

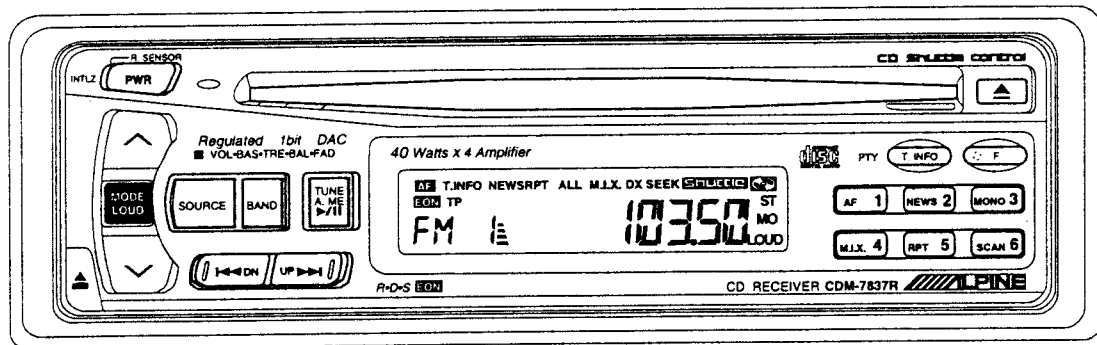
ALPINE SERVICE MANUAL

FM/MW/LW/RDS CD Receiver

CD Shuttle Controller



- For the CD deck mechanism (DP23L23A) used in this model, only the different parts are described. For details, refer to the DP23L05A section on the Service Manual • DP-L SERIES ADDENDUM & REVISED (III) (Part No. 68E26422S01).



(CDM-7837R)

CDM-7837R/
CDM-7834R

Contents

Packing Assembly Parts List	3
Packing Method View	3
Specifications	4, 5
Servo Monitor	6 to 8
Adjustment Procedures	9, 10
Adjustment Locations	10
LCD Display	11
Block Diagram	12
Tuner Schematic Diagram	13
Parts Layout on P.W. Boards and Wiring Diagram (1/4)	15, 16
Parts Layout on P.W. Boards and Wiring Diagram (2/4)	17, 18
Parts Layout on P.W. Boards and Wiring Diagram (3/4)	19, 20
Parts Layout on P.W. Boards and Wiring Diagram (4/4)	21, 22
Schematic Diagram (1/5)	23 to 25
Schematic Diagram (2/5)	26 to 28
Schematic Diagram (3/5)	29 to 31
Schematic Diagram (4/5)	32 to 34
Schematic Diagram (5/5)	35 to 37
Description of IC Terminal	38 to 40
Electrical Parts List	41 to 50
Exploded View (Cabinet)	51, 52
Cabinet Assembly Parts List	53
Disassembly Instructions	54
Semi-Conductor Lead Identifications	55
CD Mechanism Assembly Parts List (Only Difference)	56

ALPINE SERVICE



ALPI-00412

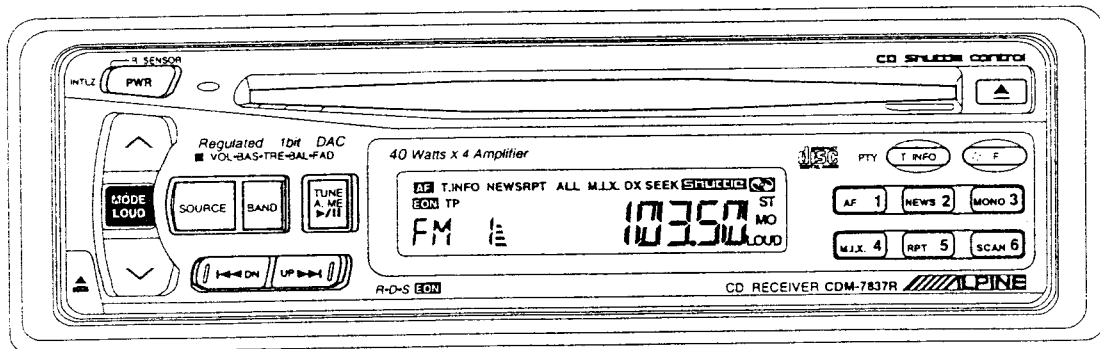
MANUAL

FM/MW/LW/RDS CD Receiver

CD Shuttle Controller



- For the CD deck mechanism (DP23L23A) used in this model, only the different parts are described. For details, refer to the DP23L05A section on the Service Manual • DP-L SERIES ADDENDUM & REVISED (III) (Part No. 68E26422S01).



CDM-7834R

4/12

Contents

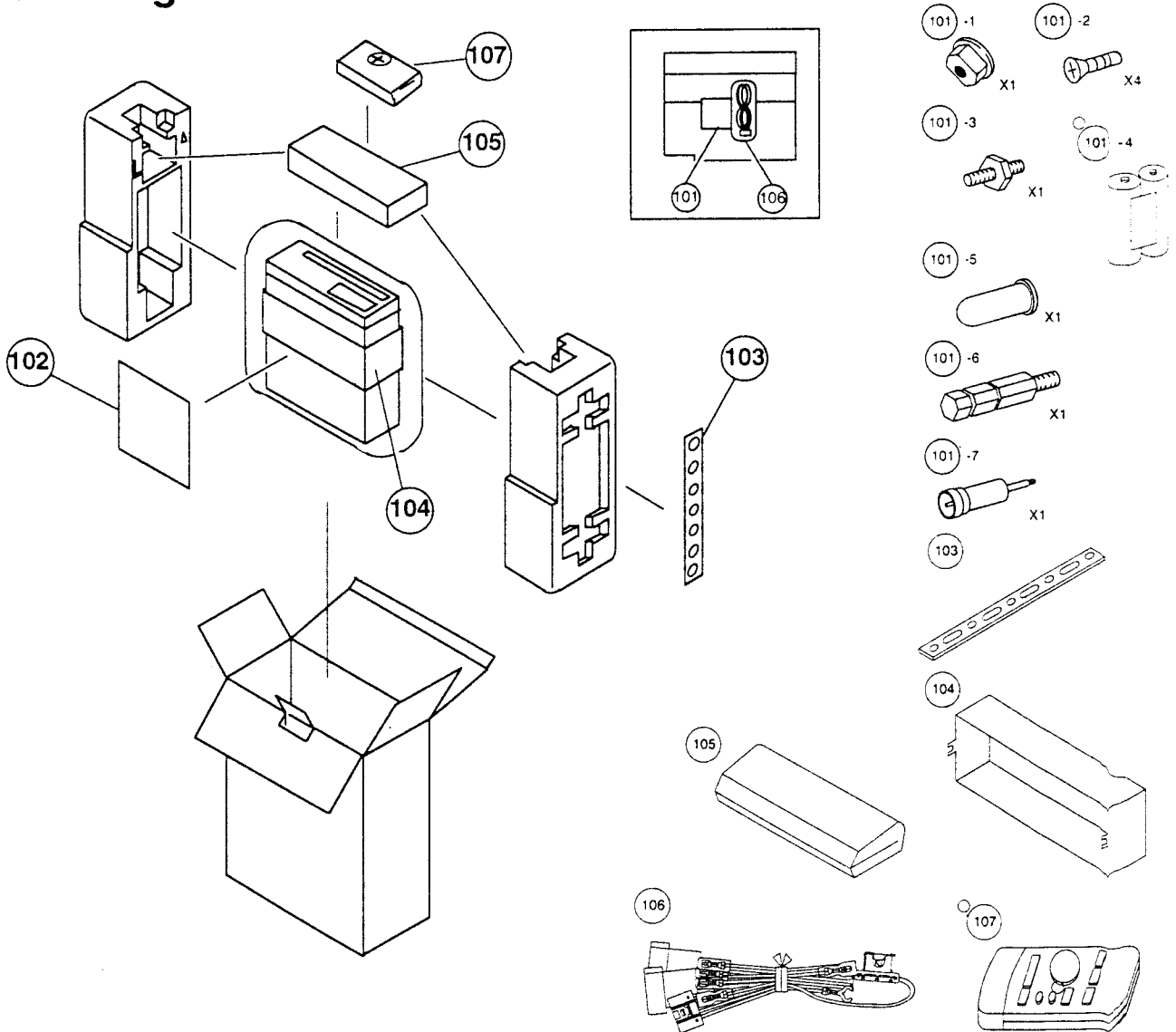
Packing Assembly Parts List	3
Packing Method View	3
Specifications	4, 5
Servo Monitor	6 to 8
Adjustment Procedures	9, 10
Adjustment Locations	10
LCD Display	11
Block Diagram	12
Tuner Schematic Diagram	13
Parts Layout on P.W. Boards and Wiring Diagram (1/4)	15, 16
Parts Layout on P.W. Boards and Wiring Diagram (2/4)	17, 18
Parts Layout on P.W. Boards and Wiring Diagram (3/4)	19, 20
Parts Layout on P.W. Boards and Wiring Diagram (4/4)	21, 22
Schematic Diagram (1/5)	23 to 25
Schematic Diagram (2/5)	26 to 28
Schematic Diagram (3/5)	29 to 31
Schematic Diagram (4/5)	32 to 34
Schematic Diagram (5/5)	35 to 37
Description of IC Terminal	38 to 40
Electrical Parts List	41 to 50
Exploded View (Cabinet)	51, 52
Cabinet Assembly Parts List	53
Disassembly Instructions	54
Semi-Conductor Lead Identifications	55
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Packing Assembly Parts List

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
○	101	01V13700Y74	Assy., Kit		
●	101	01V13700Y72	Assy., Kit		
	102-1	68P10924Y24	Owner's Manual		
	102-2	68P10924Y25	Owner's Manual (I/G/S)		
	103	07B64552F01	Bracket, Strap Receiver		
	104	15D50406W01	Case, Inner		
	105	15D71506W01	Carrying, Case		
○	106	01T15359Y03	Assy., ISO Connector		
●	106	01T15359Y02	Assy., ISO Connector		
○	107	01T00716K02	Assy., Remocon		

NOTE : ○ : For CDM-7837R Model Only, ● : For CDM-7834R Model Only, Others : Common.

Packing Method View



Specifications

< 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	85dB
Separation (1kHz)	55dB
De-Emphasis (Ref. 1kHz)	4kHz : -20±3dB 16kHz : -20±3dB

< FM RADIO >

Intermediate Frequency	10.7±0.1MHz
Frequency Range	87.5~108MHz
Usable Sensitivity (Mono, 3% Dist., at 98.1MHz)	20.2dBf
-3dB Limiting Sensitivity (at 98.1MHz)	20.2dBf
Residual Noise (Ref. 400Hz, at 98.1MHz)	25±10dB
S/N Ratio (Stereo, at 98.1MHz)	55dB
Image Rejection (at 106.1MHz)	40dB
IF Rejection (at 90.1MHz)	60dB
Distortion (Input 60dB μ , 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)	25dB

< MW RADIO >

Intermediate Frequency	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)	40dB
Distortion (at 999kHz)	1.5%
Frequency Response (Ref. 400Hz, at 999kHz)	100Hz : -3±4dB 4kHz : -12+4, -8dB

< LW RADIO >

Intermediate Frequency	450kHz
Frequency Range	153~281kHz
Usable Sensitivity (20dB S/N, at 216kHz)	38dB
S/N Ratio (at 216kHz)	42dB
Image Rejection (at 270kHz)	50dB
IF Rejection (at 162kHz)	60dB
Distortion (at 216kHz)	1.5%
Frequency Response (Ref. 400Hz, at 216kHz)	100Hz : -3±4dB 4kHz : -12+4, -8dB

< GENERAL >

Power Supply	DC14.4V
Power Output (T.H.D. 10%) /Impedance	16W/ch/4ohm (○) 14W/ch/4ohm (●)
Pre Output/Impedance	1.2V/10Kohm
Semiconductors	24IC's, 55Transistors, 15Diodes, 4Zener Diodes(○) 21IC's, 39Transistors, 13Diodes, 4Zener Diodes(●)
Dimensions (W×H×D)	Chassis : 178×50×158mm Nose : 188×58×14.5mm
Weight	1.5kg

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

○ : For CDM-7837R Model Only, ● : For CDM-7834R Model Only, Others : Common.

Servo Monitor (Part No. 01E20845S01)

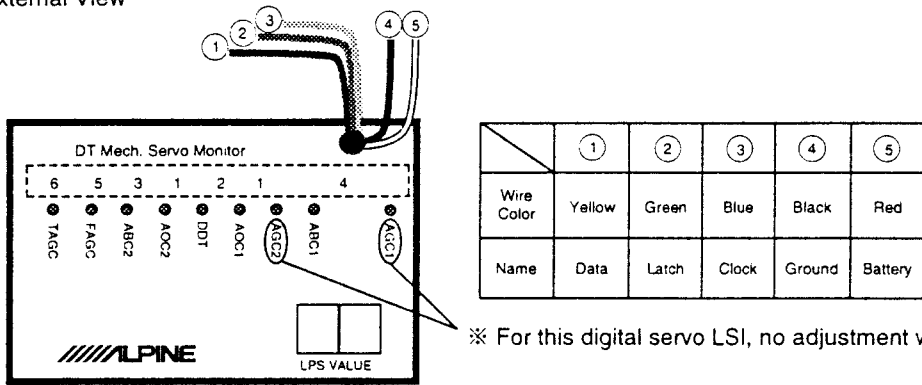
I. Purpose

DP-L mechanism built-in CMD-7837R/CDM-7834R performs digital signal processing in the inside of Digital Servo LSI and the outside alignment circuit builds in to this Digital Servo LSI and each alignments are automatic.

This DT Mech. Servo Monitor is jig for the automatic alignment circuitry. Please refer to the following list for the reference;

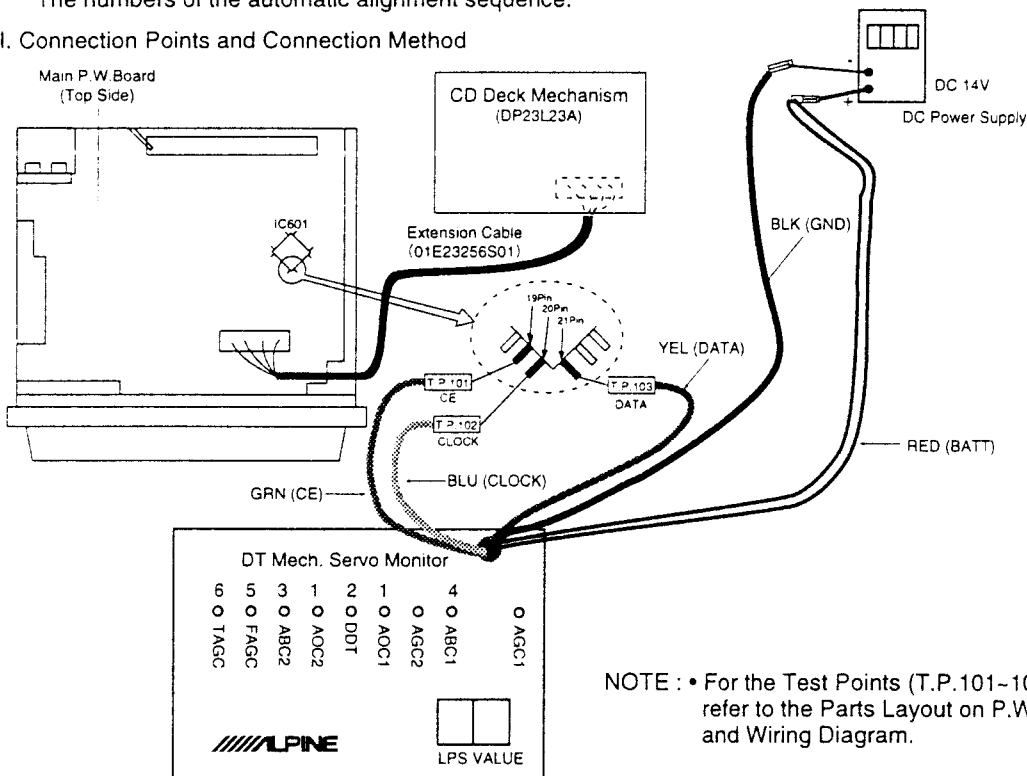
1. LED indicates the alignment.
2. Diagnosis of automatic alignment.
3. LED indicates a failure item for easy failure analysis of servo circuitry.

External View



* The numbers of the automatic alignment sequence.

II. Connection Points and Connection Method



Connect each of the wires to the Test point as illustrated in the diagram.

* Be very careful not to shorts the test points since they are located close together.

* DT Mech. Servo Monitor can be used for the DP-L mechanism.

III. Operating Specifications

The automatic adjustment operations of the CMD-7837R/CDM-7834R are performed by output of the commands of the various adjustment items from the main microprocessor. Adjustments are performed in response to these commands by the digital servo LSI. This servo monitor jig receives the signal returned to the main microprocessor from the digital servo LSI and causes the LED to light or go off. The adjustment condition (of either completed or not yet completed) of the various adjustment items can be checked using the lighting condition of this LED. The following test discs are required for the good/fault judgment:

1. A-BEX TCD-721 (6th track - 1.2mm) : Scratch test disc
2. A-BEX TCD-782 : Signal test disc

Measures to be Taken Corresponding to the LED Indication

1. When a LED other than FAGC or TAGC lights, perform the fault causation analysis using the fault diagnosis chart according to the LED indication.
2. When only the FAGC or TAGC LED turn on a lights (indicating that the focus / tracking fine gain adjustment is not completed) , perform the focus / tracking servo gain adjustment. If the value is within the specification, the adjustment is normal.

i) LED indications

Lit : Fault Unit : OK

Adjustment Order	LED Name	Adjustment Order	Contents
1	AOC2	Tracking offset adjustment	Corrects the tracking error value as an offset.
	AOC1	Focus offset adjustment	Corrects the focus error value as an offset.
2	DDT	Disc detection	Detects the presence or absence of a disc.
3	ABC2	Tracking balance adjustment	Corrects the average value of the tracking error as a balance value.
4	ABC1	Focus balance adjustment	Correct until the RF level becomes maximum.
5	FAGC	Focus fine gain adjustment	Introduces external interference and adjusts the focus gain to an appropriate value.
6	TAGC	Tracking fine gain adjustment	Introduces external interference and adjusts the tracking gain to an appropriate value.

ii) Seven-Segment LED (LPS Value)

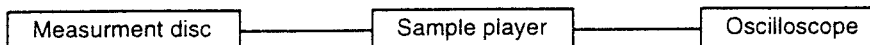
Not used since this model is a single CD player. Indication shows "00".

Measurements

A. RF Signal Level Measurement

The main beam of the returning light is received by the photodiode and the output voltage is obtained by current-voltage conversion of A+B+C+D.

1. Block Diagram



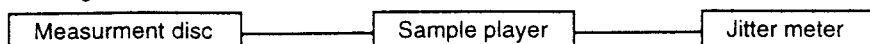
2. Measurement Method

- (a). Connect the ground terminal of the oscilloscope VRO (TA2066F (IC1102), pin 20) and measure the RFO signal (of TA2066F (IC1102), pin 21).
- (b). Play the first track of the measurement disc A-BEX TCD-782.
- (c). Read the peak-to-peak value of the waveform.
Specification: 1.2+0.3, -0.2V
* When the value is outside of the specification (i.e., not good), check TA2066F (IC1102) and the pick-up.

B. Jitter Measurement

The standard deviation of the pulse width when a trigger is applied to the rising edge of the 3T component of the RF signal.

1. Block Diagram



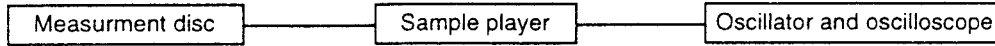
2. Measurement Method

- (a). Connect the ground terminal of the jitter meter to VRO (TA2066F (IC1102), pin 20) and measure the RFO signal (of TA2066F (IC1102), pin 21).
- (b). Play the first track of the measurement disc A-BEX TCD-782.
- (c). Read the indicated value of the jitter meter.
Specification: 25nS or less
* When the value is outside of the specification, check TA2066F (IC1102) and the pick-up.

C. Focus Servo Gain Measurement

Measure the focus servo open loop gain in the servo-on (closed loop) condition.

1. Block Diagram



2. Measurement Method using an Oscillator and an Oscilloscope

- Connect OSC output to resistor for gain measurement (100 ohm).
(Connect a servo driver side to positive side.)
- Connect CH1 of oscilloscope to a servo driver side of resistor for gain measurement (100 ohm).
(Connect negative side with GND of set.)
- Connect CH2 of oscilloscope to TC9296AF (IC1101) side of resistor for gain measurement (100 ohm).
(Connect negative side with GND of set.)
- Play back the eighth track of A-BEX TCD-782 disc for measurement. (No sound recording track)
- Output frequency (1.2 kHz, 200 mVP-P) from OSC and compare the amplitude of CH1 and CH2 of oscilloscope and convert into dB.

