ALPINE

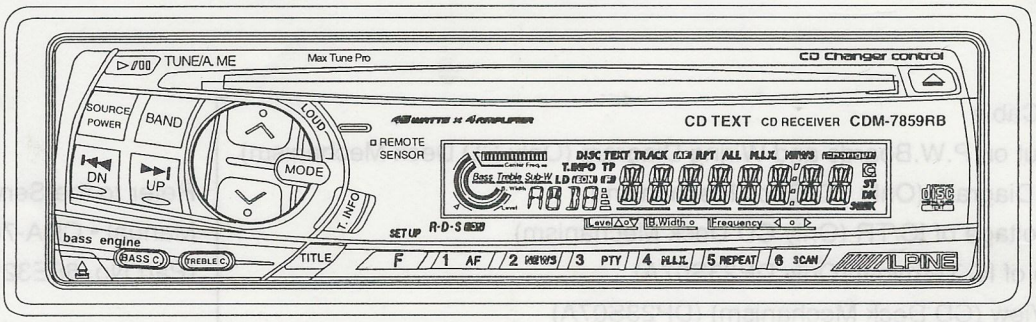
SERVICE MANUAL

FM/MW/LW/RDS

Compact Disc Receiver

COMPACT disc DIGITAL AUDIO TEXT

- The model described in this manual is developed from Model CDA-7873R. For information that is not mentioned in this service manual, refer to the Service Manual • CDA-7873R (Part No. 68E32156S01).



(CDM-7859RB)

CDM-7859RB/CDM-7858RB/ CDM-7856R/CDM-7856RM

Contents

Packing Assembly Parts List 3
Packing Method View 3
Specifications 4, 5
Adjustment Procedures 6, 7
Block Diagram 8
Parts Layout on P.W.Boards and Wiring Diagram ..... 9~16
Schematic Diagram ..... 17~30
Terminal Voltage of IC/TR ..... 31~33
Description of IC Terminal 34, 35
Electrical Parts List ..... 36~43
Cabinet Assembly Parts List 44
Exploded View (Cabinet) 45, 46

Extension Cable
Parts Layout on P.W.Boards and Wiring Diagram (Only CD Deck Mechanism)
Schematic Diagram (Only CD Deck Mechanism)
Terminal Voltage of IC/TR (Only CD Deck Mechanism)
Description of IC Terminal (Only DP23S07A)
Exploded View (CD Deck Mechanism) (DP23S07A)
CD Deck Mechanism Assembly Parts List

Refer to the Service Manual • CDA-7873R (Part No. 68E32156S01).

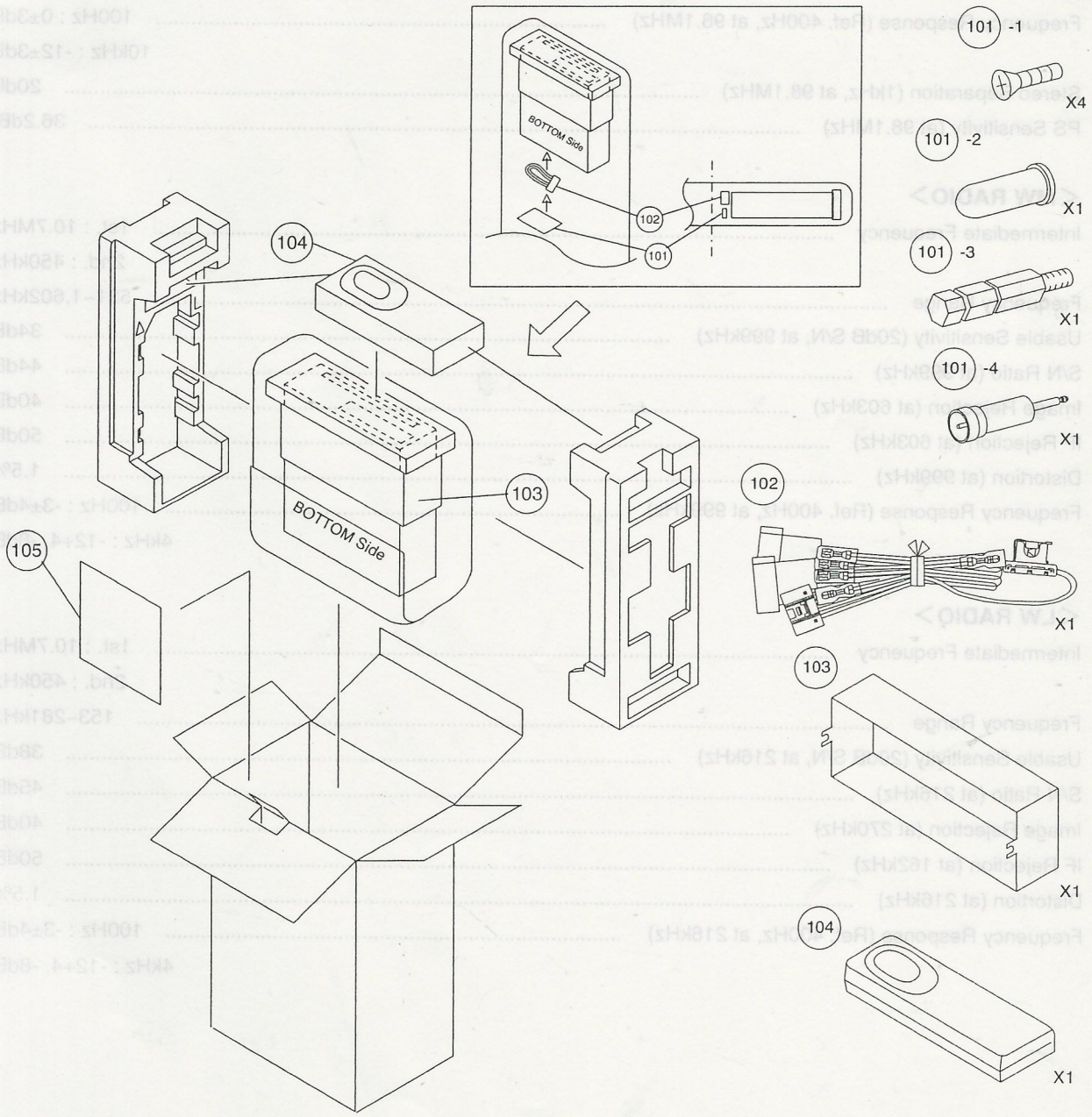
NOTE : Due to continuing product improvement, specifications and designs are subject to change without notice.

Packing Assembly Parts List

Symbol No.	Part No.	Description
101-1	03S72235F13	SCR,MCH M5X8 FLAT
101-2	36A11113W01	CAP,RUBBER(A)
101-3	03A11112W01	BOLT,HEX.M5(A)
101-4	01T15394Y02	ANT,JASO-ISO
102	01T15359Y03	ASSY,ISO CONN 7837R0

Symbol No.	Part No.	Description
103	15D00529K01	CASE,INNER
104	15D01798K01	CARRYING,CASE
105	68P01434K36	O/M AOEU AODN

Packing Method View



Specifications

<FM RADIO>

Intermediate Frequency	10.7±0.1MHz
Frequency Range	87.5~108MHz
Usable Sensitivity (Mono, 30dB S/N, at 98.1MHz)	20.2dBf
-3dB Limiting Sensitivity (at 98.1MHz)	20.2dBf
Residual Noise (Ref. 400Hz (WID), at 98.1MHz)	25±10dB
S/N Ratio (at 98.1MHz)	Stereo : 50dB Mono : 55dB
Image Rejection (at 106.1MHz)	40dB
IF Rejection (at 90.1MHz)	60dB
Distortion (Input 60dBμ, at 98.1MHz)	1%
Frequency Response (Ref. 400Hz, at 98.1MHz)	100Hz : 0±3dB 10kHz : -12±3dB
Stereo Separation (1kHz, at 98.1MHz)	20dB
PS Sensitivity (at 98.1MHz)	36.2dBf

<MW RADIO>

Intermediate Frequency	1st. : 10.7MHz 2nd. : 450kHz
Frequency Range	531~1,602kHz
Usable Sensitivity (20dB S/N, at 999kHz)	34dB
S/N Ratio (at 999kHz)	44dB
Image Rejection (at 603kHz)	40dB
IF Rejection (at 603kHz)	50dB
Distortion (at 999kHz)	1.5%
Frequency Response (Ref. 400Hz, at 999kHz)	100Hz : -3±4dB 4kHz : -12+4, -8dB

<LW RADIO>

Intermediate Frequency	1st. : 10.7MHz 2nd. : 450kHz
Frequency Range	153~281kHz
Usable Sensitivity (20dB S/N, at 216kHz)	38dB
S/N Ratio (at 216kHz)	45dB
Image Rejection (at 270kHz)	40dB
IF Rejection (at 162kHz)	50dB
Distortion (at 216kHz)	1.5%
Frequency Response (Ref. 400Hz, at 216kHz)	100Hz : -3±4dB 4kHz : -12+4, -8dB

＜CD SECTION＞

System	Optical (Compact Disc System)
Quantizing Bit Number	16bit Linear system
Channels	2 Channels
Channel Balance (1kHz)	0±3dB
Distortion (1kHz)	0.1%
Frequency Response (Ref. 1kHz)	17Hz : 0±3dB
	127Hz : 0±2dB
	10.007kHz : 0±2dB
	19.997kHz : 0±4dB
S/N Ratio	95dB
Separation (1kHz)	55dB
De-Emphasis (Ref. 1kHz)	4kHz : -20±3dB
	16kHz : -20±3dB

＜GENERAL＞

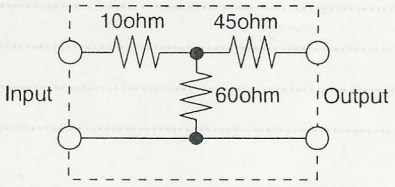
Power Supply	DC14.4V
Power Output (T.H.D. 10%, TCD-782 (0dB, 1kHz)) /Impedance	16W/ch/4ohm
Pre Output (T.H.D. 1%, TCD-782 (0dB, 1kHz), SUB-W : OFF) /Impedance	2V±2.5dBV/10Kohm
Dimensions (W×H×D)	Chassis : 178×50×158mm
	Nose : 188×58×25mm
Weight	1.5kg

NOTE : Due to Continuing product improvement, specifications and designs are subject to change without notice.

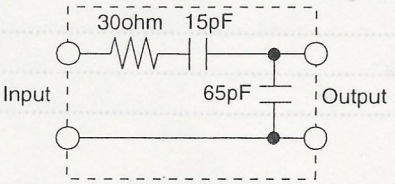
Adjustment Procedures

1. FM/AM SECTION

(1) Dummy Antenna Circuit



For 50 ohm FM Signal Generator Figure 1



For 50 ohm AM Signal Generator Figure 2

(2) Connections

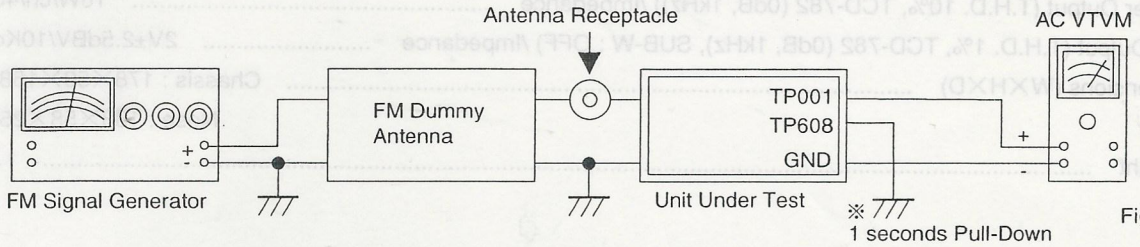


Figure 3

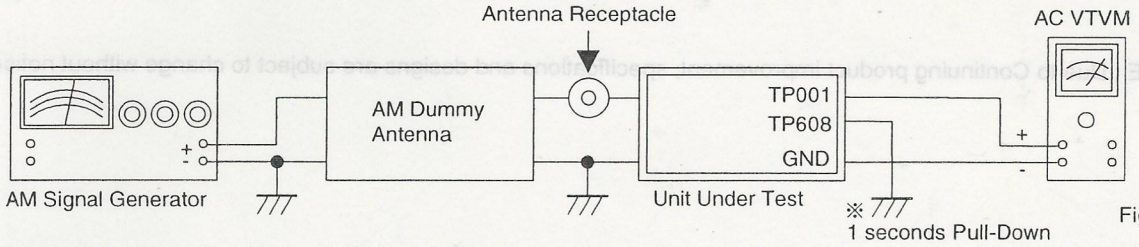


Figure 4

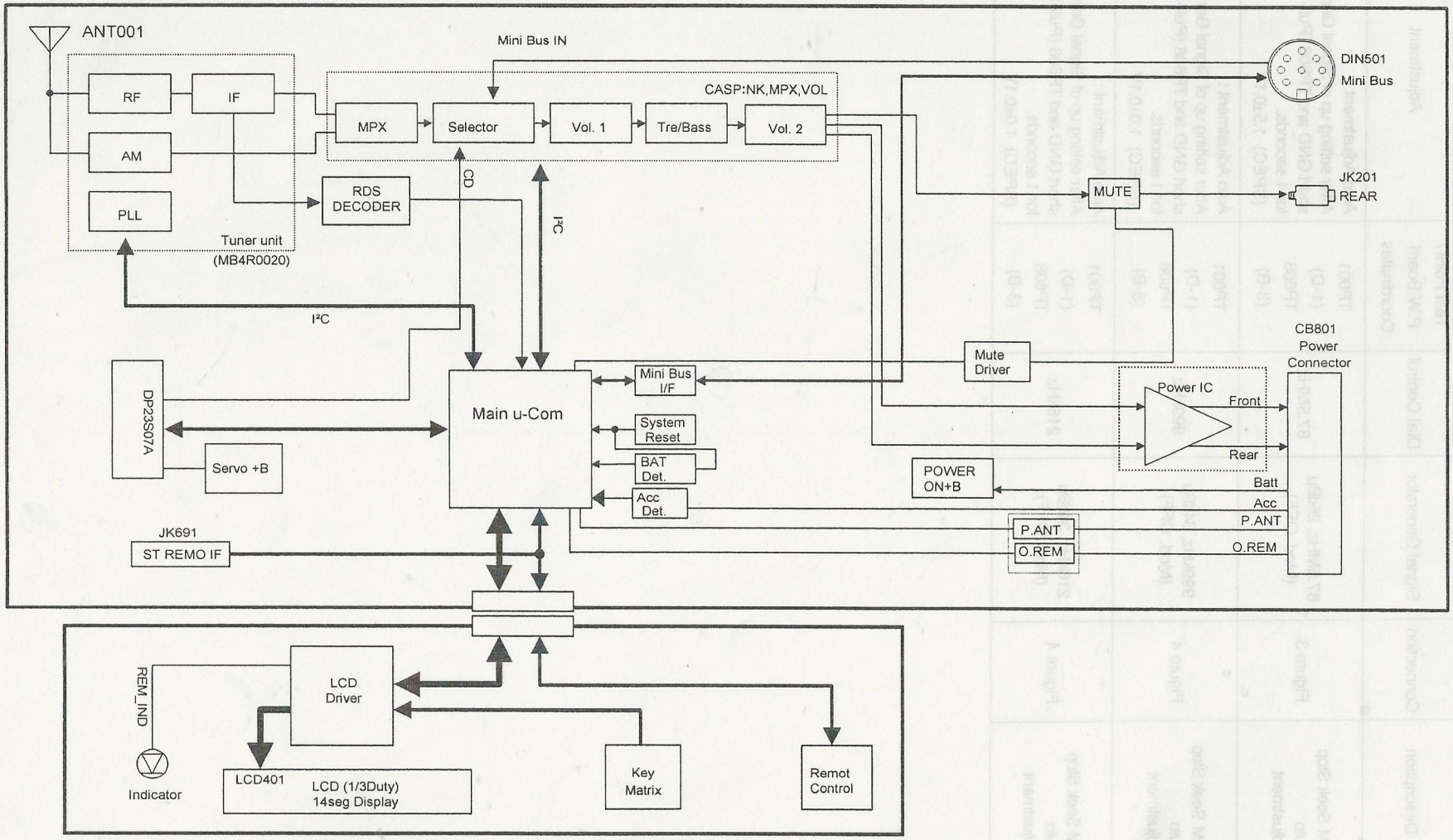
(3) Control Settings

Power Switch	ON	Band Switch	FM/AM (MW/LW)
Fader Control	Center Position	LOUD/SUB-W	OFF
Balance Control	Center Position	Others	OFF

