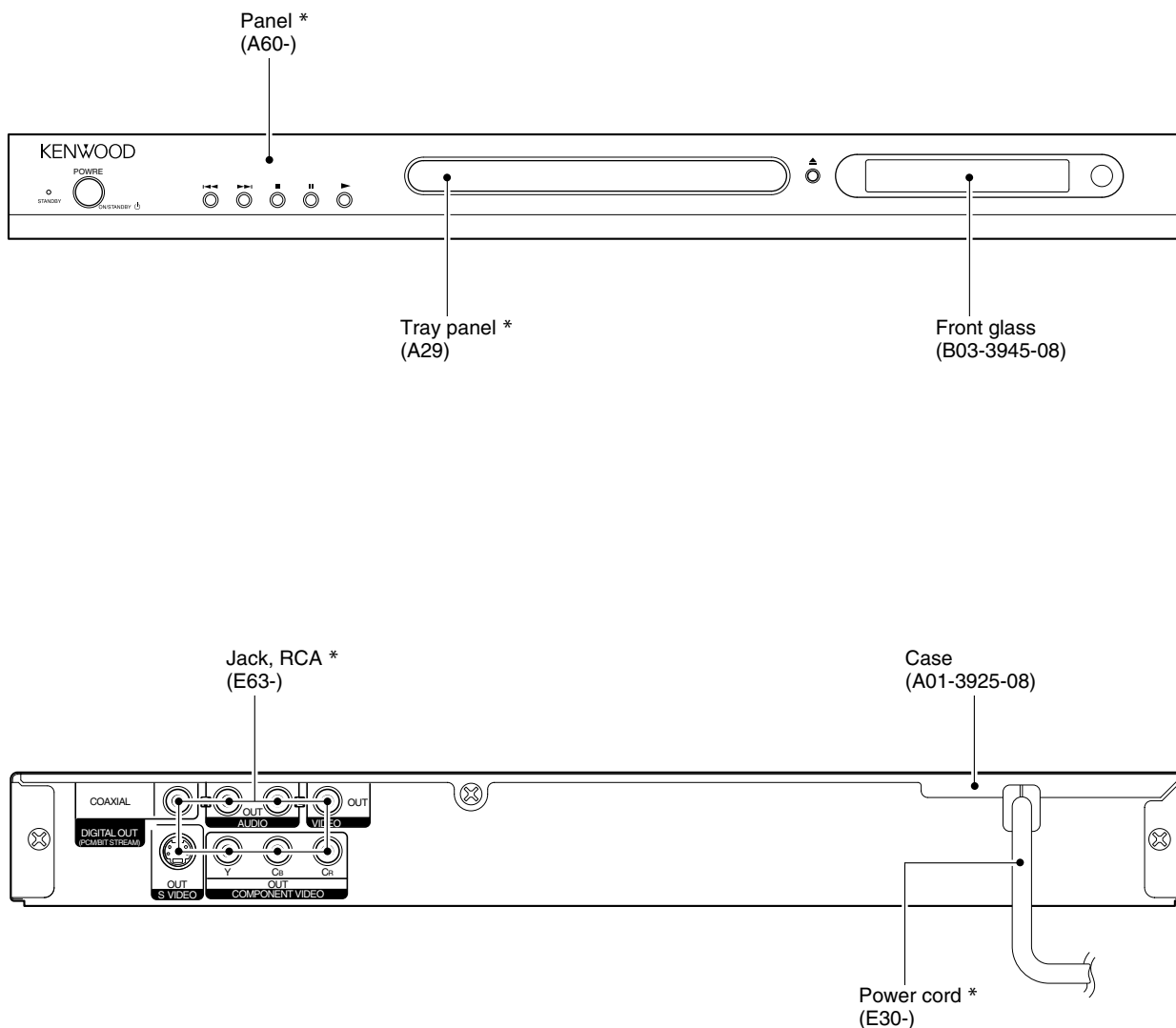


There are some of no KENWOOD's parts# in parts list.



*** 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.

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

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.



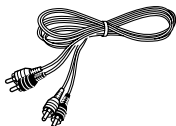
DVF-3080-S/8100

ACCESSORIES / CAUTIONS

Accessories

Please confirm that the following accessories are present.

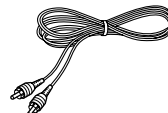
Audio cord (Red, White) ...(1)



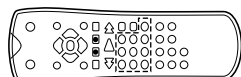
Video cable (Yellow) ...(1)



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.

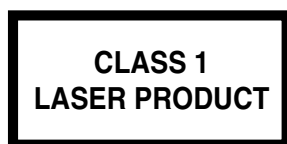
Caution on condensation

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)



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

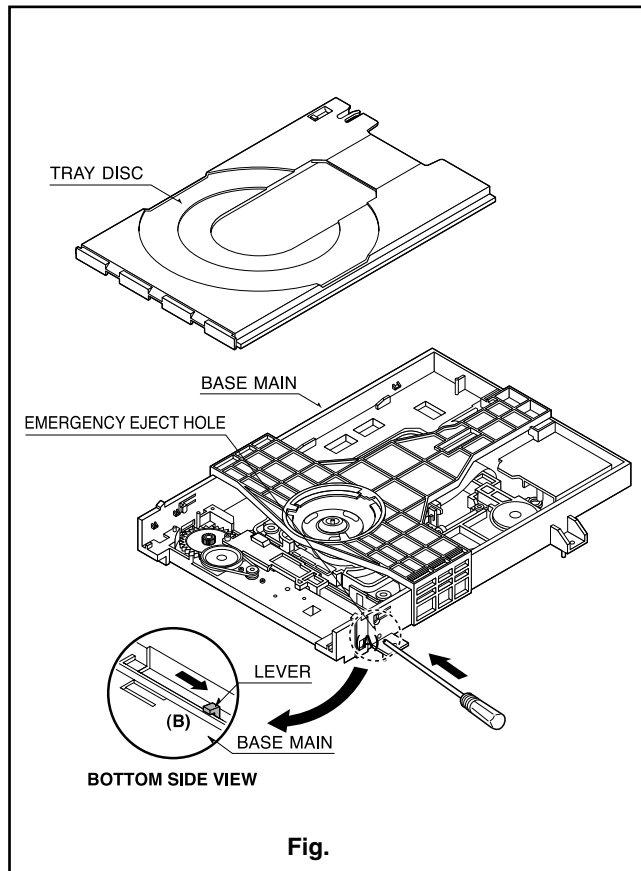
Manufactured under license from Dolby Laboratories.
"Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

"DTS" and "DTS Digital Out" are registered trademarks of Digital Theater Systems, Inc.



DVF-3080-S/8100

DISASSEMBLY FOR REPAIR



- 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.

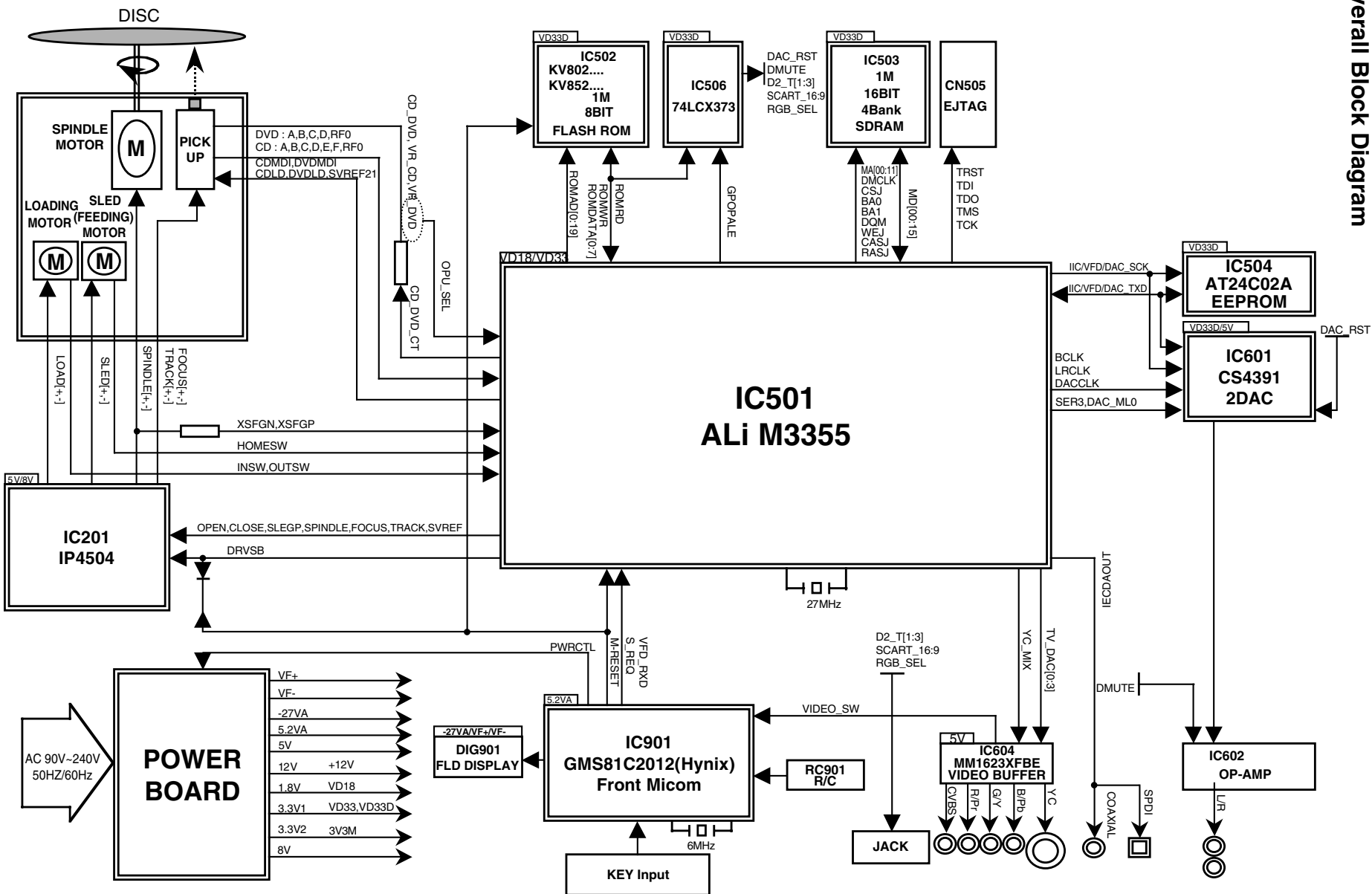
How to Reset Parental Lock.

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.

