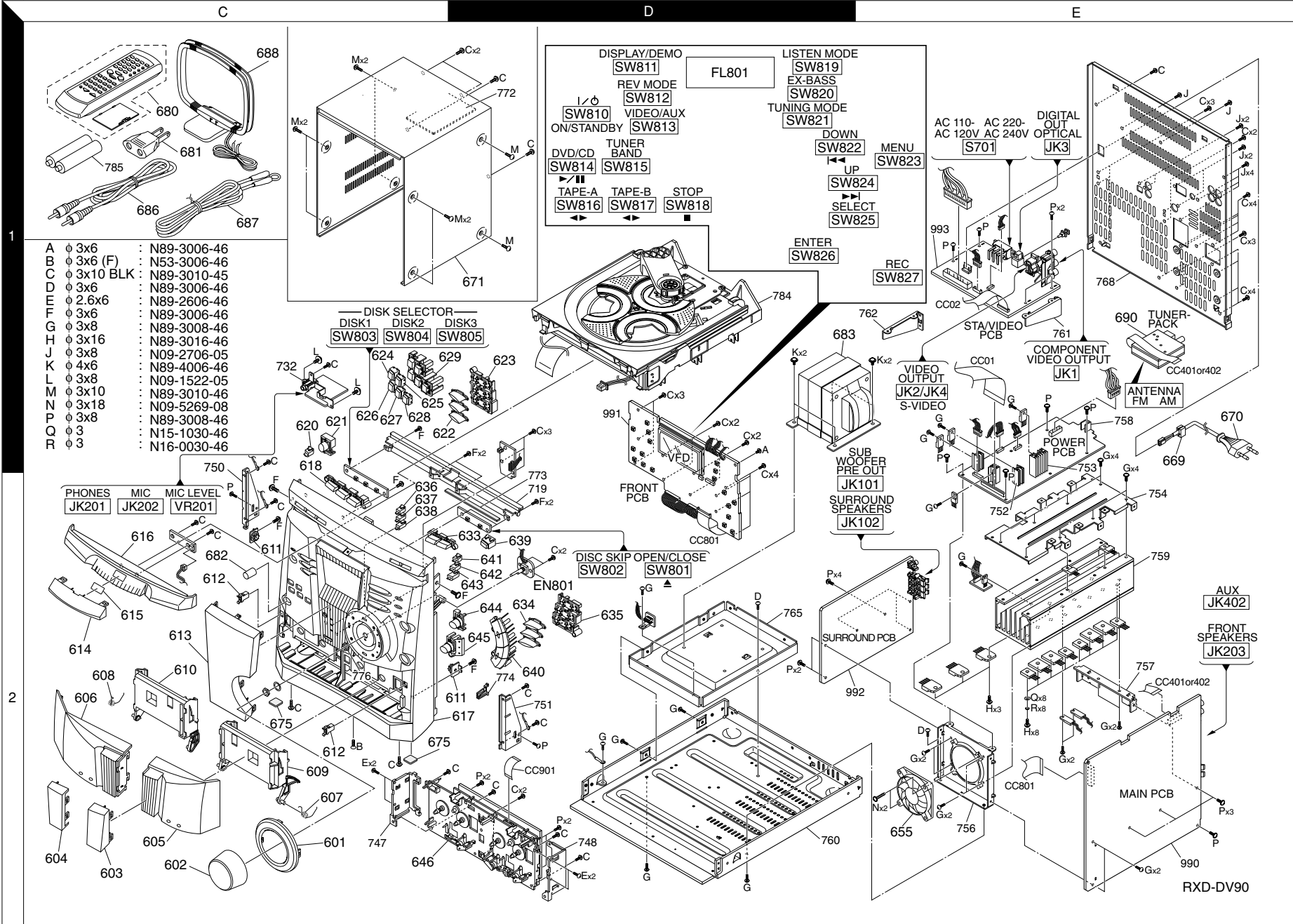
Y39-3840-20

# RXD-DV90

## EXPLODED VIEW (MECHANISM)



Parts with exploded numbers larger than 700 are not supplied.



A	φ 3x6	:	N89-3006-46
B	φ 3x6 (F)	:	N53-3006-46
C	φ 3x10 BLK	:	N89-3010-45
D	φ 3x6	:	N89-3006-46
E	φ 2.6x6	:	N89-2606-46
F	φ 3x6	:	N89-3006-46
G	φ 3x8	:	N89-3008-46
H	φ 3x16	:	N89-3016-46
J	φ 3x8	:	N09-2706-05
K	φ 4x6	:	N89-4006-46
L	φ 3x8	:	N09-1522-05
M	φ 3x10	:	N89-3010-46
N	φ 3x18	:	N09-5269-08
P	φ 3x8	:	N89-3008-46
Q	φ 3	:	N15-1030-46
R	φ 3	:	N16-0030-46

EXPLODED VIEW (UNIT)

RXD-DV90

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
<b>RXD-DV90</b>						
601	2C	*	B01-2575-08	RING VOLUME J85400050000		
602	2C	*	K29-8040-08	KNOB MAIN J85100027000		
603	2C	*	B10-3742-08	WINDOW DECK R DJ85300029010	Y	
603	2C	*	B10-3743-08	WINDOW DECK R DJ85300029020	MM2XTE	
604	2C	*	B10-3740-08	WINDOW DECK L DJ85300028010	Y	
604	2C	*	B10-3741-08	WINDOW DECK L DJ85300028020	MM2XTE	
605	2C	*	A52-0948-08	DOOR DECK R DVDJ85600020000		
606	2C	*	A52-0947-08	DOOR DECK L DVDJ85600019000		
607	2C	*	G02-1739-08	SPRING DECK R DJ65540001400		
608	2C	*	G02-1738-08	SPRING DECK L DJ65540001300		
609	2C	*	A53-2266-08	LID CASSETTE R J85800004000		
610	2C	*	A53-2265-08	LID CASSETTE L J85800003000		
611	2C,2D	*	D39-0356-08	AC ASY GEAR DAM20688960XX		
612	2C	*	J19-6244-08	LATCH PUSH 024AJ65700000100		
613	2C	*	B10-3745-08	WINDOW VFD DV90J85300027021	Y	
613	2C	*	B10-3746-08	WINDOW VFD DV90J85300027030	MM2X	
613	2C	*	B10-3747-08	WINDOW VFD DV90J85300027040	TE	
614	2C	*	B10-3738-08	WINDOW DOOR DV9J85400052010	Y	
614	2C	*	B10-3739-08	WINDOW DOOR DV9J85400052020	MM2XTE	
615	2C	*	B19-163708	SHEET DVD LOGO J85500009000		
616	2C	*	A22-1864-08	DOOR TRAY DV90 J85600018000		
617	2D	*	A60-2194-08	PANEL FRONT DV9J85500026110	MM2	
617	2D	*	A60-2115-08	PANEL FRONT DV9J85500026030	YXTE	
618	2C	*	K29-8031-08	BTN DISC SEL. 3J85200132000		
620	1C	*	B19-1638-08	INDICATOR STBYTJ85400046000		
621	1C	*	K29-8038-08	BTN ON/STANDBY J85200128000		
622	1C	*	B07-2574-08	CAP DEMO 3KEY J85400045000		
623	1D	*	K29-8033-08	BTN DEMO 3KEY J85200133000		
624	1C	*	K29-8125-08	DECO FUNCTION-AJ85400051010		
625	1C	*	K29-8092-08	DECO FUNCTION-BJ85400051020		
626	1C	*	K29-8093-08	DECO FUNCTION-CJ85400051030		
627	1C	*	K29-8094-08	DECO FUNCTION-DJ85400051040		
628	1C	*	K29-8095-08	DECO FUNCTION-EJ85400051050		
629	1C	*	K29-8126-08	BTN FUNCTION 5KJ85200131010		
633	2D	*	K29-8037-08	BTN OPEN/CLOSE J85200127000		
634	2D	*	B07-2573-08	CAP LISTEN MODEJ85400044000		
635	2D	*	K29-8034-08	BTN LISTEN MODEJ85200130000		
636	2C	*	B12-0449-08	INDICATOR-DOBLEJ85400047010		
637	2C	*	B12-0450-08	INDICATOR-PROLOJ85400047020		
638	2C	*	B12-0451-08	INDICATOR-VIRTUJ85400047030		
639	2D	*	B12-0452-08	INDI.BASS/BOOSTJ85400049000		
640	2D	*	K29-8032-08	BTN ROUND 4KEYJ85200134000		
641	2D	*	B12-0453-08	INDICATOR-DVD J85400048010		
642	2D	*	B12-0454-08	INDICATOR-VCD J85400048020		
643	2D	*	B12-0455-08	INDICATOR-CD J85400048030		
644	2D	*	K29-8039-08	BTN MENU 1KEY J85200129000		
645	2D	*	K29-8036-08	BTN REC 1KEY J85200126000		
646	2C	*	D40-1740-08	DECK MECHA (CMA)J57112001002		
655	2E	*	T43-0076-08	FAN RDH6015S C15515770XX		
669	1E	*	J42-0350-08	BUSHING-AC CORDJ65100000100		
△ 670	1E	*	E30-2991-08	CORD POWER UL SJ43730100100	Y	
△ 670	1E	*	E30-2992-08	CORD POWER EU 2J43731100000	MM2E	
△ 670	1E	*	E30-2994-08	CORD POWER AU CJ43733100100	X	