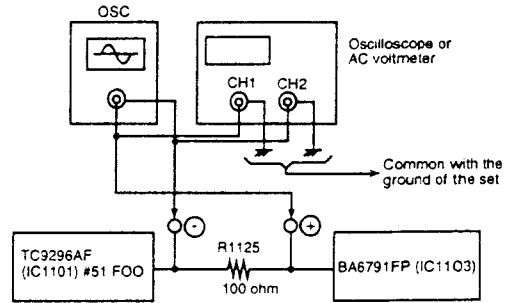
$$\text{Gain (dB)} = 20 \text{ Log (CH2/CH1)}$$

Specification : Gain Normal if it is within $0 \pm 3\text{dB}$.

* If the specification is out (NG), TC9296AF (IC1101) (Digital Servo LSI) is malfunction.

NOTE: AC voltmeter is available to measurement.

3. Connection (Example)

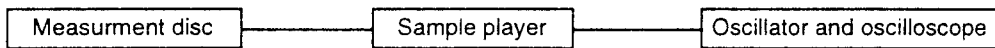


* FOO: Focus drive output

D. Tracking Servo Gain Measurement

Measure the tracking servo open loop gain in the servo-on (closed loop) condition.

1. Block Diagram



2. Measurement Method using Oscillator and an Oscilloscope

- Connect OSC output to resistor for gain measurement (100 ohm).
(Connect a servo driver side to positive side.)
- Connect CH1 of oscilloscope to a servo driver side of resistor for gain measurement (100 ohm).
(Connect negative side with GND of set.)
- Connect CH2 of oscilloscope to TC9296AF (IC1101) side of resistor for gain measurement (100 ohm).
- Play back the eighth track of A-BEX TCD-782 disc for measurement. (No sound recording track)
- Output frequency (1 kHz, 50 mVP-P) from OSC and compare the amplitude of CH1 and CH2 of oscilloscope and convert into dB.

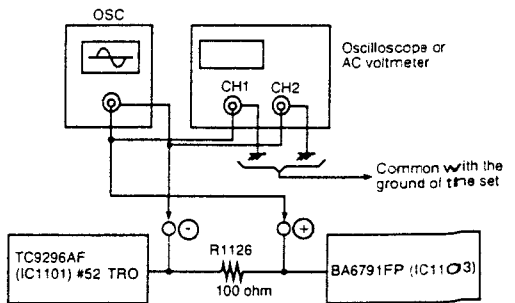
$$\text{Gain (dB)} = 20 \text{ Log (CH2/CH1)}$$

Specification : Gain Normal if it is within $0 \pm 3\text{dB}$.

* If the specification is out (NG), TC9296AF (IC1101) (Digital Servo LSI) is malfunction.

NOTE: AC voltmeter is available to measurement.

3. Connection (Example)

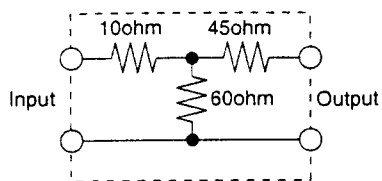


* TRO: Tracking drive output

Adjustment Procedures

1. FM SECTION

(1) Dummy Antenna Circuit



For 50 ohm FM Signal Generator

Figure 1

(2) Connections

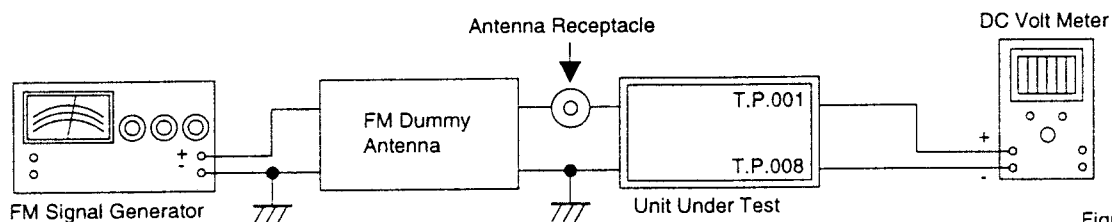


Figure 2

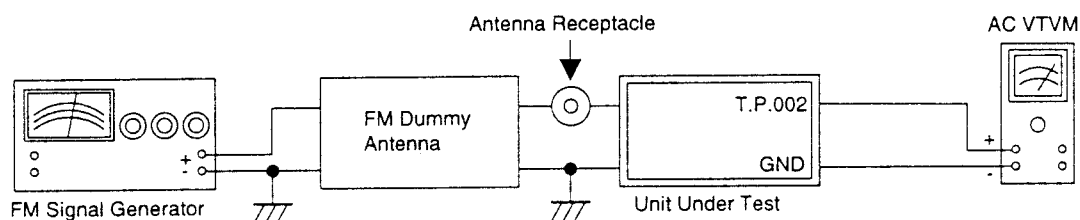


Figure 3

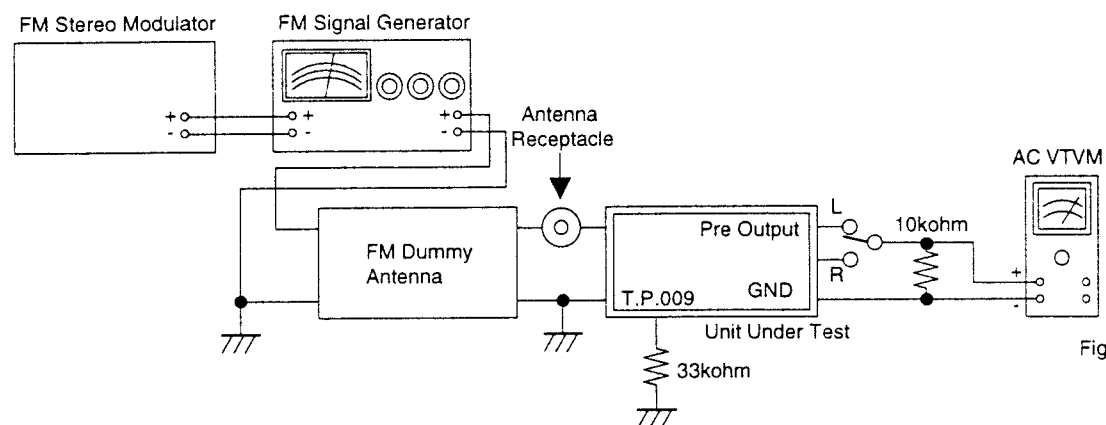


Figure 4

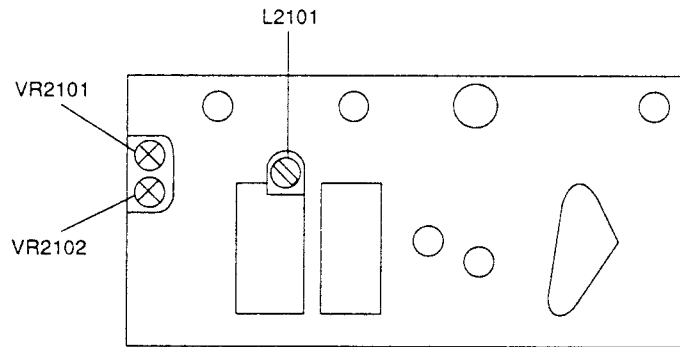
(3) Control Settings

Power Switch	..... ON	Bass Control	..... Center Position
Fader Control	..... Center Position	Band Switch	..... FM
Balance Control	..... Center Position	Others	..... OFF
Treble Control	..... Center Position		

(4) Adjustment Procedures

Step	Description	Connection	Signal Generator	Dial Control	Test Point / P.W.Board Coordinates	Adjustment
1	IF Adjustment	Figure 2	98.1MHz, 72dB μ (Mod. OFF)	98.1MHz	T.P.001 (1-D) T.P.008 (1-D)	Adjust L2101 to 15~25mV.
2	Signal Meter Adjustment	Figure 3	98.1MHz, 46dB μ (Mod. 400Hz, Dev. 40kHz)	98.1MHz	T.P.002 (1-C)	Adjust VR2101 to 3.5 \pm 0.1V output.
3	Stereo Blend Adjustment (Lch)	Figure 4	98.1MHz, 46dB μ (Mod. 1kHz, Dev. 36kHz, Stereo, Lch only)	98.1MHz	Pre Output T.P.009 (1-D)	Adjust VR2102 for Lch and Rch output level difference to be 8dB.
4	Stereo Blend Adjustment (Rch)	Figure 4	98.1MHz, 46dB μ (Mod. 1kHz, Dev. 36kHz, Stereo, Rch only)	98.1MHz	Pre Output T.P.009 (1-D)	Proceed same adjustment under step 3.

Adjustment Locations

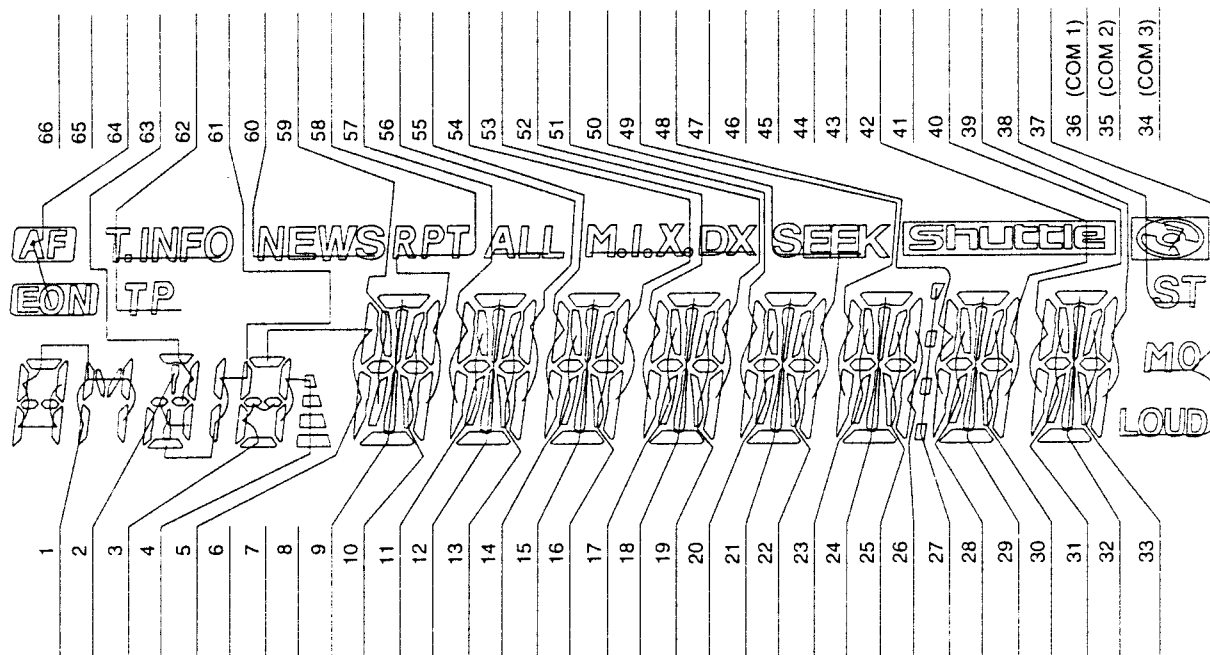


FM/MW/LW Tuner Unit, MB4R6050 (FE001)

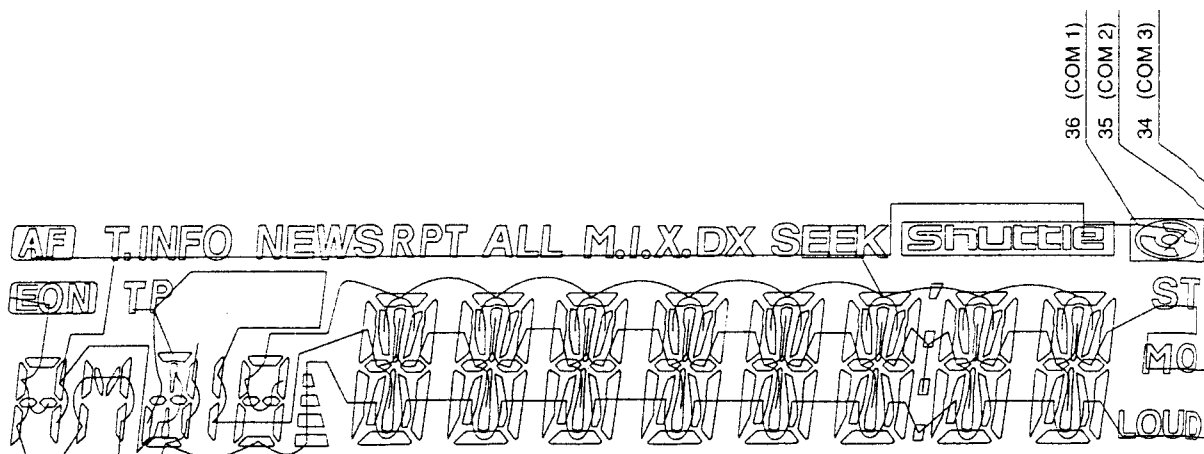
NOTE : For the Test Points (T.P.001, 002, 008, 009), refer to the Parts Layout on P.W.Boards and Wiring Diagram.

LCD Display

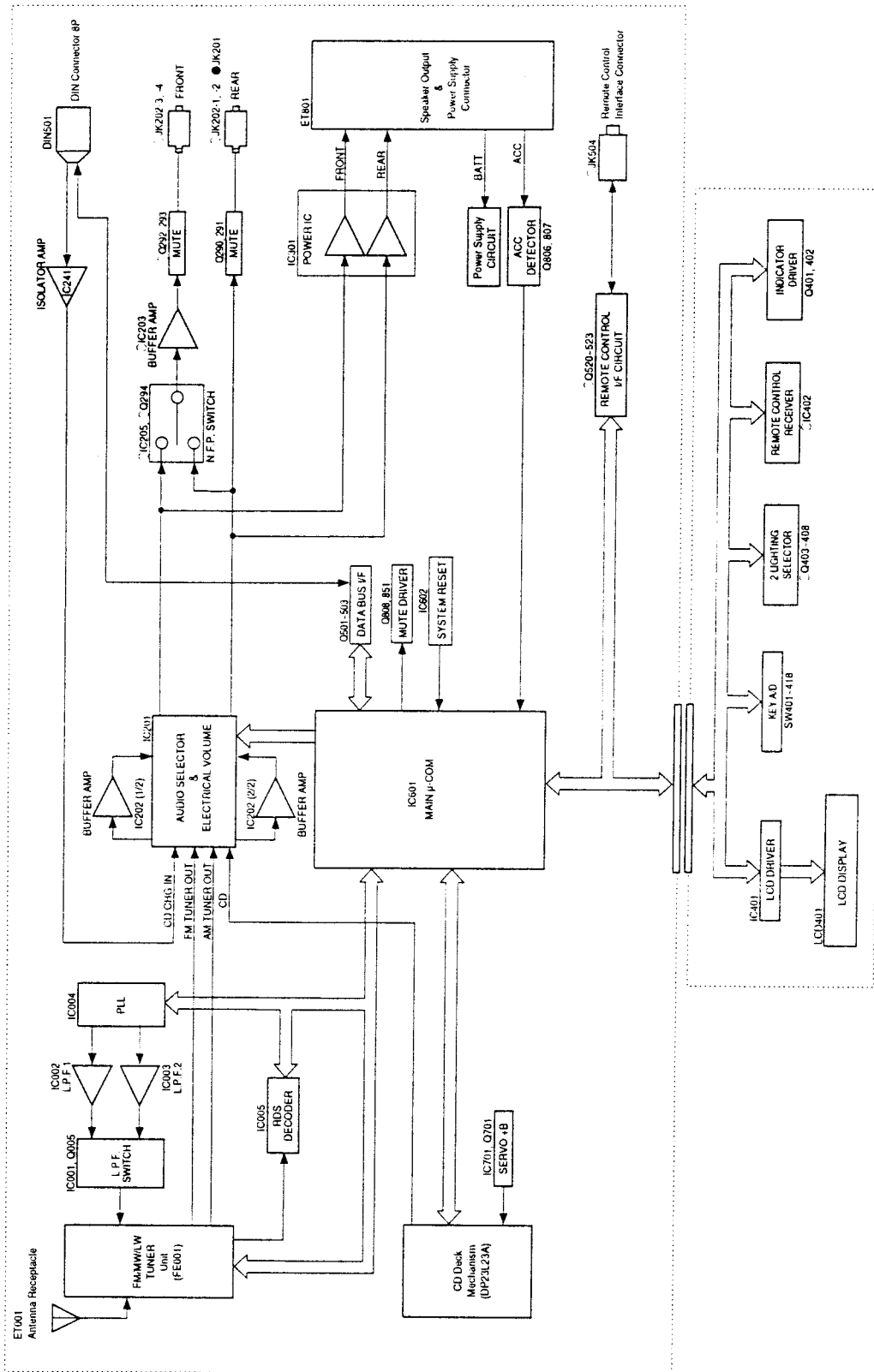
SEGMENT



COMMON

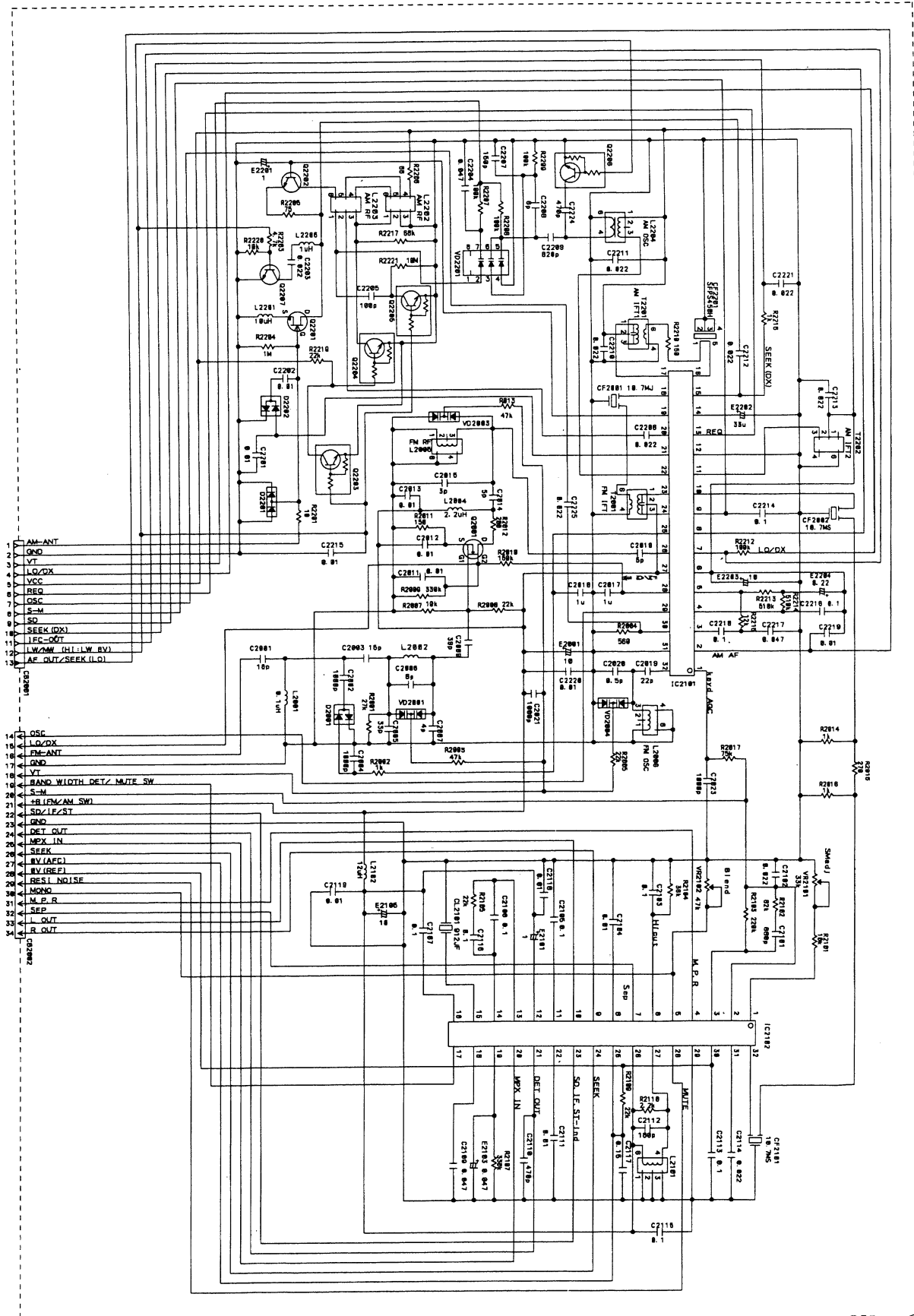


Block Diagram



NOTE : ○ : For CDM-7837R Model Only, ● : For CDM-7834R Model Only, Others : Common.