(4) Adjustment Procedures

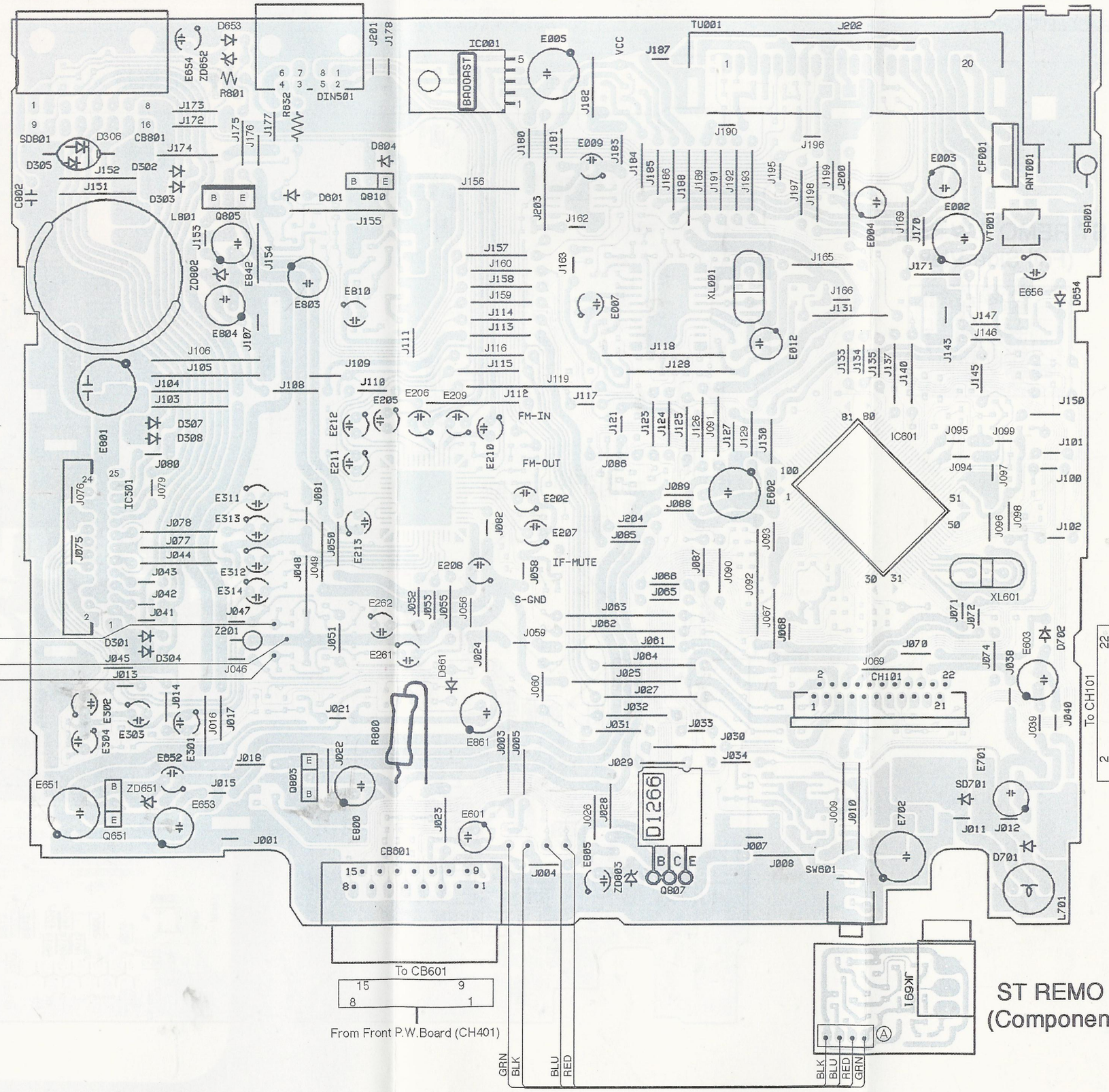
Step	Description	Connection	Signal Generator	Dial Control	Test Point / P.W.Board Coordinates	Adjustment
1	FM Seek Stop Auto Adjustment	Figure 3	87.5MHz, 26dBμ (Mod. OFF)	87.5MHz	TP001 (1-D) TP608 (3-B)	Auto Adjustment : After setting up of Signal Genarator, short GND and TP608 (Pull-Down) for 1 seconds. (SPEC) 1.5±0.1V
2	MM Seek Stop Auto Adjustment	Figure 4	999kHz, 34dBμ (Mod. OFF)	999kHz	TP001 (1-D) TP608 (3-B)	Auto Adjustment : After setting up of Signal Genarator, short GND and TP608 (Pull-Down) for 1 seconds. (SPEC) 1.0±0.1V
3	LM Seek Stop Auto Adjustment	Figure 4	216kHz, 34dBμ (Mod. OFF)	216kHz	TP001 (1-D) TP608 (3-B)	Auto Adjustment : After setting up of Signal Genarator, short GND and TP608 (Pull-Down) for 1 seconds. (SPEC) 1.0±0.1V

Block Diagram

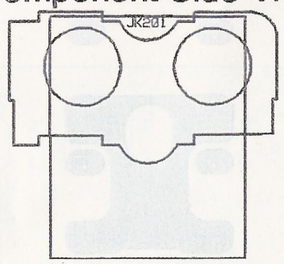


Parts Layout on P.W.Boards and Wiring Diagram (1/4)

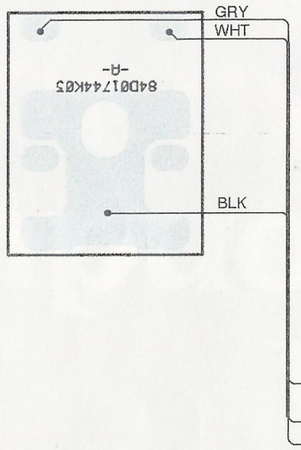
Main P.W.Board (Component Side View)



RCA P.W.Board (Component Side View)



RCA P.W.Board (Foil Side View)



ST REMO P.W.Board (Component Side View)

Gray : Foil Side Pattern

Parts Layout on P.W.Boards and Wiring Diagram (2/4)

1

2

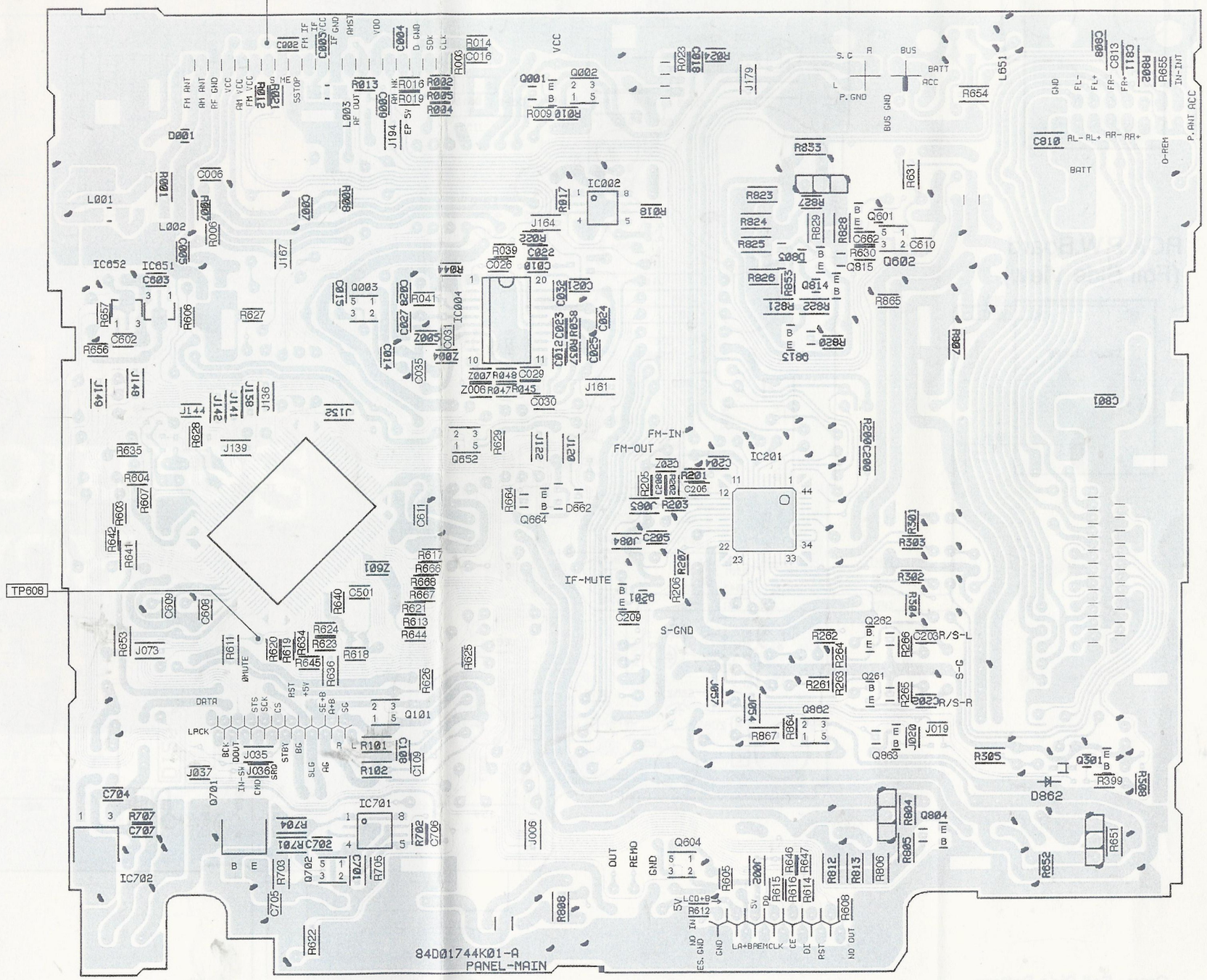
3

4

5

ST REMO P.W.Board (Foil Side View)

Main P.W.Board (Foil Side View)



Gray : Foil Side Pattern

A B C D E F G

Parts Layout on P.W.Boards and Wiring Diagram (3/4)

(CDM-7859RB/CDM-7858RB Model Only)

1

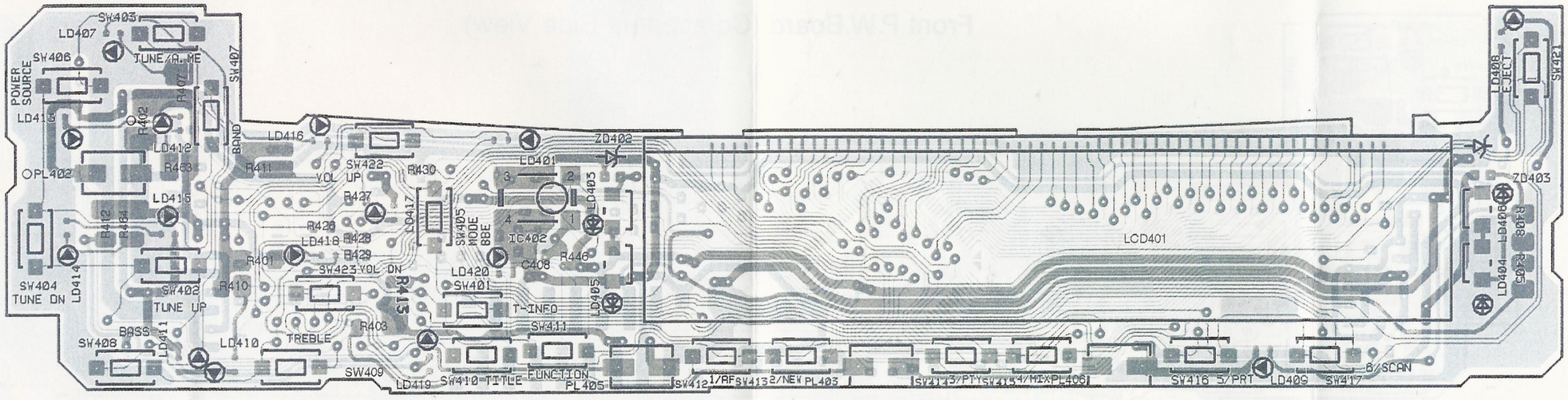
2

3

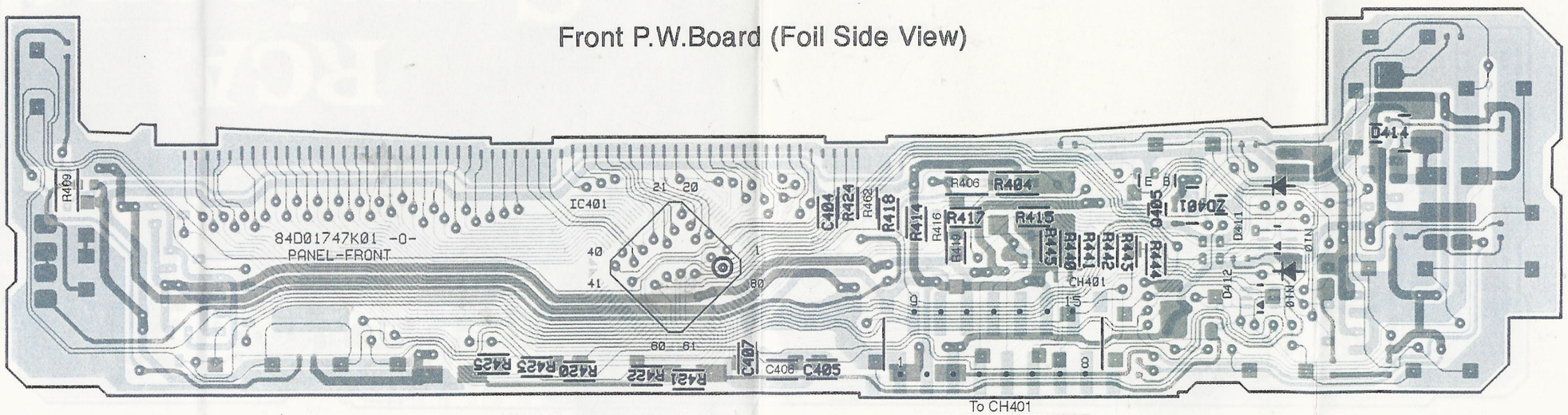
4

5

Front P.W.Board (Component Side View)



Front P.W.Board (Foil Side View)



To CH401

9 15
1 8

To Main P.W.Board (CB601)

NOTE: ○ : For CDM-7859RB Model Only,
Others: Common.