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②

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670	1E	*	E30-7249-08	WIRE-MCRDM 0.7055175210XX		T
671	1D	*	A52-0948-08	COVER TOP DV90 J60100011000		
675	2C	*	J02-1537-08	RUBBER FOOT J85900508000		
680	1C	*	A70-1533-08	REMOCON DV90K J54000001800	YX	
680	1C	*	A70-1534-08	REMOCON DV90E J54000001900	TE	
△ 680	1C	*	A70-1535-08	REMOCON DV90M J54000002000	MM2	
681	1C	*	E03-0115-05	ADDPTER AC PLUGJ44291200109	MM2	
682	2C	*	K29-8041-08	KNOB MIC LEVEL J85100028000	MM2	
△ 683	1D	*	L07-3122-08	POWER TRANS 110J2801710011X	YMM2	
△ 683	1D	*	L07-3156-08	POWER TRANS 230J2801410021X	TE	
△ 683	1D	*	L07-3157-08	POWER TRANS 240J2801510021X	X	
686	1C	*	E30-1427-05	CORD RCA 1P Y J94310009000		
687	1C	*	T90-0881-08	ANTENNA WIRE CT55127480NR		
688	1C	*	T90-0882-08	ANTENNA WIRE CT55127470NR		
690	1E	*	W02-2908-08	TUNER KST-MB011J4099100260XY		
690	1E	*	W02-2909-08	TUNER KST-MB011J4099100270X	MM2X	
690	1E	*	W02-2910-08	TUNER KST-MB114J4099100280X	TE	
-	-	*	B60-4908-08	I/B B60-4908-08J90200018100	M	
-	-	*	B60-4909-08	I/B B60-4909-08J90200018110	M2	
-	-	*	B60-4910-08	I/B B60-4910-08J90200018120	E	
-	-	*	B60-4911-08	I/B B60-4911-08J90200018130	YMM2XT	
-	-	*	B60-4971-08	I/B B60-4971-08J90200018140	E	
-	-	*	B60-4972-08	I/B B60-4972-08J90200018150	E	
-	-	*	B60-4973-08	I/B B60-4973-08J90200018160	E	
-	-	*	B60-4974-08	I/B B60-4974-08J90200018170	E	
-	-	*	H25-1712-08	POLY BAG PE T0.J97000002000		
-	-	*	H50-3972-08	BOX OUT DV90M J96000037120	M	
-	-	*	H50-3973-08	BOX OUT DV90M2 J96000037130	M2	
-	-	*	H50-3975-08	BOX OUT DV90E J96000037160	E	
-	-	*	H50-3976-08	BOX OUT DV90X J96000037140	X	
-	-	*	H50-4030-08	BOX OUT DV90K/YJ96000037110	Y	
-	-	*	H50-4031-08	BOX OUT DV90T J96000037150	T	
A	-	*	N89-3006-46	SCREW-ST 3MM 0655049000XX		
B	-	*	N53-3006-46	SCREW FLAT HEADJ80200300810		
C	-	*	N89-3010-45	SCREW-ST 3MM 1055127070XX		
F	-	*	N89-3006-46	SCREW-ST 3.0MM 20363610XX		
G	-	*	N89-3008-46	SCREW 3MM 08MM 55105470XX		
J	-	*	N09-2706-05	SCREW J5636140290XX		
L	-	*	N09-1522-05	SCREW-SPEC 3MM 20366370XX		
N	-	*	N09-5269-08	SCREW TAP 3.0*1J80600031810		
P	-	*	N89-3008-46	SCREW J5636140040X		
Q	-	*	N15-1030-46	WASHER-SPR 3.3M55127310XX		
R	-	*	N16-0030-46	WASHER-SPR 3.0M55127300XX		
<b>DVD MECHANISM</b>						
1	1B	*	D02-0146-08	AC PLASTIC MLD 55087120XX		
2	1A,1B	*	D14-0819-08	AC RUBBER ROLLE20712120XX		
3	1A,1B	*	D14-0825-08	AC PLASTIC ROLL20712170XX		
4	1B	*	F19-1124-08	AC PUN COVER PV20923940XX		
5	1B	*	D16-0778-08	AC RUBBER RAW B20923950XX		
6	1B	*	J19-6294-08	AC MLD HOLDER A55154980XX		
7	1B	*	D15-0447-08	SHAFT ASSY 55111500XX		
8	1B	*	D13-2582-08	AC MLD GEAR HEL20710180XX		
9	1A	*	J99-0837-08	AC PLASTIC MLD 55075840XX		
10	1B	*	G09-0691-08	AC SPRING CLIP 20986670XX		

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11	1B	*	T42-1115-08	AD ASY MOTOR DC20949030XX		
12	1B	*	J11-0883-08	AC METAL FELT M55104240XX		
13	2B	*	D40-1750-08	OK KIT TVK 13-110720510XX		
14	2B	*	D12-0164-08	AC PLASTIC MLD 20923920XX		
15	2B	*	G09-0692-08	AC SPRING BRACK55113630XX		
16	2B	*	G09-0693-08	AC SPRING BRACK55113640XX		
17	2A	*	D13-2583-08	AC PLASTIC GEAR20923910XX		
18	2A	*	A15-0113-08	AC RUBBER SPACE20689440XX		
19	2B	*	A15-0114-08	AC PLASTIC MLD 55075850XX		
20	2A	*	D16-0779-08	AC RUBBER RAW B55073350XX		
21	2A	*	D13-2584-08	AC MLD GEAR DRI20712240XX		
22	2A	*	D13-2585-08	AC MLD GEAR PUL20712250XX		
23	2A	*	T42-1116-08	AD ASY MOTOR DC20581800XX		
AA		*	N09-5404-08	SCREW WBT 3*10 J80600031030		
AB		*	N89-3006-46	SCREW-ST 3MM 0820349380XX		
AC		*	N89-3010-46	SCREW-ST 3MM 1020692300XX		
AD		*	N09-5405-08	SCREW-SPEC 3MM 20366370XX		
AE		*	N30-2604-46	SCREW 2.6MM 4MM20349530XX		
<b>MAIN/POWER</b>						
C201			CQ93FM1H104K	MYLAR 0.10UF	K	
C202,203			CK45FB1H221K	CERAMIC 220PF	K	
C204			CC45FCH1H820J	CERAMIC 82PF	J	
C205			CE04LW1H010M	ELECTRO 1.0UF	50WV	
C206			CC45FCH1H820J	CERAMIC 82PF	J	
C207			CE04LW1H010M	ELECTRO 1.0UF	50WV	
C208			CK45FB1H101K	CERAMIC 100PF	K	
C209			CQ93FM1H122J	MYLAR 1200PF	J	
C210			CK45FB1H101K	CERAMIC 100PF	K	
C211			CC45FCH1H470J	CERAMIC 47PF	J	
C212			CC45FCH1H080D	CERAMIC 8.0PF	D	
C213			CC45FCH1H100J	CERAMIC 10PF	J	
C214			CE04LW1C101M	ELECTRO 100UF	16WV	
C215			CK45FB1H821K	CERAMIC 820PF	K	
C216			CC45FCH1H470J	CERAMIC 47PF	J	
C217			CK45FB1H561K	CERAMIC 560PF	K	
C218,219			CE04LW1H4R7M	ELECTRO 4.7UF	50WV	
C220			CK45FB1H561K	CERAMIC 560PF	K	
C221			CC45FCH1H470J	CERAMIC 47PF	J	
C222			CK45FB1H821K	CERAMIC 820PF	K	
C223			CE04LW1C101M	ELECTRO 100UF	16WV	
C224			CC45FCH1H100J	CERAMIC 10PF	J	
C225			CC45FCH1H080D	CERAMIC 8.0PF	D	
C226			CC45FCH1H470J	CERAMIC 47PF	J	
C227			CK45FB1H101K	CERAMIC 100PF	K	
C228			CQ93FM1H122J	MYLAR 1200PF	J	
C229			CK45FB1H101K	CERAMIC 100PF	K	
C230			CK45FB1C103K	CERAMIC 0.010UF	K	
C231			CQ93FM1H104K	MYLAR 0.10UF	K	
C232			CE04LW1H4R7M	ELECTRO 4.7UF	50WV	
C233			CE04LW1C471M	ELECTRO 470UF	16WV	
C250,251			CK45FB1C103K	CERAMIC 0.010UF	K	
C252			CE04LW1C101M	ELECTRO 100UF	16WV	
C253			CK45FB1C103K	CERAMIC 0.010UF	K	
C254,255			CQ93FM1H104K	MYLAR 0.10UF	K	

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C256			CE04LW1E330M	ELECTRO 33UF	25WV	
C257			CE04LW1HR47M	ELECTRO 0.47UF	50WV	
C259,260			CK45FB1H102K	CERAMIC 1000PF	K	
C261,262			CE04LW1H220M	ELECTRO 22UF	50WV	
C263,264			CK45FB1C103K	CERAMIC 0.010UF	K	
C265,266			CK45FB1H103K	CERAMIC 0.010UF	K	
C269			CK45FB1H102K	CERAMIC 1000PF	K	
C401-410			CE04LW1H4R7M	ELECTRO 4.7UF	50WV	
C411			CQ93FM1H562K	MYLAR 5600PF	K	
C412			CQ93FM1H183J	MYLAR 0.018UF	J	
C413			CQ93FM1H223K	MYLAR 0.022UF	K	
C414,415			CQ93FM1H104K	MYLAR 0.10UF	K	
C416			CE04LW1H4R7M	ELECTRO 4.7UF	50WV	
C420			CE04LW1H4R7M	ELECTRO 4.7UF	50WV	
C421			CE04LW1C101M	ELECTRO 100UF	16WV	
C422			CK45FB1E223Z	CERAMIC 0.022UF	Z	
C423			CQ93FM1H104K	MYLAR 0.10UF	K	
C424			CE04LW1C100M	ELECTRO 10UF	16WV	
C425			CQ93FM1H104K	MYLAR 0.10UF	K	
C426			CQ93FM1H223K	MYLAR 0.022UF	K	
C427			CQ92FM1H183J	MYLAR 0.018UF	J	
C428			CQ93FM1H562K	MYLAR 5600PF	K	
C429-432			CE04LW1H4R7M	ELECTRO 4.7UF	50WV	
C433,434			CQ93FM1H154K	MYLAR 0.15UF	K	
C435			CE04LW1C470M	ELECTRO 47UF	16WV	
C436			CE04LW1H4R7M	ELECTRO 4.7UF	50WV	
C437-440			CK45FB1H221K	CERAMIC 220PF	K	
C441			CK41FB1E104Z	CYLND CHIP C 0.10UF	Z	
C450			CQ93FM1H154K	MYLAR 0.15UF	K	
C453			CQ93FM1H154K	MYLAR 0.15UF	K	
C465			CE04LW1H4R7M	ELECTRO 4.7UF	50WV	
C466			CK45FB1H101K	CERAMIC 100PF	K	
C467			CK45FB1H101K	CERAMIC 100PF	K	
C468			CE04LW1H4R7M	ELECTRO 4.7UF	50WV	
C470			CE04LW1H4R7M	ELECTRO 4.7UF	50WV	
C471,472			CE04LW1C470M	ELECTRO 47UF	16WV	
C473			CE04LW1H4R7M	ELECTRO 4.7UF	50WV	
C601,602		*	C90-5743-08	ELECTRO 6800UF	63WV	
C603,604		*	C91-1644-08	CP MET 0.1UF	250V	
C605,606		*	C90-5744-08	ELECTRO 4700UF	50WV	
C607,608			CQ93FM1H223K	MYLAR 0.022UF	K	
C614,615			CE04LW1H101M	ELECTRO 100UF	50WV	
C617,618			CE04LW1H101M	ELECTRO 100UF	50WV	
C621			CE04LW1C101M	ELECTRO 100UF	16WV	
C622			CK45FB1E223Z	CERAMIC 0.022UF	Z	
C623			CE04LW1C102M	ELECTRO 1000UF	16WV	
C626			CE04LW1C101M	ELECTRO 100UF	16WV	
C627			CE04LW1C102M	ELECTRO 1000UF	16WV	
C630			CE04LW1E332M	ELECTRO 3300UF	25WV	
C631			CE04LW1C101M	ELECTRO 100UF	16WV	
C632			CQ93FM1H223K	MYLAR 0.022UF	K	
C633			CQ93FM1H223K	MYLAR 0.022UF	K	
C634			CK45FB1E223Z	CERAMIC 0.022UF	Z	
C635			CE04LW1A222M	ELECTRO 2200UF	10WV	
C638			CE04LW1C101M	ELECTRO 100UF	16WV	