DVF-3080-S/8100

BLOCK DIAGRAM

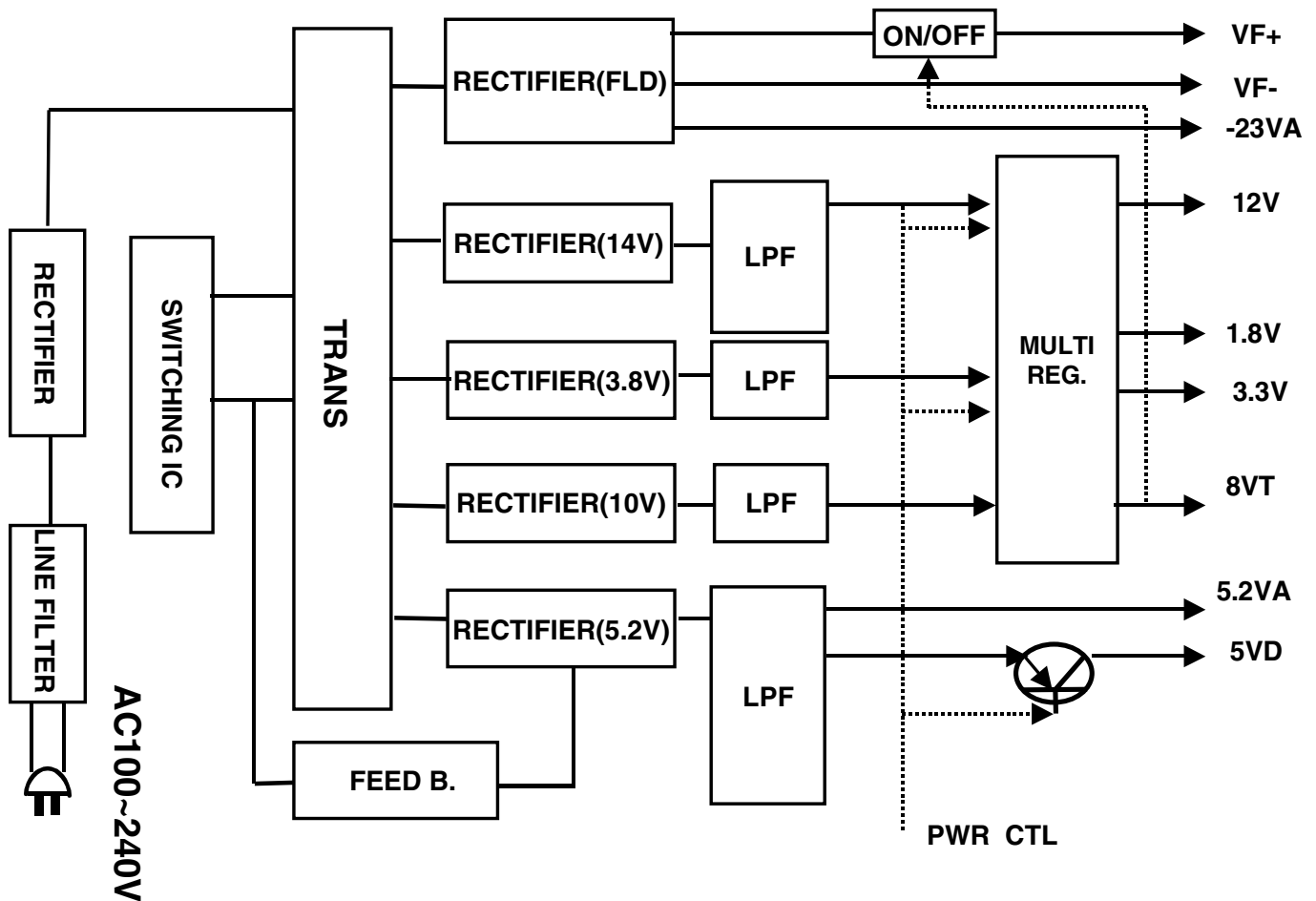
1. Overall Block Diagram



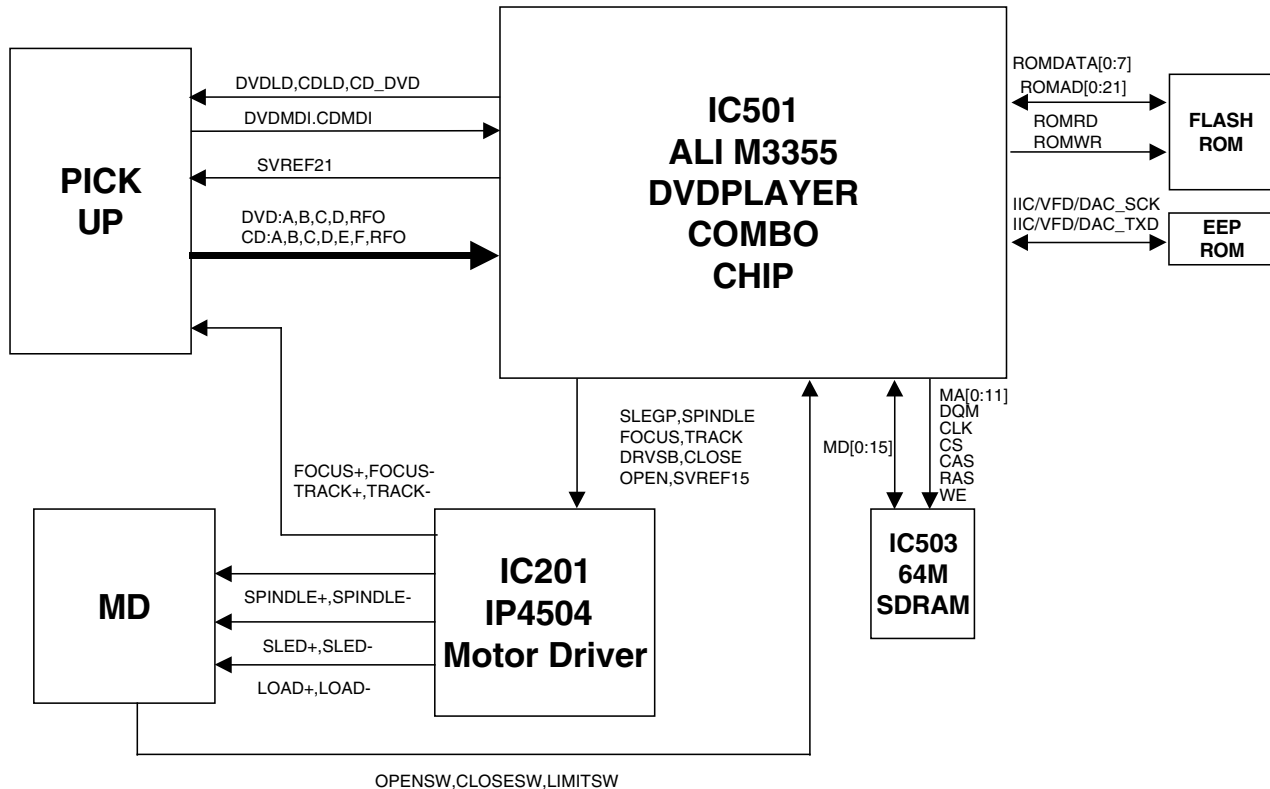
DVF-3080-S/8100

BLOCK DIAGRAM

2. Power(SMPS) Block Diagram



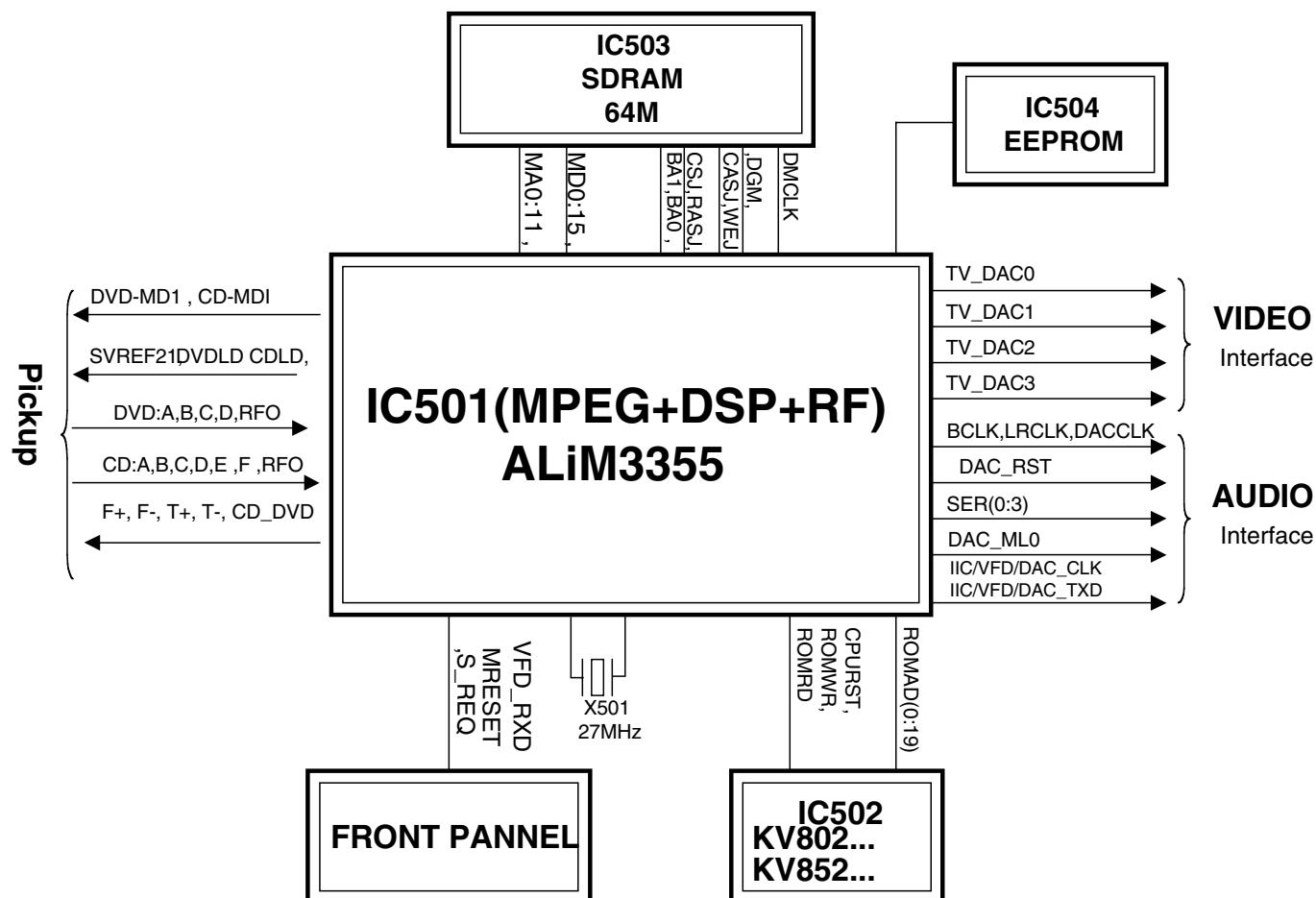
3. SERVO Block Diagram



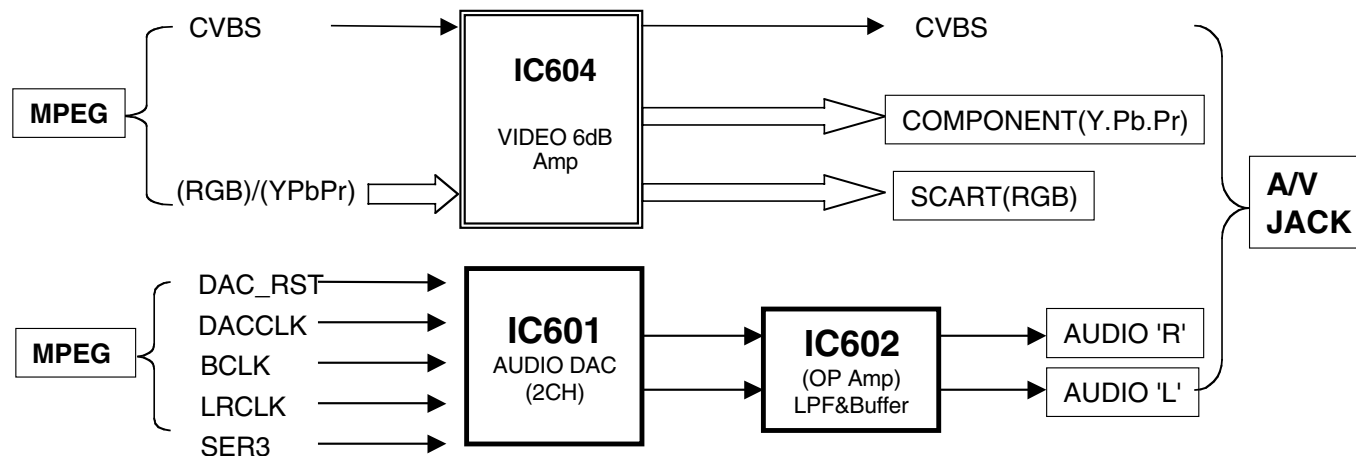
DVF-3080-S/8100

BLOCK DIAGRAM

4. MPEG & MEMORY Block Diagram



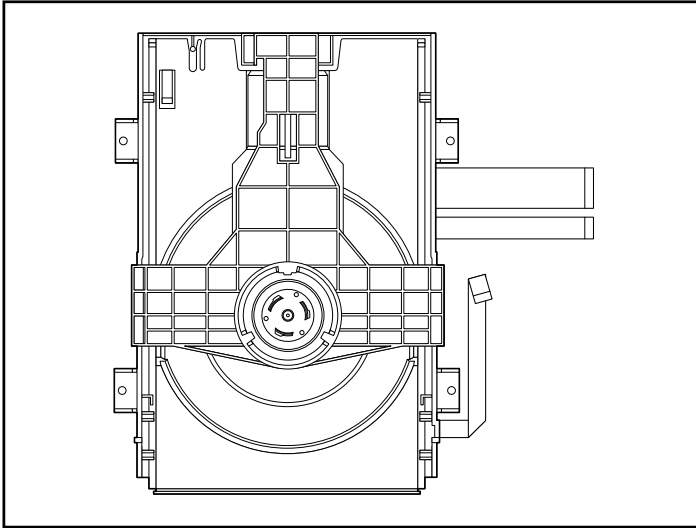
5. VIDEO & AUDIO Block Diagram



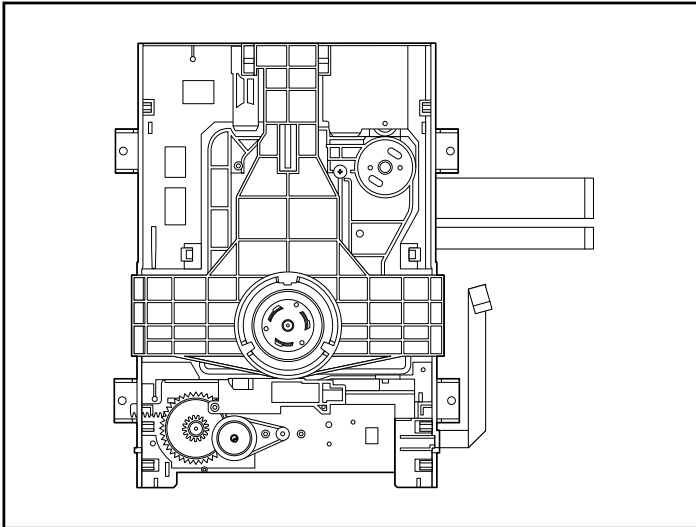
DVF-3080-S/8100

DECK MECHANISM PARTS LOCATION

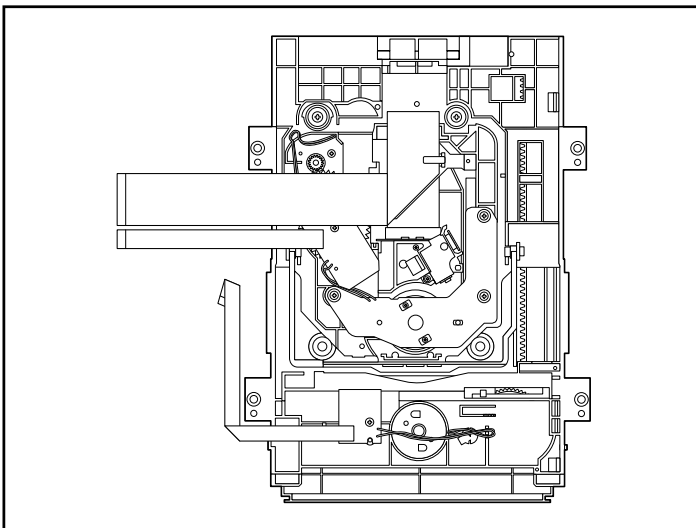
• Top View (With Tray)