Tuner Schematic Diagram

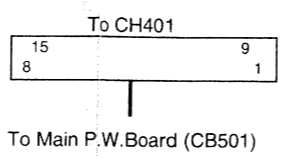
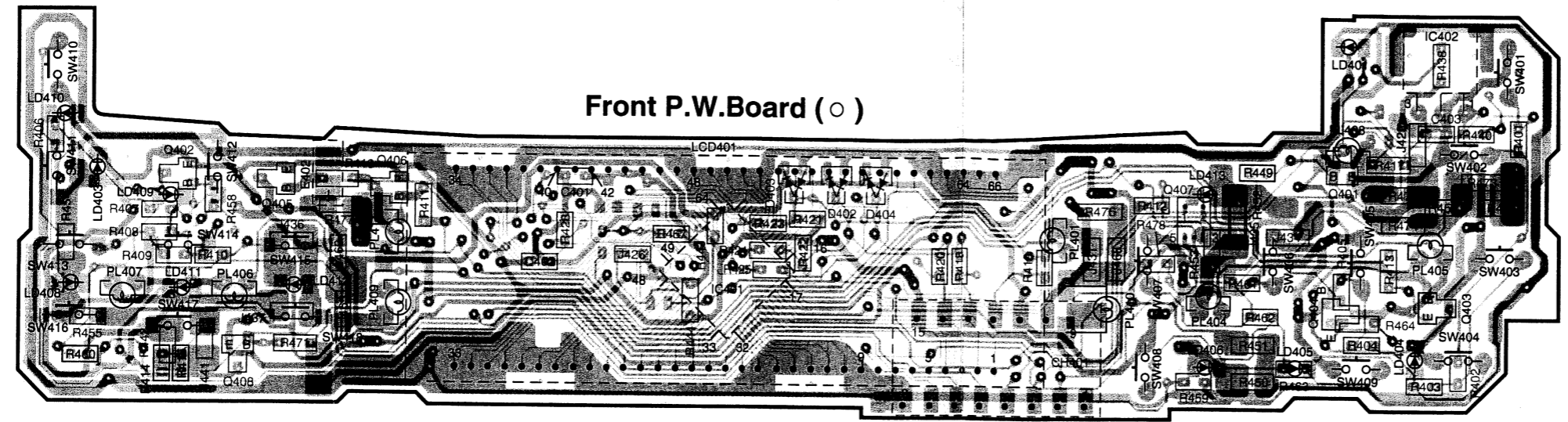


MEMO

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

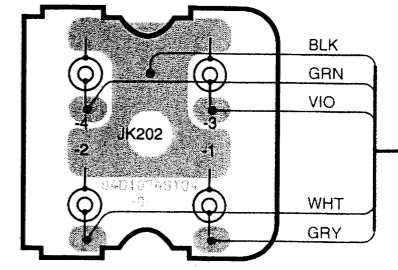
All P.W. Boards viewed from soldered side.

1
2
3
4
5
A | B - 17 - | C | D | E | F - 18 - | G

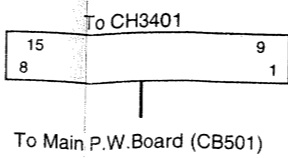
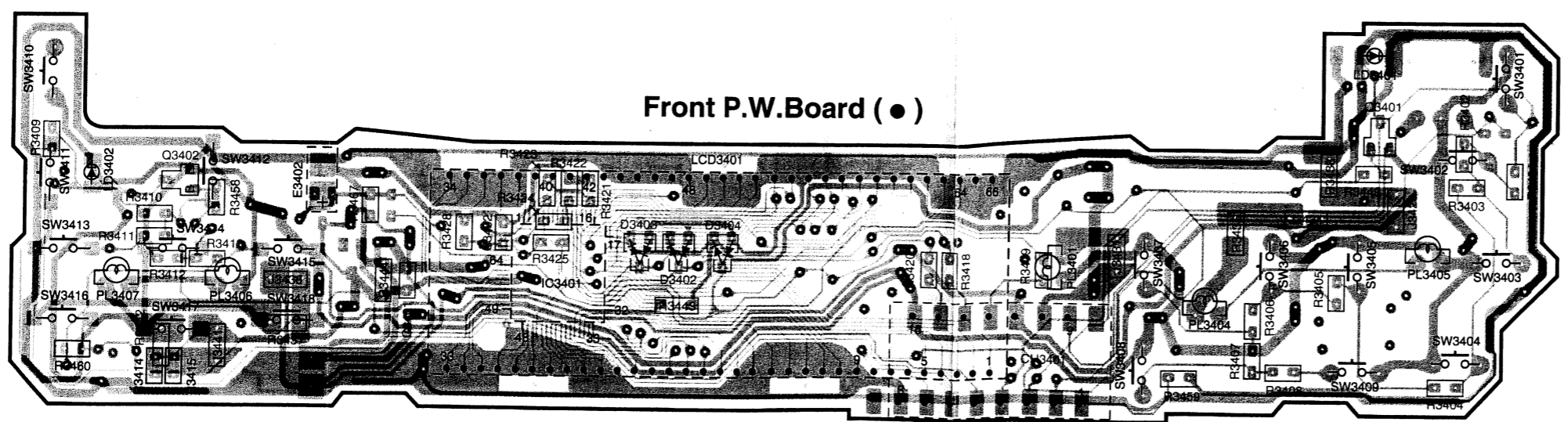
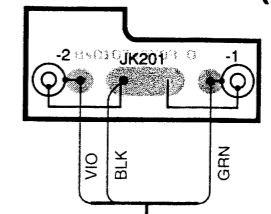


NOTE : ○ : For CDM-7837R Model Only

Jack P.W. Board (1) (○)

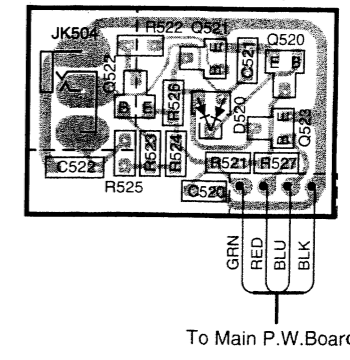


Jack P.W. Board (2) (●)



NOTE : ● : For CDM-7834R Model Only

Remote Control P.W. Board (○)



Orange Color Pattern : Component Side Pattern
Blue Color Pattern : Foil Side Pattern

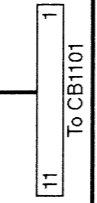
Parts Layout on P.W. Boards and Wiring Diagram (3/4)

All P.W. Boards viewed from soldered side.

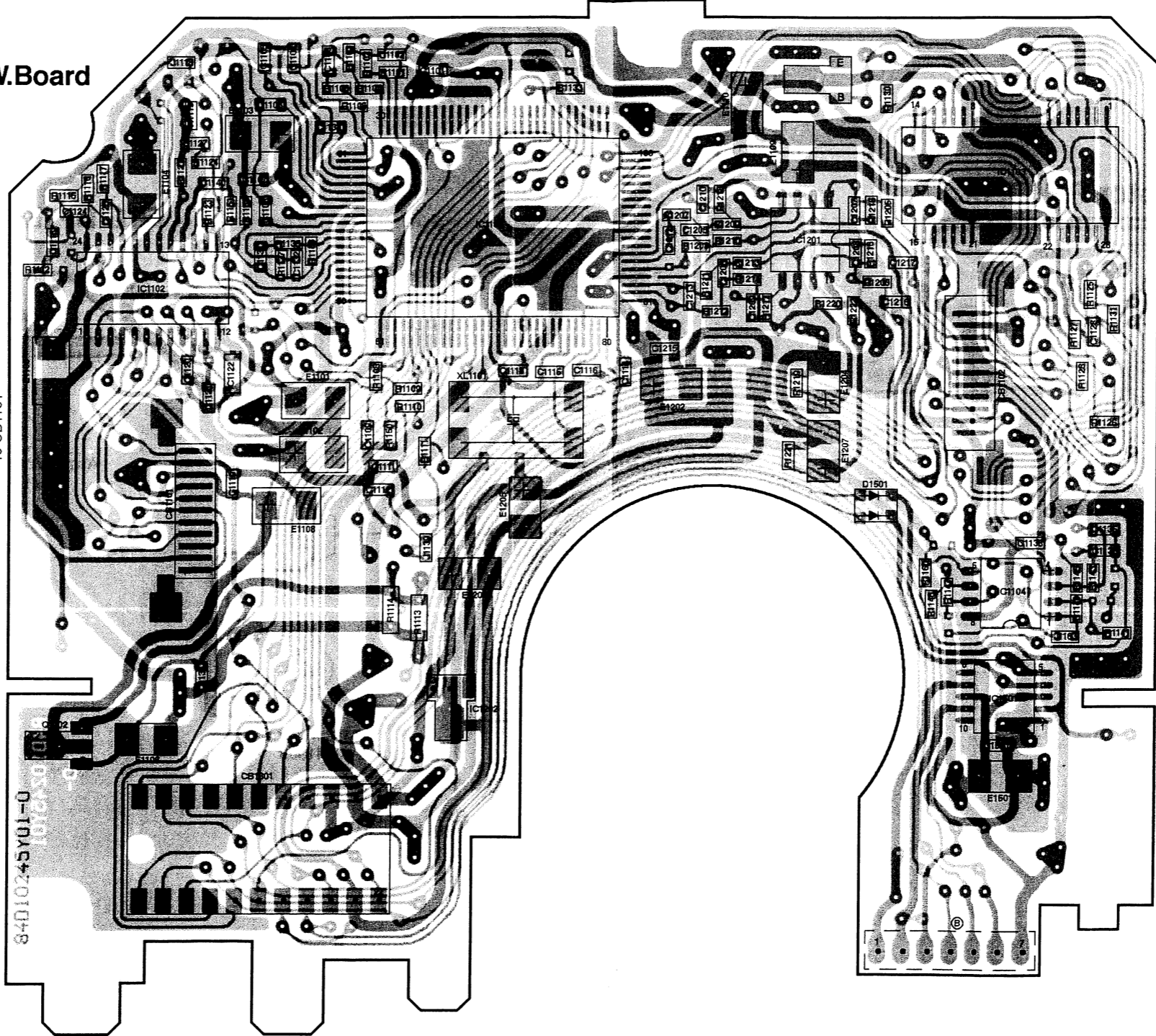
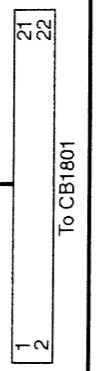
1
2
3
4
5

DP-Main P.W.Board

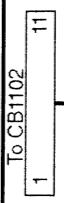
From Pick-Up Unit
(HD1201)



To Main P.W. Board (CB101)

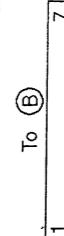


To CB1102



From FPC DP-L Control P.W. Board

To Switch/Motor P.W. Board



A

B - 19 -

C

D

E

F - 20 -

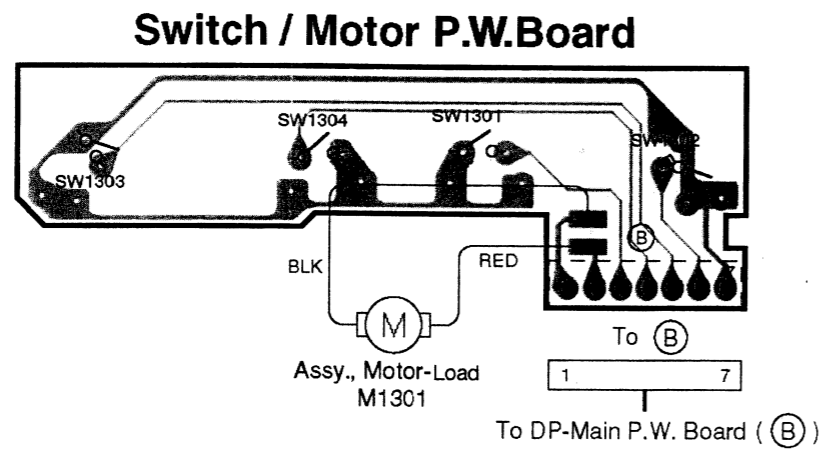
G

Orange Color Pattern : Component Side Pattern
Blue Color Pattern : Foil Side Pattern

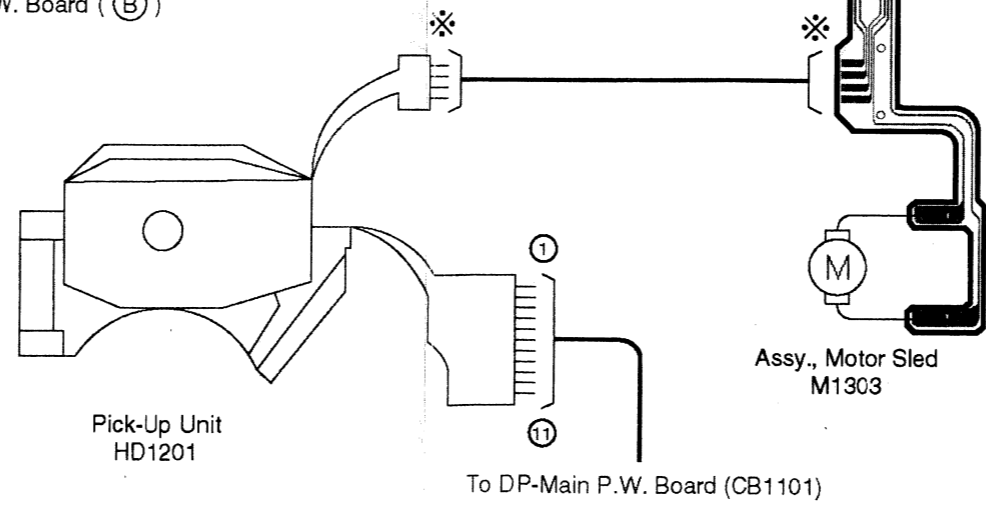
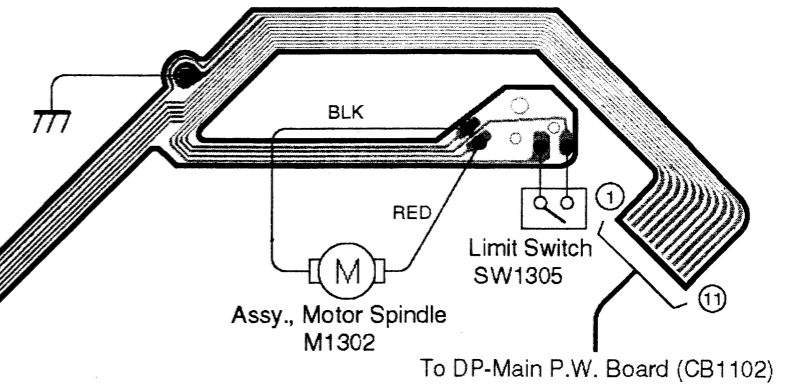
Parts Layout on P.W. Boards and Wiring Diagram (4/4)

All P.W. Boards viewed from soldered side.

1
2
3
4
5

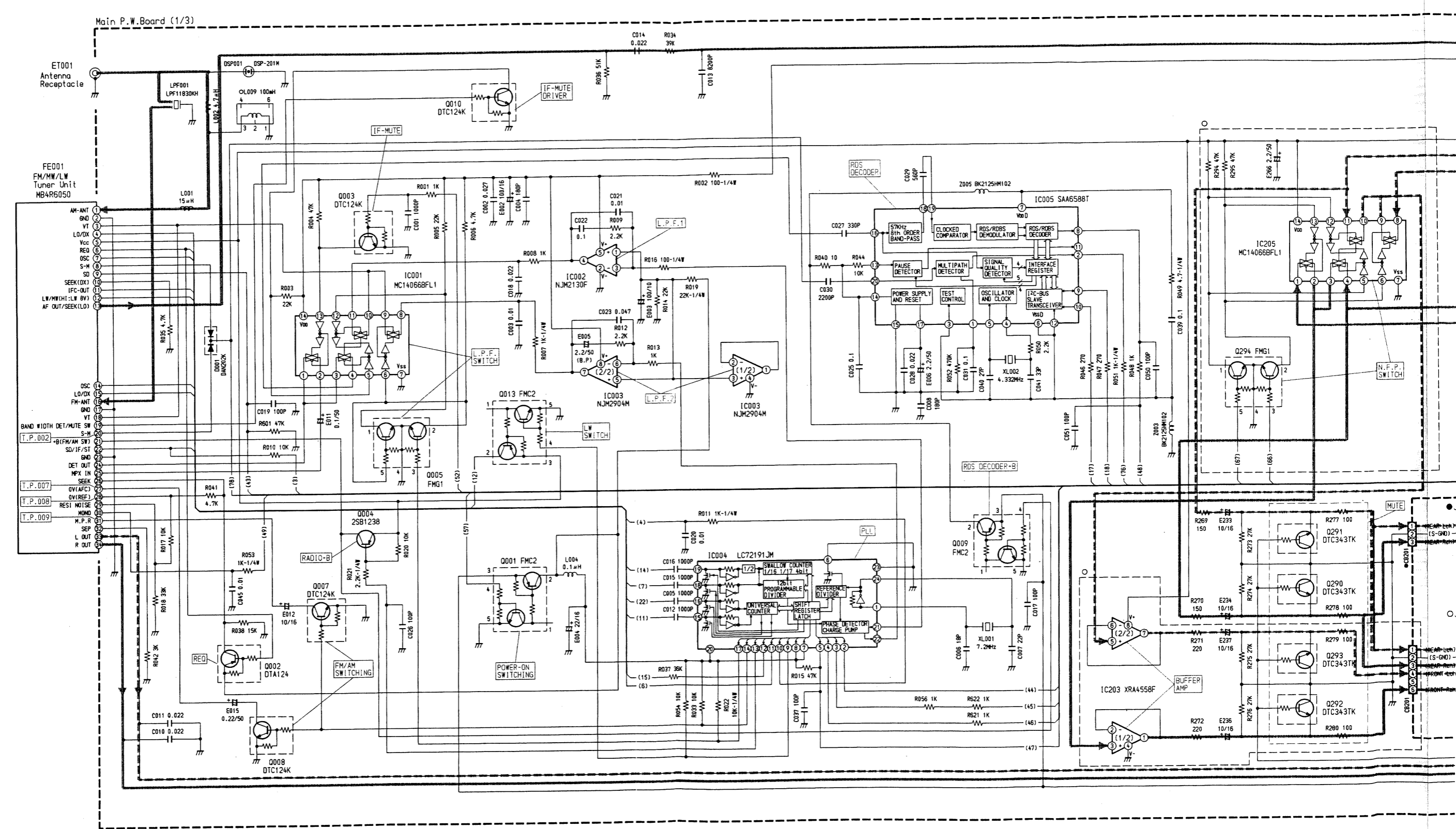


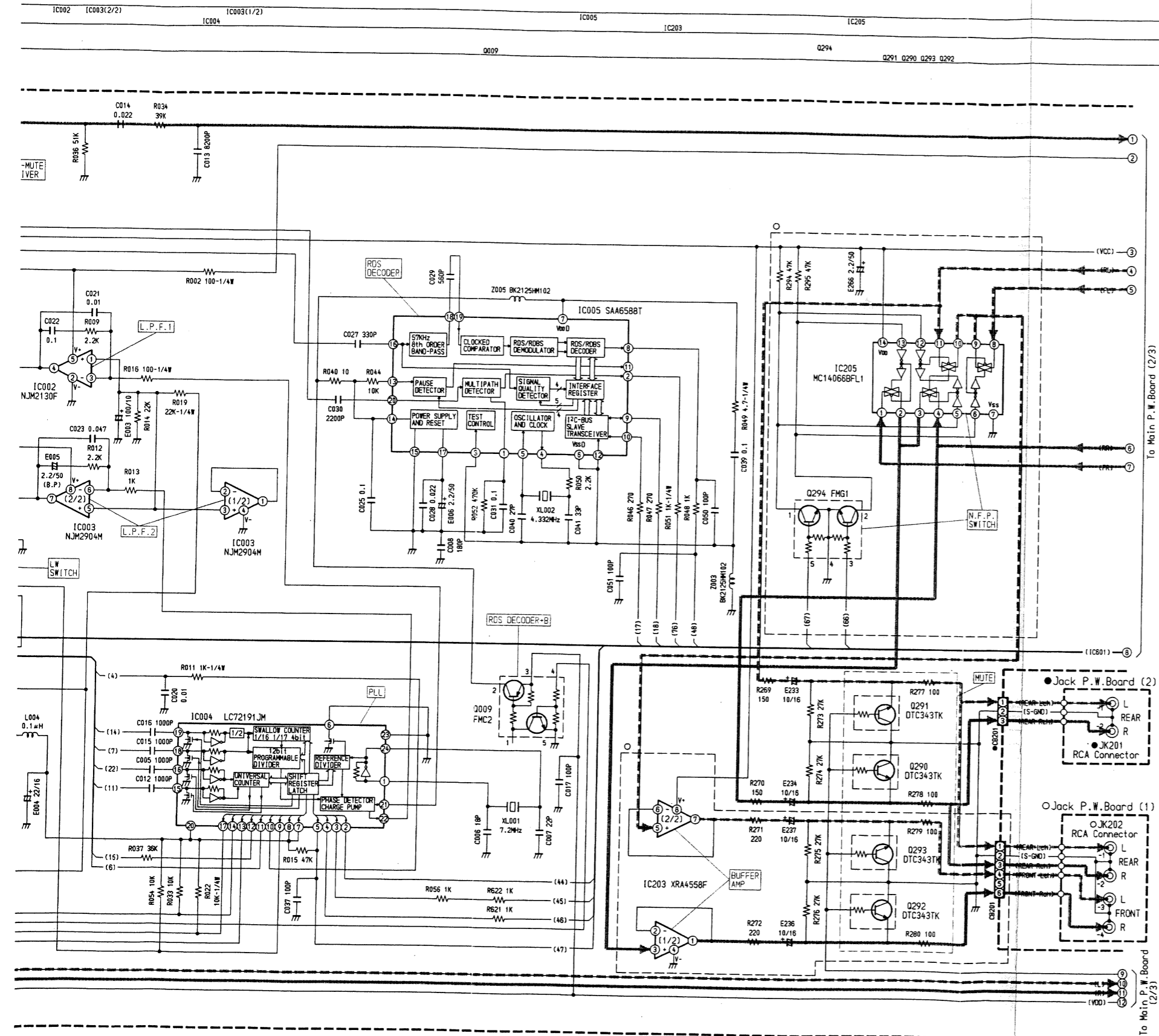
FPC DP-L Control P.W. Board



Schematic Diagram (1/5)

