DVD/VCD/CD PLAYER

DVF-3080-S/8100

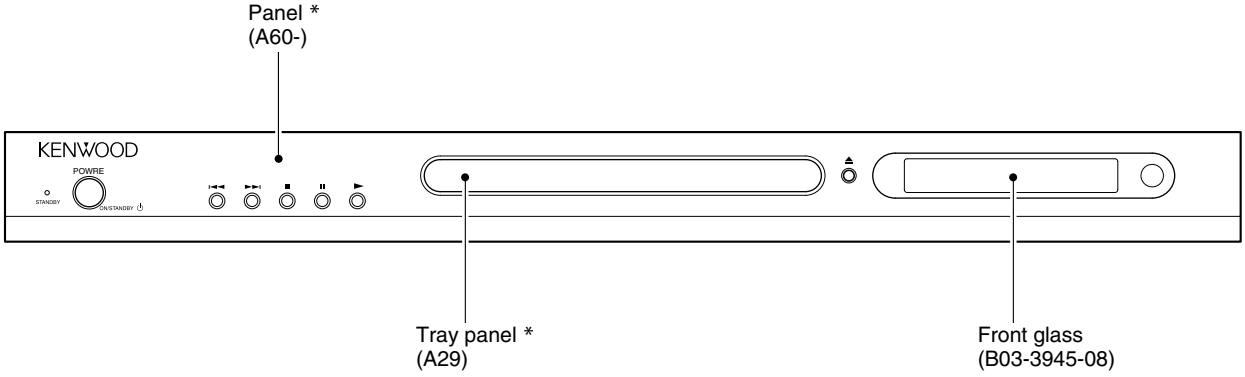
SERVICE MANUAL

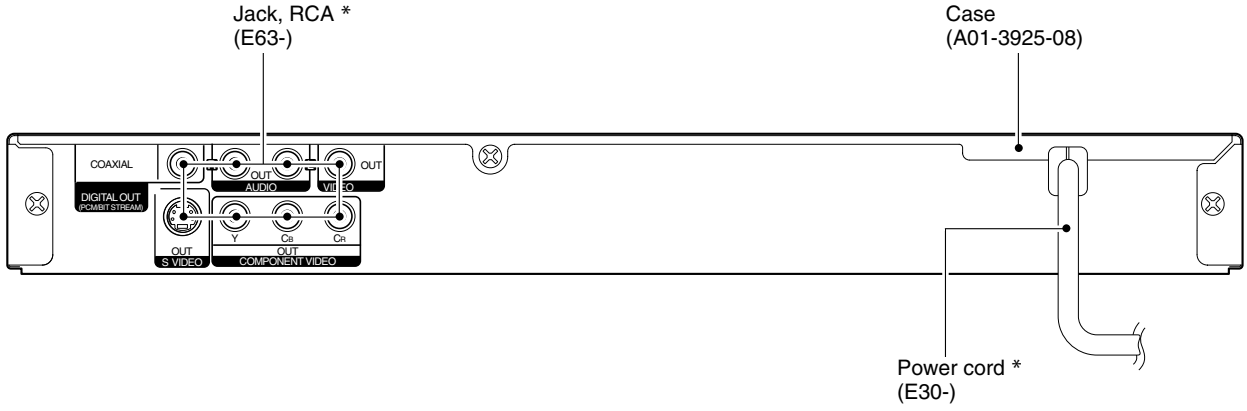
TENTATIVE

KENWOOD

B51-5894-00 (K/K) 1360

There are some of no KENWOOD's parts# in parts list.





*** Refer to parts list on page 31.**

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

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

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

Caution : No connection of ground line if disassemble the unit. Please connect the ground line on rear panel, PCBs, Chassis and some others.

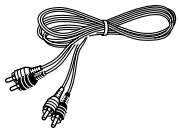
70%

ACCESSORIES / CAUTIONS

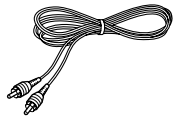
Accessories

Please confirm that the following accessories are present.

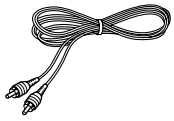
Audio cord (Red, White) ...(1)



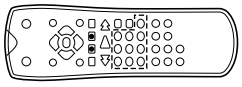
Video cable(Yellow) ...(1)



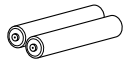
Coaxial cable (Black) ...(1)



Remote control unit ...(1)
(A70-1660-08)



Batteries (R03/"AAA" -size) ...(2)



Cautions

Operation to reset

The microprocessor may fall into malfunction (impossibility to operate erroneous display, etc.) when the power cord is unplugged while power is ON or due to an external factor.
In this case, switch off the power, wait for several seconds, and then switch the power on again.

Note related to transportation and movement

Before transporting or moving this unit, carry out the following operations.

1. Set the **POWER ON/OFF** switch to the **ON** without loading a disc.
2. Wait a few seconds and verify that the display shown appears.

   "NO DISC"

3. Set the **POWER ON/OFF** switch to OFF.

Caution on condensation

Condensation (of dew) may occur inside the unit when there is a great difference in temperature between this unit and the outside. This unit may not function properly if condensation occurs. In this case, leave the unit for a few hours and restart the operation after the condensation has dried up.

Be specially cautious against condensation in the following circumstances:
When this unit is carried from one place to another across a large difference in temperature, when the humidity in the room where this unit is installed increases, etc.

The marking of products using lasers

(For countries other than U.S.A. and U.S.-Military)

CLASS 1
LASER PRODUCT

The marking this product has been classified as Class 1. It means that there is no danger of hazardous radiation outside the product.
Location: Back panel

DISASSEMBLY FOR REPAIR

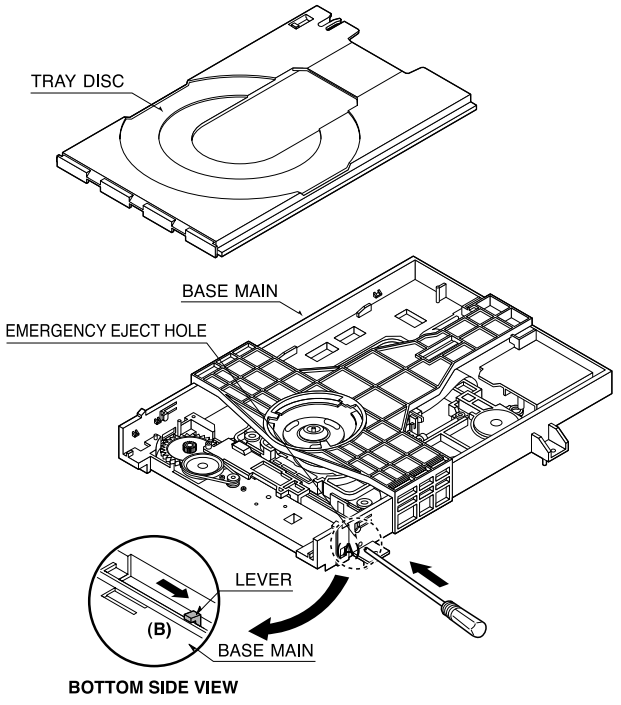


Fig.

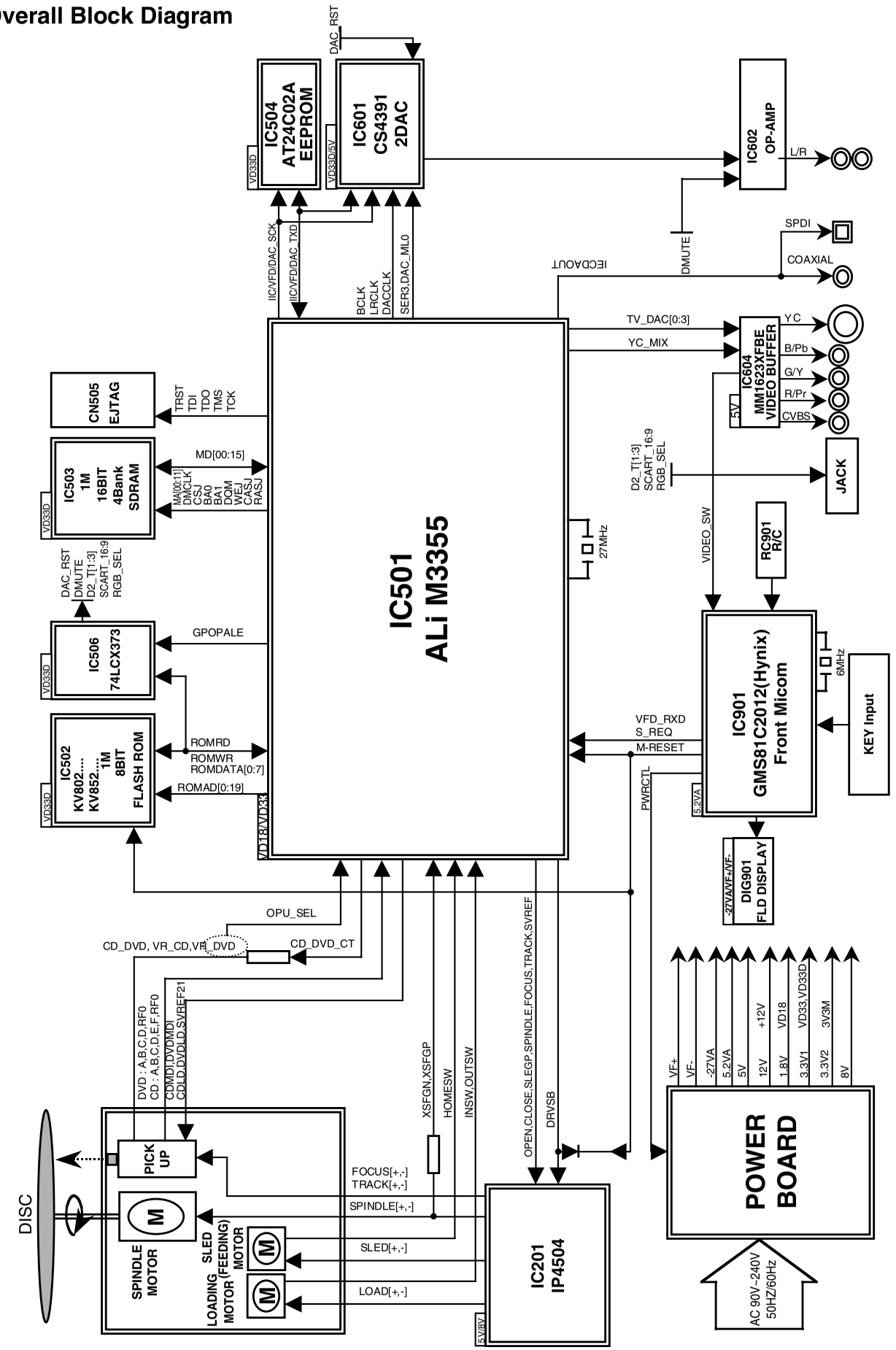
1) Insert and push a Driver in the emergency eject hole(A) at the right side, or put the Driver on the Lever(B) of the Gear Emergency and pull the Lever(B) in direction of arrow so that the Tray Disc is ejected about 15~20mm.
2) Pull the Tray Disc until it is separated from the Base Main completely.

How to Reset Parental Lock.

1. Connect the TV set to DVF-3080.
2. Push the power switch of DVF-3080 to be on.
3. Check the display of DVF-3080 shown “NO DISC”.
4. Push the “SETUP” key of remote control and TV has “set up menu”
5. Select the “16:9” on TV.
6. Push #key 1 3 9 7 1 3 9 and ENTER.
   Push #key again if mistype.
7. Push the power switch of DVF-3080 to be off.