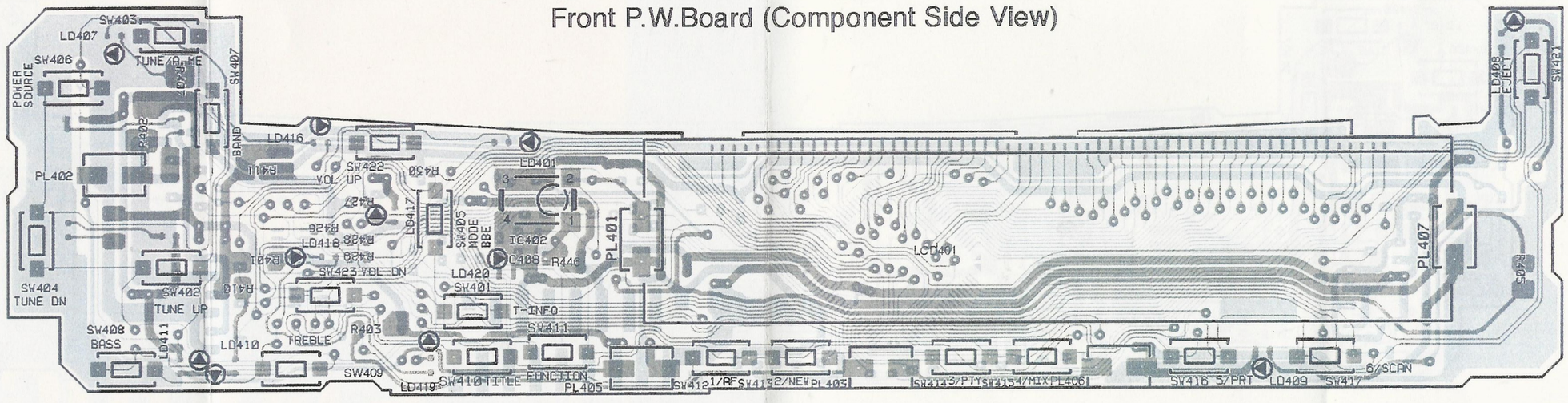
Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

A B C D E F G

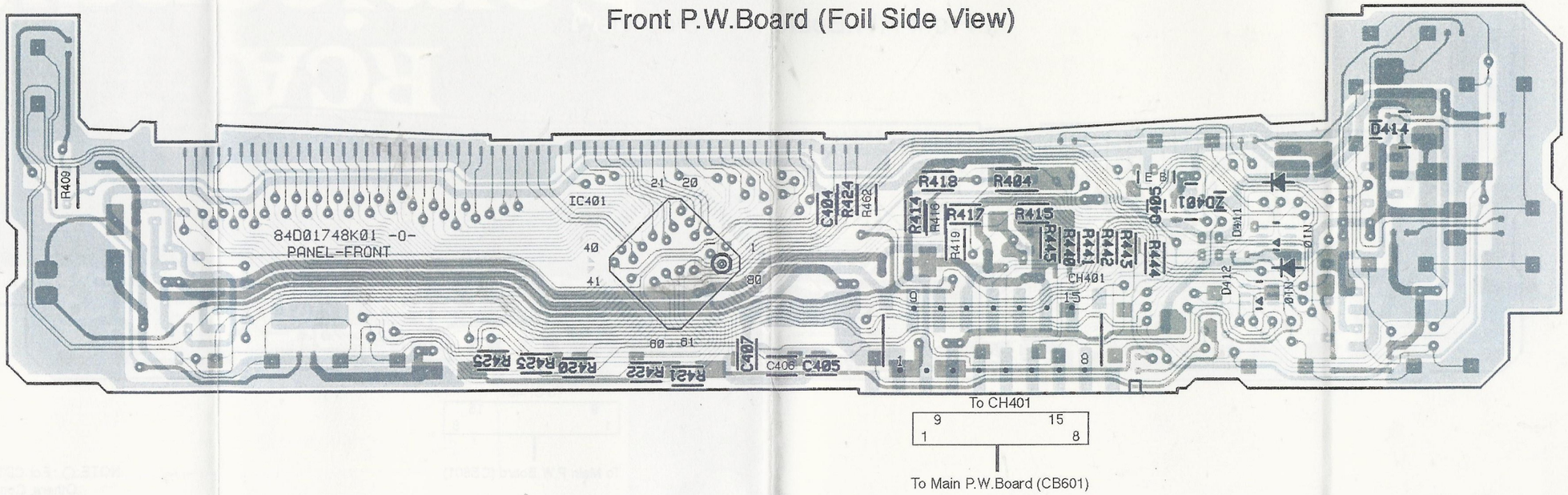
Parts Layout on P.W.Boards and Wiring Diagram (4/4)

(CDM-7856R/CDM-7856RM Model Only)

Front P.W.Board (Component Side View)

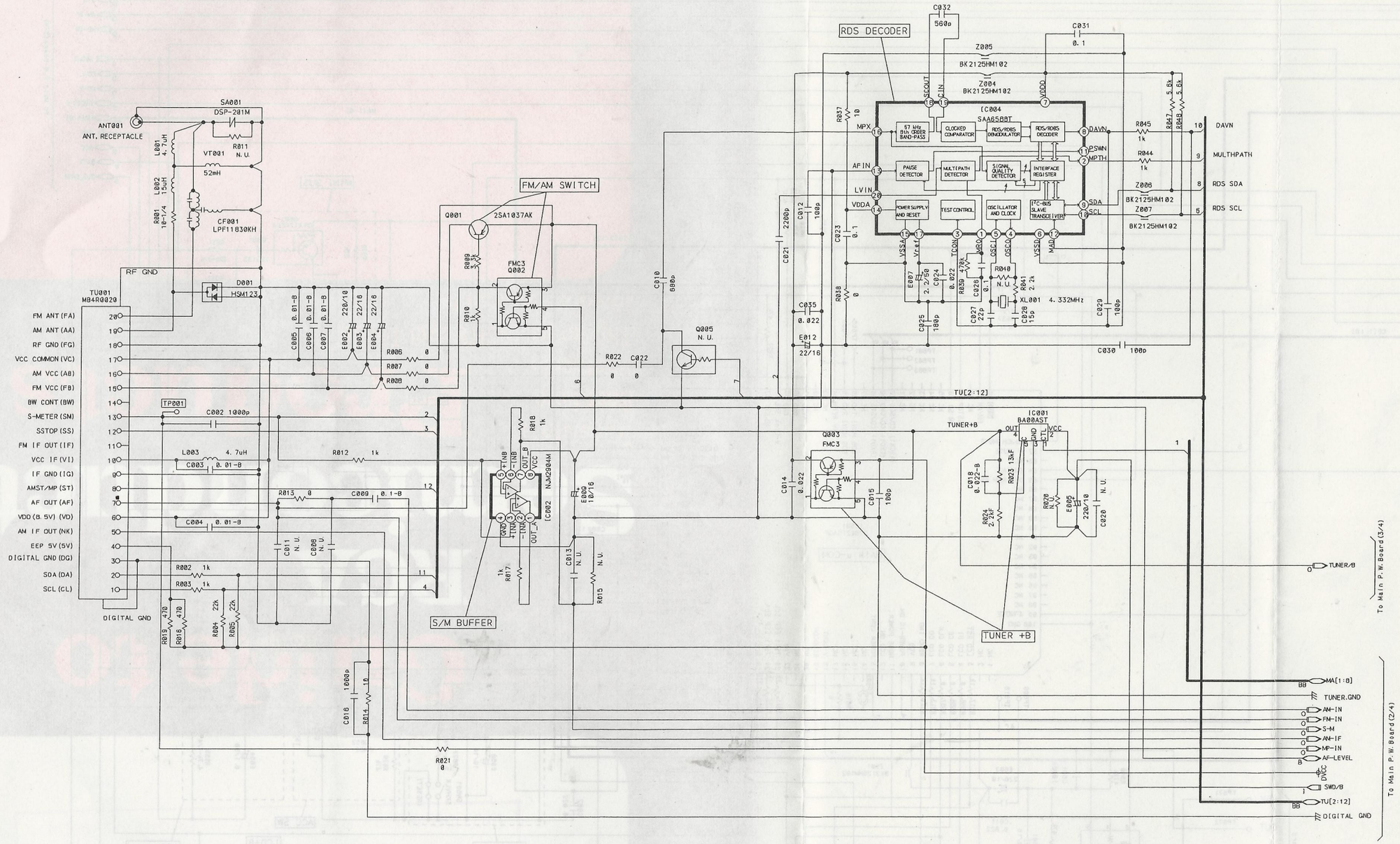


Front P.W.Board (Foil Side View)



Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

Schematic Diagram(1/7)

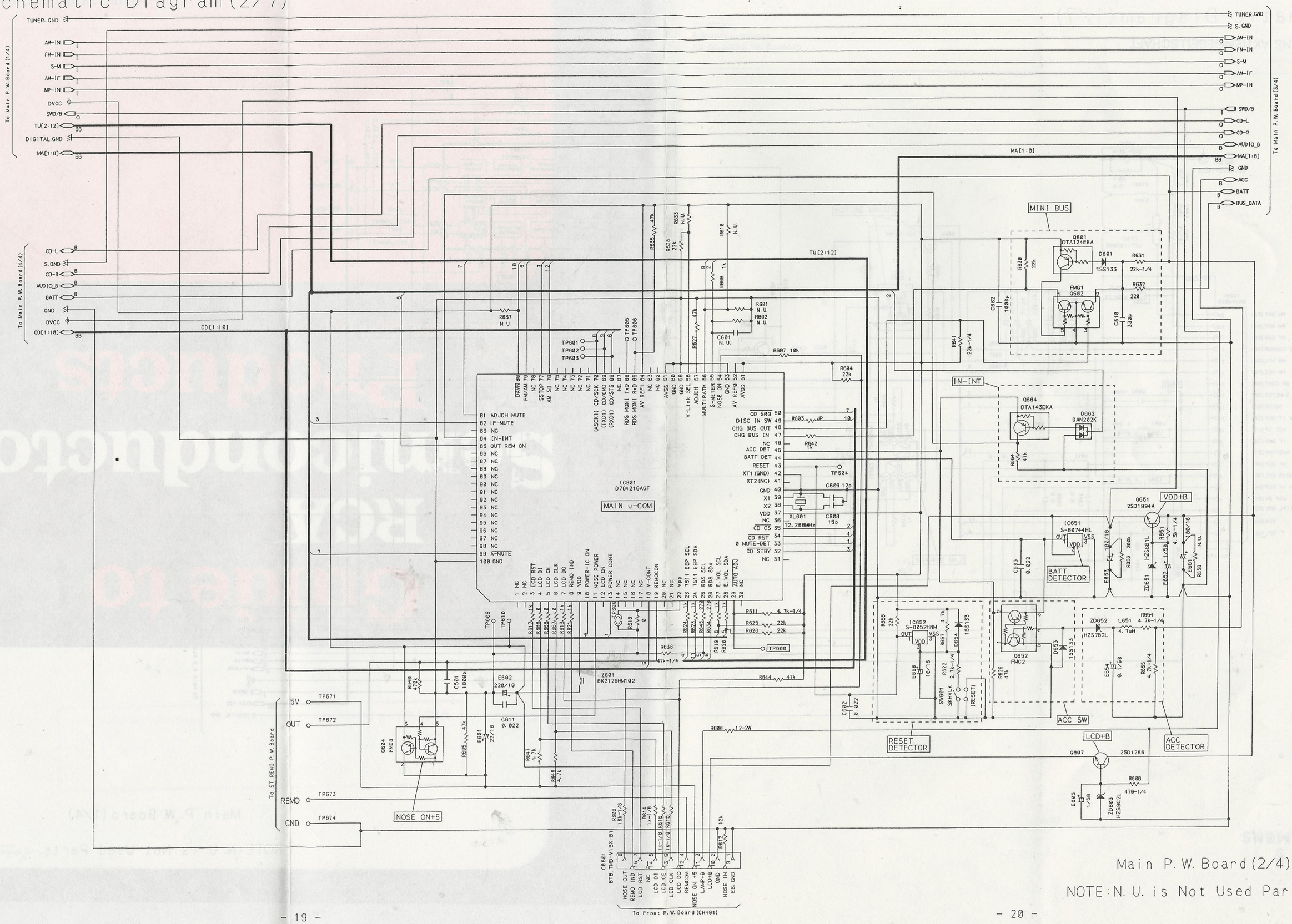


Main P.W.Board(1/4)

NOTE:N.U. is Not Used Parts.

CDM-7859RB/CDM-7858RB/
CDM-7856R/CDM-7856RM

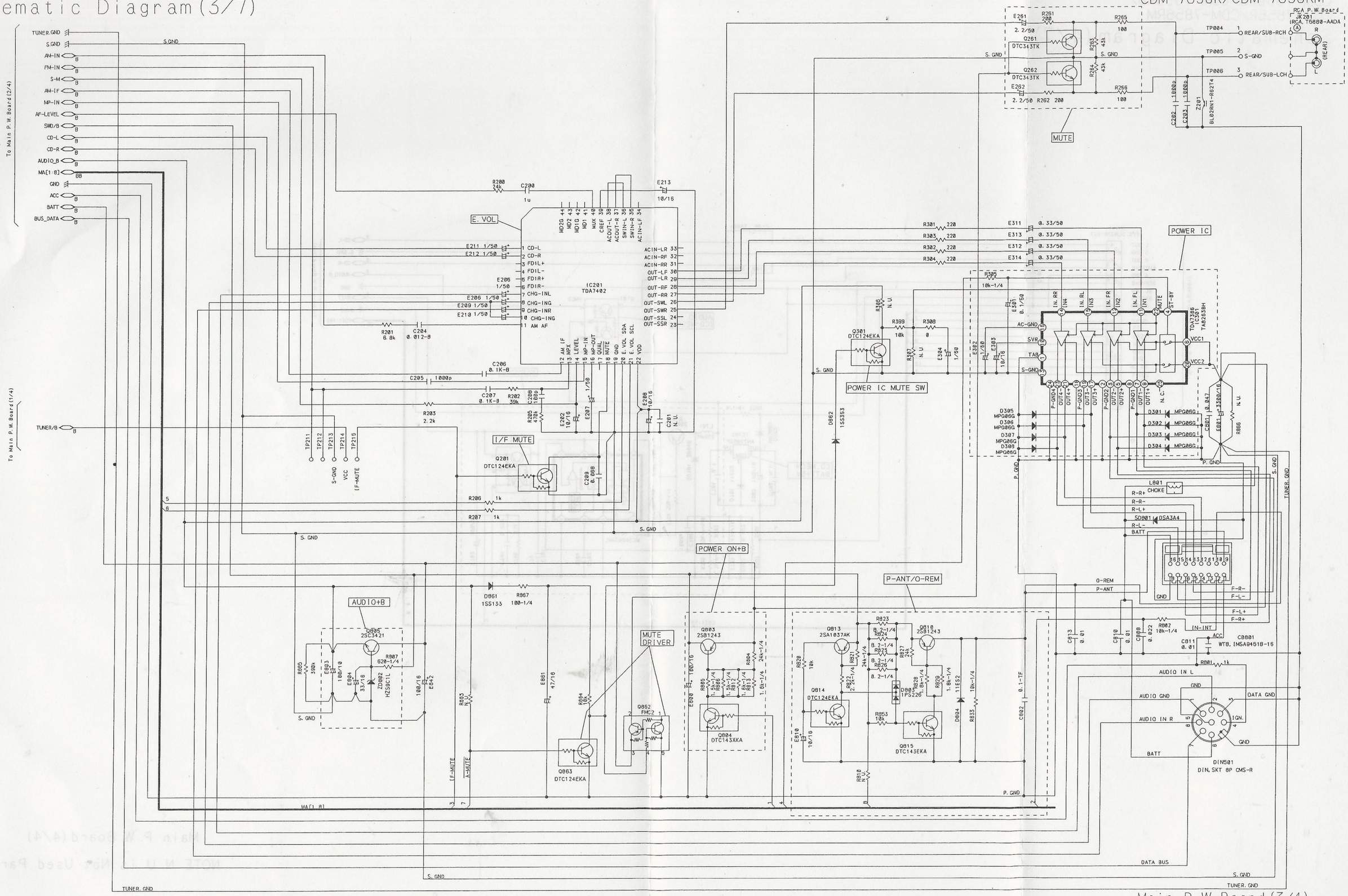
Schematic Diagram (2/7)



Main P.W.Board(2/4)

NOTE: N.U. is Not Used Parts.