IC	IC001	IC002	IC003(1/2)	IC004	IC005	IC203	IC205
Transistor (Q)	Q003, Q004, Q005, Q010, Q013, Q001	Q002, Q008, Q007, Q004	Q009	Q009	Q294	Q291, Q290, Q293, Q292	





IC001		IC002		IC003		IC004				
1-4	3.41V	1	2.55V	1-3	2.54V / 2.55V	FM / MW, LW	1	PS	15, 16	0V
5	13.84V	2	0V	4	0V		2-6	0V	17	3.6V
6, 7	0V	3	2.55V	5, 6	2.54V / 2.55V	FM / MW, LW	7, 8	5.08V	18	0V
8	3.9V	4	4.02V	7	6.23V / 4.67V	FM / MW, LW	9	3.63V / 0.2V	19	2.51V
9-11	4.02V	5	13.87V	8	13.87V / 13.97V	FM / MW, LW	10	0V	20	5.09V
12	13.84V						11	0.13V	21, 22	2.56V
13	13.81V						12	4.4V	23	0V
14	13.87V						13	0.3V / 8.7V	24	PS
							14	2.89V		

IC005				IC203		IC205	
1	1.45V	12	0V	1-3	4.37V	1-4	4.33V
2	2.24V	13	2.53V	4	0V	5	0V
3	0V	14	4.98V	5-7	4.36V	6	8.58V
4, 5	PS	15	0V	8	8.68V	7	0V
6	0V	16, 17	2.51V			8-11	4.33V
7	5.06V	18	2.56V			12	0V
8-10	PS	19	2.5V			13	8.59V
11	NC	20	2.51V			14	8.62V

	E	C	B	MODE
Q002	5.09V	5.06V	0.12V	
Q003	0V	13.8V	0V	
Q004	8.68V / 8.7V	8.61V / 0V	7.94V / 8.69V	FM / MW, LW
Q007	0V	0V	2.88V	
Q008	0V	0V	2.88V	
Q010	0V	13.84V	0V	
Q290	0V / 0V	0V / 0V	14.19V / 0V	MUTE ON / OFF
Q291	0V / 0V	0V / 0V	14.19V / 0V	MUTE ON / OFF
Q292	0V / 0V	0V / 0V	14.19V / 0V	MUTE ON / OFF
Q293	0V / 0V	0V / 0V	14.19V / 0V	MUTE ON / OFF

	1	2	3	4	5
Q001	NC	5.2V	5.28V	5.1V	0V
Q005	0.11V	0V	3.61V	0.11V	13.87V
Q009	NC	8.59V	5.28V	5.09V	0V
Q013	NC	0.21V	8.66V	0V	8.62V
Q294	5.24V	0V	0V	8.59V	0V

[Measuring Conditions]

- Power Supply Voltage : DC14.4V
- Measuring Meter : Digital Multi Voltmeter
- Measuring Point Reference : Between GND
- Measuring Conditions : Power ON
FM : 98.1MHz
No Modulation

NOTE : ○ : For CDM-7837R Model Only,
● : For CDM-7834R Model Only,
Others : Common.

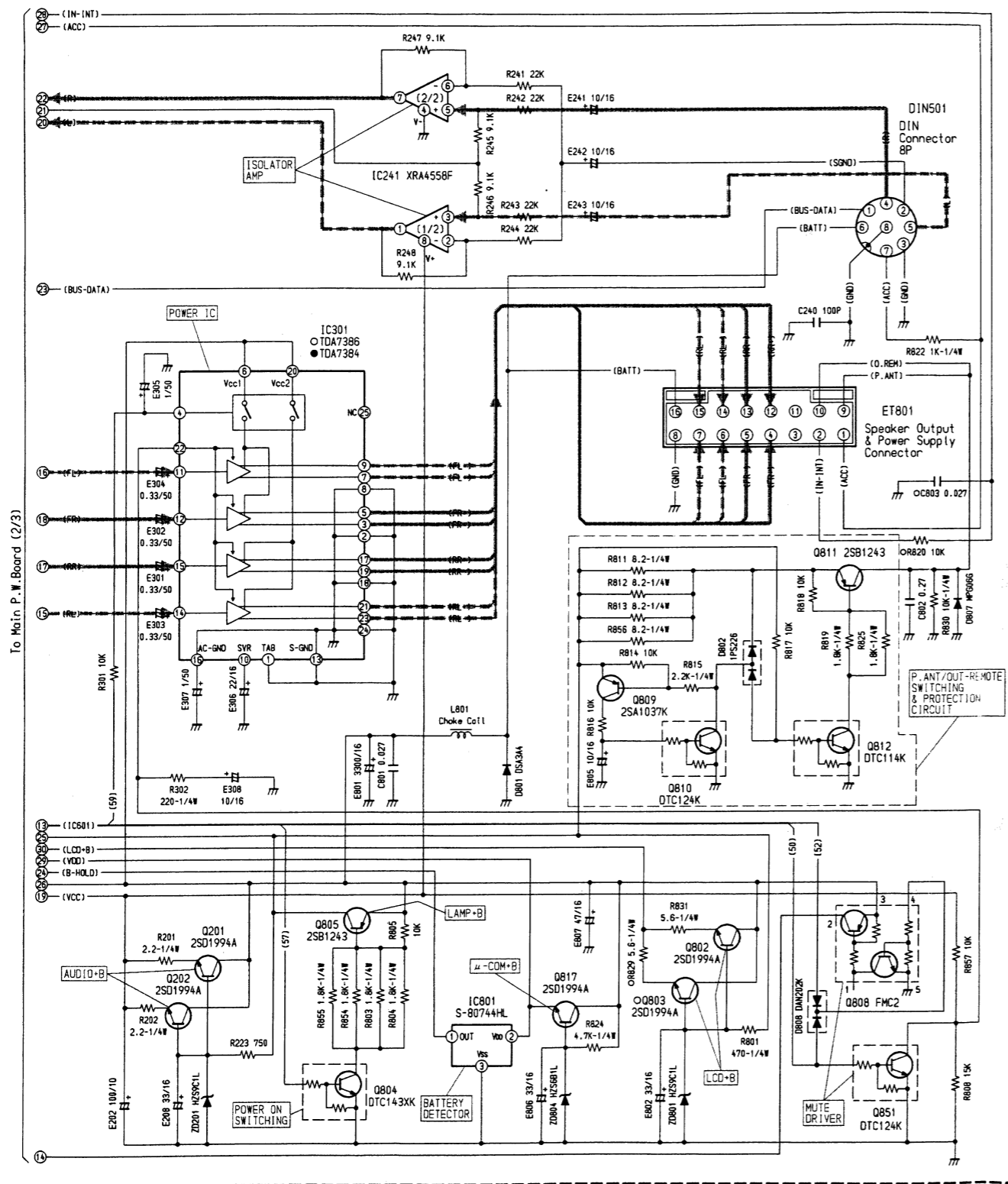
NOTE:

1. All resistance values are in ohms. K = 1,000
2. All capacitance values are in microfarads. P = $\frac{1}{1,000,000}$

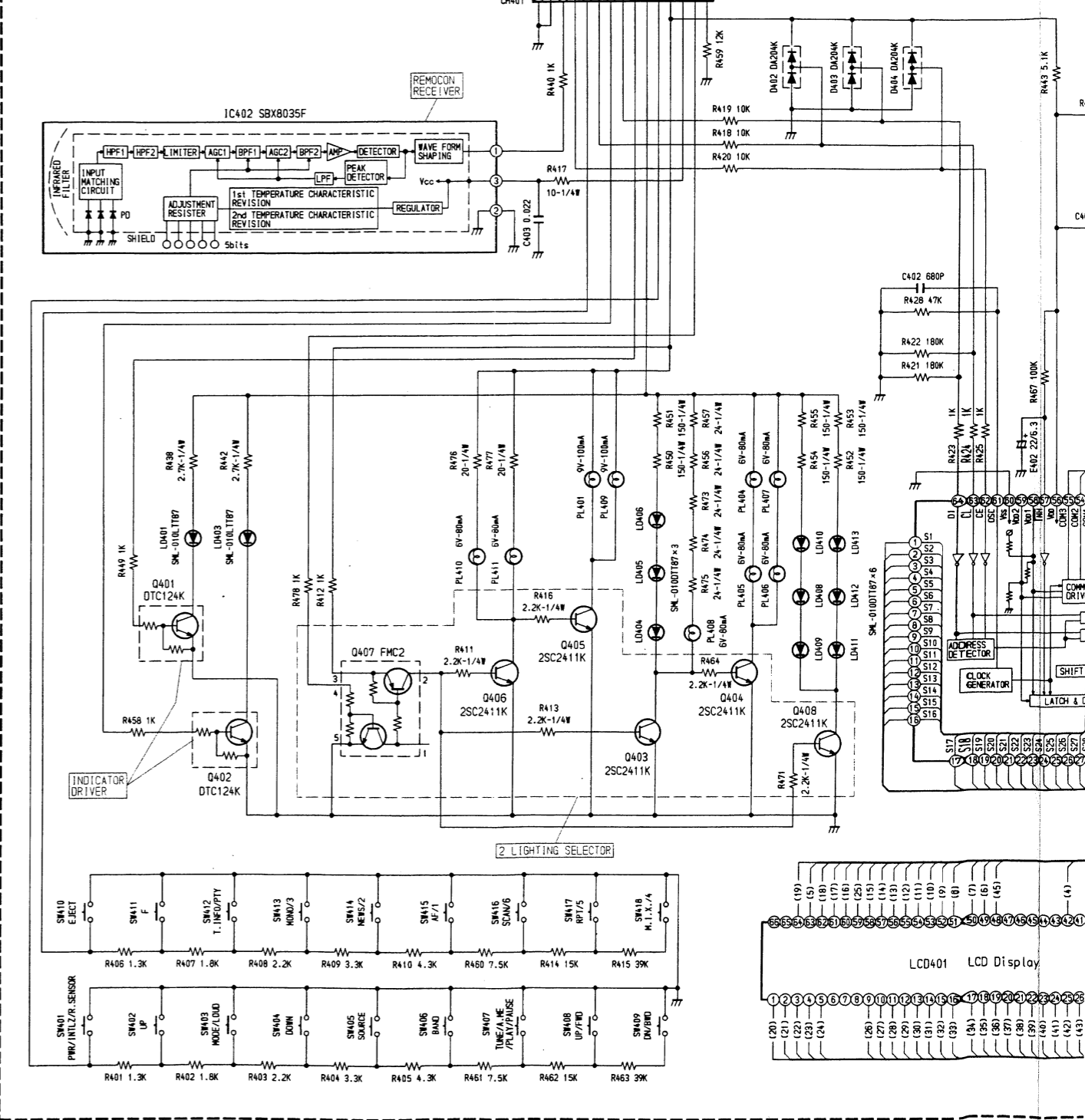
Schematic Diagram (3/5)

IC	IC301	IC241	IC801						IC402									
Transistor (Q)	Q202 Q201	Q805 Q804	Q817	Q809 Q803 Q802	Q811 Q808 Q8051	Q401 Q402	Q407	Q406 Q405	Q403	Q404	Q408							

Main P.W. Board (3/3)



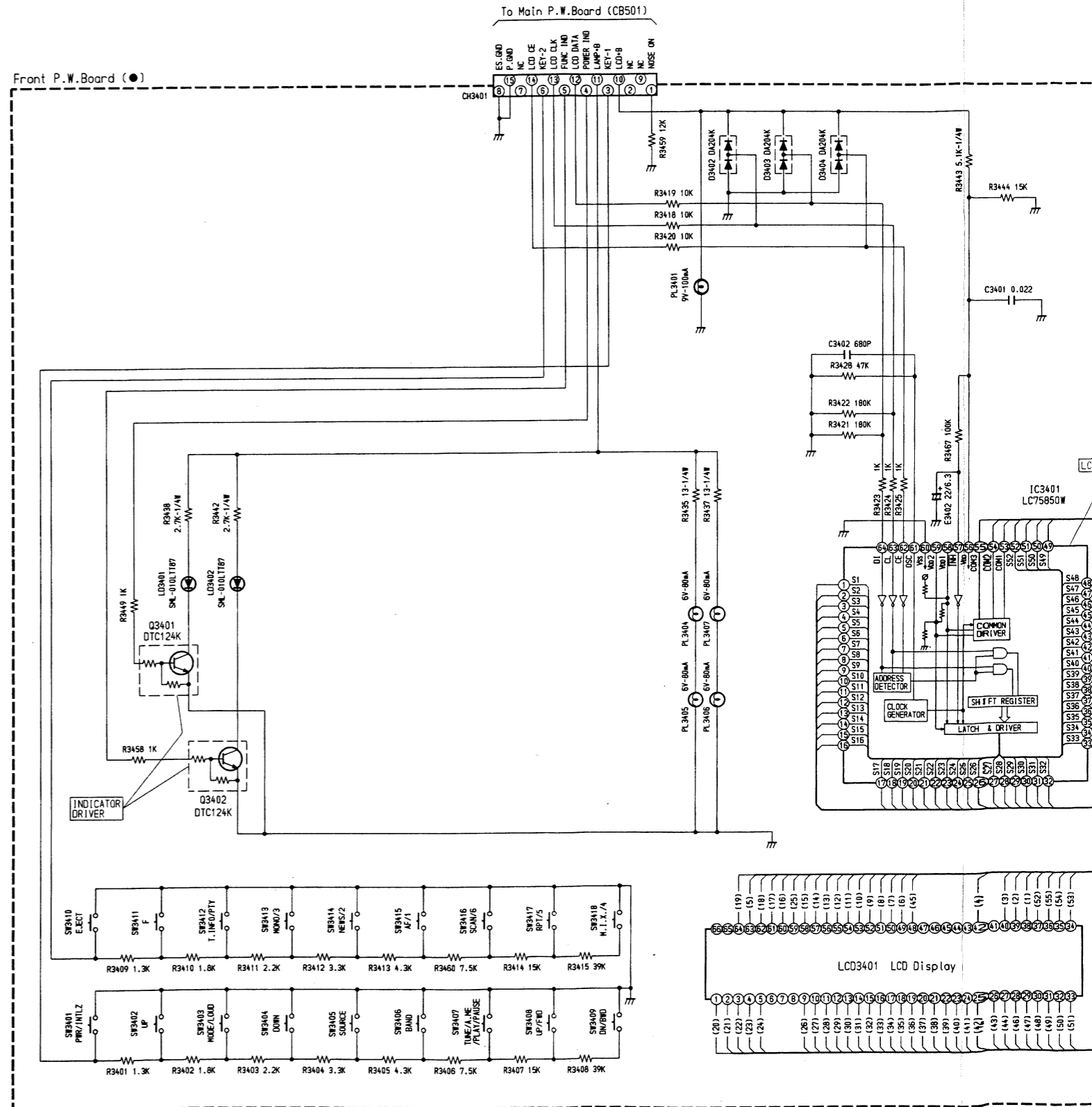
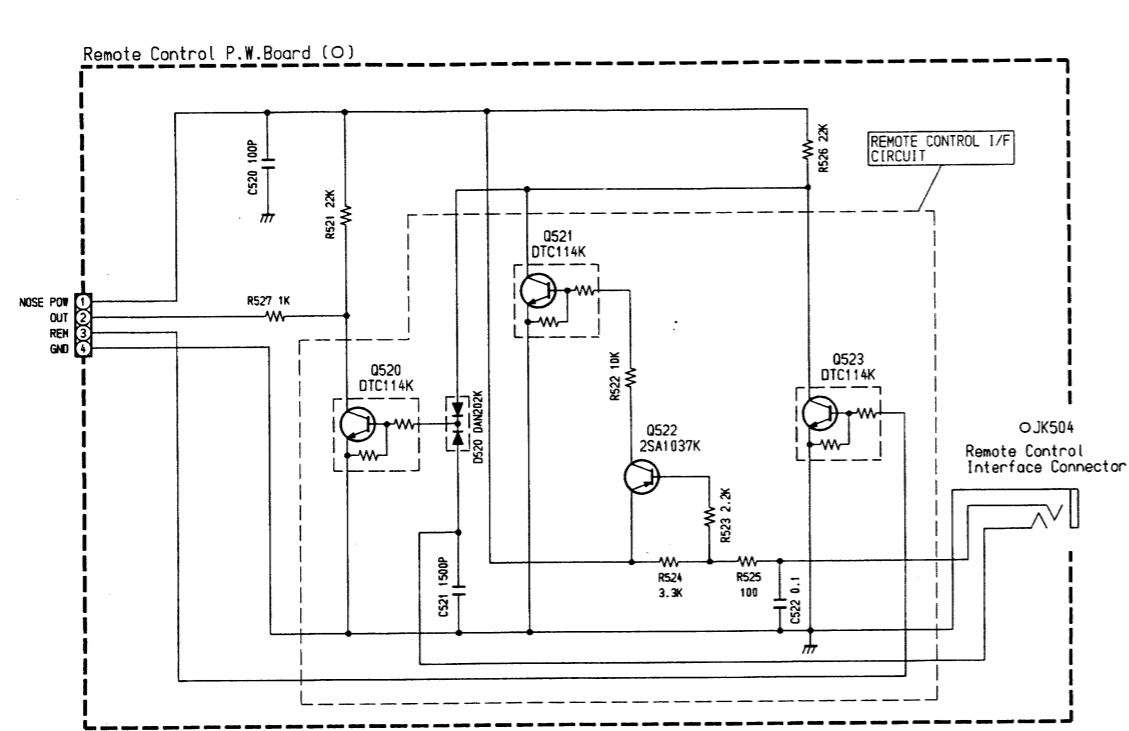
Front P.W. Board (O)



1
2
3
4
5

Schematic Diagram (4/5)