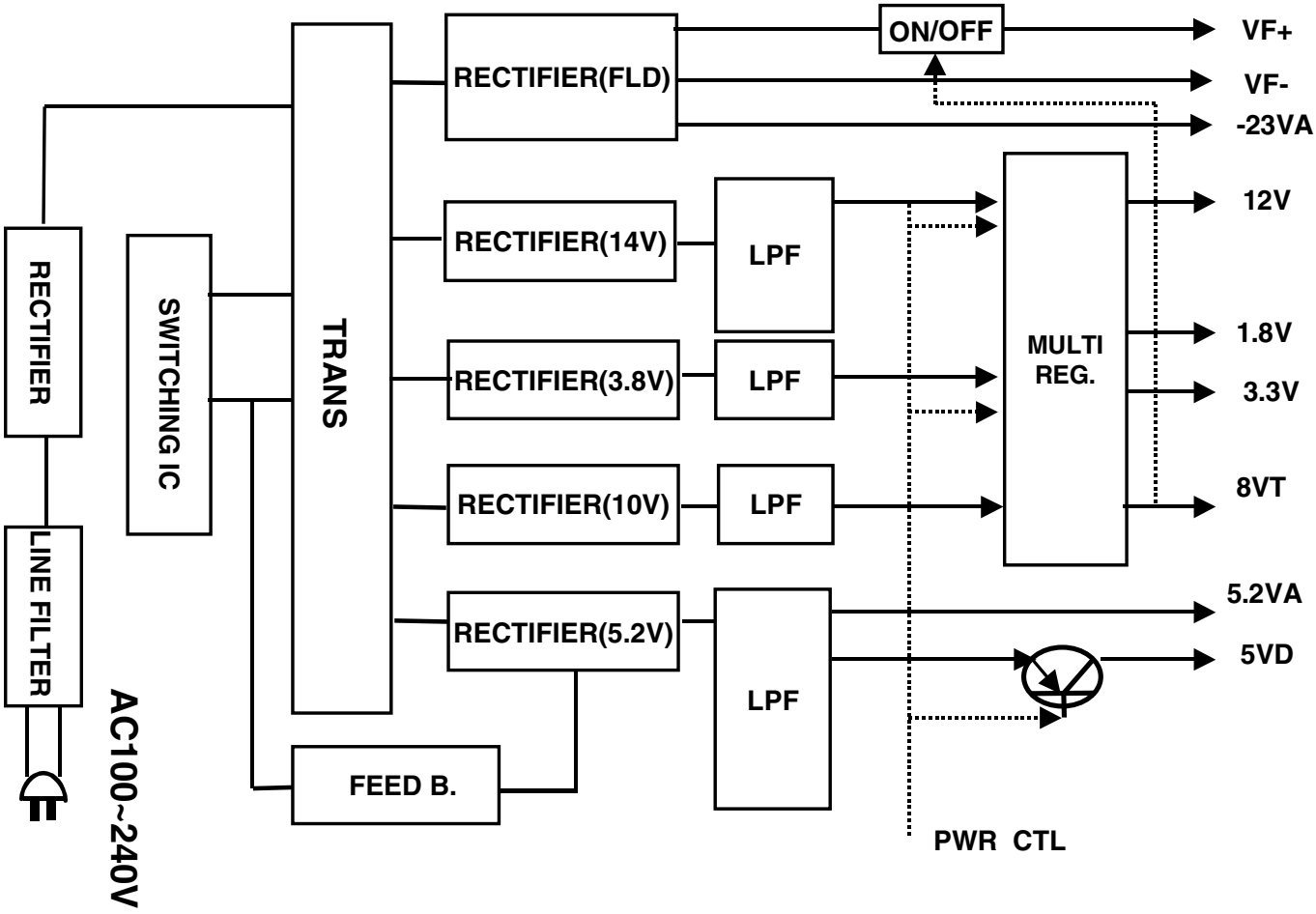
BLOCK DIAGRAM

1. Overall Block Diagram

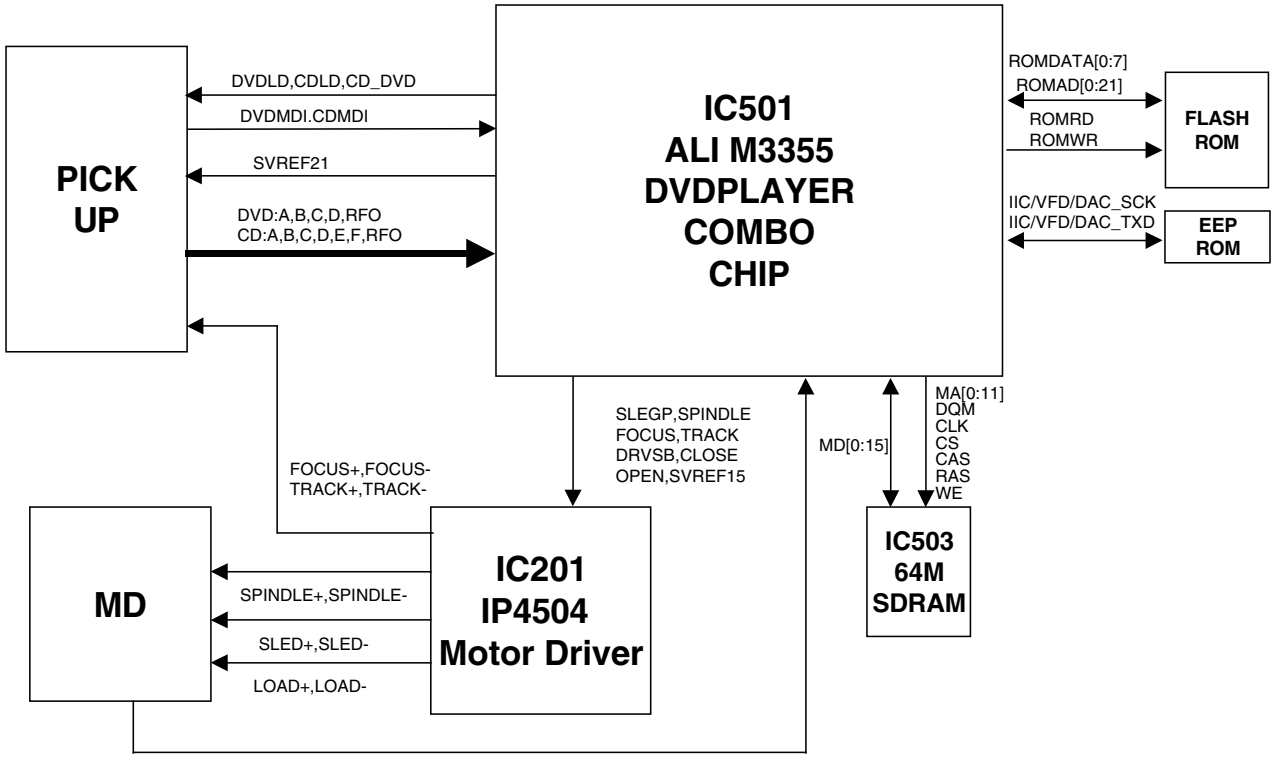


BLOCK DIAGRAM

2. Power(SMPS) Block Diagram

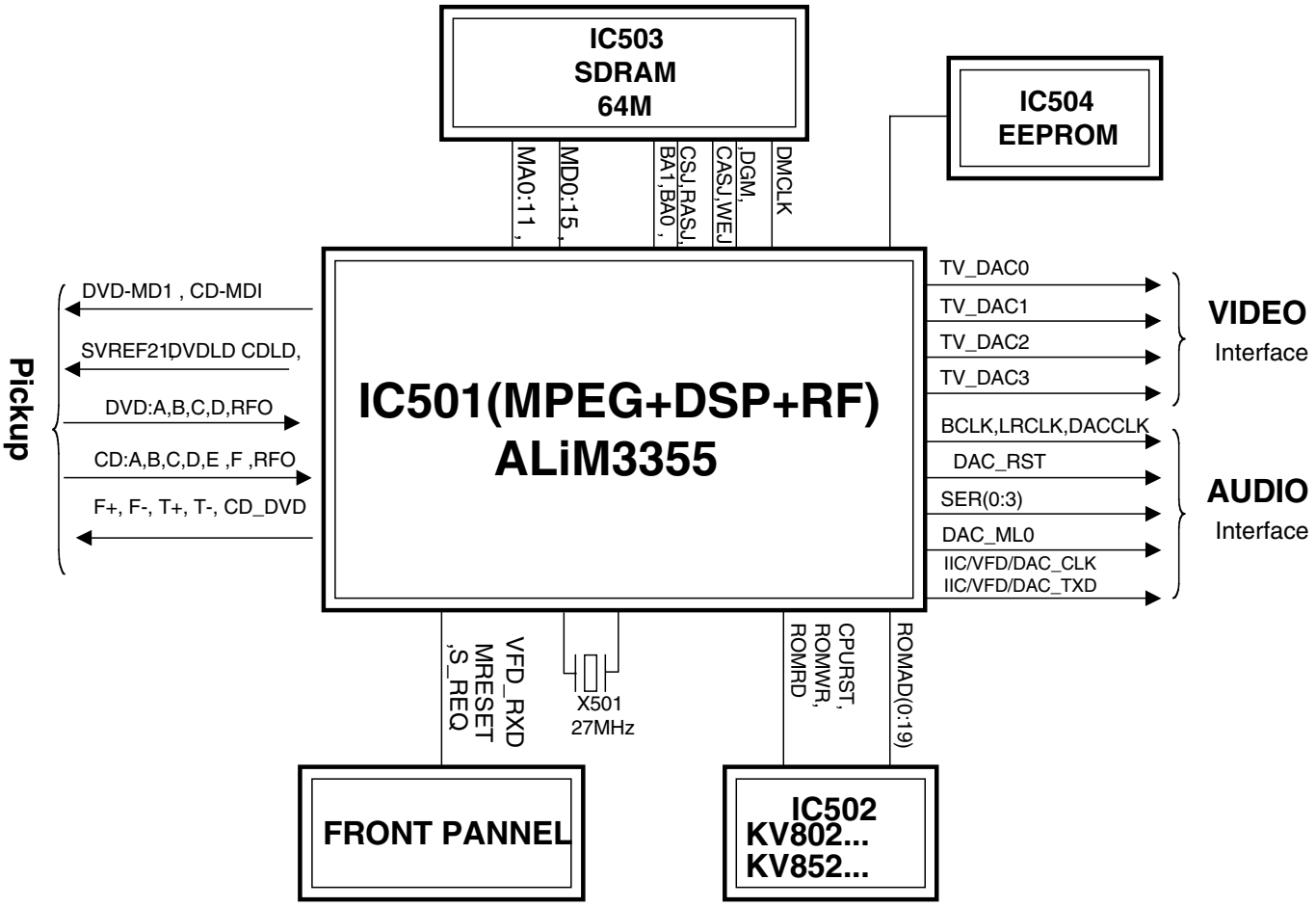


3. SERVO Block Diagram

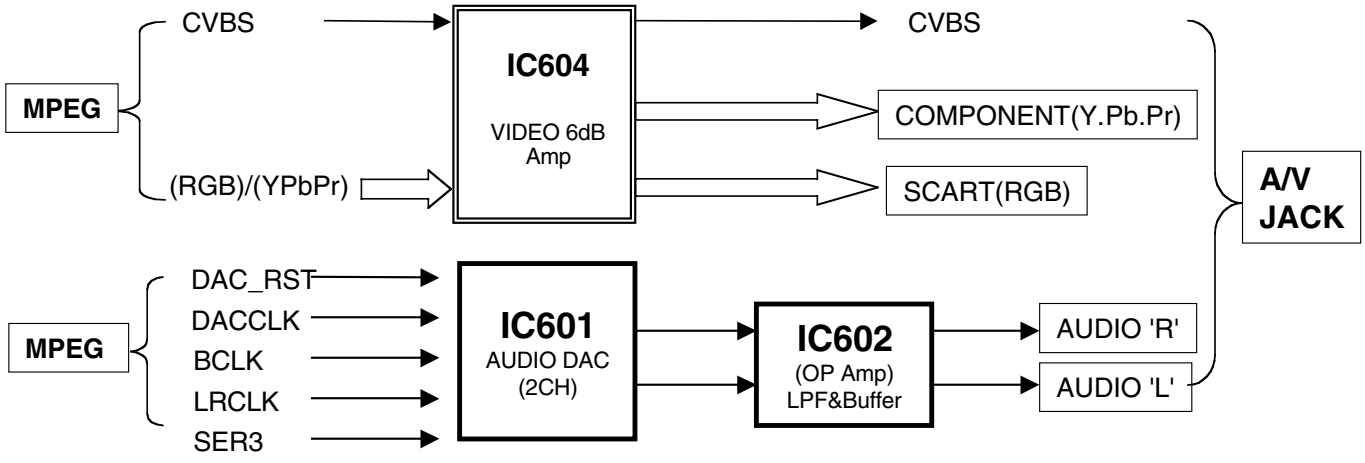


BLOCK DIAGRAM

4. MPEG & MEMORY Block Diagram

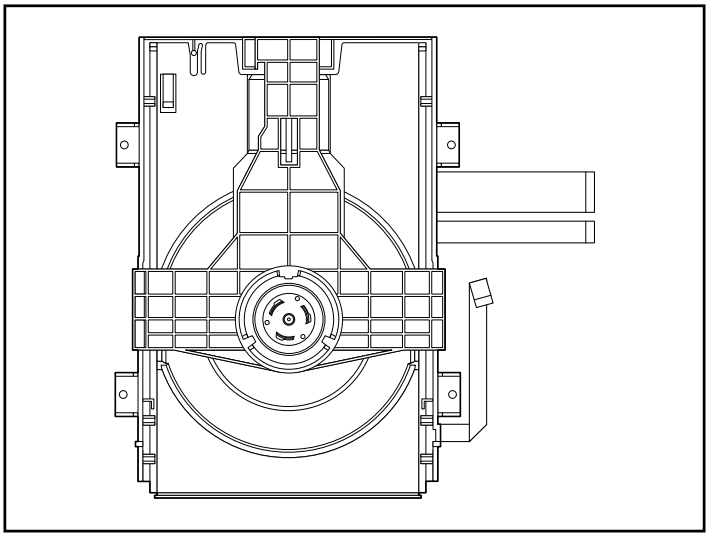


5. VIDEO & AUDIO Block Diagram

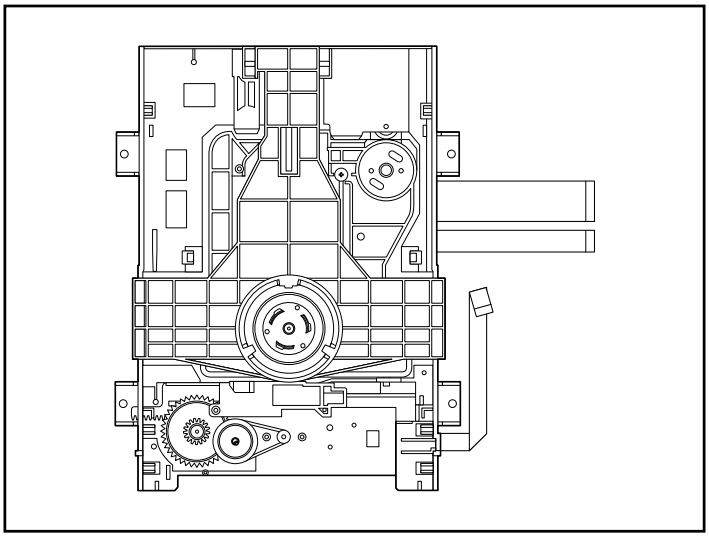


DECK MECHANISM PARTS LOCATION

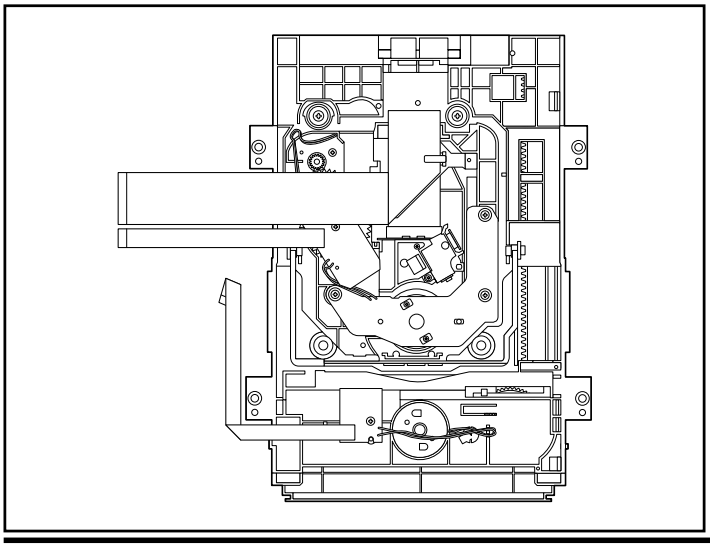
• Top View (With Tray)



• Top View (Without Tray)



• Bottom View



Procedure Starting No.		Parts	Fixing Type	Disassembly	Figure
	1	Main Base			4-1
1	2	Clamp Assembly Disc			4-1
1, 2	3	Plate Clamp			4-1
1, 2, 3	4	Magnet Clamp			4-1
1, 2, 3, 4	5	Clamp Upper			4-1
1	6	Tray Disc			4-2
1, 6	7	Base Assembly Sled			4-3
1, 2, 6	8	Gear Feed	4 Screws, 1 Connector 1 Locking Tabs		4-3
1, 2, 6, 8	9	Gear Middle			4-3
1, 2, 6, 8, 9	10	Gear Rack	1 Screw		4-3
1, 2, 7	11	Rubber Rear			4-3
1, 2, 7	12	Frame Assembly Up/Down	1 Screw	Bottom	4-4
1, 2	13	Belt Loading	1 Locking Tab		4-4
1, 2 ,13	14	Gear Pulley			4-4
1, 2, 13, 14	15	Gear Loading	1 Locking Tab		4-4
1, 2, 7, 12,	16	Guide Up/Down			4-4
13, 14 1, 2, 13	17	PWB Assembly Loading	1 Locking Tab 1 Hook 2Screw	Bottom	4-4
1, 2, 7, 12, 13, 14, 15, 16, 17	18	Base Main	2 Locking Tabs		4-4

Note

When reassembling, perform the procedure in reverse order.

The “Bottom” on Disassembly column of above Table indicates the part should be disassembled at the Bottom side.

DECK MECHANISM DISASSEMBLY

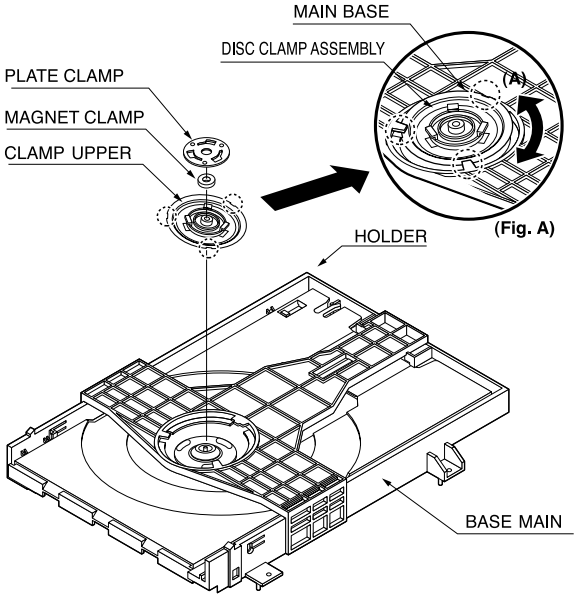


Fig. 4-1

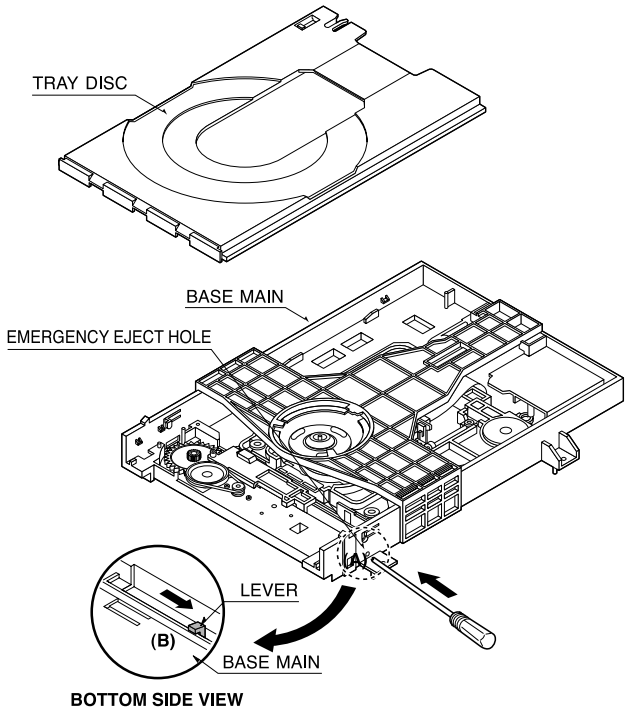


Fig. 4-2

1. Main Base (Fig. 4-1)

1-1. Clamp Assembly Disc

1) Place the Clamp Assembly Disc as Fig. (A)
2) Lift up the Clamp Assembly Disc in direction of arrow(A).
3) Separate the Clamp Assembly Disc from the Holder Clamp.

1-1-1. Plate Clamp

1) Turn the Plate Clamp to counterclockwise direction and then lift up the Plate Clamp.

1-1-2. Magnet Clamp

1-1-3. Clamp Upper

2. Tray Disc (Fig. 4-2)

1) Insert and push a Driver in the emergency eject hole(A) at the right side, or put the Driver on the Lever(B) of the Gear Emergency and pull the Lever(B) in direction of arrow so that the Tray Disc is ejected about 15~20mm.
2) Pull the Tray Disc until it is separated from the Base Main completely.

DECK MECHANISM DISASSEMBLY

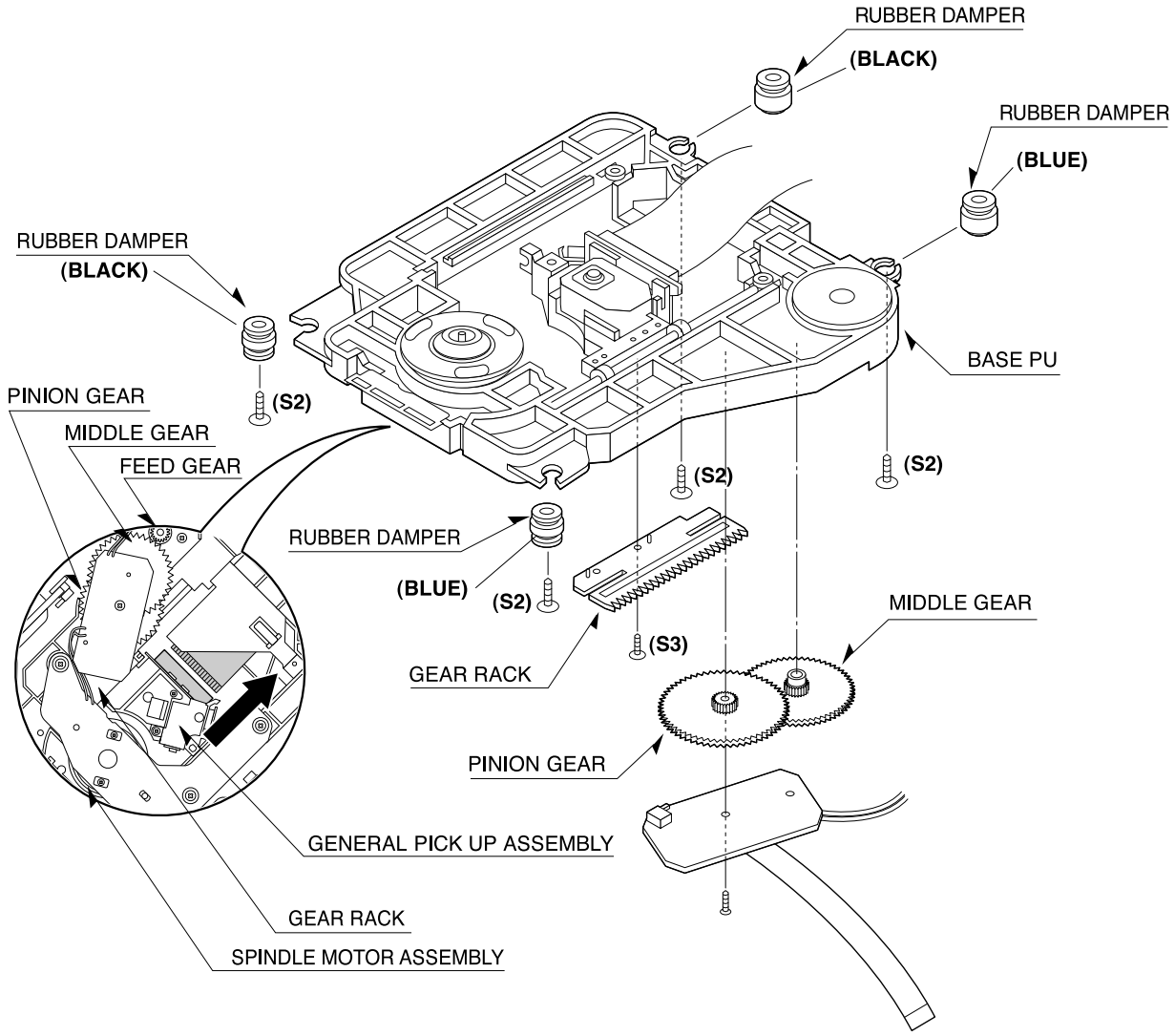


Fig. 4-3

3. Base Assembly Sled (Fig. 4-3)

1) Release 4 Screw(S2).
2) Disconnect the FFC Connector(C1)

3-1. Gear Feed

3-2. Gear Middle

3-3. Gear Rack

1) Release the Scerw(S3)

4. Rubber Rear (Fig. 4-3)

DECK MECHANISM DISASSEMBLY

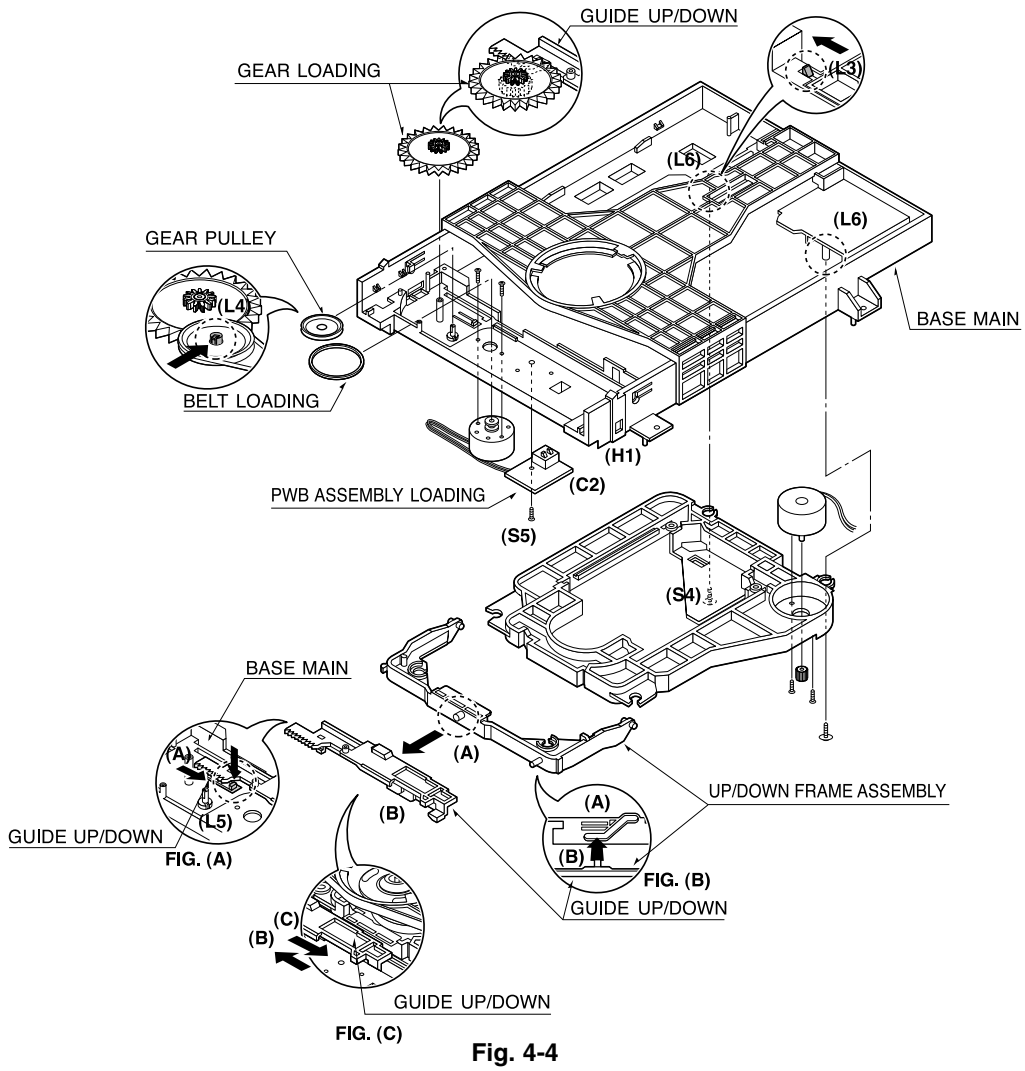


Fig. 4-4

5. Frame Assembly Up/Down (Fig. 4-4)

Note

Put the Base Main face down(Bottom Side)

1) Release the screw(S4)
2) Unlock the Locking Tab(L3) in direction of arrow and then lift up the Frame Assembly Up/Down to separate it from the Base Main.