• Top View (Without Tray)



• Bottom View



Procedure		Parts	Fixing Type	Disassembly	Figure
Starting No.					
1	1	Main Base			4-1
	2	Clamp Assembly Disc			4-1
	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

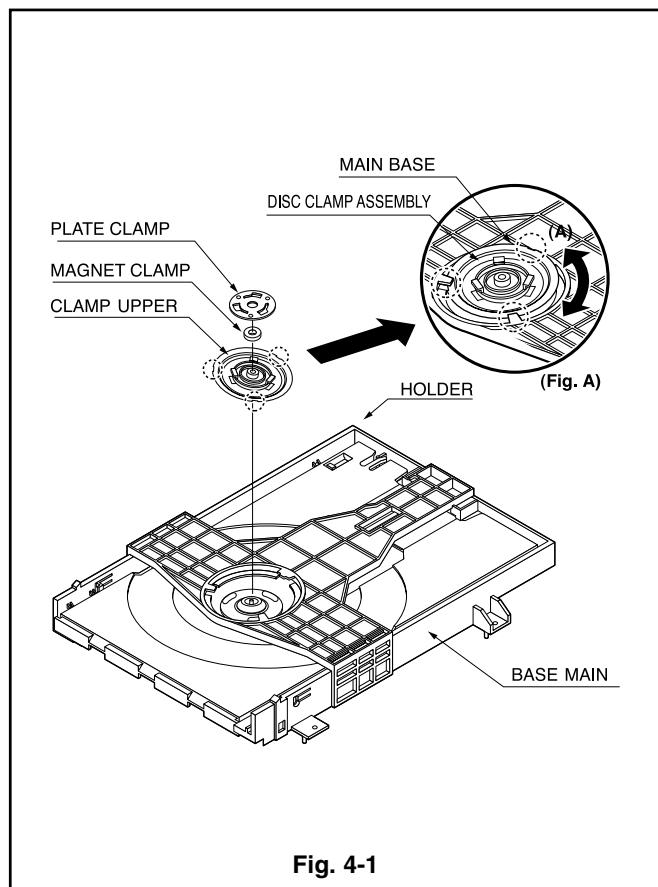
Note

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.

DVF-3080-S/8100

DECK MECHANISM DISASSEMBLY



1. Main Base (Fig. 4-1)

1-1. Clamp Assembly Disc

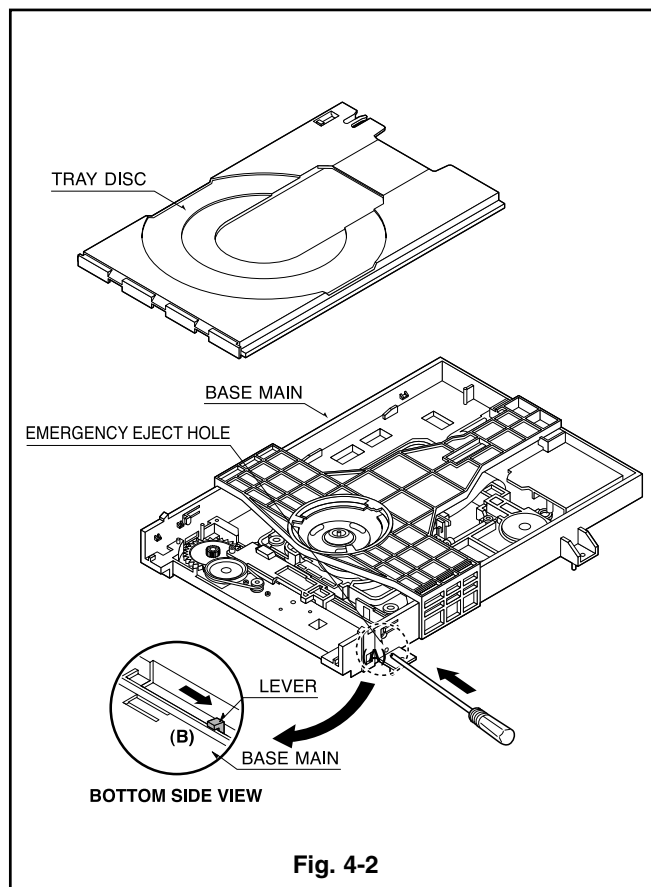
- 1) Place the Clamp Assembly Disc as Fig. (A)
- 2) Lift up the Clamp Assembly Disc in direction of arrow(A).
- 3) Separate the Clamp Assembly Disc from the Holder Clamp.

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.

DVF-3080-S/8100

DECK MECHANISM DISASSEMBLY

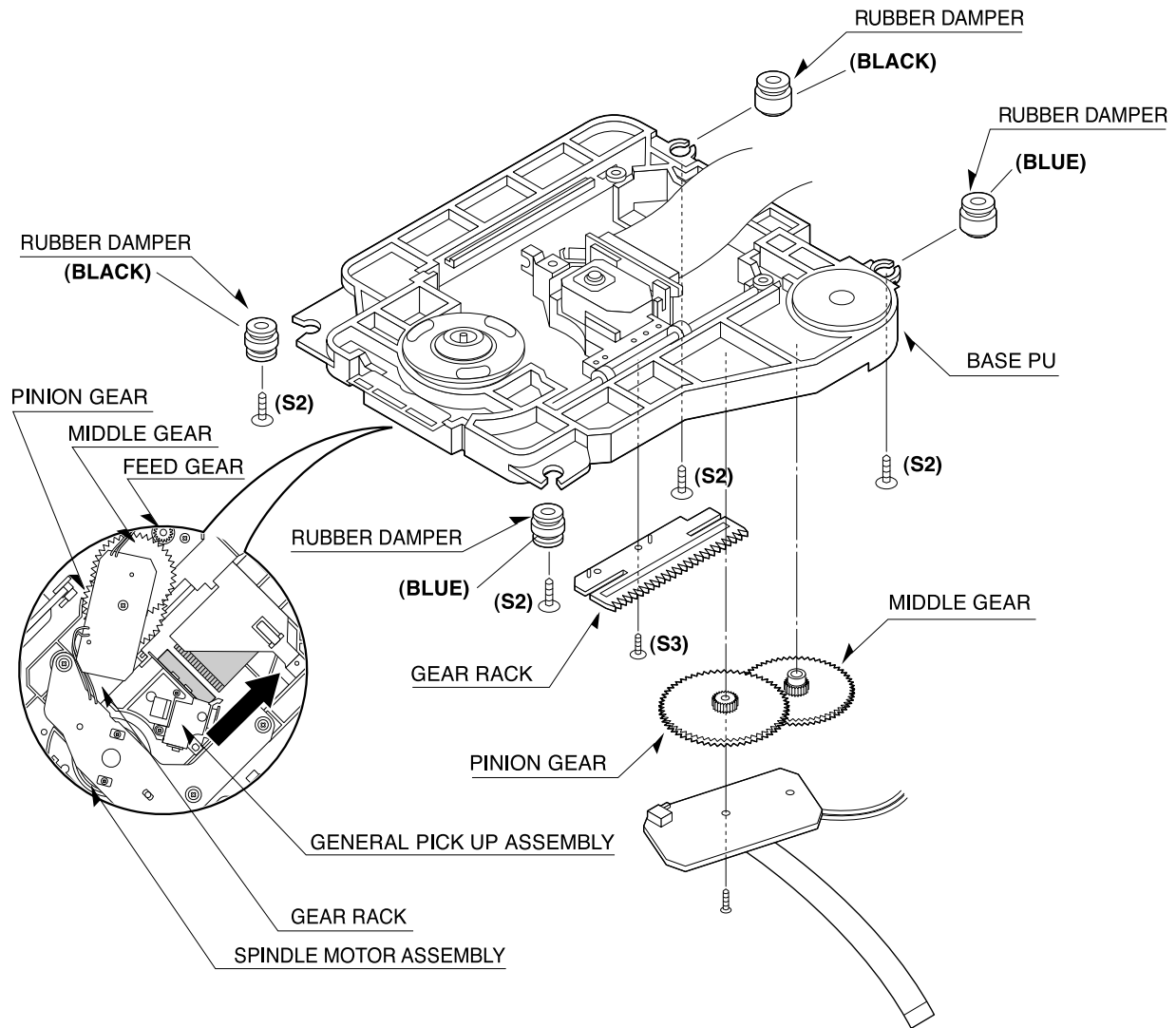


Fig. 4-3

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)

DVF-3080-S/8100

DECK MECHANISM DISASSEMBLY

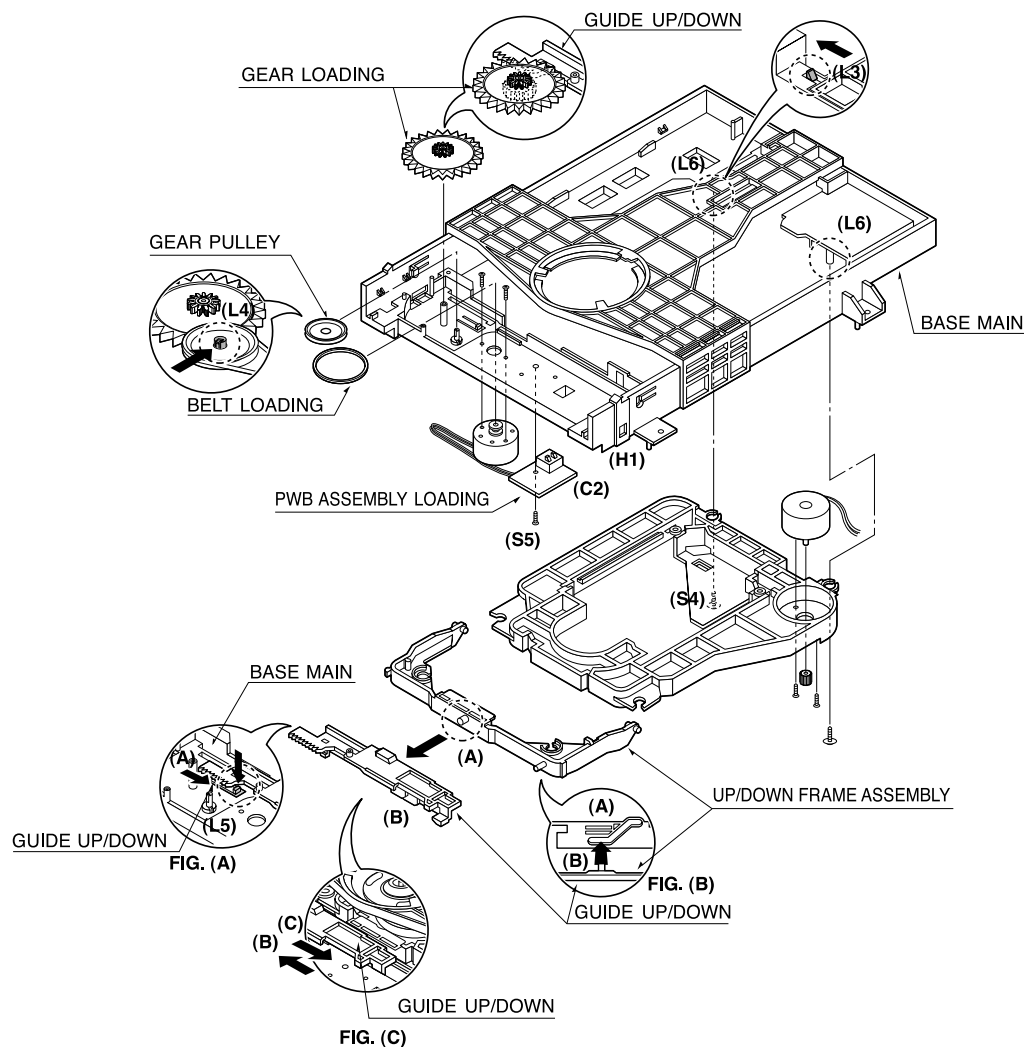


Fig. 4-4

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)

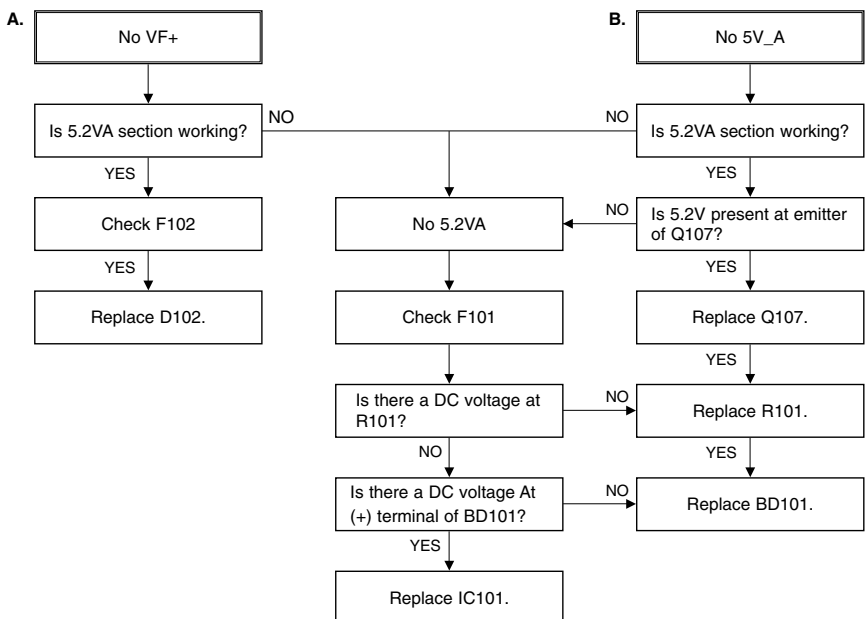
- 1) Release 1 Screws(S5)
- 2) Unlock the Loading Motor (C2) from the Hook (H1) on the Base Main.
- 3) Unlock 2 Locking Tabs(L6) and separate the PWB Assembly Loading from the Base Main.