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PARTS LIST

RXD-DV90

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C639 C640		*	C90-5748-08 CE04LW1A221M	CE SHL 10000UF/J3420610336X ELECTRO 220UF 10WV		
CC401 CC402 CP401 CP404	1E,2E 1E,2E	*	E35-3203-08 E35-3016-08 E41-0797-08 E41-0798-08 E41-0799-08	FPC CABLE 17P 1J4112171701X FPC CABLE 15P 1J4112151501X CONN 1.25MM 15 55124800XX CONN 1.25MM 17 55124810XX CONN 1.25MM 19 55129010XX	TE YMM2X YMM2X TE	
JK203 JK402		*	E70-0152-08 E63-1240-08	CONN-SPE WP-41355149540XX CON PHONO SCKT 55149460XX		
△ F603,604			F05-3121-05	FUSULSLWBL 3.1520828800NR		
L201,202			L39-1624-08	LFA 1MM 10MM 7 21070690NR		
R201,202 R207 R223-226 R229-232 R234			RS14AB3A681J RS14AB3A100J RS14AB3AR22J RS14AB3AR22J R90-0840-05	FL-PROOF RS 680 J 1W FL-PROOF RS 10 J 1W FL-PROOF RS 0.22 J 1W FL-PROOF RS 0.22 J 1W FL-PROOF RS 0.22 J 5W		
R301 R318 R320 R321 R348,349			R90-0840-05 RS14AB3A100J RS14AB3A561J JUMPER RS14AB3A101J	FL-PROOF RS 0.22 J 5W FL-PROOF RS 10 J 1W FL-PROOF RS 560 J 1W JUMPER 20441260XX FL-PROOF RS 100 J 1W		
R602 R604 R608 R610 R620			RS14AB3A470J RS14AB3A470J RS14AB3A010J RS14AB2H121K JUMPER	FL-PROOF RS 47 J 1W FL-PROOF RS 47 J 1W FL-PROOF RS 1 J 1W FL-PROOF RS 120 K 1/2W JUMPER 20441250XX		
△ R626 VR201,202		*	RS14AB3AR22J R12-1616-08	FL-PROOF RS 0.22 J 1W PR 1K0 OHM +30%55159950NR		
K201		*	S76-0127-08	RLY OSA-SS-212DJ5512400020X		
D1 ,2 D201 D202 D203,204 D205			1N4148 1N4004 1N4148 1N4004 1N4148	D-SLP 1N4148 107043654016 D-SR 1N4004 4002041506016 D-SLP 1N4148 107043654016 D-SR 1N4004 4002041506016 D-SLP 1N4148 107043654016		
D206,207 D208,209 D210 D211-213 D217-219			MTZ5.1J(B) 1N4148 1N4004 1N4148 1N4148	D-ZENER 1N5231B2052696016 D-SLP 1N4148 107043654016 D-SR 1N4004 4002041506016 D-SLP 1N4148 107043654016 D-SLP 1N4148 107043654016		
D221 D222-225 D226 D227,228 D229			1N4148 1N5402 MTZ13J(C) 1N4148 * MTZ5.1J(B)	D-SLP 1N4148 107043654016 D-SRSHC 1N5402 5504164016 D-ZENER 1N5234B2052697016 D-SLP 1N4148 107043654016 D-ZENER 1N5231B2052696016		
△ D232-235 D601,602 D604 D606 D609		*	1N4148 BU8-04F MTZJ30C 1N5239B MTZ13J(C)	D-SLP 1N4148 107043654016 DIODE BU8-04F J2202306007X D-ZENER BZX55B32047534016 D-ZENER 1N5239B2045463016 D-ZENER 1N5243B2052687016		
△ D610 D611		*	BU6-04F MTZJ6.2C	B-D BU6-04F J1253000006X D-Z 0.5W 6.2V MJ2221462534X		

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⑥

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
D620 IC401 IC402 IC403 IC406		*	1N4148 TDA7439D BA4558 MC14066 BA4558	D-SLP 1N4148 107043654016 IC-LOWFREQ TDA755041290NR IC(OP AMP X2)4520323370NR IC IC(OP AMP X2)4520323370NR		
△ IC601 △ IC602 △ IC603		*	KIA7912PI-1 KIA7812API-1 KA278R33	IC(ANALOGUE IC)55094440NR IC-REGPOSFXD KI55094390NR IC-REGPOSFXD KA55129810NR		
P201 P202		*	P42T5D300BW18 P42T7D100BW18	POSISTOR 2P 180J2431400092X POSISTOR 2P 180J2431400102X		
Q201,202 Q203,204 Q205 Q206,207 Q208		*	KTC3205Y KTA1024 KTB631K 2SA1941 KTC3200GR	TR-SLPLF KTC3202049552056 TR-SLPLF KTA1025513326056 TR-SHPLF KTB63155134740NR TR PNP 2SA1941-J2002500203X TR-SHPLF KTC3202055660056		
Q209 Q210,211 Q212 Q213 Q214		*	KTD600K 2SC5198 2SC5200 2SC4793 2SA1943	TR-SHPLF KTD60055134750NR TR NPN 2SC5198-J2002520203X TR NPN C5200 O(J2002520003X TR PNP 2SC4793 J2002520403X TR PNP A1943 O(J2002500003X		
Q215 Q216 Q217 Q218 Q219		*	2SC4883A KTC3200GR KTA1024 KTA1268 KTD1302	TR NPN 2SC4883AJ2021520302X TR-SHPLF KTC3202055660056 TR-SLPLF KTA1025513326056 TR-SLPLF KTA1265513323056 TR-SLPLF KTD1305513329056		
Q220 Q221,222 Q223 Q224 Q225,226		*	KTA1268 KTC3200GR DTA114YSA KTD1302 KTA1268	TR-SLPLF KTA1265513323056 TR-SHPLF KTC3202055660056 TR-SLPLF DTA1145513322056 TR-SLPLF KTD1305513329056 TR-SLPLF KTA1265513323056		
Q227 Q228 Q229 Q230 Q231		*	KTC3200GR 2SC4883A 2SA1837 2SA1943 KTC3200GR	TR-SHPLF KTC3202055660056 TR NPN 2SC4883AJ2021520302X TR PNP 2SA1837 J2002540103X TR PNP A1943 O(J2002500003X TR-SHPLF KTC3202055660056		
Q232 Q233 Q234 Q235 Q236		*	KTA1024 2SC4793 2SC5200 KTA1024 KTC3205Y	TR-SLPLF KTA1025513326056 TR PNP 2SC4793 J2002520403X TR NPN C5200 O(J2002520003X TR-SLPLF KTA1025513326056 TR-SLPLF KTC3202049552056		
Q237,238 Q239 Q240,241 Q242 Q243		*	KTA1024 KTA1266(Y) KTC3198Y KTC3200GR 2SA1837	TR-SLPLF KTA1025513326056 TR-SLPLF KTA1262050821056 TR-SLPLF KTC3192050808056 TR-SHPLF KTC3202055660056 TR PNP 2SA1837 J2002540103X		
Q244 Q245 Q246 Q247 Q249,250		*	KTA1266(Y) DTA114YSA KTD1302 KTD1302 KTC3200GR	TR-SLPLF KTA1262050821056 TR-SLPLF DTA1145513322056 TR-SLPLF KTD1305513329056 TR-SLPLF KTD1305513329056 TR-SHPLF KTC3202055660056		
Q251 Q252 Q253 Q254 Q255		*	KTC3198Y KTC3205Y KTA1266(Y) KTC3198Y KTC3205Y	TR-SLPLF KTC3192050808056 TR-SLPLF KTC3202049552056 TR-SLPLF KTA1262050821056 TR-SLPLF KTC3192050808056 TR-SLPLF KTC3202049552056		