Note

- When reassembling move the Guide Up/Down in direction of arrow(C) until it is positioned as Fig.(C).
- When reassembling insert (A) portion of the Frame Assembly Up/Down in the (B) portion of the Guide Up/Down as Fig.(B)

6. Belt Loading(Fig. 4-4)

Note

Put the Base Main on original position(Top Side)

7. Gear pulley (Fig. 4-4)

1) Unlock the Locking Tab(L4) in direction of arrow(B) and then separate the Gear Pulley from the Base Main.

8. Gear Loading (Fig. 4-4)

9. Guide Up/Down (Fig. 4-4)

1) Move the Guide Up/Down in direction of arrow(A) as Fig.(A)
2) Push the Locking Tab(L5) down and then lift up the Guide Up/Down to separate it from the Base Main.

Note

When reassembling place the Guide Up/Down as Fig.(C) and move it in direction arrow(B) until it is locked by the Locking Tab(L5). And confirm the Guide Up/Down as Fig.(A)

10. PWB Assembly Loading (Fig. 4-4)

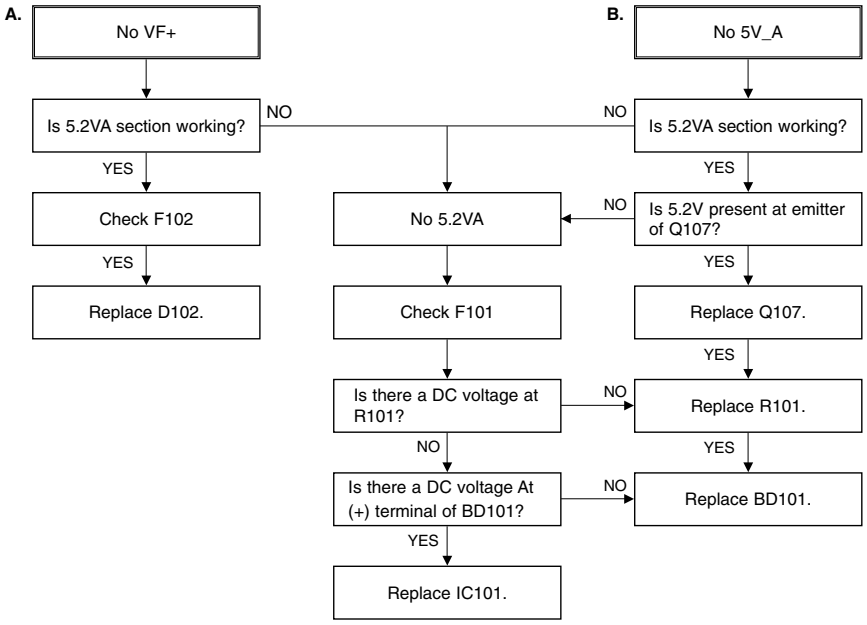
Note

Put the Base Main face down(Bottom Side)

1) Release 1 Screws(S5)
2) Unlock the Loading Motor (C2) from the Hook (H1) on the Base Main.
3) Unlock 2 Locking Tabs(L6) and separate the PWB Assembly Loading from the Base Main.

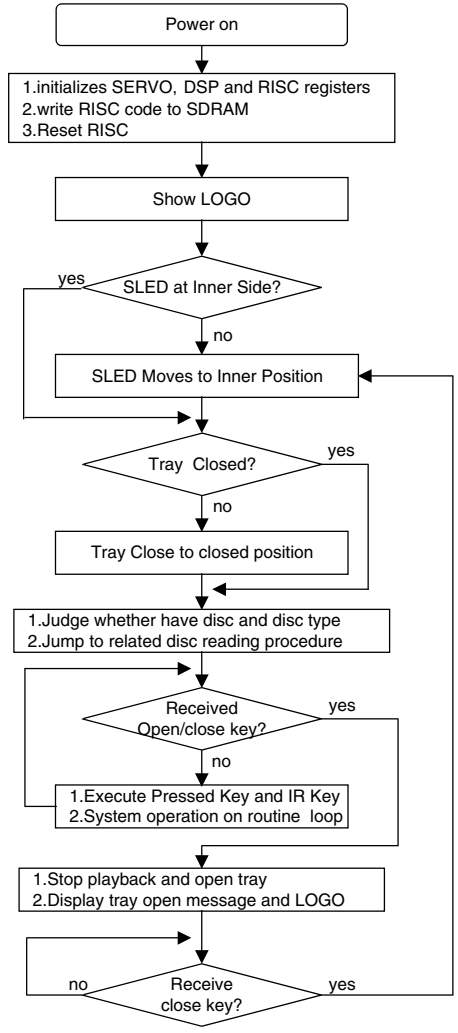
11. Base Main(Fig. 4-4)

1. Power check flow



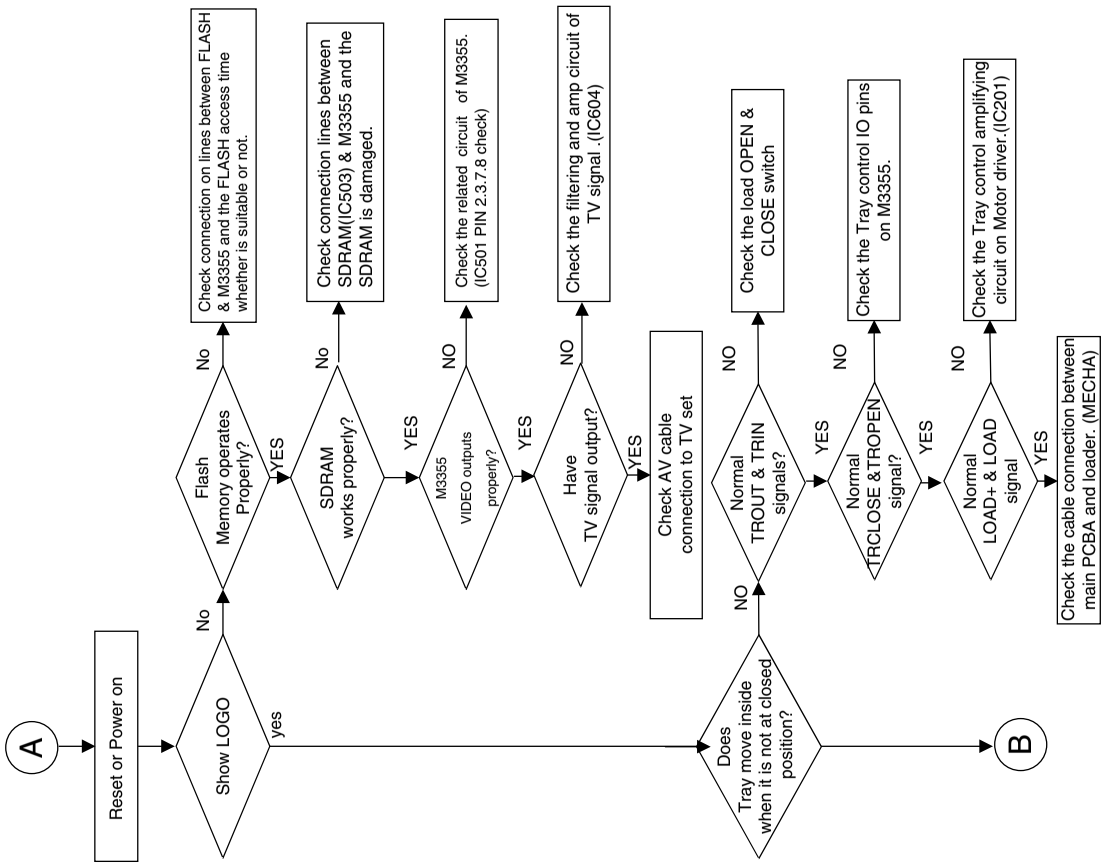
note: This Trobleshooting has various information.

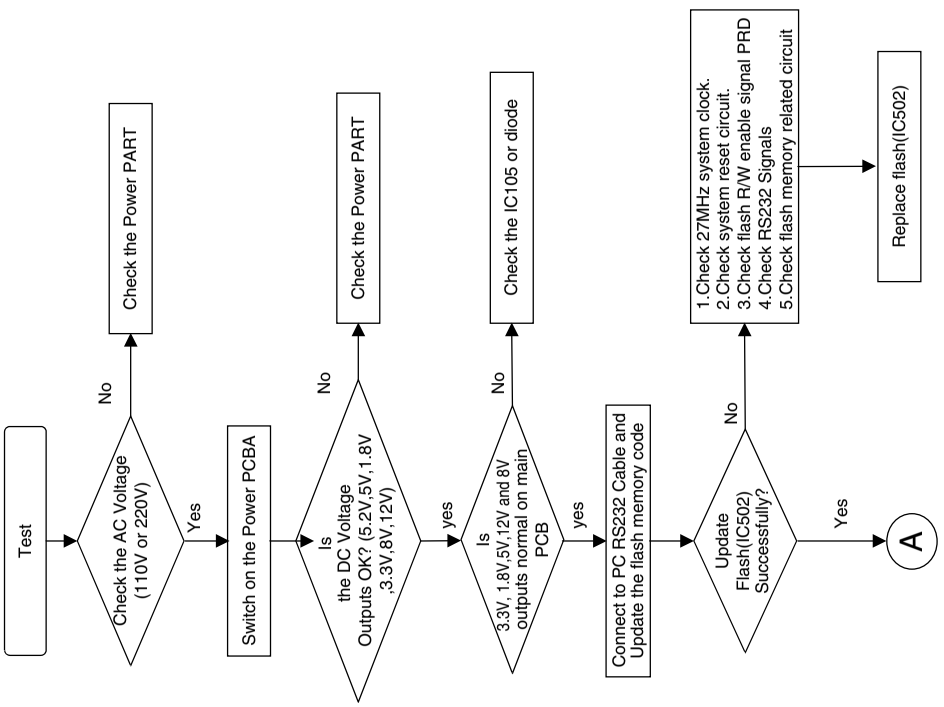
2. System operation flow



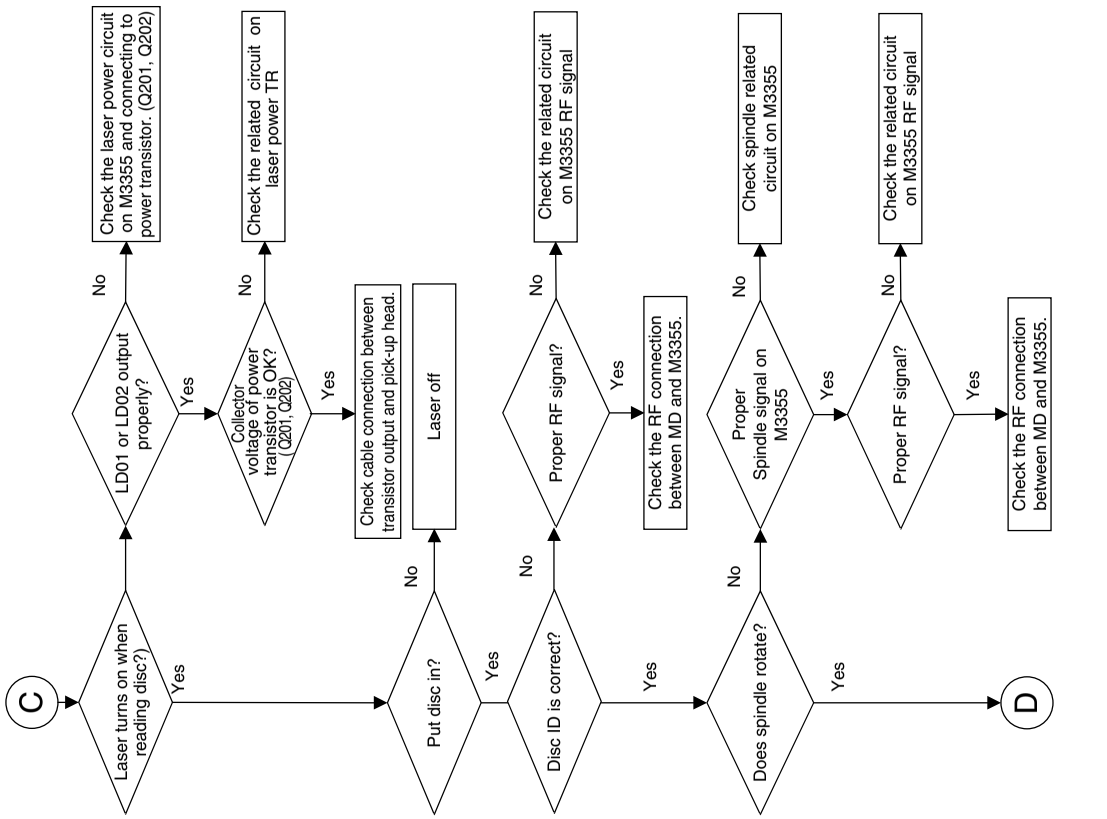
DVF-3080-S/8100

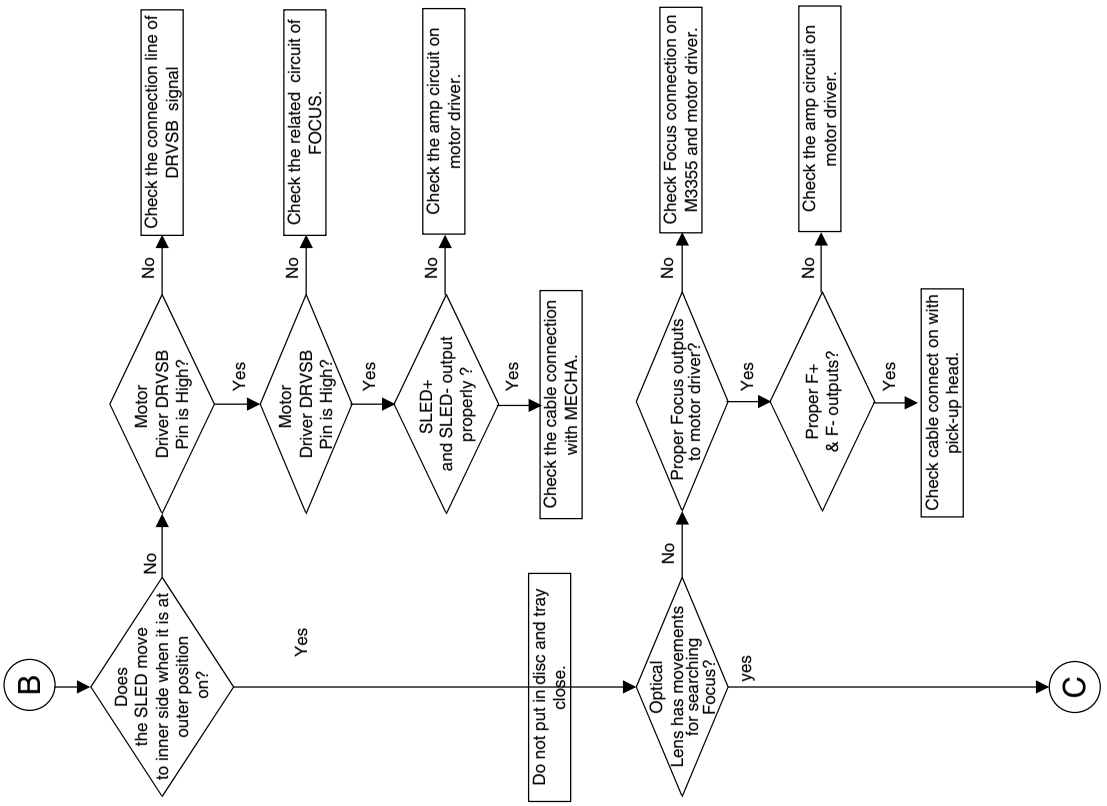
ELECTRICAL TROUBLESHOOTING GUIDE



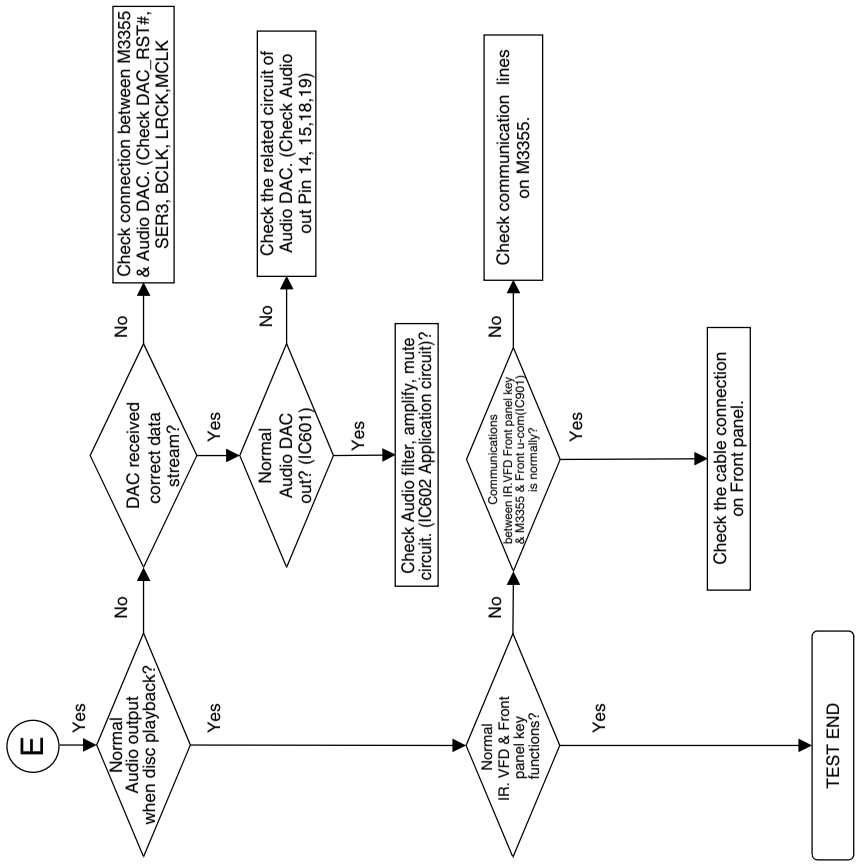


ELECTRICAL TROUBLESHOOTING GUIDE





ELECTRICAL TROUBLESHOOTING GUIDE



WAVEFORMS

1. SYSTEM 27MHz CLOCK, RESET SIGNAL

1) M3355 main clock is at 27MHz(X501)