11. Base Main(Fig. 4-4)

DVF-3080-S/8100

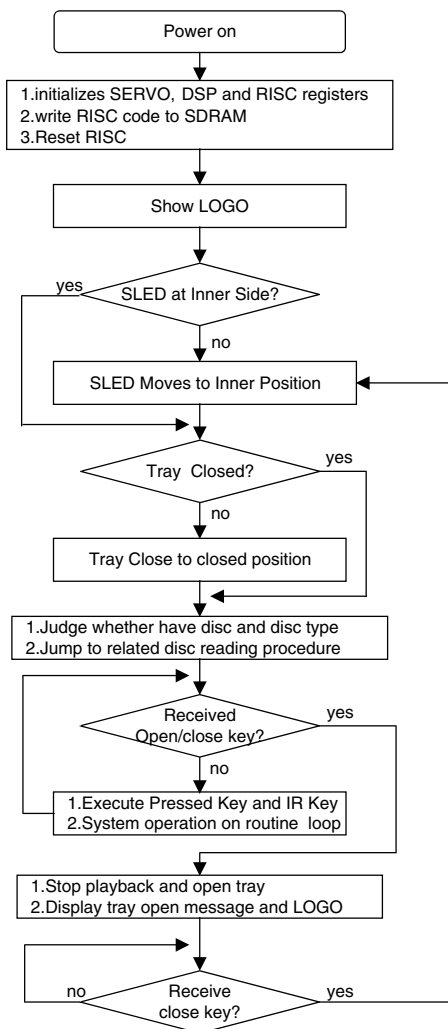
ELECTRICAL TROUBLESHOOTING GUIDE

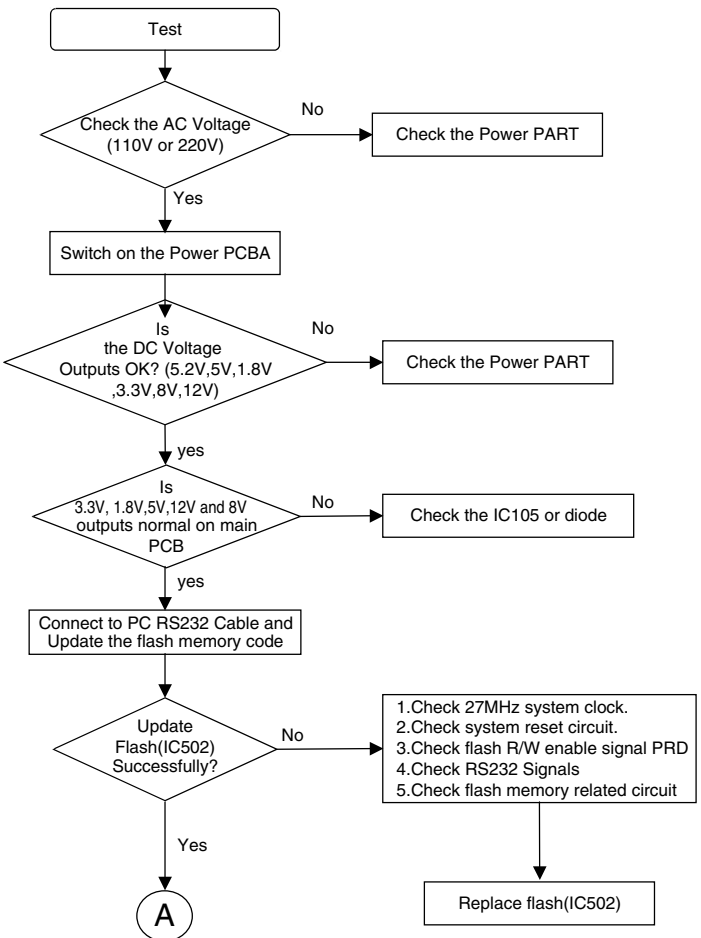
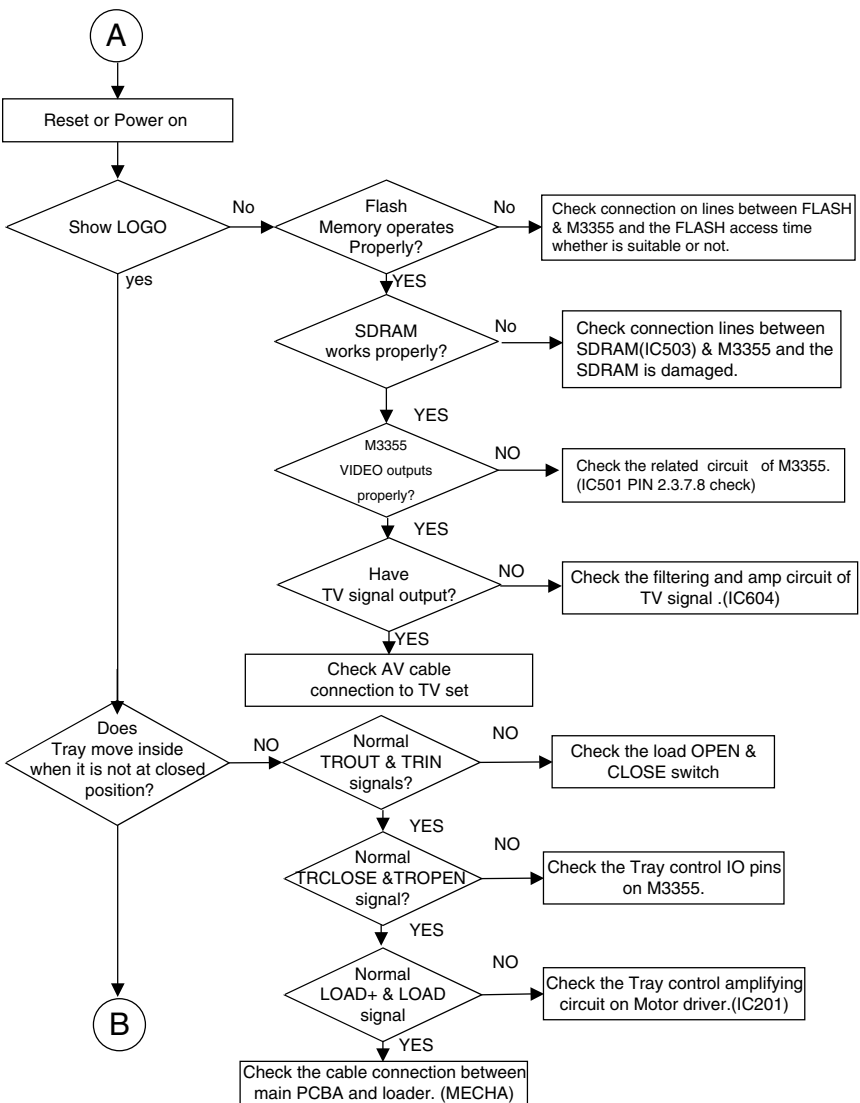
1. Power check flow

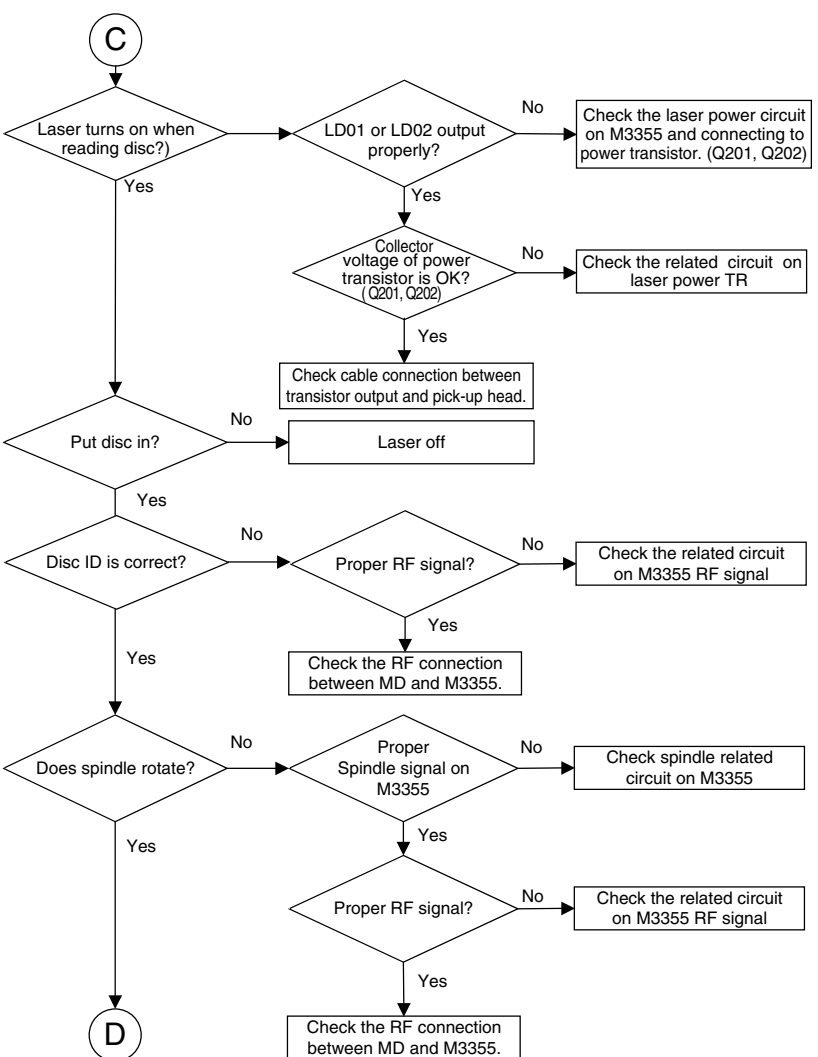
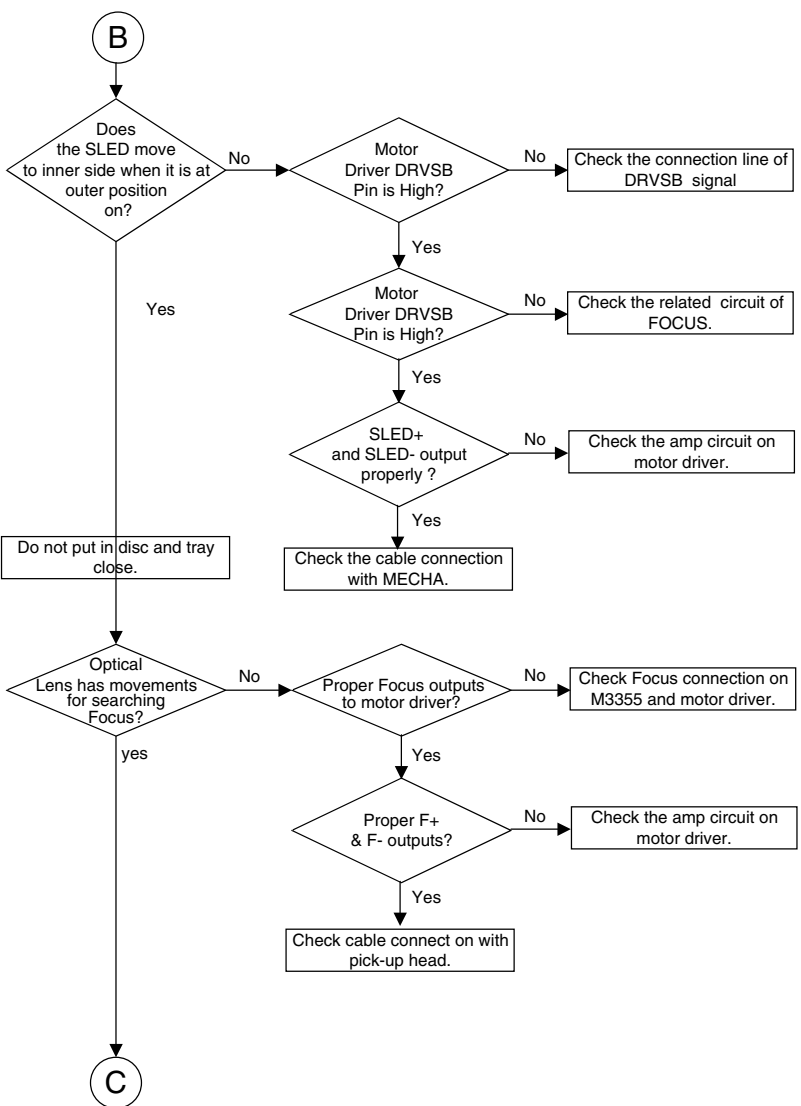