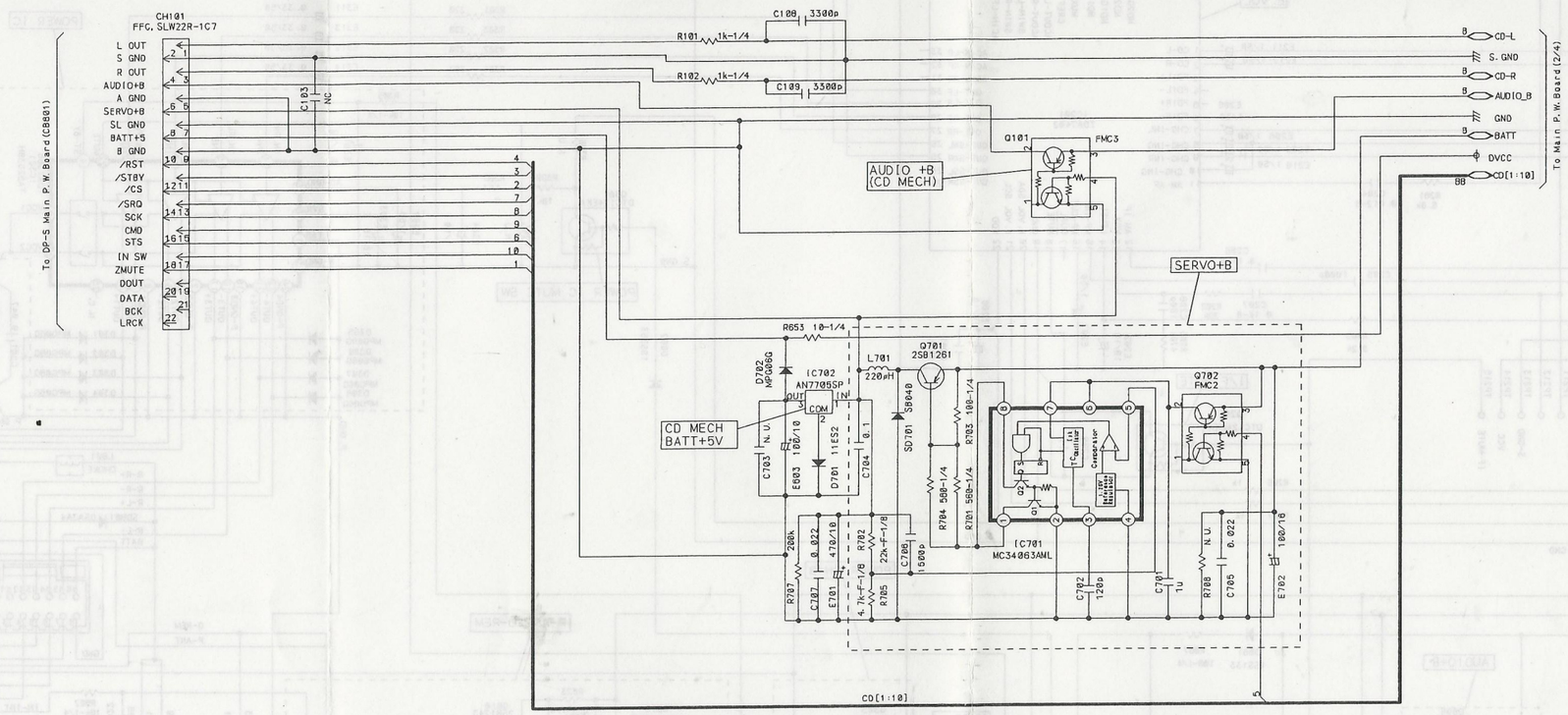
Schematic Diagram(3/7)



Main P.W.Board(3/4)
NOTE:N.U. is Not Used Parts.

CDM-7859RB/CDM-7858RB/
CDM-7856R/CDM-7856RM

Schematic Diagram(4/7)

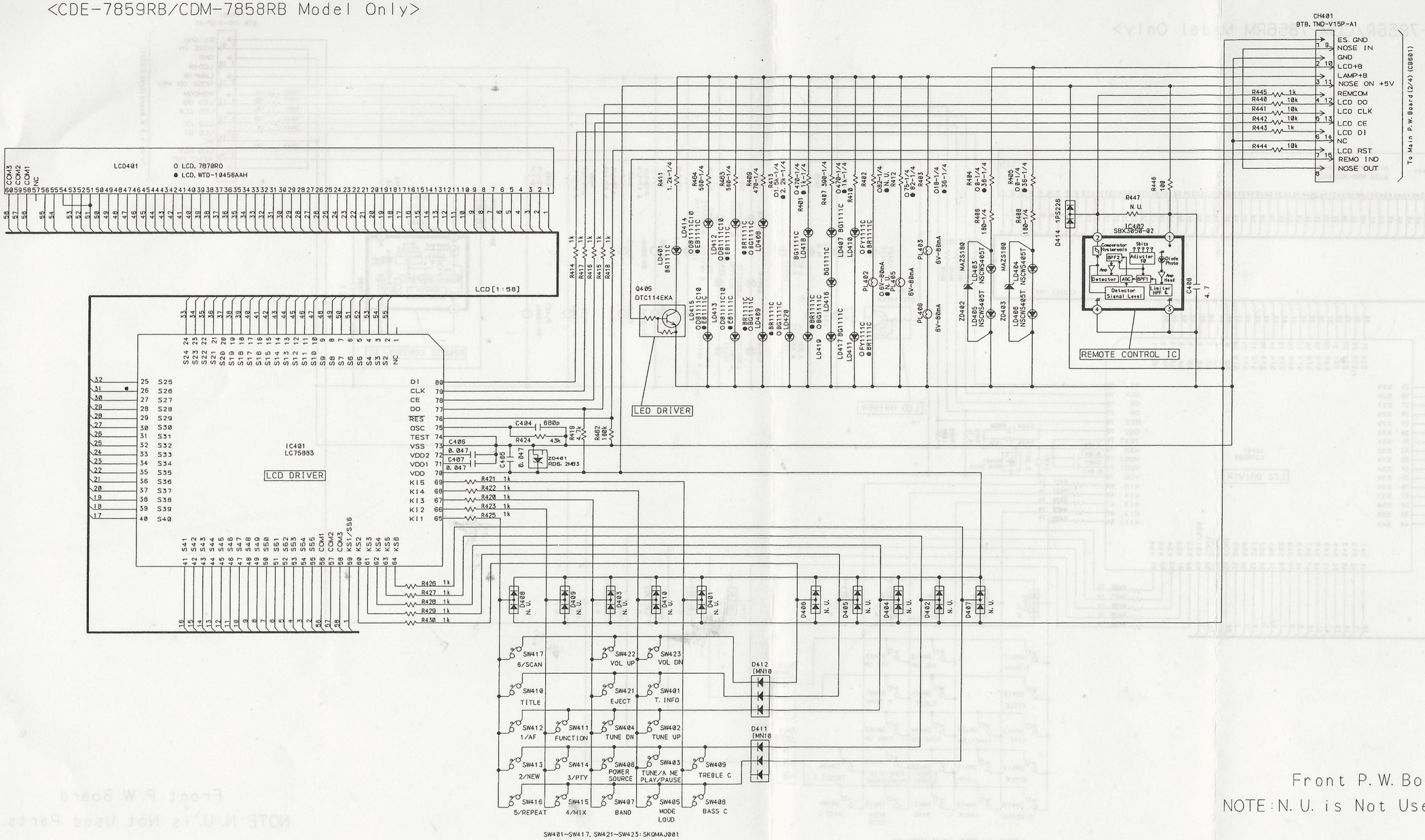


Main P.W.Board(4/4)

NOTE:N.U. is Not Used Parts.

Schematic Diagram(5/7)

<CDE-7859RB/CDM-7858RB Model Only>



Front P.W.Board

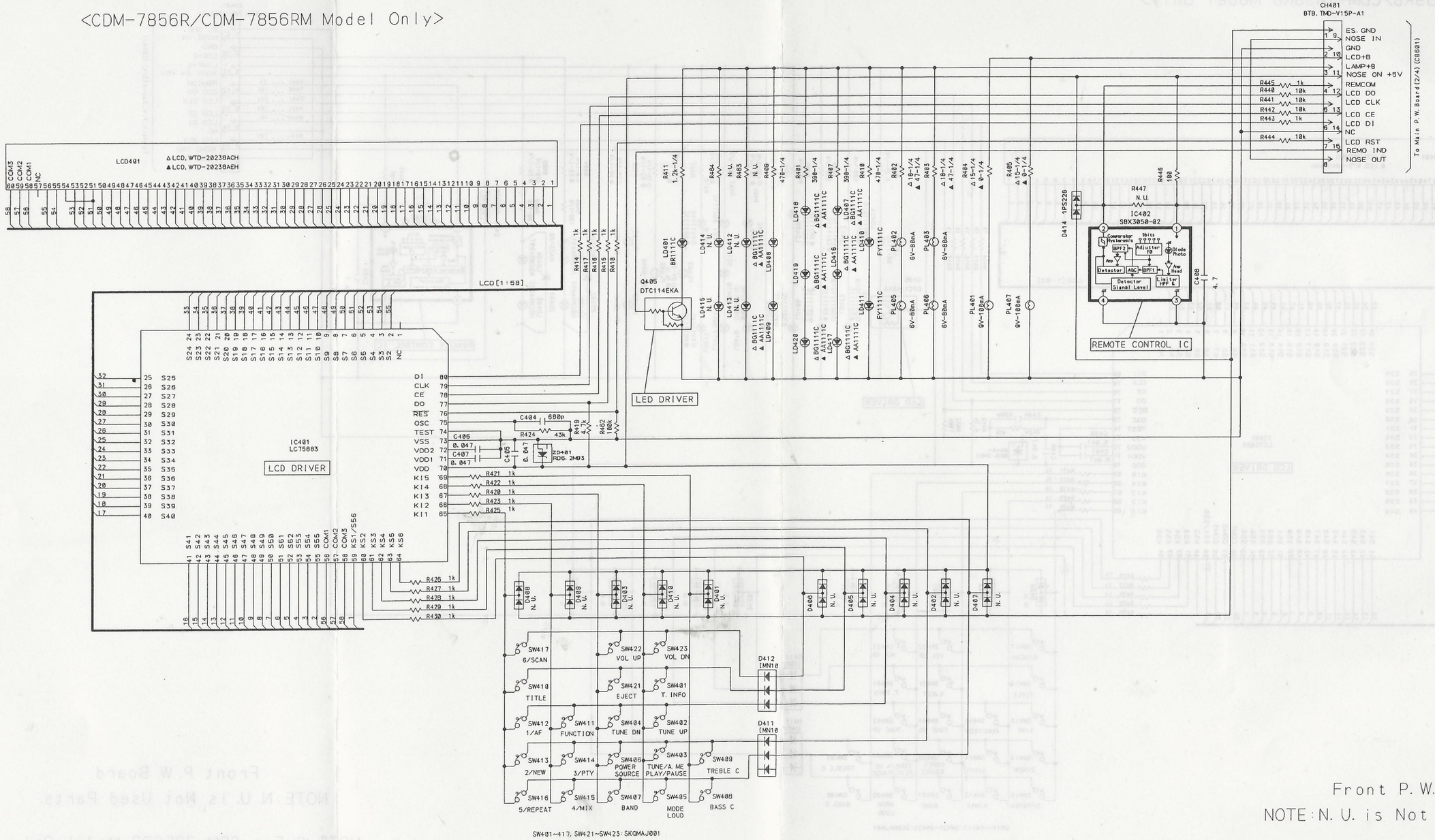
NOTE: N.U. is Not Used Parts.

NOTE: O: For CDM-7859RB Model Only,
●: For CDM-7858RB Model Only,
Others: Common.

CDM-7859RB/CDM-7858RB/
CDM-7856R/CDM-7856RM

Schematic Diagram(6/7)

<CDM-7856R/CDM-7856RM Model Only>

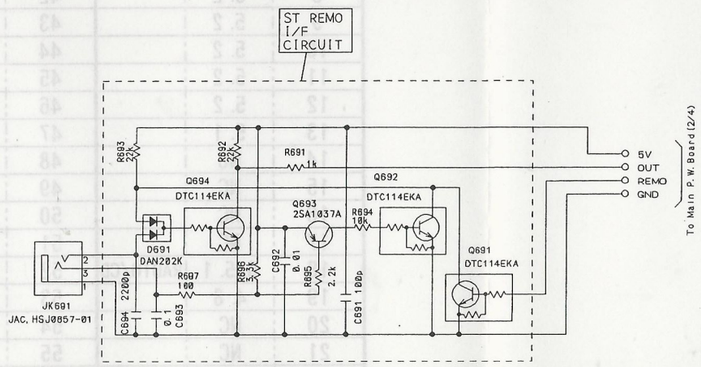


Front P.W.Board

NOTE: N.U. is Not Used Parts.

NOTE: △: For CDM-7856R Model Only,
▲: For CDM-7856RM Model Only,
Others: Common.

