CONTENTS

SECTION 1. GENERAL PART

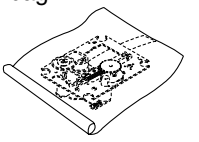
SERVICING PRECAUTIONS

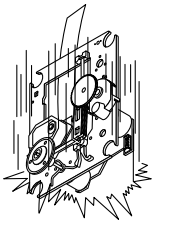
NOTES REGARDING HANDLING OF THE PICK-UP

1. Notes for transport and storage

1) The pick-up should always be left in its conductive bag until immediately prior to use.
2) The pick-up should never be subjected to external pressure or impact.

Storage in conductive bag

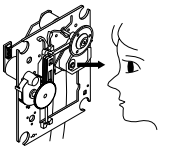




Drop impact

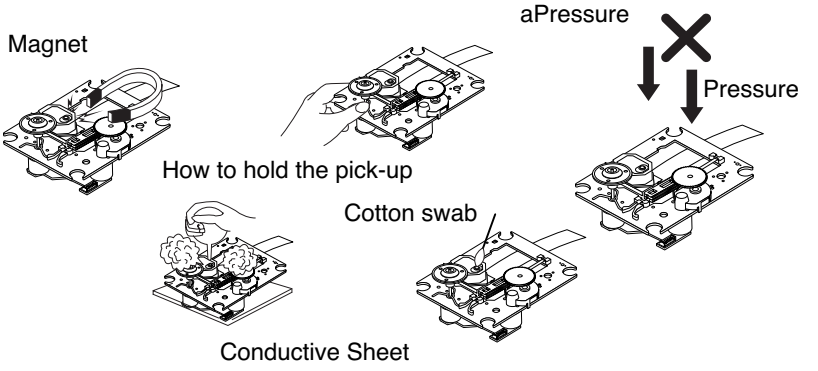
2. Repair notes

1) The pick-up incorporates a strong magnet, and so should never be brought close to magnetic materials.
2) The pick-up should always be handled correctly and carefully, taking care to avoid external pressure and impact. If it is subjected to strong pressure or impact, the result may be an operational malfunction and/or damage to the printed-circuit board.
3) Each and every pick-up is already individually adjusted to a high degree of precision, and for that reason the adjustment point and installation screws should absolutely never be touched.
4) Laser beams may damage the eyes!
   Absolutely never permit laser beams to enter the eyes!
   Also NEVER switch ON the power to the laser output part (lens, etc.) of the pick-up if it is damaged.



NEVER look directly at the laser beam, and don't let contact fingers or other exposed skin.

5) Cleaning the lens surface
   If there is dust on the lens surface, the dust should be cleaned away by using an air bush (such as used for camera lens). The lens is held by a delicate spring. When cleaning the lens surface, therefore, a cotton swab should be used, taking care not to distort this.



6) Never attempt to disassemble the pick-up.
   Spring by excess pressure. If the lens is extremely dirty, apply isopropyl alcohol to the cotton swab. (Do not use any other liquid cleaners, because they will damage the lens.) Take care not to use too much of this alcohol on the swab, and do not allow the alcohol to get inside the pick-up.

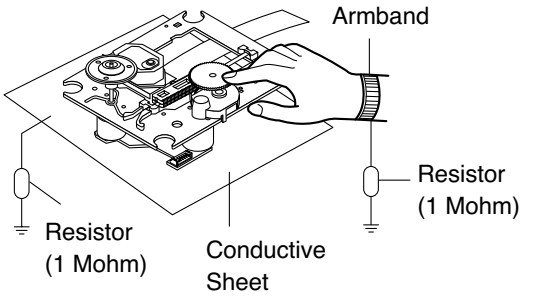
NOTES REGARDING COMPACT DISC PLAYER REPAIRS

1. Preparations

1) Compact disc players incorporate a great many ICs as well as the pick-up (laser diode). These components are sensitive to, and easily affected by, static electricity. If such static electricity is high voltage, components can be damaged, and for that reason components should be handled with care.
2) The pick-up is composed of many optical components and other high-precision components. Care must be taken, therefore, to avoid repair or storage where the temperature of humidity is high, where strong magnetism is present, or where there is excessive dust.

2. Notes for repair

1) Before replacing a component part, first disconnect the power supply lead wire from the unit
2) All equipment, measuring instruments and tools must be grounded.
3) The workbench should be covered with a conductive sheet and grounded.
   When removing the laser pick-up from its conductive bag, do not place the pick-up on the bag. (This is because there is the possibility of damage by static electricity.)
4) To prevent AC leakage, the metal part of the soldering iron should be grounded.
5) Workers should be grounded by an armband (1MΩ)
6) Care should be taken not to permit the laser pick-up to come in contact with clothing, in order to prevent static electricity changes in the clothing to escape from the armband.
7) The laser beam from the pick-up should NEVER be directly facing the eyes or bare skin.



ESD PRECAUTIONS

Electrostatically Sensitive Devices (ESD)

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive Devices (ESD). Examples of typical ESD devices are integrated circuits and some field-effect transistors and semiconductor chip components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ESD devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ESD devices.
4. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ESD devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ESD devices.
6. Do not remove a replacement ESD device from its protective package until immediately before you are ready to install it. (Most replacement ESD devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive materials).
7. Immediately before removing the protective material from the leads of a replacement ESD device, touch the protective material to the chassis or circuit assembly into which the device will by installed.

CAUTION : BE SURE NO POWER IS APPLIED TO THE CHASSIS OR CIRCUIT, AND OBSERVE ALL OTHER SAFETY PRECAUTIONS.

8. Minimize bodily motions when handing unpackaged replacement ESD devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ESD device).

CAUTION. GRAPHIC SYMBOLS

THE LIGHTNING FLASH WITH APROWHEAD SYMBOL. WITHIN AN EQUILATERAL TRIANGLE, IS INTENDED TO ALERT THE SERVICE PERSONNEL TO THE PRESENCE OF UNINSULATED “DANGEROUS VOLTAGE” THAT MAY BE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK.

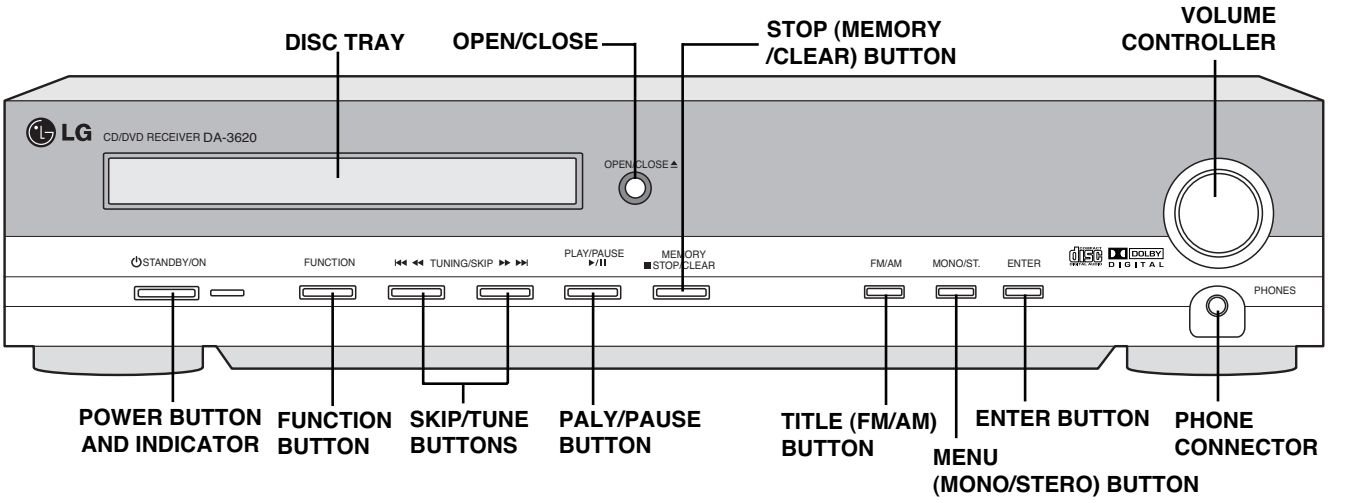
THE EXCLAMATION POINT WITHIN AN EQUILATERAL TRIANGLE IS INTENDED TO ALERT THE SERVICE PERSONNEL TO THE PRESENCE OF IMPORTANT SAFETY INFORMATION IN SERVICE LITERATURE.

SPECIFICATIONS

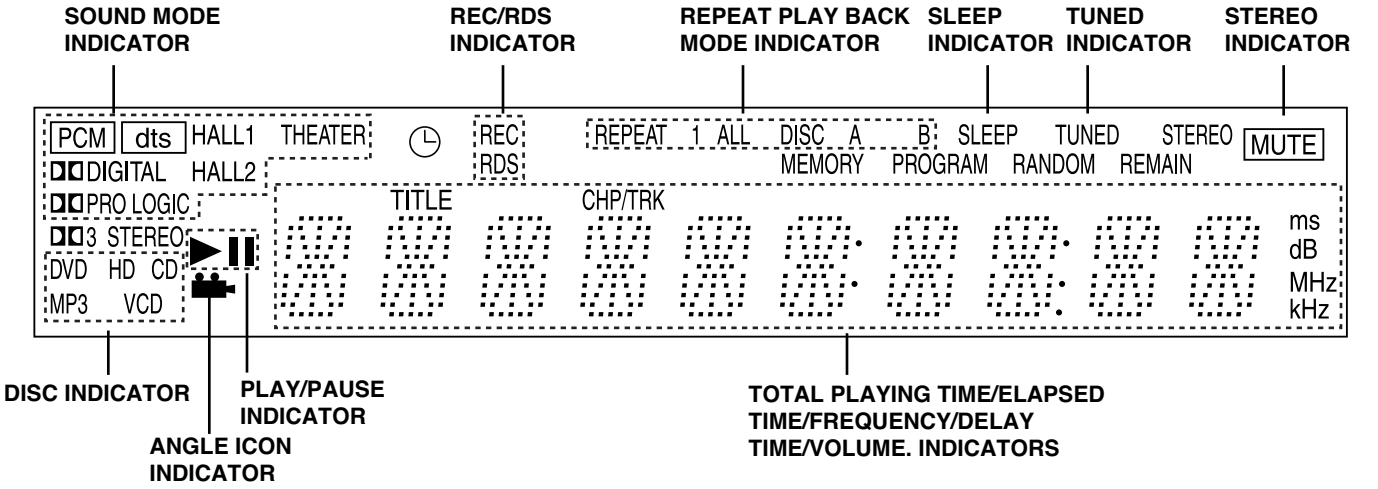
[General]	Power supply	AC 220~240V, 50/60Hz	
	Power consumption	70W	
	Mass	4.6kg	
	External dimensions (W x H x D)	360 x 72 x 350mm	
	Operating conditions	Temperature: 5˚C to 35˚C, Operation status: Horizontal	
	Operating humidity	5% to 85%	
[CD/DVD]	Laser	Semiconductor laser, wavelength 650nm	
	Signal system	PAL 625/50, NTSC 525/60	
	Frequency range(audio)	4 Hz to 20 kHz	
	Signal-to-noise ratio(audio)	More than 75dB (1kHz, NOP, 20kHz LPF/A-Fiter)	
	Dynamic range (audio)	More than 75dB	
	Harmonic distortion(audio)	0.5% (1kHz, at 12Q position) (20kHz LPF/A-Filter)	
[Video]	Video input	1.0V (p-p), 75Ω, negative sync., RCA jack	
	Video output	1.0V (p-p), 75Ω, negative sync., RCA jack	
	S-video output	(Y) 1.0V (p-p), 75Ω, negative sync., Mini DIN 4-pin x 1 (C) 0.3V (p-p), 75Ω	
[Tuner] FM	Tuning Range	87.5~108MHz	
	Intermediate Frequency	10.7MHz	
	Signal-to Noise Ratio	60dB	
	Frequency Response	150~10,000Hz	
AM(MW)	Tuning Range	522~1, 611kHz	
	Intermediate Frequency	450kHz	
[Amplifier]	Stereo mode	35W + 35W(8Ω at 1kHz, THD 10%)	
	Surround mode * Depending on the sound mode settings and the source, there may be no sound output.	Front: 50W+50W (THD 10%) Center*: 35W Surround*: 50W +50W(8Ω at 1Hz, THD 10%)~35W Subwoofer*: 35W(8Ω at 30Hz, THD 1%)	
	Inputs	VIDEO 1, 2, OPTICAL AUDIO	
	Outputs	VIDEO 1(AUDIO OUT): 2V WOOFER: 2V	
[Speakers]		Satellite Speaker(FE-3620TE)	Passive Subwoofer(FE-3620WE)
	Type	1 Way 1Speaker	1Way 1Speaker
	Impedance	8Ω	8Ω
	Frequency Response	110~40,000Hz	45 ~1,500Hz
	Sound Pressure Level	83dB/W(1m)	82 dB/W(1m)
	Rated Inut Power	35W	35W
	Max. Input Power	70W	70W
	Net dimensions(W x H x D)	90 x 70 x 106.5mm	160 x 350 x 325mm
	Net Weight	0.65kg	4.5kg
[Supplied Accessories]	• Audio cable ..... 1 • Speakers ..... 6 • Remote control ..... 1 • AM loop antenna ..... 1 • Video cable ..... 1 • Speaker cables ..... 5 • Batteries (AAA) ..... 2 • FM antenna 1		

LOCATION OF CUSTOMER CONTROLS

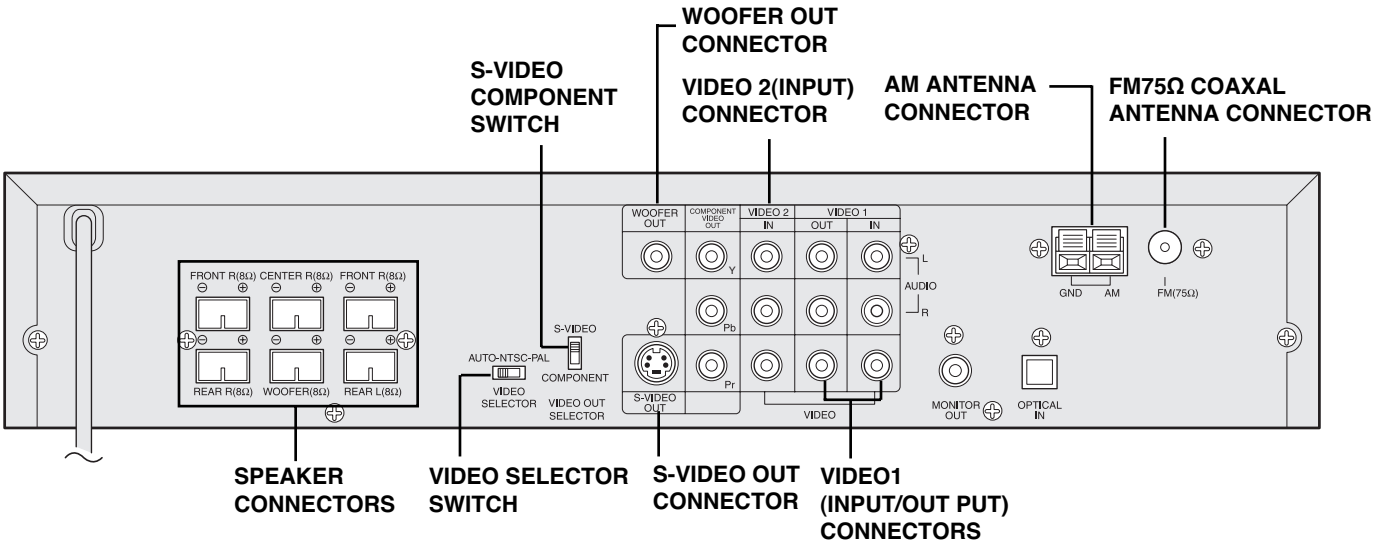
FRONT PANEL



DISPLAY WINDOW



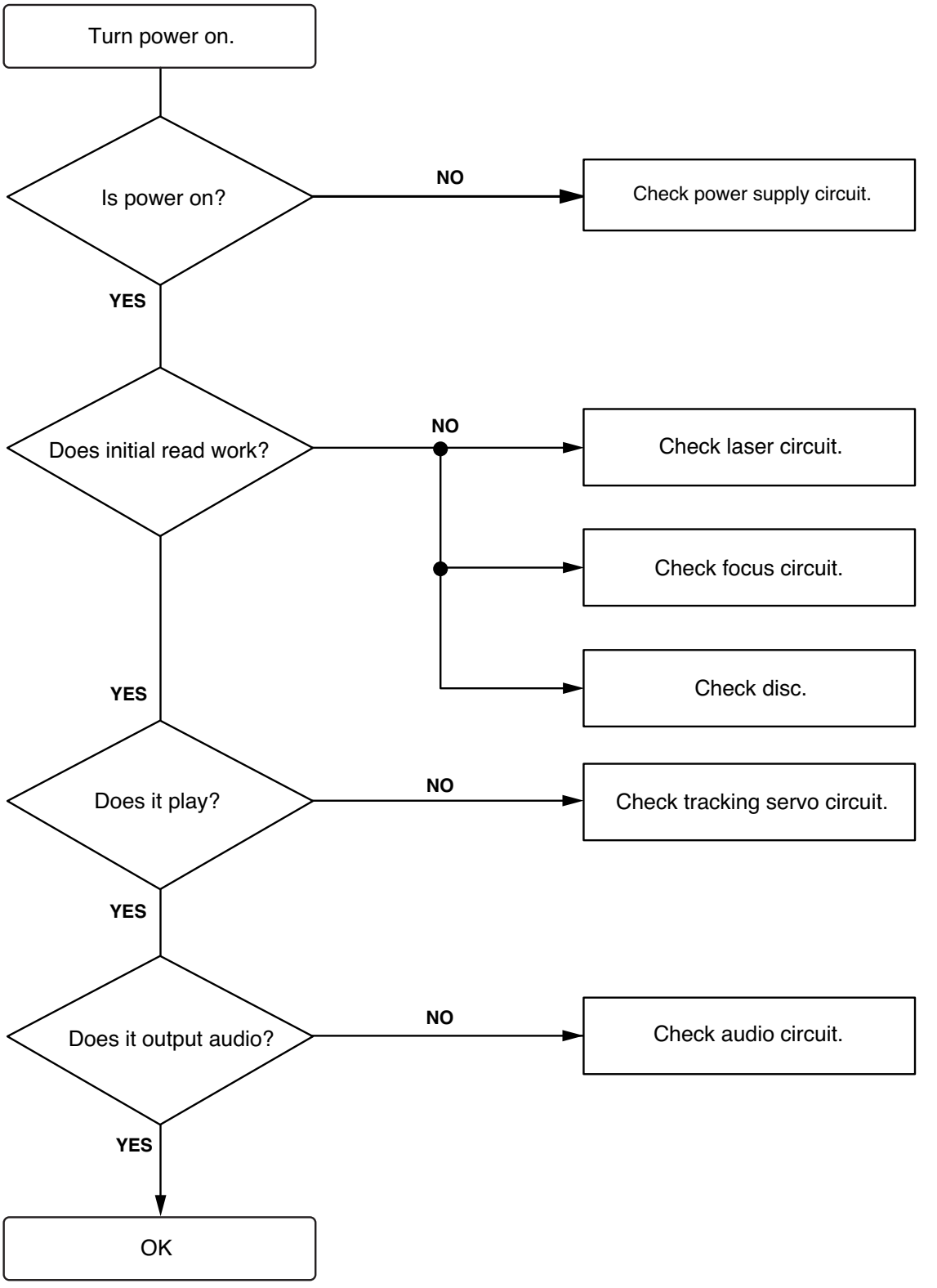
REAR PANEL


WOOFER OUT CONNECTOR
S-VIDEO COMPONENT SWITCH
VIDEO 2(INPUT) CONNECTOR
AM ANTENNA CONNECTOR
FM75Ω COAXAL ANTENNA CONNECTOR
FRONT R(8Ω) CENTER R(8Ω) FRONT R(8Ω)
REAR R(8Ω) WOOFER(8Ω) REAR L(8Ω)
WOOFER OUT
COMPONENT VIDEO OUT
VIDEO 2 IN
VIDEO 1 OUT IN
Y
Pb
Pr
L
AUDIO
R
GND AM
FM(75Ω)
S-VIDEO
AUTO-NTSC-PAL
COMPONENT
VIDEO SELECTOR
VIDEO OUT SELECTOR
S-VIDEO OUT
VIDEO
MONITOR OUT
OPTICAL IN
SPEAKER CONNECTORS
VIDEO SELECTOR SWITCH
S-VIDEO OUT CONNECTOR
VIDEO1 (INPUT/OUT PUT) CONNECTORS

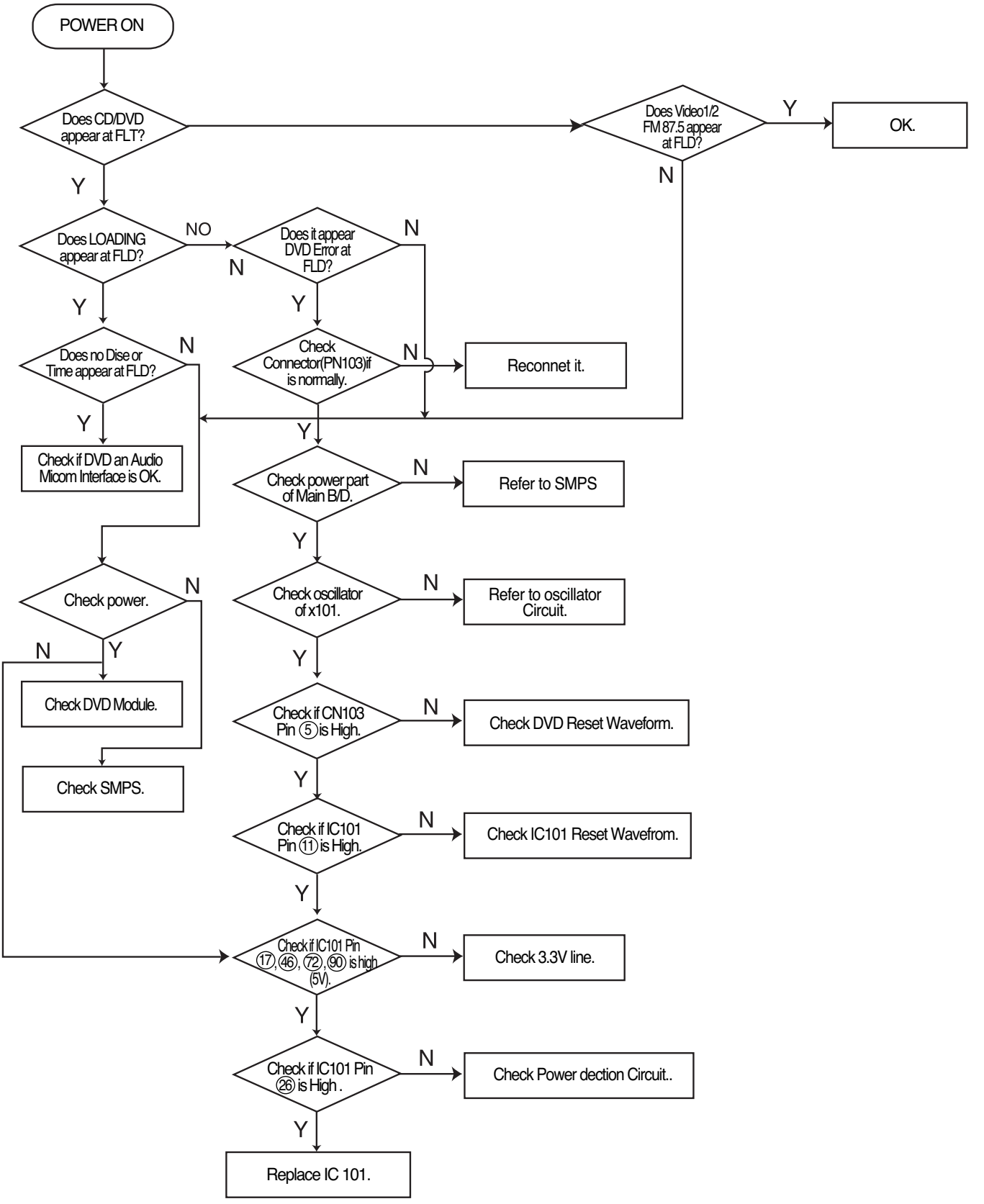
SECTION 2. AUDIO PART

ELECTRICAL TROUBLESHOOTING GUDIE

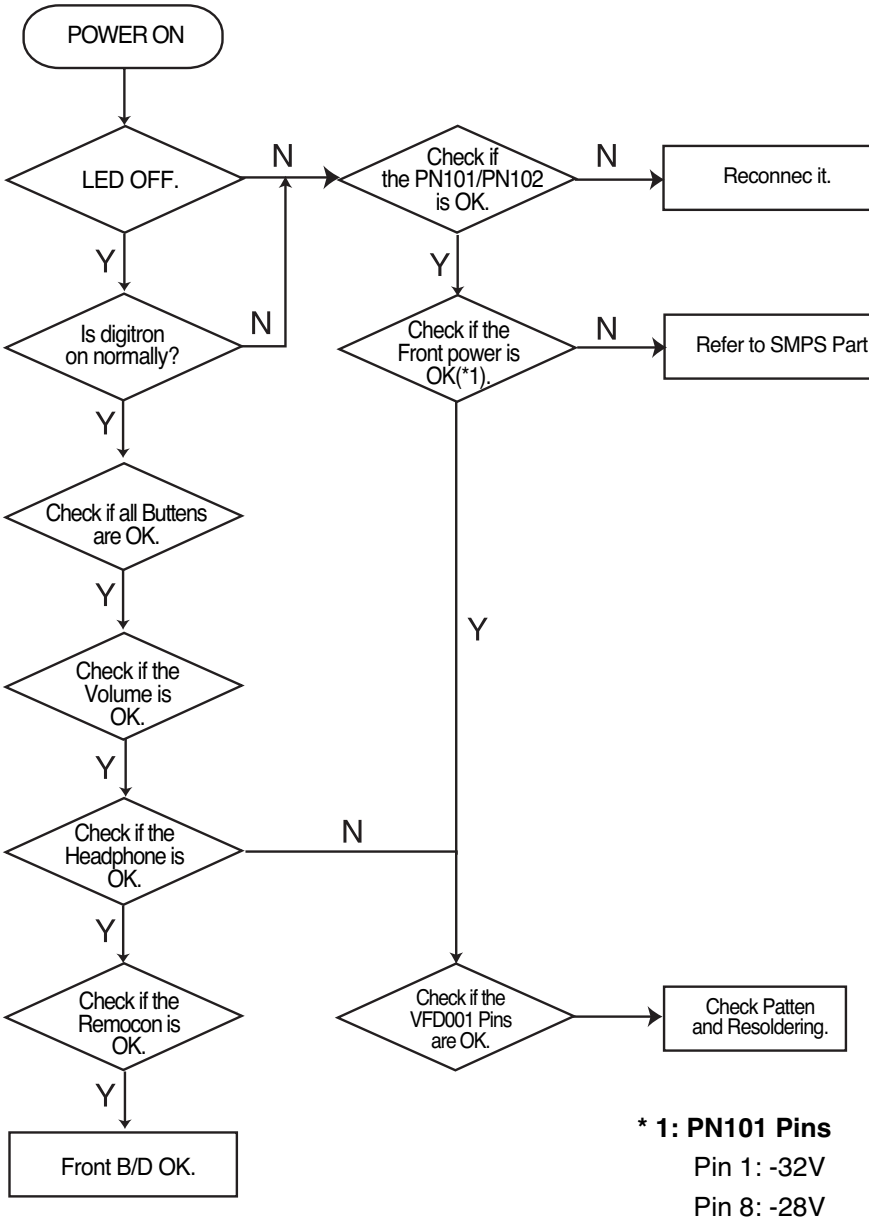
1.