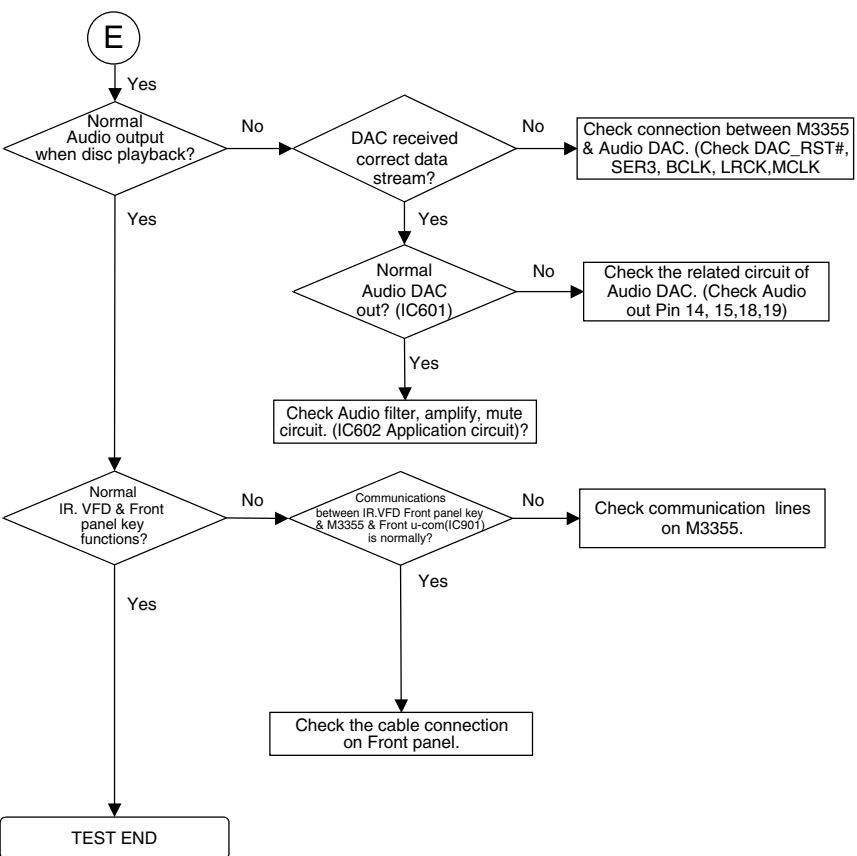
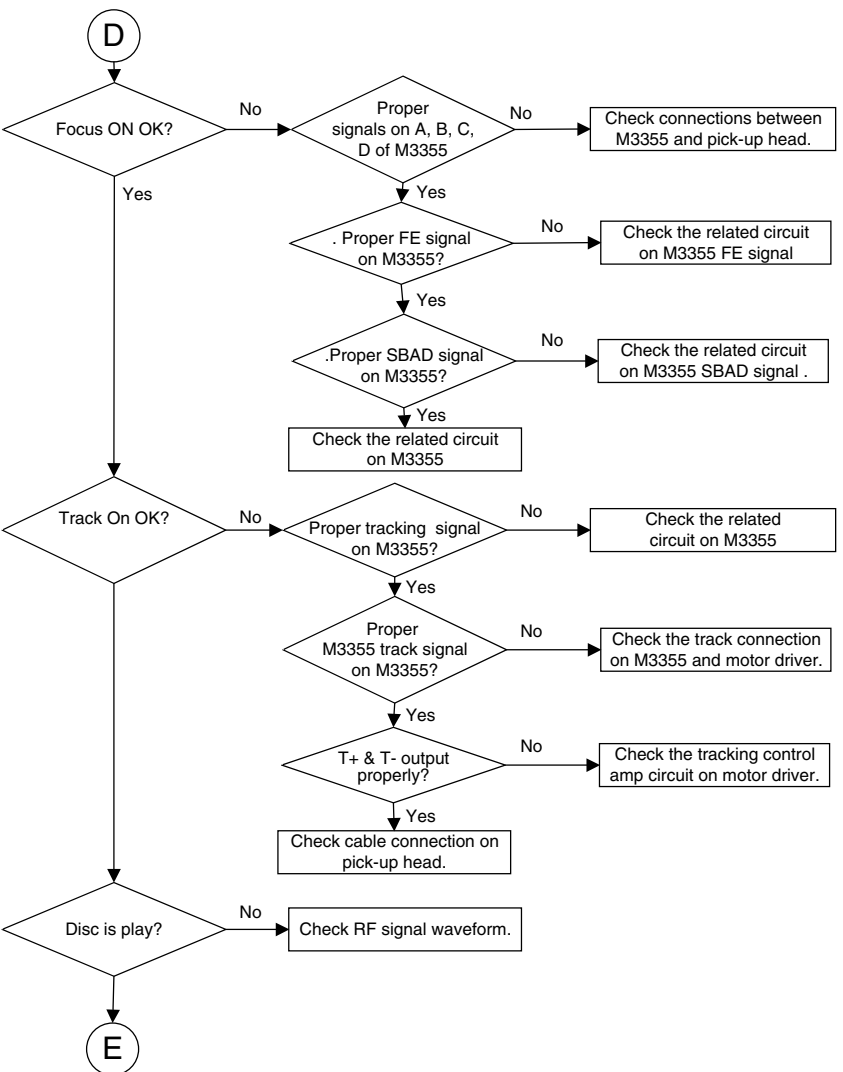
note: This Troubleshooting has various information.

2. System operation flow









WAVEFORMS

1. SYSTEM 27MHz CLOCK, RESET SIGNAL

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

2) M3355 reset is low active

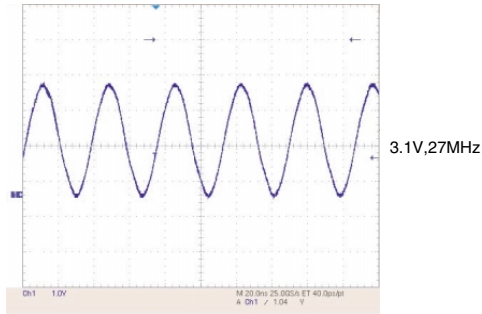


FIG 1-1

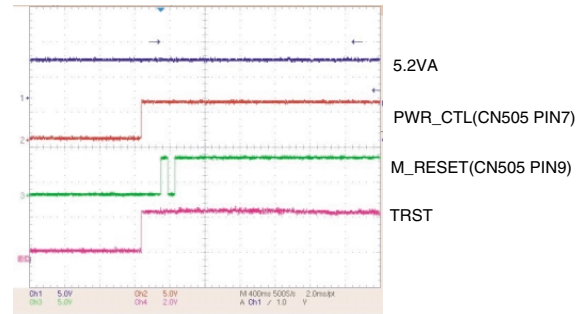


FIG 1-2

2. SDRAM CLOCK

1) SDRAM clock is at 135MHz

CLK=135MHz, Vp-p=3.3V

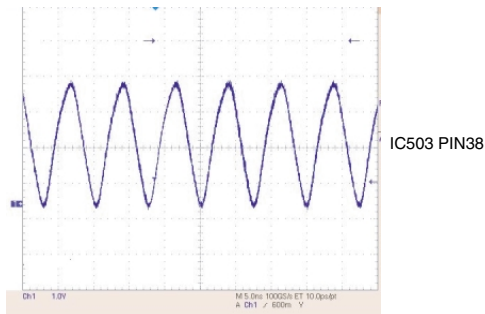


FIG 2-1

3. TRAY OPEN/CLOSE SIGNAL

1) Tray open/close waveform

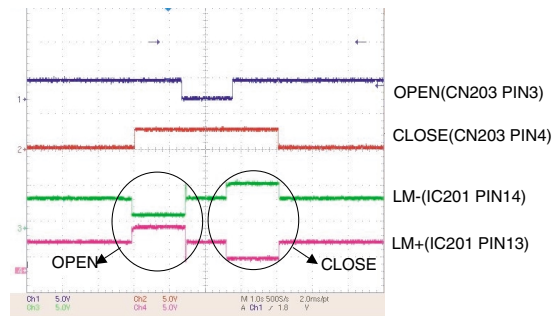


FIG 3-1

2) Tray open waveform

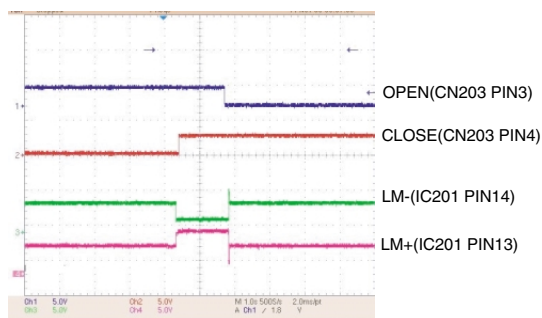


FIG 3-2

3) Tray close waveform

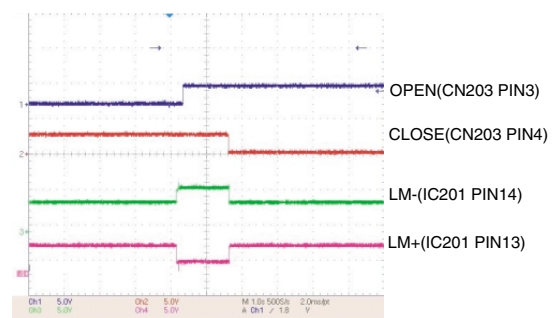


FIG 3-3

4. SLED CONTROL RELATED SIGNAL(NO DISC CONDITION)

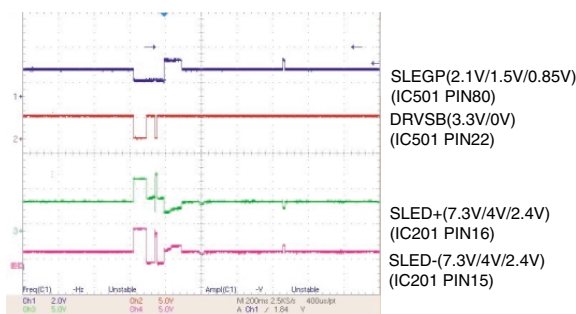


FIG 4-1

5. LENS CONTROL RELATED SIGNAL(NO DISC CONDITION)

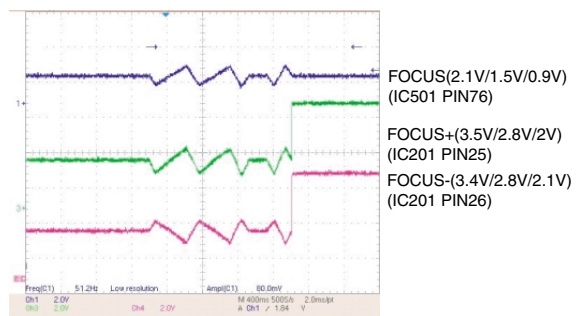


FIG 5-1

DVF-3080-S/8100

WAVEFORMS

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

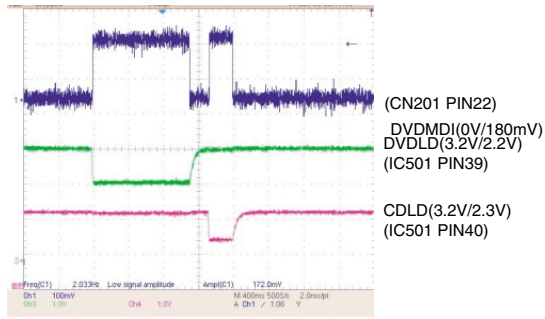


FIG 6-1

7. DISC TYPE JUDGEMENT WAVEFORM

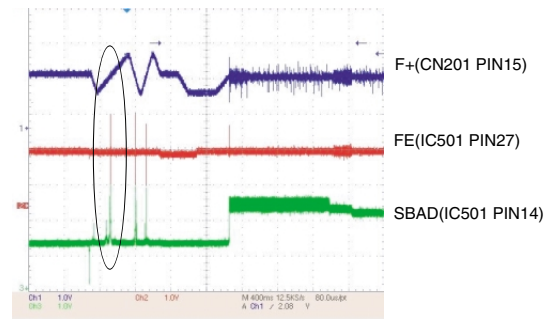


FIG 7-1(DVD)