Schematic Diagram(7/7)



ST REMO P. W. Board

Terminal Voltage of IC/TR

IC001	
1	5.1
2	14.3
3	0
4	8.2
5	1.2

IC002	
1	4.1
2	4.1
3	4.1
4	0
5	4.1
6	4.1
7	4.1
8	8.2

IC004			
1	0.1	11	NC
2	0	12	0
3	7.5	13	2.5
4	2.6	14	5
5	2.2	15	0
6	0	16	2.5
7	5.1	17	2.5
8	5.1	18	2.5
9	5.1	19	2.5
10	4.5	20	2.5

IC201							
1	4.3	12	4.3	23	NC	34	NC
2	4.3	13	4.3	24	NC	35	4.3
3	NC	14	4.1	25	4.3	36	4.3
4	NC	15	0	26	4.3	37	4.3
5	NC	16	4	27	4.3	38	4.3
6	NC	17	NC	28	4.3	39	4.3
7	4.3	18	3.6	29	4.3	40	4.3
8	4.3	19	0	30	4.3	41	NC
9	4.3	20	0.2	31	NC	42	NC
10	4.3	21	0.2	32	NC	43	NC
11	4.3	22	8.7	33	NC	44	NC

IC301									
1	0	6	14.3	11	1.4	16	1.3	21	7.5
2	0	7	7.5	12	1.4	17	7.5	22	4
3	7.5	8	0	13	0	18	0	23	7.4
4	5.2	9	7.5	14	1.4	19	7.4	24	0
5	7.5	10	8.7	15	1.4	20	14.3	25	NC

IC401									
1	NC	17	2.5	33	2.5	49	2.5	65	0
2	2.5	18	2.5	34	2.5	50	2.5	66	0
3	2.5	19	2.5	35	2.5	51	2.5	67	0
4	2.5	20	2.5	36	2.5	52	2.5	68	0
5	2.5	21	2.5	37	2.5	53	2.5	69	0
6	2.5	22	2.5	38	2.5	54	2.5	70	5
7	2.5	23	2.5	39	2.5	55	2.5	71	3.3
8	2.5	24	2.5	40	2.5	56	2.5	72	1.7
9	2.5	25	2.5	41	2.5	57	2.5	73	0
10	2.5	26	2.5	42	2.5	58	2.5	74	0
11	2.5	27	2.5	43	2.5	59	2.5	75	4
12	2.5	28	2.5	44	2.5	60	5	76	4.5
13	2.5	29	2.5	45	2.5	61	5	77	5
14	2.5	30	2.5	46	2.5	62	5	78	0.6
15	2.5	31	2.5	47	2.5	63	5	79	0.1
16	2.5	32	2.5	48	2.5	64	5	80	1.2

IC402	
1	4.9
2	2
3	0
4	0

IC601								
1	NC		35	0/5	RADIO/CD	69	0	
2	NC		36	NC		70	0/5	RADIO/CD
3	5.2		37	5.2		71	NC	
4	1.3		38	2.9		72	NC	
5	0.7		39	2.5		73	NC	
6	0.2		40	0		74	NC	
7	5.2		41	NC		75	NC	
8	5.2		42	0		76	0	
9	5.2		43	5.2		77	0	
10	5.2		44	5		78	NC	
11	5.2		45	5		79	5.2/0	FM/AM
12	5.2		46	NC		80	5	
13	5.1		47	5.1		81	5.2/0	RADIO/CD
14	NC		48	0		82	0	
15	NC		49	5.1		83	NC	
16	NC		50	0/5	RADIO/CD	84	0	
17	NC		51	5.2		85	5.2	
18	0/5.1	RADIO/CD	52	5.2		86	NC	
19	4.8		53	0		87	NC	
20	NC		54	2.6		88	NC	
21	NC		55	4.4/5	RADIO/CD	89	NC	
22	0		56	0		90	NC	
23	0		57	0		91	NC	
24	0		58	0		92	NC	
25	4.5		59	0		93	NC	
26	5		60	0		94	NC	
27	0		61	0		95	NC	
28	0		62	NC		96	NC	
29	5.2		63	NC		97	NC	
30	NC		64	5.2		98	NC	
31	NC		65	5.2		99	5	
32	0/5.2	RADIO/CD	66	5.2		100	0	
33	0		67	NC				
34	5		68	0/5	RADIO/CD			

IC651	
1	5
2	5.2
3	0

IC652	
1	5.2
2	5.2
3	0

IC701			
1	13.8	5	1.3
2	0	6	14.2
3	0	7	14.2
4	0	8	13.8

IC702		
1	7.2/0	CD/RADIO
2	0.6/0.2	CD/RADIO
3	5.6/0.2	CD/RADIO

	E	C	B	MODE
Q001	8.2	1.5/8.2	8.1/7.5	FM/AM
Q201	0	3.6	0	
Q261	0	0	0	
Q262	0	0	0	
Q301	0	4	0	
Q405	0	4.6	0	
Q601	5.2	0	5.2	
Q651	5.2	14.2	5.9	
Q664	5.2	0	5.2	
Q691	0	0	1.9	
Q692	0	0	0	
Q693	5	0	5	
Q694	0	4.8	0	
Q701	7.2/0	14	14	CD/RADIO
Q803	14.2	14.1	13.5	
Q804	0	0.1	5.2	
Q805	8.6	14.2	9.2	
Q807	14.2	8.6	9.3	
Q810	14.2	14.1	13.4	
Q813	14.2	0	14.1	
Q814	0	14.1	0	
Q815	0	0.1	5	
Q863	5.2	0	0	

	1	2	3	4	5	MODE
Q002	0/8.2	8.1/1.6	8.2	5.2/0	0	FM/AM
Q003	0	5.1	5.2	8.2	0	
Q101	0/8.7	8.6/0	8.6	7.2/0	0	CD/RADIO
Q602	5.2	14.0	0	0	0	
Q604	0	4.8	5.1	5.1	0	
Q652	0	5.0	5.0	5.7	0	
Q702	0/14.3	14.2/0	14.3	5.2/0	0	CD/RADIO
Q862	14.1	0	14.2	0	0	

[Measuring Conditions]

- Power Supply Voltage : DC14.4V
- Measuring Meter : Digital Multi Voltmeter
- Measuring Point Reference : Between GND
- Measuring Condition : FM : 98.1MHz
  AM : 999KHz
  CD : at playing Disc

Description of IC Terminal

D784216AGF : IC601

No.	Symbol	I/O	Terminal Description
1	NC	-	No connect terminal.
2			
3	$\overline{\text{LCD RST}}$	O	RESET signal output terminal to LCD Driver (LC75883).
4	LCD DI	O	Serial data signal output terminal to LCD Driver (LC75883).
5	LCD CE	O	Chip enable signal output terminal to LCD Driver (LC75883).
6	LCD CLK	O	Serial clock signal output terminal to LCD Driver (LC75883).
7	LCD DO	I	Serial data signal input terminal from LCD Driver (LC75883).
8	REMO IND	O	Lighting control terminal for movement indicator. Hi:Lighting
9	VDD	-	Power supply terminal.
10	POWER-IC ON	O	STBY CONT signal output terminal of Power IC.
11	NOSE POWER	O	LCD driver and Remote Control power supply control signal output terminal.
12	LCD ON	O	Power supply control signal output terminal for LCD backlighting.
13	POWER CONT	O	Audio and Key lighting power supply control signal output terminal.
14	NC	-	No connect terminal.
~			
17			
18	V-CONT	O	Servo/Mechanism power supply control signal output terminal.
19	REMOCON	I	Remote Control data input terminal.
20	NC	-	No connect terminal.
21			
22	Vpp		High voltage terminal when a flash memory document gets crowded.
23	7511 EEP SCL	O	Serial clock signal output terminal to 7511/EEP.
24	7511 EEP SDA	I/O	Serial data signal input/output terminal to 7511/EEP.
25	RDS SCL	O	RDS clock output terminal from RDS decoder (SAA6588T).
26	RDS SDA	I/O	RDS data input/output terminal from RDS decoder (SAA6588T).
27	E.VOL SCL	O	Serial clock signal output terminal to Elecrical Volume (TDA7402).
28	E.VOL SDA	I/O	Serial data signal input/output terminal to Elecrical Volume (TDA7402).
29	$\overline{\text{AUTO ADJ}}$	I	Auto adjustment control signal input terminal. Lo:Auto adjustment
30	NC	-	No connect terminal.
31			
32	$\overline{\text{CD STBY}}$	O	Stand-by control signal output terminal of Mechanism Microcomputer.
33	O MUTE-DET	I	O-bit Mute signal input terminal.
34	$\overline{\text{CD RST}}$	O	Reset signal output terminal of Mechanism Microcomputer.
35	$\overline{\text{CD CS}}$	O	Communication control signal output terminal of Mechanism Microcomputer.
36	NC	-	No connect terminal.
37	VDD	-	Power supplu terminal.
38	X2	-	Main system clock OSC terminal. (12.288MHz).
39	X1		
40	GND	-	GND terminal.
41	XT2 (NC)	-	No connect terminal.
42	XT1 (GND)	-	GND connect terminal.
43	$\overline{\text{RSETE}}$	I	System reset signal input terminal.
44	BATT DET	I	Battery detection signal input terminal. Compulsory Stand-by management is done.
45	ACC DET	I	ACC (Ignition) detection signal input terminal.
46	NC	-	No connect terminal.

No.	Symbol	I/O	Terminal Description
47	CHG BUS IN	I	Signal input terminal from CD changer BUS interface.
48	CHG BUS OUT	O	Signal output terminal to CD Changer BUS interface.
49	DISC IN SW	I	DISC loading detection switch input terminal.
50	$\overline{\text{CD SRQ}}$	I	Communication request signal input terminal from Mechanism Microcomputer.
51	AVDD	–	Analog power supply terminal of A/D converter.
52	AVREFO	–	Standard voltage input terminal of A/D converter.
53	GND	–	VSS connect terminal.
54	NOSE ON	I	Front panel detection signal input terminal.
55	S-METER	I	Signal Meter input terminal.
56	MULTIPATH	I	Multi path disturbance detection terminal of receiving station.
57	ADJCH	I	Adjoining channel signal input terminal.
58	V-Link SEL	I	V-Link setting input terminal.
59	GND	–	VSS connect terminal.
60			
61	AVSS	–	GND electric potential terminal of A/D converter.
62	NC	–	No connect terminal.
63			
64	AVREF1	–	Standard voltage input terminal of A/D converter.
65	RDS MONI RxD	I	Serial data input terminal from RDS minotor software.
66	RDS MONI TxD	O	Serial data output terminal to RDS monitor software.
67	NC	–	No connect terminal.
68	CD STS	I	Status signal input terminal from Mechanism Microcomputer.
	(RXD1)	–	(Connection terminal of Flashproll with UART form.)
69	CD CMD	O	Command output terminal to Mechanism Microcomputer.
	(TXD1)	–	(Connection terminal of Flashproll with UART form.)
70	CD SCK	O	Serial clock outnput terminal to Mechanism Microcomputer.
	(ASCK1)	–	(Connection terminal of Flashproll with UART form.)
71	NC	–	No connect terminal.
~			
75			
76	AM SD	I	AM SD signal input terminal.
77	SSTOP	I	FM sekk stop signal input terminal of Tuner.
78	NC	–	No connect terminal.
79	FM/AM	O	FM/AM power supply switching signal output terminal. Hi:FM
80	$\overline{\text{DAVN}}$	I	Available input terminal of RDS decoder (SAA6588T).
81	ADJCH MUTE	O	MPX MUTE signal output terminal to RDS decoder to disturb FM adjoining.
82	IF-MUTE	O	High speed MUTE signal output terminal in AF SW.
83	NC	–	No connect terminal.
84	IN-INT	I	Outside Audio signal input terminal.
85	OUT REM ON	O	Remote ON signal output terminal for outside AMP.
86	NC	–	No connect terminal.
~			
98			
99	$\overline{\text{A-MUTE}}$	O	Audio MUTE signal output terminal. Lo:Mute ON
100	GND	–	GND electrical potential supply terminal.

CDM-7859RB/CDM-7858RB
CDM-7856R/CDM-7856RM
Electrical Parts List

Capacitor : μF=microfarads,pF=picofarads

Abbreviations	
RES.= Resistor	CAP.= Capacitor
C.F.= Carbon Film	ELY.= Electrolytic
M.F.= Metal Film	CER.= Ceramic
M.O.= Metal OxideFilm	MYL.= Mylar
M.P.= Metal Plate	TAN.= Tantalum
TR. = Transistor	POLY.= Polystyrol
TRANS.= Transformer	PP. = Polypropylene
CP. = Chip	PLT.= Polyethylene
	PF. = Polyester Film

Symbol No.	Part No.	Description
Main P.W.Board		
IC's		
IC001	51T25259Y01	BA00AST -IS
IC002	51T93333F01	NJM2904M-TE3 -SE2
IC004	51T15132Y02	SAA6588T -SE9
IC201	51T35457Y01	TDA7402 -QT
IC301	51T45409Y01	TA8263BH -ZS
IC601	51T45247Y01	IC,D784216AGF -QT
IC651	51T95563W01	S-80744HL-T1 -NE2
IC652	51T95014F13	S-8052HNM-CR-T1 -SE2
IC701	51T15510W01	IC ,MC34063AML -SPD
IC702	51T25045Y03	AN7705SP-TX -NE5
Transistors		
Q001	48T63420F01	TR,2SA1037AK-146 -CP
Q002	48T73888F13	TR ,CP FMC3-99
Q003	48T73888F13	TR ,CP FMC3-99
Q101	48T73888F13	TR ,CP FMC3-99
Q201	48T62967F03	TR,DTC124EKA-T146-CP
Q261	48T62967F33	TR,DTC343TK-T146 -CP
Q262	48T62967F33	TR,DTC343TK-T146 -CP
Q301	48T62967F03	TR,DTC124EKA-T146-CP
Q601	48T62966F03	TR,DTA124EKA-T146-CP
Q602	48T73888F08	TR ,CP.FMG1-99
Q604	48T73888F13	TR ,CP FMC3-99
Q651	48T93828F04	TR,2SD1994A-S-TA -RD
Q652	48T73888F12	TR ,CP.FMC2-99
Q664	48T62966F01	TR,DTA143EKA-T146-CP
Q701	48T15511W02	CP.2SB1261-TE2 -E5
Q702	48T73888F12	TR ,CP.FMC2-99
Q803	48T84366F04	TR,2SB1243-QR-TV2-RD
Q804	48T62967F05	TR,DTC143XKA-T146-CP
Q805	48T69176F02	TR ,2SC3421-Y
Q807	48T56031F01	TR ,2SD1266-P,Q
Q810	48T84366F04	TR,2SB1243-QR-TV2-RD
Q813	48T63420F01	TR,2SA1037AK-146 -CP
Q814	48T62967F03	TR,DTC124EKA-T146-CP
Q815	48T62967F01	TR,DTC143EKA-T146-CP
Q862	48T73888F12	TR ,CP.FMC2-99
Q863	48T62967F03	TR,DTC124EKA-T146-CP
Diodes		
D001	48T15437Y01	DIO,HSM123-TL -CP
D301	48T85270W01	DIO,MPG06G -A5
D302	48T85270W01	DIO,MPG06G -A5
D303	48T85270W01	DIO,MPG06G -A5
D304	48T85270W01	DIO,MPG06G -A5
D305	48T85270W01	DIO,MPG06G -A5
D306	48T85270W01	DIO,MPG06G -A5
D307	48T85270W01	DIO,MPG06G -A5
D308	48T85270W01	DIO,MPG06G -A5
D601	48T68828F11	DIO,1SS133 -RH
D653	48T68828F11	DIO,1SS133 -RH
D654	48T68828F11	DIO,1SS133 -RH
D662	48T63462F01	DIO,CP.DAN202K -96
D701	48T84052F11	DIO,SI 11ES2-TB5 -R5
D702	48T85270W01	DIO,MPG06G -A5
D803	48T85357W01	DIO,1PS226 -CP
D804	48T84052F11	DIO,SI 11ES2-TB5 -R5
D861	48T68828F11	DIO,1SS133 -RH
D862	48T75404W01	DIO,1SS353-TE17 -CP
SD701	48T85269W02	DIO,SHT SB040 -H5
SD801	48T68580F03	DIO,SI DSA3A4-F5
ZD651	48T83128F04	DIO,ZEN.HZS 6B1L -A5
ZD652	48T25766W14	DIO,ZEN.HZS 7B2L -R5
ZD802	48T25766W24	DIO,ZEN.HZS 9C1L -R5
ZD803	48T25766W25	DIO,ZEN.HZS 9C2L -R5
Coils		
L001	24T25164Y21	IND,FSLM2520 4R7J-CP
L002	24T16403W29	COI,IND.15R-M -CP
L003	24T25164Y21	IND,FSLM2520 4R7J-CP
L651	24T16403W23	COI,IND.4R7-M -CP
L701	24T16271W13	COIL,RCR875D-221K
L801	25T00988K01	CHOKE,SA10HA-400H +
VT001	24T35286Y01	IND,MG56 523J -DB
Z201	24T35072W03	FBI,BL02RN1-R62T4-R5