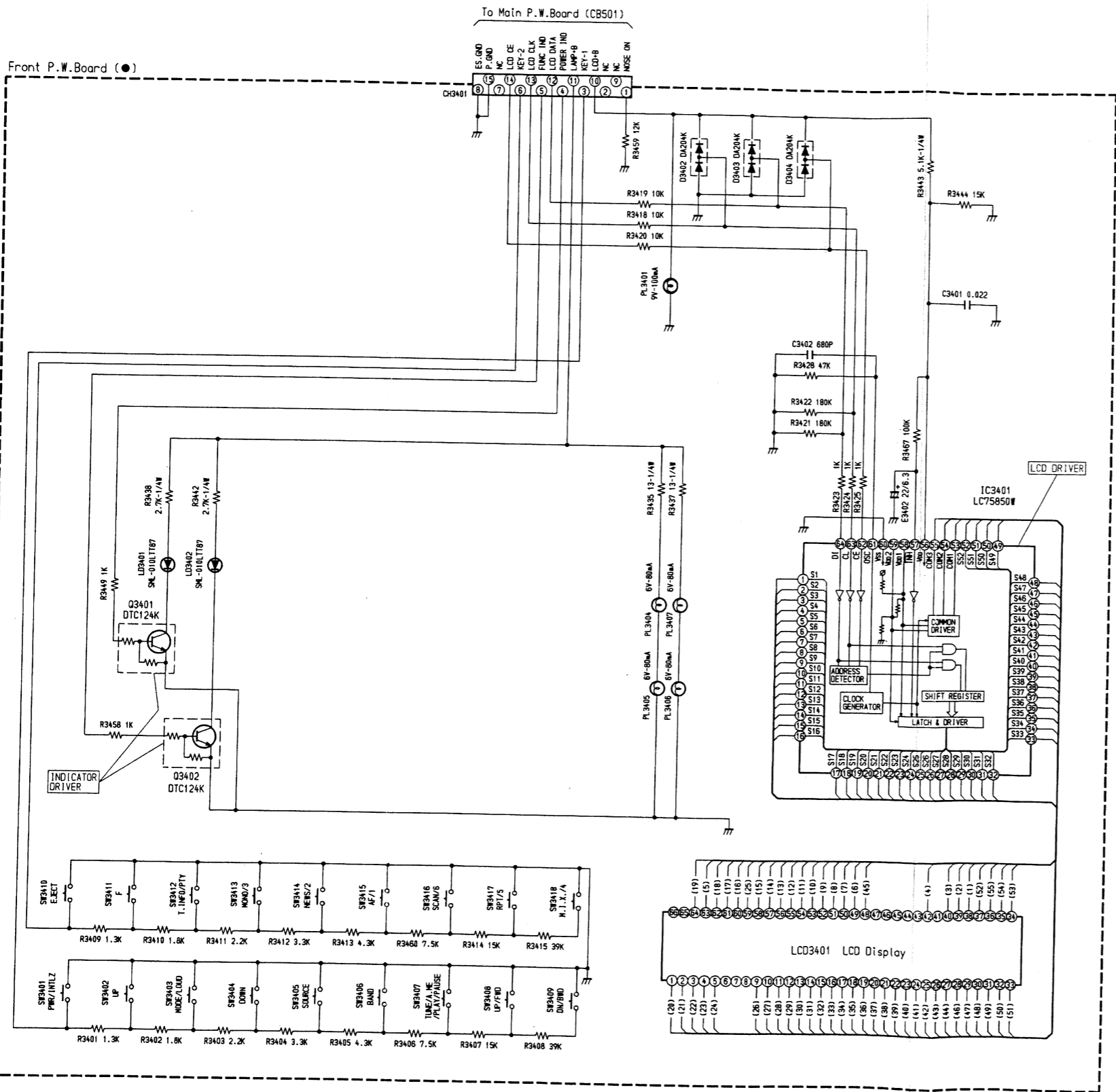
IC	0520	0521	0522	0523	03401	03402	IC3401
Transistor (Q)							



1
2
3
4
5

Q3401 Q3402

IC3401



● IC3401

1-55	PS
56	5.44V
57	4.98V
58, 59	NC
60	0V
61-64	PS

	E	C	B
○Q520	0V	PS	PS
○Q521	0V	0V	2.79V
○Q522	5.13V	5.11V	4.5V
○Q523	0V	0V	PS
●Q3401	0V	0.26V	3.72V
●Q3402	0V	0.25V	4.84V

[Measuring Conditions]

- Power Supply Voltage : DC14.4V
- Measuring Meter : Digital Multi Voltmeter
- Measuring Point Reference : Between GND
- Measuring Conditions : Power ON
FM : 98.1MHz
No Modulation

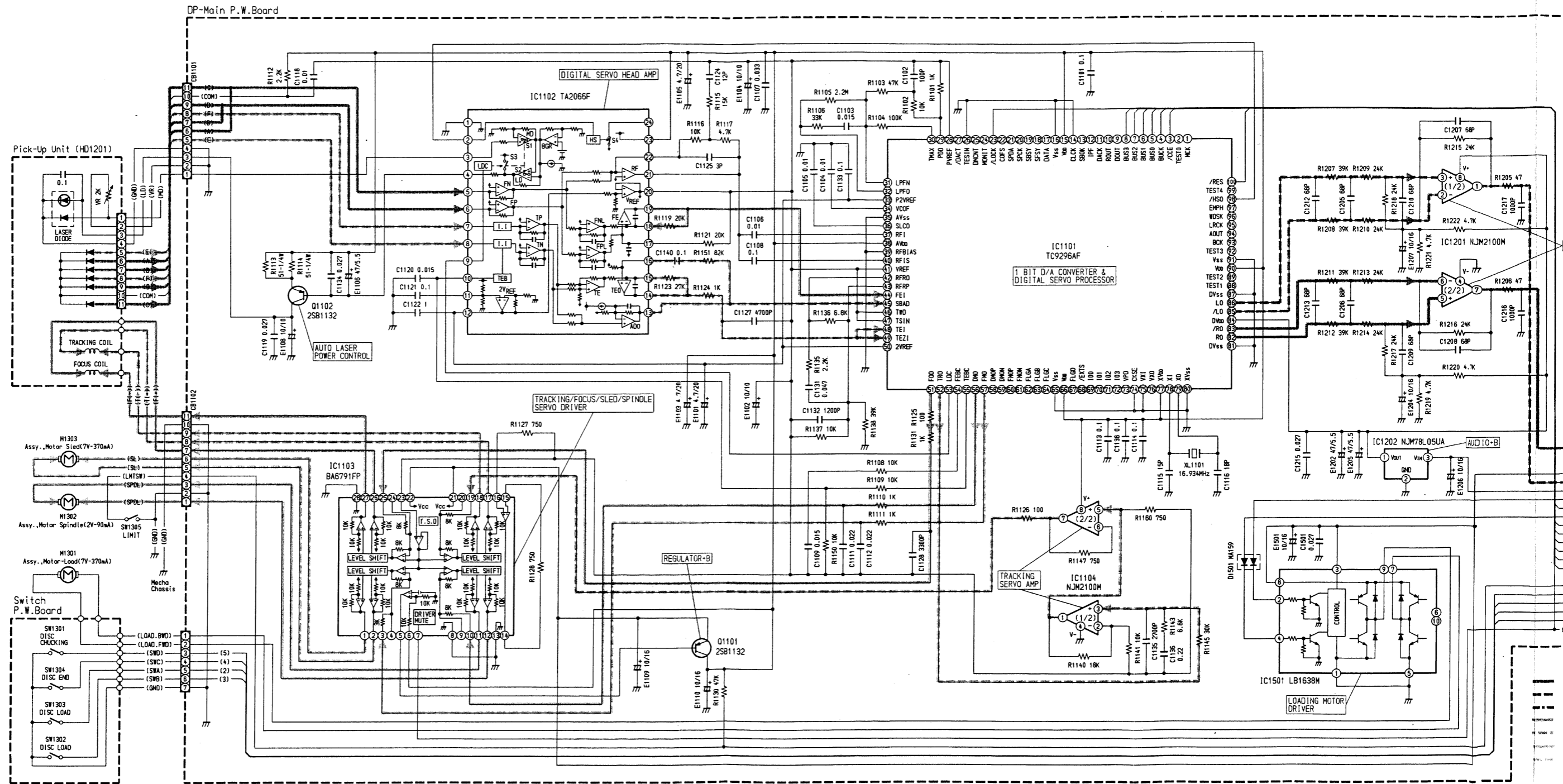
NOTE : ○ : For CDM-7837R Model Only,
● : For CDM-7834R Model Only,
Others : Common.

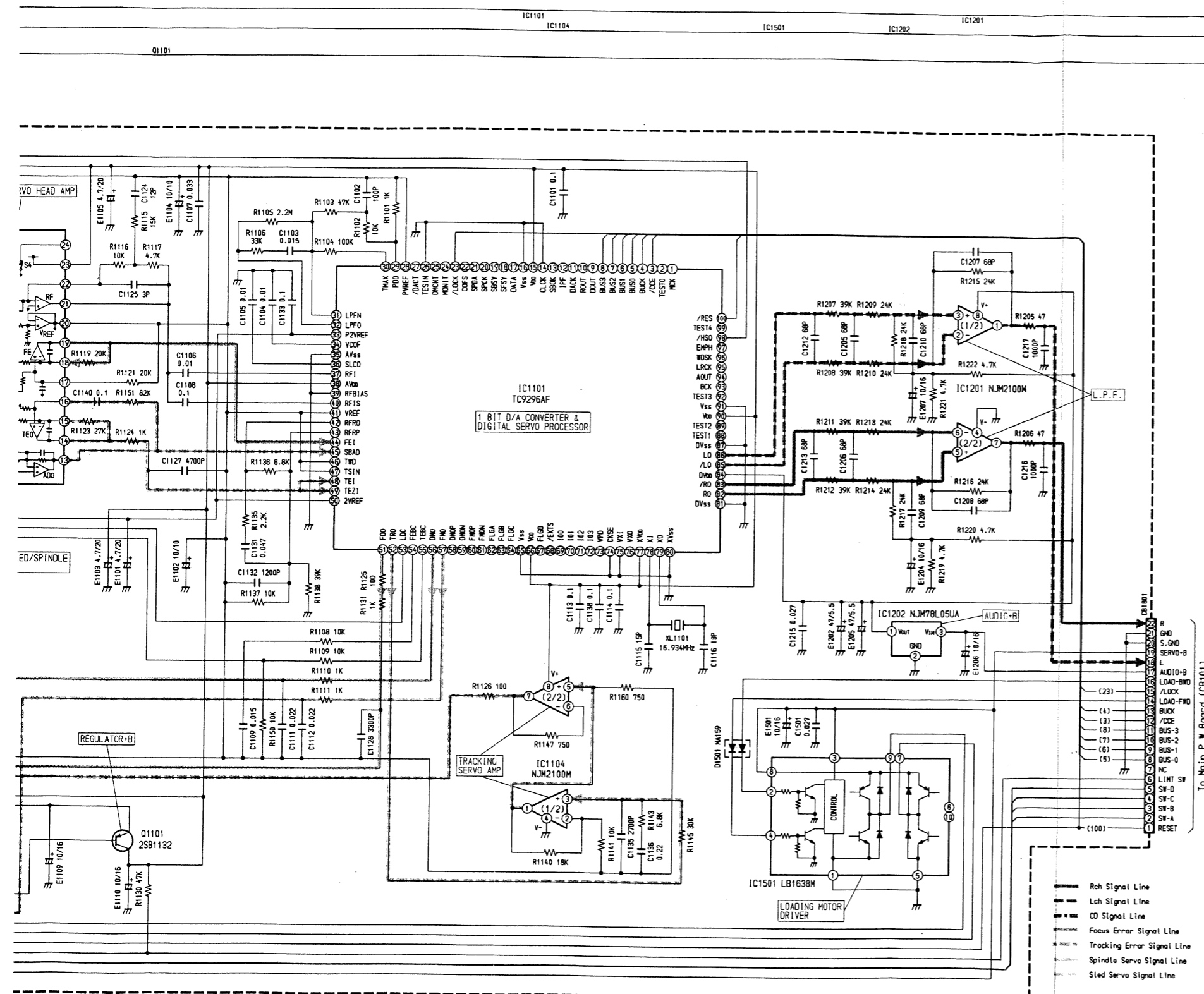
NOTE:

1. All resistance values are in ohms. K = 1,000
2. All capacitance values are in microfarads. P = $\frac{1}{1,000,000}$

Schematic Diagram (5/5)

IC	IC1103	IC1102	IC1101	IC1104	IC1501	IC1202	IC1201
Transistor (Q)	Q1102		Q1101				





IC1101

1, 2	NC	33	4.3V	50	4.3V	82, 83	2.5V
3-9	PS	34	1.2V	51	2.1V	84	5V
10-13	NC	35	0V	52	2.2V	85, 86	2.5V
14	0V	36	2.2V	53	5V	87	0V
15	5V	37	0V	54-57	PS	88, 89	NC
16	0V	38	5V	58-64	NC	90	5V
17-22	NC	39	0V	65	0V	91	0V
23	0V	40	PS	66	5V	92-97	NC
24, 25	NC	41	2.2V	67-73	NC	98	5V
26	0V	42	3.6V	74, 75	0V	99	NC
27	NC	43	2.8V	76	NC	100	5V
28	2.1V	44	2.2V	77	5V		
29	PS	45	0V	78, 79	PS		
30-32	2.1V	46-49	2.2V	80, 81	0V		

IC1102

1	0V	13	2.7V
2	5V	14	2.2V
3	0.2V	15	2.2V
4	3.3V	16	2.2V
5	2.2V	17	2.4V
6	2.2V	18	2.4V
7	2V	19	2.3V
8	2V	20	2.2V
9	5V	21	PS
10	2.2V	22	2.2V
11	2.2V	23	5V
12	4.3V	24	NC

IC1103

1	3.3V	15	2.2V
2	3V	16	2.2V
3	2.2V	17	3.2V
4	NC	18	2.2V
5	5.5V	19	2.2V
6	5V	20	NC
7	6.3V	21	6.3V
8	0V	22	6.3V
9	NC	23	2.2V
10	2.3V	24	NC
11	3.5V	25	2.1V
12	2.9V	26	3V
13	0V	27	3.5V
14	2.2V	28	0V

IC1104

1	2.2V
2	2.2V
3	2.2V
4	0V
5	2.2V
6	2.2V
7	2.2V
8	5V

IC1201

1	2.5V
2	2.5V
3	2.5V
4	0V
5	2.5V
6	2.5V
7	2.5V
8	5V

IC1202

1	5V
2	0V
3	8.8V

IC1501

1	0V
2	0V
3	6.3V
4	0V
5	0V
6	NC
7	0V
8	6.3V
9	0V
10	NC

	E	C	B
Q1101	6.3V	5V	5.5V
Q1102	3.9V	1.8V	3.2V

[Measuring Conditions]

- Power Supply Voltage : DC14.4V
- Measuring Meter : Digital Multi Voltmeter
- Measuring Point Reference : Between Ground
- Measuring Conditions : CD : Be playing back the 2nd Music of the test CD (YEDS-18)

NOTE:

- All resistance values are in ohms. K = 1,000
- All capacitance values are in microfarads. P = $\frac{1}{1,000,000}$

Description of IC Terminal

15160Y01 : IC601

No.	Symbol	I/O	Terminal Description
1	AD-1	I	Key-1 Input Terminal.
2	AD-2	I	Key-2 Input Terminal.
3	SD/ST	I	FM Stereo Signal / SD Signal Input Terminal. (L : Receiving ST, H : Station ON)
4	GND	—	GND Connection Terminal.
5	INTLZ	I	INTLZ Action Cancellation Signal Input Terminal.
6	NC	—	No Connection Terminal.
7	AVREF	—	D/A Converter Reference Voltage Input Terminal.
8	RXD	I	RDS Monitor Input Terminal.
9	TXD	O	RDS Monitor Output Terminal.
10	AMB/GRN	O	Orange / Green Lighting Select Switching Terminal. (H : Orange)
11	LED IND	O	Active Indicator ON Control Terminal.
12	LCD DATA	O	Serial Data Signal Output Terminal to LCD Driver (LC75850W).
13	FUNCTION	O	Function LED ON Control Terminal.
14	LCD CL	O	Communication Sync. Signal Output Terminal to LCD Driver (LC75850W).
15	NC	—	No Connection Terminal.
16	LCD CE	O	CE Signal Output Terminal to LCD Driver (LC75850W).
17	I2C CLK	O	Serial Clock Output Terminal to RDS Decoder.
18	I2C DATA	I/O	Serial Data Input/Output Terminal to RDS Decoder.
19	CD CE	O	Latch Output Terminal for CD Auto Adjustment Monitor.
20	CD CLK	O	Clock Output Terminal for CD Auto Adjustment Monitor.
21	CD DATA	O	Data Output Terminal for CD Auto Adjustment Monitor.
22	NC	—	No Connection Terminal.
23	L-CONT	O	Power Control Output Terminal of Disc Detection.
24	V-CONT	O	CD Power Control Terminal.
25	LOAD FWD	O	Loading Motor Forward Driving Signal Output Terminal.
26	LOAD BWD	O	Loading Motor Backward Driving Signal Output Terminal.
27	SW-2	I	Disc Insert Detection Signal Input Terminal (2).
28	SW-4	I	Disc Chucking Position Detection Signal Input Terminal.
29	SW-3	I	Eject End Detection Signal Input Terminal.
30	SELECT 1	I	Function Set Up Terminal (1). (N.F.P. / Remote Control ON / OFF)
31	SELECT 2	I	Function Set Up Terminal (1). (2 Lit ON / OFF)
32	SW-1	I	Disc Insert Detection Signal Input Terminal (1).
33	GND	—	GND Connection Terminal.
34	LIMIT-SW	I	Inside Limit Detection Signal Input Terminal.
35	LSI-RST	O	System Reset Output Terminal to Digital Servo IC (TC9296AF).
36	BUS-0	I/O	Communication Input/Output Terminal to CD Signal Processor IC.
37	BUS-1		
38	BUS-2		
39	BUS-3		
40	BUCK	O	Communication Output Terminal to CD Signal Processor IC.

No.	Symbol	I/O	Terminal Description
41	CCE	O	Communication Output Terminal to CD Signal Processor IC.
42	LOCK	I	Lock Status Input Terminal.
43	AM SD	I	SD Input Terminal. (H : Station ON)
44	PLL CE	O	Data Signal Control Output Terminal to PLL IC (LC72191JM).
45	PLL DI	O	Serial Data Signal Control Output Terminal to PLL IC (LC72191JM).
46	PLL CLK	O	Communication Sync. Signal Control Output Terminal to PLL IC (LC72191JM).
47	PLL DO	I	Serial Data Signal Control Input Terminal from PLL IC (LC72191JM).
48	DAVN	I	RDS Data Available Input Terminal.
49	FM MONO	I/O	FM Mono ON / OFF Signal Input / Output Terminal. (H : Mono ON)
50	MUTE	O	Audio Mute Signal Output Terminal.
51	○ IN-INT	I	IN-Interrupt Input Terminal.
	● NC	—	No Connection Terminal.
52	IF-MUTE	O	IF-Mute Control Terminal.
53	EV CLK	O	Serial Clock Signal Output Terminal to Electrical Volume (TEA6320T).
54	EV DATA	O	Serial Data Signal Output Terminal to Electrical Volume (TEA6320T).
55	SELECT 3	I	Function Set Up Terminal (3). (CHG ON / OFF)
56	SELECT 4	I	Function Set Up Terminal (3). (N.F.P. Specification-H : 2 Pre Output)
57	POWER ON	O	Audio and Key Lighting Power Control Signal Output Terminal.
58	○ NOSE PWR	O	LCD Driver Power Control Output Terminal.
	● NC	—	No Connection Terminal.
59	POWER IC ON	O	Power IC Stand-by Control Signal Output Terminal.
60	RESET	I	System Reset Signal Input Terminal.
61	○ REMOCON	I	Remote Control Data Signal Input Terminal.
	● PULL-DOWN	—	Pull-Down Connection Terminal.
62	B-HOLD	I	Battery Detection Signal Input Terminal.
63	A-HOLD	I	ACC Detection Signal Input Terminal.
64	BUS-IN	I	Mini BUS Data Signal Input Terminal.
65	BUS-OUT	O	Mini BUS Data Signal Output Terminal.
66	○ NFP 2	O	Fader Output Control Terminal at N.F.P.
	● NC	—	No Connection Terminal.
67	○ NFP 1	O	Fader Output Control Terminal at N.F.P.
	● NC	—	No Connection Terminal.
68	V _{DD}	—	Power Supply Connection Terminal.
69	X2	—	System Clock OSC Circuit Connection Terminal.
70	X1		
71	GND	—	GND Connection Terminal.
72	NC	—	No Connection Terminal.
73	PULL-DOWN	—	Pull-Down Connection Terminal.
74	AV _{DD}	—	A/D, D/A Converter Analog Power Input Terminal. (Connection V _{DD})
75	AVREF	—	A/D Converter Reference Voltage Input Terminal.

No.	Symbol	I/O	Terminal Description
76	M / P	I	Multi Path Rejection Input Terminal.
77	NC	—	No Connection Terminal.
78	S-METER	I	Signal -Meter Signal Input Terminal.
79	T-SENS	I	Temperature Sensor Signal Input Terminal.
80	NOSE ON	I	Front Panel Detection Signal Input Terminal.

NOTE : ○ : For CDM-7837R Model Only, ● : For CDM-7834R Model Only, Others : Common.

Electrical Parts List

Resistor : Carbon resistors under 1/4 watts are not mentioned in the parts list, please confirm them by schematic diagram.