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Q256			KTA1266(Y)	TR-SLPLF KTA1262050821056		
Q257			KTC3198Y	TR-SLPLF KTC3192050808056		
Q258		*	DTA114YSA	TR-SLPLF DTA1145513322056		
Q259		*	DTC114YSA	TR-SLPLF DTC1145513321056		
Q401			KTA1266(Y)	TR-SLPLF KTA1262050821056		
Q403		*	DTC114YSA	TR-SLPLF DTC1145513321056		
Q404		*	DTA114YSA	TR-SLPLF DTA1145513322056		
Q406,407		*	KTD1302	TR-SLPLF KTD1305513329056		
Q408		*	DTA114YSA	TR-SLPLF DTA1145513322056		
Q409		*	DTC114YSA	TR-SLPLF DTC1145513321056		
Q410		*	DTA114YSA	TR-SLPLF DTA1145513322056		
Q601			KTA1273Y	TR-SLPHF KTA1272049548056		
Q603,604		*	KTD2058	TR-SHPLF KTD20555133280NR		
Q605			KTC3198Y	TR-SLPLF KTC3192050808056		
Q607			KTC3198Y	TR-SLPLF KTC3192050808056		
<b>FRONT/DECK</b>						
D808		*	B30-2626-08	D-LEM MVL-582HB55054040NR		
D809-814		*	B30-2627-08	D-LEM LTL-1CHPE55129160NR		
D815		*	B30-2625-08	LED RED/GREEN 3J2302210012X		
C1			CK45FB1E223Z	CERAMIC 0.022UF	Z	
C234			CE04LW1H0R1M	ELECTRO 0.1UF	50WV	MM2
C235,236			CE04LW1H100M	ELECTRO 10UF	50WV	MM2
C237,238			CE04LW1HR47M	ELECTRO 0.47UF	50WV	MM2
C239			CK45FB1H471K	CERAMIC 470PF	K	MM2
C240			CE04LW1H100M	ELECTRO 10UF	50WV	MM2
C241			CE04LW1HR47M	ELECTRO 0.47UF	50WV	MM2
C242			CK45FB1H681K	CERAMIC 680PF	K	MM2
C246			CK45FB1H102K	CERAMIC 1000PF	K	MM2
C248,249			CK45FB1H102K	CERAMIC 1000PF	K	
C801			CC45FCH1H220J	CERAMIC 22PF	J	
C802			CK45FB1H102K	CERAMIC 1000PF	K	
C803			CC45FCH1H220J	CERAMIC 22PF	J	
C804			CE04LW1C471M	ELECTRO 470UF	16WV	
C805			CK41FB1E104Z	CYLND CHIP C	0.10UF	Z
C806			CE04LW1H2R2M	ELECTRO 2.2UF	50WV	
C814			CE04LW1C470M	ELECTRO 47UF	16WV	
C815			CK45FB1E223Z	CERAMIC 0.022UF	Z	
C816			CK45FB1H102K	CERAMIC 1000PF	K	
C817			C90-5745-08	BACKUP-C	0.047F	5.5WV
C818			CK45FB1E223Z	CERAMIC 0.022UF	Z	
C819			CE04LW1C470M	ELECTRO 47UF	16WV	
C820			CK45FB1E223Z	CERAMIC 0.022UF	Z	
C821			CK45FB1E223Z	CERAMIC 0.022UF	Z	
C823			CE04LW1A101M	ELECTRO 100UF	10WV	
C824			CK45FB1E223Z	CERAMIC 0.022UF	Z	
C825			CE04LW1H100M	ELECTRO 10UF	50WV	
C826			CE04KW0J221M	ELECTRO 220UF	6.3WV	
C827			CE04LW1A101M	ELECTRO 100UF	10WV	
C828-830			CK45FB1H101K	CERAMIC 100PF	K	
C831			CE04LW1H2R2M	ELECTRO 2.2UF	50WV	
C901			CK45FB1H221K	CERAMIC 220PF	K	
C902			CK45FB1H681K	CERAMIC 680PF	K	
C903			CK45FB1H221K	CERAMIC 220PF	K	
C904			CK45FB1H681K	CERAMIC 680PF	K	

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C905			CK45FB1H221K	CERAMIC 220PF	K	
C906			CE04LW1C470M	ELECTRO 47UF	16WV	
C907			CQ93FM1H103K	MYLAR 0.010UF	K	
C908			CE04LW1H010M	ELECTRO 1.0UF	50WV	
C909			CE04LW1C221M	ELECTRO 220UF	16WV	
C910			CE04LW1H3R3M	ELECTRO 3.3UF	50WV	
C911			CE04LW1H4R7M	ELECTRO 4.7UF	50WV	
C912			CE04LW1C220M	ELECTRO 22UF	16WV	
C913			CK45FB1H221K	CERAMIC 220PF	K	
C914			CE04LW1A101M	ELECTRO 100UF	10WV	
C915			CE04LW1H4R7M	ELECTRO 4.7UF	50WV	
C916			CK45FB1H102K	CERAMIC 1000PF	K	
C917			CQ92FM1H182J	MYLAR 1800PF	J	
C918			CK45FB1H102K	CERAMIC 1000PF	K	
C919			CE04LW1C470M	ELECTRO 47UF	16WV	
C920			CE04LW1H4R7M	ELECTRO 4.7UF	50WV	
C921			CK45FB1H102K	CERAMIC 1000PF	K	
C922			CE04LW1C220M	ELECTRO 22UF	16WV	
C923			CK45FB1H221K	CERAMIC 220PF	K	
C924			CK45FB1H101K	CERAMIC 100PF	K	
C925			CE04LW1H4R7M	ELECTRO 4.7UF	50WV	
C926			CK45FB1H102K	CERAMIC 1000PF	K	
C927			CQ92FM1H182J	MYLAR 1800PF	J	
C928			CE04LW1H010M	ELECTRO 1.0UF	50WV	
C929			CE04LW1C470M	ELECTRO 47UF	16WV	
C930			CQ93FM1H103K	MYLAR 0.010UF	K	
C931,932			CK45FB1H221K	CERAMIC 220PF	K	
C933,934			CK45FB1H681K	CERAMIC 680PF	K	
C935			CE04LW1C220M	ELECTRO 22UF	16WV	
C936			CK45FB1H221K	CERAMIC 220PF	K	
C937			CK45FB1E223Z	CERAMIC 0.022UF	Z	
C938,939			CK45FB1H221K	CERAMIC 220PF	K	
C940			CQ93FM1H472K	MYLAR 4700PF	K	
C942			CK45FB1E223Z	CERAMIC 0.022UF	Z	
C943			CQ93FM1H103K	MYLAR 0.010UF	K	
C944			CE04LW1C470M	ELECTRO 47UF	16WV	
C945			CQ93FM1H153K	MYLAR 0.015UF	K	
C946			CQ93FM1H103K	MYLAR 0.010UF	K	
C947			CQ93FM1H153K	MYLAR 0.015UF	K	
C950			CK45FB1H101K	CERAMIC 100PF	K	
C951			CE04LW1C100M	ELECTRO 10UF	16WV	
C952,953			CE04LW1C470M	ELECTRO 47UF	16WV	
C954			CE04LW1H4R7M	ELECTRO 4.7UF	50WV	
C956			CK45FB1H471K	CERAMIC 470PF	K	
C957			CE04LW1H4R7M	ELECTRO 4.7UF	50WV	
C958			CK45FB1H471K	CERAMIC 470PF	K	
C959			CE04LW1H3R3M	ELECTRO 3.3UF	50WV	
C960			CE04LW1C220M	ELECTRO 22UF	16WV	
C961,962			CC45FCH1H470J	CERAMIC 47PF	J	
C962			CC45FCH1H470J	CERAMIC 47PF	J	
C963			CE04LW1C220M	ELECTRO 22UF	16WV	
CC801	2D,2E	*	E35-3013-08	FPC CABLE 19P 2J4112192001X		
CC901	2D	*	E35-3014-08	FPC CABLE 17P 6J4112170601X		
CP804		*	E41-0800-08	CONN 1.25MM 19 55124760XX		

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PARTS LIST

RXD-DV90



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CP906			E41-0801-08	CONN 1.25MM 19 55124750XX		
J929			JUMPER	20441180XX	MM2	
J957			JUMPER	20441240XX	MM2	
JK201		*	E11-0951-08	CONN-PHJAC 6.3555176280XX		
JK202		*	E11-0951-08	CONN-PHJAC 6.3555176280XX	MM2	
L901,902		*	L33-1645-08	COIL CHOKE RA 1J2612210323X		
T901		*	L32-1054-08	COIL BIAS OSC 7J3923150011X		
X801		*	L77-2355-08	CRESONATOR 10M055126140NR		
X802		*	L77-2356-08	FILQZ 32K768 HZ55093470NR		
EN801		*	R39-0046-08	ENCODER EC 16E J32616100001		
R375			JUMPER	20330130XX	MM2	
R842			JUMPER	20441180XX	Y	
R844			JUMPER	20330130XX	Y	
VR201		*	R32-0105-08	VOLUM RK09K12A J32214000401	MM2	
VR901		*	R12-3129-08	PR 22K0 OHM +3055150940NR		
VR903,904		*	R12-5059-08	PR 100K0 OHM +355150920NR		
SW801-805		*	S70-0092-08	SWITACT HOR 50M20404680NR		
SW810-827		*	S70-0092-08	SWITACT HOR 50M20404680NR		
D230,231			1N4148	D-SLP 1N4148 107043654016	MM2	
D240,241			1N4148	D-SLP 1N4148 107043654016	MM2	
D612			MTZ13J(C)	D-ZENER 1N5234B2052697016		
D802-805			1N4148	D-SLP 1N4148 107043654016		
D817			B30-2630-08	D-LEM LTL-42CB655136330NR		
D818,819			1N4148	D-SLP 1N4148 107043654016		
D830			1N4148	D-SLP 1N4148 107043654016	YMM2	
D901-904			1N4148	D-SLP 1N4148 107043654016		
D905			1N4004	D-SR 1N4004 4002041506016		
D906			1N4148	D-SLP 1N4148 107043654016		
D907			JUMPER	20330130XX		
FL801		*	HNA-11LS02	DISPLAY HNA-11L55129170NR		
IC201			BA4558	IC(OP AMP X2)4520323370NR		
IC801		*	CXP82860-324Q	IC-MICROCONT CX55128930NR	MM2	
IC802-805			MC14094BC	IC-LOGIC MC140920509810NR		
IC901			KIA6289N	IC VOL KIA6289N2115222001X		
IC902			BA4558	IC(OP AMP X2)4520323370NR		
Q801			KTC3198Y	TR-SLPLF KTC3192050808056		
Q803		*	DTC114YSA	TR-SLPLF DTC1145513321056		
Q806-814		*	DTC114YSA	TR-SLPLF DTC1145513321056		
Q815		*	DTA114YSA	TR-SLPLF DTC1145513321056		
Q901,902			KTD1302	TR-SLPLF KTD1305513329056		
Q903		*	DTC114YSA	TR-SLPLF DTC1145513321056		
Q904-911			KTD1302	TR-SLPLF KTD1305513329056		
Q912			KTA1266(Y)	TR-SLPLF KTA1262050821056		
Q913		*	DTC114YSA	TR-SLPLF DTC1145513321056		
Q914			KTA1266(Y)	TR-SLPLF KTA1262050821056		
Q916		*	DTC114YSA	TR-SLPLF DTC1145513321056		
Q917			KTC3205Y	TR-SLPLF KTC3202049552056		
Q918			KTC3198Y	TR-SLPLF KTC3192050808056		
Q919-921			KTA1273Y	TR-SLPHF KTA1272049548056		
Q922-924		*	DTC114YSA	TR-SLPLF DTC1145513321056		
Q925,926			KTC3205Y	TR-SLPLF KTC3202049552056		
Q927		*	DTA114YSA	TR-SLPLF DTA1145513322056		
Q945		*	DTC114YSA	TR-SLPLF DTC1145513321056		
RM801			W02-2801-08	S-REMOTE 38KHZ J2411120014X		