Symbol No.	Part No.	Description
Filters		
CF001	91T75257W02	LPF, LPF11830KH-3C-DB
Z004	91T65112W06	EMI, BK2125HM102 -CP
Z005	91T65112W06	EMI, BK2125HM102 -CP
Z006	91T65112W06	EMI, BK2125HM102 -CP
Z007	91T65112W06	EMI, BK2125HM102 -CP
Z601	91T65112W06	EMI, BK2125HM102 -CP
Crystals		
XL001	91T85169W18	XTL, HC-49 4.332M -R5
XL601	91T85169W99	XTL, HC-49 12.288M-R5
Surge Absorber		
SA001	48T81048F02	PTT, DSP-201M -RD
Capacitors		
C002	08S45677W60	CAP, CER 102J-CH1H-CP
C003	08S45676W73	CAP, CER. 103K-B1H -CP
G004	08S45676W73	CAP, CER. 103K-B1H -CP
C005	08S45676W73	CAP, CER. 103K-B1H -CP
C006	08S45676W73	CAP, CER. 103K-B1H -CP
C007	08S45676W73	CAP, CER. 103K-B1H -CP
C009	08S45676W85	CAP, CER 104K-B1C -CP
C010	08S45677W56	CAP, CER 681J-CH1H-CP
C012	08S45677W36	CAP, CER. 101J-CH1H-CP
C014	08S45676W80	CAP, CER 223K-B1E -CP
C015	08S45677W36	CAP, CER. 101J-CH1H-CP
C016	08S45677W60	CAP, CER 102J-CH1H-CP
C018	08S45676W80	CAP, CER 223K-B1E -CP
C021	08S45676W65	CAP, CER. 222K-B1H -CP
C023	08S45676W85	CAP, CER 104K-B1C -CP
C024	08S45676W80	CAP, CER 223K-B1E -CP
C025	08S45677W42	CAP, CER. 181J-CH1H-CP
C026	08S45676W85	CAP, CER 104K-B1C -CP
C027	08S45677W20	CAP, CER. 22RJ-CH1H-CP
C028	08S45677W16	CAP, CER. 15RJ-CH1H-CP
C029	08S45677W36	CAP, CER. 101J-CH1H-CP
C030	08S45677W36	CAP, CER. 101J-CH1H-CP
C031	08S45676W85	CAP, CER 104K-B1C -CP
C032	08S45677W54	CAP, CER 561J-CH1H-CP
C035	08S45676W80	CAP, CER 223K-B1E -CP
C108	08S45676W67	CAP, CER. 332K-B1H -CP

Symbol No.	Part No.	Description
C109	08S45676W67	CAP, CER. 332K-B1H -CP
C200	08S60102F48	CAP, CER 105K-B1E -CP
C202	08S45677W60	CAP, CER 102J-CH1H-CP
C203	08S45677W60	CAP, CER 102J-CH1H-CP
C204	08S45676W74	CAP, CER 123K-B1H -CP
C205	08S45677W60	CAP, CER 102J-CH1H-CP
C206	08S45676W85	CAP, CER 104K-B1C -CP
C207	08S45676W85	CAP, CER 104K-B1C -CP
C208	08S45677W36	CAP, CER. 101J-CH1H-CP
C209	08S35374W03	CAP, CER 683K-B1E -CP
C501	08S45677W60	CAP, CER 102J-CH1H-CP
C602	08S45676W80	CAP, CER 223K-B1E -CP
C603	08S45676W80	CAP, CER 223K-B1E -CP
C608	08S45677W16	CAP, CER. 15RJ-CH1H-CP
C609	08S45677W14	CAP, CER. 12RJ-CH1H-CP
C610	08S45677W48	CAP, CER. 331J-CH1H-CP
C611	08S45676W80	CAP, CER 223K-B1E -CP
C662	08S45677W60	CAP, CER 102J-CH1H-CP
C701	08S60102F48	CAP, CER 105K-B1E -CP
C702	08S45677W38	CAP, CER 121J-CH1H-CP
C704	08S45676W85	CAP, CER 104K-B1C -CP
C705	08S45676W80	CAP, CER 223K-B1E -CP
C706	08S45676W63	CAP, CER 152K-B1H -CP
C707	08S45676W80	CAP, CER 223K-B1E -CP
C801	08S45676W89	CAP, CER 473K-B1E -CP
C802	08T35122W13	CAP, MMTS-104-J -R5
C808	08S45676W80	CAP, CER 223K-B1E -CP
C810	08T95466W07	CAP, CER 103K-B2J -CP
C811	08T95466W07	CAP, CER 103K-B2J -CP
C813	08T95466W07	CAP, CER 103K-B2J -CP
E002	23S75372W03	CAP, ELY 221-1A -H2
E003	23S75372W05	CAP, ELY 22R-1C -R2
E004	23S75372W05	CAP, ELY 22R-1C -R2
E005	23S75372W03	CAP, ELY 221-1A -H2
E007	23S75372W16	CAP, ELY 2R2-1H -R2
E009	23S75372W04	CAP, ELY 10R-1C -R2
E012	23S75372W05	CAP, ELY 22R-1C -R2
E202	23S75373W02	CAP, ELY 10R-1C -R2
E205	23S75372W15	CAP, ELY 1R0-1H -R2
E206	23S75372W15	CAP, ELY 1R0-1H -R2
E207	23S75372W15	CAP, ELY 1R0-1H -R2
E208	23S75373W02	CAP, ELY 10R-1C -R2
E209	23S75372W15	CAP, ELY 1R0-1H -R2
E210	23S75372W15	CAP, ELY 1R0-1H -R2
E211	23S75372W15	CAP, ELY 1R0-1H -R2
E212	23S75372W15	CAP, ELY 1R0-1H -R2
E213	23S75373W02	CAP, ELY 10R-1C -R2
E261	23S75373W14	CAP, ELY 2R2-1H -R2
E262	23S75373W14	CAP, ELY 2R2-1H -R2

CDM-7859RB/CDM-7858RB
CDM-7856R/CDM-7856RM

Symbol No.	Part No.	Description
E301	23S75373W08	CAP, ELY R10-1H -R2
E302	23T95115W02	CAP, AD 1R0-1H -R2
E303	23S75373W02	CAP, ELY 10R-1C -R2
E304	23S75372W15	CAP, ELY 1R0-1H -R2
E311	23T95115W01	CAP, AD R33-1H -R2
E312	23T95115W01	CAP, AD R33-1H -R2
E313	23T95115W01	CAP, AD R33-1H -R2
E314	23T95115W01	CAP, AD R33-1H -R2
E601	23S75372W05	CAP, ELY 22R-1C -R2
E602	23S75372W03	CAP, ELY 221-1A -H2
E603	23S75372W02	CAP, ELY 101-1A -R2
E651	23S75372W08	CAP, ELY 101-1C -H2
E652	23S75372W15	CAP, ELY 1R0-1H -R2
E653	23S75372W02	CAP, ELY 101-1A -R2
E654	23S75373W08	CAP, ELY R10-1H -R2
E656	23S75372W04	CAP, ELY 10R-1C -R2
E701	23T55378W03	CAP, KMG 471-1A -R2
E702	23S75372W08	CAP, ELY 101-1C -H2
E800	23S75373W06	CAP, ELY 101-1C -R2
E801	23T75346W03	CAP, X-PRO 332-1C +
E803	23S75372W02	CAP, ELY 101-1A -R2
E804	23S75373W04	CAP, ELY 33R-1C -R2
E805	23S75372W15	CAP, ELY 1R0-1H -R2
E810	23S75373W02	CAP, ELY 10R-1C -R2
E842	23S75373W06	CAP, ELY 101-1C -R2
E861	23S75372W07	CAP, ELY 47R-1C -R2

Resistors

Symbol No.	Part No.	Description
C022	06S45675W43	RES, RK JUMPER1/10-CP
J002	06S35095Y08	RES, RK JUMPER 1/4-CP
J006	06S35095Y08	RES, RK JUMPER 1/4-CP
J019	06S45675W43	RES, RK JUMPER1/10-CP
J020	06S45675W43	RES, RK JUMPER1/10-CP
J035	06S35095Y08	RES, RK JUMPER 1/4-CP
J036	06S45675W43	RES, RK JUMPER1/10-CP
J037	06S45675W43	RES, RK JUMPER1/10-CP
J054	06S35095Y08	RES, RK JUMPER 1/4-CP
J057	06S35095Y08	RES, RK JUMPER 1/4-CP
J073	06S35095Y08	RES, RK JUMPER 1/4-CP
J083	06S35095Y08	RES, RK JUMPER 1/4-CP
J084	06S35095Y08	RES, RK JUMPER 1/4-CP
J120	06S35095Y08	RES, RK JUMPER 1/4-CP
J122	06S35095Y08	RES, RK JUMPER 1/4-CP
J132	06S35095Y08	RES, RK JUMPER 1/4-CP
J136	06S35095Y08	RES, RK JUMPER 1/4-CP
J138	06S35095Y08	RES, RK JUMPER 1/4-CP
J139	06S35095Y08	RES, RK JUMPER 1/4-CP
J141	06S35095Y08	RES, RK JUMPER 1/4-CP
J142	06S35095Y08	RES, RK JUMPER 1/4-CP
J144	06S45675W43	RES, RK JUMPER1/10-CP
J148	06S35095Y08	RES, RK JUMPER 1/4-CP
J149	06S35095Y08	RES, RK JUMPER 1/4-CP
J161	06S35095Y08	RES, RK JUMPER 1/4-CP
J164	06S35095Y08	RES, RK JUMPER 1/4-CP
J167	06S35095Y08	RES, RK JUMPER 1/4-CP
J179	06S35095Y08	RES, RK JUMPER 1/4-CP
J194	06S35095Y08	RES, RK JUMPER 1/4-CP
R001	06S70072F05	RES, CP .10R-J-1/4-CP
R002	06S45674W57	RES, RK 102J 1/10 -CP
R003	06S45674W57	RES, RK 102J 1/10 -CP
R004	06S45674W89	RES, RK 223J 1/10 -CP
R005	06S45674W89	RES, RK 223J 1/10 -CP
R006	06S45675W43	RES, RK JUMPER1/10-CP
R007	06S45675W43	RES, RK JUMPER1/10-CP
R008	06S45675W43	RES, RK JUMPER1/10-CP
R009	06S45674W69	RES, RK 332J 1/10 -CP
R010	06S45674W57	RES, RK 102J 1/10 -CP
R012	06S45674W57	RES, RK 102J 1/10 -CP
R013	06S45675W43	RES, RK JUMPER1/10-CP
R014	06S45674W09	RES, RK 10RJ 1/10 -CP
R016	06S45674W49	RES, RK 471J 1/10 -CP
R017	06S45674W57	RES, RK 102J 1/10 -CP
R018	06S45674W57	RES, RK 102J 1/10 -CP
R019	06S45674W49	RES, RK 471J 1/10 -CP
R021	06S45675W43	RES, RK JUMPER1/10-CP
R022	06S45675W43	RES, RK JUMPER1/10-CP
R023	06S15593Y76	RES, RK 133F 1/10 -CP
R024	06S15593Y57	RES, RK 222F 1/10 -CP
R037	06S45674W09	RES, RK 10RJ 1/10 -CP
R038	06S45675W43	RES, RK JUMPER1/10-CP
R039	06S45675W22	RES, RK 474J 1/10 -CP
R041	06S45674W65	RES, RK 222J 1/10 -CP
R044	06S45674W57	RES, RK 102J 1/10 -CP
R045	06S45674W57	RES, RK 102J 1/10 -CP
R047	06S45674W75	RES, RK 562J 1/10 -CP
R048	06S45674W75	RES, RK 562J 1/10 -CP
R101	06S70072F53	RES, CP .102-J-1/4-CP
R102	06S70072F53	RES, CP .102-J-1/4-CP
R200	06S45674W90	RES, RK 243J 1/10 -CP
R201	06S45674W77	RES, RK 682J 1/10 -CP
R202	06S45674W95	RES, RK 393J 1/10 -CP
R203	06S45674W65	RES, RK 222J 1/10 -CP
R205	06S45675W22	RES, RK 474J 1/10 -CP
R206	06S45674W57	RES, RK 102J 1/10 -CP
R207	06S45674W57	RES, RK 102J 1/10 -CP
R261	06S45674W40	RES, RK 201J 1/10 -CP

Symbol No.	Part No.	Description
R262	06S45674W40	RES, RK 201J 1/10 -CP
R263	06S45674W96	RES, RK 433J 1/10 -CP
R264	06S45674W96	RES, RK 433J 1/10 -CP
R265	06S45674W33	RES, RK 101J 1/10 -CP
R266	06S45674W33	RES, RK 101J 1/10 -CP
R301	06S45674W41	RES, RK 221J 1/10 -CP
R302	06S45674W41	RES, RK 221J 1/10 -CP
R303	06S45674W41	RES, RK 221J 1/10 -CP
R304	06S45674W41	RES, RK 221J 1/10 -CP
R305	06S70072F77	RES, CP .103-J-1/4-CP
R308	06S45675W43	RES, RK JUMPER1/10-CP
R399	06S45674W81	RES, RK 103J 1/10 -CP
R603	06S45675W43	RES, RK JUMPER1/10-CP
R604	06S45674W89	RES, RK 223J 1/10 -CP
R605	06S45674W97	RES, RK 473J 1/10 -CP
R606	06S45674W57	RES, RK 102J 1/10 -CP
R607	06S45674W81	RES, RK 103J 1/10 -CP
R608	06S64995F77	RES, RK 103J 1/8 -CP
R611	06S70072F69	RES, CP .472-J-1/4-CP
R612	06S45674W83	RES, RK 123J 1/10 -CP
R613	06S45674W57	RES, RK 102J 1/10 -CP
R614	06S64995F53	RES, RK 102J 1/8 -CP
R615	06S64995F53	RES, RK 102J 1/8 -CP
R616	06S64995F53	RES, RK 102J 1/8 -CP
R617	06S45674W57	RES, RK 102J 1/10 -CP
R618	06S45675W43	RES, RK JUMPER1/10-CP
R619	06S45674W57	RES, RK 102J 1/10 -CP
R620	06S45674W57	RES, RK 102J 1/10 -CP
R621	06S45674W57	RES, RK 102J 1/10 -CP
R622	06S70072F63	RES, CP .272-J-1/4-CP
R623	06S45674W57	RES, RK 102J 1/10 -CP
R624	06S45674W57	RES, RK 102J 1/10 -CP
R625	06S45674W89	RES, RK 223J 1/10 -CP
R626	06S45674W89	RES, RK 223J 1/10 -CP
R627	06S45674W97	RES, RK 473J 1/10 -CP
R628	06S45674W89	RES, RK 223J 1/10 -CP
R629	06S45674W97	RES, RK 473J 1/10 -CP
R630	06S45674W89	RES, RK 223J 1/10 -CP
R631	06T75433W81	RES, RK 223J 1/4 -CP
R632	06T00187L49	RES, PSC. 221-J-1/6-A5
R634	06S45674W43	RES, RK 271J 1/10 -CP
R635	06S45674W97	RES, RK 473J 1/10 -CP
R636	06T75433W89	RES, RK 473J 1/4 -CP
R640	06S45675W22	RES, RK 474J 1/10 -CP
R641	06T75433W81	RES, RK 223J 1/4 -CP
R642	06S45674W57	RES, RK 102J 1/10 -CP
R644	06S45674W97	RES, RK 473J 1/10 -CP
R645	06S45674W43	RES, RK 271J 1/10 -CP
R646	06S45674W73	RES, RK 472J 1/10 -CP