Capacitor : μ F=microfarads, pF=picofarads

Abbreviations			Symbol No.	Part No.	Description
RES.= Resistor	CAP.= Capacitor		○ Q291	48T62967F33	CP., DTC343TK
C.F.= Carbon Film	ELY.= Electrolytic		○ Q292	48T62967F33	CP., DTC343TK
M.F.= Metal Film	CER.= Ceramic		○ Q293	48T62967F33	CP., DTC343TK
M.O.= Metal Oxide Film	MYL.= Mylar		○ Q294	48T73888F08	CP., FMG1
M.P.= Metal Plate	TAN.= Tantalum		Q501	48T62967F03	CP., DTC124K
TR. = Transistor	POLY.= Polystyrol		Q502	48T62966F03	CP., DTA124
TRANS.= Transformer	PP. = Polypropylene		Q503	48T62967F03	CP., DTC124K
CP. = Chip	PLT.= Polyethylene		Q605	48T73888F12	CP., FMC2
	PF. = Polyester Film		Q606	48T73888F12	CP., FMC2
			○ Q607	48T73888F12	CP., FMC2
Symbol No.	Part No.	Description			
Main P.W.Board					
IC's					
○ IC001	51T40941U02	MC14066BFEL	Q701	48T84366F01	2SB1243
IC002	51T15605Y01	NJM2130F	Q702	48T62967F05	CP., DTC143XK
IC003	51T93333F01	NJM2904M	Q802	48T93828F01	2SD1994A
IC004	51T85265W02	LC72191JM	○ Q803	48T93828F01	2SD1994A
IC005	51T15132Y01	SAA6588T	Q804	48T62967F05	CP., DTC143XK
IC201	51T65131W01	TEA6320T	Q805	48T84366F01	2SB1243
IC202	51T65379F21	XRA4558F	Q806	48T62966F03	CP., DTA124
○ IC203	51T65379F21	XRA4558F	Q807	48T62967F09	CP., DTC114TK
○ IC205	51T40941U03	MC14066BFL1	Q808	48T73888F12	CP., FMC2
IC241	51T65379F21	XRA4558F	Q809	48T63420F01	CP., 2SA1037K
○ IC301	51T15021Y01	TDA7386	Q810	48T62967F03	CP., DTC124K
● IC301	51T85153W01	TDA7384	Q811	48T84366F01	2SB1243
IC601	51T15160Y01	15160Y01	Q812	48T62967F02	CP., DTC114K
IC602	51T95014F13	S-8052HNM-CR	Q817	48T93828F01	2SD1994A
IC701	51T75191W05	AN7707F	Q851	48T62967F03	CP., DTC124K
IC801	51T95563W01	S-80744HL	○ Q852	48T62966F01	CP., DTA143
Transistors					
Q001	48T73888F12	CP., FMC2	D001	48T63462F01	CP., DAN202K
Q002	48T62966F03	CP., DTA124	D501	48T68828F01	1SS133
Q003	48T62967F03	CP., DTC124K	D603	48T68828F01	1SS133
Q004	48T84234F03	2SB1238	D801	48T68580F03	DSA3A4
Q005	48T73888F08	CP., FMG1	D802	48T85357W01	CP., 1PS226
Q007	48T62967F03	CP., DTC124K	D803	48T68828F01	1SS133
Q008	48T62967F03	CP., DTC124K	D806	48T68828F01	1SS133
Q009	48T73888F12	CP., FMC2	D807	48T85270W01	MPG06G
Q010	48T62967F03	CP., DTC124K	D808	48T63462F01	CP., DAN202K
Q011	48T62967F22	CP., DTC144TK	○ D809	48T63462F01	CP., DAN202K
Q012	48T62967F22	CP., DTC144TK	ZD201	48T83128F25	Zener, HZS9C1L
Q013	48T73888F12	CP., FMC2	ZD801	48T83128F25	Zener, HZS9C1L
Q201	48T93828F01	2SD1994A	ZD802	48T83128F13	Zener, HZS7B1L
Q202	48T93828F01	2SD1994A	ZD804	48T83128F04	Zener, HZS6B1L
Q290	48T62967F33	CP., DTC343TK			
Diodes					

NOTE : ○ : For CDM-7837R Model Only, ● : For CDM-7834R Model Only, Others : Common.

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
Coils			E005	23S82372F19	ELY., (B.P) 2.2 μ F / 50V
	L001	24T16403W29 Inductor, CP. 15 μ H	C006	08S82122F19	CP., 18pF
	L002	24T70381F17 Inductor, 4.7 μ H	E006	23S75372W16	ELY., 2.2 μ F / 50V
	L004	24T65110W04 Inductor, CP. 0.1 μ H	C007	08S82122F21	CP., 22pF
○	L009	24T94308F01 Inductor, 100mH	E007	23S75372W13	ELY., 0.47 μ F / 50V
	L601	24T65110W16 Inductor, CP. 1 μ H	C008	08S82122F43	CP., 180pF
	L602	24T65110W16 Inductor, CP. 1 μ H	E008	23S75372W13	ELY., 0.47 μ F / 50V
	L801	24T75055W09 Choke	E009	23S75372W13	ELY., 0.47 μ F / 50V
Crystals			C010	08S65128F78	CP., 0.022 μ F
	XL001	91T85169W43 7.2MHz	C011	08S65128F78	CP., 0.022 μ F
	XL002	91T85169W18 4.332MHz	E011	23S75372W10	ELY., 0.1 μ F / 50V
	XL601	91T85169W27 4.9152MHz	C012	08S65480F49	CER., 1000pF
Filters			E012	23S75372W04	ELY., 10 μ F / 16V
	LPF001	91T75257W02 LPF, LPF11830KH	C013	08S65128F68	CP., 8200pF
	Z003	91T65112W06 CP., BK2125HM102	E013	23S75372W14	ELY., 0.68 μ F / 50V
	Z005	91T65112W06 CP., BK2125HM102	C014	08S65128F78	CP., 0.022 μ F
Surge Protector			E014	23S75372W14	ELY., 0.68 μ F / 50V
	DSP001	48T81909F01 DSP-201M	C015	08S65128F57	CP., 1000pF
Switch			E015	23S75372W11	ELY., 0.22 μ F / 50V
	SW802	40T16096W03 Tact, SKHHLW (RESET)	C016	08S65128F57	CP., 1000pF
Thermistor			C017	08S82122F37	CP., 100pF
	TH618	48T93439F06 100K ohm	C018	08S65128F78	CP., 0.022 μ F
Capacitors			C019	08S82122F37	CP., 100pF
	C001	08S65128F57 CP., 1000pF	C020	08S65128F69	CP., 0.01 μ F
	C002	08T15399W04 CP., 0.027 μ F	C021	08S65128F69	CP., 0.01 μ F
	E002	23S75372W08 ELY., 100 μ F / 16V	C022	08T55390W29	TF, 0.1 μ F
	C003	08S65128F69 CP., 0.01 μ F	C023	08T55390W25	TF, 0.047 μ F
	E003	23S75372W02 ELY., 100 μ F / 10V	C025	08S35374W01	CP., 0.1 μ F
	C004	08S82122F43 CP., 180pF	C026	08S72783F23	CP., 100pF
	E004	23S75372W05 ELY., 22 μ F / 16V	C027	08S72783F29	CP., 330pF
	C005	08S65128F57 CP., 1000pF	C028	08S65128F78	CP., 0.022 μ F
			C029	08S82122F55	CP., 560pF
			C030	08S53332F39	CP., 2200pF
			C031	08S35374W01	CP., 0.1 μ F
			C037	08S82122F37	CP., 100pF
			C039	08S35374W01	CP., 0.1 μ F
			C040	08S82122F23	CP., 27 μ F
			C041	08S82122F25	CP., 33pF
			C045	08S65128F69	CP., 0.01 μ F
			C050	08S82122F37	CP., 100pF
			C051	08S82122F37	CP., 100pF
			E201	23S75372W17	ELY., 3.3 μ F / 50V
			E202	23S75372W02	ELY., 100 μ F / 10V
			C203	08S65128F66	CP., 5600pF
			E203	23S75372W14	ELY., 0.68 μ F / 50V
			C204	08S65128F66	CP., 5600pF
			E204	23S75372W14	ELY., 0.68 μ F / 50V
			C205	08T15399W02	CP., 0.033 μ F
			C206	08T15399W02	CP., 0.033 μ F

NOTE : ○ : For CDM-7837R Model Only, ● : For CDM-7834R Model Only, Others : Common.

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
E206	23S75372W08	ELY., 100µF / 16V	E802	23S75372W06	ELY., 33µF / 16V
E207	23S75372W07	ELY., 47µF / 16V	○ C803	08T15399W04	CP., 0.027µF
E208	23S75372W06	ELY., 33µF / 16V	E803	23S75372W10	ELY., 0.1µF / 50V
C211	08S65128F69	CP., 0.01µF	C804	08T15399W03	CP., 0.047µF
E233	23S75372W04	ELY., 10µF / 16V	E805	23S75372W04	ELY., 10µF / 16V
E234	23S75372W04	ELY., 10µF / 16V	E806	23S75372W06	ELY., 33µF / 16V
○ E236	23S75372W04	ELY., 10µF / 16V	E807	23S75372W07	ELY., 47µF / 16V
○ E237	23S75372W04	ELY., 10µF / 16V	(All resistors are chip 1/10W±5% unless otherwise noted.)		
E239	23S75372W04	ELY., 10µF / 16V	Resistors		
C240	08S82122F37	CP., 100pF	R001	06S64995F53	1K ohm
E240	23S75372W04	ELY., 10µF / 16V	R002	06S70072F29	100 ohm 1/4W
E241	23S75372W04	ELY., 10µF / 16V	R003	06S53330F85	22K ohm 1/8W
E242	23S75372W04	ELY., 10µF / 16V	R004	06S64995F93	47K ohm
E243	23S75372W04	ELY., 10µF / 16V	R005	06S53330F85	22K ohm 1/8W
○ E266	23S75372W16	ELY., 2.2µF / 50V	R006	06S70072F69	4.7K ohm 1/4W
E301	23T95115W01	ELY., 0.33µF / 50V	R007	06S70072F53	1K ohm 1/4W
E302	23T95115W01	ELY., 0.33µF / 50V	R008	06S64995F53	1K ohm
E303	23T95115W01	ELY., 0.33µF / 50V	R009	06S64995F61	2.2K ohm
E304	23T95115W01	ELY., 0.33µF / 50V	R010	06S70072F77	10K ohm
E305	23T95115W02	ELY., 1µF / 50V	R012	06S64995F61	2.2K ohm
E306	23S75372W05	ELY., 22µF / 16V	R013	06S64995F53	1K ohm
E307	23T95115W02	ELY., 1µF / 50V	R014	06S64995F85	22K ohm
E308	23S75372W04	ELY., 10µF / 16V	R015	06S64995F93	47K ohm
C501	08S82122F49	CP., 330pF	R017	06S64995F77	10K ohm
C502	08T15399W04	CP., 0.027µF	R018	06S64995F89	33K ohm
C601	08T15399W04	CP., 0.027µF	R020	06S64995F77	10K ohm
E601	23S75372W04	ELY., 10µF / 16V	R022	06S70072F77	10K ohm 1/4W
C602	08S82122F19	CP., 18pF	R029	06S70072F71	5.6K ohm 1/4W
E602	23S75372W03	ELY., 220µF / 10V	R030	06S70072F71	5.6K ohm 1/4W
C603	08S82122F19	CP., 18pF	R031	06S64995F93	47K ohm
C604	08S82122F43	CP., 180pF	R032	06S64995F93	47K ohm
C605	08S82122F43	CP., 180pF	R033	06S64995F77	10K ohm
C606	08S82122F37	CP., 100pF	R034	06S64995F91	39K ohm
C607	08S82122F37	CP., 100pF	R035	06S64995F69	4.7K ohm
C608	08T15399W04	CP., 0.027µF	R036	06S64995F94	51K ohm
C609	08S82122F37	CP., 100pF	R037	06S64995F90	36K ohm
C610	08S72783F23	CP., 100pF	R038	06S64995F81	15K ohm
C611	08S65128F57	CP., 1000pF	R040	06S64995F05	10 ohm
C612	08S82122F43	CP., 180pF	R041	06S64995F69	4.7K ohm
C615	08S82122F43	CP., 180pF	R042	06S64995F64	3K ohm
C616	08S82122F37	CP., 100pF	R044	06S64995F77	10K ohm
C640	08S82122F37	CP., 100pF	R046	06S64995F39	270 ohm
E701	23S75372W06	ELY., 33µF / 16V	R047	06S64995F39	270 ohm
C702	08T15399W04	CP., 0.027µF	R048	06S64995F53	1K ohm
E702	23T55378W03	ELY., 470µF / 10V	R049	06S70072F01	4.7 ohm 1/4W
C703	08T15399W04	CP., 0.027µF	R050	06S64995F61	2.2K ohm
C801	08T15399W04	CP., 0.027µF	R052	06S64996F18	470K ohm
E801	23T75346W03	ELY., 3300µF / 16V			
C802	08T55390W34	TF, 0.27µF			

NOTE : ○ : For CDM-7837R Model Only, ● : For CDM-7834R Model Only, Others : Common.

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
R053	06S70072F53	1K ohm 1/4W	R608	06S64995F53	1K ohm
R054	06S64995F77	10K ohm	R609	06S64995F85	22K ohm
R056	06S64995F53	1K ohm	R610	06S70072F53	1K ohm 1/4W
R201	06S70072F78	2.2 ohm 1/4W	R611	06S64995F53	1K ohm
R202	06S70072F78	2.2 ohm 1/4W	○ R612	06S64995F53	1K ohm
R203	06S64995F62	2.4K ohm	R613	06S64995F53	1K ohm
R204	06S64995F62	2.4K ohm	R614	06S64995F77	10K ohm
R205	06S64995F61	2.2K ohm	R615	06S70072F77	10K ohm 1/4W
R206	06S64995F61	2.2K ohm	R616	06S70072F77	10K ohm 1/4W
R207	06S70072F53	1K ohm 1/4W	R618	06S64995F85	22K ohm
R208	06S64995F53	1K ohm	R619	06S64995F77	10K ohm
R223	06S64995F50	750 ohm	R620	06S64995F61	2.2K ohm
R232	06S64995F71	5.6K ohm	R621	06S64995F53	1K ohm
R233	06S64995F85	22K ohm	R622	06S64995F53	1K ohm
R234	06S64995F85	22K ohm	R623	06S70072F53	1K ohm 1/4W
R241	06S64995F85	22K ohm	R624	06S70072F53	1K ohm 1/4W
R242	06S64995F85	22K ohm	R630	06S64995F85	22K ohm
R243	06S64995F85	22K ohm	R631	06S64995F85	22K ohm
R244	06S64995F85	22K ohm	R632	06S64995F93	47K ohm
R245	06S64995F76	9.1K ohm	R634	06S64995F53	1K ohm
R246	06S64995F76	9.1K ohm	R635	06S64995F53	1K ohm
R247	06S64995F76	9.1K ohm	R642	06S64996F02	100K ohm
R248	06S64995F76	9.1K ohm	R654	06S53331F18	470K ohm 1/8W
R269	06S64995F33	150 ohm	R655	06S64996F18	470K ohm
R270	06S64995F33	150 ohm	○ R656	06S64995F85	22K ohm
○ R271	06S64995F37	220 ohm	● R657	06S64996F02	100K ohm
○ R272	06S64995F37	220 ohm	○ R658	06S64995F85	22K ohm
R273	06S64995F87	27K ohm	● R659	06S64996F02	100K ohm
R274	06S64995F87	27K ohm	R663	06S64995F53	1K ohm
○ R275	06S64995F87	27K ohm	R667	06S64996F18	470K ohm
○ R276	06S64995F87	27K ohm	R676	06S64995F53	1K ohm
R277	06S64995F29	100 ohm	R677	06S64995F53	1K ohm
R278	06S64995F29	100 ohm	R681	06S64995F85	22K ohm
○ R279	06S64995F29	100 ohm	R683	06S64995F85	22K ohm
○ R280	06S64995F29	100 ohm	R690	06S64995F85	22K ohm
○ R294	06S64995F93	47K ohm	R691	06S64995F85	22K ohm
○ R295	06S64995F93	47K ohm	R692	06S64995F85	22K ohm
○ R299	06S70072F78	2.2 ohm 1/4W	R693	06S64995F85	22K ohm
R301	06S64995F77	10K ohm	R701	06S70072F59	1.8K ohm 1/4W
R302	06S70072F37	220 ohm 1/4W	R702	06S70072F59	1.8K ohm 1/4W
R502	06S53330F85	22K ohm 1/8W	R703	06S70072F59	1.8K ohm 1/4W
R503	06S53330F85	22K ohm 1/8W	R704	06S70072F59	1.8K ohm 1/4W
R601	06S64995F93	47K ohm	R705	06S70072F77	10K ohm 1/4W
R602	06S64996F18	470K ohm	R801	06S70072F45	470 ohm 1/4W
R603	06S64996F02	100K ohm	R803	06S70072F59	1.8K ohm 1/4W
R604	06S64995F63	2.7K ohm	R804	06S70072F59	1.8K ohm 1/4W
R605	06S64995F69	4.7K ohm	R805	06S53330F77	10K ohm 1/8W
R606	06S64995F85	22K ohm	R806	06S70072F69	4.7K ohm 1/4W
R607	06S64995F53	1K ohm	○ R807	06S53330F69	4.7K ohm 1/8W

NOTE : ○ : For CDM-7837R Model Only, ● : For CDM-7834R Model Only, Others : Common.

Symbol No.	Part No.	Description
● R807	06S70072F69	4.7K ohm 1/4W
R808	06S64995F81	15K ohm
R809	06S64995F77	10K ohm
R810	06S64996F02	100K ohm
R811	06S70072F04	8.2 ohm 1/4W
R812	06S70072F04	8.2 ohm 1/4W
R813	06S70072F04	8.2 ohm 1/4W
R814	06S64995F77	10K ohm
R815	06S70072F61	2.2K ohm 1/4W
R816	06S70072F77	10K ohm 1/4W
R817	06S64995F77	10K ohm
R818	06S64995F77	10K ohm
R819	06S70072F59	1.8K ohm 1/4W
○ R820	06S64995F77	10K ohm
R822	06S70072F53	1K ohm 1/4W
R824	06S70072F69	4.7K ohm 1/4W
R825	06S70072F59	1.8K ohm 1/4W
○ R829	06S70072F02	5.6 ohm 1/4W
R830	06S70072F77	10K ohm 1/4W
R831	06S70072F02	5.6 ohm 1/4W
R849	06T85397W02	M.O., 16 ohm 2W
○ R850	06S70072F89	9.1 ohm 1/4W
○ R851	06S70072F89	9.1 ohm 1/4W
○ R852	06S70072F89	9.1 ohm 1/4W
○ R853	06S70072F89	9.1 ohm 1/4W
R854	06S70072F59	1.8K ohm 1/4W
R855	06S70072F59	1.8K ohm 1/4W
R856	06S70072F04	8.2 ohm 1/4W
R857	06S64995F77	10K ohm
R858	06S64995F93	47K ohm
Front P.W.Board (○)		
IC's		
IC401	51T55492W01	LC75850W
IC402	51T95040W01	SBX8035F
Transistors		
Q401	48T62967F03	CP., DTC124K
Q402	48T62967F03	CP., DTC124K
Q403	48T63461F01	CP., 2SC2411K
Q404	48T63461F01	CP., 2SC2411K
Q405	48T63461F01	CP., 2SC2411K
Q406	48T63461F01	CP., 2SC2411K

Symbol No.	Part No.	Description
Q407	48T73888F12	CP., FMC2
Q408	48T63461F01	CP., 2SC2411K
Diodes		
D402	48T64134F01	CP., DA204K
D403	48T64134F01	CP., DA204K
D404	48T64134F01	CP., DA204K
Lamps		
PL401	65T85125W06	9V-100mA
PL404	65T85350W01	6V-80mA
PL405	65T85350W01	6V-80mA
PL406	65T85350W01	6V-80mA
PL407	65T85350W01	6V-80mA
PL408	65T75233W02	CP., 6V-80mA
PL409	65T85125W06	9V-100mA
PL410	65T75233W10	CP., 6V-80mA
PL411	65T75233W10	CP., 6V-80mA
LED's		
LD401	48T65477W02	CP., SML-010LTT87 (RED)
LD403	48T65477W02	CP., SML-010LTT87 (RED)
LD404	48T65477W05	CP., SML-010DTT87 (ORG)
LD405	48T65477W05	CP., SML-010DTT87 (ORG)
LD406	48T65477W05	CP., SML-010DTT87 (ORG)
LD408	48T65477W05	CP., SML-010DTT87 (ORG)
LD409	48T65477W05	CP., SML-010DTT87 (ORG)
LD410	48T65477W05	CP., SML-010DTT87 (ORG)
LD411	48T65477W05	CP., SML-010DTT87 (ORG)
LD412	48T65477W05	CP., SML-010DTT87 (ORG)
LD413	48T65477W05	CP., SML-010DTT87 (ORG)
Switches		
SW401	40T75234W01	Tact, SKQAC (PWR / INTLZ / R.SENSOR)
SW402	40T75234W01	Tact, SKQAC (UP)
SW403	40T75234W01	Tact, SKQAC (MODE / LOUD)
SW404	40T75234W01	Tact, SKQAC (DOWN)
SW405	40T75234W01	Tact, SKQAC (SOURCE)
SW406	40T75234W01	Tact, SKQAC (BAND)
SW407	40T75234W01	Tact, SKQAC (TUNE / A.ME / PLAY / PAUSE)

NOTE : ○ : For CDM-7837R Model Only, ● : For CDM-7834R Model Only, Others : Common.