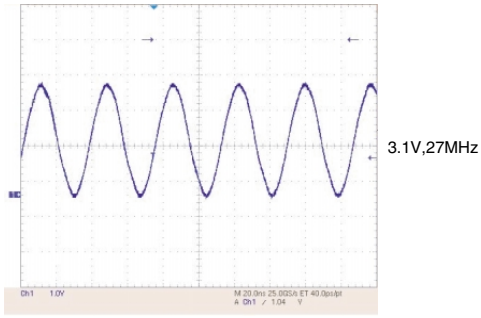


FIG 1-1

2) M3355 reset is low active

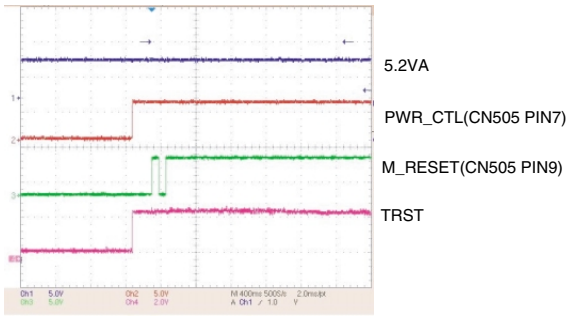


FIG 1-2

2. SDRAM CLOCK

1) SDRAM clock is at 135MHz

CLK=135MHz,Vp-p=3.3V

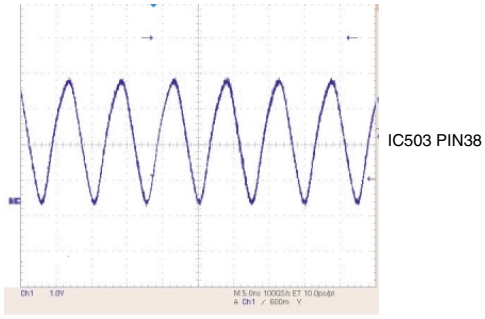


FIG 2-1

3. TRAY OPEN/CLOSE SIGNAL

1) Tray open/close waveform

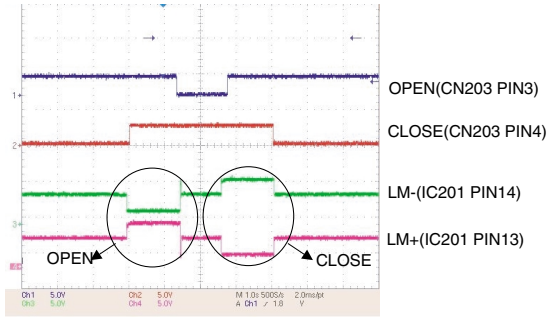


FIG 3-1

2) Tray open waveform

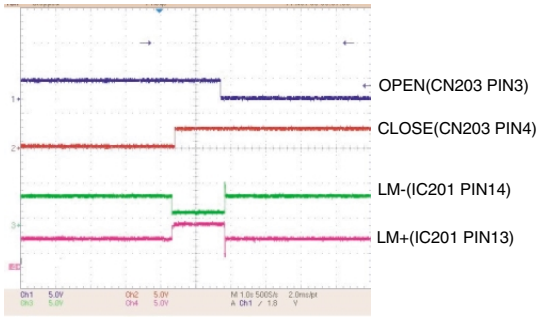


FIG 3-2

3) Tray close waveform

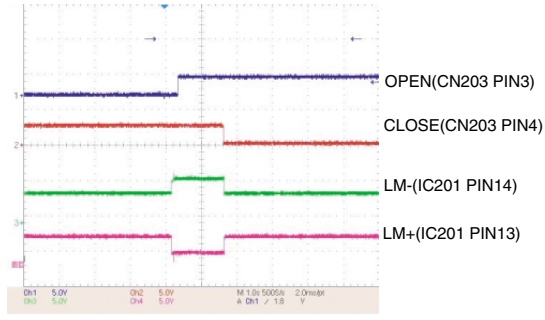


FIG 3-3

4. SLED CONTROL RELATED SIGNAL(NO DISC CONDITION)

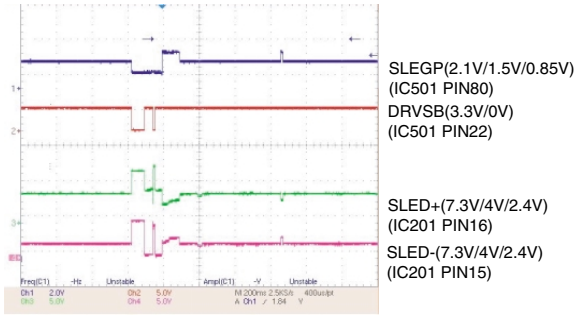


FIG 4-1

5. LENS CONTROL RELATED SIGNAL(NO DISC CONDITION)

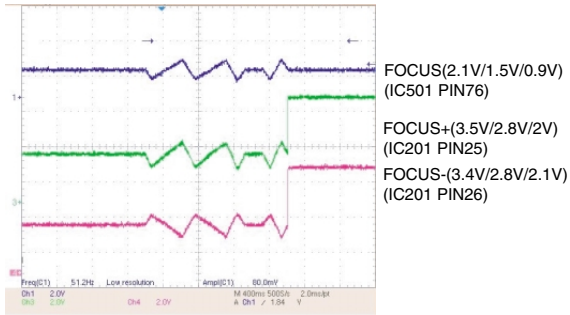


FIG 5-1

WAVEFORMS

6. LASER POWER CONTROL RELATED SIGNAL(NO DISC CONDITION)

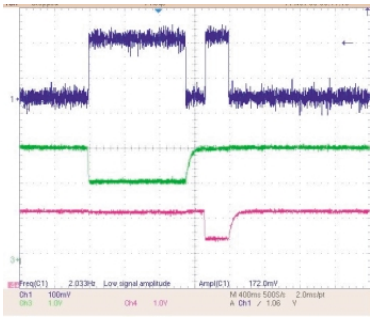


FIG 6-1

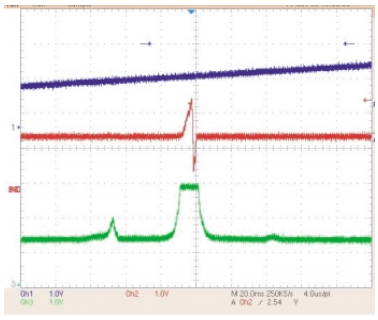


FIG 7-2(DVD)

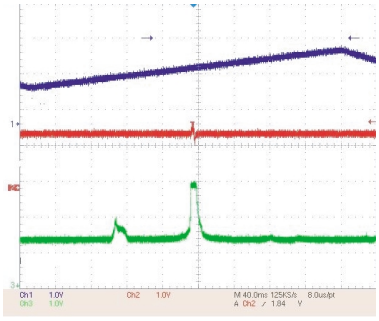


FIG 7-4 (CD)

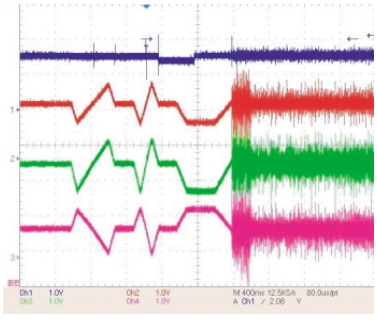


FIG 8-2 (CD)

7. DISC TYPE JUDGEMENT WAVEFORM

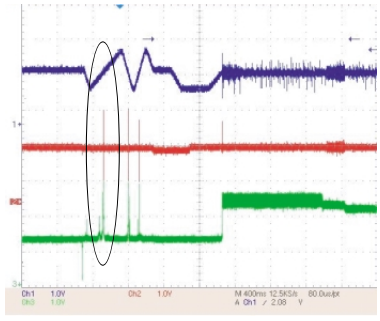


FIG 7-1(DVD)

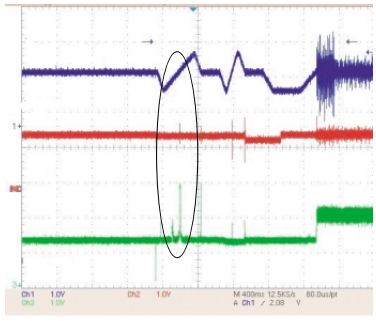


FIG 7-3 (CD)

8. FOCUS ON WAVEFORM

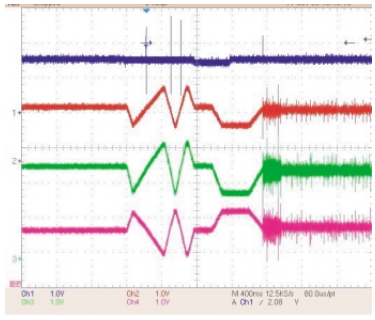


FIG 8-1 (DVD)

9. SPINDLE CONTROL WAVEFORM (NO DISC CONDITION

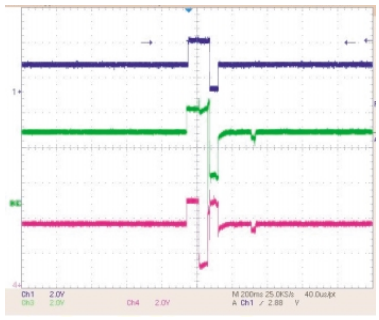


FIG 9-1 (DVD)

WAVEFORMS

10. TRACKING CONTROL RELATED SIGNAL(System checking)

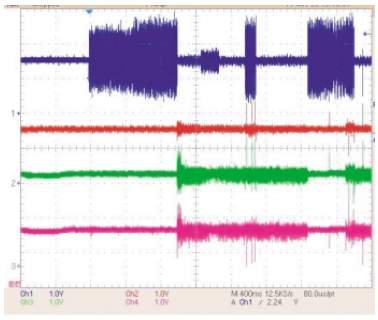


FIG 10-1 (DVD)

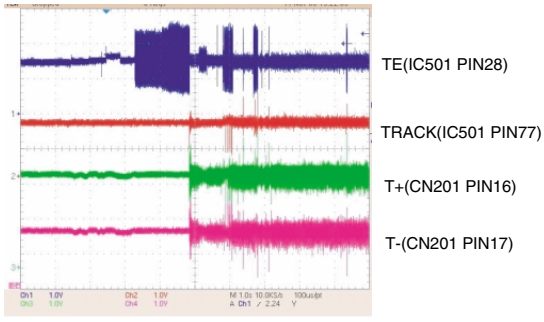


FIG 10-2(CD)

11. RF WAVEFORM

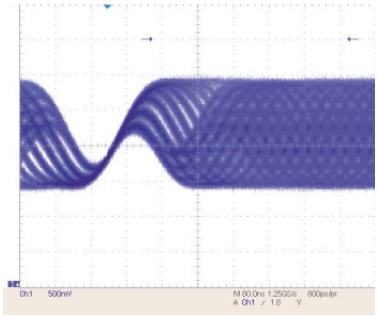


FIG 11-1

12. M3355 AUDIO OPTICAL AND COAXIAL OUTPUT(ASPDIF)

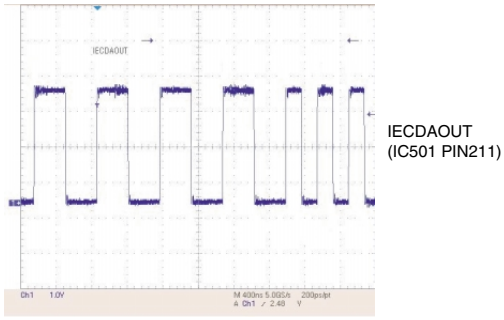


FIG 12-1

13.M3355 VIDEO OUTPUT WAVEFORM

1) Full colorbar signal(CVBS)

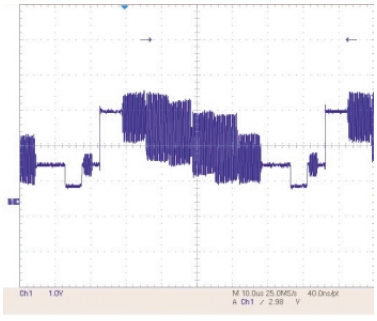


FIG 13-1

2) Y

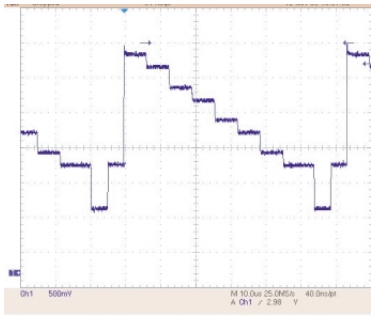


FIG 13-2

3) C

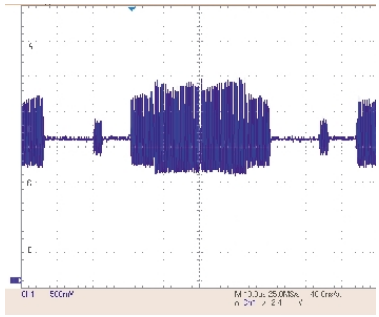


FIG 13-3

14. AUDIO OUTPUT FROM AUDIO DAC

1) AUDIO L/R

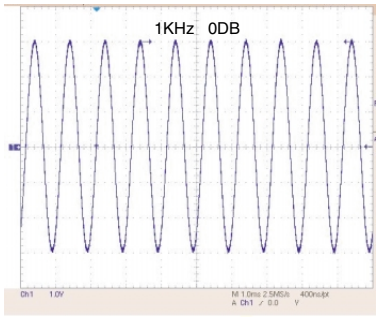
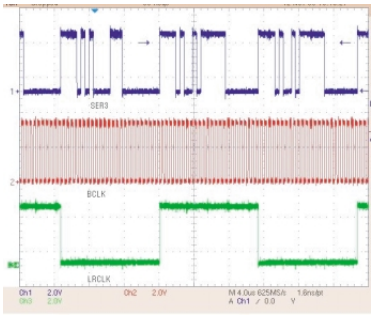


FIG 14-1

WAVEFORMS

2) Audio Related Signal



SER3(IC501 PIN167)

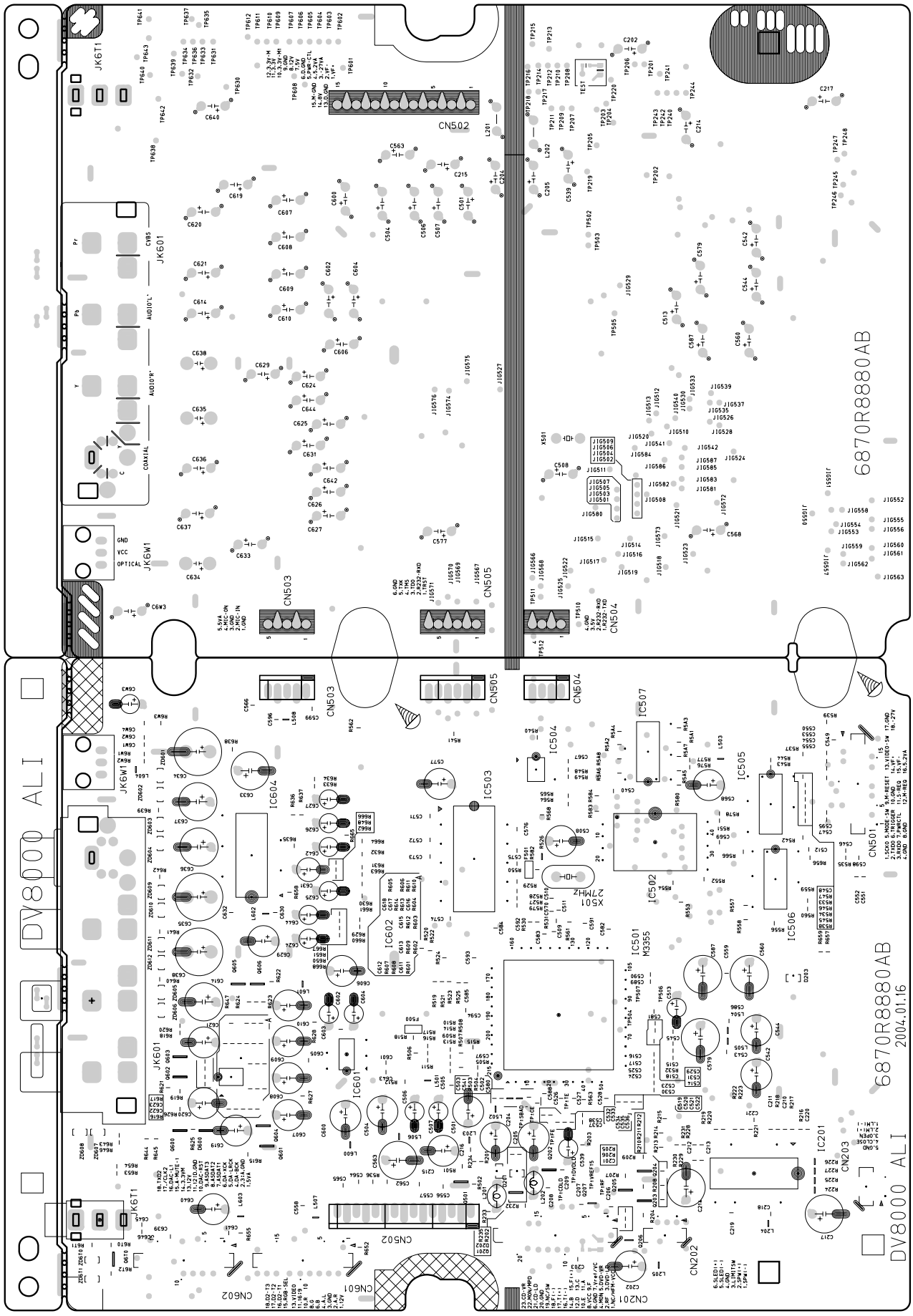
BCLK(IC501 PIN170)
2.312MHz

LRCLK(IC501 PIN168)
48KHz

FIG 14-2

PC BOARD

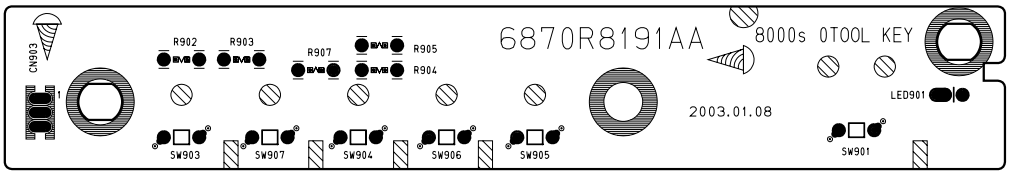
1. MAIN P.C.BOARD



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

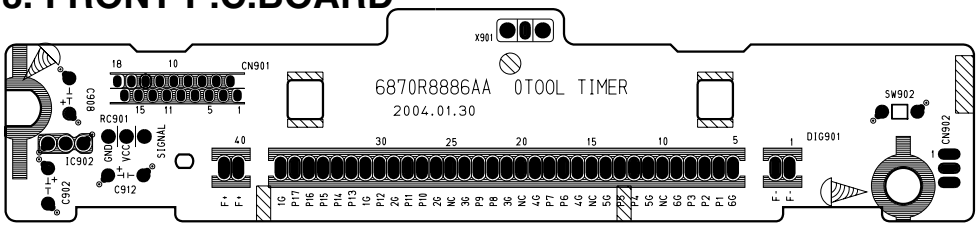
PC BOARD

2. KEY P.C.BOARD



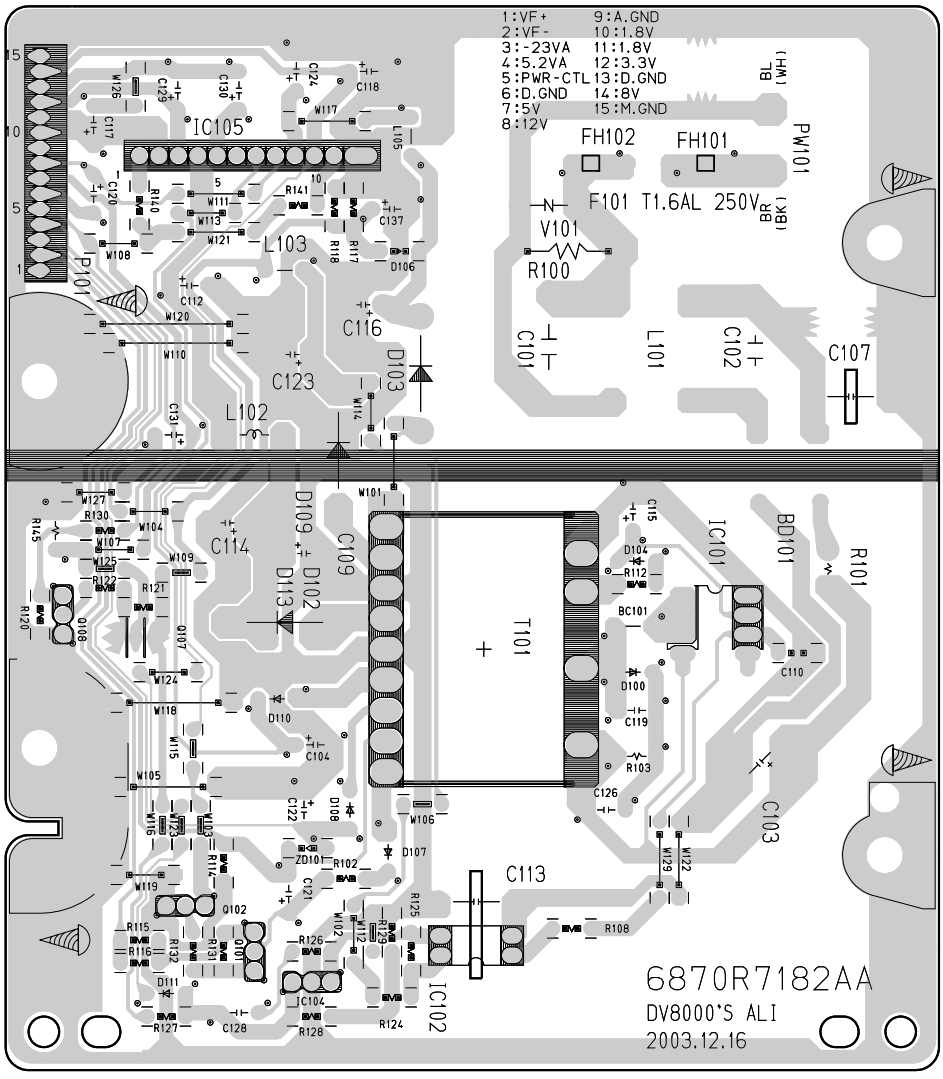
(Solder Side)

3. FRONT P.C.BOARD



(Solder Side)

4. SMPS P.C.BOARD



Note: This manual has no Scart pcb.