Symbol No.	Part No.	Description
R647	06S45674W73	RES, RK 472J 1/10 -CP
R651	06T75433W64	RES, RK 432J 1/4 -CP
R652	06S45675W13	RES, RK 204J 1/10 -CP
R653	06S70072F05	RES, CP .10R-J-1/4-CP
R654	06S70072F69	RES, CP .472-J-1/4-CP
R655	06S70072F69	RES, CP .472-J-1/4-CP
R656	06S45674W89	RES, RK 223J 1/10 -CP
R657	06S45674W73	RES, RK 472J 1/10 -CP
R664	06S45674W97	RES, RK 473J 1/10 -CP
R666	06S45675W43	RES, RK JUMPER1/10-CP
R667	06S45675W43	RES, RK JUMPER1/10-CP
R668	06S45675W43	RES, RK JUMPER1/10-CP
R701	06S70072F47	RES, CP .561-J-1/4-CP
R702	06S35084Y41	RES, RK 223F 1/8 -CP
R703	06S70072F29	RES, CP .101-J-1/4-CP
R704	06S70072F47	RES, CP .561-J-1/4-CP
R705	06S35084Y33	RES, RK 472F 1/8 -CP
R707	06S45675W13	RES, RK 204J 1/10 -CP
R800	06T85397W06	RES, RS 12RJ 2W +
R801	06T00187L65	RES, PSC. 102-J-1/6-A5
R802	06S70072F77	RES, CP .103-J-1/4-CP
R804	06T75433W82	RES, RK 243J 1/4 -CP
R805	06S70072F57	RES, CP .152-J-1/4-CP
R806	06S70072F57	RES, CP .152-J-1/4-CP
R807	06S70072F48	RES, CP .621-J-1/4-CP
R808	06S70072F45	RES, CP .471-J-1/4-CP
R812	06T75433W54	RES, RK 162J 1/4 -CP
R813	06T75433W54	RES, RK 162J 1/4 -CP
R820	06S45674W81	RES, RK 103J 1/10 -CP
R821	06T75433W82	RES, RK 243J 1/4 -CP
R822	06S70072F61	RES, CP .222-J-1/4-CP
R823	06S70072F04	RES, CP .8R2-J-1/4-CP
R824	06S70072F04	RES, CP .8R2-J-1/4-CP
R825	06S70072F04	RES, CP .8R2-J-1/4-CP
R826	06S70072F04	RES, CP .8R2-J-1/4-CP
R827	06S45674W90	RES, RK 243J 1/10 -CP
R828	06T75433W55	RES, RK 182J 1/4 -CP
R829	06T75433W55	RES, RK 182J 1/4 -CP
R833	06S70072F77	RES, CP .103-J-1/4-CP
R853	06S45674W81	RES, RK 103J 1/10 -CP
R864	06S45674W81	RES, RK 103J 1/10 -CP
R865	06S45675W20	RES, RK 394J 1/10 -CP
R867	06S70072F29	RES, CP .101-J-1/4-CP
Connectors		
CB601	09T15299Y15	BTB, TMD-V15X-B1 -DB
CH101	09T25684Y22	FFC, SLW22R-1C7 -DB

CDM-7859RB/CDM-7858RB
CDM-7856R/CDM-7856RM

Symbol No.	Part No.	Description
Front P.W.Board (○●)		
IC's		
IC401	51T85152W01	LC75883 -QT
IC402	51T35614Y01	SBX3050-02 -NE5
Transistor		
Q405	48T62967F02	TR,DTC114EKA-T146-CP
Diodes		
D411	48T94471F04	DIO,IMN10-T108 -CP
D412	48T94471F04	DIO,IMN10-T108 -CP
D414	48T85357W01	DIO,1PS226 -CP
ZD401	48T62934F26	DIO,ZEN.RD6.2MB3 -CP
ZD402	48T15541Y23	DIO,ZEN MAZS180 -CP
ZD403	48T15541Y23	DIO,ZEN MAZS180 -CP
Switches		
SW401	40T55656W06	SW,TACT SKQMAJ001-E2(T.INFO)
SW402	40T55656W06	SW,TACT SKQMAJ001-E2(TUNE UP)
SW403	40T55656W06	SW,TACT SKQMAJ001-E2 (TUNE/A.ME/PLAY/PAUSE)
SW404	40T55656W06	SW,TACT SKQMAJ001-E2(TUNE DN)
SW405	40T55656W06	SW,TACT SKQMAJ001-E2(MODE/LOUD)
SW406	40T55656W06	SW,TACT SKQMAJ001-E2(POWER/SOURCE)
SW407	40T55656W06	SW,TACT SKQMAJ001-E2(BAND)
SW408	40T55656W06	SW,TACT SKQMAJ001-E2(BASS C)
SW409	40T55656W06	SW,TACT SKQMAJ001-E2(TREBLE C)
SW410	40T55656W06	SW,TACT SKQMAJ001-E2(TITLE)
SW411	40T55656W06	SW,TACT SKQMAJ001-E2(F/SETUP)
SW412	40T55656W06	SW,TACT SKQMAJ001-E2(1/AF)
SW413	40T55656W06	SW,TACT SKQMAJ001-E2(2/NEWS)
SW414	40T55656W06	SW,TACT SKQMAJ001-E2(3/PTY)
SW415	40T55656W06	SW,TACT SKQMAJ001-E2(4/M.I.X.)
SW416	40T55656W06	SW,TACT SKQMAJ001-E2(5/REPEAT)
SW417	40T55656W06	SW,TACT SKQMAJ001-E2(6/SCAN)
SW421	40T55656W06	SW,TACT SKQMAJ001-E2(EJECT)
SW422	40T55656W06	SW,TACT SKQMAJ001-E2(VOL UP)
SW423	40T55656W06	SW,TACT SKQMAJ001-E2(VOL DN)

Symbol No.	Part No.	Description
LED's		
	LD401	48T25534Y02 LED,RED BR1111C -CP
	LD403	48T45280Y01 LED,WHT NSCWS405T-E2
	LD404	48T45280Y01 LED,WHT NSCWS405T-E2
	LD405	48T45280Y01 LED,WHT NSCWS405T-E2
	LD406	48T45280Y01 LED,WHT NSCWS405T-E2
	LD407	48T25534Y01 LED,GRN BG1111C -CP
○	LD408	48T25534Y01 LED,GRN BG1111C -CP
●	LD408	48T25534Y02 LED,RED BR1111C -CP
○	LD409	48T25534Y01 LED,GRN BG1111C -CP
●	LD409	48T25534Y02 LED,RED BR1111C -CP
○	LD410	48T25534Y10 LED,YEL FY1111C -CP
●	LD410	48T25534Y02 LED,RED BR1111C -CP
○	LD411	48T25534Y10 LED,YEL FY1111C -CP
●	LD411	48T25534Y02 LED,RED BR1111C -CP
○	LD412	48T25534Y09 LED,BLU DB1111C10-CP
●	LD412	48T25534Y11 LED,BLU EB1111C -CP
○	LD413	48T25534Y09 LED,BLU DB1111C10-CP
●	LD413	48T25534Y11 LED,BLU EB1111C -CP
○	LD414	48T25534Y09 LED,BLU DB1111C10-CP
●	LD414	48T25534Y11 LED,BLU EB1111C -CP
○	LD415	48T25534Y09 LED,BLU DB1111C10-CP
●	LD415	48T25534Y11 LED,BLU EB1111C -CP
	LD416	48T25534Y01 LED,GRN BG1111C -CP
	LD417	48T25534Y01 LED,GRN BG1111C -CP
	LD418	48T25534Y01 LED,GRN BG1111C -CP
○	LD419	48T25534Y01 LED,GRN BG1111C -CP
●	LD419	48T25534Y02 LED,RED BR1111C -CP
○	LD420	48T25534Y01 LED,GRN BG1111C -CP
●	LD420	48T25534Y02 LED,RED BR1111C -CP
Lamps		
○	PL402	65T35324Y06 LAMP,BLU 6-80 -E5
○	PL403	65T35324Y05 LAMP,GRN 6-80 -E5
●	PL403	65T35324Y04 LAMP,RED 6-80 -E5
○	PL405	65T35324Y05 LAMP,GRN 6-80 -E5
●	PL405	65T35324Y04 LAMP,RED 6-80 -E5
○	PL406	65T35324Y05 LAMP,GRN 6-80 -E5
●	PL406	65T35324Y04 LAMP,RED 6-80 -E5
Capacitors		
	C404	08S82122F57 CAP,CER.681J-CH1H-CP
	C405	08T15399W03 CAP,CER.473K-B1H -CP
	C406	08T15399W03 CAP,CER.473K-B1H -CP
	C407	08T15399W03 CAP,CER.473K-B1H -CP

NOTE : ○ : For CDM-7859RB Model Only, ● : For CDM-7858RB Model Only, Others : Common.

	Symbol No.	Part No.	Description
	C408	08T81833F08	CAP,CER 475K-B1A -CP
	Resistors		
○	R401	06S70072F45	RES,CP .471-J-1/4-CP
●	R401	06S70072F53	RES,CP .102-J-1/4-CP
○	R402	06S70072F27	RES,CP .82R-J-1/4-CP
○	R403	06S70072F11	RES,CP .18R-J-1/4-CP
●	R403	06S70072F18	RES,CP .36R-J-1/4-CP
○	R404	06S35095Y08	RES,RK JUMPER 1/4-CP
●	R404	06S70072F18	RES,CP .36R-J-1/4-CP
○	R405	06S35095Y08	RES,RK JUMPER 1/4-CP
●	R405	06S70072F18	RES,CP .36R-J-1/4-CP
	R406	06S70072F35	RES,CP .181-J-1/4-CP
	R407	06S70072F43	RES,CP .391-J-1/4-CP
	R408	06S70072F35	RES,CP .181-J-1/4-CP
	R409	06S70072F45	RES,CP .471-J-1/4-CP
○	R410	06S70072F45	RES,CP .471-J-1/4-CP
●	R410	06S70072F53	RES,CP .102-J-1/4-CP
	R411	06S70072F55	RES,CP .122-J-1/4-CP
○	R412	06S70072F26	RES,CP .75R-J-1/4-CP
●	R412	06S70072F27	RES,CP .82R-J-1/4-CP
○	R413	06S70072F57	RES,CP .152-J-1/4-CP
●	R413	06S70072F61	RES,CP .222-J-1/4-CP
	R414	06S95432W61	RES,RK 102J 1/8 -CP
	R415	06S95432W61	RES,RK 102J 1/8 -CP
	R416	06S95432W61	RES,RK 102J 1/8 -CP
	R417	06S95432W61	RES,RK 102J 1/8 -CP
	R418	06S95432W61	RES,RK 102J 1/8 -CP
	R419	06S95432W77	RES,RK 472J 1/8 -CP
	R420	06S95432W61	RES,RK 102J 1/8 -CP
	R421	06S95432W61	RES,RK 102J 1/8 -CP
	R422	06S95432W61	RES,RK 102J 1/8 -CP
	R423	06S95432W61	RES,RK 102J 1/8 -CP
	R424	06S95433W01	RES,RK 433J 1/8 -CP
	R425	06S95432W61	RES,RK 102J 1/8 -CP
	R426	06S95432W61	RES,RK 102J 1/8 -CP
	R427	06S95432W61	RES,RK 102J 1/8 -CP
	R428	06S95432W61	RES,RK 102J 1/8 -CP
	R429	06S95432W61	RES,RK 102J 1/8 -CP
	R430	06S95432W61	RES,RK 102J 1/8 -CP
	R440	06S95432W85	RES,RK 103J 1/8 -CP
	R441	06S95432W85	RES,RK 103J 1/8 -CP
	R442	06S95432W85	RES,RK 103J 1/8 -CP
	R443	06S95432W61	RES,RK 102J 1/8 -CP
	R444	06S95432W85	RES,RK 103J 1/8 -CP
	R445	06S95432W61	RES,RK 102J 1/8 -CP
	R446	06S45674W33	RES,RK 101J 1/10 -CP

Symbol No.	Part No.	Description
R462	06S95433W10	RES,RK 104J 1/8 -CP
R463	06S70072F47	RES,CP .561-J-1/4-CP
R464	06S70072F47	RES,CP .561-J-1/4-CP
Front P.W.Board (△▲)		
IC's		
IC401	51T85152W01	LC75883 -QT
IC402	51T35614Y01	SBX3050-02 -NE5
Transistor		
Q405	48T62967F02	TR,DTC114EKA-T146-CP
Diodes		
D411	48T94471F04	DIO,IMN10-T108 -CP
D412	48T94471F04	DIO,IMN10-T108 -CP
D414	48T85357W01	DIO,1PS226 -CP
ZD401	48T62934F26	DIO,ZEN.RD6.2MB3 -CP
Switches		
SW401	40T55656W06	SW,TACT SKQMAJ001-E2(T.INFO)
SW402	40T55656W06	SW,TACT SKQMAJ001-E2(TUNE UP)
SW403	40T55656W06	SW,TACT SKQMAJ001-E2 (TUNE/A.ME/PLAY/PAUSE)
SW404	40T55656W06	SW,TACT SKQMAJ001-E2(TUNE DN)
SW405	40T55656W06	SW,TACT SKQMAJ001-E2(MODE/LOUD)
SW406	40T55656W06	SW,TACT SKQMAJ001-E2(POWER/SOURCE)
SW407	40T55656W06	SW,TACT SKQMAJ001-E2(BAND)
SW408	40T55656W06	SW,TACT SKQMAJ001-E2(BASS C)
SW409	40T55656W06	SW,TACT SKQMAJ001-E2(TREBLE C)
SW410	40T55656W06	SW,TACT SKQMAJ001-E2(TITLE)
SW411	40T55656W06	SW,TACT SKQMAJ001-E2(F/SETUP)
SW412	40T55656W06	SW,TACT SKQMAJ001-E2(1/AF)
SW413	40T55656W06	SW,TACT SKQMAJ001-E2(2/NEWS)
SW414	40T55656W06	SW,TACT SKQMAJ001-E2(3/PTY)
SW415	40T55656W06	SW,TACT SKQMAJ001-E2(4/M.I.X.)
SW416	40T55656W06	SW,TACT SKQMAJ001-E2(5/REPEAT)
SW417	40T55656W06	SW,TACT SKQMAJ001-E2(6/SCAN)
SW421	40T55656W06	SW,TACT SKQMAJ001-E2(EJECT)
SW422	40T55656W06	SW,TACT SKQMAJ001-E2(VOL UP)
SW423	40T55656W06	SW,TACT SKQMAJ001-E2(VOL DN)

NOTE : ○ : For CDM-7859RB Model Only, ● : For CDM-7858RB Model Only,
△ : For CDM-7856R Model Only, ▲ : For CDM-7856RM Model Only, Others : Common.