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
SW408	40T75234W01	Tact. SKQNAC (UP / FWD)	R428	06S64995F93	47K ohm
SW409	40T75234W01	Tact. SKQNAC (DN / BWD)	R438	06S70072F63	2.7K ohm 1/4W
SW410	40T75234W01	Tact. SKQNAC (EJECT)	R440	06S64995F53	1K ohm
SW411	40T55656W06	Tact. CP. SKQMAJ001 (F)	R442	06S70072F63	2.7K ohm 1/4W
SW412	40T55656W06	Tact. CP. SKQMAJ001 (T.INFO / PTY)	R443	06S64995F70	5.1K ohm
SW413	40T55656W06	Tact. CP. SKQMAJ001 (MONO / 3)	R444	06S53330F81	15K ohm 1/8W
SW414	40T55656W06	Tact. CP. SKQMAJ001 (NEWS / 2)	R449	06S64995F53	1K ohm
SW415	40T55656W06	Tact. CP. SKQMAJ001 (AF / 1)	R450	06S70072F33	150 ohm 1/4W
SW416	40T55656W06	Tact. CP. SKQMAJ001 (SCAN / 6)	R451	06S70072F33	150 ohm 1/4W
SW417	40T55656W06	Tact. CP. SKQMAJ001 (RPT / 5)	R452	06S70072F33	150 ohm 1/4W
SW418	40T55656W06	Tact. CP. SKQMAJ001 (M.I.X. / 4)	R453	06S70072F33	150 ohm 1/4W
Capacitors			R454	06S70072F33	150 ohm 1/4W
C401	08S65128F78	CP., 0.022 μ F	R455	06S70072F33	150 ohm 1/4W
C402	08S82122F57	CP., 680pF	R456	06S70072F14	24 ohm 1/4W
E402	23T25191W62	CP. ELY., 22 μ F / 6.3V	R457	06S70072F14	24 ohm 1/4W
C403	08S65128F78	CP., 0.022 μ F	R458	06S64995F53	1K ohm
Resistors			R459	06S64995F79	12K ohm
(All resistors are chip 1/10W \pm 5% unless otherwise noted.)			R460	06T15443W74	7.5K ohm
R401	06T15443W56	1.3K ohm	R461	06T15443W74	7.5K ohm
R402	06T15443W59	1.8K ohm	R462	06T15443W81	15K ohm
R403	06T15443W61	2.2K ohm	R463	06T15443W91	39K ohm
R404	06T15443W65	3.3K ohm	R464	06S70072F61	2.2K ohm 1/4W
R405	06T15443W68	4.3K ohm	R467	06S64996F02	100K ohm
R406	06T15443W56	1.3K ohm	R471	06S70072F61	2.2K ohm 1/4W
R407	06T15443W59	1.8K ohm	R473	06S70072F14	24 ohm 1/4W
R408	06T15443W61	2.2K ohm	R474	06S70072F14	24 ohm 1/4W
R409	06T15443W65	3.3K ohm	R475	06S70072F14	24 ohm 1/4W
R410	06T15443W68	4.3K ohm	R476	06S70072F12	20 ohm 1/4W
R411	06S70072F61	2.2K ohm 1/4W	R477	06S70072F12	20 ohm 1/4W
R412	06S64995F53	1K ohm	R478	06S64995F53	1K ohm
R413	06S70072F61	2.2K ohm 1/4W	Front P.W.Board (●)		
R414	06T15443W81	15K ohm	IC		
R415	06T15443W91	39K ohm	IC3401	51T55492W01	LC75850W
R416	06S70072F61	2.2K ohm 1/4W	Transistors		
R417	06S70072F05	10 ohm 1/4W	Q3401	48T62967F03	CP., DTC124K
R418	06S64995F77	10K ohm	Q3402	48T62967F03	CP., DTC124K
R419	06S64995F77	10K ohm	Diodes		
R420	06S64995F77	10K ohm	D3402	48T64134F01	CP., DA204K
R421	06S64996F08	180K ohm			
R422	06S64996F08	180K ohm			
R423	06S64995F53	1K ohm			
R424	06S64995F53	1K ohm			
R425	06S64995F53	1K ohm			

NOTE : ○ : For CDM-7837R Model Only, ● : For CDM-7834R Model Only, Others : Common.

Symbol No.	Part No.	Description
D3403	48T64134F01	CP., DA204K
D3404	48T64134F01	CP., DA204K
Lamps		
PL3401	65T85125W07	9V-100mA
PL3404	65T85350W01	6V-80mA
PL3405	65T85350W01	6V-80mA
PL3406	65T85350W01	6V-80mA
PL3407	65T85350W01	6V-80mA
LED's		
LD3401	48T65477W02	CP., SML-010LTT87 (RED)
LD3402	48T65477W02	CP., SML-010LTT87 (RED)
Switches		
SW3401	40T75234W01	Tact, SKQNAC (PWR / INTLZ)
SW3402	40T75234W01	Tact, SKQNAC (UP)
SW3403	40T75234W01	Tact, SKQNAC (MODE / LOUD)
SW3404	40T75234W01	Tact, SKQNAC (DOWN)
SW3405	40T75234W01	Tact, SKQNAC (SOURCE)
SW3406	40T75234W01	Tact, SKQNAC (BAND)
SW3407	40T75234W01	Tact, SKQNAC (TUNE / A.ME / PLAY / PAUSE)
SW3408	40T75234W01	Tact, SKQNAC (UP / FWD)
SW3409	40T75234W01	Tact, SKQNAC (DN / BWD)
SW3410	40T75234W01	Tact, SKQNAC (EJECT)
SW3411	40T55656W06	Tact, CP. SKQMAJ001 (F)
SW3412	40T55656W06	Tact, CP. SKQMAJ001 (T.INFO / PTY)
SW3413	40T55656W06	Tact, CP. SKQMAJ001 (MONO / 3)
SW3414	40T55656W06	Tact, CP. SKQMAJ001 (NEWS / 2)
SW3415	40T55656W06	Tact, CP. SKQMAJ001 (AF / 1)
SW3416	40T55656W06	Tact, CP. SKQMAJ001 (SCAN / 6)
SW3417	40T55656W06	Tact, CP. SKQMAJ001 (RPT / 5)
SW3418	40T55656W06	Tact, CP. SKQMAJ001 (M.I.X. / 4)
Capacitors		
C3401	08S65128F78	CP., 0.022 μ F
C3402	08S82122F57	CP., 680pF
E3402	23T25191W62	CP. ELY., 22 μ F / 6.3V

Symbol No.	Part No.	Description
Resistors		
(All resistors are chip 1/10w \pm 5% unless otherwise noted.)		
R3401	06T15443W56	1.3K ohm
R3402	06T15443W59	1.8K ohm
R3403	06T15443W61	2.2K ohm
R3404	06T15443W65	3.3K ohm
R3405	06T15443W68	4.3K ohm
R3406	06T15443W74	7.5K ohm
R3407	06T15443W81	15K ohm
R3408	06T15443W91	39K ohm
R3409	06T15443W56	1.3K ohm
R3410	06T15443W59	1.8K ohm
R3411	06T15443W61	2.2K ohm
R3412	06T15443W65	3.3K ohm
R3413	06T15443W68	4.3K ohm
R3414	06T15443W81	15K ohm
R3415	06T15443W91	39K ohm
R3418	06S64995F77	10K ohm
R3419	06S64995F77	10K ohm
R3420	06S64995F77	10K ohm
R3421	06S64996F08	180K ohm
R3422	06S64996F08	180K ohm
R3423	06S64995F53	1K ohm
R3424	06S64995F53	1K ohm
R3425	06S64995F53	1K ohm
R3428	06S64995F93	47K ohm
R3435	06S70072F08	13 ohm 1/4W
R3437	06S70072F08	13 ohm 1/4W
R3438	06S70072F63	2.7K ohm 1/4W
R3442	06S70072F63	2.7K ohm 1/4W
R3443	06S70072F70	5.1K ohm 1/4W
R3444	06S53330F81	15K ohm 1/8W
R3449	06S64995F53	1K ohm
R3458	06S64995F53	1K ohm
R3459	06S64995F79	12K ohm
R3460	06T15443W74	7.5K ohm
R3467	06S64996F02	100K ohm
Remote Control P.W.Board (○)		
Transistors		
Q520	48T62967F02	CP., DTC114K
Q521	48T62967F02	CP., DTC114K
Q522	48T63420F01	CP., 2SA1037K
Q523	48T62967F02	CP., DTC114K

NOTE : ○ : For CDM-7837R Model Only, ● : For CDM-7834R Model Only, Others : Common.

Symbol No.	Part No.	Description
Diode		
D520	48T63462F01	CP., DAN202K
Capacitors		
C520	08S82122F37	CP., 100pF
C521	08S82122F65	CP., 1500pF
C522	08T15807W05	CP., 0.1µF
(All resistors are chip 1/10W±5% unless otherwise noted.)		
Resistors		
R521	06S64995F85	22K ohm
R522	06S64995F77	10K ohm
R523	06S64995F61	2.2K ohm
R524	06S64995F65	3.3K ohm
R525	06S64995F29	100 ohm
R526	06S64995F85	22K ohm
R527	06S64995F53	1K ohm
DP-Main P.W.Board		
IC's		
IC1101	51T75549W02	TC9296AF
IC1102	51T75548W01	TA2066F
IC1103	51T85408W01	BA6791FP
IC1104	51T16025W01	NJM2100M
IC1201	51T16025W01	NJM2100M
IC1202	51T11054W02	NJM78L05UA
IC1501	51T55288W02	LB1638M
Transistors		
Q1101	48T80611F01	CP., 2SB1132
Q1102	48T80611F01	CP., 2SB1132
Diode		
D1501	48T81063F01	CP., MA159

Symbol No.	Part No.	Description
Crystal		
XL1101	91T95099W92	CP., 16.934MHz
Capacitors		
C1101	08S35374W01	CP., 0.1µF
E1101	23S55311W42	CP. TAN., 4.7µF / 20V
C1102	08S45677W36	CP., 100pF
E1102	23S55311W23	CP. TAN., 10µF / 10V
C1103	08S65128F71	CP., 0.015µF
E1103	23S55311W42	CP. TAN., 4.7µF / 20V
C1104	08S65128F69	CP., 0.01µF
E1104	23S55311W23	CP. TAN., 10µF / 10V
C1105	08S65128F69	CP., 0.01µF
E1105	23S55311W42	CP. TAN., 4.7µF / 20V
C1106	08S65128F69	CP., 0.01µF
E1106	23T85373W03	CP. ELY., 47µF / 5.5V
C1107	08T15399W02	CP., 0.033µF
C1108	08S35374W01	CP., 0.1µF
E1108	23S55311W23	CP. TAN., 10µF / 10V
C1109	08S65128F71	CP., 0.015µF
E1109	23T85373W05	CP. ELY., 10µF / 16V
E1110	23T85373W05	CP. ELY., 10µF / 16V
C1111	08T15399W01	CP., 0.022µF
C1112	08T15399W01	CP., 0.022µF
C1113	08S35374W01	CP., 0.1µF
C1114	08S35374W01	CP., 0.1µF
C1115	08S45677W16	CP., 15pF
C1116	08S45677W18	CP., 18pF
C1118	08S65128F69	CP., 0.01µF
C1119	08S65128F79	CP., 0.027µF
C1120	08S65128F71	CP., 0.015µF
C1121	08S35374W01	CP., 0.1µF
C1122	08T65289W03	CP., 1µF
C1124	08S45677W14	CP., 12pF
C1125	08S45677W05	CP., 3pF
C1127	08S65128F65	CP., 4700pF
C1128	08S65128F63	CP., 3300pF
C1131	08T15399W03	CP., 0.047µF
C1132	08S45676W62	CP., 1200pF
C1133	08S35374W01	CP., 0.1µF
C1134	08S65128F79	CP., 0.027µF
C1135	08S65128F62	CP., 2700pF
C1136	08T55487W02	CP., 0.022µF
C1138	08S35374W01	CP., 0.1µF
C1140	08S35374W01	CP., 0.1µF
E1202	23T85373W03	CP. ELY., 47µF / 5.5V

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
E1204	23T85373W05	CP. ELY., 10µF / 16V	R1136	06S45674W77	6.8K ohm
C1205	08S45677W32	CP., 68pF	R1137	06S45674W81	10K ohm
E1205	23T85373W03	CP. ELY., 47µF / 5.5V	R1138	06S45674W95	39K ohm
C1206	08S45677W32	CP., 68pF	R1140	06S45674W87	18K ohm
E1206	23T85373W05	CP. ELY., 10µF / 16V	R1141	06S45674W81	10K ohm
C1207	08S45677W32	CP., 68pF	R1143	06S45674W77	6.8K ohm
E1207	23T85373W05	CP. ELY., 10µF / 16V	R1145	06S45674W92	30K ohm
C1208	08S45677W32	CP., 68pF	R1147	06S45674W54	750 ohm
C1209	08S45677W32	CP., 68pF	R1150	06S64995F77	10K ohm 1/10W
C1210	08S45677W32	CP., 68pF	R1151	06S45675W04	82K ohm
C1212	08S45677W32	CP., 68pF	R1160	06S45674W54	750 ohm
C1213	08S45677W32	CP., 68pF	R1205	06S45674W25	47 ohm
C1215	08S65128F79	CP., 0.027µF	R1206	06S45674W25	47 ohm
C1216	08S82122F61	CP., 1000pF	R1207	06S45674W95	39K ohm
C1217	08S82122F61	CP., 1000pF	R1208	06S45674W95	39K ohm
C1501	08S65128F79	CP., 0.027µF	R1209	06S45674W90	24K ohm
E1501	23T85373W05	CP. ELY., 10µF / 16V	R1210	06S45674W90	24K ohm
(All resistors are chip 1/16W±5% unless otherwise noted.)			R1211	06S45674W95	39K ohm
Resistors			R1212	06S45674W95	39K ohm
R1101	06S45674W57	1K ohm	R1213	06S45674W90	24K ohm
R1102	06S45674W81	10K ohm	R1214	06S45674W90	24K ohm
R1103	06S45674W97	47K ohm	R1215	06S45674W90	24K ohm
R1104	06S45675W06	100K ohm	R1216	06S45674W90	24K ohm
R1105	06S45675W34	2.2M ohm	R1217	06S45674W90	24K ohm
R1106	06S45674W93	33K ohm	R1218	06S45674W90	24K ohm
R1108	06S64995F77	10K ohm 1/10W	R1219	06S45674W73	4.7K ohm
R1109	06S45674W81	10K ohm	R1220	06S45674W73	4.7K ohm
R1110	06S45674W57	1K ohm	R1221	06S45674W73	4.7K ohm
R1111	06S45674W57	1K ohm	R1222	06S45674W73	4.7K ohm
R1112	06S45674W65	2.2K ohm	Miscellaneous		
R1113	06S70072F22	51 ohm 1/4W	CB501	09T15299Y15	15P Connector
R1114	06S70072F22	51 ohm 1/4W	○ CH401	09T15298Y15	15P Connector
R1115	06S45674W85	15K ohm	● CH3401	09T15298Y15	15P Connector
R1116	06S45674W81	10K ohm	DIN501	09T55493W02	DIN Connector 8P
R1117	06S45674W73	4.7K ohm	ET001	09T15174W02	Antenna Receptacle
R1119	06S45674W88	20K ohm	ET801	09T55175W16	Speaker Output & Power Supply Connector
R1121	06S45674W88	20K ohm	HD1201	88T55261W01	Pick-Up Unit
R1123	06S45674W91	27K ohm	● JK201	09T70753F08	RCA Connector (REAR)
R1124	06S45674W57	1K ohm	○ JK202	09T15385Y01	RCA Connector (FRONT / REAR)
R1125	06S45674W33	100 ohm	○ JK504	09T95460W01	Remote Control Interface Connector
R1126	06S45674W33	100 ohm	○ LCD401	65T15217Y01	LCD Display
R1127	06S45674W54	750 ohm	● LCD3401	65T15327Y01	LCD Display
R1128	06S45674W54	750 ohm	M1301	01V73300W33	Assy., Motor - Load (7V-370mA)
R1130	06S45674W97	47K ohm	M1302	01V73300W35	Assy., Motor Spindle (2V-90mA)
R1131	06S45674W57	1K ohm			
R1133	06S45674W49	470 ohm			
R1135	06S45674W65	2.2K ohm			

NOTE: ○: For CDM-7837R Model Only, ●: For CDM-7834R Model Only, Others: Common.

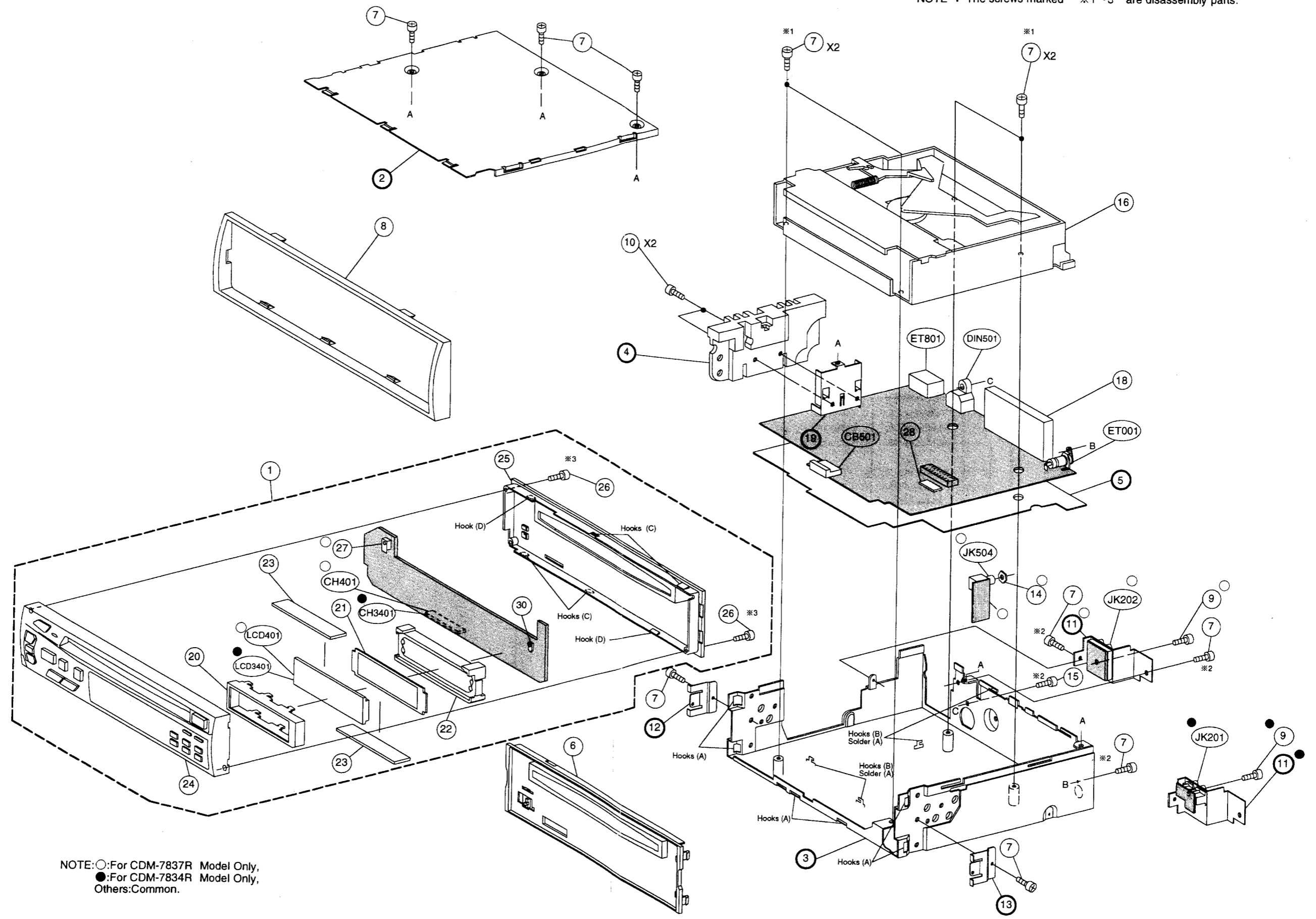
Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
M1303	01V11100Y98	Assy., Motor Sled (7V-370mA)			
SW1301	40T25956W02	Switch, Detector (DISC CHUCKING POSITION)			
SW1302	40T25956W02	Switch, Detector (DISC LOAD)			
SW1303	40T25956W01	Switch, Detector (DISC LOAD)			
SW1304	40T25956W02	Switch, Detector (DISC END)			
SW1305	40T71025F03	Switch, Detector (LIMIT)			

Exploded View (Cabinet)

CDM-7837R/
CDM-7834R CDM-7837R/
CDM-7834R

NOTE : The screws marked "※1~3" are disassembly parts.