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

MODE / PIN NO.	STOP	PLAY	HOLD
IC201 (IP4504)			
1	1.49	1.52	1.52
2	2.58	2.59	2.65
3	2.63	2.61	2.63
4	2.61	2.57	2.6
5	2.63	2.82	3.15
6	2.6	2.69	2.65
7	2.63	2.68	2.72
8	0	0	0
9	1.51	1.48	1.48
10	3.79	3.8	3.43
11	0.2	0.2	0.2
12	0.2	0.2	0.2
13	3.96	3.95	3.59
14	3.95	3.94	3.95
15	3.96	3.9	4.1
16	3.97	3.58	3.64
17	3.94	2.86	2.07
18	3.93	5.01	5.03
19	7.95	7.94	7.56
20	1.51	1.79	1.85
21	1.51	1.53	1.57
22	1.51	1.52	1.52
23	2.73	2.73	2.33
24	5.21	5.18	5.21
25	1.02	0.09	3.15
26	2.63	2.84	2.9
27	2.61	2.63	3.13
28	2.62	2.57	2.6
IC105(AN80T54)			
1	5.07	5.06	
2	1.81	1.81	
3	3.34	3.34	
4	3.94	3.92	
5	3.37	3.34	
6	0	0	
7	12.89	12.89	
8	11.91	11.91	
9	9.71	9.51	
10	8.08	8.02	
11	5.07	5.05	
12	0	0	

MODE / PIN NO.		STOP	PLAY	HOLD
IC501(M3355)				
1	VD33A_TVDAC	3.2	3.16	3.18
2	XDAC3OUT	0.11	0.06	0
3	XDAC2OUT	0	0.06	0
4	XIREF1	1.66	1.64	1.64
5	XIDUMP	0.34	0.35	0.39
6	XIEXT	1.22	1.22	1.22
7	XDAC1OUT	0.56	0.35	0.34
8	XDAC0OUT	0.61	0.69	0.69
9	GNDA_TVDAC	0	0	0.04
10	VD33A_TVDAC	3.2	3.16	3.16
11	XGPIO[15]	3.18	3.12	3.14
12	XGPIO[14]	0.01	0.08	0
13	XGPIO[13]	0.22	0.2	0.2
14	VD33D	3.2	3.18	3.2
15	XGPIO[12]	2.71	2.77	2.77
16	GNDD	0	0	0
17	XGPIO[11]	0.2	0.2	0.2
18	XGPIO[10]	0	0.01	0
19	VD18D	1.7	1.69	1.71
20	XGPIO[9]	3.03	2.93	2.64
21	GNDD	0	0	0
22	XGPIO[8]	3.2	3.17	2.69
23	VDD3MIX1	3.2	3.18	3.18
24	XSBLPFO	1.47	2.22	1.47
25	XCELPFO	1.6	1.56	1.6
26	AVDD_AD	3.18	3.15	3.15
27	XFELPFO	1.52	1.5	1.52
28	XTELPFO	1.71	1.48	1.49
29	AVSS_AD	0	0	0
30	AVDD_SVO	0	0	0
31	XTELP	1.66	1.47	1.54
32	XTEXO	1.54	1.48	1.54
33	AVDD_SVO	3.18	3.15	3.18
34	XVREF21	3.1	2.1	2.1
35	XBIASR	1.23	1.23	1.24
36	XDVDPD	0	0	0
37	AVSS_GA	0	0	0
38	XCDPD	0	0	0
39	XDVDLD	3.18	1.78	1.78
40	XCDLD	3.17	3.14	3.14
41	AVSS_DPD	0	0	0
42	XPDAUX2	1.6	0.67	0.6
43	XPDAUX1	1.61	0.67	0.6
44	XCD_F	2.1	2.12	2.12
45	XCD_E	2.1	2.12	2.1
46	XCD_D	2.11	2.12	2.14
47	XCD_C	2.11	2.25	2.11
48	XCD_B	2.1	2.24	2.2
49	XCD_A	2.1	2.22	2.22
50	AVDD_DPD	3.18	3.15	3.17
51	XDVD_D	2.11	2.23	2.11
52	XDVD_C	2.11	2.25	2.11
53	XDVD_B	2.1	2.11	2.1
54	XDVD_A	2.1	2.22	2.1

MODE / PIN NO.		STOP	PLAY	HOLD
55	XDPD_D	2.11	2.1	2.1
56	XDPD_C	2.11	2.1	2.1
57	XDPD_B	2.1	2.1	2.11
58	XDPD_A	2.11	2.1	2.1
59	AVDD_RC	3.18	3.15	3.15
60	XCDRF	2.32	2.1	2.1
61	XDVDRFP	2.1	2.1	2.1
62	XDVDRFN	2.07	2.11	2.1
63	XATTOP	0.91	0.9	0.88
64	XATTON	0.9	0.89	0.89
65	XVGAIN	2.05	2.03	2.04
66	XVGAIP	2.05	2.03	2.03
67	XGMBIASR	1.87	1.86	1.86
68	XLPFOP	0.91	0.9	0.92
69	XLPFON	0.89	0.88	0.87
70	AVSS_RC	0	0	0
71	AVSS_RAD	0	0	0
72	XADCIN	1.73	1.74	1.72
73	XADCIP	1.7	1.7	1.71
74	AVDD_RAD	3.18	3.15	3.15
75	AVDD_DA	3.18	3.15	3.16
76	XFOCUS	1.52	1.36	1.36
77	XTRACK	1.49	1.55	1.53
78	VDD3MIX2	3.19	3.17	3.18
79	XSLEGN	2.44	2.51	2.49
80	XSLEGP	1.49	1.57	1.53
81	AVSS_GD	0	0	0
82	XSPINDLE	1.49	2.06	2.41
83	XVREF15	1.48	1.52	1.51
84	XSFGP	2.17	2.16	0
85	XSFGN	2.12	2.54	2.12
86	AVSS_DA	2.18	2.54	0
87	XTRAY	2.5	2.44	0
88	XTESTDA	2.5	2.51	2.51
89	DVSS_RCK	0	0	0
90	XSFLAG[0]	3.19	3.16	0
91	XSFLAG[1]	3.2	3.16	0
92	DV18_RCK	1.7	1.72	1.72
93	XROMDATA[0]	3.19	3.17	3.17
94	GNDD	0	0	0
95	XROMDATA[1]	0	0	0
96	VD18D	1.11	1.71	1.71
97	XROMDATA[2]	0	0	0
98	XROMDATA[3]	0	0	0
99	XROMDATA[4]	0	0	0
100	XROMDATA[5]	0	0	0
101	XROMDATA[6]	0	0	0
102	XROMDATA[7]	0	0	0
103	XROMOEJ	3.18	3.17	3.18
104	GNDD	0	0	0
105	XROMWEJ	3.19	3.17	3.17
106	XALE	0	0	0
107	XROMADR[20]	3.19	3.16	3.18
108	XROMADR[19]	3.19	3.14	3.19
109	XROMADR[18]	3.19	3.17	3.18

MODE / PIN NO.		STOP	PLAY	HOLD
110	XROMADR[17]	3.19	3.17	3.16
111	XROMADR[16]	3.19	3.17	3.18
112	XROMADR[15]	3.19	3.17	3.17
113	XROMADR[14]	3.19	3.17	3.18
114	XROMADR[13]	3.19	3.17	3.17
115	VD33D	3.19	3.17	3.18
116	XROMADR[12]	3.19	3.17	3.18
117	XROMADR[11]	3.19	3.17	3.16
118	XROMADR[10]	3.19	3.17	3.16
119	XROMADR[9]	3.19	3.17	3.16
120	XROMADR[8]	3.19	3.17	3.18
121	XROMADR[7]	3.19	3.17	3.17
122	XROMADR[6]	3.19	3.17	3.17
123	XROMADR[5]	3.19	3.17	3.16
124	GNDD	0	0	0
125	XROMADR[4]	3.19	3.19	3.17
126	VD18D	1.69	1.71	1.7
127	XROMADR[3]	0	0	0
128	XROMADR[2]	0	0	0
129	XROMADR[1]	0	0	0
130	GNDD	0	0	0
131	XROMADR[0]	0	0	0
132	XCRESETJ	5.25	5.25	5.25
133	XEXTINTJ	3.19	3.17	3.18
134	XCTXD	3.25	3.23	3.23
135	XIN_XCLK			
136	XOUT			
137	VD18A_PLL	1.6	1.62	1.61
138	XTOCK	5.19	5.21	5.21
139	GNDA_PLL	0	0	0
140	XGPIO[7]	0	0	0
141	XGPIO[6]	3.14	3.14	3.14
142	VD33D	3.19	3.17	3.17
143	XDMCLK	1.8	1.77	1.77
144	XCKE	2.93	2.94	2.93
145	VD18D	1.69	1.7	1.71
146	XMA[9]	0	0	0
147	GNDD	0	0	0
148	XMA[8]	0	0	0
149	XMA[7]	0.14	0.12	0.12
150	XMA[6]	0.17	0.16	0.27
151	XMA[5]	0.16	0.15	0.14
152	XMA[4]	0.17	0.12	0.11
153	GNDD	0	0	0
154	XMD[8]	2.81	2.17	2.48
155	XMD[9]	2.69	2.87	2.52
156	XMD[10]	2.81	2.87	2.57
157	XMD[11]	2.8	2.87	2.55
158	VD33D	3.2	3.17	3.17
159	XMD[12]	2.87	2.87	2.54
160	XMD[13]	2.84	2.17	2.18
161	XMD[14]	2.88	2.84	2.72
162	XMD[15]	2.77	2.88	2.78
163	XMD[0]	2.79	2.76	2.7
164	XMD[1]	1.7	2	2.33

MODE / PIN NO.		STOP	PLAY	HOLD
165	GNDD	0	0	0
166	XMD[2]	2.89	0	0
167	XMD[3]	2.88	2.84	2.6
168	XMD[4]	2.9	2.89	2.47
169	XMD[5]	2.88	2.88	2.3
170	GNDD	0	0	0
171	XMD[6]	2.82	2.88	2.31
172	VD18D	1.7	1.7	1.71
173	XMD[7]	2.07	2.07	2.49
174	XMA[3]	0.19	0.2	0.16
175	XMA[2]	0.2	0.16	0.22
176	XMA[1]	0.21	0.16	0.24
177	XMA[0]	2.05	0.18	0.07
178	XMA[10]	2.04	1.82	2.7
179	VD33D	3.2	3.17	3.17
180	XBA0	2.97	2.43	2.88
181	XBA1	2.58	2.21	2.58
182	XMA[11]	0	0.13	0.04
183	XRASJ	0.06	0.13	0.01
184	XCASJ	3.02	2.58	2.96
185	XWEJ	3.18	3.14	3.08
186	XDQM	0	0.08	0
187	XCSJ	2.96	2.22	2.81
188	XTRSTJ	3.2	3.16	3.11
189	VD18D	1.69	1.71	1.7
190	XTDO	0	0.09	0
191	GNDD	0	0	0
192	XTCK	3.8	3.1	3.05
193	XTMS	3.43	0.09	3.04
194	XTDI	3.18	3.03	3.03
195	XGPIO[5]	3.15	0.09	0.12
196	XGPIO[4]	3.18	3.16	3.18
197	XGPIO[3]	3.14	3.13	3.1
198	XGPIO[2]	0	3.08	3.19
199	XGPIO[1]	0	1.69	0
200	XGPIO[0]	3.2	0.07	3.19
201	XDASCLK	1.46	1.52	1.48
202	GNDD	0	0	0
203	XBCLK	1.33	1.33	1.33
204	XLRCLK	0	0.14	0.01
205	XASDA[3]	0	0.14	0.01
206	XASDA[2]	0.08	0.14	0.01
207	XASDA[1]	0.08	1.62	0.08
208	GNDD	0	0	0
209	XASDA[0]	0.08	0	0.08
210	VD18D	1.7	1.45	1.71
211	XIECDATA	1.7	1.71	1.71
212	VD33A_ADC	3.2	3.17	3.2
213	XMIC1IN	1.45	1.45	1.45
214	XADC_VREF	1.45	1.45	1.45
215	XMIC2IN	1.47	0.1	0.01
216	GNDA_ADC	0	0.09	0.01

DVF-3080-S/8100

CIRCUIT VOLTAGE CHART

MODE / PIN NO.	STOP	PLAY	HOLD
IC502 (MX29L800)			
1	3.2	3.17	
2	0	3.17	
3	3.2	3.17	
4	3.2	0.97	
5	3.2	3.16	
6	3.2	3.16	
7	0	3.16	
8	0	3.16	
9	0	3.16	
10	0	1.02	
11	3.2	3.16	
12	5.25	5.25	
13	0	2.73	
14	1.54	3.19	
15	1.33	1.71	
16	3.2	2.43	
17	3.2	3.17	
18	3.2	3.16	
19	1.7	3.17	
20	2.2	3.17	
21	0	3.17	
22	0	3.17	
23	0	0	
24	0	0	
25	0	0	
26	0	0	
27	0	0	
28	3.2	3.17	
29	3.2	3.17	
30	0	0	
31	0	0	
32	0	0	
33	0	0	
34	0	0	
35	3.2	0	
36	0	0	
37	3.2	3.23	
38	3.26	0	
39	3.2	3.17	
40	0	0	
41	3.2	3.17	
42	0	0	
43	0	3.17	
44	0	0	
45	0	0	
46	0	0	
47	0	0	
48	3.2	3.17	
IC503 (M12L64164A)			
1	3.25	3.23	
2	2.85	2.86	
3	3.25	3.22	
4	2.87	2.87	
5	2.85	2.5	

MODE / PIN NO.	STOP	PLAY	HOLD
6	0	0	
7	2.81	2.1	
8	2.9	2.04	
9	3.25	3.22	
10	2.85	2.1	
11	2.87	2.91	
12	1.9	0	
13	2.8		
14	3.25	3.22	
15	0	0	
16	3.18	3.1	
17	3.07	2.58	
18	3.14	0.61	
19	2.95	2.97	
20	2.9	2.96	
21	2.6	0.32	
22	2.81	2.83	
23	0.05	0.06	
24	0.16	0.18	
25	0.16	0.18	
26	0.16	0.17	
27	3.26	3.24	
28	0	0.59	
29	0.16	0.17	
30	0.15	0.53	
31	0.16	0.53	
32	0.12	0.5	
33	0.05	0.16	
34	0.05	0.17	
35	0.04	0.5	
36	2.85	0.08	
37	3.26	3.236	
38	1.79	1.78	
39	0	0	
40	2.7	0.1	
41	2.7	0	
42	2.9	2	
43	3.26	3.23	
44	2.92	1.95	
45	2.92	2.01	
46	0	0	
47	2.92	2.03	
48	2.94	2.17	
49	3.26	3.23	
50	2.91	2	
51	2.94	2	
52	0	0	
53	2.9	1.85	
54	0	0	
IC504(AT24CO2A)			
1	0	0	
2	0	0	
3	0	0	
4	0	0	
5	0	0.12	

MODE / PIN NO.	STOP	PLAY	HOLD
6	3.21	3.16	
7	0	0	
8	3.25	3.23	
IC506 (LCX373)			
1	0	0	
2	0	0	
3	0	0	
4	0	0	
5	0	0	
6	0	0	
7	0	0	
8	0	0	
9	0	0	
10	0	0	
11	0	0	
12	0	3.23	
13	0	3.17	
14	0	0	
15	0	0	
16	0	0	
17	0	0	
18	0	0	
19	0	0	
20	3.3	3.23	
IC601(CS4391)			
1	3.25	3.23	
2	3.27	3.26	
3	0	0	
4	1.35	1.35	
5	1.64	1.63	
6	1.56	1.56	
7	0	0	
8	3.19	3.16	
9	0.12	0.13	
10	3.2	3.17	
11	5.11	5.1	
12	2.11	2.1	
13	5.04	0	
14	2.29	2.29	
15	2.28	2.28	
16	0	0	
17	5.19	5.18	
18	2.29	2.28	
19	2.3	2.29	
20	5.04	0	
IC604(MM1623)			
1	5.17	5.16	
2	2.52	2.47	
3	5.17	5.16	
4	1.36	1.27	
5	0	0	
6	1.68	1.55	
7	0	0	
8	2.52	2.51	
9	0	0	

MODE / PIN NO.	STOP	PLAY	HOLD
10	1.68	1.53	
11	0	0	
12	2.49	2.47	
13	5.17	5.16	
14	2.5	2.47	
15	0	0	
16	2.53	2.52	
17	0	0	
18	2.51	2.51	
19	0	0	
20	2.18	2	
21	2.16	2.05	
22	0	0	
23	2.16	1.96	
24	0.25	0.42	
25	0.23	0.42	
26	2.51	2.51	
27	0.53	0.8	
28	5.17	5.16	
IC901			
1	0.1	0.1	
2	5.19	5.19	
3	2.28	2.2	
4	2.4	2.2	
5	5.24	5.24	
6			
7			
8	0	0	
9	0	0	
10	0	0	
11	0	0	
12	5.24	5.24	
13	5.24	5.24	
14	5.06	5.16	
15	0	0	
16	0	0	
17	5.24	5.24	
18	5.2	5.2	
19	5.24	5.24	
20	0	0	
21	0	0	
22	0	0	
23	2.72	2.72	
24	5.24	5.24	
25	5.24	5.24	
26			
27	3.13	3.13	
28	23.74	24.19	
29	27.96	26.4	
30	25.84	28.47	
31	27.97	26.34	
32	25.84	26.37	
33	27.96	30.72	
34	25.84	26.32	
35	30.1	28.55	

MODE / PIN NO.	STOP	PLAY	HOLD
36	25.83	21.96	
37	27.96	19.87	
38	27.94	28.5	
39	27.95	26.33	
40	30.09	24.16	
41	27.94	28.6	
42	30.09	24.51	
43	28.09	30.66	
44	30.09	28.75	
45	30.09	30.7	
46	30.09	30.82	
47	30.09	30.8	
48	28.12	28.72	
49	28.13	28.68	
50	28.06	28.85	
51	28.16	28.81	
52	28.14	28.32	
53	28.13	28.82	
54	28.12	28.86	
55	28.14	28.81	
56	30.23	31	
57	2.1	1.99	
58	2.2	1.99	
59	2.24	2.24	
60	2.17	2	
61	0	0	
62	0	0	
63	0	0	
64	3.2	3.18	

MODE / PIN NO.	STOP	PLAY
C217		
+	5.21	5.19
-	0	0
C544		
+	3.19	3.16
-	0	0
C508		
+	1.62	1.6
-	0	0
C563		
+	3.27	3.25
-	0	0
C607		
+	5.42	5.41
-	2.28	2.28
C640		
+	5.21	5.2
-	0	0
C644		
+	1.32	1.26
-	0.67	0.76
C633		
+	2.51	2.5
-	2.35	2.35
C902		
+	5.25	5.25
-	0	0
C109		
+	3.96	3.93
-	0	0
C214		
+	7.96	7.94
-	0	
C579		
+	3.2	3.16
-	0	0
C204		
+	3.2	3.15
-	3.18	3.13
C504		
+	3.21	3.18
-	0	0
C608		
+	5.41	5.41
-	2.27	2.27
C621		
+	5.42	5.41
-	0	0
C625		
+	1.65	1.66
-	0.53	0.51
C634		
+	2.15	2.13
-	2.05	2.13