2. AUDIO μ. COM Circuit



3. Front Circuit (1/2)



*** 1: PN101 Pins**

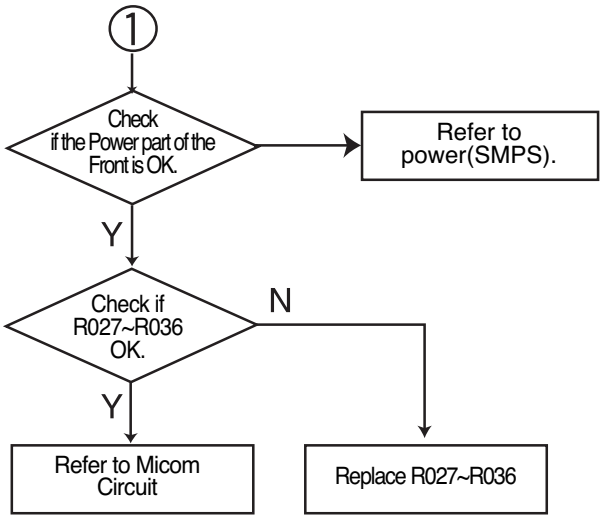
Pin 1: -32V

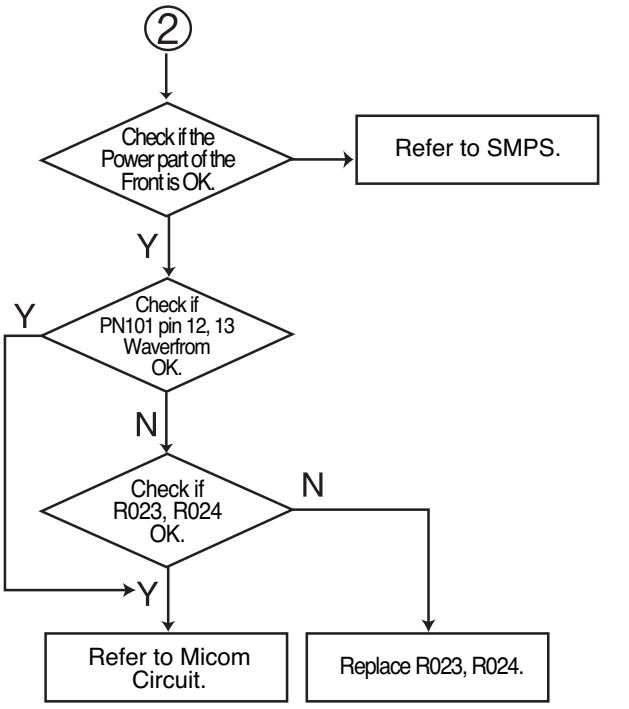
Pin 8: -28V

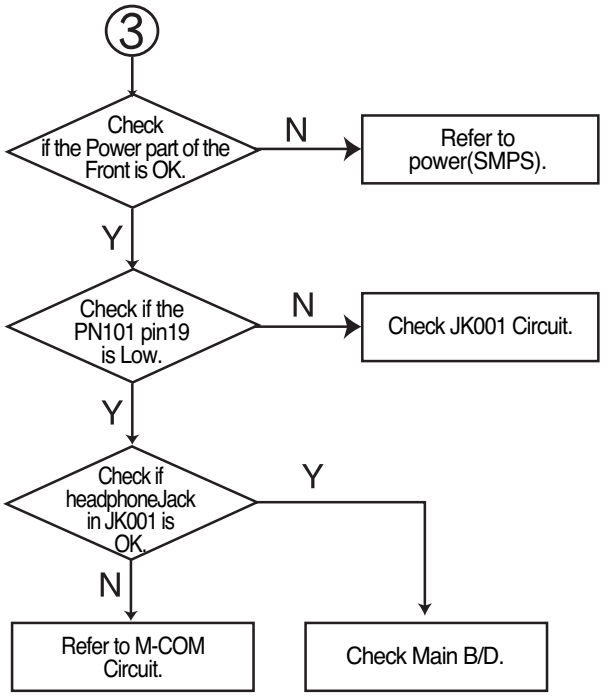
Pin 9: -32V

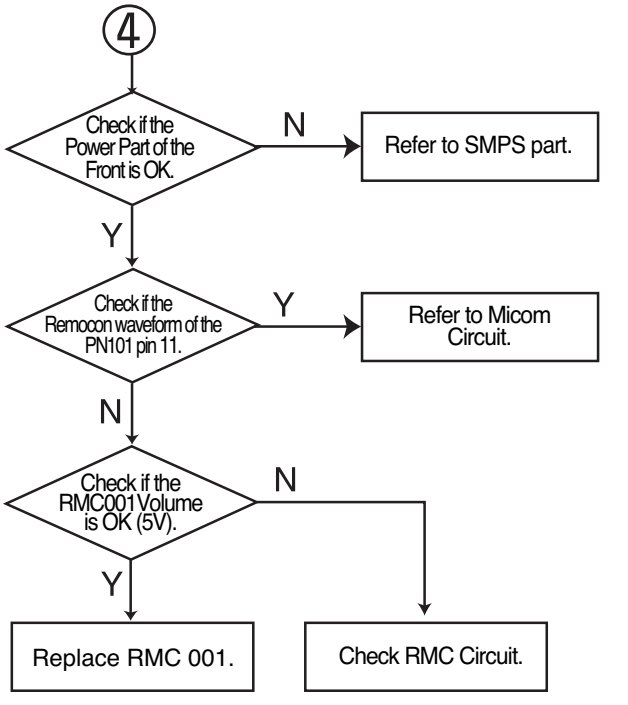
Pin 20: 12V

Front Circuit (2/2)









DVD PLAYER PROGRAM DOWNLOAD METHOD

1. DVD player without CD-RW option

1-1) Download the DVD program from your PC as following procedure

ACTION	FLD display
• Plug the Power cord out	
• Connect the Fixture for download (Refer to Deck Mechanism Adjustment)	
• Execute the prgram for download(Flashrom.exe)	
• Open the DVD program file	
• Plug the Power cord in	
• Press the MENU Key on the Remote controller	FLASH
• Select Down icon with injector icon then start download from the P.C	
■ In status of download	
• Erased the Flash memory	FLASH ERA
• Written the Flash memory	FLASH XX(XX: Program counter)
• Verified the Flash memory	FLASH XX(XX: Program counter)
• Completed the download	FINISHED

■ If an error was occurred during download, do not unplug the Power cord, and retry the download form the P.C until it is completed.

2. DVD player with CD-RW option(for models using C-CUBE MPEG chip, marking on the IC is ZIVA)

2-1) Make the DVD program upgrade Disc as following procedure

*Recommended S/W: adaptec Easy CD Creater
*use file format: ISO9660

- Rename the souce file from the P.C to FIRMWARE.BIN
  (Ex, If Source file is lg_a3_korea.bin, rename to FIRMWARE.BIN)
- Format the CD-RW Disc as below Make the Folder name to UPGRSADE.DVD under root folder
  (Ex, ₩UPGRADE.DVD)
- Download the source file renamed to FIRMWARE.BIN in the folder
  (Ex, ₩UPGRADE.DVD ₩FIRMWARE.BIN)

2-2) Insert the upgrade Disc into the DVD player slot, then the DVD player reads the Disc and upgrade the Firmware itself as followings

Status	FLD display on DVD player
• Detect the upgrade Disc	No display
• Read the Disc	Cd rEAD XX(XX: Program counter)
• Erased the Flash memory	FLASH ERA
• Written the Flash memory	FLASH XX(XX: Program counter)
• Verified the Flash memory	FLASH XX(XX: Program counter)
• Completed the upgrade	FINISHED

Note: After completed, plug the Power cord out and in again, and then press the Open key, then the Disc will be ejected.

Caution: While CD detecting and reading, if Open key or Power is pressed Then download procedure will be aborted.

3. DVD player with CD-RW option (for models using NS MPEG chip, marking on the IC is PANTERA)

3-1) Make the DVD program upgrade Disc as following procedure

*Recommended S/W: adaptec Easy CD Creater
*use file format: ISO9660

- Format the CD-RW Disc as below.
  Make the Folder name to "lg_dvd₩UPGRADE₩lg" under root folder
  (₩lg_dvd_firmware₩upgrade₩lg)
- Download the source file in the folder
  (Ex, If the source file is "lg_a3_korea.bin, "lg_dvd₩firmware₩upgrade₩lg₩lg_a3_korea.bin")

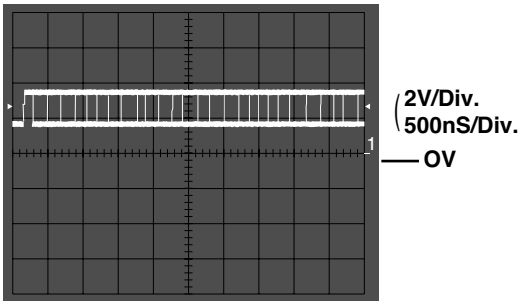
3-2) UPgrade the firmware for DVD player as followings

ACTION	FLD display on dvd player
• Insert the upgraded Disc into the DVD player solt then starts the detecting	Press Up
• Press the UP key on the Remote controller then starts the reading	READ 0(If error is occurred, displayed retry counter)
- Starts the upgrading	UPGRADE 0(If error is occurred, displayed retry counter)
- Completed the upgrading	FINISHED → checksum
- Opened the Tray Disc	("FINISHED → checksum" is displayed repeatedly at 2 second intervals)
• Plug the Power Cord out	

Note: In the status of FLD with "READ 0" or "UPGRADE 0"
If an error is occured, the read counter, "READ 0", shows retry counter or "ERROR num"
If the num has 0~2, retry the firmware upgrade procedure.
If the error is continued after retrying 5 times, replace the Flash ROM IC.

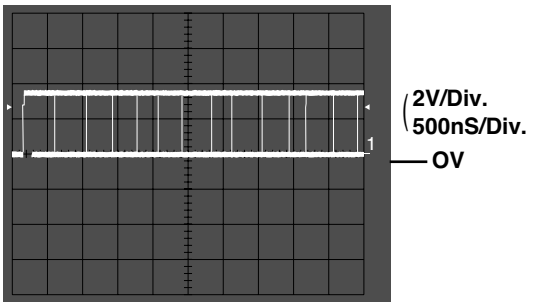
WAVEFORMS OF MAJOR CHECK POINT

1)



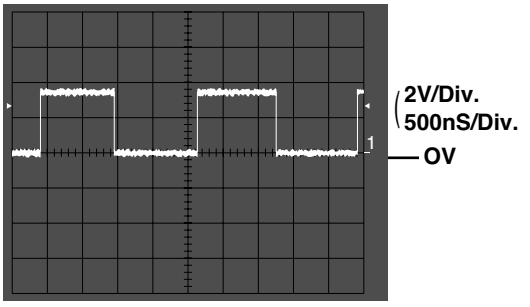
- IC 208 pin ⑤
- Serial data clock waveform during normal play.

2)



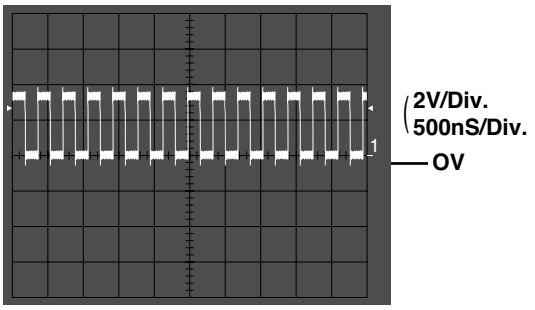
- IC 208 pin ⑦
- Serial data output wavefrom during normal play.

3)



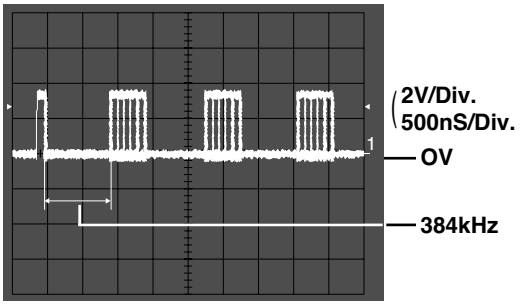
- IC 201 pin ㊷
- L/R clock data input wavefrom during normal operation.

4)



- IC 201 pin ㊸
- Bit clock data input waveform during normal operation.

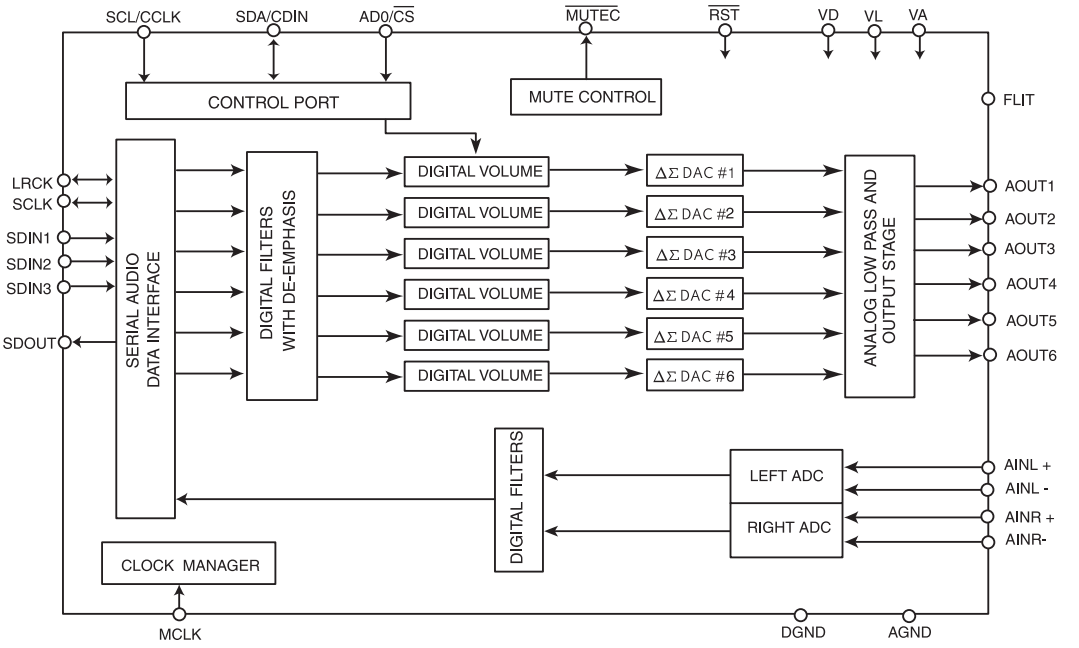
5)



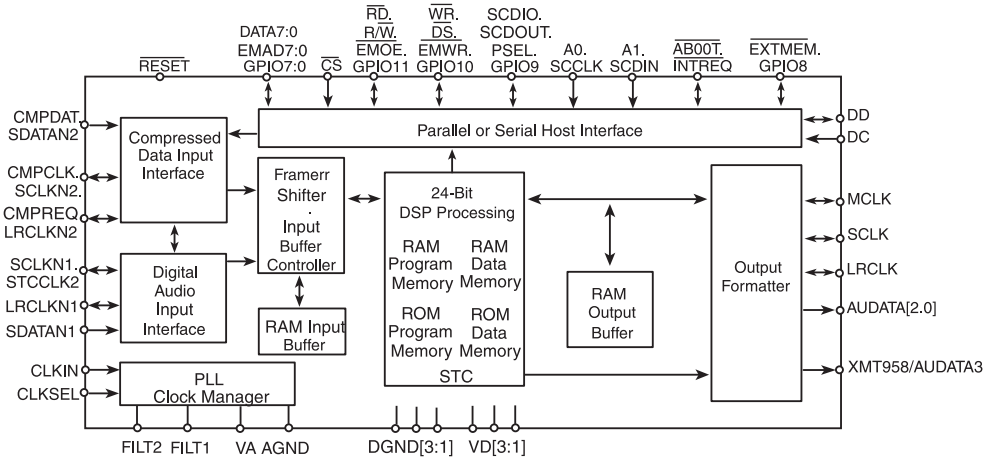
- IC 301 pin ㊸ , ㊹ , ㊻ , ㊼ , ㊿ , (61) , (63) , (64) , (67) , (68) , (70) , (71) .
- PWM data output wavefrom during normal operation.

INTERNAL BLOCK DIAGRAM OF ICs

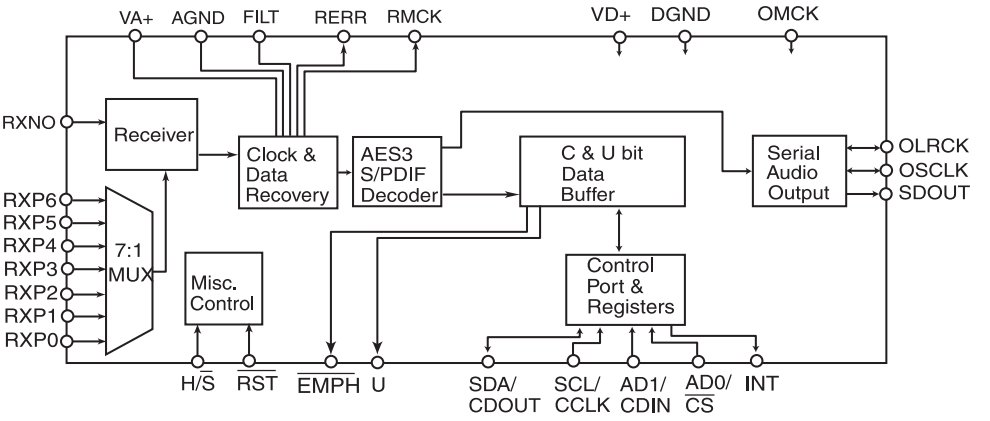
■ CS4228



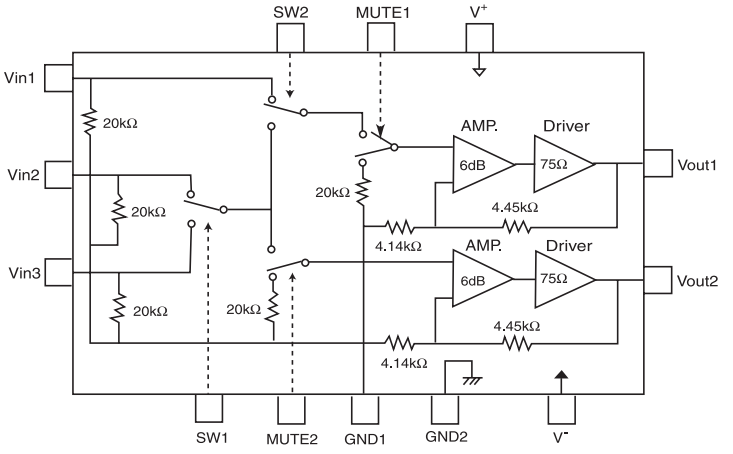
■ CS49300



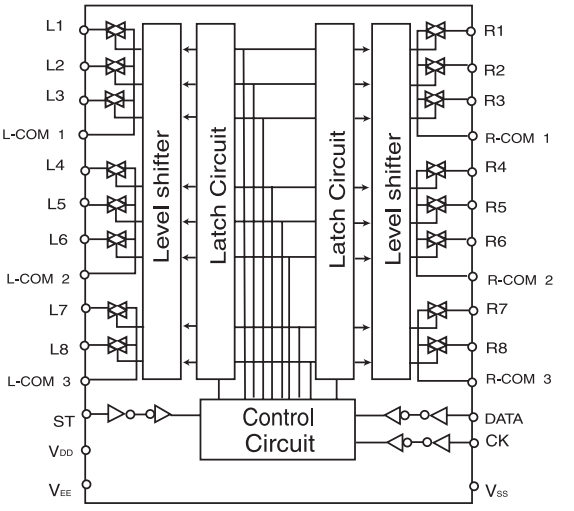
■ CS8415A



■ NJM2279



■ NJU7312A



IC VOLTAGE SHEET

■ STA505 (IC710, IC730, IC750, IC770)

PIN No.	Volt(V)
1	
2	
3	
4	32
5	
6	
7	32
8	
9	
10	
11	
12	32
13	
14	
15	32
16	
17	
18	
19	
20	
21	
22	
23	3.3
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	
36	

■ NJM 2279 (IC102)

PIN No.	Volt(V)
1	0
2	2
3	0
4	5
5	1.3
6	0
7	0
8	5
9	0
10	1.3
11	0
12	1.4
13	5
14	-5

■ CS8415 (IC206)

PIN No.	Volt(V)	PIN No.	Volt(V)
1	2.8	15	0
2	2.9	16	1.6
3	3.2	17	1.6
4	2.8	18	0
5	2.8	19	3
6	5	20	0
7	0	21	0
8	2.2	22	3
9	1.6	23	0
10	1.6	24	0
11	0	25	0
12	0	26	3
13	0	27	0
14	0	28	

■ PS9702B (IC301)

PIN No.	Volt(V)	PIN No.	Volt(V)	PIN No.	Volt(V)	PIN No.	Volt(V)
1	0	26	0	51	3.21	76	2.92
2	0	27	0	52	0	77	3.21
3	3.21	28	0	53	1.6	78	0
4	4.78	29	0	54	1.6	79	3.28
5		30		55	0	80	0
6	2.95	31	0	56	1.6	81	3.21
7	1.67	32	3.21	57	1.6	82	3.21
8	0	33	0	58	3.21	83	0
9	0	34	0	59	0	84	3.21
10	0	35	0	60	1.6	85	0
11	0	36	0	61	1.6	86	1.67
12	0	37	0	62	0	87	0
13	0	38	1.62	63	1.6	88	0
14	0	39	0	64	1.6	89	0
15	3.21	40	3.21	65	3.21	90	3.21
16	0	41	0	66	0	91	0
17	0	42	0	67	1.6	92	4.77
18	0	43	0	68	1.6	93	0
19	0	44	0	69	0	94	0
20	0	45	0	70	1.6	95	0
21	0	46	3.21	71	1.6	96	0
22	1.6	47	0	72	3.21	97	0
23	1.64	48	0	73	0	98	0
24	3.21	49	0	74	0	99	3.21
25	0	50	0	75	0	100	0

■ LC87F67
(IC101)

PIN No.	Volt(V)	PIN No.	Volt(V)	PIN No.	Volt(V)	PIN No.	Volt(V)
1	0	26	2.45	51	-1	76	-3.25
2	0	27	1.02	52	-1	77	-3.25
3	0	28	1.63	53	0	78	-3.25
4	0	29	4.96	54	-17.71	79	-3.25
5	5.19	30	-1	55	-1	80	4.97
6	0	31	-1	56	-1	81	1.27
7	0	32	-1	57	-1	82	2
8	0	33	-1	58	-1	83	4.98
9	3.23	34	-1	59	-14.91	84	4.98
10	1.21	35	-1	60	1.31	85	4.79
11	4.9	36	-1	61	-3.23	86	1.83
12	0	37	-1	62	-3.23	87	0
13	4.85	38	-1	63	-3.23	88	4.79
14	0	39	-1	64	-3.23	89	0
15	2.4	40	-1	65	4.99	90	4.86
16	2.52	41	-1	66	4.93	91	4.86
17	4.98	42	-1	67	4.93	92	4.33
18	0	43	-1	68	0	93	4.99
19	0	44	-14.91	69	4.97	94	4.99
20	0	45	-1	70	4.97	95	4.86
21	3.58	46	5.4	71	0	96	4.79
22	3.59	47	-1	72	5.08	97	4.79
23	3.59	48	-1	73	0	98	0
24	3.59	49	-1	74	-3.94	99	1.79
25	0.9	50	-1	75	0	100	3.19

■ NJU7312AM(IC501)

PIN No.	Volt(V)	PIN No.	Volt(V)
1	-12	16	0
2	0	17	0
3	0	18	0
4	0	19	0
5	0	20	0
6	0	21	0
7	0	22	0
8	0	23	0
9	0	24	0
10	0	25	0
11	0	26	0
12	0	27	0
13		28	0
14		29	0
15		30	12

■ CS49326(IC201)

PIN No.	Volt(V)	PIN No.	Volt(V)
1	2..4	23	2.5
2	0	24	
3	0	25	1.6
4	0	26	1.6
5		27	1
6	2.9	28	1.6
7	0	29	1.6
8	2.4	30	1
9	2.4	31	0
10	2.4	32	2
11	2.4	33	1.3
12	2.5	34	2.5
13	0	35	0
14	2.4	36	3.2
15	2.4	37	2.5
16	2.4	38	2.5
17	2.4	39	0
18	3.2	40	0
19	1.7	41	0
20	2.4	42	1.6
21	2.4	43	1.6
22	0	44	1.6

■ CS4228 (IC205)

PIN No.	Volt(V)	PIN No.	Volt(V)
1	0	16	2.5
2	0	17	2.2
3	0	18	3.5
4	1.5	19	2.2
5	1.5	20	2.2
6	1.5	21	5
7		22	
8	3.2	23	2.3
9	2.5	24	2.3
10	1.6	25	2.3
11	0	26	2.3
12	2.9	27	2.3
13	3.2	28	2.3
14	3.2	29	2.3