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<b>SURROUND</b>						
C1 -3			CK45FB1H222K	CERAMIC	2200PF	K
C103			CK45FB1E223Z	CERAMIC	0.022UF	Z
C105			CK45FB1E223Z	CERAMIC	0.022UF	Z
C106			CE04LW1C470M	ELECTRO	47UF	16WV
C107			CK45FB1H471K	CERAMIC	470PF	K
C108			CE04LW1H4R7M	ELECTRO	4.7UF	50WV
C109			CQ93FM2A473K	MYLAR	0.047UF	K
C110			CE04LW1C220M	ELECTRO	22UF	16WV
C111			CE04LW1C220M	ELECTRO	22UF	16WV
C113			CK45FB1E223Z	CERAMIC	0.022UF	Z
C115			CK45FB1E223Z	CERAMIC	0.022UF	Z
C116			CE04LW1C470M	ELECTRO	47UF	16WV
C117			CK45FB1H471K	CERAMIC	470PF	K
C118			CE04LW1H4R7M	ELECTRO	4.7UF	50WV
C119			CQ93FM2A473K	MYLAR	0.047UF	K
C120			CE04LW1C220M	ELECTRO	22UF	16WV
C122			CK45FB1E223Z	CERAMIC	0.022UF	Z
C124			CK45FB1E223Z	CERAMIC	0.022UF	Z
C125			CE04LW1C470M	ELECTRO	47UF	16WV
C126			CK45FB1H471K	CERAMIC	470PF	K
C127			CE04LW1H4R7M	ELECTRO	4.7UF	50WV
C128,129			CE04LW1H100M	ELECTRO	10UF	50WV
C130			CQ93FM2A473K	MYLAR	0.047UF	K
C133,134			CC45FCH1H100D	CERAMIC	10PF	D
C135			CE04LW1C470M	ELECTRO	47UF	16WV
C136			CC45FCH1H100D	CERAMIC	10PF	D
C139			CE04LW1C470M	ELECTRO	47UF	16WV
C140			CE04LW1H4R7M	ELECTRO	4.7UF	50WV
C143			CK45FB1H101K	CERAMIC	100PF	K
C144,145			CK45FB1H221K	CERAMIC	220PF	K
C146,147			CE04LW1H4R7M	ELECTRO	4.7UF	50WV
C148			CE04LW1C100M	ELECTRO	10UF	16WV
C149			CE04LW1C470M	ELECTRO	47UF	16WV
C150,151			CE04LW1H4R7M	ELECTRO	4.7UF	50WV
C152,153			CK45FB1H221K	CERAMIC	220PF	K
C154			CE04LW1C100M	ELECTRO	10UF	16WV
C155			CE04LW1C470M	ELECTRO	47UF	16WV
C156-159			CE04LW1H4R7M	ELECTRO	4.7UF	50WV
C160			CK45FB1H471K	CERAMIC	470PF	K
C161			CK41FB1E104Z	CYLND CHIP C	0.10UF	Z
C162			CE04LW1C470M	ELECTRO	47UF	16WV
C163			CE04LW1A221M	ELECTRO	220UF	10WV
C165-167			CK45FB1H102K	CERAMIC	1000PF	K
C609,610			CE04KW1H472M	ELECTRO	4700UF	50WV
C611,612			CQ93FM2A223K	MYLAR	0.022UF	K
JK101		*	E63-1241-08	CON PHONO SCKT 55088170XX		
JK102		*	E70-0153-08	CONN-SPE WP-60355149550XX		
F601			JUMPER	JUMPER	20441270XX	
F602			JUMPER	JUMPER	20441270XX	
R104			RS14AB3A100J	FL-PROOF RS	10 J	1W
R114			RS14AB3A100J	FL-PROOF RS	10 J	1W
R124			RS14AB3A100J	FL-PROOF RS	10 J	1W

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R164 R166			RS14AB3A561J RS14AB3A561J	FL-PROOF RS 560 J 1W FL-PROOF RS 560 J 1W		
RLY101,102			S76-0127-08	RLY OSA-SS-212DJ5512400020X		
D5 ,6 D102,103 D104 D603 D603			1N4148 1N4004 1N4148 BU6-04F KBU06G-M	D-SLP 1N4148 107043654016 D-SR 1N4004 4002041506016 D-SLP 1N4148 107043654016 B-D BU6-04F J1253000006X D BRIDGE KBU06GJ2202366109X		
IC101-103 IC104 IC106 IC108 Q101-103		*	TDA7294 TDA7449L BA4558 TDA7449L KTD1302	IC-POWAMP TDA7255152210NR IC-LOWFREQ TDA755128950NR IC(OP AMP X2)4520323370NR IC-LOWFREQ TDA755128950NR TR-SLPLF KTD1305513329056		
Q105 Q107 Q108,109 Q110 Q111		*	KTD1302 KTC3200GR DTA114YSA KTC3200GR DTA114YSA	TR-SLPLF KTD1305513329056 TR-SHPLF KTC3202055660056 TR-SLPLF DTA1145513322056 TR-SHPLF KTC3202055660056 TR-SLPLF DTA1145513322056		
Q606		*	KTD2058	TR-SHPLF KTD20555133280NR		

### STAVIDEO

C8 C9 C10 C13 C15			CK41FB1E104Z CE04LW1C470M CC45FSL1H391J CC45FSL1H391J CC45FSL1H391J	CYLND CHIP C 0.10UF Z ELECTRO 47UF 16WV CERAMIC 390PF J CERAMIC 390PF J CERAMIC 390PF J		
C17 C19 C21 C22 C701			CC45FSL1H391J CC45FSL1H391J CC45FSL1H391J CK45FB1H331K CE04LW1H0R1M	CERAMIC 390PF J CERAMIC 390PF J CERAMIC 390PF J CERAMIC 330PF K ELECTRO 0.1UF 50WV		
C702 C704 C705 C706			CE04LW1V332M CE04LW1C470M C91-1645-08 CK45FB1E223Z	ELECTRO 3300UF 35WV ELECTRO 47UF 16WV CC 4N7F +20% -20%55095470NR CERAMIC 0.022UF Z		
CN705 JK1 JK2,4		*	- E63-1242-08 E63-1243-08	CONN 1.25MM 15 55124800XX CON PHONO SCKT 55149420XX CON DIN SCKT MI55149520XX		YMM2X
F701 F702 F702 F703 F703			F05-2525-05 F05-2525-05 F05-5025-05 F F53-0263-08	FUSVDETIMELG 2.20403850NR FUSVDETIMELG 2.20403850NR FUSVDETIMELG 5.55126910NR FUSULSLWBL 500M55167150NR PROTEC MOD PSR-55173540NR		YMM2 XTE YMM2 YMM2 YMM2
CDL1,2 L1 -6 T701 T701		*	L92-0017-05 L40-2291-17 L07-3120-08 L07-3158-08	BEAD AXIAL 6MM J2631200012X LF 2U2H +10% 1.2107562016 ST/BY TRANS 110J2801710041X ST/BY TRANS 230J2812420042X		YMM2 XTE
K701 S701		*	S76-0126-08 S62-0108-08	RELAY SDT-S-105J5511610030X SW VOL.(SDKGA41J46100000701		YMM2
D1 -4 D701 D703-705			MTZ5.1J(B) 1N4148 1N4004	D-ZENER 1N5231B205269601 D-SLP 1N4148 107043654016 D-SR 1N4004 4002041506016		

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
D706,707 D708 D709 IC701 Q1			1N4148 1N4004 MTZ5.1J(B) KA78R05 KTC3198Y	D-SLP 1N4148 107043654016 D-SR 1N4004 4002041506016 D-ZENER 1N5231B2052696016 IC REG KA78R05 J2112532002X TR-SLPLF KTC3192050808056		
Q2 Q702			KTA1266(Y) KTC3200GR	TR-SLPLF KTA1262050821056 TR-SHPLF KTC3202055660056		
JK3		*	W02-2911-08	D-LEM TOTX178B 55125440NR		