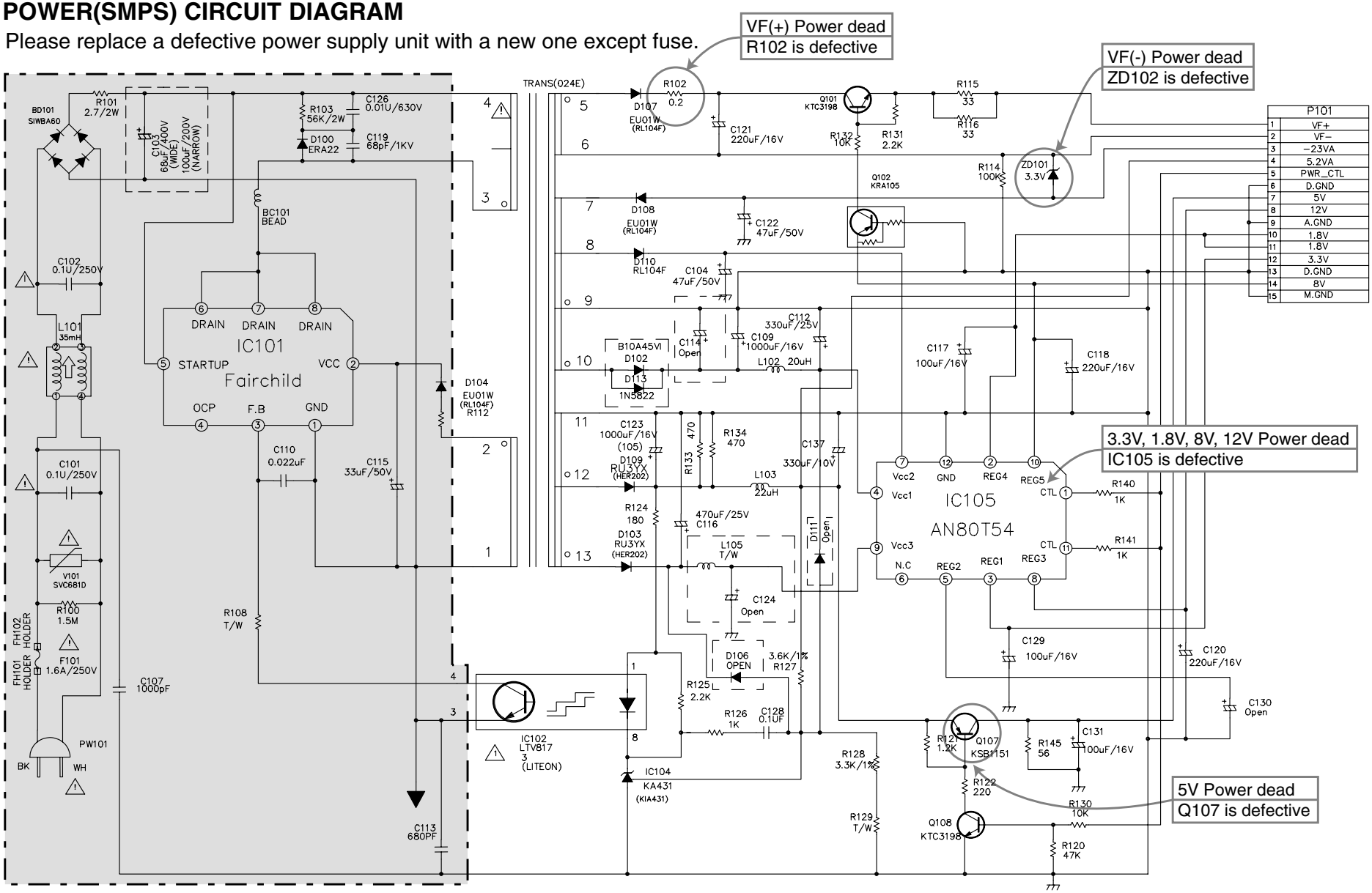
MODE / PIN NO.	STOP	PLAY
C912		
+	4.85	4.85
-	0	0
C112		
+	3.94	3.91
-	0	0
C131		
+	5.11	5.1
-	0	0
C202		
+	5.21	5.19
-	0	0
C513		
+	1.51	1.52
-	0	0
C215		
+	3.2	3.15
-	0	0
C600		
+	3.28	3.26
-	0	0
C609		
+	5.41	5.41
-	2.27	2.27
C614		
+	5.42	6.41
-	0	0
C631		
+	2.51	2.5
-	0	0
C637		
+	2.52	2.5
-	2.37	2.36
C908		
+	5.25	5.25
-	0	
C123		
+	5.19	5.19
-	0	0
C217		
+	11.91	11.91
-	0	0
C539		
+	2.1	2.1
-	0	0
C587		
+	1.72	1.7
-	0	0
C501		
+	3.2	3.16
-	0	0
C604		
+	2.25	2.19
-	0	0

MODE / PIN NO.	STOP	PLAY
C610		
+	5.41	5.41
-	2.28	2.28
C638		
+	2.15	2.78
-	0	0
C626		
+	2.5	2.49
-	0	0
C636		
+	2.51	2.5
-	2.31	2.31
C121		
+	19.86	20.24
-	25.56	25
C137		
+	5.17	5.17
-	0	0
C129		
+	3.3	3.3
-	0	0
C205		
+	3.19	3.15
-	3.18	1.77
C560		
+	1.72	1.71
-	0	0
C507		
+	0	0
-	1.47	1.45
C602		
+	5.11	5.1
-	0	0
C619		
+	11.69	11.67
-	0	0
C629		
+	5.17	5.16
-	0	0
C627		
+	2.5	2.5
-	0	0
C635		
+	2.17	2.32
-	2.07	2.08
C122		
+	0	0
-	30.2	30.71
C116		
+	9.71	9.51
-	0	0
C542		
+	3.19	3.16
-	0	0

MODE / PIN NO.	STOP	PLAY
C568		
+	3.26	3.23
-	0	0
C506		
+	1.46	1.44
-	0	0
C606		
+	5.19	5.18
-	0	0
C620		
+	5.42	5.41
-	0	0
C624		
+	2.49	2.48
-	0.67	0.67
C577		
+	3.26	3.23
-	0	0
C6W3		
+	5.12	5.11
-	0	0
C104		
+	12.89	12.89
-	0	0
C118		
+	8.07	8.05
-	0	0

1. POWER(SMPS) CIRCUIT DIAGRAM

Please replace a defective power supply unit with a new one except fuse.



NOTES) ⚠ Warning
Parts that are shaded are critical With respect to risk of fire or electricial shock.

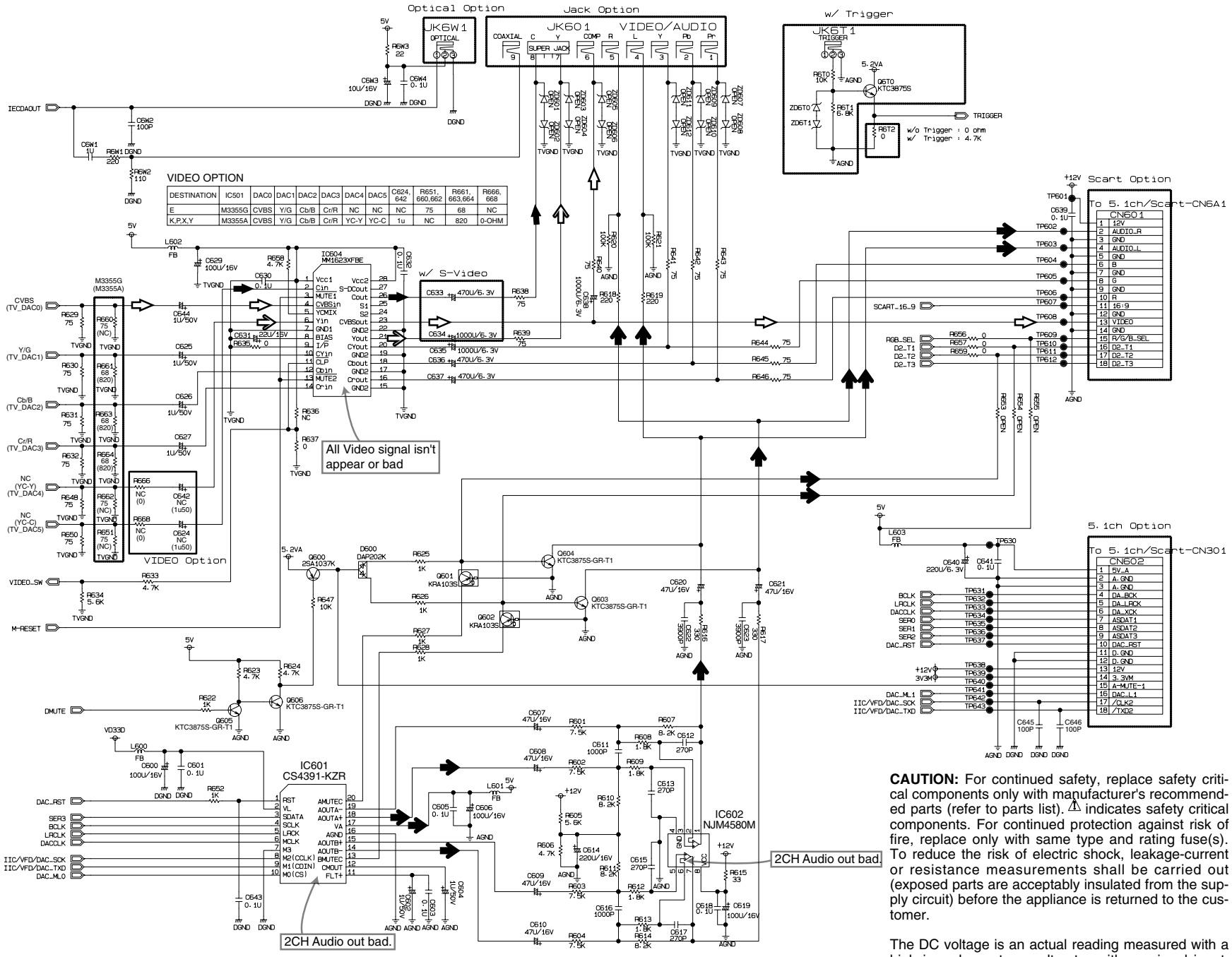
NOTES : Symbol denotes AC ground.
Symbol denotes DC chassis ground.

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

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

DVF-3080-S/8100

2. AV/JACK CIRCUIT DIAGRAM

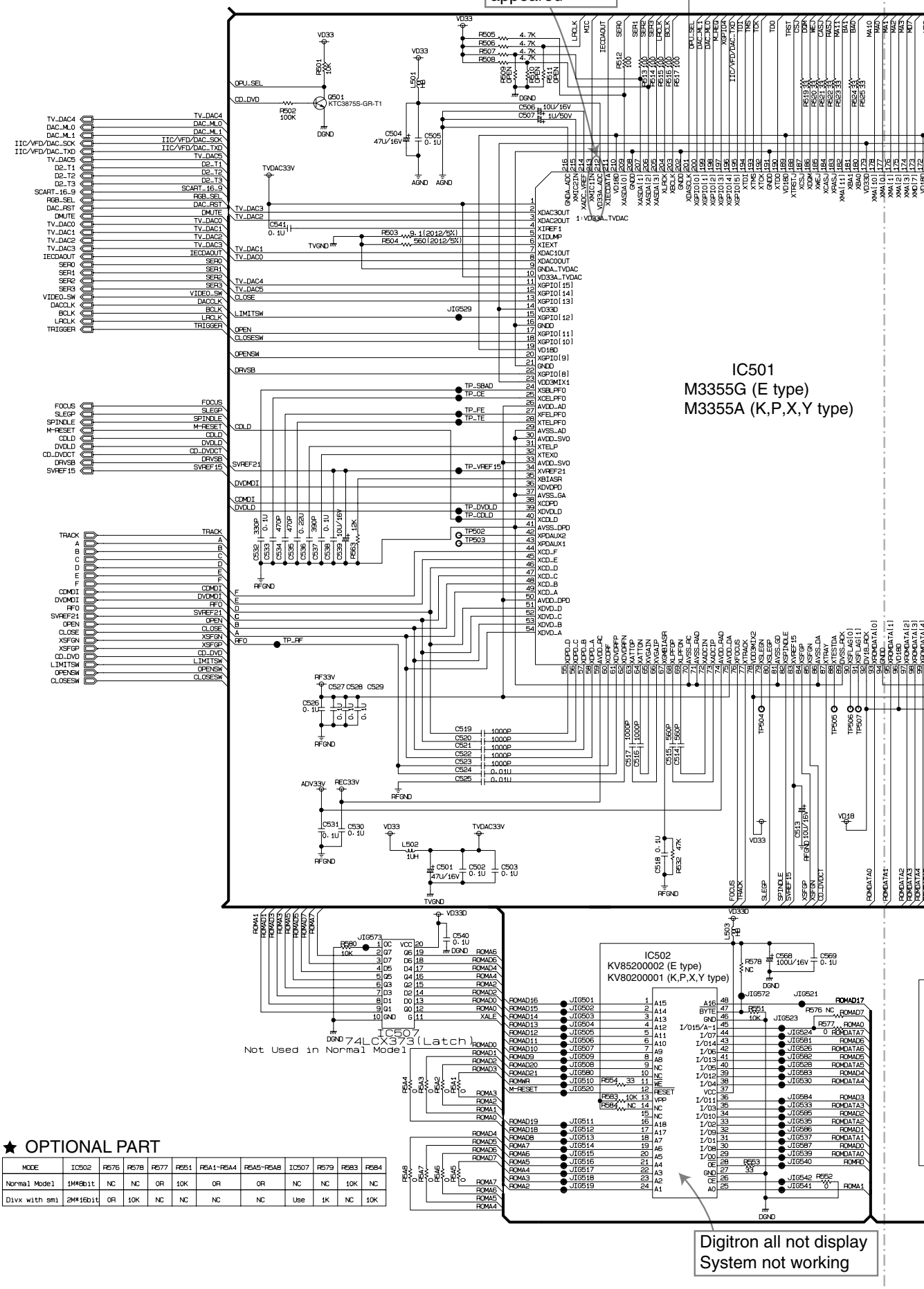


CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock,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

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

Video Signal Y
Video Signal Color
Video Signal CVBS
2CH Audio

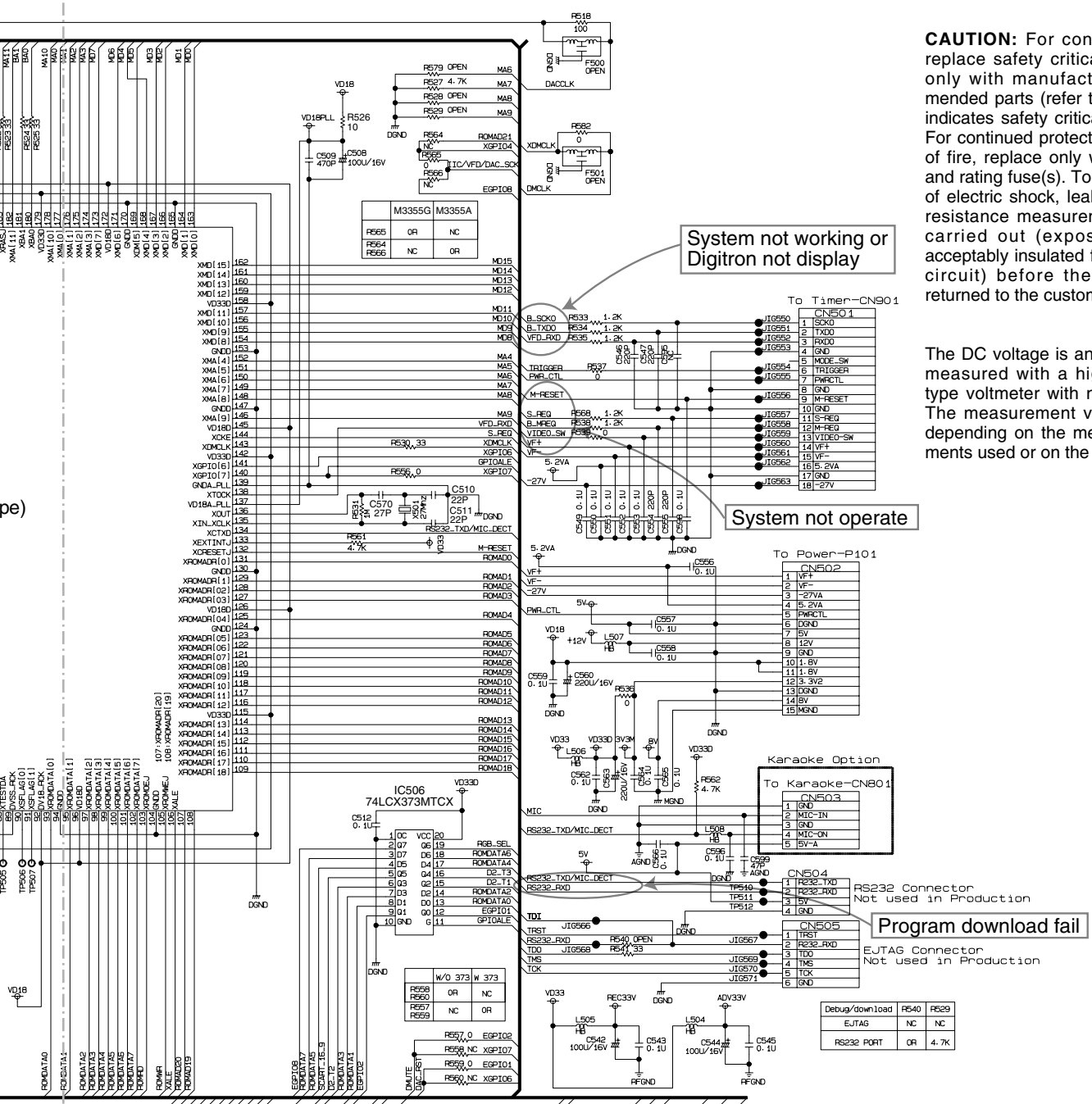
3. SYSTEM CIRCUIT DIAGRAM



★ OPTIONAL PART

MODE	IC502	R576	R578	R577	R551	R5A1-R5A4	R5A5-R5A8	IC507	R579	R583	R584
Normal Model	1M*8bit	NC	NC	0R	10K	0R	0R	NC	NC	10K	NC
Divx with smi	2M*16bit	0R	10K	NC	NC	NC	NC	Use	1K	NC	10K

DVF-3080-S/8100

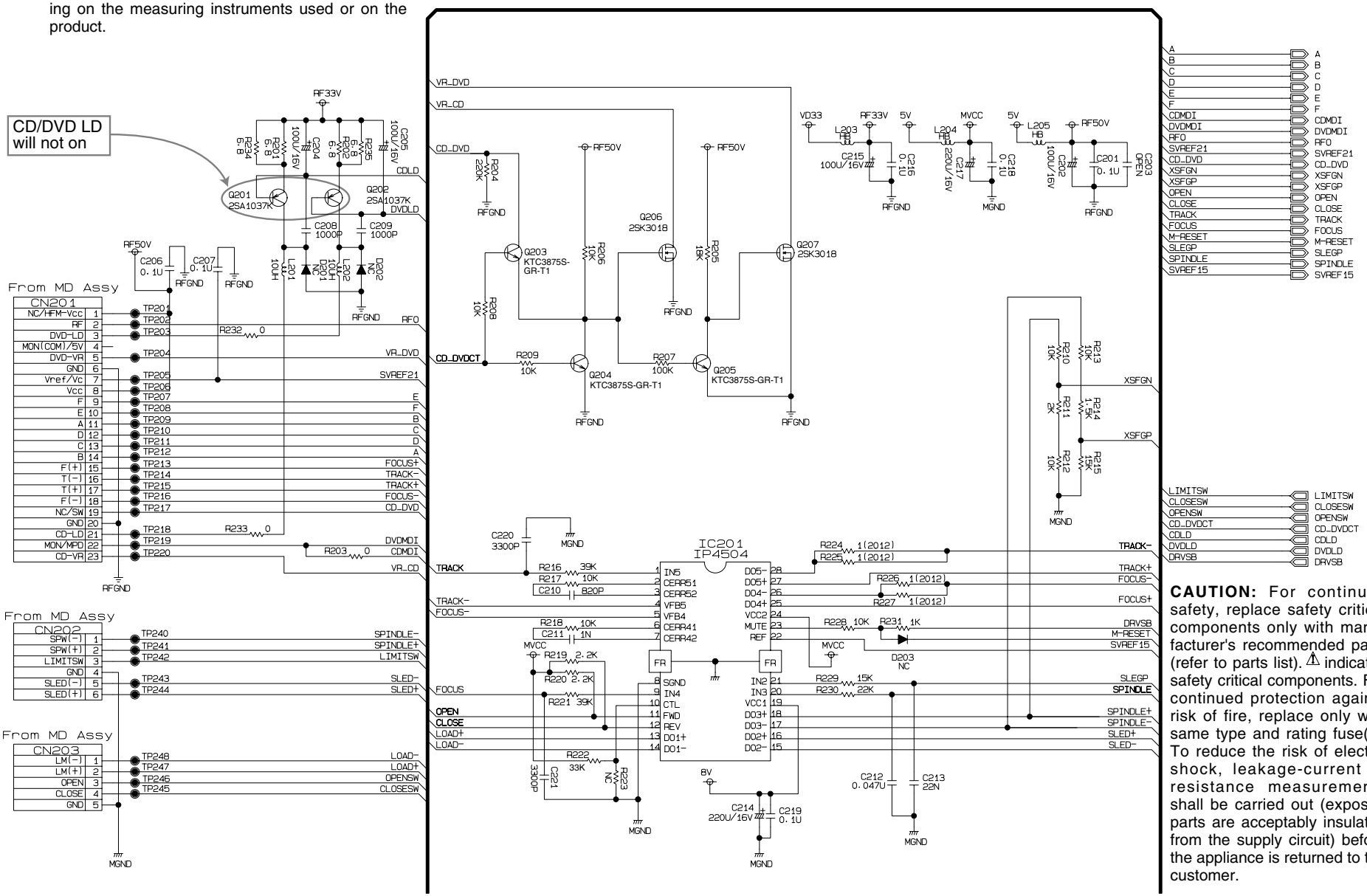


CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock,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