■ IC910

PIN No.	Volt(V)
1	
2	
3	-12

■ IC921

PIN No.	Volt(V)
1	
2	12
3	

■ PN901, CN901

PIN No.	Volt(V)
1	-30
2	-25
3	-37
4	-37
5	-37
6	5.1
7	
8	
9	
10	

■ PN902, CN902

PIN No.	Volt(V)
1	27.6
2	27.6
3	27.6
4	16.9
5	5.8
6	5.8
7	0
8	
9	
10	5.8

■ IC911

PIN No.	Volt(V)
1	
2	
3	-5

■ IC922

PIN No.	Volt(V)
1	
2	8.1
3	

■ IC926

PIN No.	Volt(V)
1	
2	3.3
3	

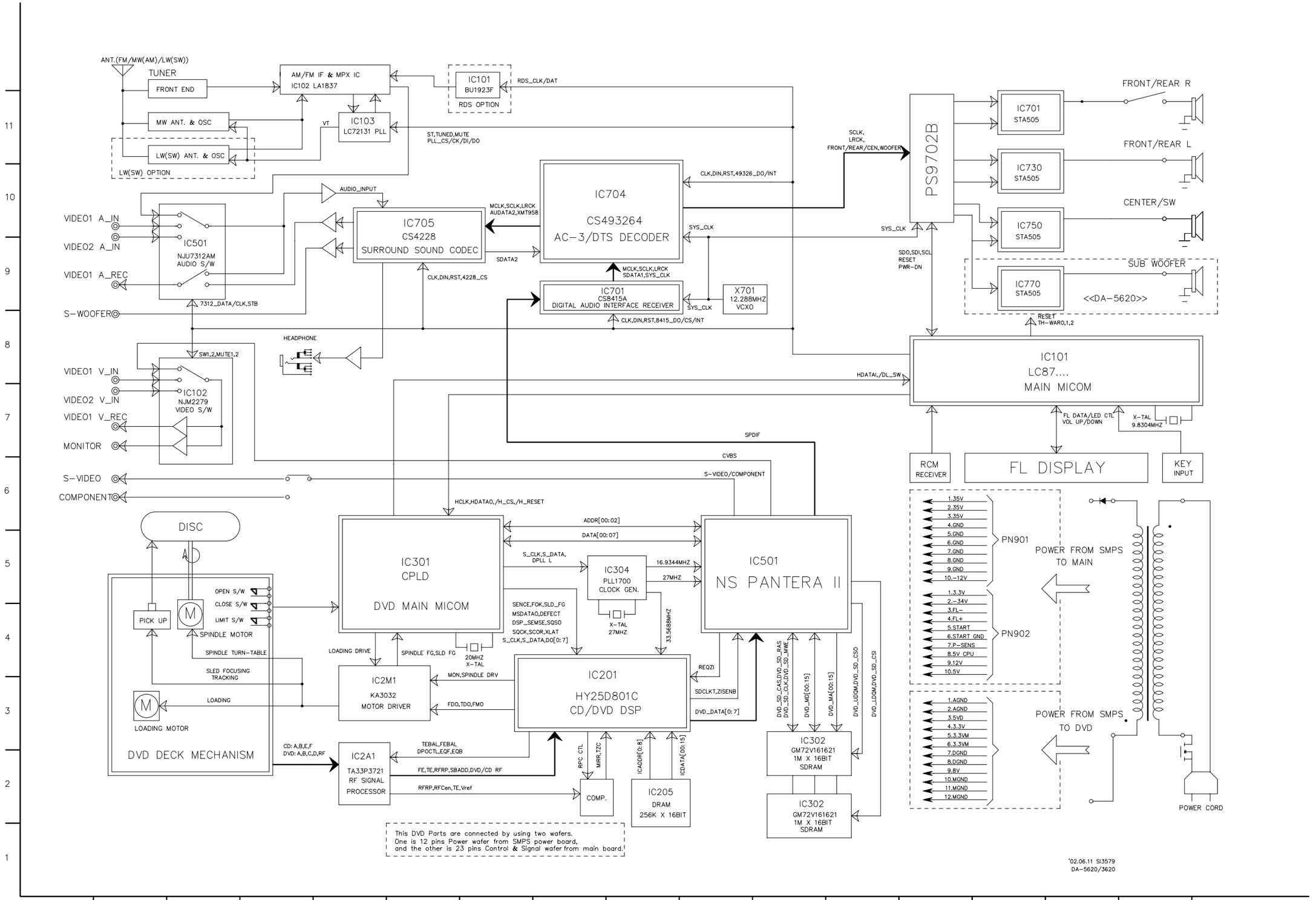
■ IC923

PIN No.	Volt(V)
1	
2	5
3	

■ IC924

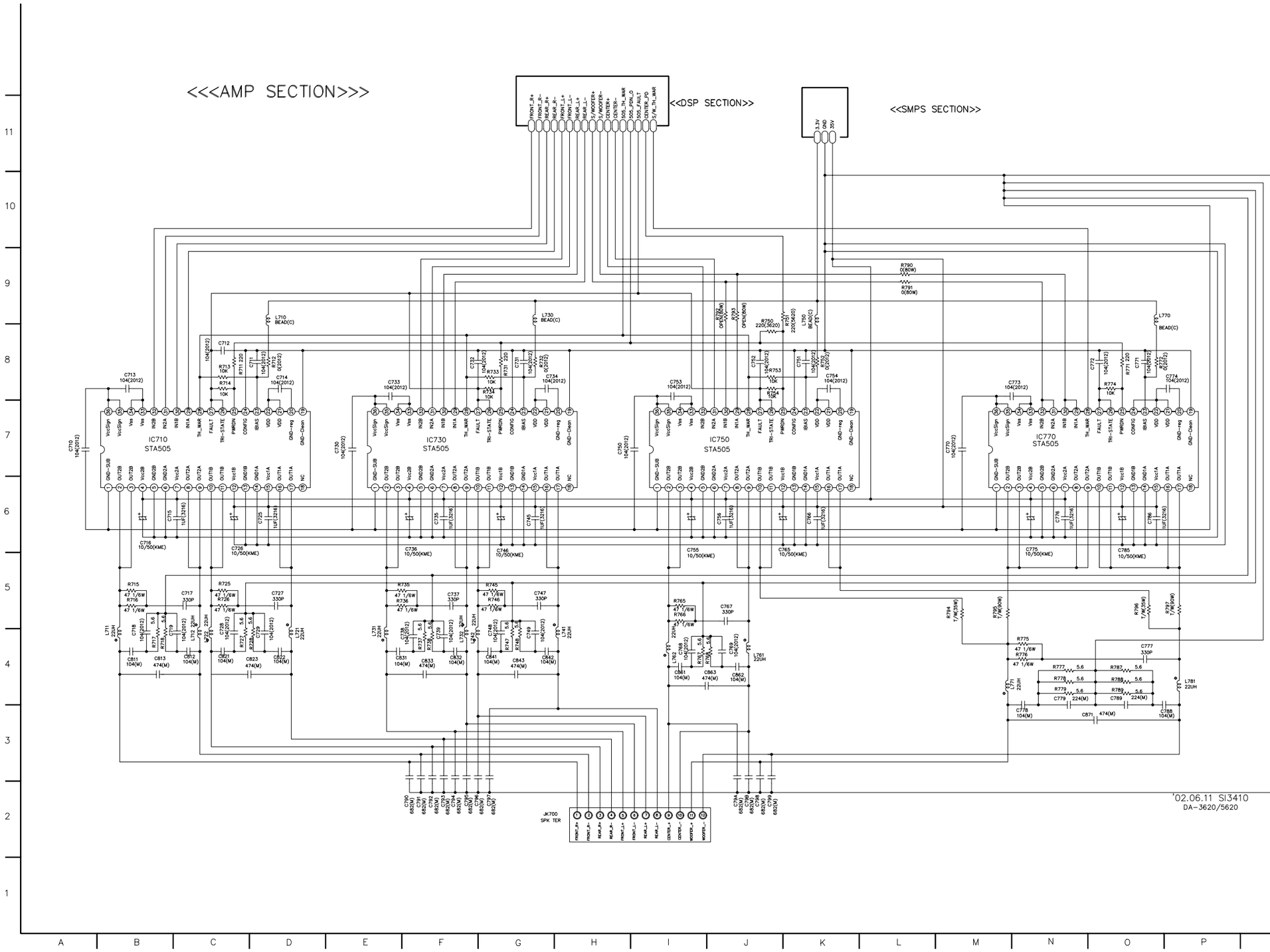
PIN No.	Volt(V)
1	
2	3.3
3	

BLOCK DIAGRAM



SHEMATIC DIAGRAMS

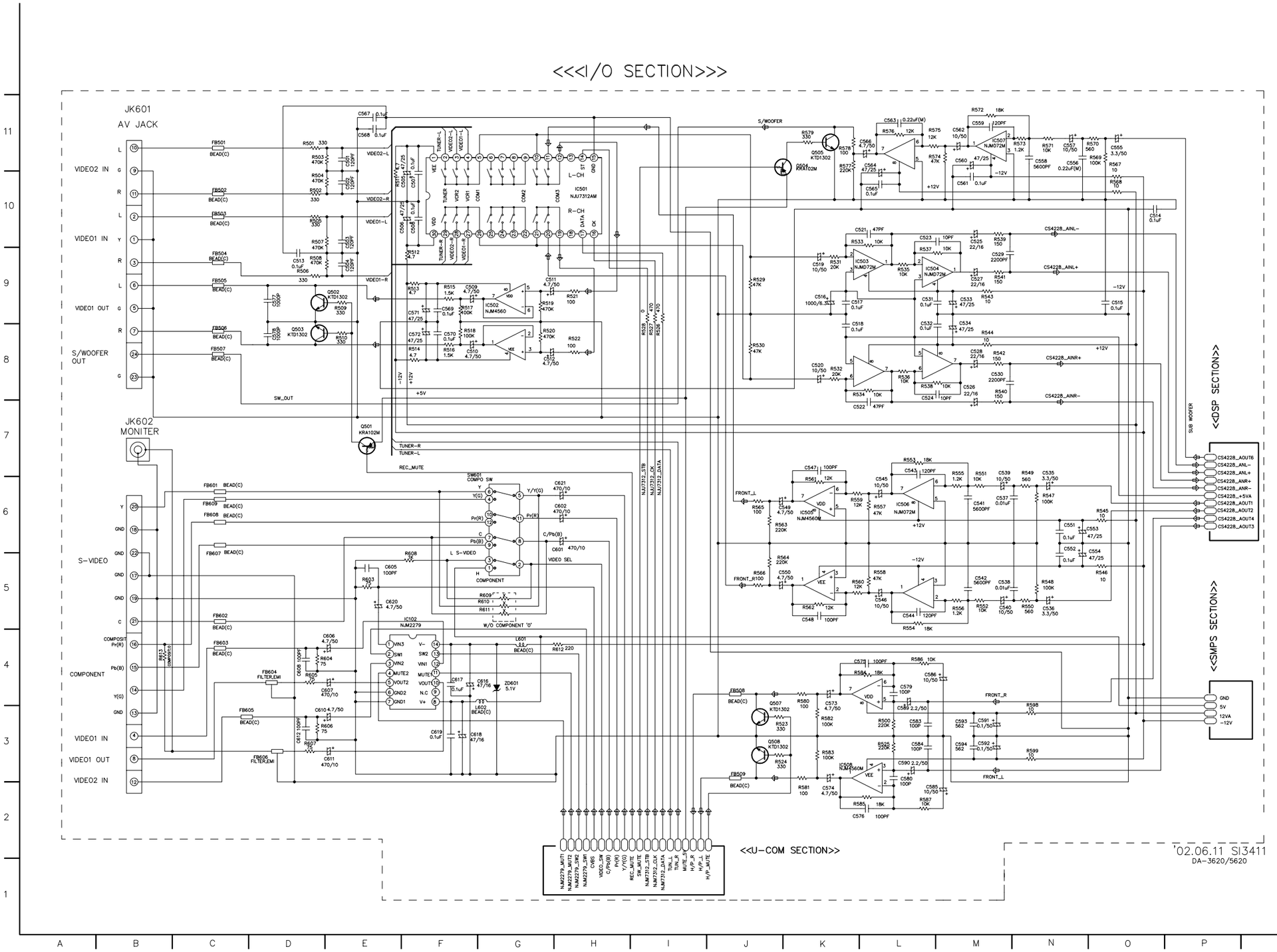
• AMP SCHEMATIC DIAGRAM



LOCATION GUIDE

C710	A7	C842	G4
C711	D8	C843	G4
C712	C8	C861	I4
C713	B8	C862	J4
C714	D8	C863	I4
C715	B6	C871	N3
C716	B6	GND	K11
C717	C5	IC710	B7
C718	B4	IC730	F7
C719	B4	IC750	J7
C725	D6	IC770	N7
C726	C6	JK700	G2
C727	D5	L710	D9
C728	C4	L711	B4
C729	D4	L712	C4
C730	E7	L721	D4
C731	G8	L722	C4
C732	F8	L730	G9
C733	E8	L731	E4
C734	G8	L732	F4
C735	F6	L741	H4
C736	F6	L742	F4
C737	F5	L750	K8
C738	F4	L761	J4
C739	F4	L762	I4
C745	G6	L770	O9
C746	G6	L771	N4
C747	G5	L781	P4
C748	G4	R711	C8
C749	G4	R712	D8
C750	H7	R713	C8
C751	K8	R714	D8
C752	J8	R715	B5
C753	I8	R716	B5
C754	K8	R717	B4
C755	I6	R718	B4
C756	J6	R725	C5
C765	J6	R726	C5
C766	K6	R727	C4
C767	J5	R728	D4
C768	I4	R731	G8
C769	J4	R732	G8
C770	M7	R733	G8
C771	O8	R734	G8
C772	O8	R735	E5
C773	M8	R736	E5
C774	P8	R737	F4
C775	N6	R738	F4
C776	N6	R745	G5
C777	O4	R746	G5
C778	N3	R747	G4
C779	N4	R748	G4
C785	O6	R750	J9
C786	O6	R751	K8
C788	O3	R752	K8
C789	O4	R753	J8
C790	F2	R754	J8
C791	F2	R765	I5
C792	F2	R766	I5
C793	F2	R767	I4
C794	F2	R768	J4
C795	F2	R771	O8
C796	G2	R772	O8
C797	G2	R774	O8
C798	J2	R775	N4
C799	J2	R776	N4
C79A	J2	R777	N4
C79B	J2	R778	N4
C811	B4	R779	N4
C812	C4	R787	O4
C813	B4	R788	O4
C821	C4	R789	O4
C822	D4	R790	L9
C823	C4	R791	L9
C831	E4	R792	J9
C832	F4	R793	J9
C833	F4	R794	M5
C841	G4	R795	M5
C841	G4	R796	O5
R797	P5		

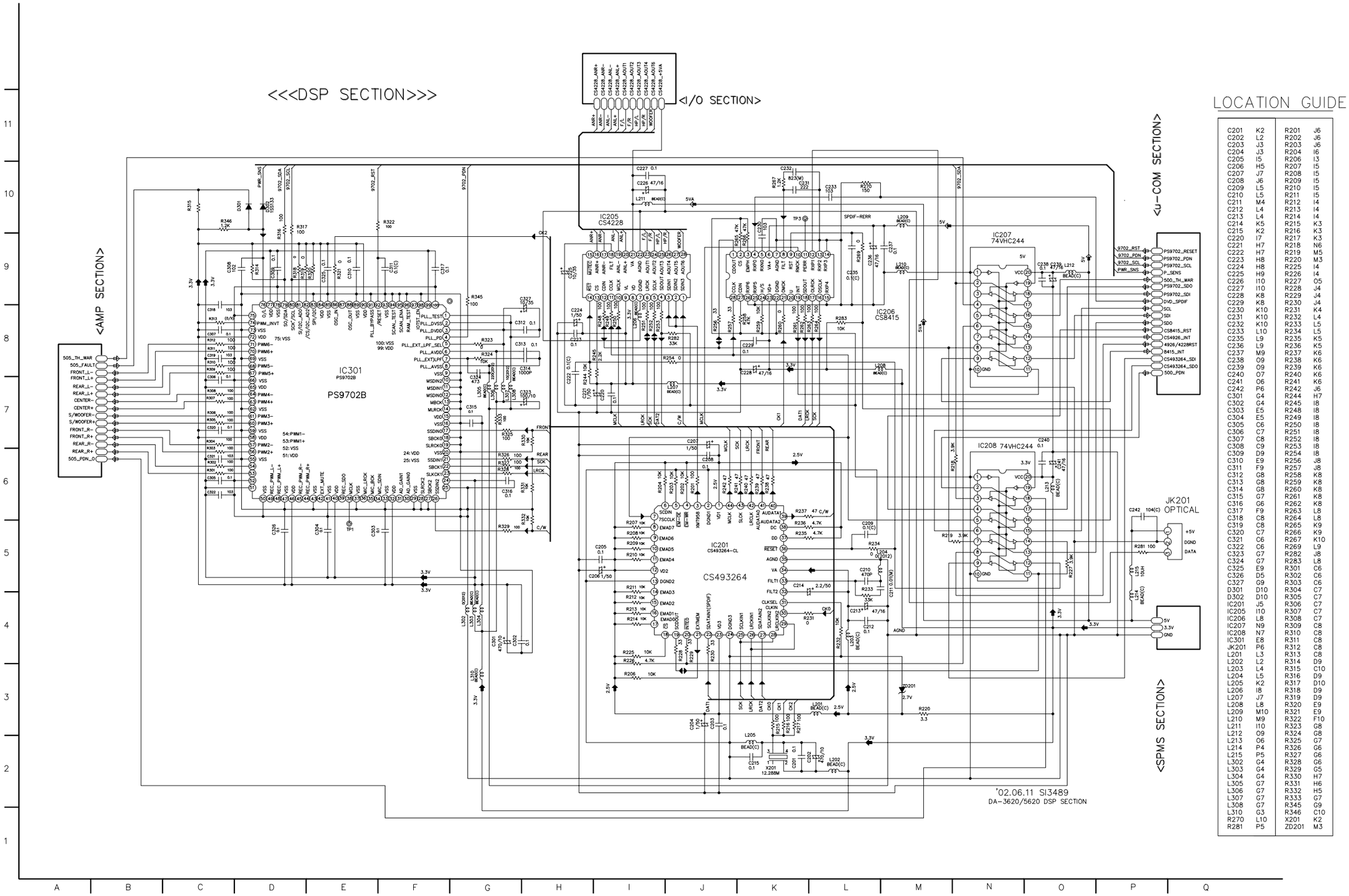
• I/O SCHEMATIC DIAGRAM



LOCATION GUIDE

C501	E11	FB502	C10	R570	O11
C502	E10	FB503	C10	R571	N11
C503	E9	FB504	C9	R572	M11
C504	E9	FB505	C9	R573	N11
C505	F10	FB506	C8	R574	L11
C506	F10	FB507	C8	R575	L11
C507	F10	FB508	J4	R576	L11
C508	F10	FB509	J3	R577	K11
C509	F9	FB601	C6	R578	K11
C510	F8	FB602	C5	R579	K11
C511	G9	FB603	C4	R580	K4
C512	G8	FB604	D4	R581	K2
C513	D9	FB605	C3	R582	K3
C514	O10	FB606	D3	R583	K3
C515	O9	FB607	C5	R584	K4
C516	K9	FB608	C6	R585	K2
C517	K9	FB609	E5	R586	L4
C518	K8	IC501	H10	R587	L2
C519	K9	IC502	G9	R598	N3
C520	K8	IC503	L9	R599	N3
C521	L10	IC504	L9	R603	E5
C522	K7	IC505	K6	R604	D4
C523	L10	IC506	L6	R605	D4
C524	L8	IC507	M11	R606	E3
C525	M10	IC508	K3	R607	D3
C526	M8	JK601	B11	R608	F5
C527	M9	JK602	B7	R609	G5
C528	M8	L601	G4	R610	G5
C529	M9	L602	G3	R611	G5
C530	M8	Q501	E7	R612	H4
C531	L9	Q502	E9	R613	B4
C532	L8	Q503	D8	SW601	F7
C533	M9	Q504	K11	ZD601	G4
C534	M8	Q505	K11		
C535	N7	Q507	J4		
C536	N5	Q508	J3		
C537	M6	R500	L3		
C538	M5	R501	D11		
C539	M7	R502	D10		
C540	M5	R503	D11		
C541	M6	R504	D10		
C542	M5	R505	D10		
C543	L7	R506	D9		
C544	L5	R507	D10		
C545	L6	R508	D9		
C546	L5	R509	E9		
C547	K7	R510	E8		
C548	K5	R511	F10		
C549	K6	R512	F9		
C550	K5	R513	F9		
C551	N6	R514	F8		
C552	N6	R515	F9		
C553	O6	R516	F8		
C554	O6	R517	F9		
C555	O11	R518	F8		
C556	N11	R519	G9		
C557	N11	R520	G8		
C558	N11	R521	H9		
C559	M11	R522	H8		
C560	M11	R523	J3		
C561	M10	R524	J3		
C562	M11	R525	L3		
C563	L11	R526	I8		
C564	L11	R527	I8		
C565	L10	R528	I8		
C566	L11	R529	J9		
C567	E11	R530	J8		
C568	E11	R531	K9		
C569	F9	R532	K8		
C570	F8	R533	K10		
C571	F9	R534	K8		
C572	F8	R535	L9		
C573	K4	R536	L8		
C574	K2	R537	L9		
C575	K4	R538	L8		
C576	K2	R539	M10		
C577	D9	R540	M8		
C578	D8	R541	M9		
C579	L4	R542	M8		
C580	L3	R543	M9		
C583	L3	R544	M8		
C584	L3	R545	O6		
C585	L2	R546	O5		
C586	L4	R547	N6		
C589	L3	R548	N5		
C590	L3	R549	N7		
C591	M3	R550	N5		
C592	M3	R551	M7		
C593	M3	R552	M5		
C594	M3	R553	L7		
C601	H6	R554	L4		
C602	H6	R555	M7		
C605	E5	R556	M5		
C606	E4	R557	L6		
C607	E4	R558	L5		
C608	D4	R559	K6		
C610	D3	R560	K5		
C611	E3	R561	K6		
C612	D3	R562	K5		
C616	G4	R563	J6		
C617	F4	R564	J5		
C618	F3	R565	J6		
C619	F3	R566	J5		
C620	E5	R567	O11		
C621	H6	R568	O10		
FB501	C11	R569	O11		

• DSP(DIGITAL AUDIO PROCESSING) SCHEMATIC DIAGRAM



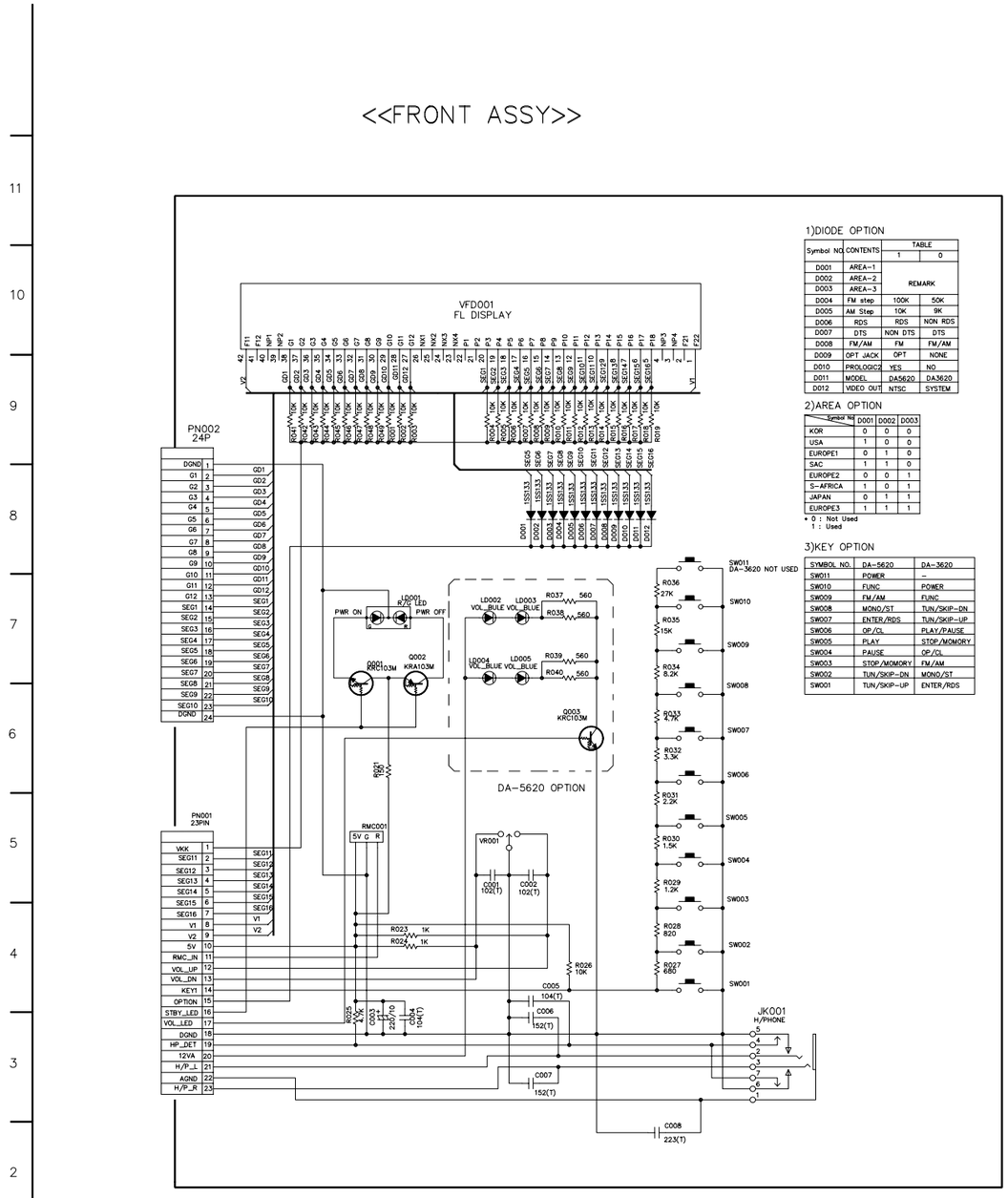
LOCATION GUIDE

C201	K2	R201	J6
C202	L2	R202	J6
C203	J3	R203	J6
C204	J3	R204	I6
C205	I5	R206	I3
C206	H5	R207	I5
C207	J7	R208	I5
C208	J6	R209	I5
C209	L5	R210	I5
C210	L5	R211	I5
C211	M4	R212	I4
C212	L4	R213	I4
C213	L4	R214	I4
C214	K5	R215	K3
C215	K2	R216	K3
C220	I7	R217	K3
C221	H7	R218	N6
C222	H7	R219	M5
C223	H8	R220	M3
C224	H8	R225	I4
C225	H9	R226	I4
C226	I10	R227	O5
C227	I10	R228	J4
C228	K8	R229	J4
C229	K8	R230	J4
C230	K10	R231	K4
C231	K10	R232	L4
C232	K10	R233	L5
C233	L10	R234	L5
C235	L9	R235	K5
C236	L9	R236	K5
C237	M9	R237	K6
C238	O9	R238	K6
C239	O9	R239	K6
C240	O7	R240	K6
C241	O6	R241	K6
C242	P6	R242	J6
C301	G4	R244	H7
C302	G4	R245	I8
C303	E5	R248	I8
C304	E5	R249	I8
C305	C6	R250	I8
C306	C7	R251	I8
C307	C8	R252	I8
C308	C9	R253	I8
C309	D9	R254	I8
C310	E9	R256	J8
C311	F9	R257	J8
C312	G8	R258	K8
C313	G8	R259	K8
C314	G8	R260	K8
C315	G7	R261	K8
C316	G6	R262	K8
C317	F9	R263	L8
C318	C8	R264	L8
C319	C8	R265	K9
C320	C7	R266	K9
C321	C6	R267	K10
C322	C6	R269	L9
C323	G7	R282	J8
C324	G7	R283	L8
C325	E9	R301	C6
C326	D5	R302	C6
C327	G9	R303	C6
D301	D10	R304	C7
D302	D10	R305	C7
IC201	J5	R306	C7
IC205	I10	R307	C7
IC206	L8	R308	C7
IC207	N9	R309	C8
IC208	N7	R310	C8
IC301	E8	R311	C8
JK201	P6	R312	C8
L201	L3	R313	C8
L202	L2	R314	D9
L203	L4	R315	C10
L204	L5	R316	D9
L205	K2	R317	D10
L206	I8	R318	D9
L207	J7	R319	D9
L208	L8	R320	E9
L209	M10	R321	E9
L210	M9	R322	F10
L211	I10	R323	G8
L212	O9	R324	G8
L213	O6	R325	G7
L214	P4	R326	G6
L215	P5	R327	G6
L302	G4	R328	G6
L303	G4	R329	G5
L304	G4	R330	H7
L305	G7	R331	H6
L306	G7	R332	H5
L307	G7	R333	G7
L308	G7	R345	G9
L310	G3	R346	C10
R270	L10	X201	K2
R281	P5	ZD201	M3