### DVD

C1 -7 C8 ,9 C10 C11 ,12 C013			CK45FB1E104Z CK73GB1H102K CK73GB1H102K CC73GCH1H080D CE04LW1C102M	CERAMIC 0.10UF Z CHIP C 1000PF K CHIP C 1000PF K CHIP C 8.0PF D ELECTRO 1000UF 16WV		
C14 C16 C17 ,18 C19 ,20 C21			CK45FB1E104Z CE04LW0J102M CE04LW1A101M CK73GB1H102K CE04LW1A101M	CERAMIC 0.10UF Z ELECTRO 1000UF 6.3WV ELECTRO 100UF 10WV CHIP C 1000PF K ELECTRO 100UF 10WV		
C22 C23 ,24 C25 C26 C27			CK45FB1E104Z CC73FCH1H240J CE04LW1A221M CK73GB1H103K CK45FB1E104Z	CERAMIC 0.10UF Z CHIP C 24PF J ELECTRO 220UF 10WV CHIP C 0.010UF K CERAMIC 0.10UF Z	MM2	
C28 C29 C30 C31 C32			CK73GB1H103K CK45FB1E104Z CC73GCH1H471J CE04LW1C101M CK73GB1H103K	CHIP C 0.010UF K CERAMIC 0.10UF Z CHIP C 470PF J ELECTRO 100UF 16WV CHIP C 0.010UF K	MM2	
C33 -47 C48 C49 C51 C60			CK45FB1E104Z CC73GCH1H080D CC73GCH1H180J CE04LW1A221M CE04LW1C101M	CERAMIC 0.10UF Z CHIP C 8.0PF D CHIP C 18PF J ELECTRO 220UF 10WV ELECTRO 100UF 16WV		
C63 C81C C81FL C81FR C81SL			CK73GB1H102K CE04LW1C470M CE04LW1C470M CE04LW1C470M CE04LW1C470M	CHIP C 1000PF K ELECTRO 47UF 16WV ELECTRO 47UF 16WV ELECTRO 47UF 16WV ELECTRO 47UF 16WV		
C81SR C81W C82C C82FL C82FR			CE04LW1C470M CE04LW1C470M CC73GCH1H821J CC73GCH1H821J CC73GCH1H821J	ELECTRO 47UF 16WV ELECTRO 47UF 16WV CHIP C 820PF J CHIP C 820PF J CHIP C 820PF J		
C82SL C82SR C82W C83C C83FL			CC73GCH1H821J CC73GCH1H821J CC73GCH1H821J CE04LW1C470M CE04LW1C470M	CHIP C 820PF J CHIP C 820PF J CHIP C 820PF J ELECTRO 47UF 16WV ELECTRO 47UF 16WV		
C83FR C83SL C83SR C83W C85C			CE04LW1C470M CE04LW1C470M CE04LW1C470M CE04LW1C470M CE04LW1C470M	ELECTRO 47UF 16WV ELECTRO 47UF 16WV ELECTRO 47UF 16WV ELECTRO 47UF 16WV ELECTRO 47UF 16WV		

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RXD-DV90

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C85FL			CE04LW1C470M	ELECTRO 47UF 16WV		
C85FR			CE04LW1C470M	ELECTRO 47UF 16WV		
C85SL			CE04LW1C470M	ELECTRO 47UF 16WV		
C85SR			CE04LW1C470M	ELECTRO 47UF 16WV		
C85W			CE04LW1C470M	ELECTRO 47UF 16WV		
C86C			CC73GCH1H101J	CHIP C 100PF J		
C86FL			CC73GCH1H101J	CHIP C 100PF J		
C86FR			CC73GCH1H101J	CHIP C 100PF J		
C86SL			CC73GCH1H101J	CHIP C 100PF J		
C86SR			CC73GCH1H101J	CHIP C 100PF J		
C86W			CC73GCH1H101J	CHIP C 100PF J		
C87C			CC73GCH1H821J	CHIP C 820PF J		
C87FL			CC73GCH1H821J	CHIP C 820PF J		
C87FR			CC73GCH1H821J	CHIP C 820PF J		
C87SL			CC73GCH1H821J	CHIP C 820PF J		
C87SR			CC73GCH1H821J	CHIP C 820PF J		
C87W			CC73GCH1H821J	CHIP C 820PF J		
C88C			CE04LW1C100M	ELECTRO 10UF 16WV		
C88FL			CE04LW1C100M	ELECTRO 10UF 16WV		
C88FR			CE04LW1C100M	ELECTRO 10UF 16WV		
C88SL			CE04LW1C100M	ELECTRO 10UF 16WV		
C88SR			CE04LW1C100M	ELECTRO 10UF 16WV		
C88W			CE04LW1C100M	ELECTRO 10UF 16WV		
CM1			CE04LW1C101M	ELECTRO 100UF 16WV		
CM2			CE04LW1C101M	ELECTRO 100UF 16WV		
CV1			CE04LW1C101M	ELECTRO 100UF 16WV		
CV2			CK73GB1H391J	CHIP C 390PF J		
CV3			CE04LW0J471M	ELECTRO 470UF 6.3WV		
CV4			CK73GB1H332K	CHIP C 3300PF K		
CV5			CK45FB1E104Z	CERAMIC 0.10UF Z		
CV6			CE04LW0J471M	ELECTRO 470UF 6.3WV		
CV7			CE04LW1C101M	ELECTRO 100UF 16WV		
CV8			CK73GB1H332K	CHIP C 3300PF K		
CV9			CE04LW0J471M	ELECTRO 470UF 6.3WV		
CV10			CK73GB1H391J	CHIP C 390PF J		
CV11			CE04LW1C101M	ELECTRO 100UF 16WV		
CV12			CK45FB1E104Z	CERAMIC 0.10UF Z		
CV13			CE04LW0J471M	ELECTRO 470UF 6.3WV		
CV14			CK73GB1H391J	CHIP C 390PF J		
CV15			CE04LW0J471M	ELECTRO 470UF 6.3WV		
CV16			CK73GB1H332K	CHIP C 3300PF K		
CV17			CK45FB1E104Z	CERAMIC 0.10UF Z		
CV18			CE04LW0J471M	ELECTRO 470UF 6.3WV		
CV19			CE04LW1C101M	ELECTRO 100UF 16WV		
CV20			CC73GCH1H680J	CHIP C 68PF J		
CV21			CE04LW0J102M	ELECTRO 1000UF 6.3WV		
CV22			CK73GB1H332K	CHIP C 3300PF K		
CV23			CK45FB1E104Z	CERAMIC 0.10UF Z		
CV24			CE04LW0J471M	ELECTRO 470UF 6.3WV		
CV25			CE04LW1C101M	ELECTRO 100UF 16WV		
CV26			CC73GCH1H680J	CHIP C 68PF J		
CV27			CK73GB1H561J	CHIP C 560PF J	MM2	
CV28			CK73GB1H332K	CHIP C 3300PF K		
CV29			CK45FB1E104Z	CERAMIC 0.10UF Z		

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
CV31			CE04LW1C101M	ELECTRO 100UF 16WV		
CV32			CK73GB1H391J	CHIP C 390PF J		
CV34			CK73GB1H332K	CHIP C 3300PF K		
CV35			CK45FB1E104Z	CERAMIC 0.10UF Z		
CV37			CE04LW0J102M	ELECTRO 1000UF 6.3WV		
CV39			CE04LW1A221M	ELECTRO 220UF 10WV		
CV41,42			CE04LW0J102M	ELECTRO 1000UF 6.3WV		
CV43,44			CK73GB1H102K	CHIP C 1000PF K		
CV45			CE04LW0J102M	ELECTRO 1000UF 6.3WV		
CV46,47			CK73GB1H102K	CHIP C 1000PF K		
CV48			CE04LW0J102M	ELECTRO 1000UF 6.3WV		
CV49,50			CK73GB1H102K	CHIP C 1000PF K		
CV51-53			CE04LW1C100M	ELECTRO 10UF 16WV	MM2	
CV54,55			CE04LW1C100M	ELECTRO 10UF 16WV		
CV56			CE04LW0J471M	ELECTRO 470UF 6.3WV		
CV57			CK73GB1H102K	CHIP C 1000PF K	MM2	
CV58			CK45FB1E104Z	CERAMIC 0.10UF Z	MM2	
CV62-64			CC73GCH1H330J	CHIP C 33PF J		
CV65			CC73GCH1H330J	CHIP C 33PF J	YMM2X	
DV1			CE04LW1C101M	ELECTRO 100UF 16WV		
CC1	3B	*	E35-3204-08	FPC CABLE 33P 3J4114333501X		
CC2	3B	*	E35-3019-08	FPC CABLE 15P 2J4112152501X		
CC3	3B	*	E35-3205-08	FPC CABLE 19P 1J4114191301X		
CN1		*	E41-0802-08	CONN 1.25MM 19 55129010XX		
CN4		*	E41-0803-08	CONN 1.25MM 15 55124890XX		
CP1		*	E35-3017-08	CONN 1.25MM 33 55129060XX		
BD10,11			L92-0551-08	FBEAD SURFACE M5512673050		
BD10B			L92-0551-08	FBEAD SURFACE M5512673050		
R68			L92-0551-08	FBEAD SURFACE M5512673050		
X1			L77-2354-08	FILQZ 27M0 HZ +55128980NR		
J5			RK73GB1J000J	CHIP R 0 J 1/16W		
J10			RK73GB1J000J	CHIP R 0 J 1/16W		
LM1			RK73GB1J100J	CHIP R 10 J 1/16W		
R1			RK73GB1J470J	CHIP R 47 J 1/16W		
R2			RK73GB1J101J	CHIP R 100 J 1/16W		
R3 -8			RK73GB1J101J	CHIP R 100 J 1/16W		
R9			RK73GB1J470J	CHIP R 47 J 1/16W		
R10			RK73GB1J101J	CHIP R 100 J 1/16W		
R11			RK73GB1J473J	CHIP R 47K J 1/16W		
R12 ,13			RK73GB1J470J	CHIP R 47 J 1/16W		
R14			RK73GB1J470J	CHIP R 47 J 1/16W		
R15			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R16			RK73GB1J103J	CHIP R 10K J 1/16W		
R16A			RK73GB1J103J	CHIP R 10K J 1/16W		
R17A			RK73GB1J470J	CHIP R 47 J 1/16W		
R20 -23			RK73GB1J470J	CHIP R 47 J 1/16W		
R24 -25			RK73GB1J122J	CHIP R 1.2K J 1/16W		
R26 -32			RK73GB1J470J	CHIP R 47 J 1/16W		
R33			RK73GB1J103J	CHIP R 10K J 1/16W		
R34 ,35			RK73GB1J153J	CHIP R 15K J 1/16W		
R36			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R37			RK73GB1J105J	CHIP R 1.0M J 1/16W		
R38 -40			RK73GB1J470J	CHIP R 47 J 1/16W		
R41			RK73GB1J100J	CHIP R 10 J 1/16W		