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

4. DRIVER CIRCUIT DIAGRAM

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

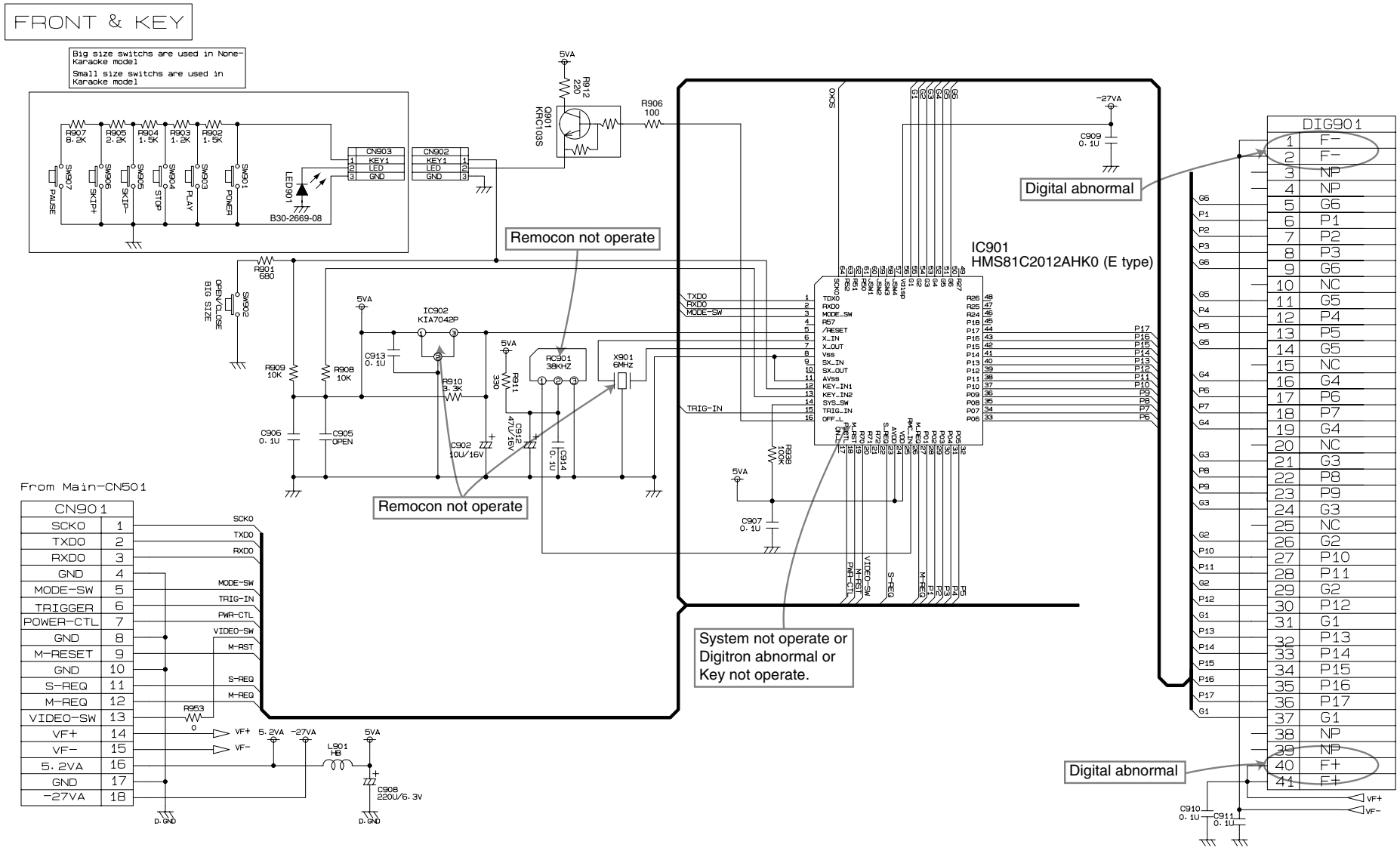


CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock,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

DVF-3080-S/8100

DVF-3080-S/8100

5. FRONT & KEY CIRCUIT DIAGRAM

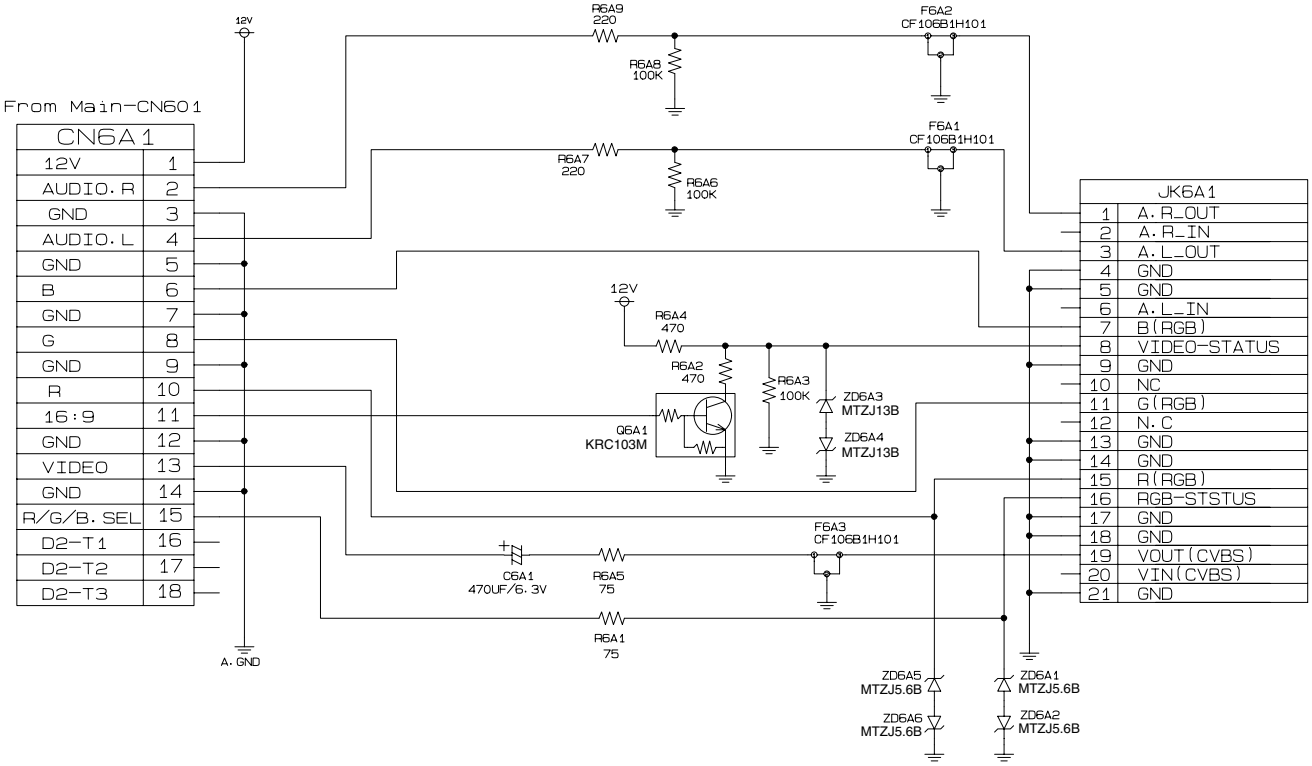


CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock,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

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

6. SCART CIRCUIT DIAGRAM

SCART OPTION All stuffs are used for Scart Model Only !!!

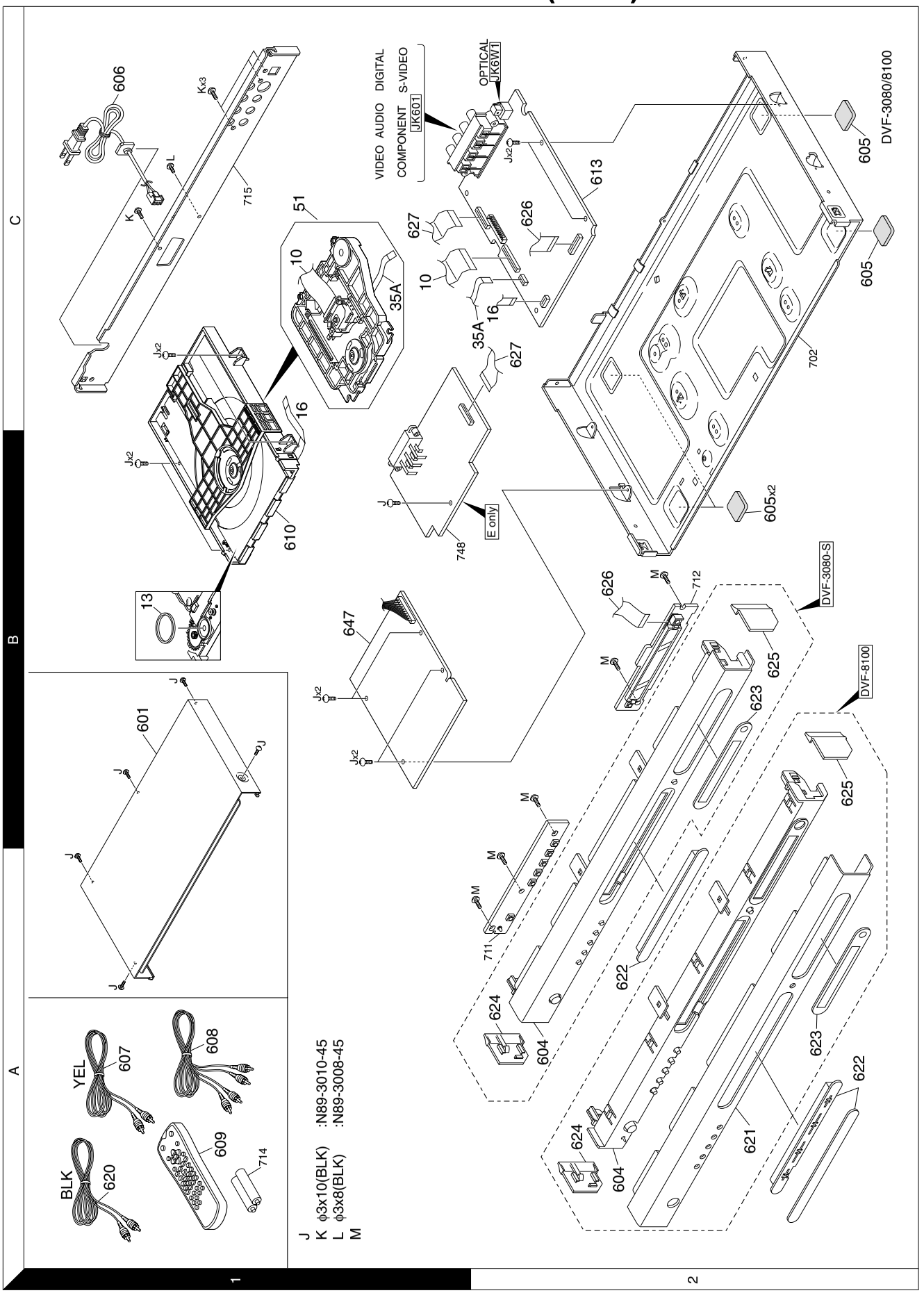


CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock,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

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

DVF-3080-S/8100

EXPLODED VIEW (UNIT)



Parts with exploded numbers larger than 700 are not supplied.

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

❶

Ref. No	Address	New Parts	Parts No.	Description			Destination	Remarks
DVF-3080(3)/DVF-8100(8)								
10	1C	✻	-	CABLE,FLAT	6850R-JW24Y			
13	1B	✻	D16-0805-08	BELT	4400R-0006B			
16	1C,2C	✻	-	PWB(PCB) ASSEM	6871R-9288A			
35A	1C,2C	✻	-	CABLE,FLAT	6850R-GF10Z			
51	1C	✻	-	BASE ASSEMBLY	3041R-D008A			
-		✻	-	BOX	3890R-C177A		E	
-		✻	-	BOX	3890R-C177G		KP	
-			-	PACKING,CASING	3920R-E103A			
-		✻	B60-5480-08	INSTRUCTION(EG)				
-		✻	B60-5481-08	INSTRUCTION(FR)			PE	
-		✻	B60-5482-08	INSTRUCTION(4L)			E	
601	1B	✻	A01-3925-08	CASE	3110R-D013D			
604	2A	✻	A60-2386-08	PANEL	(DVF-3080-S)		KP	
604	2A	✻	A60-2387-08	PANEL	(DVF-3080-S)		EXY	
604	2A	✻	A22-1897-08	SUB PANEL	(DVF-8100)		8	
605	2B,2C	✻	G11-2956-08	RUBBER	5040R-0069L			
⚠ 606	1C	✻	E30-7319-08	POWER CORD	6410RAHX03A		KP	
⚠ 606	1C	✻	E30-7320-08	POWER CORD	6410RCHX03A		EX	
607	1A	✻	-	PLUG ASSY(VID)	6611R1G001A			
608	1A	✻	-	PLUG ASSY(AUD)	6611R2G001A			
609	1A	✻	A70-1660-08	REMOTE CONTROL	6711R1N166A			
610	1B	✻	D40-1829-08	DECK ASSEMBLY,	6721RHD030A			
613	2C	✻	W02-4558-08	SUB PWB(PCB) A	6885R-1028B		KP	
613	2C	✻	W02-4559-08	SUB PWB(PCB) A	6885R-1027F		E	
620	1A	✻	-	PLUG ASSEMBLY	6611R1G002A			
621	2A	✻	A60-2388-08	PANEL			E8	
621	2A	✻	A60-2389-08	PANEL			K8P8	
622	2A	✻	A29-1235-08	TRAY PANEL			3	
622	2A	✻	A29-1236-08	TRAY PANELASSY			8	
623	2A,2B	✻	B03-3945-08	FRONT GLASS				
624	2A	✻	A50-1418-08	SIDE PANEL L				
625	2B	✻	A50-1419-08	SIDE PANEL R				
626	2B,2C	✻	-	CABLE,FLAT				
627	1C,2C	✻	-	CABLE,FLAT			E	
⚠ 647	1B	✻	W02-4556-08	PWB(PCB) ASSEM	6871R-7184B		KP	
⚠ 647	1B	✻	W02-4557-08	PWB(PCB) ASSEM	6871R-7184A		E	
J		✻	-	SCREW,DRAWING	353-051G			
K			N89-3010-45	SCREW,DRAWING	353-046K			
L			N89-3008-45	SCREW,DRAWING	353-046N			
M		✻	-	SCREW,DRAWING	353-051A			
POWER SUPPLY								
⚠ F101		✻	F53-0340-08	FUSE,SLOW BLOW	0FS1601B51B		KP	
⚠ F101		✻	F53-0341-08	FUSE,SLOW BLOW	0FS1601B51D		E	
FRONT PCB								
LED901		✻	B30-2669-08	DIODE,LED	0DL112000AJ			
C902			CE04KW1C100M	ELECTRO	10UF	16WV		
C906,7			CK73GB1H104Z	CHIP C	0.10UF	Z		
C908			CE04KW0J221M	ELECTRO	220UF	6.3WV		
C909-11			CK73GB1H104Z	CHIP C	0.10UF	Z		
C912			CE04KW1C470M	ELECTRO	47UF	16WV		
C913,4			CK73GB1H104Z	CHIP C	0.10UF	Z		

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

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

❷

Ref. No	Address	New Parts	Parts No.	Description			Destination	Remarks
L901		✻	L92-0582-08	FILTER(CIRC),E 6200HJC102A				
X901		✻	L78-0770-08	RESONATOR,CERA 6212BA3004A				
R901			RK73GB1J681J	CHIP R	680	J 1/16W		
R906			RK73GB1J101J	CHIP R	100	J 1/16W		
R908,9			RK73GB1J103J	CHIP R	10K	J 1/16W		
R910			RK73GB1J332J	CHIP R	3.3K	J 1/16W		
R911			RK73GB1J331J	CHIP R	330	J 1/16W		
R912			RK73GB1J221J	CHIP R	220	J 1/16W		
R938			RK73GB1J104J	CHIP R	100K	J 1/16W		
R951			RK73GB1J101J	CHIP R	100	J 1/16W		
R953			RK73GB1J000J	CHIP R	0	J 1/16W		
SW901-7		✻	S70-0113-08	SWITCH,TACT	556-219B			
DIG901		✻	6BT-341NK	DIGITRON	6302R-V226A			
IC901		✻	HMS81C2012AHK0	IC,MICRO CONTR	0IMCRHY070B		E	
IC902			KIA7042P	IC,KEC	0IKE704200B			
Q901			KRC103S	TRANSISTOR	0TR103009AA			
RC901		✻	W02-4555-08	REMOTE CONTROL	6712R1038GA			
SCART PCB (E TYPE ONLY)								
C6A1			CE04KW0J471M	ELECTRO	470UF	6.3WV		
JK6A1		✻	E58-0073-08	JACK,SCART	6612M00003B			
F6A1-3		✻	L72-0647-08	FILTER(CIRC)	6200HJC901A			
Q6A1			KRC103M	TRANSISTOR	0TR103009AE			
ZD6A1,2			MTZJ5.6B	ZENER DIODE	0DZ562609AA			
ZD6A3,4			MTZJ13B	ZENER DIODE	0DZ132609CA			
ZD6A5,6			MTZJ5.6B	ZENER DIODE	0DZ562609AA			
MAIN PCB								
C6W1			CK73GB1A105Z	CHIP C	1.0UF	Z		
C6W2			CC73GCH1H101J	CHIP C	100PF	J		
C6W3			CE04KW1C100M	ELECTRO	10UF	16WV	E	
C6W4			CK73GB1H104Z	CHIP C	0.10UF	Z		
C201			CK73GB1H104Z	CHIP C	0.10UF	Z		
C202			CE04KW1C101M	ELECTRO	100UF	16WV		
C204,5			CE04KW1C101M	ELECTRO	100UF	16WV		
C206,7			CK73GB1H104Z	CHIP C	0.10UF	Z		
C208,9			CK73GB1H102K	CHIP C	1000PF	K		
C210			CK73GB1H821K	CHIP C	820PF	K		
C211			CK73GB1H102K	CHIP C	1000PF	K		
C212			CK73GB1H473K	CHIP C	0.047UF	K		
C213			CK73GB1H223K	CHIP C	0.022UF	K		
C214			CE04KW1C221M	ELECTRO	220UF	16WV		
C215			CE04KW1C101M	ELECTRO	100UF	16WV		
C216			CK73GB1H104Z	CHIP C	0.10UF	Z		
C217			CE04KW0J221M	ELECTRO	220UF	6.3WV	E	
C217			CE04KW1C221M	ELECTRO	220UF	16WV	KP	
C218,9			CK73GB1H104Z	CHIP C	0.10UF	Z		
C220,1			CK73GB1H332K	CHIP C	3300PF	K		
C501			CE04KW1C470M	ELECTRO	47UF	16WV		
C502,3			CK73GB1H104Z	CHIP C	0.10UF	Z		
C504			CE04KW1C470M	ELECTRO	47UF	16WV		
C505			CK73GB1H104Z	CHIP C	0.10UF	Z		
C506			CE04KW1C100M	ELECTRO	10UF	16WV		