• FRONT & POWER SCHEMATIC DIAGRAM

NOTE: Warning

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

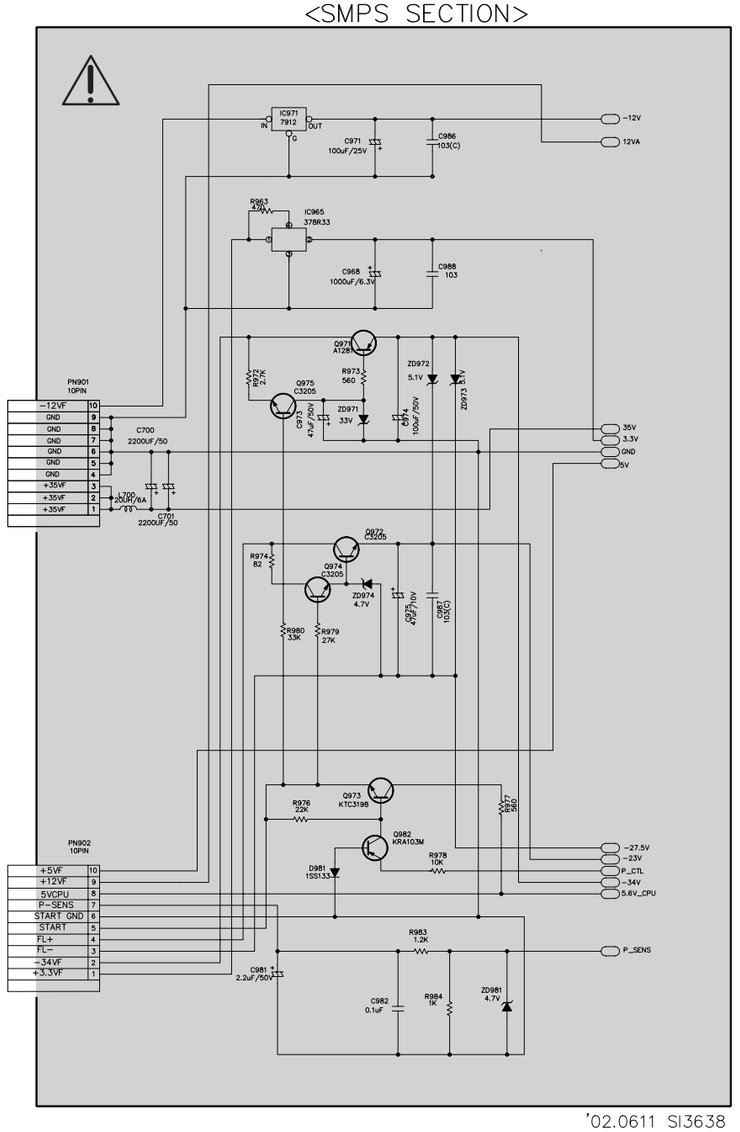


Symbol No.	CONTENTS	TABLE 1	TABLE 0
D001	AREA-1	REMARK	
D002	AREA-2		
D003	AREA-3		
D004	FM step	100K	50K
D005	AM Step	10K	9K
D006	RDS	RDS	NON RDS
D007	DTS	NON DTS	DTS
D008	FM/AM	FM	FM/AM
D009	OPT JACK	OPT	NONE
D010	PROLOGIC2	YES	NO
D011	MODEL	DA5620	DA3620
D012	VIDEO OUT	NTSC	SYSTEM

Symbol No.	D001	D002	D003
KOR	0	0	0
USA	1	0	0
EUROPE1	0	1	0
SAC	1	1	0
EUROPE2	0	0	1
S-AFRICA	1	0	1
JAPAN	0	1	1
EUROPE3	1	1	1

• 0 : Not Used
1 : Used

SYMBOL NO.	DA-5620	DA-3620
SW011	POWER	–
SW010	FUNC	POWER
SW009	FM/AM	FUNC
SW008	MONO/ST	TUN/SKIP-DN
SW007	ENTER/RDS	TUN/SKIP-UP
SW006	OP/CL	PLAY/PAUSE
SW005	PLAY	STOP/MOMORY
SW004	PAUSE	OP/CL
SW003	STOP/MOMORY	FM/AM
SW002	TUN/SKIP-DN	MONO/ST
SW001	TUN/SKIP-UP	ENTER/RDS



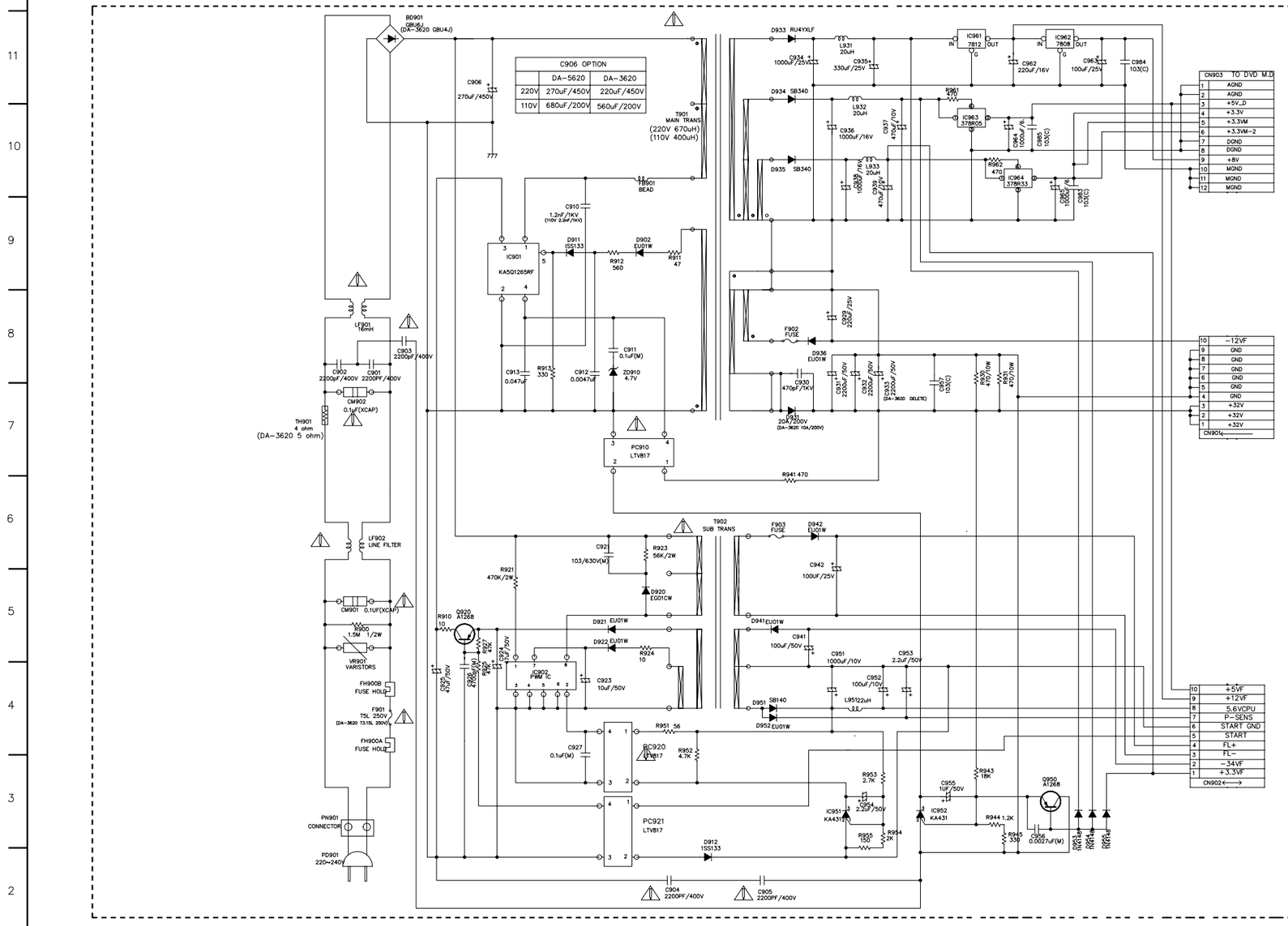
LOCATION GUIDE

C001	E5	R028	F4
C002	E5	R029	F5
C003	D3	R030	F5
C004	D3	R031	F5
C005	E4	R032	F6
C006	E3	R033	F6
C007	E3	R034	F7
C008	F2	R035	F7
C700	K8	R036	F7
C701	K7	R037	E7
C968	M9	R038	E7
C971	M10	R039	E7
C973	L8	R040	E7
C974	M8	R041	C9
C975	M6	R042	C9
C981	L3	R043	C9
C982	M3	R044	C9
C986	N10	R045	C9
C987	N6	R046	C9
C988	N9	R047	D9
D001	E8	R048	D9
D002	E8	R049	D9
D003	E8	R963	L10
D004	E8	R972	L8
D005	E8	R973	M8
D006	F8	R974	L7
D007	F8	R976	L5
D008	F8	R977	N5
D009	F8	R978	N4
D010	F8	R979	M6
D011	F8	R980	L6
D012	F8	R983	M3
D981	M4	R984	N3
GD1	C8	RMC001	D5
GD1	C9	SEG1	C7
GD10	C8	SEG1	E9
GD10	D9	SEG10	C6
GD11	C7	SEG10	F9
GD11	D9	SEG10	F8
GD12	C7	SEG11	C5
GD12	D9	SEG11	F9
GD2	C8	SEG11	F8
GD2	C9	SEG12	C5
GD3	C8	SEG12	F9
GD3	C9	SEG12	F8
GD4	C8	SEG13	C5
GD4	C9	SEG13	F9
GD5	C8	SEG13	F8
GD5	C9	SEG14	C5
GD6	C8	SEG14	F9
GD6	C9	SEG14	F8
GD7	C8	SEG15	C5
GD7	C9	SEG15	F9
GD8	C8	SEG15	F8
GD8	D9	SEG16	C4
GD9	C8	SEG16	F9
GD9	D9	SEG16	F8
GND	O8	SEG2	C7
IC965	L10	SEG2	E9
IC971	L11	SEG3	C7
JK001	C3	SEG3	E9
L700	K7	SEG4	C7
LD001	D7	SEG4	E9
LD002	E7	SEG5	C7
LD003	E7	SEG5	E9
LD004	D7	SEG5	E8
LD005	E7	SEG6	C7
PN001	B5	SEG6	E9
PN002	B9	SEG6	E8
PN901	J8	SEG7	C7
PN902	J4	SEG7	E9
P_CTL	O4	SEG7	E8
P_SENS	O3	SEG8	C7
Q001	D7	SEG8	E9
Q002	D7	SEG8	E8
Q003	E6	SEG9	C6
Q971	M9	SEG9	E9
Q972	M7	SEG9	E8
Q973	M5	SW001	G4
Q974	M7	SW002	G4
Q975	L8	SW003	G5
Q982	M4	SW004	G5
R001	D9	SW005	G5
R002	D9	SW006	G6
R003	D9	SW007	G6
R004	E9	SW008	G6
R005	E9	SW009	G7
R006	E9	SW010	G7
R007	E9	SW011	G8
R008	E9	V1	C4
R009	E9	V1	G9
R010	E9	V2	C4
R011	E9	V2	B9
R012	F9	VFD001	D10
R013	F9	VR001	E5
R014	F9	ZD971	M8
R015	F9	ZD972	M8
R016	F9	ZD973	N8
R017	F9	ZD974	M6
R018	F9	ZD981	N3
R019	F9		
R021	D6		
R023	D4		
R024	D4		
R025	C3		
R026	E4		
R027	F4		

• SMPS SCHEMATIC DIAGRAM

NOTE: Warning

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



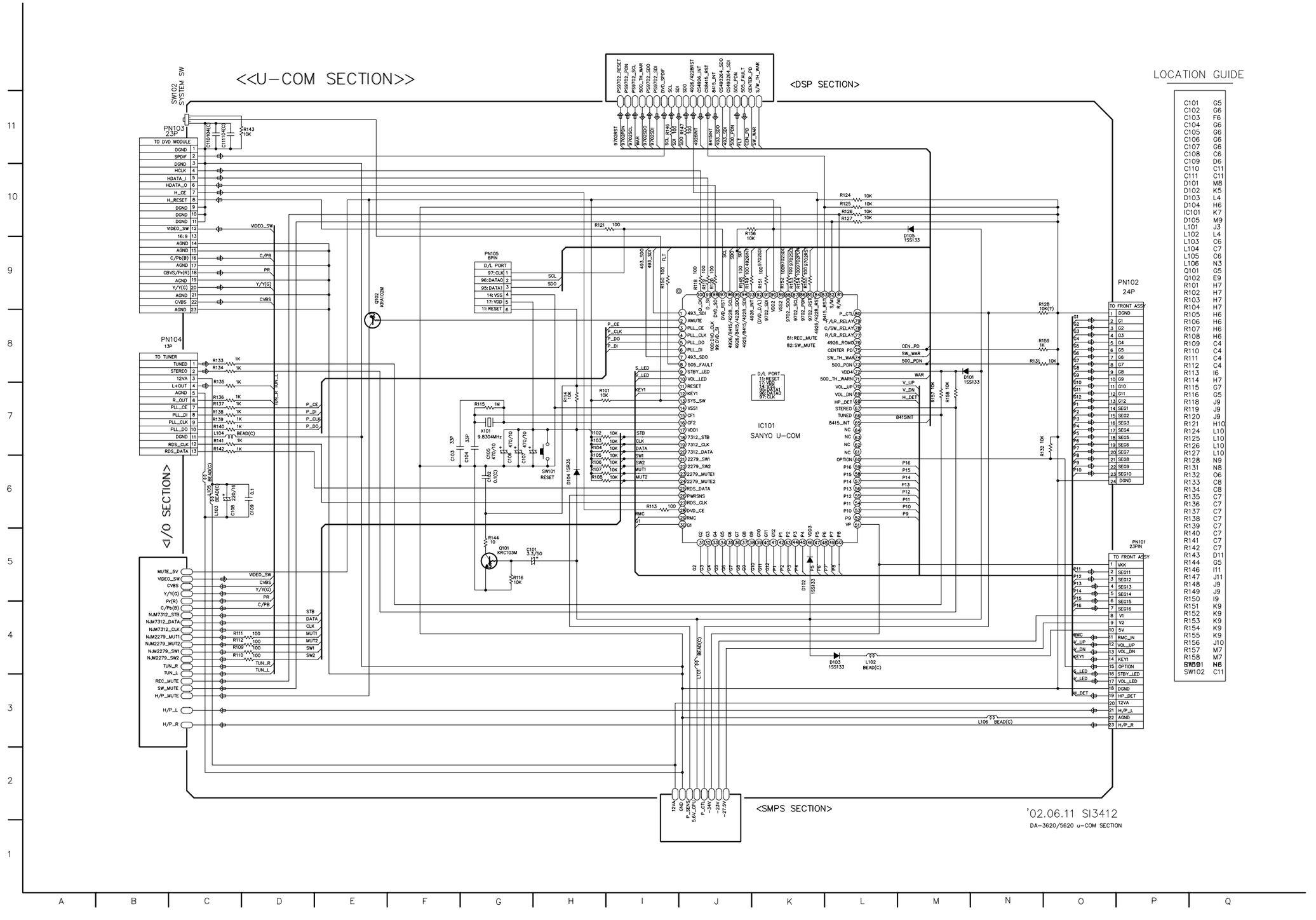
'02.06.11 SI3545

DA-5620/3620

LOCATION GUIDE

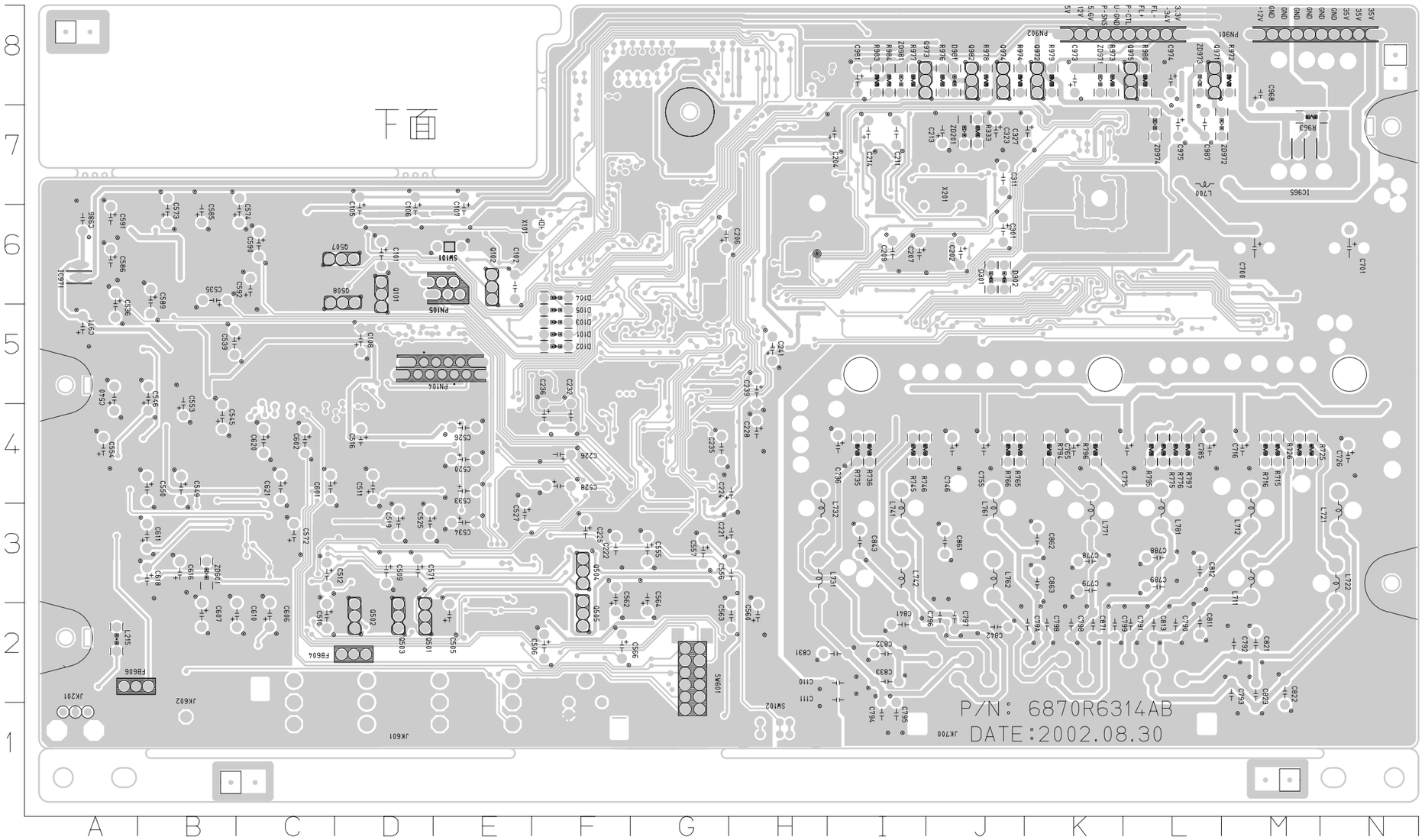
BD901	D11	D942	I6
C901	D8	D951	H4
C902	D8	D952	H4
C903	D8	D953	L2
C904	G2	D954	L2
C905	H2	D955	L2
C906	E11	F901	D4
C910	F9	F902	I8
C911	G8	F903	H6
C912	F8	FB901	G10
C913	F8	FH900A	D4
C921	G6	FH900B	D4
C923	G4	IC901	F9
C924	F5	IC902	F4
C925	E4	IC951	I3
C926	E4	IC952	J3
C927	F4	IC961	K11
C929	I8	IC962	K11
C930	I7	IC963	J10
C931	I7	IC964	K10
C932	I7	L931	I11
C933	J7	L932	I10
C934	I11	L933	I10
C935	I11	L951	I4
C936	I10	LF901	D8
C937	J10	LF902	D6
C938	I10	PC910	G7
C939	J10	PC920	G4
C941	I5	PC921	G3
C942	I6	PD901	D2
C951	I5	PN901	D3
C952	I4	Q920	E5
C953	J5	Q950	K3
C954	I3	R900	D5
C955	J3	R910	E5
C956	K3	R911	G9
C957	J7	R912	G9
C962	K11	R913	F8
C963	L11	R921	E5
C964	K10	R923	G6
C965	L9	R924	G5
C983	L9	R925	E4
C984	L11	R927	E5
C985	K10	R930	K7
CM901	D5	R931	K7
CM902	D7	R941	I6
CN901	M7	R943	K3
CN902	M3	R944	K3
CN903	M11	R945	K3
D902	G9	R951	G4
D911	F9	R952	G4
D912	H3	R953	I3
D920	G5	R954	J3
D921	F5	R955	I3
D922	F5	R961	J11
D931	I7	R962	K10
D933	H11	T901	G10
D934	H11	T902	H6
D935	H10	TH901	C7
D936	I8	VR901	D4
D941	H5	ZD910	G8

• *μ*-COM SCHEMATIC DIAGRAM



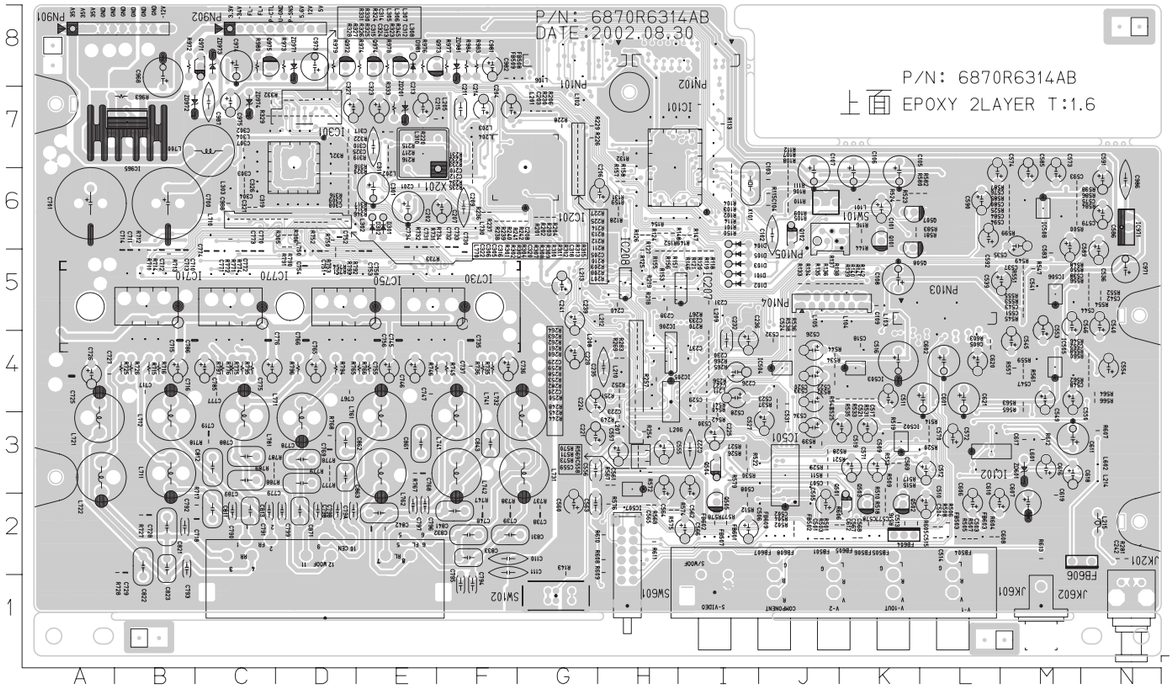
PRINTED CIRCUIT DIAGRAMS

• MAIN P.C. BOARD(SOLDER SIDE)