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RXD-DV90

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R42			RK73GB1J471J	CHIP R 470 J 1/16W	MM2	
R43			RK73GB1J221J	CHIP R 220 J 1/16W		
R44			RK73GB1J151J	CHIP R 150 J 1/16W		
R45			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R46 ,47			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R48			RK73GB1J103J	CHIP R 10K J 1/16W		
R49			RK73GB1J560J	CHIP R 56 J 1/16W		
R50			RK73GB1J000J	CHIP R 0 J 1/16W		
R51 -55			RK73GB1J103J	CHIP R 10K J 1/16W		
R56 ,57			RK73GB1J750J	CHIP R 75 J 1/16W		
R58			RK73GB1J471J	CHIP R 470 J 1/16W		
R59			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R61			RK73GB1J100J	CHIP R 10 J 1/16W		
R62			L92-0551-08	FBEAD SURFACE M5512673050		
R62A			RK73GB1J103J	CHIP R 10K J 1/16W		
R63			RK73GB1J100J	CHIP R 10 J 1/16W		
R64 -66			RK73GB1J470J	CHIP R 47 J 1/16W		
R67			L92-0551-08	FBEAD SURFACE M5512673050		
R70			L92-0551-08	FBEAD SURFACE M5512673050		
R71 -73			RK73GB1J221J	CHIP R 220 J 1/16W		
R74 -80			RK73GB1J470J	CHIP R 47 J 1/16W		
R81 ,82			RK73GB1J103J	CHIP R 10K J 1/16W		
R81C			RK73GB1J342F	CHIP R 3.4K F 1/16W		
R81FL			RK73GB1J342F	CHIP R 3.4K F 1/16W		
R81FR			RK73GB1J342F	CHIP R 3.4K F 1/16W		
R81SL			RK73GB1J342F	CHIP R 3.4K F 1/16W		
R81SR			RK73GB1J342F	CHIP R 3.4K F 1/16W		
R81W			RK73GB1J342F	CHIP R 3.4K F 1/16W		
R82C			RK73GB1J512J	CHIP R 5.1K J 1/16W		
R82FL			RK73GB1J512J	CHIP R 5.1K J 1/16W		
R82FR			RK73GB1J512J	CHIP R 5.1K J 1/16W		
R82SL			RK73GB1J512J	CHIP R 5.1K J 1/16W		
R82SR			RK73GB1J512J	CHIP R 5.1K J 1/16W		
R82W			RK73GB1J512J	CHIP R 5.1K J 1/16W		
R83			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R83C			RK73GB1J512J	CHIP R 5.1K J 1/16W		
R83FL			RK73GB1J512J	CHIP R 5.1K J 1/16W		
R83FR			RK73GB1J512J	CHIP R 5.1K J 1/16W		
R83SL			RK73GB1J512J	CHIP R 5.1K J 1/16W		
R83SR			RK73GB1J512J	CHIP R 5.1K J 1/16W		
R83W			RK73GB1J512J	CHIP R 5.1K J 1/16W		
R84 -90			RK73GB1J473J	CHIP R 47K J 1/16W		
R84C			RK73GB1J104J	CHIP R 100K J 1/16W		
R84FL			RK73GB1J104J	CHIP R 100K J 1/16W		
R84FR			RK73GB1J104J	CHIP R 100K J 1/16W		
R84SL			RK73GB1J104J	CHIP R 100K J 1/16W		
R84SR			RK73GB1J104J	CHIP R 100K J 1/16W		
R84W			RK73GB1J104J	CHIP R 100K J 1/16W		
R85C			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R85FL			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R85FR			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R85SL			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R85SR			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R85W			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R86C			RK73GB1J473J	CHIP R 47K J 1/16W		

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R86FL			RK73GB1J473J	CHIP R 47K J 1/16W	MM2	
R86FR			RK73GB1J473J	CHIP R 47K J 1/16W		
R86SL			RK73GB1J473J	CHIP R 47K J 1/16W		
R86SR			RK73GB1J473J	CHIP R 47K J 1/16W		
R86W			RK73GB1J473J	CHIP R 47K J 1/16W		
R87C			RK73GB1J342F	CHIP R 3.4K F 1/16W		
R87FL			RK73GB1J342F	CHIP R 3.4K F 1/16W		
R87FR			RK73GB1J342F	CHIP R 3.4K F 1/16W		
R87SL			RK73GB1J342F	CHIP R 3.4K F 1/16W		
R87SR			RK73GB1J342F	CHIP R 3.4K F 1/16W		
R87W			RK73GB1J342F	CHIP R 3.4K F 1/16W		
R91			RK73GB1J000J	CHIP R 0 J 1/16W		
R92 -94			RK73GB1J470J	CHIP R 47 J 1/16W		
R95			RK73GB1J101J	CHIP R 100 J 1/16W		
R96			RK73GB1J470J	CHIP R 47 J 1/16W		
R102,103			RK73GB1J470J	CHIP R 47 J 1/16W		
R104			RK73GB1J100J	CHIP R 10 J 1/16W		
R105-110			RK73GB1J221J	CHIP R 220 J 1/16W		
R111			RK73GB1J000J	CHIP R 0 J 1/16W		
R111A			RK73GB1J000J	CHIP R 0 J 1/16W		
R112,113			RK73GB1J103J	CHIP R 10K J 1/16W		
R114			RK73GB1J470J	CHIP R 47 J 1/16W		
R115			RK73GB1J560J	CHIP R 56 J 1/16W		
R118,119			RK73GB1J470J	CHIP R 47 J 1/16W		
RA1 -3	*		R90-1333-08	RCA 47R0 OHM +555129820NR		
RA4	*		RK73GB1J100J	CHIP R 10 J 1/16W	MM2	
RA5 -16	*		R90-1333-08	RCA 47R0 OHM +555129820NR		
RA11	*		R90-1333-08	RCA 47R0 OHM +555129820NR		
RA70-73			RK73GB1J101J	CHIP R 100 J 1/16W	MM2	
RA80			RK73GB1J103J	CHIP R 10K J 1/16W	MM2	
RM7 ,8			RK73GB1J103J	CHIP R 10K J 1/16W		
RM9			RK73GB1J473J	CHIP R 47K J 1/16W		
RM20-23			RK73GB1J472J	CHIP R 4.7K J 1/16W		
RS1 -3			RK73GB1J470J	CHIP R 47 J 1/16W		
RS4			RK73GB1J100J	CHIP R 10 J 1/16W		
RS5 -7			RK73GB1J470J	CHIP R 47 J 1/16W		
RS16			RK73GB1J470J	CHIP R 47 J 1/16W		
RS18			RK73GB1J470J	CHIP R 47 J 1/16W		
RS21,22			RK73GB1J470J	CHIP R 47 J 1/16W		
RS23			RK73GB1J470J	CHIP R 47 J 1/16W		
RS24			RK73GB1J470J	CHIP R 47 J 1/16W		
RS90			RK73GB1J473J	CHIP R 47K J 1/16W		
RV1			RK73GB1J750J	CHIP R 75 J 1/16W		
RV2			RK73GB1J241J	CHIP R 240 J 1/16W		
RV3			RK73GB1J222J	CHIP R 2.2K J 1/16W		
RV4			RK73GB1J821J	CHIP R 820 J 1/16W		
RV5			RK73GB1J241J	CHIP R 240 J 1/16W		
RV6			RK73GB1J821J	CHIP R 820 J 1/16W		
RV7			RK73GB1J222J	CHIP R 2.2K J 1/16W		
RV8			RK73GB1J120J	CHIP R 12 J 1/16W		
RV9			RK73GB1J8R2J	CHIP R 8.2 J 1/16W		
RV10			RK73GB1J120J	CHIP R 12 J 1/16W		
RV11			RK73GB1J8R2J	CHIP R 8.2 J 1/16W		
RV12			RK73GB1J750J	CHIP R 75 J 1/16W		
RV13			RK73GB1J241J	CHIP R 240 J 1/16W		

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PARTS LIST

RXD-DV90

\* New Parts  
Parts without **Parts No.** are not supplied.  
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Teile ohne **Parts No.** werden nicht geliefert.

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
RV14			RK73GB1J222J	CHIP R 2.2K J 1/16W		
RV15			RK73GB1J821J	CHIP R 820 J 1/16W		
RV16			RK73GB1J120J	CHIP R 12 J 1/16W		
RV17			RK73GB1J8R2J	CHIP R 8.2 J 1/16W		
RV18			RK73GB1J750J	CHIP R 75 J 1/16W		
RV19			RK73GB1J241J	CHIP R 240 J 1/16W		
RV20			RK73GB1J222J	CHIP R 2.2K J 1/16W		
RV21			RK73GB1J821J	CHIP R 820 J 1/16W		
RV22			RK73GB1J120J	CHIP R 12 J 1/16W		
RV23			RK73GB1J8R2J	CHIP R 8.2 J 1/16W		
RV24			RK73GB1J750J	CHIP R 75 J 1/16W		
RV25			RK73GB1J241J	CHIP R 240 J 1/16W		
RV26			RK73GB1J222J	CHIP R 2.2K J 1/16W		
RV27			RK73GB1J821J	CHIP R 820 J 1/16W		
RV28			RK73GB1J120J	CHIP R 12 J 1/16W		
RV29			RK73GB1J8R2J	CHIP R 8.2 J 1/16W		
RV30			RK73GB1J750J	CHIP R 75 J 1/16W		
RV31			RK73GB1J241J	CHIP R 240 J 1/16W		
RV32			RK73GB1J222J	CHIP R 2.2K J 1/16W		
RV33			RK73GB1J821J	CHIP R 820 J 1/16W		
RV34			RK73GB1J120J	CHIP R 12 J 1/16W		
RV35			RK73GB1J8R2J	CHIP R 8.2 J 1/16W		
RV36			RK73GB1J750J	CHIP R 75 J 1/16W		
RV37-42			RK73GB1J330J	CHIP R 33 J 1/16W		
RV43			L92-0551-08	FBEAD SURFACE M5512673050		
RV44			RK73GB1J100J	CHIP R 10 J 1/16W		
RV50-55			RK73GB1J100J	CHIP R 10 J 1/16W		
D1			1N4004	D-SR 1N4004 4002041506016		
D2 ,3			1SS355	D-SLP 1SS355 3520496510NR		
D4 -7			ZNR5V1B	D-CHIP ZNR5V1B0J2242451514X		
D8C			1SS355	D-SLP 1SS355 3520496510NR		
D8FL			1SS355	D-SLP 1SS355 3520496510NR		
D8FR			1SS355	D-SLP 1SS355 3520496510NR		
D8SL			1SS355	D-SLP 1SS355 3520496510NR		
D8SR			1SS355	D-SLP 1SS355 3520496510NR		
D8W			1SS355	D-SLP 1SS355 3520496510NR		
IC1		*	STI5508	IC-VIDEOPROC ST55130350NR		
IC2		*	HY57V65	IC-DRAM HY57V6555156290NR		
IC3		*	K4S6416	IC-DRAM K4S641655156420NR		
IC4		*	M29W800AT	IC FLASH M29F80J2131007002X		
IC5		*	M24C02WMMN6	IC-EEPROM M24C020940740NR		
			M74HCU04M	IC-LOGIC M74HCU55133310NR		
IC6		*	CS5330A-KS	IC-CONV CS5330A55129680NR	MM2	
IC7		*	74VHC125MX	IC-LOGIC 74VHC155129000NR	MM2	
IC8 -10			PCM1748KE	IC DAC PCM1748KJ2133020002X		
IC81-83			BA4560F	IC-OPERAMP BA4555128990NR		
Q1 ,2			KTC3875Y	TR-SLPSWA KTC382097046092		
Q3C			DTC323TK	TR-SSD DTC323TK5503943092		
Q3FL			DTC323TK	TR-SSD DTC323TK5503943092		
Q3FR			DTC323TK	TR-SSD DTC323TK5503943092		
Q3SL			DTC323TK	TR-SSD DTC323TK5503943092		
Q3SR			DTC323TK	TR-SSD DTC323TK5503943092		
Q3W			DTC323TK	TR-SSD DTC323TK5503943092		
Q4C			KRA107S	TR-SSD KRA107S 5505126092		