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❸

Ref. No	Address	New Parts	Parts No.	Description			Destination	Remarks
C507			CE04KW1H010M	ELECTRO	1.0UF	50WV		
C508			CE04KW1C101M	ELECTRO	100UF	16WV		
C509			CC73GCH1H471J	CHIP C	470PF	J		
C510,1			CC73GCH1H220J	CHIP C	22PF	J		
C512			CK73GB1H104Z	CHIP C	0.10UF	Z		
C513			CE04KW1C100M	ELECTRO	10UF	16WV		
C514,5			CK73GB1H561J	CHIP C	560PF	J		
C516,7			CK73GB1H102K	CHIP C	1000PF	K		
C518			CK73GB1H104Z	CHIP C	0.10UF	Z		
C519-23			CK73GB1H102K	CHIP C	1000PF	K		
C524-31			CK73GB1H104Z	CHIP C	0.10UF	Z		
C532			CK73GB1H331J	CHIP C	330PF	J		
C533			CK73GB1H104Z	CHIP C	0.10UF	Z		
C534,5			CC73GCH1H471J	CHIP C	470PF	J		
C536			CK73GB1C224Z	CHIP C	0.22UF	Z		
C537			CK73GB1H391J	CHIP C	390PF	J		
C538			CK73GB1H104Z	CHIP C	0.10UF	Z		
C539			CE04KW1C100M	ELECTRO	10UF	16WV		
C540,1			CK73GB1H104Z	CHIP C	0.10UF	Z		
C542			CE04KW1C101M	ELECTRO	100UF	16WV		
C543			CK73GB1H104Z	CHIP C	0.10UF	Z		
C544			CE04KW1C101M	ELECTRO	100UF	16WV		
C545			CK73GB1H104Z	CHIP C	0.10UF	Z		
C546,7			CC73GCH1H221J	CHIP C	220PF	J		
C548-53			CK73GB1H104Z	CHIP C	0.10UF	Z		
C554,5			CC73GCH1H221J	CHIP C	220PF	J		
C556-9			CK73GB1H104Z	CHIP C	0.10UF	Z		
C560			CE04KW0J221M	ELECTRO	220UF	6.3WV		
C562			CK73GB1H104Z	CHIP C	0.10UF	Z		
C563			CE04KW0J221M	ELECTRO	220UF	6.3WV		
C564-7			CK73GB1H104Z	CHIP C	0.10UF	Z		
C568			CE04KW1C101M	ELECTRO	100UF	16WV		
C569			CK73GB1H104Z	CHIP C	0.10UF	Z		
C570			CC73GCH1H270J	CHIP C	27PF	J		
C571-6			CK73GB1H104Z	CHIP C	0.10UF	Z		
C577			CE04KW1C101M	ELECTRO	100UF	16WV		
C579			CE04KW0J221M	ELECTRO	220UF	6.3WV		
C580-6			CK73GB1H104Z	CHIP C	0.10UF	Z		
C587			CE04KW0J221M	ELECTRO	220UF	6.3WV		
C588-98			CK73GB1H104Z	CHIP C	0.10UF	Z		
C599			CC73GCH1H470J	CHIP C	47PF	J		
C600			CE04KW1C101M	ELECTRO	100UF	16WV		
C601			CK73GB1H104Z	CHIP C	0.10UF	Z		
C602			CE04KW1H010M	ELECTRO	1.0UF	50WV		
C603			CK73GB1H104Z	CHIP C	0.10UF	Z		
C604			CE04KW1H010M	ELECTRO	1.0UF	50WV		
C605			CK73GB1H104Z	CHIP C	0.10UF	Z		
C606			CE04KW1C101M	ELECTRO	100UF	16WV		
C607-10			CE04KW1C470M	ELECTRO	47UF	16WV		
C611			CK73GB1H102K	CHIP C	1000PF	K		
C612,3			CC73GCH1H271J	CHIP C	270PF	J		
C614			CE04KW1C221M	ELECTRO	220UF	16WV		
C615			CC73GCH1H271J	CHIP C	270PF	J		
C616			CK73GB1H102K	CHIP C	1000PF	K		
C617			CC73GCH1H271J	CHIP C	270PF	J		

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❹

Ref. No	Address	New Parts	Parts No.	Description				Destination	Remarks
C618			CK73GB1H104Z	CHIP C	0.10UF	Z			
C619			CE04KW1C101M	ELECTRO	100UF	16WV			
C620,1			CE04KW1C470M	ELECTRO	47UF	16WV			
C622,3			CK73GB1H392K	CHIP C	3900PF	K			
C624			CE04KW1H010M	ELECTRO	1.0UF	50WV		KP	
C625-7			CE04KW1H010M	ELECTRO	1.0UF	50WV			
C629			CE04KW1C101M	ELECTRO	100UF	16WV			
C630			CK73GB1H104Z	CHIP C	0.10UF	Z			
C631			CE04KW1C220M	ELECTRO	22UF	16WV			
C632			CK73GB1H104Z	CHIP C	0.10UF	Z			
C633			CE04KW0J471M	ELECTRO	470UF	6.3WV		KP	
C634			CE04KW0J102M	ELECTRO	1000UF	6.3WV		KP	
C635			CE04KW0J102M	ELECTRO	1000UF	6.3WV			
C636,7			CE04KW0J471M	ELECTRO	470UF	6.3WV			
C638			CE04KW0J102M	ELECTRO	1000UF	6.3WV			
C639			CK73GB1H104Z	CHIP C	0.10UF	Z			
C640			CE04KW0J221M	ELECTRO	220UF	6.3WV			
C641			CK73GB1H104Z	CHIP C	0.10UF	Z			
C642			CE04KW1H010M	ELECTRO	1.0UF	50WV		KP	
C643			CK73GB1H104Z	CHIP C	0.10UF	Z			
C644			CE04KW1H010M	ELECTRO	1.0UF	50WV			
C645,6			CC73GCH1H101J	CHIP C	100PF	J			
JK601		✻	E63-1355-08	JACK,RCA	6612J00044B			KP	
JK601		✻	E63-1356-08	JACK,RCA	6612J00044E			E	
L201,2		✻	L33-1686-08	INDUCTOR,RADIA	0LR0102J025				
L203-5		✻	L92-0582-08	FILTER(CIRC),E	6200HJC102A				
L501		✻	L92-0582-08	FILTER(CIRC),E	6200HJC102A				
L502		✻	L33-1687-08	INDUCTOR,CHIP	0LCCE00004L				
L503-8		✻	L92-0582-08	FILTER(CIRC),E	6200HJC102A				
L600-4		✻	L92-0582-08	FILTER(CIRC),E	6200HJC102A				
X501		✻	L77-2429-08	RESONATOR,CRYS	6212AA2270F				
R5A1-8			RK73GB1J000J	CHIP R	0	J	1/16W		
R6W1			RK73GB1J221J	CHIP R	220	J	1/16W		
R6T2			RK73GB1J000J	CHIP R	0	J	1/16W		
R6W2			RK73GB1J111J	CHIP R	110	J	1/16W		
R6W3			RK73GB1J220J	CHIP R	22	J	1/16W		
R201,2			RK73GB1J6R8J	CHIP R	6.8	J	1/16W		
R203			RK73GB1J000J	CHIP R	0	J	1/16W		
R204			RK73GB1J224J	CHIP R	220K	J	1/16W		
R205			RK73GB1J183J	CHIP R	18K	J	1/16W		
R206			RK73GB1J103J	CHIP R	10K	J	1/16W		
R207			RK73GB1J104J	CHIP R	100K	J	1/16W		
R208-10			RK73GB1J103J	CHIP R	10K	J	1/16W		
R211			RK73GB1J202J	CHIP R	2.0K	J	1/16W		
R212,3			RK73GB1J103J	CHIP R	10K	J	1/16W		
R214			RK73GB1J152J	CHIP R	1.5K	J	1/16W		
R215			RK73GB1J153J	CHIP R	15K	J	1/16W		
R216			RK73GB1J393J	CHIP R	39K	J	1/16W		
R217,8			RK73GB1J103J	CHIP R	10K	J	1/16W		
R219,20			RK73GB1J222J	CHIP R	2.2K	J	1/16W		
R221			RK73GB1J393J	CHIP R	39K	J	1/16W		
R222			RK73GB1J333J	CHIP R	33K	J	1/16W		
R224-7			RK73FB2A010J	CHIP R	1	J	1/10W		
R228			RK73GB1J103J	CHIP R	10K	J	1/16W		

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Ref. No	Address	New Parts	Parts No.	Description			Destination	Remarks
R229			RK73GB1J153J	CHIP R 15K	J	1/16W		
R230			RK73GB1J223J	CHIP R 22K	J	1/16W		
R231			RK73GB1J102J	CHIP R 1.0K	J	1/16W		
R232,3			RK73GB1J000J	CHIP R 0	J	1/16W		
R234,5			RK73GB1J6R8J	CHIP R 6.8	J	1/16W		
R501			RK73GB1J103J	CHIP R 10K	J	1/16W		
R502			RK73GB1J104J	CHIP R 100K	J	1/16W		
R503			RK73FB2A5R6J	CHIP R 5.6	J	1/10W	KP	
R503			RK73FB2A9R1J	CHIP R 9.1	J	1/10W	E	
R504			RK73FB2A561J	CHIP R 560	J	1/10W		
R505-8			RK73GB1J472J	CHIP R 4.7K	J	1/16W		
R512-8			RK73GB1J101J	CHIP R 100	J	1/16W		
R519-25			RK73GB1J330J	CHIP R 33	J	1/16W		
R526			RK73FB2A100J	CHIP R 10	J	1/10W		
R527			RK73GB1J472J	CHIP R 4.7K	J	1/16W		
R530			RK73GB1J330J	CHIP R 33	J	1/16W		
R531			RK73GB1J105J	CHIP R 1.0M	J	1/16W		
R532			RK73GB1J473J	CHIP R 47K	J	1/16W		
R533-5			RK73GB1J122J	CHIP R 1.2K	J	1/16W		
R536,7			RK73GB1J000J	CHIP R 0	J	1/16W		
R538			RK73GB1J122J	CHIP R 1.2K	J	1/16W		
R539			RK73GB1J000J	CHIP R 0	J	1/16W		
R541			RK73GB1J330J	CHIP R 33	J	1/16W		
R542-4			RK73GB1J000J	CHIP R 0	J	1/16W		
R545			RK73GB1J103J	CHIP R 10K	J	1/16W		
R546,7			RK73GB1J332J	CHIP R 3.3K	J	1/16W		
R550			RK73GB1J472J	CHIP R 4.7K	J	1/16W		
R551			RK73GB1J103J	CHIP R 10K	J	1/16W		
R552			RK73GB1J000J	CHIP R 0	J	1/16W		
R553,4			RK73GB1J330J	CHIP R 33	J	1/16W		
R556,7			RK73GB1J000J	CHIP R 0	J	1/16W		
R559			RK73GB1J000J	CHIP R 0	J	1/16W		
R561,2			RK73GB1J472J	CHIP R 4.7K	J	1/16W		
R563			RK73GB1J123J	CHIP R 12K	J	1/16W		
R565			RK73GB1J000J	CHIP R 0	J	1/16W		
R568			RK73GB1J122J	CHIP R 1.2K	J	1/16W		
R577			RK73GB1J000J	CHIP R 0	J	1/16W		
R580			RK73GB1J103J	CHIP R 10K	J	1/16W		
R582			RK73GB1J000J	CHIP R 0	J	1/16W		
R583			RK73GB1J103J	CHIP R 10K	J	1/16W		
R601-4			RK73GB1J752J	CHIP R 7.5K	J	1/16W		
R605			RK73GB1J562J	CHIP R 5.6K	J	1/16W		
R606			RK73GB1J472J	CHIP R 4.7K	J	1/16W		
R607			RK73GB1J822J	CHIP R 8.2K	J	1/16W		
R608,9			RK73GB1J182J	CHIP R 1.8K	J	1/16W		
R610,1			RK73GB1J822J	CHIP R 8.2K	J	1/16W		
R612,3			RK73GB1J182J	CHIP R 1.8K	J	1/16W		
R614			RK73GB1J822J	CHIP R 8.2K	J	1/16W		
R615			RK73GB1J330J	CHIP R 33	J	1/16W		
R616,7			RK73GB1J331J	CHIP R 330	J	1/16W		
R618,9			RK73GB1J221J	CHIP R 220	J	1/16W		
R620,1			RK73GB1J104J	CHIP R 100K	J	1/16W		
R622			RK73GB1J102J	CHIP R 1.0K	J	1/16W		
R623,4			RK73GB1J472J	CHIP R 4.7K	J	1/16W		
R625-8			RK73GB1J102J	CHIP R 1.0K	J	1/16W		

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R629-32			RK73GB1J750J	CHIP R 75	J	1/16W		
R633			RK73GB1J472J	CHIP R 4.7K	J	1/16W		
R634			RK73GB1J562J	CHIP R 5.6K	J	1/16W		
R635			RK73GB1J000J	CHIP R 0	J	1/16W		
R637			RK73GB1J000J	CHIP R 0	J	1/16W		
R638-46			RK73GB1J750J	CHIP R 75	J	1/16W		
R647			RK73GB1J103J	CHIP R 10K	J	1/16W		
R648			RK73GB1J750J	CHIP R 75	J	1/16W		
R650			RK73GB1J750J	CHIP R 75	J	1/16W		
R651			RK73GB1J750J	CHIP R 75	J	1/16W	E	
R652			RK73GB1J102J	CHIP R 1.0K	J	1/16W		
R656,7			RK73GB1J000J	CHIP R 0	J	1/16W		
R658			RK73GB1J472J	CHIP R 4.7K	J	1/16W		
R659			RK73GB1J000J	CHIP R 0	J	1/16W		
R660			RK73GB1J750J	CHIP R 75	J	1/16W	E	
R661			RK73GB1J680J	CHIP R 68	J	1/16W	ES	
R661			RK73GB1J821J	CHIP R 820	J	1/16W	KP	
R662			RK73GB1J750J	CHIP R 75	J	1/16W	E	
R663,4			RK73GB1J680J	CHIP R 68	J	1/16W	E	
R663,4			RK73GB1J821J	CHIP R 820	J	1/16W	KP	
R666			RK73GB1J000J	CHIP R 0	J	1/16W	KP	
R668			RK73GB1J000J	CHIP R 0	J	1/16W	KP	
D600			DAP202K	DIODE,SWITCHIN 0DSRM00118A				
IC201		✻	IP4504	IC,LINEAR 0ILNRIJ001A				
IC501		✻	M3355A	IC,LINEAR 0ILNRAC003A			KP	
IC501		✻	M3355G	IC,LINEAR 0ILNRAC003G			E	
IC502		✻	KV8020001	PROGRAM 6957R-018HT			KP	
IC502		✻	KV8520002	PROGRAM 6957R-018HE			E	
IC503		✻	IS42S16400A-7T	IC,MEMORIES 0IMMRII006A				
IC504		✻	S524A40X21SCT0	IC,SAMSUNG ELE 0ISS240210A				
IC506		✻	74LCX373MTCX	IC,STANDARD LO 0ISTLFA104A				
IC601		✻	CS4391-KZR	IC,PERIPHERALS 0IPRPCI003B				
IC602			NJM4580M	IC,JRC 0IJR458000B				
IC604		✻	MM1623XFBE	IC,PERIPHERALS 0IPRPMT008A				
Q201,2			2SA1037K	TRANSISTOR,BIP 0TR103709BB				
Q201,2		✻	2SA1980SY	TRANSISTOR,BIP 0TRAU80008A				
Q203-5		✻	BC846ALT1	TRANSISTOR,BIP 0TRON80009A				
Q203-5		✻	KTC3875S-GR-T1	TRANSISTOR 0TR387509AC				
Q203-5		✻	2SC5343SG	TRANSISTOR,BIP 0TRAU80017A				
Q206,7			2SK3018	TRANSISTOR,BIP 0TRRH80042A				
Q501		✻	BC846ALT1	TRANSISTOR,BIP 0TRON80009A				
Q501		✻	KTC3875S-GR-T1	TRANSISTOR 0TR387509AC				
Q501		✻	2SC5343SG	TRANSISTOR,BIP 0TRAU80017A				
Q600			2SA1037K	TRANSISTOR,BIP 0TR103709BB				
Q600		✻	2SA1980SY	TRANSISTOR,BIP 0TRAU80008A				
Q601,2			KRC103S	TRANSISTOR 0TR103009AC				
Q601,2		✻	MMUN2112LT1	TRANSISTOR,BIP 0TRON80007A				
Q601,2		✻	SRA2203S	TRANSISTOR,BIP 0TRAU80012A				
Q603-6		✻	BC846ALT1	TRANSISTOR,BIP 0TRON80009A				
Q603-6		✻	KTC3875S-GR-T1	TRANSISTOR 0TR387509AC				
Q603-6		✻	2SC5343SG	TRANSISTOR,BIP 0TRAU80017A				

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DVF-3080-S/8100

PARTS LIST / SPECIFICATIONS

PARTS LIST

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

MODEL	*ABB.*	*Australia*	*Canada*	*China*	*England*	*Europe*	*Germany*	*Korea*	*Malaysia*
		X	***P***	***-***	***-***	***E***	***-***	***-***	***-***
DVF-3080-S	*3*	X	P3	-	-	E3	-	-	-
DVF-8100	*8*	-	P8	-	-	E8	-	-	-

MODEL	*ABB.*	*Mexico*	*PX/AAFES*	*Russia*	*Scandinavia*	*Shanghai*	*USA*	*Other area*	
		-	***Y***	***-***	***-***	***-***	***K***	***-***	
DVF-3080-S	*3*	-	Y	-	-	-	K3	-	-
DVF-8100	*8*	-	-	-	-	-	K8	-	-

SPECIFICATIONS

[Type]
System ..... DVD video player
Signal read system ..... Semiconductor laser

[D/A Conversion Section]
D/A conversion ..... 24 Bit
Oversampling ... 8 fs (Sampling frequency; 44.1, 48 kHz)
..... 4 fs (Sampling frequency; 96 kHz)

[Audio section]
Frequency response
Sampling frequency ; 44.1 kHz ..... 8 Hz ~ 20 kHz
Sampling frequency ; 48 kHz ..... 8 Hz ~ 22 kHz
Sampling frequency ; 96 kHz ..... 8 Hz ~ 44 kHz
Signal to noise ratio ..... More than 100 dB
Dynamic range..... More than 92 dB
Total harmonic distortion ..... Less than 0.007 % (1 kHz)
Channel separation..... More than 90 dB (1 kHz)
Wow and flutter ..... Below measurable limit
Analog output level/impedance ..... 2 V / 550 Ω
Digital output level/impedance
COAXIAL..... 0.5 Vp-p / 75 Ω
OPTICAL (Only DVF-8100 for Europe)
..... -21 dBm ~ -15 dBm (Wave length 660 nm)

[Video Section]
Video output format ..... NTSC/PAL
Video compression
DVD MPEG-2
Composite video output level
..... 1 Vp-p (75 Ω load, sync. negative)
S-video output level (Except for Europe)
(Y-signal) ..... 1 Vp-p (75 Ω load, sync. negative)
(C-signal)
NTSC ..... 0.286 Vp-p (75 Ω)
PAL ..... 0.300 Vp-p (75 Ω)
Component Video output level
(Y-signal) ..... 1 Vp-p (75 Ω)
(Cb-signal)..... 0.7 Vp-p (75 Ω)
(Cr-signal)..... 0.7 Vp-p (75 Ω)
RGB output level (SCART) (For Europe)..... 0.7 Vp-p (75 Ω)
Horizontal resolution ..... More than 500 lines
Video signal to noise ratio ..... More than 70 dB

[General]
Power consumption ..... 12 W
Dimensions ..... W : 440 mm (17-5/16)
H : 44 mm (1-3/4)
D : 249 mm (9-13/16)
Weight (net)
(DVF-3080)..... 2.2 kg (4.9 lb)
(DVF-8100)..... 2.3 kg (5.1 lb)

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

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