ICT110	E3	ICT259	D5	ICT478	G5
ICT111	E2	ICT262	D5	ICT480	G6
ICT185	E3	ICT263	D5	ICT481	G6
ICT186	D3	ICT270	F5	ICT482	M5
ICT200	G2	ICT274	F6	ICT483	M6
ICT221	F7	ICT277	G6	ICT484	J5
ICT222	F8	ICT284	D5	ICT486	G6
ICT223	F8	ICT286	D5	ICT488	J5
ICT224	F8	ICT289	G6	ICT489	K5
ICT225	F7	ICT292	G6	ICT49	L5
ICT226	F7	ICT296	G7	ICT492	F4
ICT227	F7	ICT300	F6	ICT50	L5
ICT228	F8	ICT301	F6	ICT501	G5
ICT229	F8	ICT304	H7	ICT502	F6
ICT230	F8	ICT307	F6	ICT503	G5
ICT231	F8	ICT322	G5	ICT508	M5
ICT232	F8	ICT326	G5	ICT509	M5
ICT233	F8	ICT327	H6	ICT510	I8
ICT234	G8	ICT330	I7	ICT511	D6
ICT235	G8	ICT331	I7	ICT512	H8
ICT236	G8	ICT355	K6	ICT513	C3
ICT237	G8	ICT364	J7	ICT517	F7
ICT238	G8	ICT371	G5	ICT518	F7
ICT239	G8	ICT387	K7	ICT519	F6
ICT240	G8	ICT391	K7	ICT520	K7
ICT241	G8	ICT399	H7	ICT521	H6
ICT242	G8	ICT400	H7	ICT524	G5
ICT243	G8	ICT401	G4	ICT528	J5
ICT244	G8	ICT402	G4	ICT529	M5
ICT245	G8	ICT404	K7	ICT530	L6
ICT246	G8	ICT406	K7	ICT533	K6
ICT247	G8	ICT415	H5	ICT534	L5
ICT248	H8	ICT419	G4	ICT535	H5
ICT249	F7	ICT424	F4	ICT536	G5
ICT250	G6	ICT425	D3	ICT538	F5
ICT251	H8	ICT449	G5	ICT540	G6
ICT252	H8	ICT450	G4	ICT541	E5
ICT253	G7	ICT465	N8	ICT542	E5
ICT254	H8	ICT472	H8	ICT543	A6
ICT255	H8	ICT473	L7	ICT544	C4
ICT256	H8	ICT474	G8	ICT82	C3
ICT258	D5	ICT476	H5	ICT97	H7

• MAIN P.C. BOARD(COMPONENT SIDE)



C101	K6	C306	C6	C532	J4	C589	M6	C750	E5	C871	D2	IC710	B5	ICT338	G7	ICT428	H4	ICT75	C5	L761	E3	R132	H7	R232	F7	R317	D6	R534	J4	R587	M6	R778	D3
C102	J6	C307	C7	C533	J4	C590	L6	C751	D5	C968	B8	IC730	E5	ICT339	E7	ICT429	I4	ICT76	C5	L762	E3	R133	J5	R233	F7	R318	D6	R535	K4	R598	M6	R779	D3
C103	J6	C308	D6	C534	J3	C591	N6	C752	D6	C971	N5	IC750	D5	ICT340	D7	ICT430	I4	ICT77	C5	L770	C6	R134	J5	R234	F6	R319	D7	R536	J4	R599	M6	R787	C3
C104	J6	C309	D6	C535	M6	C592	L6	C753	E5	C973	D8	IC770	C5	ICT341	D6	ICT433	I4	ICT78	C6	L771	D3	R135	J5	R235	F6	R320	D6	R537	J4	R603	L4	R788	C3
C105	K6	C310	D7	C536	N5	C593	M6	C754	D5	C974	C8	IC965	B7	ICT342	D6	ICT434	H4	ICT93	M6	L781	C3	R136	J5	R236	F6	R321	D7	R538	J4	R604	L2	R789	C3
C106	K6	C311	E7	C537	M5	C594	M6	C755	E4	C975	C7	IC971	N5	ICT343	D6	ICT436	I4	ICT94	M6	PN101	D8	R137	J5	R237	F6	R322	D7	R539	J3	R605	K2	R790	D6
C107	J6	C312	D7	C538	N5	C601	L4	C756	E4	C981	F8	IC1107	M3	ICT344	D6	ICT437	I4	JK201	N1	PN102	I8	R138	J5	R238	F6	R323	D7	R540	I3	R606	J2	R791	D6
C108	K5	C313	D7	C539	M5	C602	L4	C765	D4	C982	F8	IC1108	J2	ICT345	D6	ICT442	C7	JK601	I1	PN103	L5	R139	K5	R239	F6	R324	D7	R541	I4	R607	N3	R792	D5
C109	K5	C314	D7	C540	N5	C605	L4	C766	D4	C986	N6	IC1109	J2	ICT346	D6	ICT443	D7	JK602	M1	PN104	J5	R140	K5	R240	F6	R325	D7	R542	I3	R608	H2	R793	D5
C110	F2	C315	D7	C541	M5	C606	L2	C767	D4	C987	C7	IC1127	J4	ICT347	D6	ICT444	D7	JK700	D1	PN105	J6	R141	K5	R241	F6	R326	D7	R543	J4	R609	H2	R794	D4
C111	F2	C316	C6	C542	N5	C607	M2	C768	E3	C988	C6	IC1129	J4	ICT349	D6	ICT445	D7	L101	K6	PN901	A8	R142	K5	R242	G6	R327	D7	R544	J4	R610	H2	R795	C4
C201	E6	C317	D7	C543	M5	C608	L2	C769	D3	D101	I5	IC1132	J4	ICT350	C6	ICT446	C7	L102	G7	PN902	C8	R143	G2	R244	H3	R328	C7	R545	M5	R611	H2	R796	D4
C202	E6	C318	D6	C544	N5	C610	L2	C770	C5	D102	I5	IC1133	K4	ICT351	C6	ICT448	N2	L103	K5	Q101	K6	R144	K6	R245	H3	R329	C7	R546	N4	R612	M3	R797	C4
C203	G7	C319	C6	C545	M4	C611	M3	C771	C5	D103	I5	IC1148	M4	ICT352	C6	ICT47	D5	L104	K5	Q102	J6	R146	I5	R248	H3	R330	D7	R547	M5	R613	M2	R963	B7
C204	F7	C320	D6	C546	M5	C612	K2	C772	C5	D104	I6	IC1151	M4	ICT360	F6	ICT48	D5	L105	J5	Q501	K2	R147	I6	R249	H3	R331	D7	R548	N5	R711	B5	R972	B8
C205	G7	C321	C6	C547	M4	C616	M3	C773	C5	D105	I5	IC1153	M5	ICT361	F6	ICT491	I4	L106	G7	Q502	K2	R148	I6	R250	H4	R332	C7	R549	M5	R712	B5	R973	D8
C206	H6	C322	C6	C548	N4	C617	M3	C774	C5	D301	E6	IC1154	M5	ICT362	F7	ICT493	I3	L201	G7	Q503	K2	R149	I5	R251	H4	R333	E7	R550	N5	R713	B5	R974	E8
C207	F6	C323	E7	C549	M4	C618	M3	C775	C4	D302	E6	IC1155	M5	ICT363	F7	ICT494	I3	L202	E6	Q504	I3	R150	I6	R252	H4	R345	D7	R551	M5	R714	B5	R976	E8
C208	G6	C324	D7	C550	M4	C619	M2	C776	C4	D981	E8	IC1159	M5	ICT370	F7	ICT500	H5	L203	F7	Q505	I2	R151	H5	R253	H4	R346	D6	R552	N5	R715	B4	R977	F8
C209	F6	C325	D7	C551	M5	C620	L4	C777	C4	FB501	J2	IC1160	N5	ICT372	G7	ICT506	D6	L204	F7	Q507	K6	R152	H5	R254	H3	R500	M6	R553	M5	R716	B4	R978	E8
C210	F7	C326	C6	C552	N4	C621	L4	C778	D3	FB502	J2	IC1174	H3	ICT373	G6	ICT507	D6	L205	F7	Q508	K6	R153	H5	R256	I4	R501	J2	R554	N5	R717	C2	R979	D8
C211	F7	C327	D7	C553	M4	C700	B6	C779	D3	FB503	L2	IC1175	H3	ICT374	G6	ICT51	B5	L206	H3	Q971	C8	R154	H6	R257	H4	R502	J2	R555	M5	R718	C3	R980	C8
C212	F6	C501	J2	C554	N4	C701	A6	C785	C4	FB504	L2	IC1184	J3	ICT375	G6	ICT514	L3	L207	H3	Q972	D8	R155	H5	R258	H4	R503	J2	R556	N5	R725	B4	R983	F8
C213	E7	C502	J2	C555	H3	C710	B5	C786	B4	FB505	K2	IC1189	I3	ICT376	G7	ICT515	J6	L208	G4	Q973	F8	R156	H5	R259	H4	R504	J2	R557	M4	R726	B4	R984	F8
C214	F7	C503	L2	C556	G3	C711	B5	C788	C3	FB506	K2	IC1190	J3	ICT377	G7	ICT516	J6	L209	I5	Q974	E8	R157	H6	R260	H4	R505	L2	R558	N4	R727	B2	SW101	J6
C215	E7	C504	L2	C557	H3	C712	B5	C789	C3	FB507	I2	IC1214	J2	ICT378	G7	ICT52	C5	L210	H4	Q975	C8	R158	H6	R261	H4	R506	L2	R559	M4	R728	B2	SW102	G1
C220	H4	C505	J2	C558	H3	C713	B5	C790	C2	FB508	G8	IC1215	J2	ICT379	G7	ICT522	H5	L211	I4	Q982	E8	R159	H6	R262	H4	R507	L2	R560	N4	R731	E6	SW601	H1
C221	G3	C506	I2	C559	H3	C714	B5	C791	C2	FB509	F8	IC1261	J5	ICT380	G6	ICT523	H5	L212	G5	R101	I6	R201	G6	R263	H4	R508	L2	R561	M4	R732	E6	TP1	C6
C222	I3	C507	J3	C560	G2	C715	B4	C792	B2	FB601	I2	IC1267	K5	ICT381	G7	ICT527	D6	L213	G5	R102	I6	R202	G6	R264	H5	R509	K3	R562	N4	R733	E5	TP3	I4
C223	H4	C508	I2	C561	H3	C716	B4	C793	B2	FB602	I2	IC1268	I6	ICT382	G6	ICT53	D5	L214	N3	R103	I6	R203	G6	R265	I4	R510	K2	R563	M4	R734	F6	X101	I6
C224	G4	C509	K3	C562	I3	C717	B4	C794	F1	FB603	L2	IC1269	I6	ICT383	G6	ICT531	H6	L215	N2	R104	I7	R204	G6	R266	I4	R511	J3	R564	N4	R735	F4	X201	E7
C225	I3	C510	L2	C563	G2	C718	C2	C795	F1	FB604	K2	IC1272	I6	ICT384	G6	ICT532	D6	L302	D6	R105	J6	R206	G7	R267	I4	R512	I2	R565	M4	R736	F4	ZD201	E7
C226	I4	C511	K4	C564	H3	C719	C3	C796	E2	FB605	K2	IC1273	I6	ICT385	G7	ICT537	I5	L303	C6	R106	J6	R207	G6	R269	H4	R513	K3	R566	N4	R737	G2	ZD601	M3
C227	I4	C512	L3	C565	H2	C725	A4	C797	E2	FB606	N2	IC1275	H6	ICT386	D7	ICT54	E5	L304	C7	R107	J6	R208	G6	R270	I4	R514	L3	R567	H3	R738	F2	ZD971	D8
C228	G4	C513	K2	C566	I2	C726	A4	C798	D2	FB607	J2	IC1276	H6	ICT389	D7	ICT55	B5	L305	D7	R108	J6	R209	G6	R281	N2	R515	K3	R568	H2	R745	F4	ZD972	B7
C229	H4	C514	L2	C567	K2	C727	A4	C799	D2	FB608	J2	IC1278	H6	ICT390	D7	ICT56	B5	L306	D7	R109	J6	R210	G6	R282	H4	R516	K2	R569	H3	R746	F4	ZD973	C8
C230	I4	C515	L2	C568	K2	C728	B2	C79A	D2	FB609	J2	IC1281	J6	ICT392	D7	ICT57	B5	L307	D7	R110	J6	R211	G7	R283	H4	R517	K3	R570	H3	R747	F2	ZD974	C7
C231	I5	C516	K4	C569	K3	C729	B2	C79B	D2	IC101	H6	IC1282	J6	ICT393	D6	ICT58	B5	L308	D7	R111	J6	R212	G7	R301	C6	R518	K2	R571	H3	R748	E2	ZD981	F8
C232	I4	C517	K4	C570	L3	C730	F5	C811	C2	IC102	L3	IC1283	J7	ICT394	D6	ICT59	B5	L310	E7	R112	J7	R213	G7	R302	C6	R519	K3	R572	H3	R750	D6		
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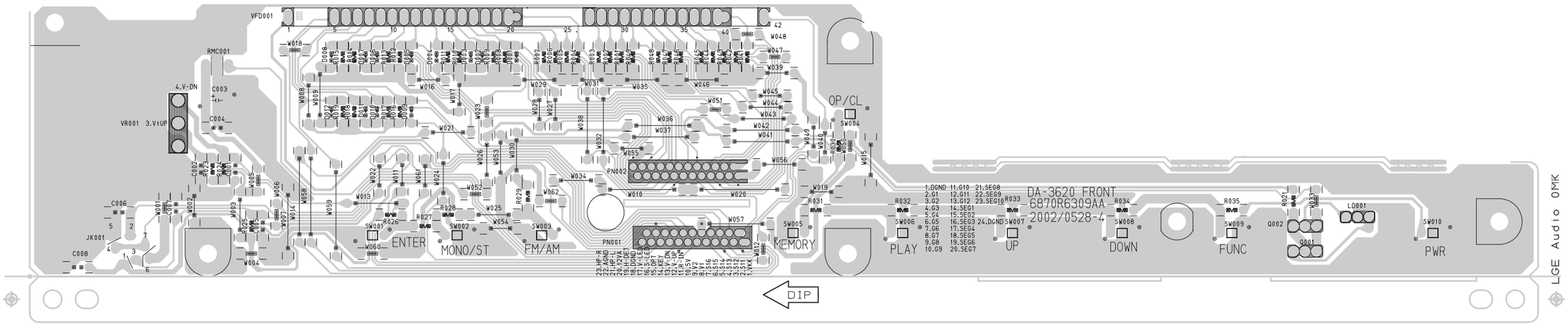
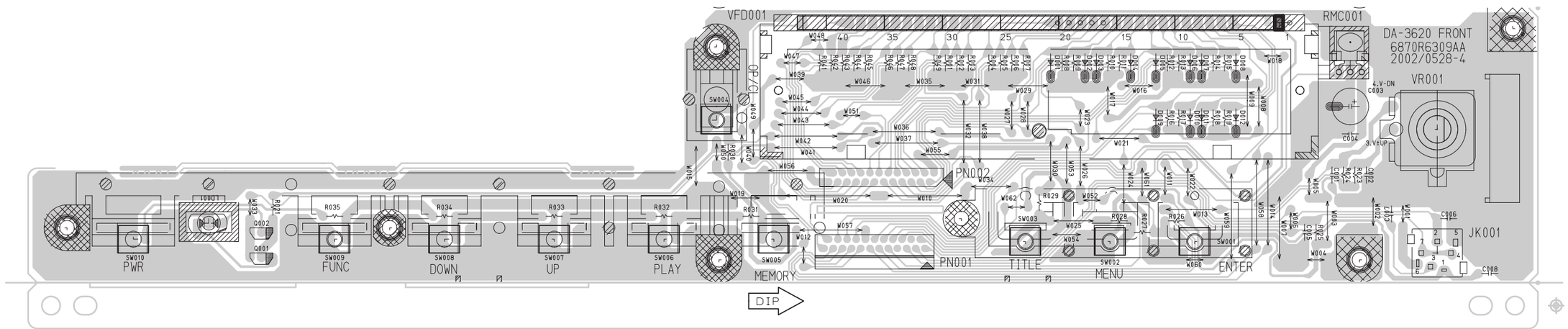
C235	H4	C519	K3	C572	L3	C732	F6	C813	C2	IC205	H4	IC1297	I7	ICT403	F6	ICT61	F5	L602	N3	R114	I6	R215	E7	R304	D6	R521	J3	R574	H2	R752	D5		
C236	I4	C520	J4	C573	M6	C733	F6	C821	B2	IC206	H4	IC1309	J6	ICT405	F6	ICT62	F5	L700	C7	R115	J6	R216	E7	R305	D6	R522	I3	R575	H2	R753	D5		
C237	I4	C521	K4	C574	L6	C734	E6	C822	B2	IC207	I5	IC1319	D6	ICT407	H4	ICT63	E5	L710	C6	R116	K6	R217	E7	R306	D6	R523	K6	R576	H2	R754	D5		
C238	H5	C522	J4	C575	M6	C735	F4	C823	B2	IC208	H5	IC1320	D6	ICT408	H4	ICT64	E5	L711	B3	R118	I5	R218	H5	R307	D6	R524	K6	R577	I2	R765	E4		
C239	G5	C523	J4	C576	M6	C736	F4	C831	F2	IC301	D6	IC1324	G6	ICT409	H4	ICT65	E5	L712	B3	R119	I5	R219	H5	R308	D6	R525	M6	R578	I2	R766	E4		
C240	H5	C524	J4	C577	K2	C737	F4	C832	F2	IC501	J3	IC1325	H4	ICT411	H5	ICT67	E5	L721	A3	R120	I5	R220	E7	R309	D6	R526	I3	R579	I3	R767	E3		
C241	G5	C525	K3	C578	K2	C738	G2	C833	F2	IC502	K3	IC1328	G7	ICT412	H5	ICT68	E5	L722	A3	R121	I5	R225	G7	R310	D6	R527	I3	R580	K6	R768	D3		
C242	N2	C526	J4	C579	M6	C739	F2	C841	F2	IC503	K4	IC1329	H5	ICT413	H4	ICT69	D5	L730	F6	R124	H6	R226	G7	R311	D6	R528	J3	R581	K6	R771	C6		
C301	E6	C527	J3	C580	M6	C745	E4	C842	E2	IC504	J4	IC1332	F6	ICT414	H4	ICT70	D5	L731	G3	R125	H5	R227	G7	R312	D6	R529	J3	R582	L6	R772	C5		
C302	C7	C528	I4	C583	M5	C746	E4	C843	F3	IC505	M4	IC1334	F6	ICT416	H3	ICT71	D5	L732	G3	R126	H6	R228	G7	R313	D6	R530	I3	R583	K6	R774	C5		
C303	C6	C529	I4	C584	M6	C747	E4	C861	E3	IC506	M5	IC1335	F6	ICT417	H4	ICT72	D5	L741	F3	R127	H6	R229	G7	R314	D6	R531	K4	R584	M6	R775	C4		
C304	C6	C530	I3	C585	M6	C748	F2	C862	D3	IC507	H5	IC1336	G6	ICT420	H4	ICT73	C5	L742	F3	R128	H6	R230	G7	R315	D6	R532	J4	R585	M6	R776	C4		
C305	C6	C531	J4	C586	N6	C749	E2	C863	D3	IC508	M6	IC1337	G6	ICT422	H3	ICT74	C5	L750	D5	R131	H6	R231	F7	R316	D6	R533	K4	R586	M6	R777	D3		

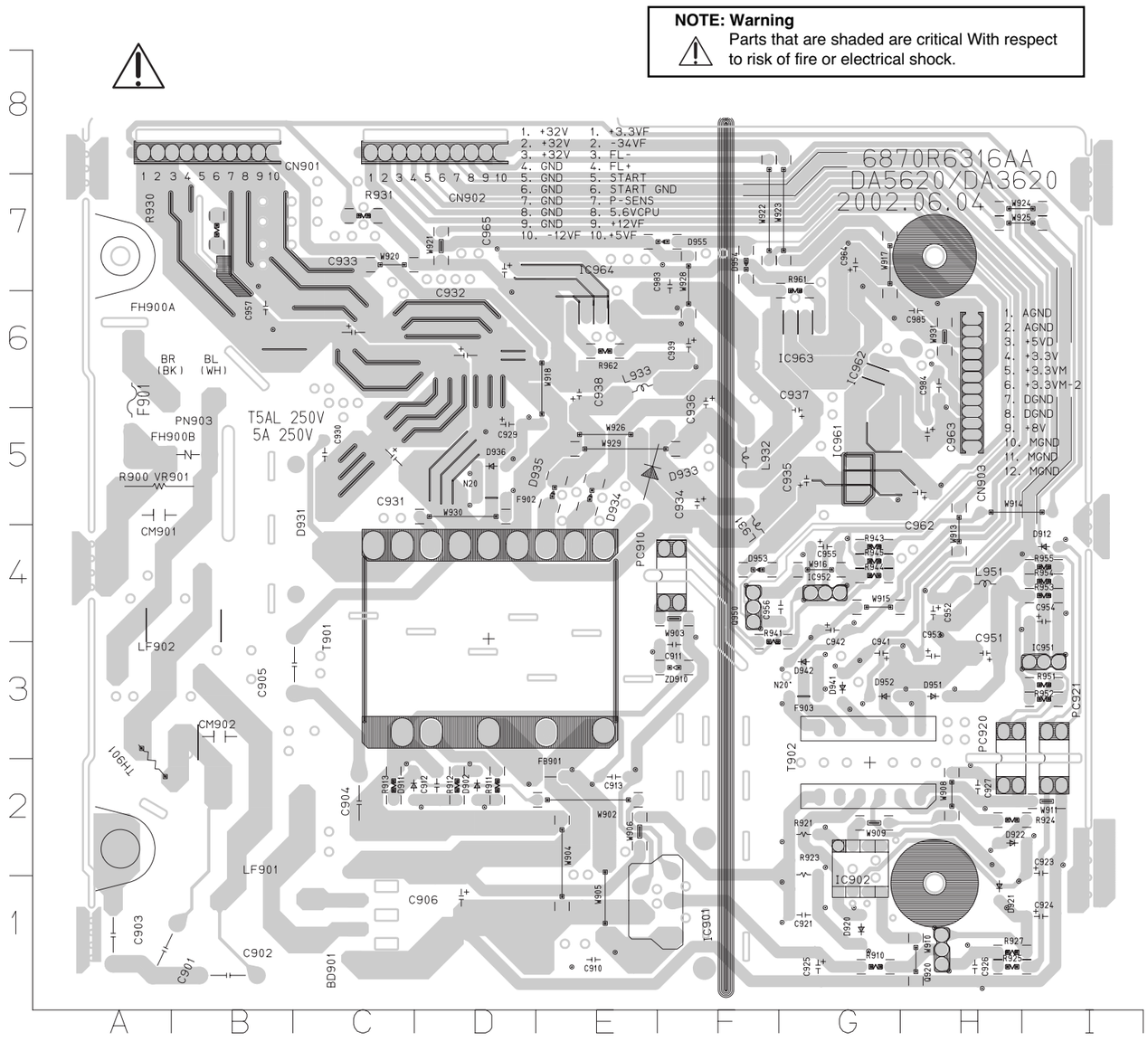
• MAIN/FRONT P.C. BOARD(SOLDER SIDE)



• MAIN/FRONT P.C. BOARD(COMPONENT SIDE)



• POWER P.C. BOARD



BD901	C1	D941	G3
C901	A1	D942	G3
C902	B1	D951	H3
C903	A1	D952	G3
C904	C2	D953	F4
C905	C3	D954	F7
C906	D1	D955	F7
C910	E1	F902	D5
C911	F3	F903	G3
C912	D2	FB901	E2
C913	E2	FH900A	A6
C921	G1	FH900B	A5
C923	I2	IC901	F1
C924	I1	IC902	G2
C925	G1	IC951	I3
C926	H1	IC952	G4
C927	H2	IC961	G5
C929	D5	IC962	G6
C930	C5	IC963	G6
C931	C5	IC964	E6
C932	D6	L931	F5
C933	C6	L932	F5
C934	F5	L933	E6
C935	G5	L951	H4
C936	F6	LF901	B2
C937	G5	LF902	A4
C938	E6	PC910	F4
C939	F6	PC920	H3
C941	G3	PC921	I3
C942	G4	PN903	B6
C951	H3	Q920	H1
C952	H4	Q950	F4
C953	H3	R900	A5
C954	I4	R910	G1
C955	G4	R911	D2
C956	G4	R912	D2
C957	B6	R913	C2
C962	H5	R921	G2
C963	H5	R923	G2
C964	G7	R924	H2
C965	D7	R925	H1
C983	F7	R927	H1
C984	H6	R930	B7
C985	H6	R931	C7
CM901	A5	R941	F3
CM902	B3	R943	G4
CN901	B8	R944	G4
CN902	D8	R945	G4
CN903	H6	R951	I3
D902	D2	R952	I3
D911	C2	R953	I4
D912	I4	R954	I4
D920	G1	R955	I4
D921	H1	R961	G6
D922	H2	R962	E6
D931	C4	T901	D4
D933	E5	T902	G2
D934	E5	TH901	A2
D935	E5	VR901	B5
D936	D5	ZD910	F3