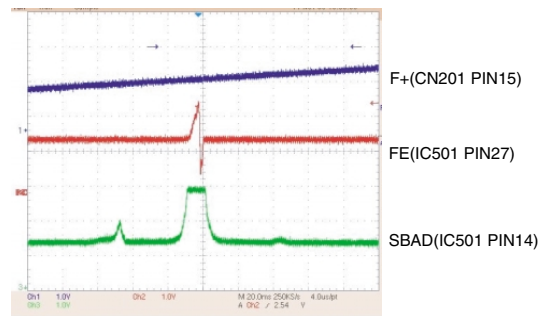


FIG 7-2(DVD)

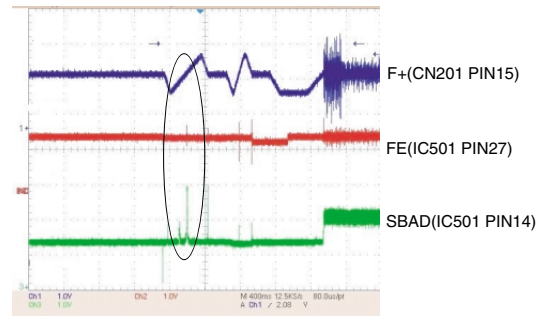


FIG 7-3 (CD)

8. FOCUS ON WAVEFORM

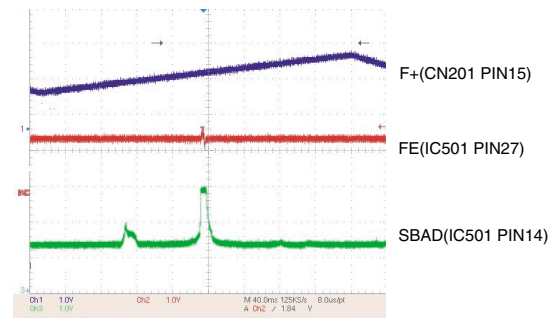


FIG 7-4 (CD)

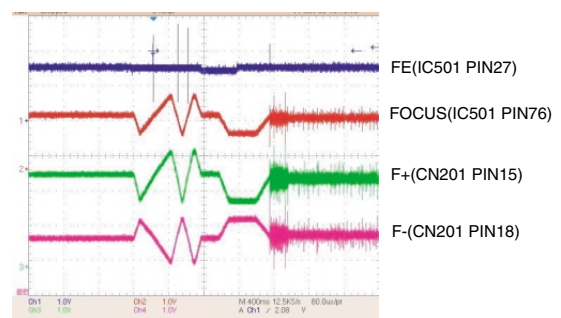


FIG 8-1 (DVD)

9. SPINDLE CONTROL WAVEFORM (NO DISC CONDITION)

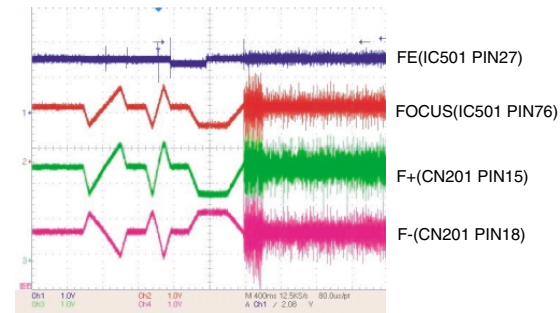


FIG 8-2 (CD)

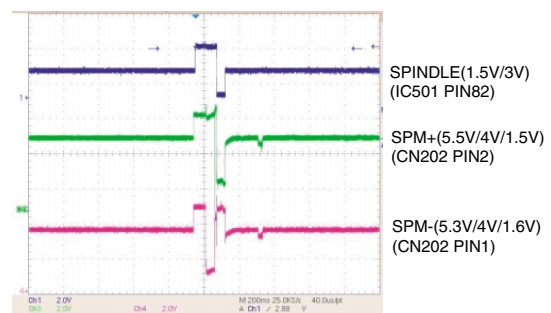
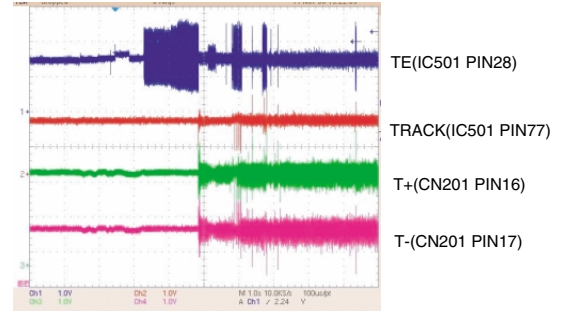
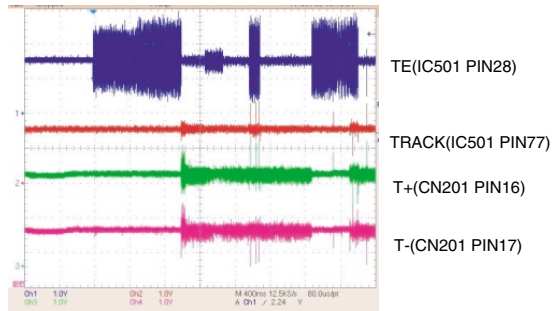


FIG 9-1 (DVD)

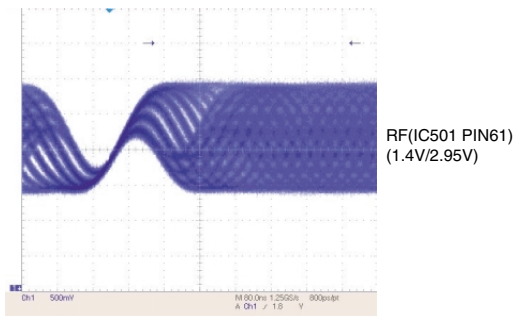
DVF-3080-S/8100

WAVEFORMS

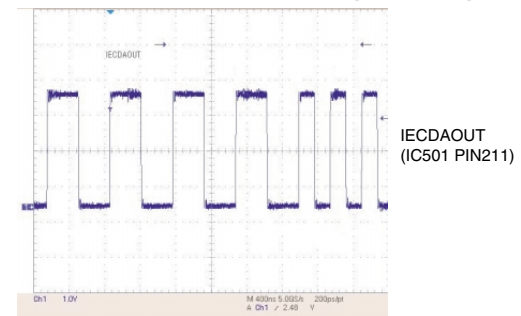
10. TRACKING CONTROL RELATED SIGNAL(System checking)



11. RF WAVEFORM

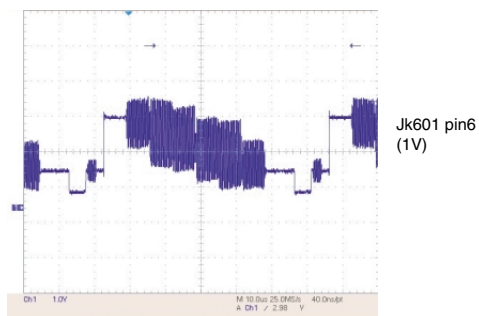


12. M3355 AUDIO OPTICAL AND COAXIAL OUTPUT(ASPDIF)

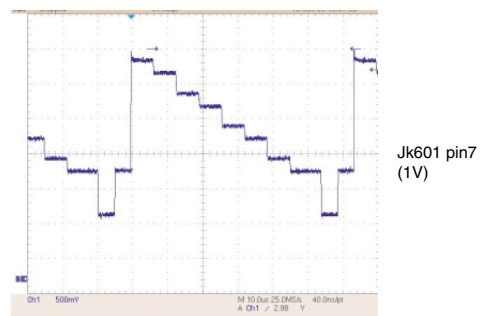


13.M3355 VIDEO OUTPUT WAVEFORM

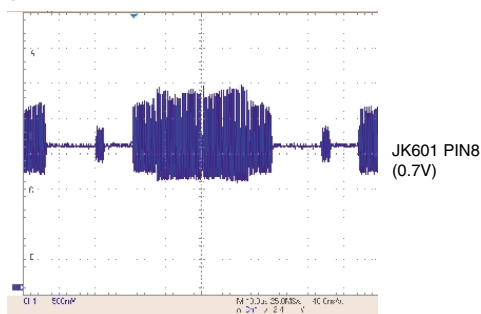
1) Full colorbar signal(CVBS)



2) Y

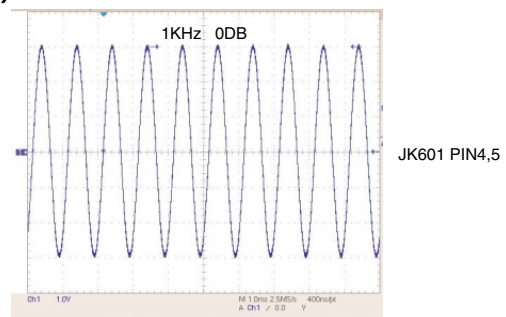


3) C



14. AUDIO OUTPUT FROM AUDIO DAC

1) AUDIO L/R



DVF-3080-S/8100

WAVEFORMS

2) Audio Related Signal

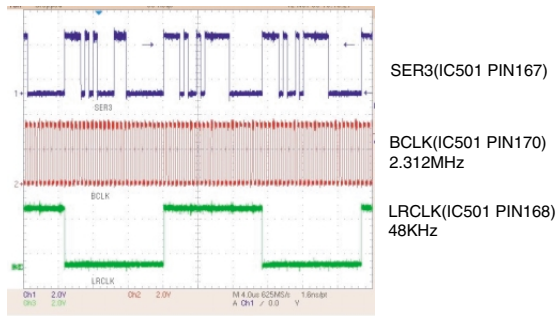
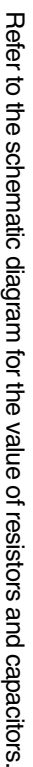
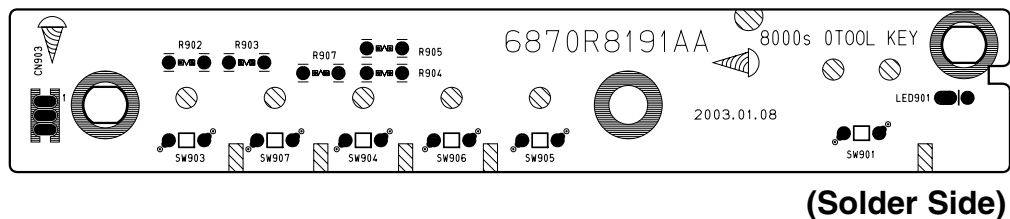


FIG 14-2



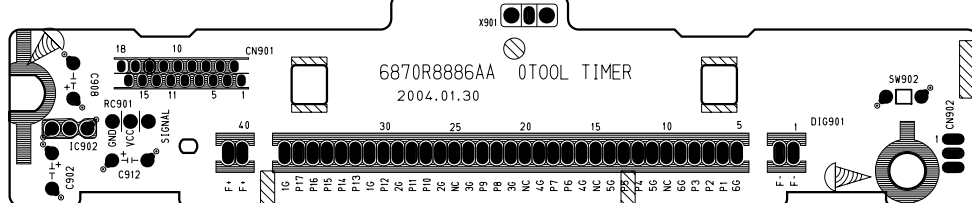
PC BOARD

2. KEY P.C.BOARD



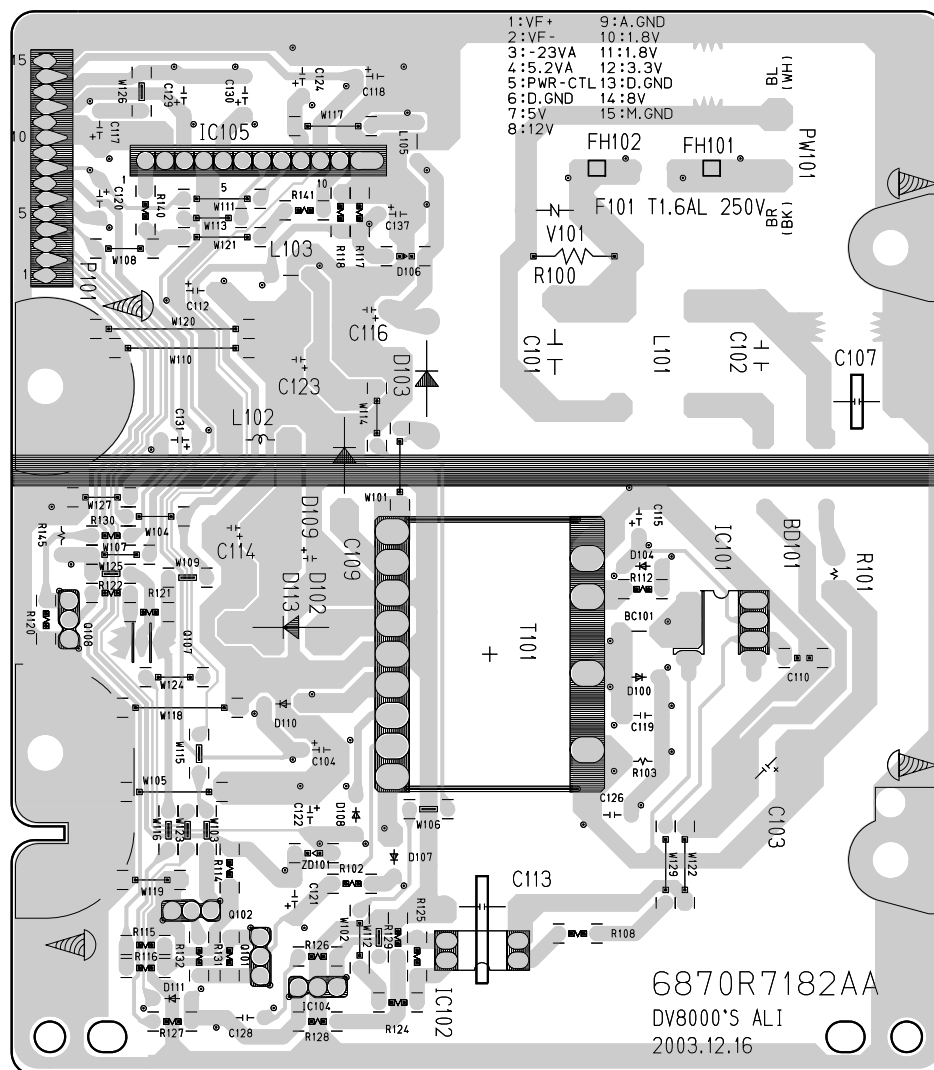
(Solder Side)