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Q4FL			KRA107S	TR-SSD KRA107S 5505126092		
Q4FR			KRA107S	TR-SSD KRA107S 5505126092		
Q4SL			KRA107S	TR-SSD KRA107S 5505126092		
Q4SR			KRA107S	TR-SSD KRA107S 5505126092		
Q4W			KRA107S	TR-SSD KRA107S 5505126092		
QV1 -6		*	KTN2907A	TR-SLPSWA KTN295513783092		
QV7 ,8			KRC107S	TR-SSD KRC107S 5505124092		
QV9 -14			DTC323TK	TR-SSD DTC323TK5503943092		
<b>DVD SUB</b>						
C001			CE04LW1C102M	ELECTRO 1000UF 16WV		
C002			CK45FB1H104K	CERAMIC 0.10UF K		
C003			CK45FB1H220J	CERAMIC 22PF J		
C004			CK45FB1H104K	CERAMIC 0.10UF K		
C005			CK45FB1H220J	CERAMIC 22PF J		
C006			CK45FB1H104K	CERAMIC 0.10UF K		
BD01,2			L92-0017-05	BEAD AXIAL 6MM J2631200012X		
L001			L40-3901-17	LF 39UOH +10% 120833280NR		
M100			T42-1116-08	AD ASY MOTOR DC20581800XX		
D001,002			UZ5V6	D-ZENER 1N5232B2041428016		
IC01,02			LB1641	IC(MOTOR DRIVER)0656300NR		
P101-03		*	T95-0188-08	D-PHOTO ITR960620586840NR		
P104			GP2S28	D-PHOTO GP2S28 20556130NR		
Q001		*	DTC114YSA	TR-SLPLF DTC1145513321056		

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**HOW TO READ THE PARTS LIST**  
**ABBREVIATION OF MODEL AND MASS PRODUCTION'S DESTINATIONS**

MODEL	ABB.	Australia	Canada	China	England	Europe	Germany	Korea	Malaysia
RXD-DV90		X	P	C	T	E	G	H	I
		X	-	-	T	E	-	-	-
MODEL	ABB.	Mexico	PX/AAFES	Russia	Scandinavia	Shanghai	USA	Other area	Saudi Arabia
RXD-DV90		R	Y	Q	L	V	K	M	M2
		-	-	-	-	-	-	M	M2

## SPECIFICATIONS

### Main unit

#### [ Amplifier section ]

##### XD-DV90

###### [for Europe and U.K.]

Rated output power during STEREO operation

(DIN) 1 kHz, 0.7 % T.H.D. at 6 Ω ..... 105 W + 105 W

Effective output power during SURROUND operation

Front (1 kHz, 10 % T.H.D. at 6 Ω) ..... 124 W + 124 W

Center (1 kHz, 10 % T.H.D. at 6 Ω) ..... 62 W

Surround (1 kHz, 10 % T.H.D. at 8 Ω) ..... 46 W + 46 W

###### [for other countries]

Rated output power during STEREO operation

1 kHz, 0.7 % T.H.D. at 6 Ω ..... 108 W + 108 W

Effective output power during SURROUND operation

Front (1 kHz, 10 % T.H.D. at 6 Ω) ..... 124 W + 124 W

Center (1 kHz, 10 % T.H.D. at 6 Ω) ..... 62 W

Surround (1 kHz, 10 % T.H.D. at 8 Ω) ..... 46 W + 46 W

Input sensitivity / impedance

VIDEO/AUX ..... 400 mV / 35 kΩ

MIC (only some areas) ..... 4.0 mV / 8.2 kΩ

Output level / impedance

VIDEO/AUX ..... 400 mV / 1.0 kΩ

SUB WOOFER PREOUT ..... 1.0 V / 2.2 kΩ

#### [ Tuner section ]

FM tuner section

Tuning frequency range ..... 87.5 MHz ~ 108 MHz

AM Tuner section

Tuning frequency range (for U.K., Europe and Australia)

..... 531 kHz ~ 1,602 kHz

Tuning frequency range (for U.S.A. and Canada)

..... 530 kHz ~ 1,700 kHz

Tuning frequency range (for other countries)

..... 531 kHz ~ 1,602 kHz / 530 kHz ~ 1,700 kHz

#### [ Cassette deck section ]

Track 4-track, 2-channel stereo"

Recording system ..... AC bias system

(Frequency: 105 kHz)

Heads

TAPE A Playback head ..... 1

TAPE B Playback / recording head ..... 1

Erasing head ..... 1

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

#### [ DVD/CD/VIDEO CD player section ]

Laser Semiconductor laser

Wow & Flutter Less than unmeasurable Limit

Video output format (for U.S.A. and Canada) ..... NTSC

Video output format (for other countries) ..... NTSC/PAL

VIDEO OUTPUT

Composit video output level/impedance ..... 1 Vp-p (75 Ω)

S-video output

Y output level/impedance ..... 1 Vp-p (75 Ω)

C output level/impedance

NTSC ..... 0.286 Vp-p (75 Ω)

PAL ..... 0.3 Vp-p (75 Ω)

Component video output (only for some areas)

Y output level/impedance ..... 1 Vp-p (75 Ω)

C/b output level/impedance ..... 0.7 Vp-p (75 Ω)

C/r output level/impedance ..... 0.7 Vp-p (75 Ω)

Compression format ..... MPEG1/MPEG2

Digital output ..... -15 dBm ~ 21 dBm  
(Wave length 660 mm)

#### [ General ]

Power consumption ..... 280 W

Dimensions ..... W: 280 mm

H: 330 mm

D: 408 mm

Weight (net) ..... 14.0 kg

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

Sufficient performance may not be exhibited at extremely cold locations (Where water freezes).

#### 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.

## KENWOOD CORPORATION

14-6, Dogenzaka 1-chome, Shibuya-ku, Tokyo, 150-8501 Japan

### KENWOOD SERVICE CORPORATION

P.O. BOX 22745, 2201 East Dominguez St., Long Beach, CA 90801-5745, U.S.A.

### KENWOOD ELECTRONICS CANADA INC.

6070 Kestrel Road, Mississauga, Ontario, Canada L5T 1S8

### KENWOOD ELECTRONICS LATIN AMERICA S.A.

P.O. BOX 55-2791, Piso 6 plaza Chase, Cl. 47 y Aquilino de la Guardia Panama, Republic de Panama

### KENWOOD ELECTRONICS BRASIL LTDA.

Alameda Ministro Rocha Azevedo No. 456, Edifício Jaú, 10o Andar, Cerqueira César, Cep 0140-001, São Paulo-SP-Brasil

### KENWOOD ELECTRONICS U.K. LIMITED

KENWOOD House, Dwight Road, Watford, Herts., WD1 8EB., United Kingdom

### KENWOOD ELECTRONICS BELGUM N.V.

Meachelsesteenweg 418, B-1930 Zaventem, Belgium

### KENWOOD ELECTRONICS DEUTSCHLAND GMBH

Rembrücker Str. 15, 63150 Heusenstamm, Germany

### KENWOOD ELECTRONICS FRANCE S.A.

13 Boulevard Ney, 75018 Paris, France

### KENWOOD ELECTRONICS ITALIA S.p.A.

Via G. Sirtori, 7/9 20129, Milano, Italy

### KENWOOD IBÉRICA S.A.

Bolivia, 239-08020 Barcelona, Spain

### KENWOOD ELECTRONICS AUSTRALIA PTY. LTD.

(A.C.N. 001 499 074)  
16 Giffnock Avenue, North Ryde, N.S.W. 2113, Australia

### KENWOOD ELECTRONICS (HONG KONG) LTD.

Unit 3712-3724, Level 37, Tower 1, Metroplaza, 223 Hing Fong Road, Kwai Fong N.T., Hong Kong

### KENWOOD ELECTRONICS GULF FZE

P.O. Box 61318, Jebel Ali, Dubai, U.A.E.

### KENWOOD ELECTRONICS SINGAPORE PTE LTD.

No. 1 Genting Lane #02-02, KENWOOD Building, Singapore, 349544

### KENWOOD ELECTRONICS (MALAYSIA) SDN BHD.

#4.01 Level 4, Wisma Academy Lot 4A, Jalan 19/1 46300 Petaling Jaya Selangor Darul Ehsan Malaysia

### KENWOOD ELECTRONICS (THAILAND) CO., LTD.

2019 New Pechburi Road, Bangkok, Huaykwang, Bangkok, 10320 Thailand