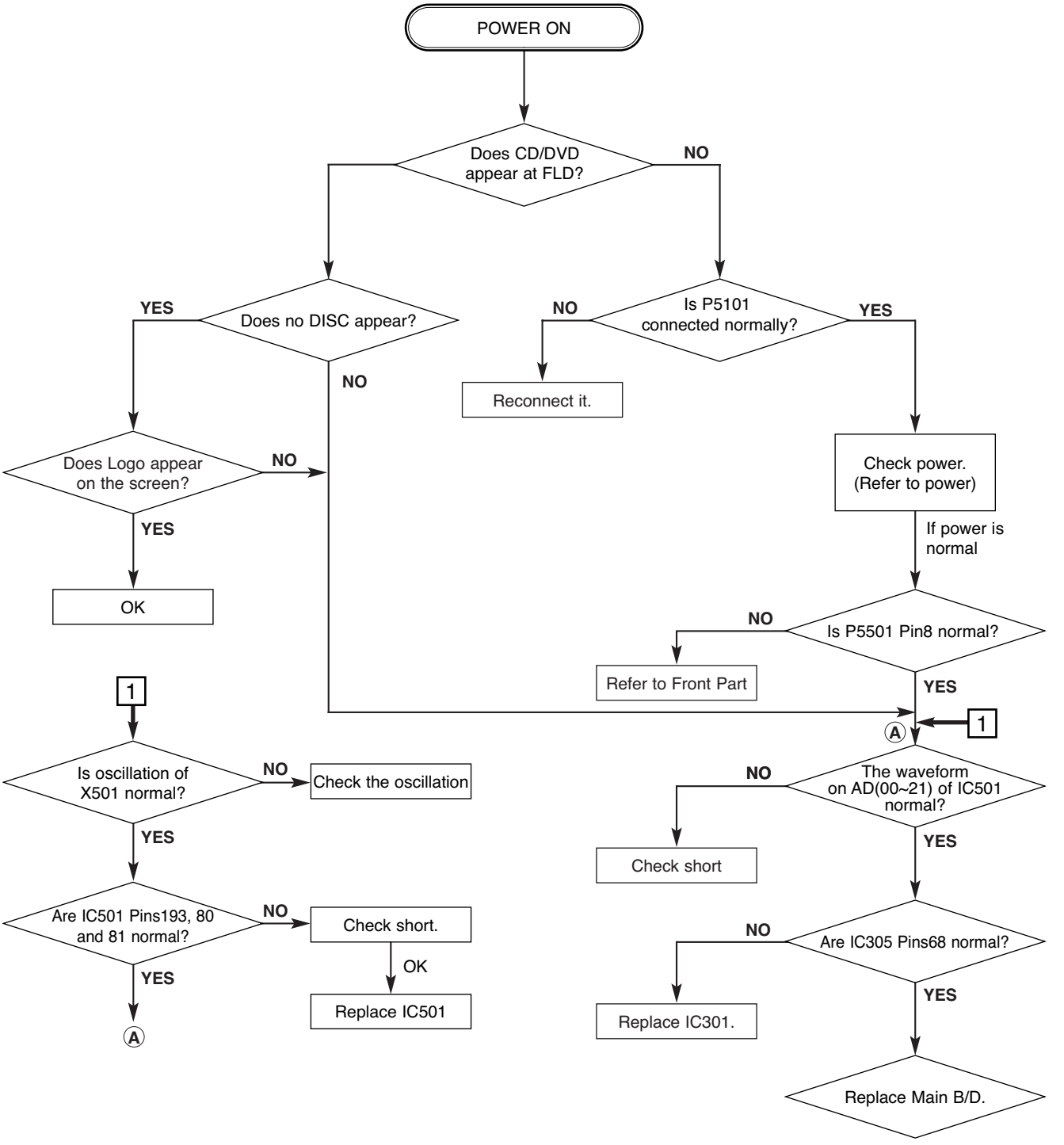
MEMO

SECTION 3. DVD PART

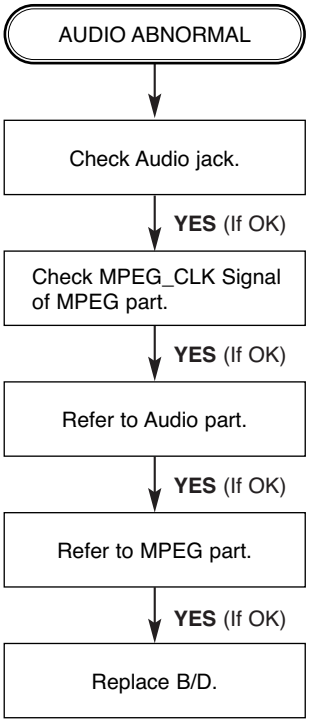
ELECTRICAL TROUBLESHOOTING GUIDE

1. μ-COM Circuit

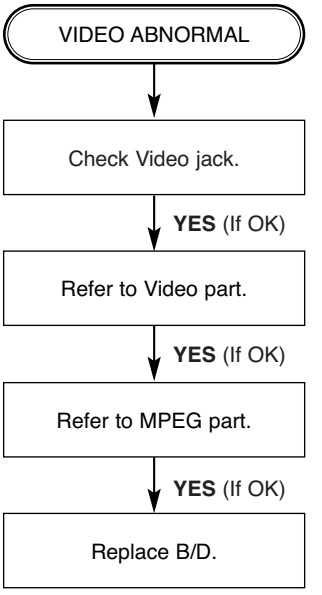
A. No Power



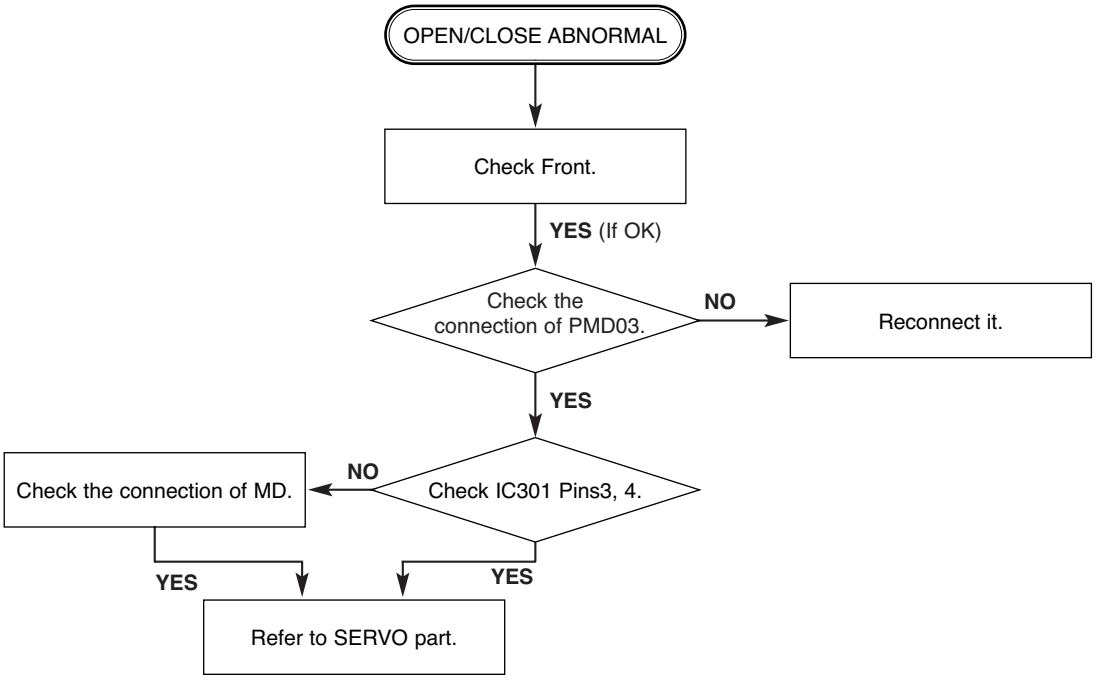
B. Audio abnoraml



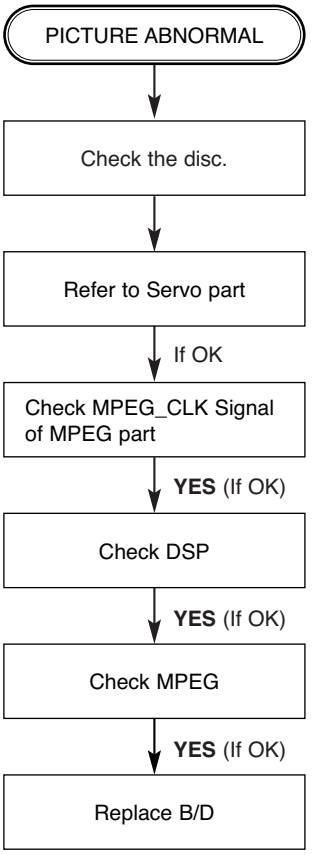
C. Video abnoraml



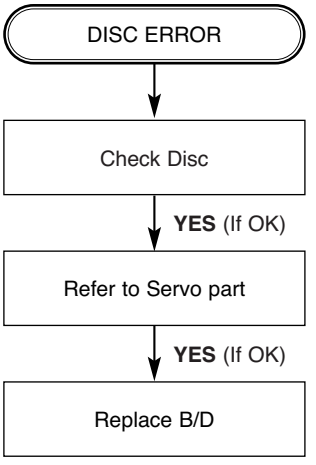
D. Open/Close abnormal



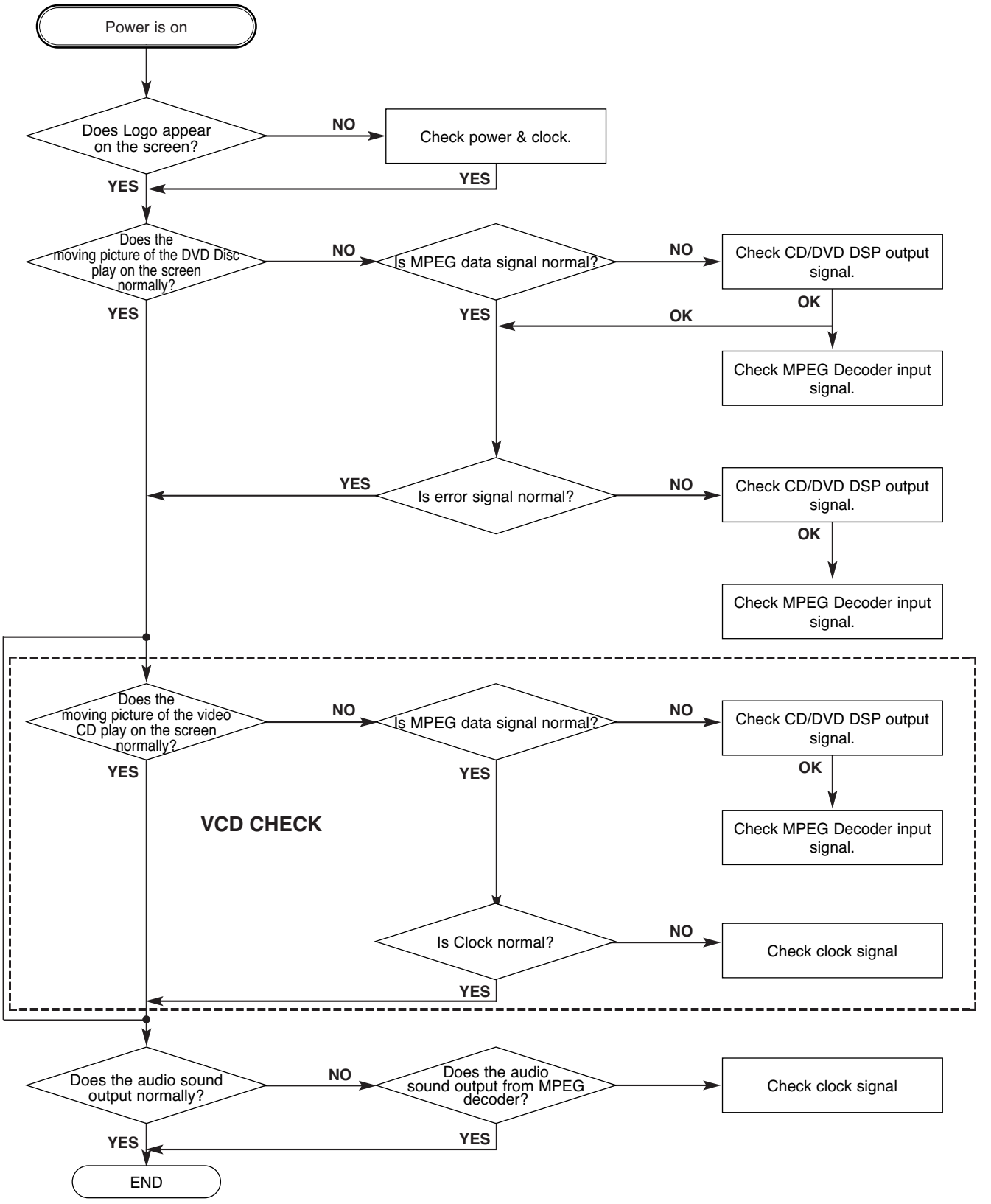
E. Picture abnoraml



F. Disc Error

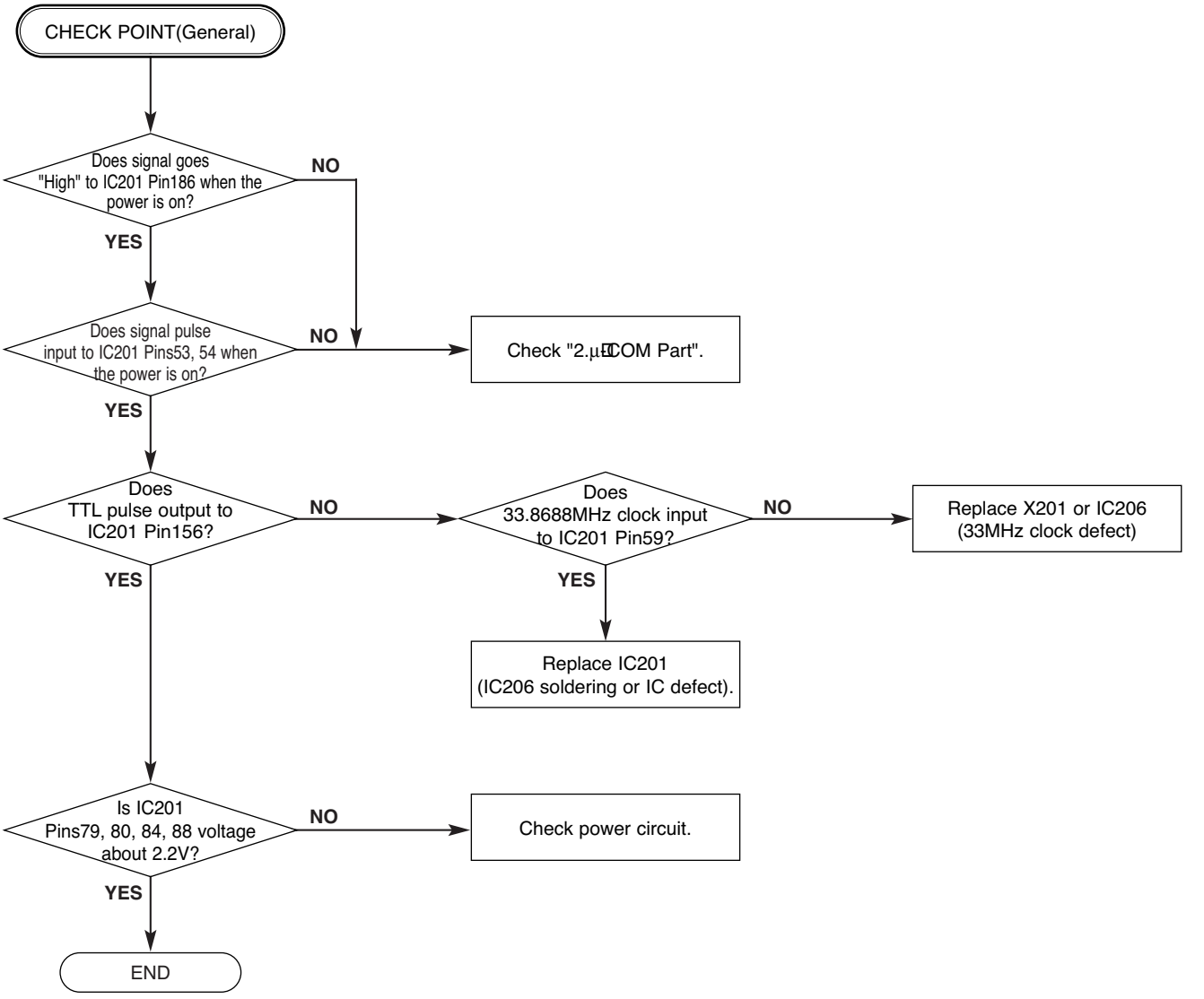


2. MPEG Circuit

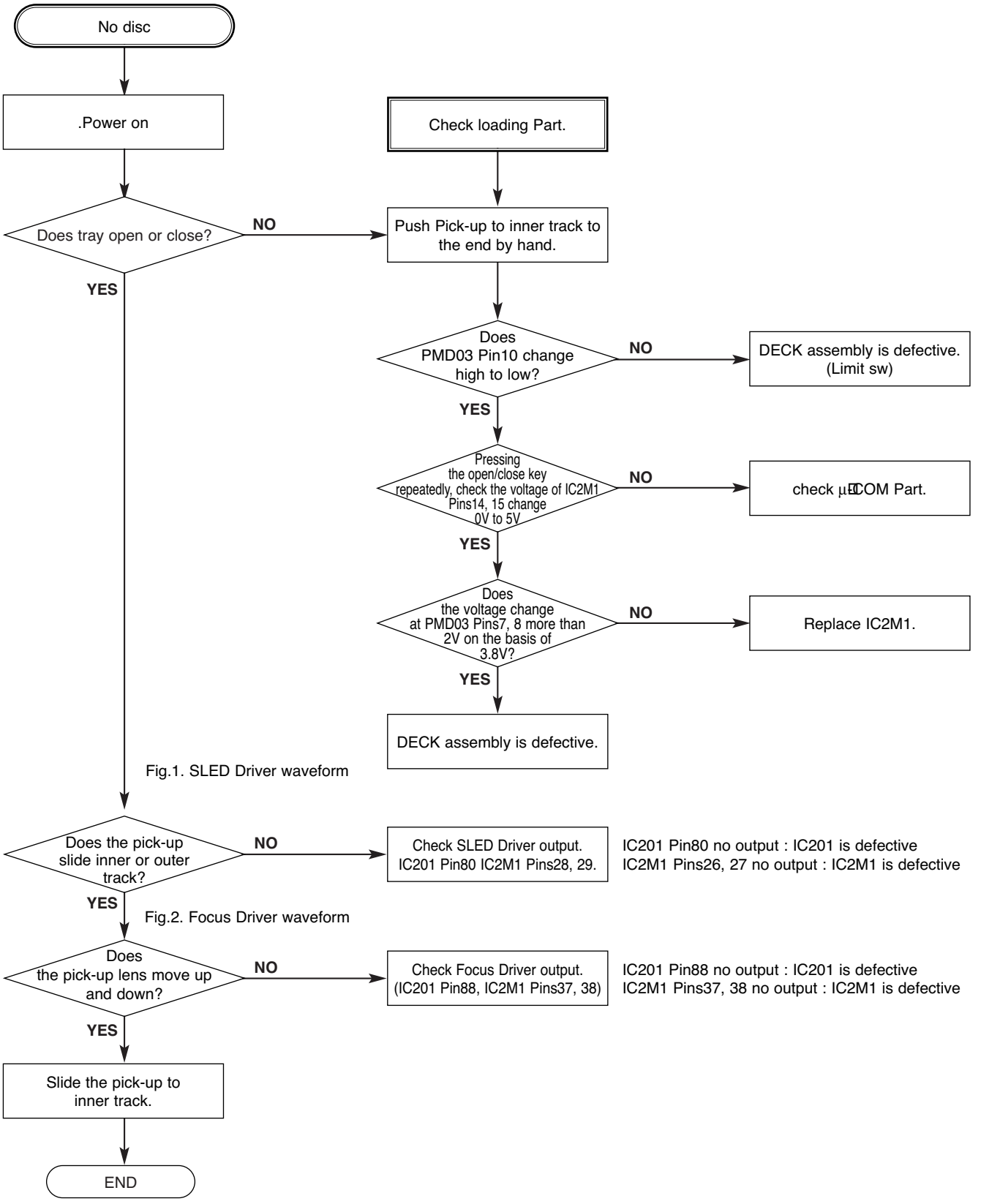


3. RF/Servo Circuit

A.



B.


No disc
.Power on
Does tray open or close?
NO
YES
Check loading Part.
Push Pick-up to inner track to the end by hand.
Does PMD03 Pin10 change high to low?
NO
DECK assembly is defective. (Limit sw)
YES
Pressing the open/close key repeatedly, check the voltage of IC2M1 Pins14, 15 change 0V to 5V
NO
check μCOM Part.
YES
Does the voltage change at PMD03 Pins7, 8 more than 2V on the basis of 3.8V?
NO
Replace IC2M1.
YES
DECK assembly is defective.
Fig.1. SLED Driver waveform
Does the pick-up slide inner or outer track?
NO
Check SLED Driver output. IC201 Pin80 IC2M1 Pins28, 29.
IC201 Pin80 no output : IC201 is defective
IC2M1 Pins26, 27 no output : IC2M1 is defective
YES
Fig.2. Focus Driver waveform
Does the pick-up lens move up and down?
NO
Check Focus Driver output. (IC201 Pin88, IC2M1 Pins37, 38)
IC201 Pin88 no output : IC201 is defective
IC2M1 Pins37, 38 no output : IC2M1 is defective
YES
Slide the pick-up to inner track.
END

C.

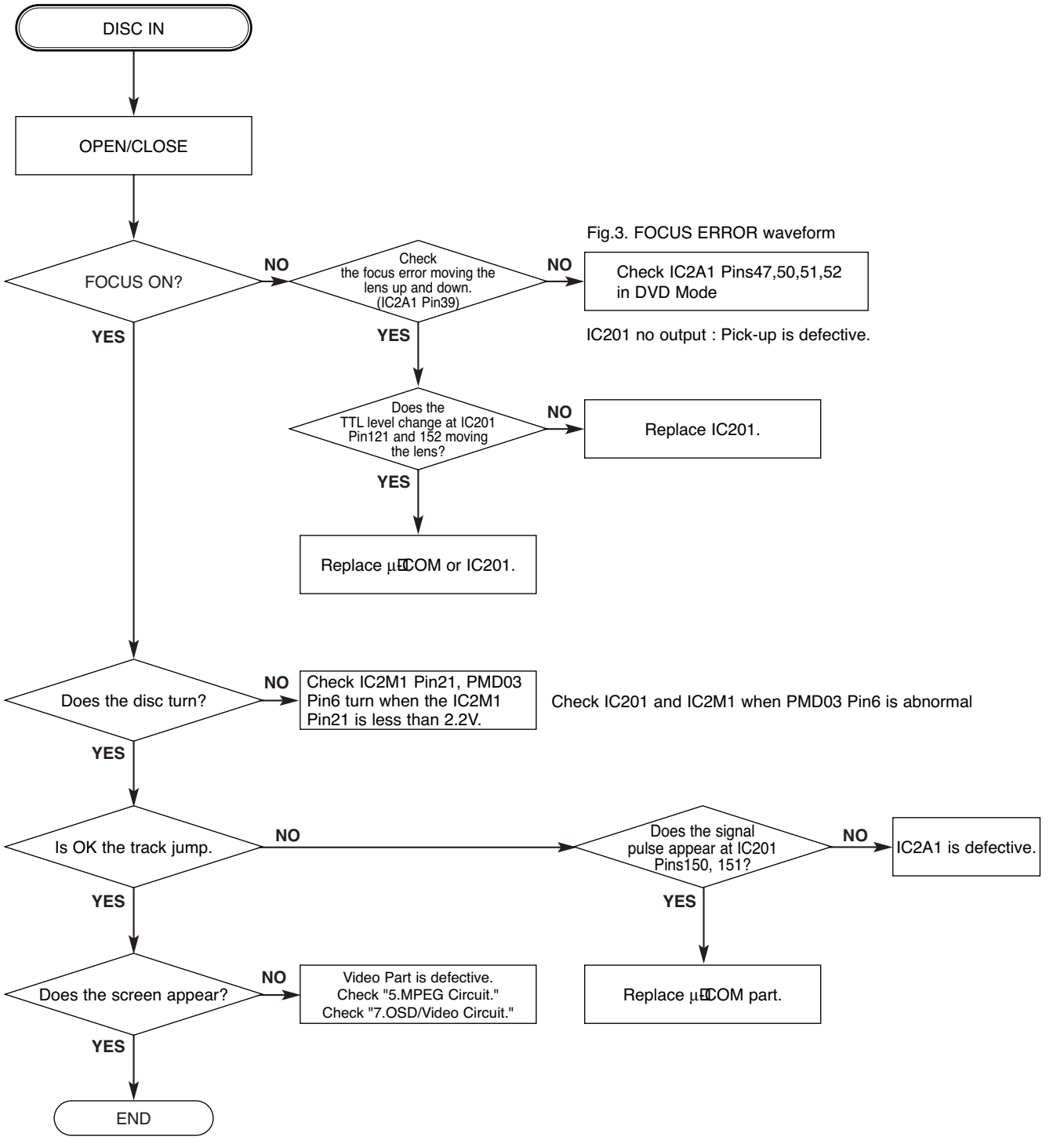
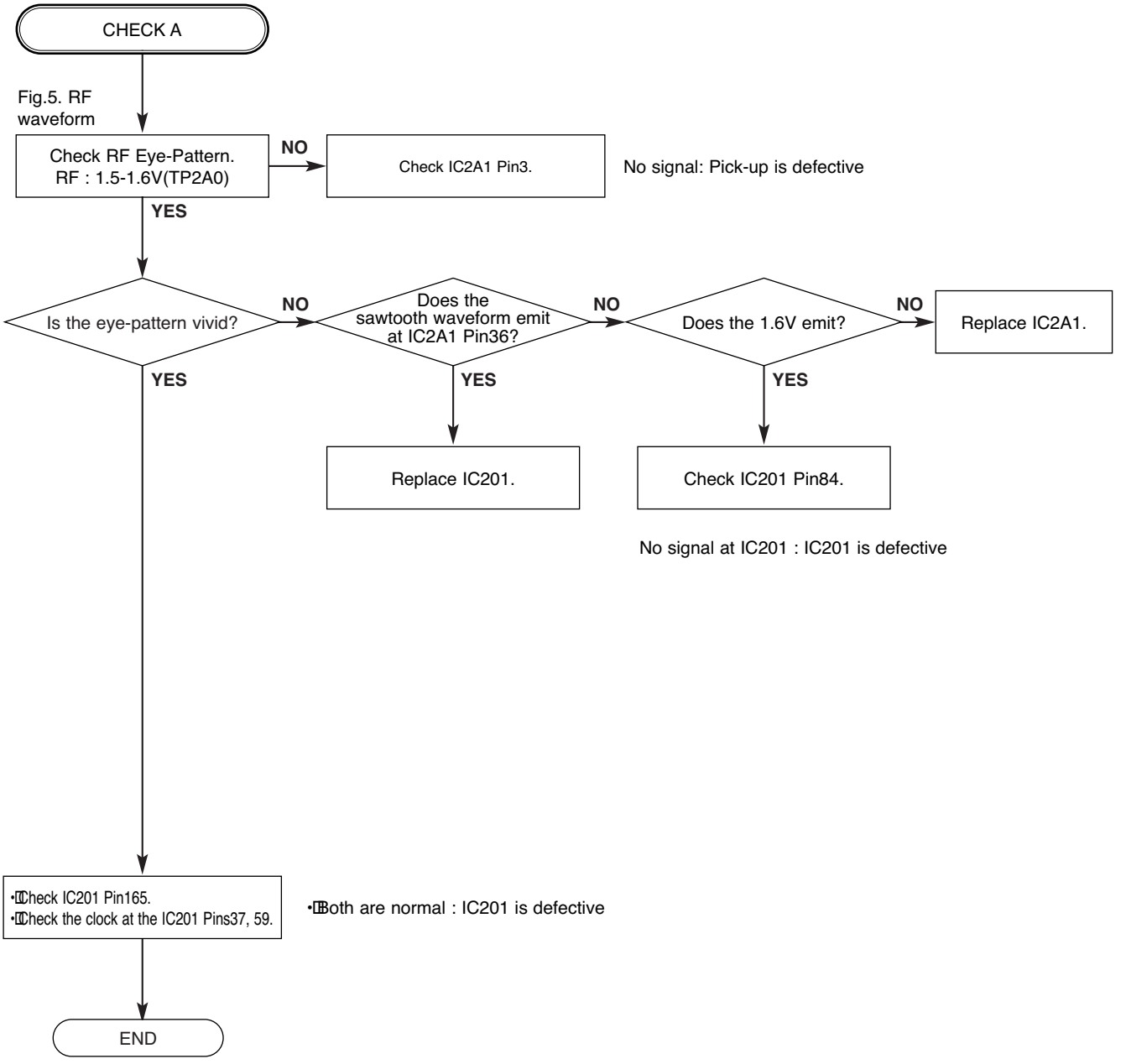


Fig.3. FOCUS ERROR waveform

IC201 no output : Pick-up is defective.