3. FRONT P.C.BOARD



(Solder Side)

4. SMPS P.C.BOARD

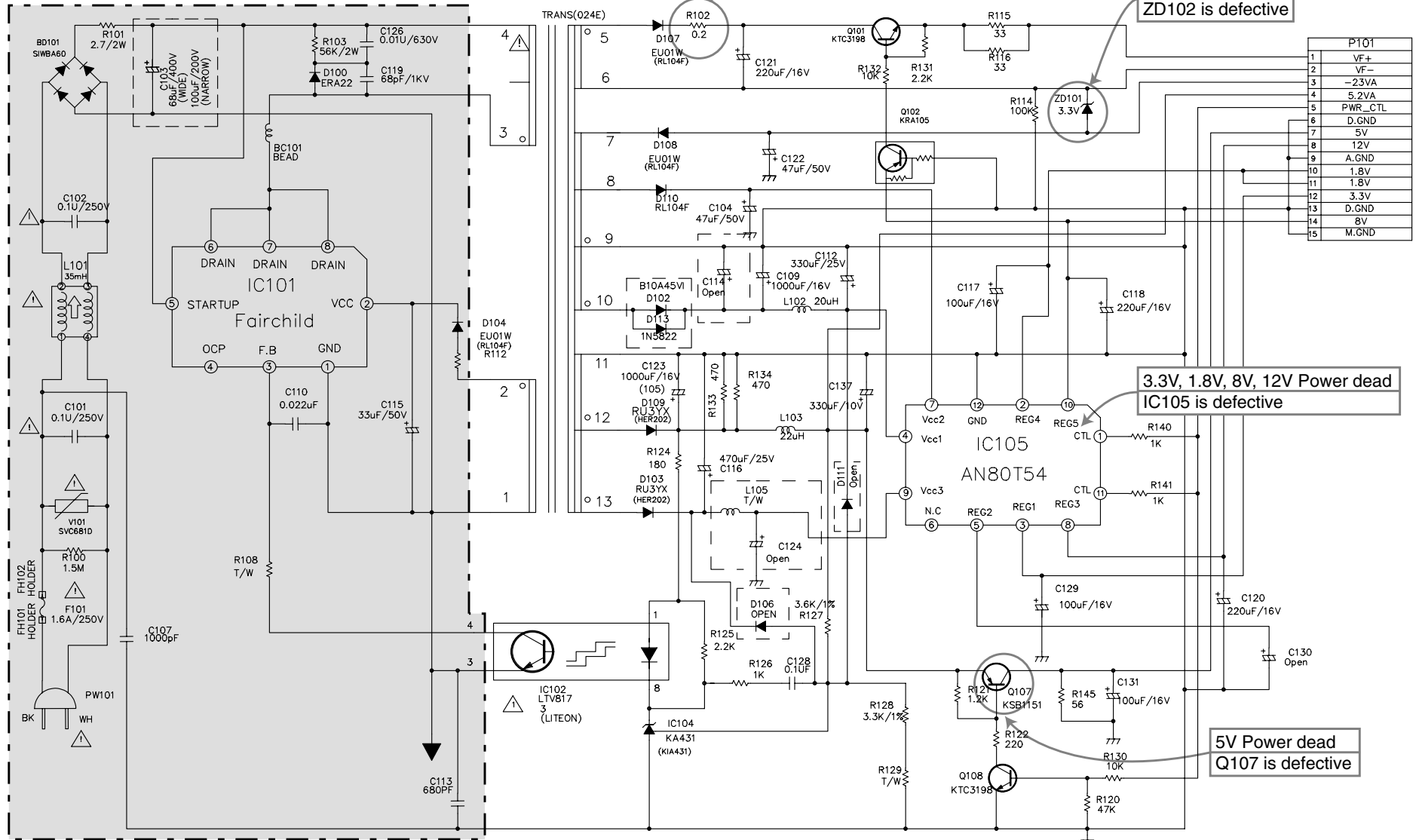


Note: This manual has no Scart pcb.

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	XLRLCK	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

1. POWER(SMPS) CIRCUIT DIAGRAM

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



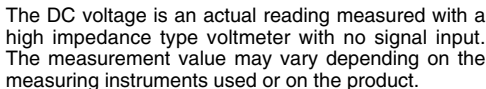
NOTES: ⚠ Warning
Parts that are shaded are critical
With respect to risk of fire or
electrical shock.

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.