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NOTE: ○: For CDM-7837R Model Only,
●: For CDM-7834R Model Only,
Others: Common.

A | B - 51 - | C | D | E | F - 52 - | G |

Cabinet Assembly Parts List

NOTE: Parts without part number are not supplied.

Symbol No.	Index	Part No.	Description	Symbol No.	Index	Part No.	Description
○ 1	3-B	01V13700Y40	Assy., Nose Unit				
● 1	3-B	01V13700Y46	Assy., Nose Unit				
6	5-D	13C10783Y01	Assy., Front Escutcheon				
7		03S44205G29	Screw, Pan (M2.6X6)				
8	2-C	33C10618Y01	Face, Plate				
9		03S40012G28	Screw, Tapping (M3X8)				
10	2-D	03S38013W05	Screw, Pan (M2.6X16)				
○ 14	4-F	02S40000G53	Nut, Hex. (M6)				
15	4-F	03S68555F16	Screw, Pan (M2.6X8)				
16	2-G	81D10183Y01	CD Deck Mechanism, DP23L23A				
18	3-G	77B10459Y01	FM/MW/LW Tuner Unit, MB4R6050 (FE001)				
20	4-B	15B10491Y01	Cover, LCD				
○ 21	4-C	26A10492Y01	Reflector, Sheet				
● 21	4-C	26A10492Y04	Reflector, Sheet				
○ 22	4-C	15D10490Y01	Assy., Case LCD				
● 22	4-C	15D10499Y02	Assy., Case LCD				
23		75T85248W08	Rubber, Electric				
○ 24	5-B	13C10471Y04	Assy., Nosepiece				
● 24	5-B	13C10494Y04	Assy., Nosepiece				
25	3-D	13D10486Y01	Nose, Bottom				
26		03S68555F39	Screw, Pan (M1.7X10)				
○ 27	4-C	07A11037Y01	Bracket, Remote				
28	3-F	14S51152W44	Insulator, Cover				
30	4-D	15A80548W01	Cover, LED				

NOTE: ○: For CDM-7837R Model Only, ●: For CDM-7834R Model Only, Others: Common.

Disassembly Instructions

1. Removal of Nose Unit

(1) Refer to the Owner's Manual (Part No. 68P10924Y24, 25).

2. Removal of Front Escutcheon

(1) After removal of Top Cover, Face Plate and two Bracket Side, Hooks (A) (5-E) remove six Hooks (A).

3. Removal of CD Deck Mechanism

(1) After removal of Front Escutcheon, remove four screws No.7. Screws No. 7 (※1) (1-E, 1-F)
 (2) Disconnect one connector from Main P.W.Board.

4. Removal of Main P.W. Board

(1) After removal of CD Deck Mechanism, remove four screws No. 7 Screw No. 7 (※2) (4-F, 4-G, 5-G) and No. 15. Screw No. 15 (※2) (4-F)
 (2) Remove a Nut No. 14 (○). Nut No. 14 (4-F)
 (3) Remove four points of Solder (A) and four Hooks (B). Solder (A) (5-E) Hooks (B) (5-E)
 (4) Main P.W.Board with Jack P.W.Board (1) and Remote Control P.W.Board can be removed completely. (○)
 (4) Main P.W.Board with Jack P.W.Board (2) can be removed completely. (●)

5. Removal of Front P.W. Board

(1) After removal of Nose Unit, remove two screws No.26. Screws No. 26 (※3) (3-D, 4-E)
 (2) Remove four Hooks (C), and remove Nosepiece. Hooks (C) (3-D, 4-D)
 (3) Remove two Hooks (D), and remove Front P.W.Board. Hooks (D) (3-C, 4-D)

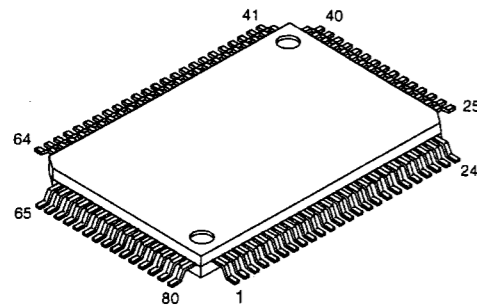
NOTE: For the screws No., Nut No., Hook and Solder, refer to the Exploded View (Cabinet).

○: For CDM-7837R Model Only, ●: For CDM-7834R Model Only, Others: Common.

Semi-Conductor Lead Identifications

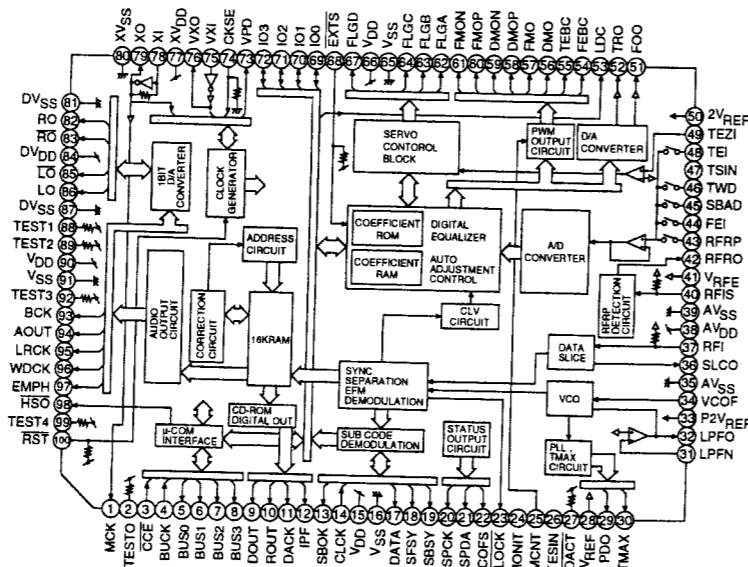
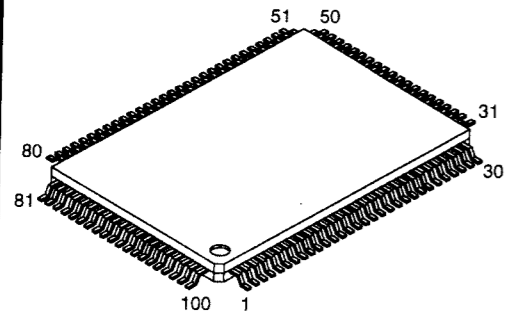
NOTE : For the parts not mentioned, refer to the Schematic Diagram.

15160Y01 : IC601



PIN NO.	CODE ADDRESS	I/O	PIN NO.	CODE ADDRESS	I/O	PIN NO.	CODE ADDRESS	I/O	PIN NO.	CODE ADDRESS	I/O
1	AD-1	I	23	L-CONT	O	45	PLL DI	O	64	BUS-IN	I
2	AD-2	I	24	V-CONT	O	46	PLL CLK	O	65	BUS-OUT	O
3	SD/ST	I	25	LOAD FWD	O	47	PLL DO	I	66	NC	—
4	GND	—	26	LOAD BWD	O	48	DAVN	I	67	NFP 1	O
5	INTLZ	I	27	SW-2	I	49	FM MONO	I/O	67	NC	—
6	NC	—	28	SW-4	I	50	MUTE	O	68	VDD	—
7	AVREF	—	29	SW-3	I	51	IN-INT	I	69	X2	—
8	RXD	I	30	SELECT 1	I	52	IF-MUTE	O	70	X1	—
9	TXD	O	31	SELECT 2	I	53	EV CLK	O	71	GND	—
10	AMB/GRN	O	32	SW-1	I	54	EV DATA	O	72	NC	—
11	LED IND	O	33	GND	—	55	SELECT 3	I	73	PULL-DOWN	—
12	LCD DATA	O	34	LIMIT-SW	I	56	SELECT 4	I	74	AVDD	—
13	FUNCTION	O	35	LSI-RST	O	57	POWER ON	O	75	AVREF	—
14	LCD CL	O	36	BUS-0	I/O	58	NOSE PWR	O	76	M/P	I
15	NC	—	37	BUS-1	I/O	58	NC	—	77	NC	—
16	LCD CE	O	38	BUS-2	I/O	59	POWER IC ON	O	78	S-METER	I
17	I2C CLK	O	39	BUS-3	I/O	60	RESET	I	79	T-SENS	I
18	I2C DATA	I/O	40	BUCK	O	61	REMOCON	I	80	NOSE ON	I
19	CD CE	O	41	CCE	O	61	PULL-DOWN	—			
20	CD CLK	O	42	LOCK	I	62	B-HOLD	I			
21	CD DATA	O	43	AM SD	I	63	A-HOLD	I			
22	NC	—	44	PLL CE	O						

TC9296AF: IC1101 (DP23L23A)



NOTE : ○ : For CDM-7837R Model Only, ● : For CDM-7834R Model Only, Others : Common.

CD Mechanism Assembly Parts List

NOTE : For the parts not mentioned, refer to the Service Manual for DP-L SERIES (Part No. 68E26422S01).

Model		DP23L05A		DP23L23A	
Symbol No.	Index	Part No.	Description	Index	Description
2	5-G	01B70635W01	Assy., Rivet Arm Disc	01B00578K01	Assy., Rivet Arm Disc
7	5-F	44A70617W01	Gear (C)	44A70617W02	Gear (C)
10	5-B	27C70602W01	Chassis, Top	27C00576K01	Chassis, Top
13	3-D	01A70636W01	Assy., Rivet Bracket Motor	01A00579K01	Assy., Rivet Bracket Motor
19	2-B	01A70580W01	Assy., Chassis Pick-Up	01A00588K01	Assy., Chassis Pick-Up
26	2-C	41A70587W01	Spring, Multi	41A70587W10	Spring, Multi
30	1-D	41A70586W01	Spring, Nut (A)	41A70586W10	Spring, Nut (A)
35	3-A	07A70588W01	Stopper, Clamp	07A00568K01	Stopper, Clamp
43	3-E	45A70629W01	Lever, Switch	45A70629W02	Lever, Switch
45	4-F	44A70616W01	Gear (B)	44A70616W02	Gear (B)
46	4-E	45B70619W01	Lever, Cam	45B70619W02	Lever, Cam
51	4-E	07A70633W01	Bracket, Motor-Wire	07A70633W10	Bracket, Motor-Wire
52	4-E	01A70637W01	Assy., Rivet Arm Timing	01A00593K01	Assy., Rivet Arm Timing
53	4-F	41A70606W01	Spring, Washer	41A70606W10	Spring, Washer
62	2-F	45B70623W01	Arm, Lock (R)	45B70623W10	Arm, Lock (R)

Miscellaneous

M1303		01V73300W38	Assy., Motor Sled (7V-370mA)	01V11100Y98	Assy., Motor Sled (7V-370mA)
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ALPINE SERVICE MANUAL

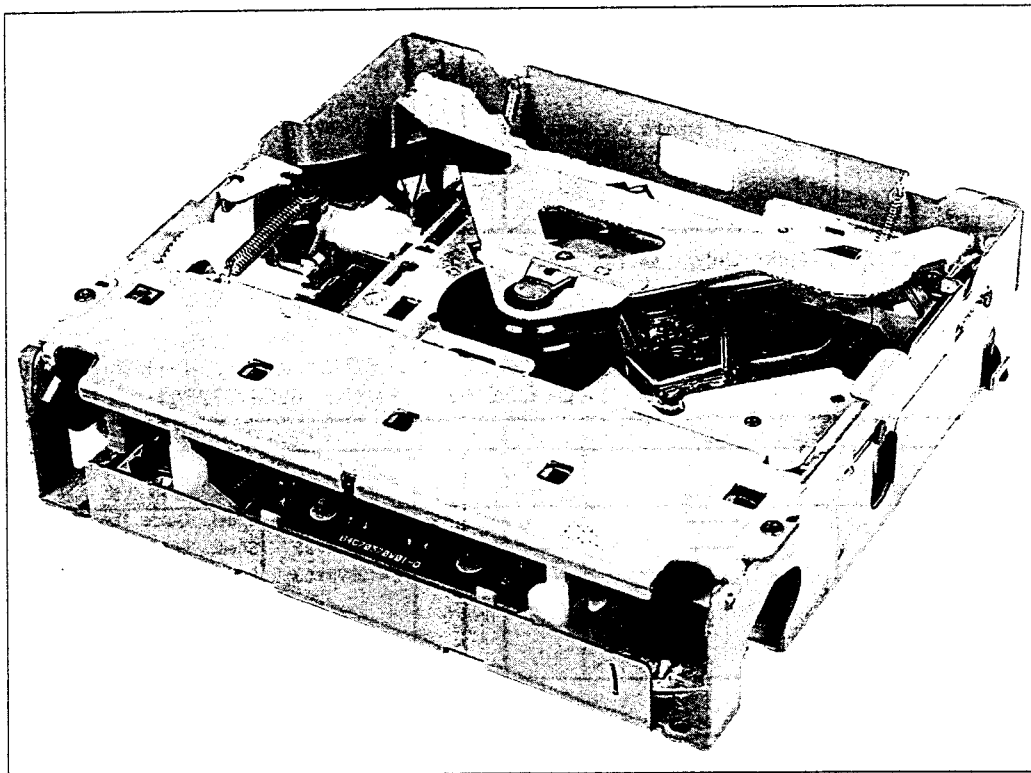


V23251

CD Player Mechanism

ADDENDUM & REVISED (III)

- This manual is described on DP23L05A/DP24L05A only. The DP23L05A/DP24L05A is developed from DP23L010. For information that is not mentioned in this service manual, refer to the Service Manual • DP-L SERIES (68E24872S01). *V19009 30*
- 当マニュアルはDP23L05A/DP24L05Aについてのみ記載しております。又、DP23L010がベースモデルとなっておりますので、相違部分のみ記載しております。詳細についてはDP-L SERIES (68E24872S01) を参照願います。



DP-L SERIES

Contents

CD Mechanism Assembly Parts List (Only Difference)	2
Exploded View (CD Mechanism)	3 to 4
Mechanism Function Description	Refer to the Service Manual for DP-L Series (Part No. 68E23246S01).
Component Disassembly and Assembly Notes	

Cabinet Assembly Parts List

NOTE : For the parts not mentioned, refer to the Service Manual for DP-L SERIES (Part No. 68E24872S01).

Model		DP-L SERIES		DP23L05A/DP24L05A			
Symbol No.	Index	Part No.	Description		Index	Part No.	Description
67		—	—		4-B	75A10573Y01	Sheet, Guide Top
68		—	—		4-C	75A10573Y02	Sheet, Guide Top
69		—	—		2-B	75A10573Y03	Sheet, Guide Top
Miscellaneous							
HD1201	1-C	81B81296W01	Pick-Up Unit	○	1-C	81B81296W02	Pick-Up Unit
or	1-C	—	—	○	1-C	81B10890Y01	Pick-Up Unit
HD1201	1-C	81B81296W01	Pick-Up Unit	●	1-C	88T55261W01	Pick-Up Unit
M1302	2-D	01V94200W03	Assy., Motor Spindle (3V-90mA)		2-D	01V73300W35	Assy., Motor Spindle (2V-90mA)

NOTE : ○: For DP23L05A Model Only, ●: For DP24L05A Model Only, Others : Common.

キャビネット関係部品相違表

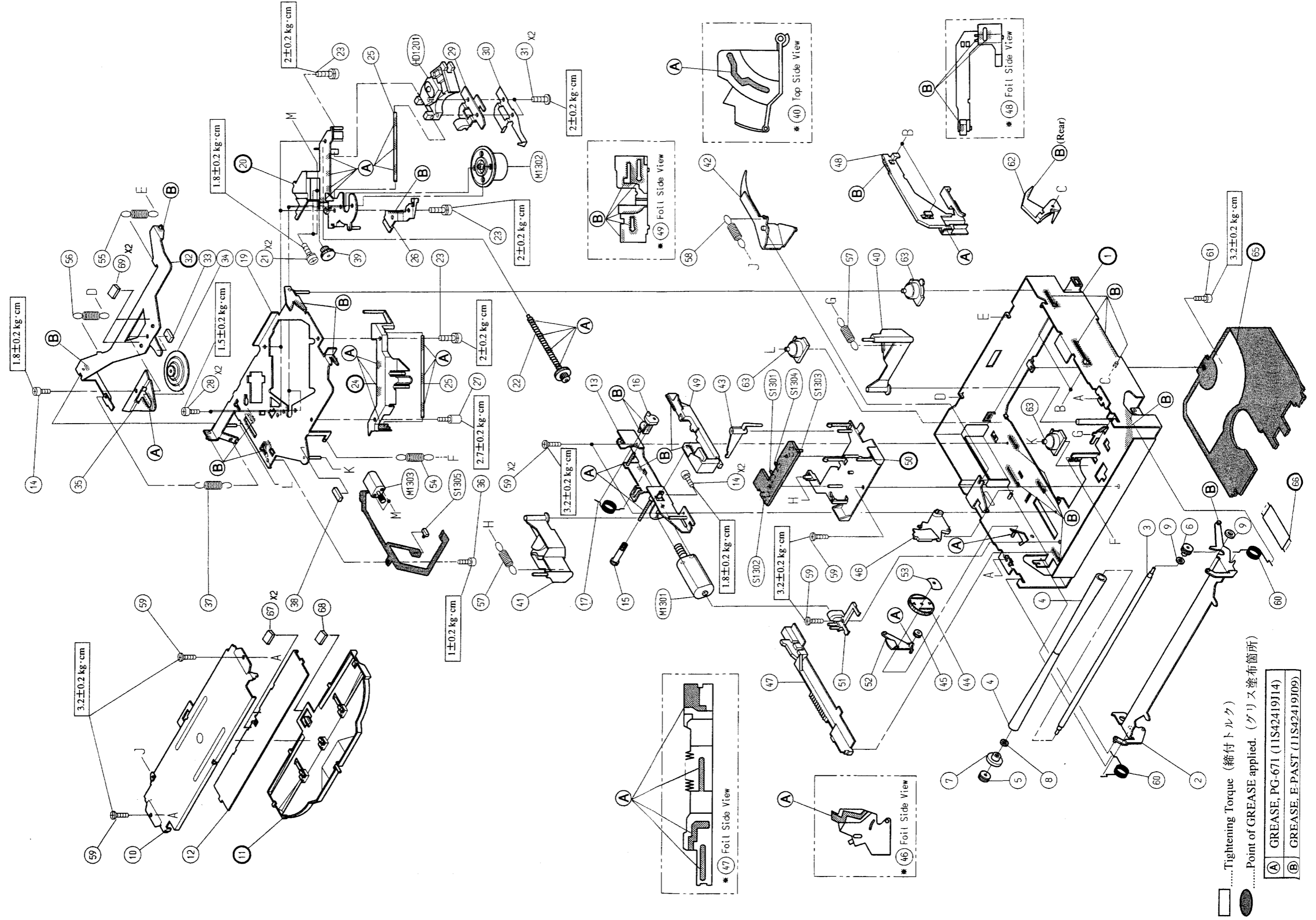
※ 記載されていない部品については、サービスマニュアル・DP-L SERIES (Part No. 68E24872S01) を参照願います。

Model		DP-L SERIES			DP23L05A/DP24L05A				
記号	索引	部品番号	部品名	標準卸価格		索引	部品番号	部品名	標準卸価格
67		—	—	—		4-B	75A10573Y01	Sheet, Guide Top	45
68		—	—	—		4-C	75A10573Y02	Sheet, Guide Top	45
69		—	—	—		2-B	75A10573Y03	Sheet, Guide Top	45
その他の電気部品									
HD1201	1-C	81B81296W01	Pick-Up Unit	3,350	○	1-C	81B81296W02	Pick-Up Unit	—
or	1-C	—	—	—	○	1-C	81B10890Y01	Pick-Up Unit	—
HD1201	1-C	81B81296W01	Pick-Up Unit	3,350	●	1-C	88T55261W01	Pick-Up Unit	3,350
M1302	2-D	01V94200W03	Assy., Motor Spindle (3V-90mA)	1,530		2-D	01V73300W35	Assy., Motor Spindle (3V-90mA)	1,440

注記 : ○ : DP23L05A モデル専用, ● : DP24L05A モデル専用, その他 : 共通

Exploded View (CD Mechanism)

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C

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E

F - 4 -

G

..... Tightening Torque (締付トルク)
 Point of GREASE applied. (グリス塗布箇所)

(A)	GREASE, PG-671 (11S42419J14)
(B)	GREASE, E-PAST (11S42419J09)

MEMO

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