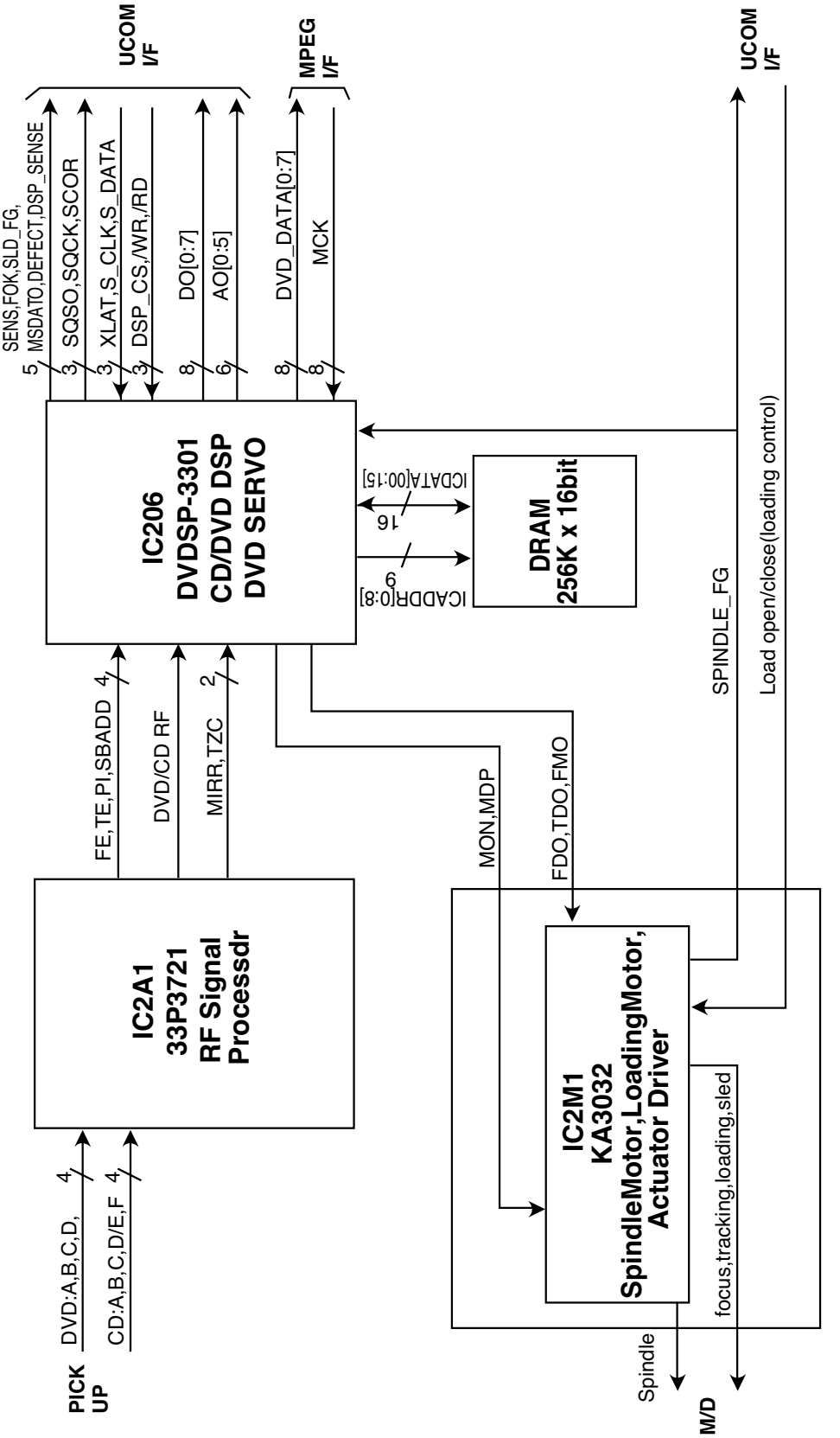
Check IC201 and IC2M1 when PMD03 Pin6 is abnormal

D.

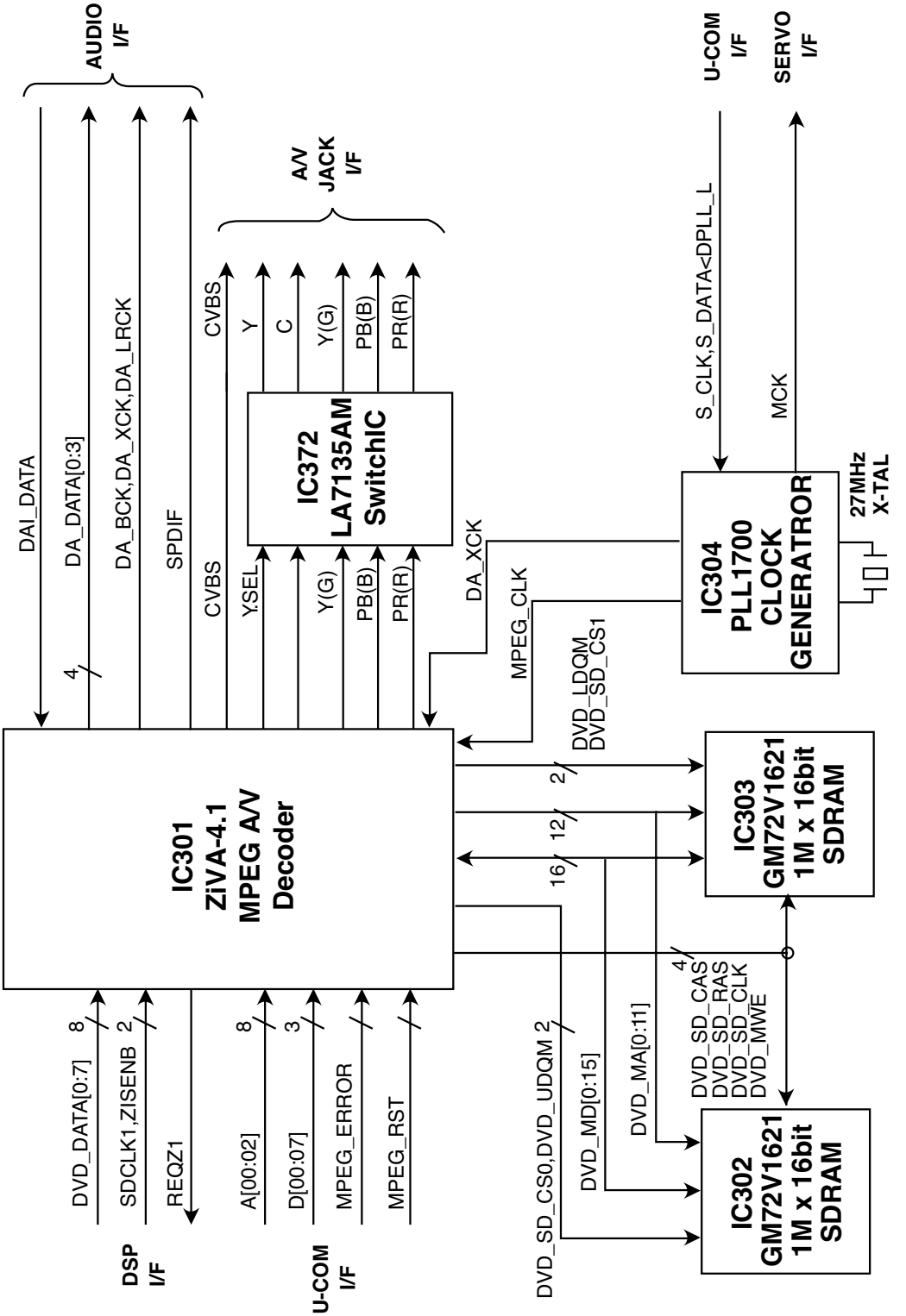

CHECK A
Fig.5. RF waveform
Check RF Eye-Pattern.
RF : 1.5-1.6V(TP2A0)
NO
Check IC2A1 Pin3.
No signal: Pick-up is defective
YES
Is the eye-pattern vivid?
NO
Does the sawtooth waveform emit at IC2A1 Pin36?
NO
Does the 1.6V emit?
NO
Replace IC2A1.
YES
YES
YES
Replace IC201.
Check IC201 Pin84.
No signal at IC201 : IC201 is defective
•Check IC201 Pin165.
•Check the clock at the IC201 Pins37, 59.
•Both are normal : IC201 is defective
END

BLOCK DIAGRAMS

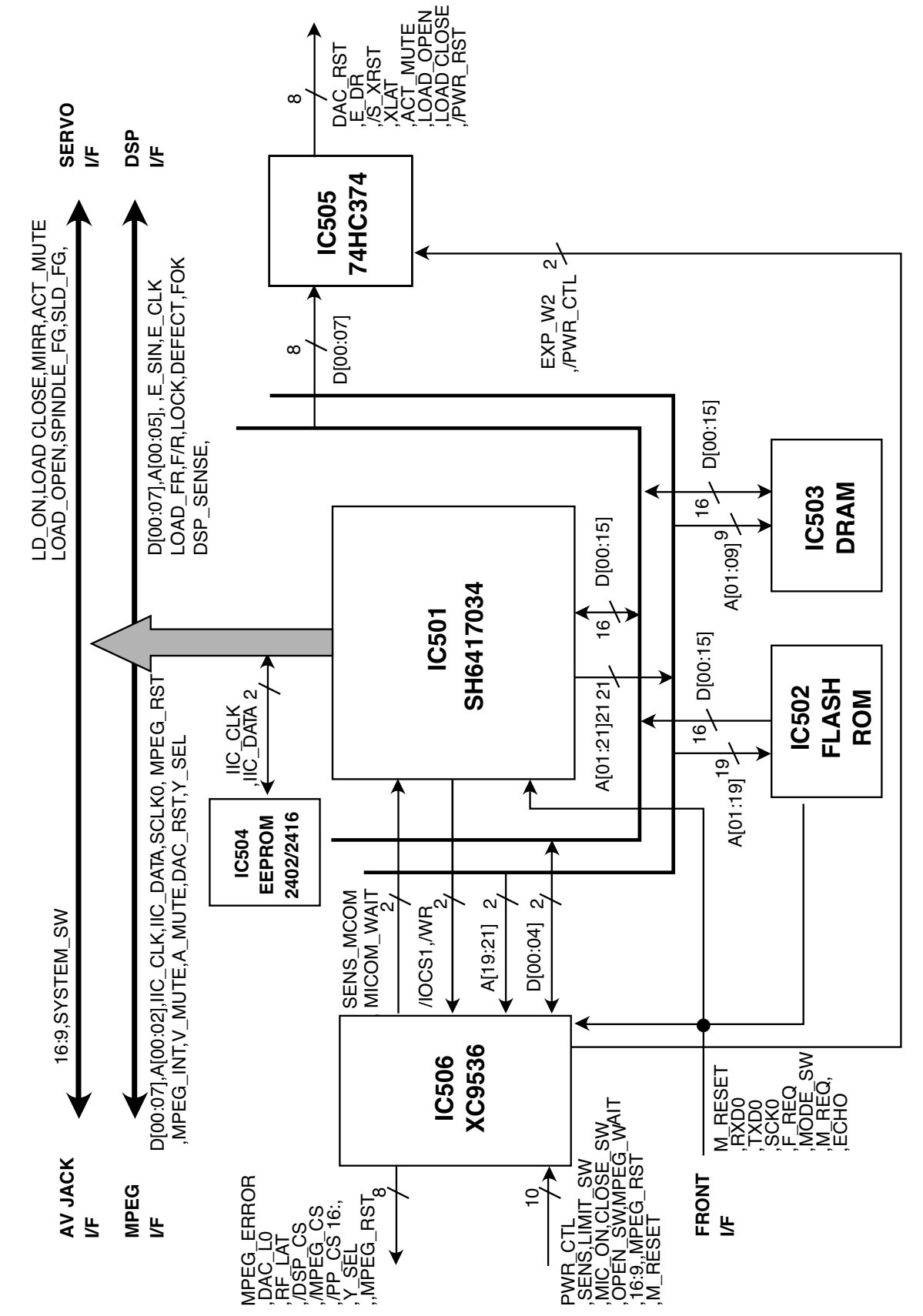
1. RF/CD DSP/DVD DSP/DVD SERVO Block Diagram