٢



Video Signal CVBS
2CH Audio

3. SYSTEM CIRCUIT DIAGRAM

1

2

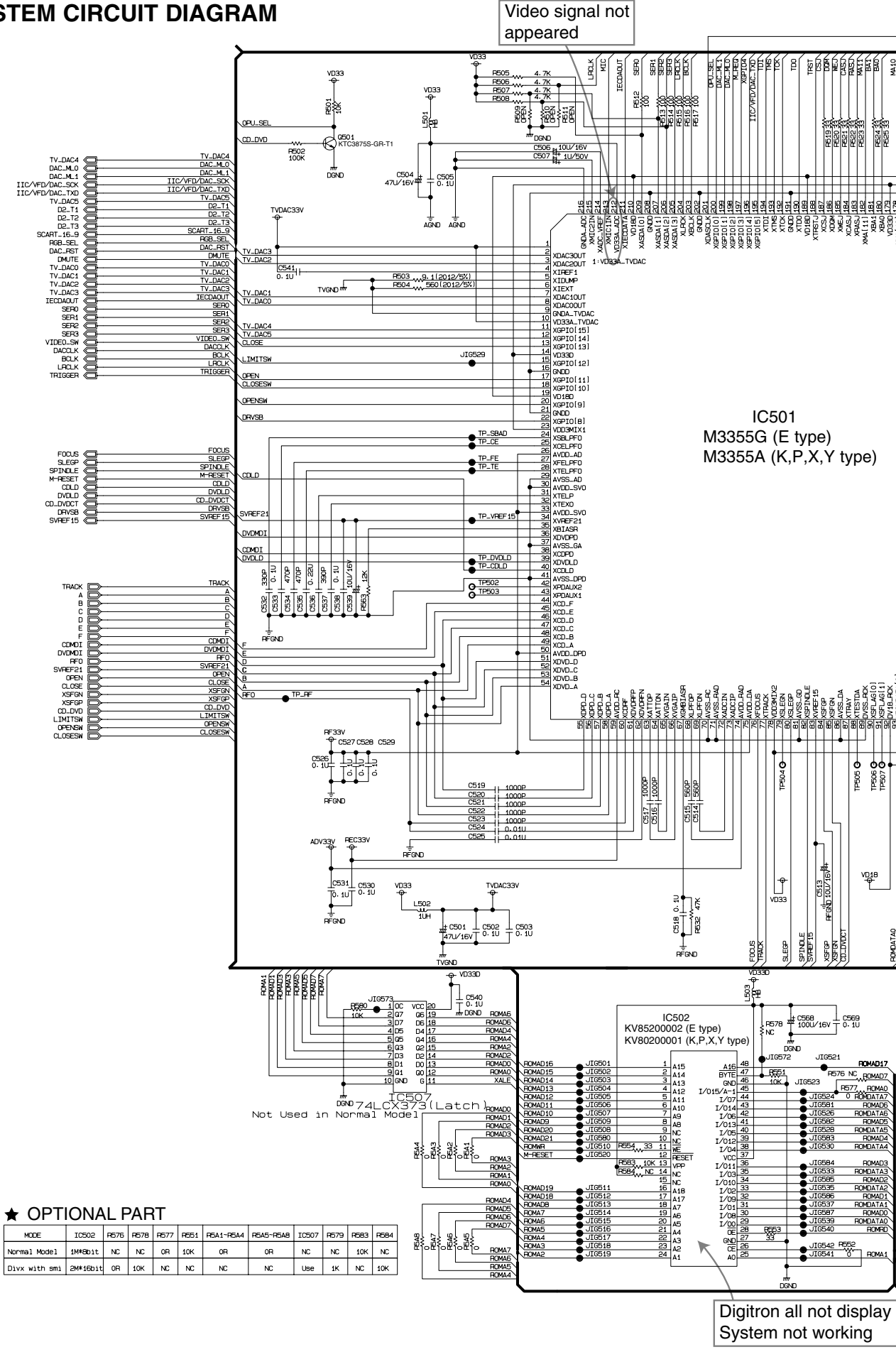
3

4

5

6

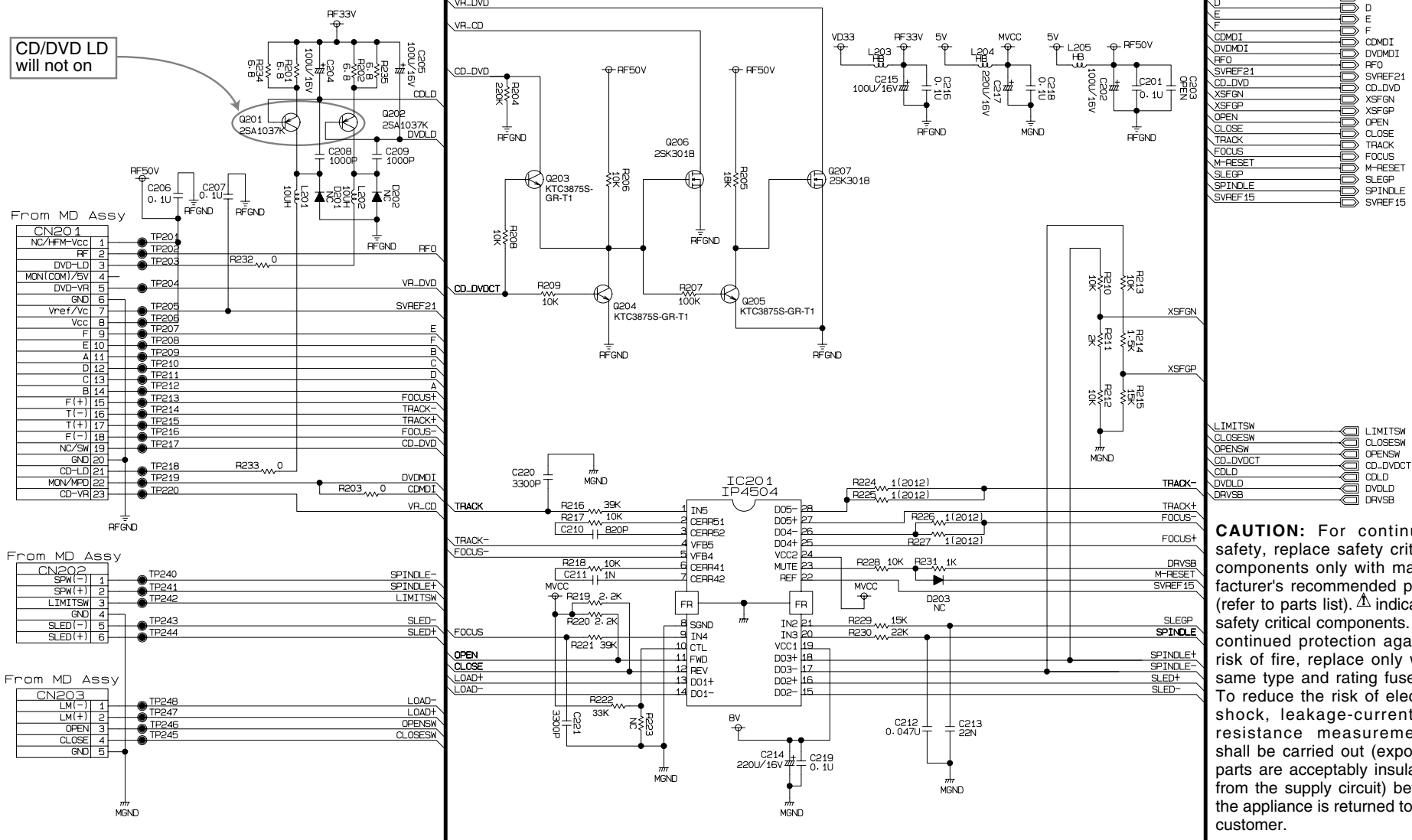
7



26

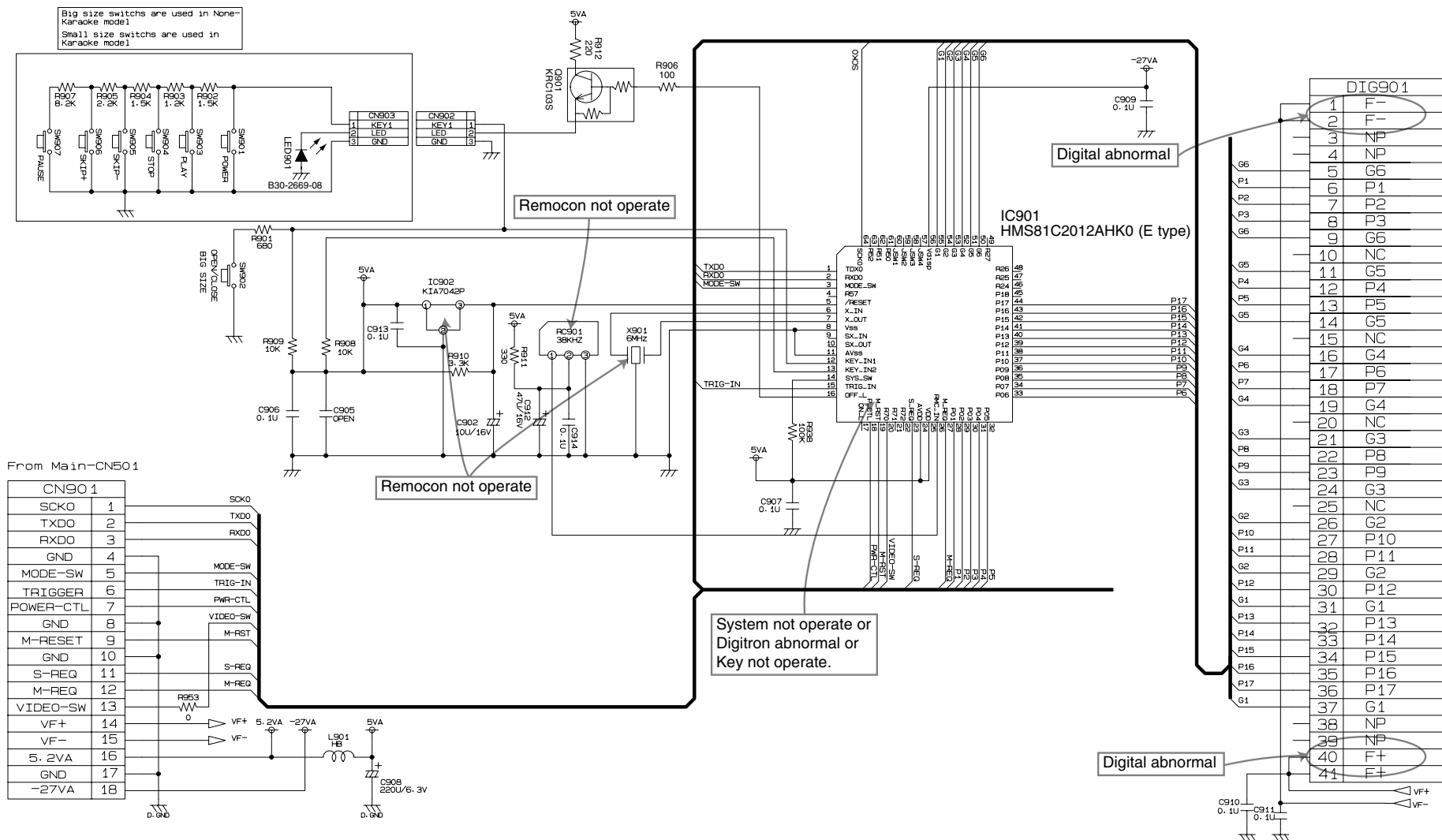
4. DRIVER CIRCUIT DIAGRAM

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.



FRONT & KEY

Big size switches are used in None-Karaoke mode1
Small size switches are used in Karaoke mode1



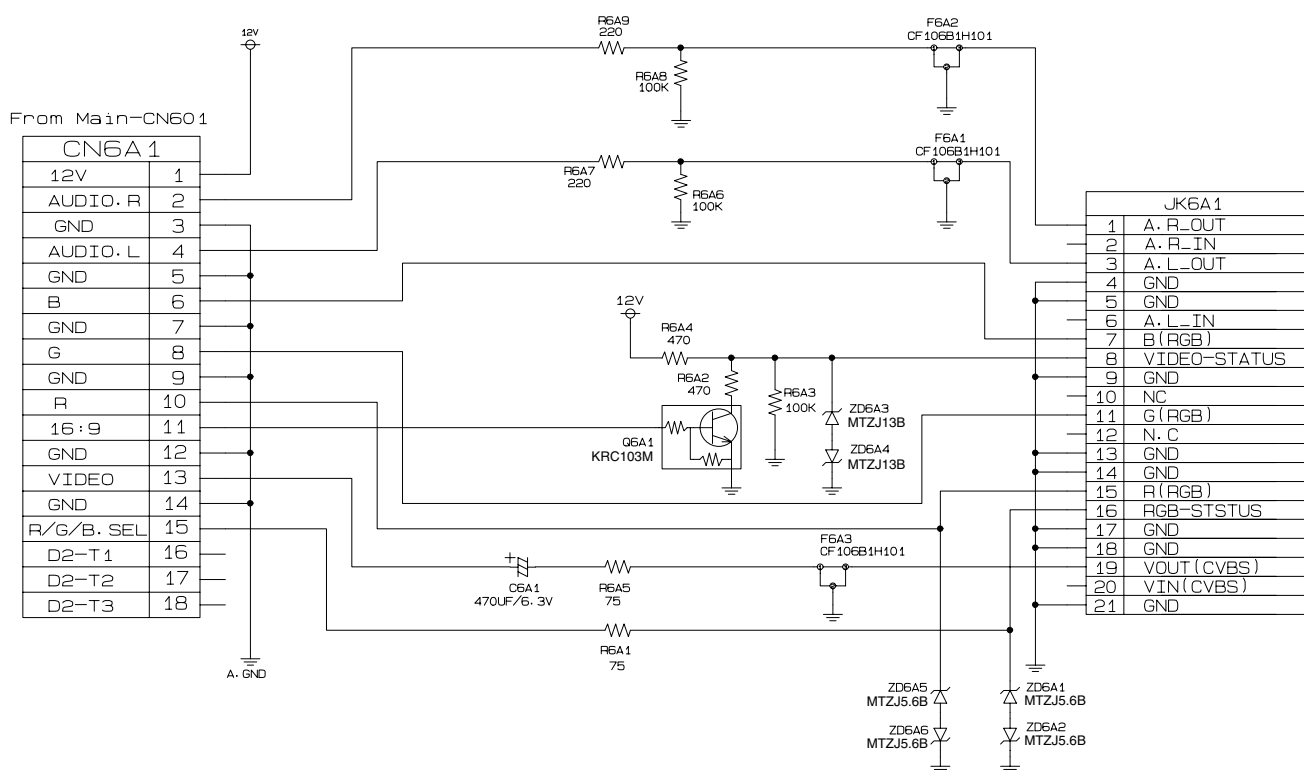
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock,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

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

6. SCART CIRCUIIT DIAGRAM

SCART OPTION

All stuffs are used for Scart Model Only !!!

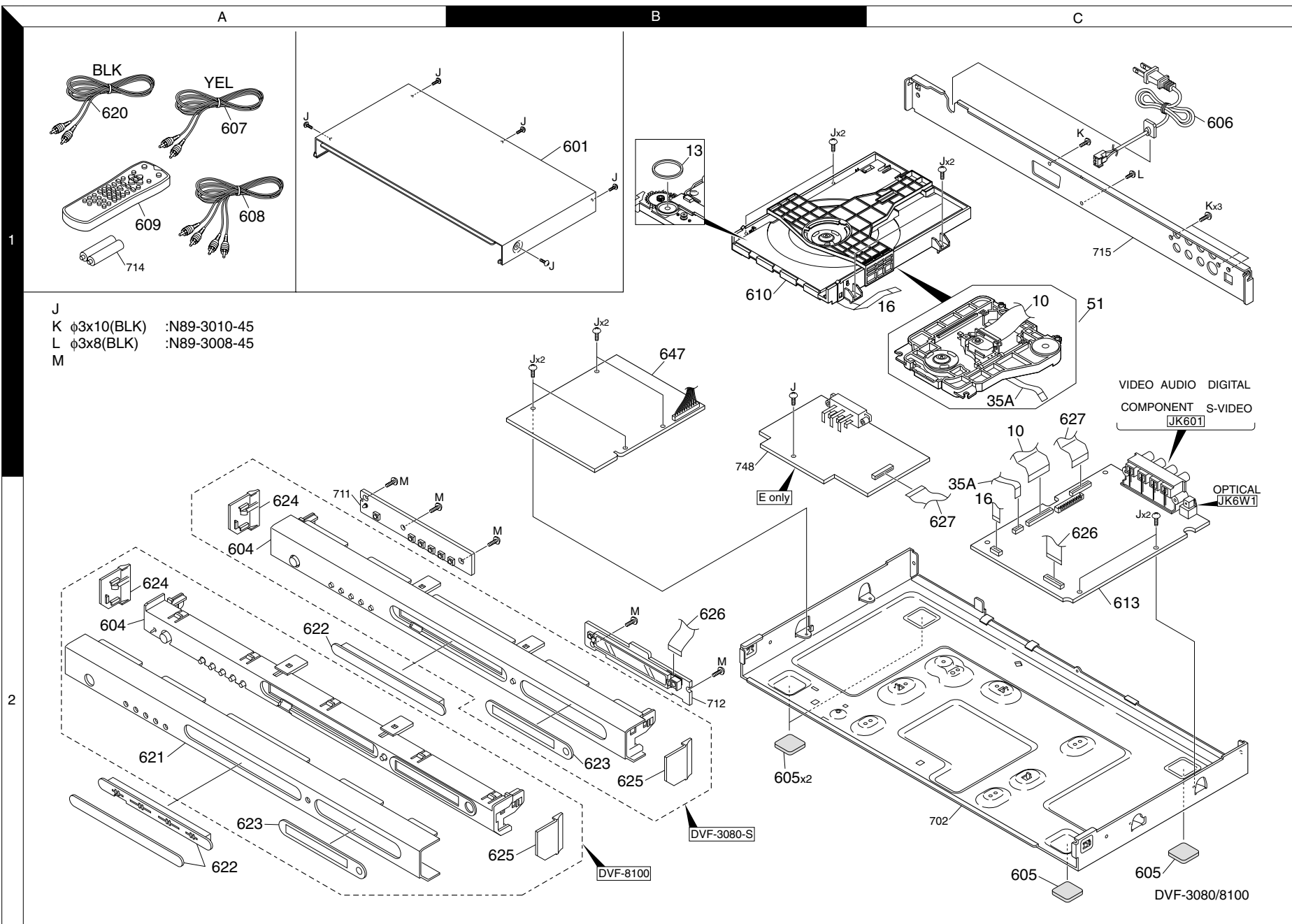


CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, 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)



* New Parts

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①

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
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)		PE
-		*	B60-5481-08	INSTRUCTION(FR)		
-		*	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		E
△ 627	1C,2C	*	-	CABLE,FLAT		KP
△ 647	1B	*	W02-4556-08	PWB(PCB) ASSEM	6871R-7184B	E
△ 647	1B	*	W02-4557-08	PWB(PCB) ASSEM	6871R-7184A	
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

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②

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
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
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
C217			CE04KW1C221M	ELECTRO	220UF	16WV
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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PARTS LIST

DVF-3080-S/8100

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3

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
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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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
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
C634			CE04KW0J102M	ELECTRO	1000UF	6.3WV
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
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	
JK601		*	E63-1356-08	JACK,RCA	6612J00044E	
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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DVF-3080-S/8100

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5

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
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
R503			RK73FB2A9R1J	CHIP R	9.1	J 1/10W
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

L : Scandinavia
Y : PX(Far East,Hawaii)
Y : AAFES(Europe)

K : USA
T : England
X : Australia

P : Canada
E : Europe
Q : Russia

R : Mexico
G : Germany
H : Korea

C : China
V : China(Shanghai)
M : Other Areas

I : Malaysia

⚠ indicates safety critical components .

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
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
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
R661			RK73GB1J680J	CHIP R	68	J 1/16W
R661			RK73GB1J821J	CHIP R	820	J 1/16W
R662			RK73GB1J750J	CHIP R	75	J 1/16W
R663,4			RK73GB1J680J	CHIP R	68	J 1/16W
R663,4			RK73GB1J821J	CHIP R	820	J 1/16W
R666			RK73GB1J000J	CHIP R	0	J 1/16W
R668			RK73GB1J000J	CHIP R	0	J 1/16W
D600			DAP202K	DIODE,SWITCHIN	0DSRM00118A	
IC201	*		IP4504	IC,LINEAR	0ILNRIJ001A	
IC501	*		M3355A	IC,LINEAR	0ILNRAC003A	
IC501	*		M3355G	IC,LINEAR	0ILNRAC003G	
IC502	*		KV8020001	PROGRAM	6957R-018HT	
IC502	*		KV8520002	PROGRAM	6957R-018HE	
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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PARTS LIST

DVF-3080-S/8100

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).