CDM-7859RB/CDM-7858RB
CDM-7856R/CDM-7856RM

	Symbol No.	Part No.	Description
	LED's		
	LD401	48T25534Y02	LED, RED BR1111C -CP
△	LD407	48T25534Y01	LED, GRN BG1111C -CP
▲	LD407	48T25534Y03	LED, AMB AA1111C -CP
△	LD408	48T25534Y01	LED, GRN BG1111C -CP
▲	LD408	48T25534Y03	LED, AMB AA1111C -CP
△	LD409	48T25534Y01	LED, GRN BG1111C -CP
▲	LD409	48T25534Y03	LED, AMB AA1111C -CP
	LD410	48T25534Y10	LED, YEL FY1111C -CP
	LD411	48T25534Y10	LED, YEL FY1111C -CP
△	LD416	48T25534Y01	LED, GRN BG1111C -CP
▲	LD416	48T25534Y03	LED, AMB AA1111C -CP
△	LD417	48T25534Y01	LED, GRN BG1111C -CP
▲	LD417	48T25534Y03	LED, AMB AA1111C -CP
△	LD418	48T25534Y01	LED, GRN BG1111C -CP
▲	LD418	48T25534Y03	LED, AMB AA1111C -CP
△	LD419	48T25534Y01	LED, GRN BG1111C -CP
▲	LD419	48T25534Y03	LED, AMB AA1111C -CP
△	LD420	48T25534Y01	LED, GRN BG1111C -CP
▲	LD420	48T25534Y03	LED, AMB AA1111C -CP
	Lamps		
△	PL401	65T45309Y03	LAMP, CLRGRN 9-100-E5
▲	PL401	65T45309Y02	LAMP, AMB 9-100 -E5
△	PL402	65T35324Y02	LAMP, GRN 6-80 -E5
▲	PL402	65T35324Y03	LAMP, AMB 6-80 -E5
△	PL403	65T35324Y02	LAMP, GRN 6-80 -E5
▲	PL403	65T35324Y03	LAMP, AMB 6-80 -E5
△	PL405	65T35324Y02	LAMP, GRN 6-80 -E5
▲	PL405	65T35324Y03	LAMP, AMB 6-80 -E5
△	PL406	65T35324Y02	LAMP, GRN 6-80 -E5
▲	PL406	65T35324Y03	LAMP, AMB 6-80 -E5
△	PL407	65T45309Y03	LAMP, CLRGRN 9-100-E5
▲	PL407	65T45309Y02	LAMP, AMB 9-100 -E5
	Capacitors		
	C404	08S82122F57	CAP, CER. 681J-CH1H-CP
	C405	08T15399W03	CAP, CER. 473K-B1H -CP
	C406	08T15399W03	CAP, CER. 473K-B1H -CP
	C407	08T15399W03	CAP, CER. 473K-B1H -CP
	C408	08T81833F08	CAP, CER 475K-B1A -CP

	Symbol No.	Part No.	Description
	Resistors		
	R401	06S70072F43	RES, CP .391-J-1/4-CP
△	R402	06S70072F11	RES, CP .18R-J-1/4-CP
▲	R402	06S70072F21	RES, CP .47R-J-1/4-CP
△	R403	06S70072F11	RES, CP .18R-J-1/4-CP
▲	R403	06S70072F21	RES, CP .47R-J-1/4-CP
△	R404	06S70072F09	RES, CP .15R-J-1/4-CP
▲	R404	06S35095Y08	RES, RK JUMPER 1/4-CP
△	R405	06S70072F09	RES, CP .15R-J-1/4-CP
▲	R405	06S35095Y08	RES, RK JUMPER 1/4-CP
	R407	06S70072F43	RES, CP .391-J-1/4-CP
	R409	06S70072F45	RES, CP .471-J-1/4-CP
	R410	06S70072F45	RES, CP .471-J-1/4-CP
	R411	06S70072F55	RES, CP .122-J-1/4-CP
	R414	06S95432W61	RES, RK 102J 1/8 -CP
	R415	06S95432W61	RES, RK 102J 1/8 -CP
	R416	06S95432W61	RES, RK 102J 1/8 -CP
	R417	06S95432W61	RES, RK 102J 1/8 -CP
	R418	06S95432W61	RES, RK 102J 1/8 -CP
	R419	06S95432W77	RES, RK 472J 1/8 -CP
	R420	06S95432W61	RES, RK 102J 1/8 -CP
	R421	06S95432W61	RES, RK 102J 1/8 -CP
	R422	06S95432W61	RES, RK 102J 1/8 -CP
	R423	06S95432W61	RES, RK 102J 1/8 -CP
	R424	06S95433W01	RES, RK 433J 1/8 -CP
	R425	06S95432W61	RES, RK 102J 1/8 -CP
	R426	06S95432W61	RES, RK 102J 1/8 -CP
	R427	06S95432W61	RES, RK 102J 1/8 -CP
	R428	06S95432W61	RES, RK 102J 1/8 -CP
	R429	06S95432W61	RES, RK 102J 1/8 -CP
	R430	06S95432W61	RES, RK 102J 1/8 -CP
	R440	06S95432W85	RES, RK 103J 1/8 -CP
	R441	06S95432W85	RES, RK 103J 1/8 -CP
	R442	06S95432W85	RES, RK 103J 1/8 -CP
	R443	06S95432W61	RES, RK 102J 1/8 -CP
	R444	06S95432W85	RES, RK 103J 1/8 -CP
	R445	06S95432W61	RES, RK 102J 1/8 -CP
	R446	06S45674W33	RES, RK 101J 1/10 -CP
	R462	06S95433W10	RES, RK 104J 1/8 -CP
	ST REMO P.W.Board		
	Transistors		
	Q691	48T62967F02	TR, DTC114EKA-T146-CP
	Q692	48T62967F02	TR, DTC114EKA-T146-CP

NOTE : △ : For CDM-7856R Model Only, ▲ : For CDM-7856RM Model Only, Others : Common.

Symbol No.	Part No.	Description
Q693	48T63420F01	TR, 2SA1037AK-146 -CP
Q694	48T62967F02	TR, DTC114EKA-T146-CP
Diode		
D691	48T63462F01	DIO, CP. DAN202K -96
Capacitors		
C691	08S45677W36	CAP, CER. 101J-CH1H-CP
C692	08S45676W73	CAP, CER. 103K-B1H -CP
C693	08S65128F88	CAP, CER 104K-B1H -CP
C694	08S45676W65	CAP, CER. 222K-B1H -CP
Resistors		
R691	06S45674W57	RES, RK 102J 1/10 -CP
R692	06S45674W89	RES, RK 223J 1/10 -CP
R693	06S45674W89	RES, RK 223J 1/10 -CP
R694	06S45674W81	RES, RK 103J 1/10 -CP
R695	06S45674W65	RES, RK 222J 1/10 -CP
R696	06S45674W69	RES, RK 332J 1/10 -CP
R697	06S45674W33	RES, RK 101J 1/10 -CP
Miscellaneous		
ANT001	09T01876K01	ANT, RECEPTACLE
CB801	09T35343Y16	WTB, IMSA9451B-16 -DB
CH401	09T15298Y15	BTB, TMD-V15P-A1 -B
DIN501	09T55493W02	DIN, SKT 8P CMS-R -DT
JK201	09T00992K01	RCA, T5880-AADA -DB(REAR/SUB-W)
JK691	09T95460W01	JAC, HSJ0857-01-1010+
○ LCD401	65T45175Y02	LCD, 7870R0
● LCD401	65T45175Y05	LCD, WTD-10456AAH -DB
△ LCD401	65T45175Y03	LCD, WTD-20238ACH -DB
▲ LCD401	65T45175Y04	LCD, WTD-20238AEH -DB
SW601	40T55182W06	SW, TACT SKHVLK -R5

Symbol No.	Part No.	Description

NOTE : ○ : For CDM-7859RB Model Only, ● : For CDM-7858RB Model Only,
△ : For CDM-7856R Model Only, ▲ : For CDM-7856RM Model Only, Others : Common.

CDM-7859RB/CDM-7858RB
CDM-7856R/CDM-7856RM

Cabinet Assembly Parts List

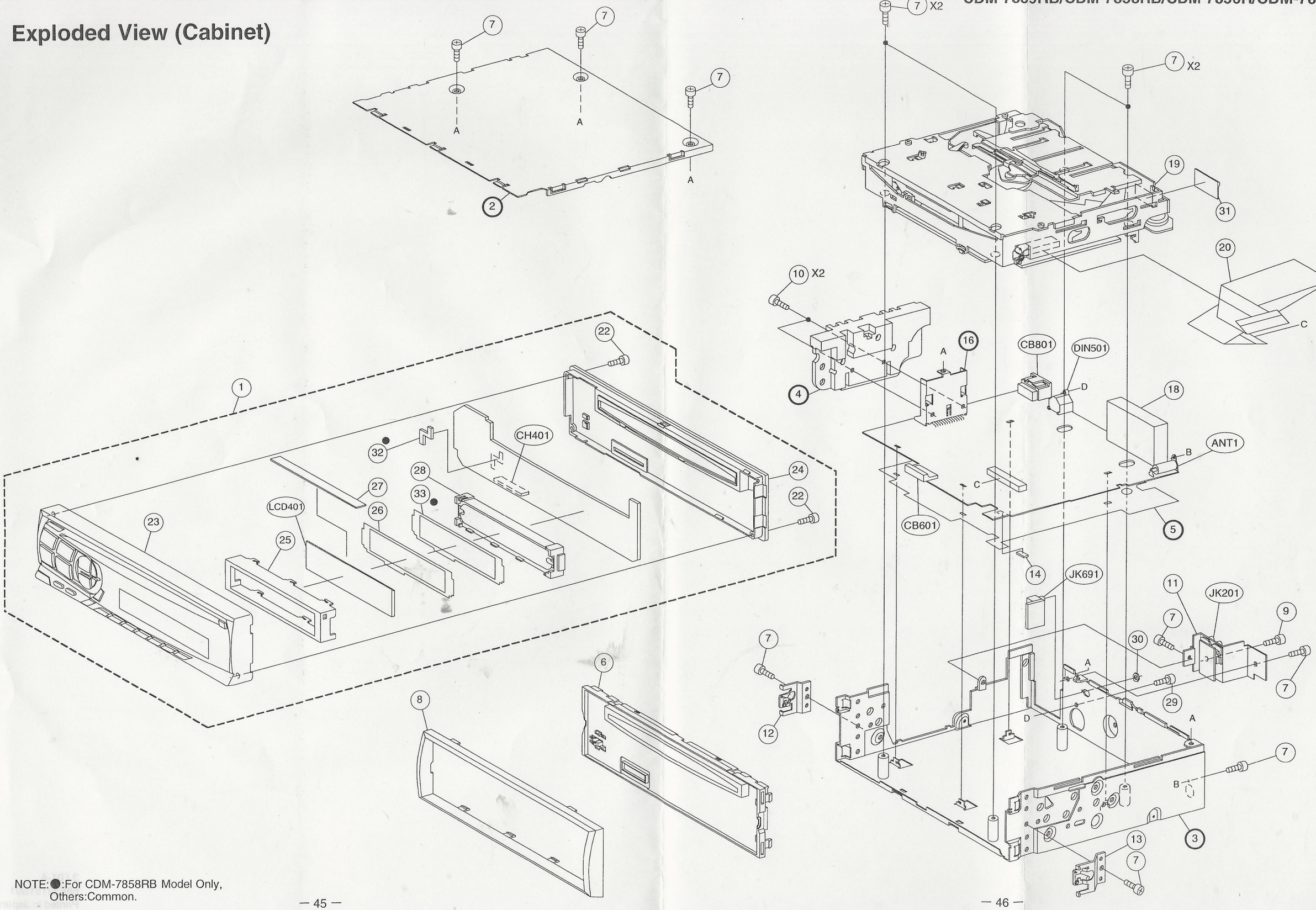
NOTE:Parts without part number are not supplied.

Symbol No.		Index	Part No.	Description
○	1		01V46700Y41	ASSY,NOSE UNIT 59RE
●	1		01V46700Y36	ASSY,NOSE UNIT 58RE
△	1		01V46700Y33	ASSY,NOSE UNIT 56RS
▲	1		01V46700Y17	ASSY,NOSE UNIT 56RT
	6		13C01847K01	FRONT,ESCU ASSY
	7		03S44205G29	SCR,T-TITE M2.6X6
○	8		33C01797K03	FACE,PLATE
●	8		33C01797K01	FACE,PLATE
△	8		33C01797K01	FACE,PLATE
▲	8		33C01797K01	FACE,PLATE
	9		03S71677F05	SCR,T-TITE-B M3X8
	10		03S38013W05	SCR,T-TITE M2.6X16
	11		07B00897K02	BKT,RCA
	12		07D00749K01	BKT,SIDE L
	13		07D00749K02	BKT,SIDE R
	14		75S21219Y58	CUSHIO,RUB 3X8XT1
	18		77B41246Y01	MB4R0020,FM/AM UNIT(TU001)
	19		81D31851Y01	DP23S07A,CD MECH
	20		30T45473Y01	RLW0419-1A
	22		03S71677F56	SCR,B-TITE M1.7X12
○	23		13C01783K01	NOSE,PIECE ASSY
●	23		13C01783K02	NOSE,PIECE ASSY
△	23		13C01782K03	NOSE,PIECE ASSY
▲	23		13C01783K03	NOSE,PIECE ASSY
○	24		13D01845K02	NOSE,BOTTOM
●	24		13D01845K01	NOSE,BOTTOM
△	24		13D01845K01	NOSE,BOTTOM
▲	24		13D01845K01	NOSE,BOTTOM
	25		15B01768K01	COVER,LCD
○	26		26A41975Y01	REFLECTOR,SHEET
●	26		26A41376Y01	REFRECTOR,SHEET
△	26		26A41975Y01	REFLECTOR,SHEET
▲	26		26A41975Y01	REFLECTOR,SHEET
	27		75T85248W12	RUBBER,ELECTRIC
○	28		15D01770K01	CASE,LCD ASSY
●	28		15D01770K01	CASE,LCD ASSY
△	28		15D01772K01	CASE,LCD ASSY
▲	28		15D01772K01	CASE,LCD ASSY
	29		03S68555F16	SCR,WAVE M2.6X8
	30		02S40000G53	NUTS,HEXAGON
	31		75T25010Y42	CUSHION,SLDP13-425L
●	32		75A50015Y01	CUSHION,RUBBER
●	33		26A41376Y02	PEFLECTOR,SHEET(A)

Symbol No.	Index	Part No.	Description

NOTE : ○ : For CDM-7859RB Model Only, ● : For CDM-7858RB Model Only,
△ : For CDM-7856R Model Only, ▲ : For CDM-7856RM Model Only, Others : Common.

Exploded View (Cabinet)



NOTE: ●:For CDM-7858RB Model Only,
Others:Common.