2. MPEG Block Diagram



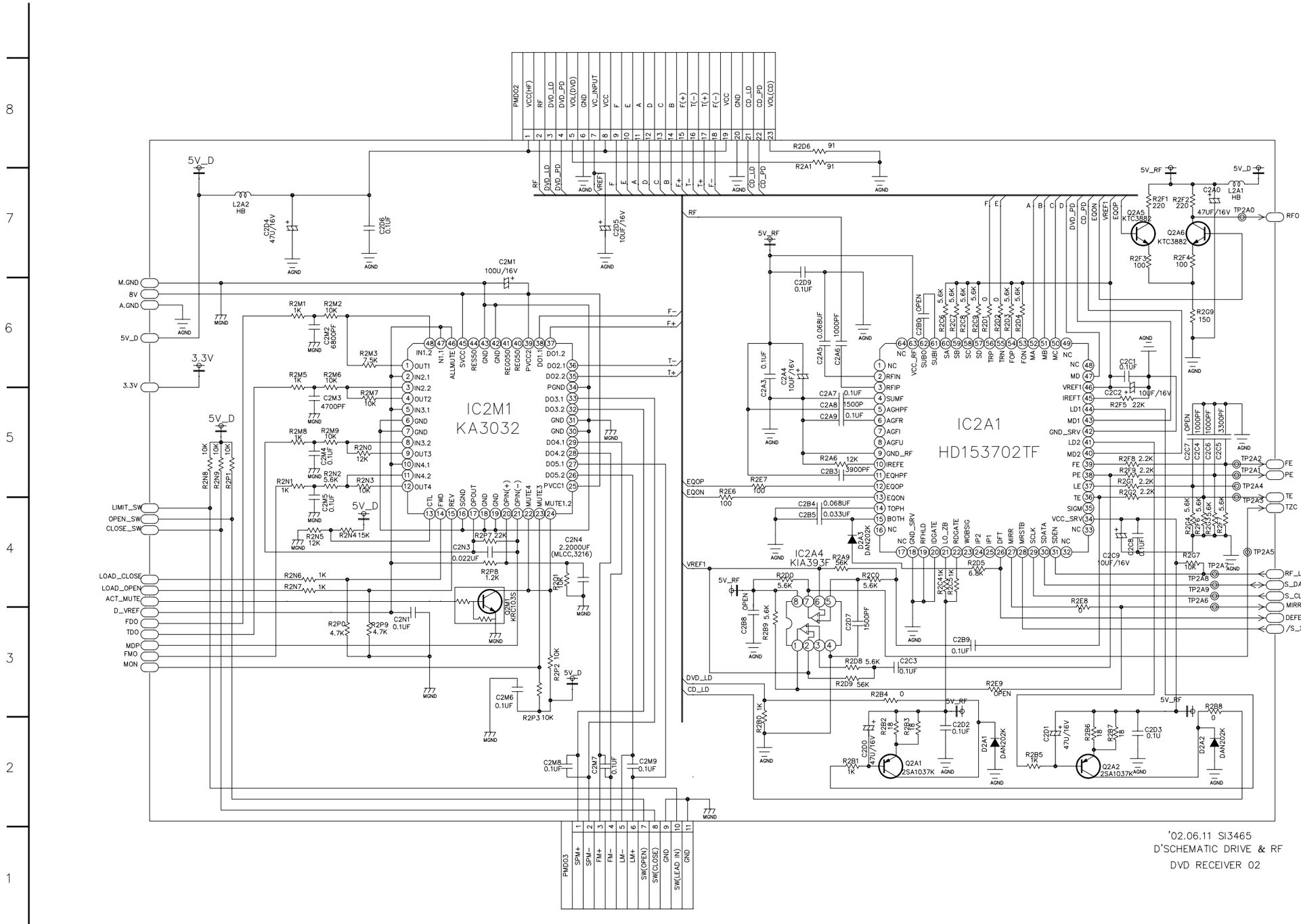
3. *μ*-COM Block Diagram



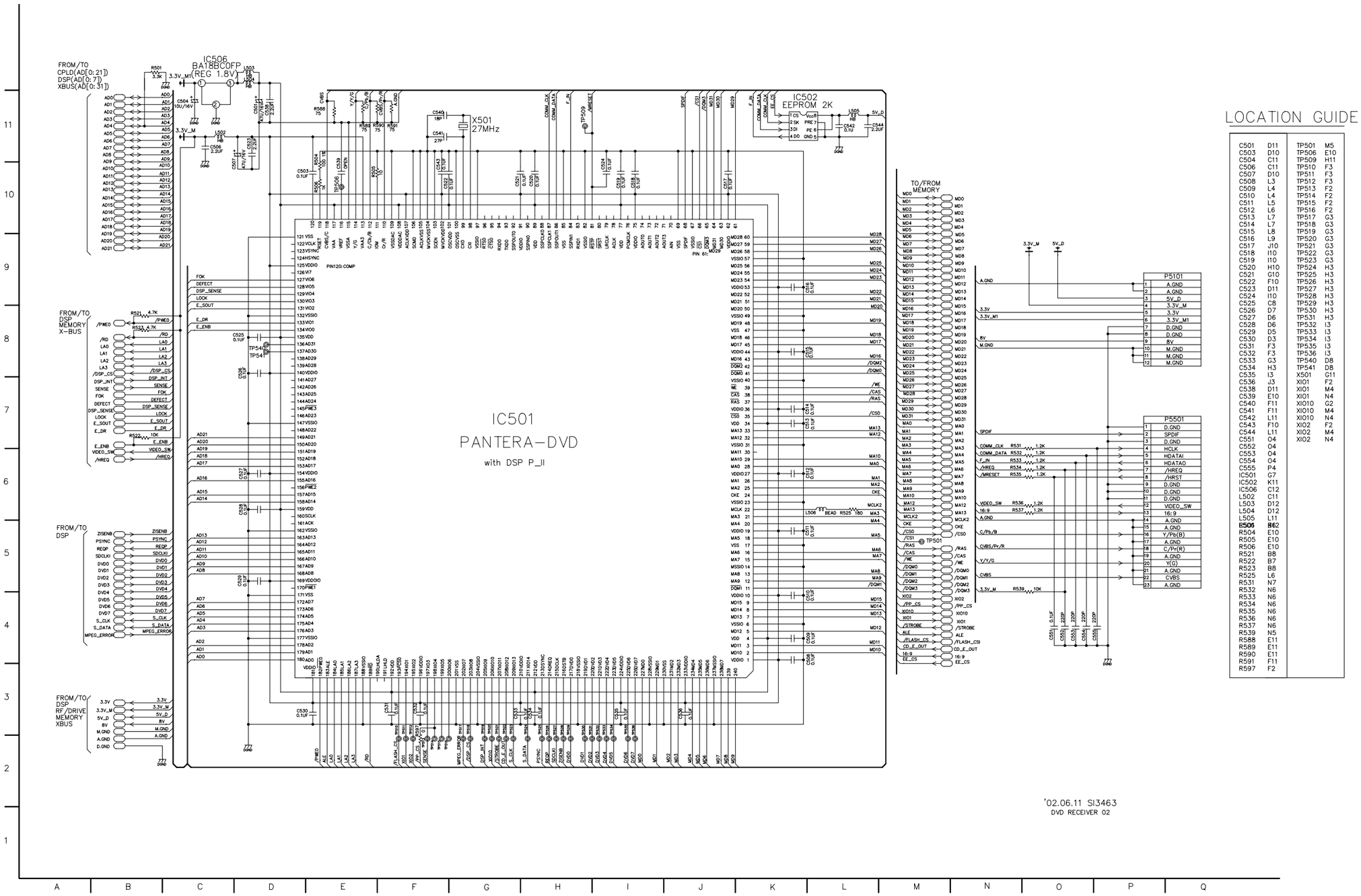
MEMO

SCHEMATIC DIAGRAMS

• DRIVE & RF SCHEMATIC DIAGRAM



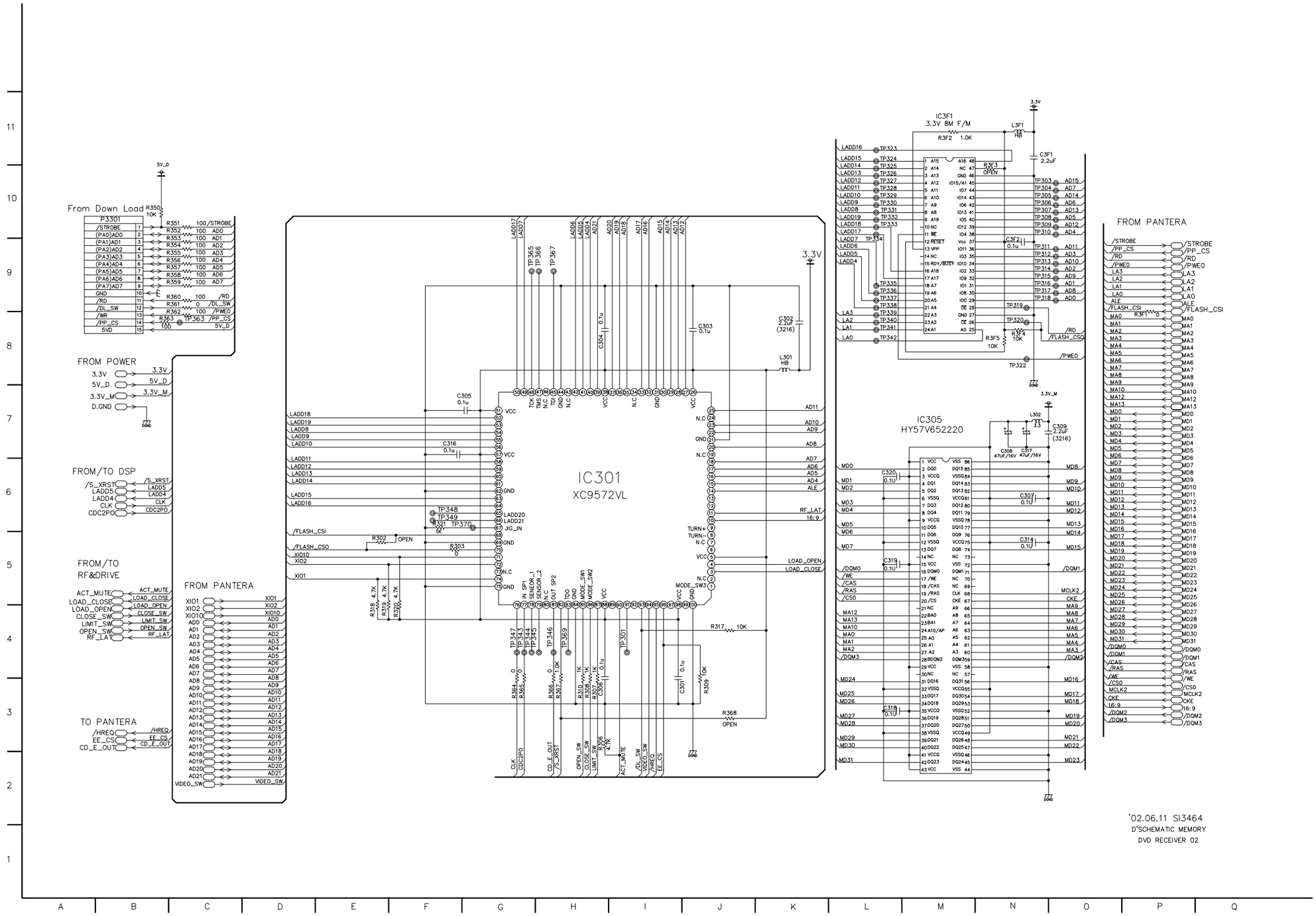
• MPEG SCHEMATIC DIAGRAM



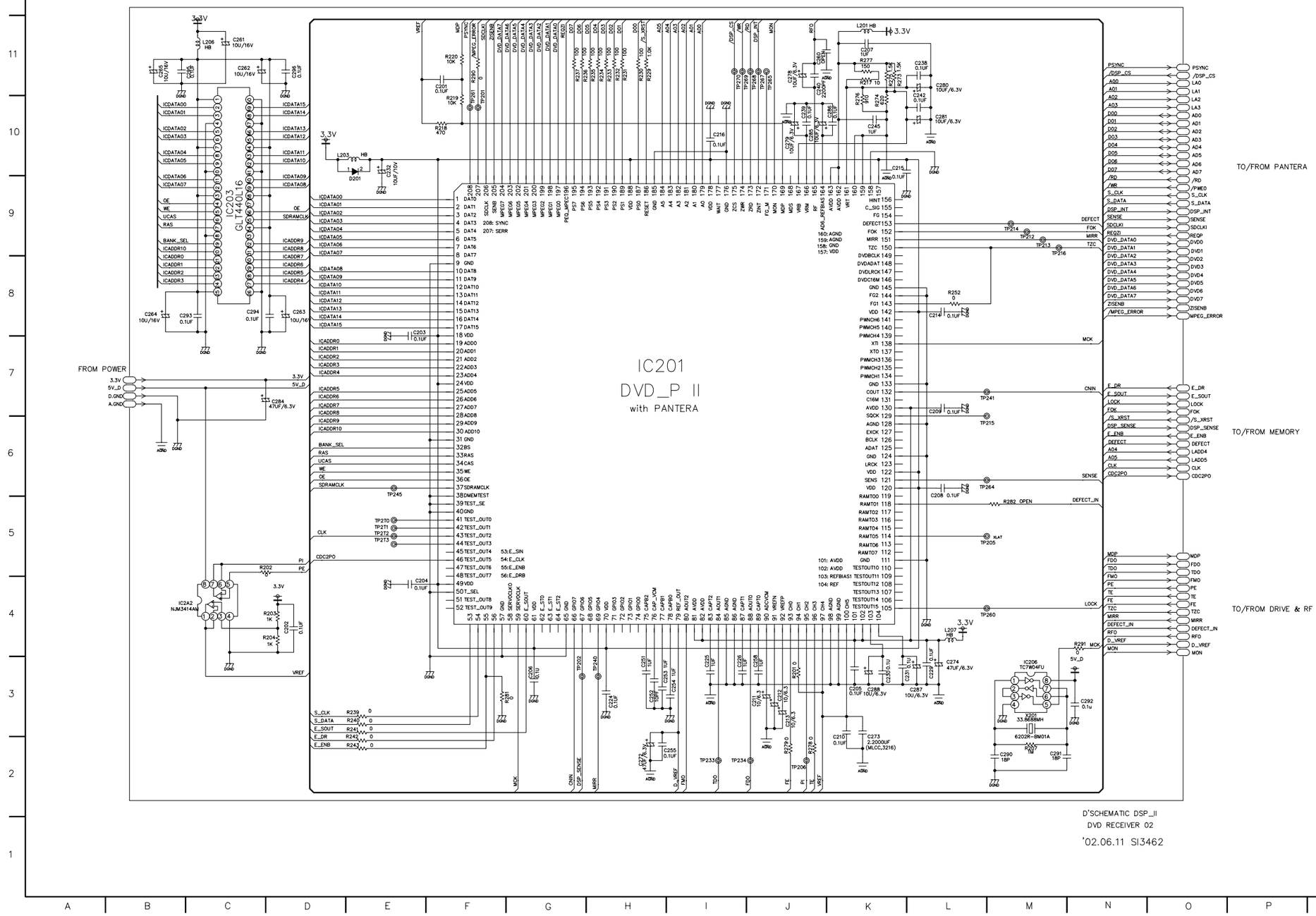
LOCATION GUIDE

C501	D11	TP501	M5
C503	D10	TP506	E10
C504	C11	TP509	H11
C506	C11	TP510	F3
C507	D10	TP511	F3
C508	L3	TP512	F3
C509	L4	TP513	F2
C510	L4	TP514	F2
C511	L5	TP515	F2
C512	L6	TP516	F2
C513	L7	TP517	G3
C514	L7	TP518	G3
C515	L8	TP519	G3
C516	L9	TP520	G3
C517	J10	TP521	G3
C518	I10	TP522	G3
C519	I10	TP523	G3
C520	H10	TP524	H3
C521	G10	TP525	H3
C522	F10	TP526	H3
C523	D11	TP527	H3
C524	I10	TP528	H3
C525	C8	TP529	H3
C526	D7	TP530	H3
C527	D6	TP531	H3
C528	D6	TP532	I3
C529	D5	TP533	I3
C530	D3	TP534	I3
C531	F3	TP535	I3
C532	F3	TP536	I3
C533	G3	TP540	D8
C534	H3	TP541	D8
C535	I3	X501	G11
C536	J3	XI01	F2
C538	D11	XI01	M4
C539	E10	XI01	N4
C540	F11	XI010	G2
C541	F11	XI010	M4
C542	L11	XI010	N4
C543	F10	XI02	F2
C544	L11	XI02	M4
C551	O4	XI02	N4
C552	O4		
C553	O4		
C554	O4		
C555	P4		
IC501	G7		
IC502	K11		
IC506	C12		
L502	C11		
L503	D12		
L504	D12		
L505	L11		
R508	B2		
R504	E10		
R505	E10		
R506	E10		
R521	B8		
R522	B7		
R523	B8		
R525	L6		
R531	N7		
R532	N6		
R533	N6		
R534	N6		
R535	N6		
R536	N6		
R537	N6		
R539	N5		
R588	E11		
R589	E11		
R590	E11		
R591	F11		
R597	F2		

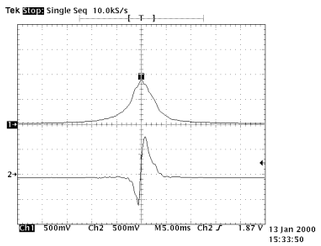
• μ-COM SCHEMATIC DIAGRAM



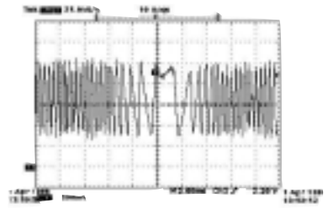
• DVD DSP(DIGITAL SIGNAL PROCESSING) SCHEMATIC DIAGRAM



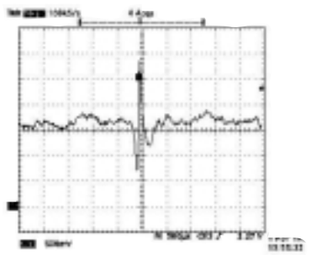
WAVEFORMS



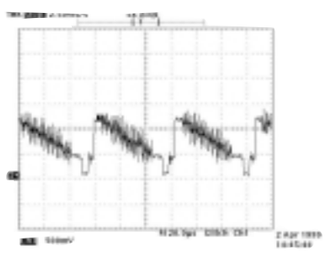
IC2A1 Pin 42, Focus Error
IC2A1 Pin 36, Pi



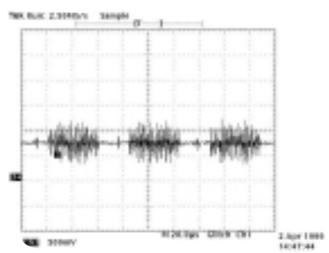
IC2A1 Pin 41
Tracking Error



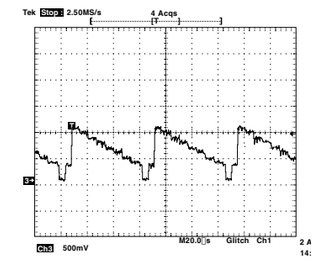
IC2A1 Pin 41
VBR TRACKING Error



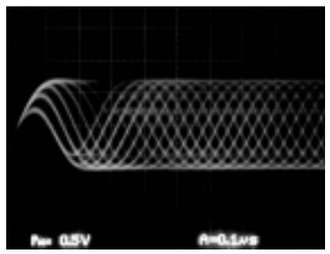
IC501 Pin 118, Composite



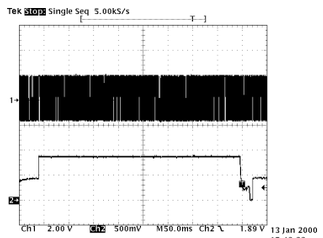
IC501 Pin 112, Chrominance
(Super video out Mode)



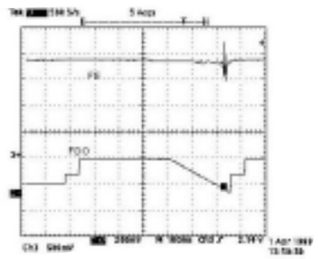
IC501 Pin 114, Luminance
(Super video out Mode)



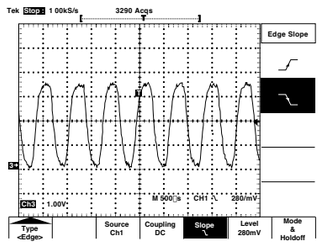
IC2A1 Pin 57
RF



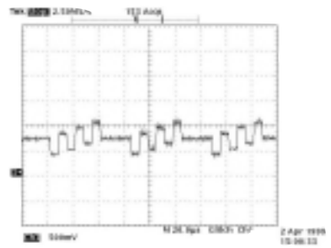
IC201, Pin 88, SLED Drive(FMO)
IC201, Pin 18 SLED FG



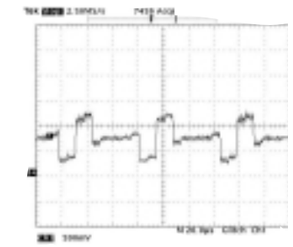
IC2A1 Pin 42, Focus Error(Focus Search)
IC2A1 Pin 83, Focus Drive(FDO)



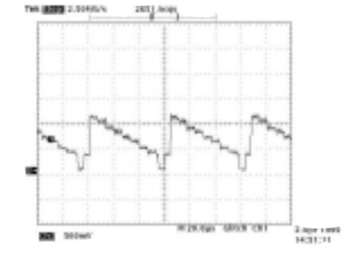
IC501 Pin 98,
MPEG Clock(27MHz)



IC501 Pin 114,
Component Pb



IC501 Pin 112,
Component Pr



IC501 PIN 118,
COMPONENT Y

• CIRCUIT VOLTAGE CHART

	IC203		IC201		IC301		IC3F1		IC501		IC305		IC2A1		IC2M1	
PIN	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY
1	3.18	3.16	3.12	0	3.17	3.16	0	0	3.12	3.1	3.06	3.05	0	0	2.11	2.14
2	3.12	2.69	3.12	0	0	0	0	0	0	0.41	0.29	0.35	3.16	3.13	2.1	2.12
3	3.12	2.69	3.12	0	3.16	0	0	0	0	0.47	3.06	3.05	3.16	3.13	2.11	2.11
4	0	0	3.12	0	3.16	0	0	0	1.75	1.73	3.06	0.33	0.75	1.55	2.1	2.15
5	3.12	2.74	3.12	3.12	3.17	3.16	0	0	0	0.49	0	0	2.04	3.02	2.1	2.12
6	3.12	2.71	3.12	3.12	3.17	3.16	0	0	0	0	0	0	0	0	0	0
7	3.18	3.17	3.12	0	0	0	0	0	0	0.37	0	0.34	0	0	0	0
8	3.12	2.68	3.12	3.12	3.17	3.16	0	0	0	0.35	0.4	0	0	0.33	2.11	2.12
9	3.12	2.63	0	0	0	0	3.13	2.92	0	0.33	0	3.05	0	0	2.02	1.99
10	0	0	3.12	3.12	0	0	0	0	3.22	3.19	0.33	0	0.44	0	2.1	2.12
11	3.12	2.7	3.12	3.12	0	0	3.13	3.12	0	0	0.41	0	1.72	1.19	2.11	2.12
12	3.12	2.7	3.12	0	0	0	3.2	3.2	0	0	0	0	2.06	2.3	2.09	2.13
13	3.18	3.17	3.12	3.12	3.17	3.16	3.2	3.2	0	0	0	0.46	2.25	3.08	3.25	2.23
14	0	0	3.12	0	0	0	0	0	0	0	0	0	1.32	3.13	2.51	0
15	3.12	3.04	3.12	0	0	0	0	0	0	0.79	3.06	3.05	1.46	2.27	2.51	0
16	3.12	0	3.12	0	2.17	2.18	3.19	0	0	0.74	0	0	0	2.4	0	0
17	3.12	3.02	3.12	0	0.38	2.21	0	0	0	0	3.09	3.07	0	0	2.18	0
18	0	0	3.13	3.12	0.41	0.61	0	0	0	0.71	0	2.82	0	0	0	0
19	0	0	3.13	0	0	0	0	0	3.22	3.1	2.84	3.03	0	0	0	0
20	0	3.12	0	0	0	0	0	0	3.22	3.13	3.05	2.76	0	0	1.52	1.89
21	3.13	0	3.13	0	0	0	0	0	3.22	3.13	0	0	3.01	5.01	1.88	1.89
22	3.13	3.17	0	0	0	0	0	0	1.64	0	0	1.38	3.85	5.01	0	0
23	3.13	0	0	0	0	0	0	0	0	0	0.8	0.79	0	0	3.13	0
24	0	0	3.13	0	0	0	0	0	3.22	3.13	0	0	0	0	0	0
25	3.18	0	3.12	0	0	0	3.11	3.11	0	3.13	1.14	1.1	0	0	7.95	7.92
26	0	0	0	0	3.21	3.16	3.17	3.2	0	3.13	0.38	1.54	3.31	3.63	3.92	3.71
27	0	0	0	3.12	0	0	0	0	3.22	3.11	0	0	0	0	3.92	3.71
28	3.12	0	0	0	0	0	3.11	0	0	1.1	0	0	3.14	3.16	3.9	3.74
29	0	3.12	0	0	0	0	0.61	1.07	0	0	0	0.05	5.15	5.14	3.95	3.68
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	3.17	0	3.12	0	0	0.6	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	3.22	1.39	0	0	0	0	1.18	4.2
33	3.1	0	3.12	0	0	0	0.59	0	3.22	0.8	0	0	0	0	1.18	3.43
34	3.18	0	3.12	0	0	0	0	0	1.75	1.52	0.34	0	5.03	4.99	0	0
35	1.5	0	3.12	0	0	0	0.61	0	3.22	2.76	3.03	3.05	2.29	2.34	3.92	3.75
36	0	3.12	0	0	0	0	0	0	3.22	3.11	0	0.34	2.2	2.3	3.93	3.73
37	0	0	1.51	0	0	0	3.18	0	3.22	3.03	0	0	2.2	2.2	3.92	3.73
38	3.18	0	0	0	3.17	3.16	0	0	3.22	2.83	0	0	2.29	2.26	3.92	3.68
39	3.12	3.12	0	0	0	0	0	0	3.22	3.08	0.56	0	2.24	2.24	7.95	7.94
40	3.12	3.12	0	0	0	0	2.17	0	0	0	0.56	0	0	0	7.91	7.87
41	0	3.17	0	0	0	0	0	0	0	0	0	3.05	5.03	5.01	0	0
42	3.12	0	0	0	0	0	0.38	2.28	0	0	3.03	0.45	0	0	0	0
43	3.12	0	0	0	0	0	0	0	0	0.34	3.03	3.05	0	0	0	0
44	3.18	0	0	0	0	0	0.41	0.65	3.22	3.11	0	0	5.03	1.59	0	0
45	3.12	3.12	0	0	3.17	3.15	0	0	0.45	0.33	0	0.44	2.3	2.3	7.95	7.94
46	2.76	3.12	1.56	0	0	0	0	0	0	0	0	0	2.3	2.3	2.11	2.12
47	0	0	0.91	0	3.17	3.15	0	0	0	0	0.38	0	1.74	2.3	2.1	2.12
48	3.12		1.65	0	2.19	0	0	0	0	0	0	0	0	0	2.11	2.12
49	3.12		3.14	0.53	0	0			0	0	3.03	0	0	0		
50	0		0	0	0	0			0.43	0.39	0.36	3.05	2.3	2.3		
51			0.64	0	3.17	0			0.42	0.45	0	0.34	2.3	2.3		
52			0.43	0	3.17	3.19			0.43	0.35	0	0	2.3	2.3		
53			0	0	3.11	2.91			3.12	3.11	0	0	2.3	2.3		
54			2.58	0	0	0			0	0	0.41	0	2.3	2.3		
55			0	0	0	0			0	0.33	3.03	3.05	2.3	2.3		
56			3.11	0	0	0			0.39	0.36	0	0.34	2.3	2.3		
57			0	0	3.17	3.19			0	0	0	0	2.3	2.3		
58			1.65	0	0	0			0	0	0	0	2.3	2.3		
59			1.79	0	0	0			0	0.42	0	0	2.29	2.3		
60			0	0	0	0			0.44	0.4	0	0.79	2.29	2.3		
61			3.13	0	0	0			0.44	0.47	0	0.79	0.36	0.56		
62			0	0	0	0			3.12	3.11	0	2.26	0.37	0.62		
63			3.13	0	0	0			0.45	0.35	0	0.74	5.03	5.02		
64			0	0	0	0			0	0	0	0.78	0	0		
65			0	0	0	0			0	0	0	0				
66			3.12	0	0	0			0	0	0	0				
67			0	0	0	0			0	0.31	3.11	3.1				
68			3.13	3.12	3.11	3.1			1.51	0	1.6	1.59				
69			4.08	0	0	0			0	1.5	0	0				
70			3.13	0	0	3.16			1.47	0	0	0				
71			0	0	3.11	3.1			0	0	0	0				
72			3.13	3.13	0	0			0	0	0	0				
73			0	0	0	0			0	0	0	0				
74			0	0	3.11	3.1			0	0	0	0.45				
75			0.78	0	0	0			3.12	3.11	3.04	3.05				
76			1.41	0	0	0			1.48	1.26	0	0				
77			0.77	0	0	0			1.74	1.74	0	0				
78			0.77	0	0	0			1.54	1.54	0	0				
79			2.1	2.11	3.17	0			1.56	1.55	0	0				
80			2.12	2.11	0	0			3.11	3.1	0	0.34				
81			3.18	0	3.17	0			3.01	3.01	1.69	0				

	IC203		IC201		IC301		IC3F1		IC501		IC305		IC2A1		IC2M1	
PIN	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY
82			3.18	0	3.17	3.19			0	0	0	0				
83			1.93	1.93	2.12	2.27			0	0.33	0	0				
84			2.11	2.11	0	0			1.74	5.12	0	0				
85			0	0	4.41	4.41			0	0	0	0.33				
86			0	0	0	0			0	0	0	0				
87			1.93	0	0	0			1.42	3.11						
88			2.1	0	3.17	3.19			1.87	3.11						
89			1.93	1.92	2.66	0			1.67	1.74						
90			1.59	0	0	3.17			0	0						
91			0.8	0	3.19	0			3.11	3.11						
92			2.36	2.36	3.19	3.19			0	3.11						
93			2.24	1.6	3.19	3.19			3.11	3.11						
94			1.58	1.56	0	0			0	0.34						
95			1.64	1.62	3.13	3.13			0	0.34						
96			1.58	1.62	0	0			2.82	3.11						
97			1.58	1.56	3.19	3.19			0	0						
98			0	0	3.19	3.19			0.85	0.92						
99			0	0	0.36	0.36			0.89	0.93						
100			1.58	0	0	0			0	0						
101			3.18	0					1.79	1.74						
102			3.18	0					3.23	3.1						
103			2.01	2.01					0	0						
104			2.01	2.01					0	0						
105			0	0					0	0						
106			3.12	0					0	0						
107			2.07	3.12					3.23	3.09						
108			0.41	0					1.74	1.74						
109			0	0					0	0						
110			2.15	0					1.75	1.3						
111			0	0					0.34	0.74						
112			0	0					0	1.39						
113			0	0					3.2	3.1						
114			0	0					0.49	0.64						
115			0	0					0	0						
116			0	0					1.17	1.29						
117			0	0					1.79	1.74						
118			0	0					0	0.74						
119			0	0					1.17	1.28						
120			3.12	0					2.04	1.82						
121			0	0					0	0						
122			3.12	3.12					0	0						
123			3.12	3.12					0	0.36						
124			0	0					0	0.36						
125			3.12	3.12					3.16	3.1						
126			3.12	0					0	0.36						
127			2.42	0					0	0						
128			0	0					0	0						
129			2.41	0					0	0						
130			3.18	3.17					0	0						
131			3.12	3.12					0	0						
132			3.12	0					0	0						
133			0	0					3.13	0						
134			3.12	3.12					0	0						
135			3.12	3.12					1.74	1.74						
136			2.45	2.33					0	0						
137			1.68	1.65					0	0						
138			1.77	1.87					0	0						
139			2.45	2.33					0	0						
140			2.61	0.32					3.13	3.1						
141			2.54	0					0	0						
142			3.12	0					0	0						
143			0	0					0	0						
144			0	0					0	0						
145			0	0					3.13	3.09						
146			2.54	0					0	0						
147			2.54	0					0	0						
148			2.54	0					0	0						
149			2.54	0					0	0						
150			4.76	0					0	0						
151			4.13	0					0	0						
152			0	0					0	0						
153			0	0					0	0						
154			0	0					3.13	3.1						
155			3.12	0					0	0						
156			3.12	0					3.13	3.09						
157			3.12	0					0	0						
158			0	0					0	1.73						
159			0	0					1.74	1.73						
160			0	0					1.12	1.83						
161			2.64	2.62					3.13	0						
162			3.18	3.16					0	0						

	IC203		IC201		IC301		IC3F1		IC501		IC305		IC2A1		IC2M1	
PIN	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY
163			3.18	3.15					0	0						
164			2.02	0					0	0						
165			2.08	0					0	0						
166			2.09	0					0	0						
167			1.57	0					0	0						
168			2.51	0					0	0						
169			1.6	1.57					3.13	3.1						
170			3.13	3.01					3.13	0						
171			2.53	0					0	0						
172			0	0					0.44	0.6						
173			3.11	0					0.4	2.15						
174			3.11	0					2.2	2.15						
175			3.11	3.1					0	0						
176			0	0					0.66	0.8						
177			3.12	0					0	0						
178			3.12	2.59					0.65	0.83						
179			3.11	3.03					0.65	0.79						
180			0	0					0.67	0.79						
181			0	0					0	3.1						
182			0	0					3.13	3.1						
183			0	0					0	0						
184			0	0					3.13	3.1						
185			0	0					0	0						
186			3.17	0					0	0						
187			0.69	0					0	0						
188			3.18	3.12					0	0						
189			0.66	0.77					0	3.1						
190			0.65	0					0	0						
191			0.67	0.87					0	0						
192			0	0					0	1.75						
193			2.21	2.17					3.13	3.09						
194			0.41	0					3.13	3.16						
195			0.45	0					0	0						
196			0	0					3.13	3.1						
197			0	0					0	0						
198			0	0					3.13	0						
199			0	3.12					3.13	3.1						
200			0	0					0	3.1						
201			0	0					0	0						
202			0	1.22					3.18	0						
203			0	1.22					3.18	3.1						
204			0	0					0	0						
205			3.11	3.11					0	0						
206			1.53	3.11					0	3.1						
207			3.12	0					0	0						
208			3.12	3.12					0.37	0						
209									0	0						
210									3.13	3.1						
211									0	0						
212									0	0						
213									0	0						
214									0	0						
215									0	0						
216									0	0						
217									0	0						
218									0	0						
219									0	0						
220									0	3.12						
221									0	0						
222									0	0						
223									0	0						
224									0	0						
225									3.13	0						
226									0	0						
227									0	0.41						
228									0	0						
229									0	0						
230									0	0						
231									0	0						
232									0	0.43						
233									3.24	0						
234									0	0.45						
235									0	0.34						
236									0	0						
237									0	0						
238									0	0						
239									0	0						
240									0	0.36						
241																
242																
243																

	IC901		IC451		IC401		IC454		IC453		IC452		IC402		IC801	
PIN	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY
1	0	0	0	0	2.98	2.98	5.51	5.51	5.41	5.42	5.49	0	5.47	5.47	1.83	1.81
2	5.1	5.05	3.15	3.15	3.26	3.26	5.51	5.51	5.41	5.42	5.49	5.51	5.47	5.47	0	0
3	0	0	3.15	3.15	0	0	5.51	5.51	5.41	5.41	5.49	5.51	5.47	5.47	1.83	1.81
4	5.14	5.14	3.15	3.14	1.57	0	0	0	0	0	0	0	0	0	0	0
5	0.48	0	3.15	3.15	1.58	1.58	5.51	5.51	5.41	5.41	5.49	5.51	5.47	5.47	0	0
6	0.48	0	3.15	3.15	1.3	0	5.51	5.51	5.41	5.42	5.49	5.51	5.47	5.47	4.59	4.57
7	5.17	5.17	3.15	3.15	0	0	5.51	5.51	5.41	5.41	5.49	0	5.47	5.47	1.84	1.82
8	2.22	2.21	2.43	2.42	3.24	3.24	11.95	11.95	11.95	11.95	11.95	11.95	11.95	11.95	0	0
9	2.35	2.35	2.48	2.46	0	0									1.84	1.82
10	0	0	2.43	2.42	3.2	3.19										
11	2.26	2.24	2.48	0	4.85	4.84										
12	2.46	2.45	0	0	2.31	0										
13	0	0	0	0	2.35	0										
14	5.17	5.16	0	0	2.35	0										
15	5.17	5.16	2.43	2.43	0	0										
16	5.1	5.06	2.47	3.14	0	0										
17	0	0	2.45	0	4.91	0										
18	0	0	0	0	2.34	2.34										
19	5.16	5.16	4.91	4.88	2.34	2.33										
20	5.14	5.14	0	0	0	0										
21	5.01	5.02	0	0												
22	0	0	0	0												
23	0	0	4.91	0												
24	0	0	0	0												
25	2.68	2.68	4.9	4.88												
26	5.17	5.17	0	0												
27	5.17	5.17	0	0												
28	4.77	4.87	0	0												
29	5.07	5.06	0	0												
30	21.58	18	4.91	4.88												
31	23.58	18	0	0												
32	23.6	23	4.91	4.88												
33	27.54	21.21	0	0												
34	23.6	17.18	0.36	0												
35	23.6	22.91	0	0												
36	21.6	19.14	3.24	3.23												
37	21.61	25.01	3.19	3.19												
38	23.65	23.06	2.93	3.92												
39	23.65	23.09	0	0												
40	23.57	23.08	0	0												
41	25.6	23.07	1.3	1.31												
42	25.6	25.03	1.48	1.47												
43	25.6	25.03	1.57	0												
44	25.6	23.07	1.58	1.58												
45	27.6	25.07	0	0												
46	27.6	21.16	3.15	3.15												
47	27.5	25.11	0	0												
48	27.5	24.76	0	0												
49	27.5	27.86	0	0												
50	27.5	26.88	0	0												
51	6.73	6.69	3.15	3.14												
52	25.7	25.13	0	0												
53	25.6	25.08														
54	25.6	25.16														
55	25.6	25.15														
56	25.6	25.08														
57	25.6	25.13														
58	27.7	27.08														
59	5.16	5.15														
60	5.16	5.16														
61	5.16	5.16														
62	5.16	5.16														
63	0	0														
64	0	0														

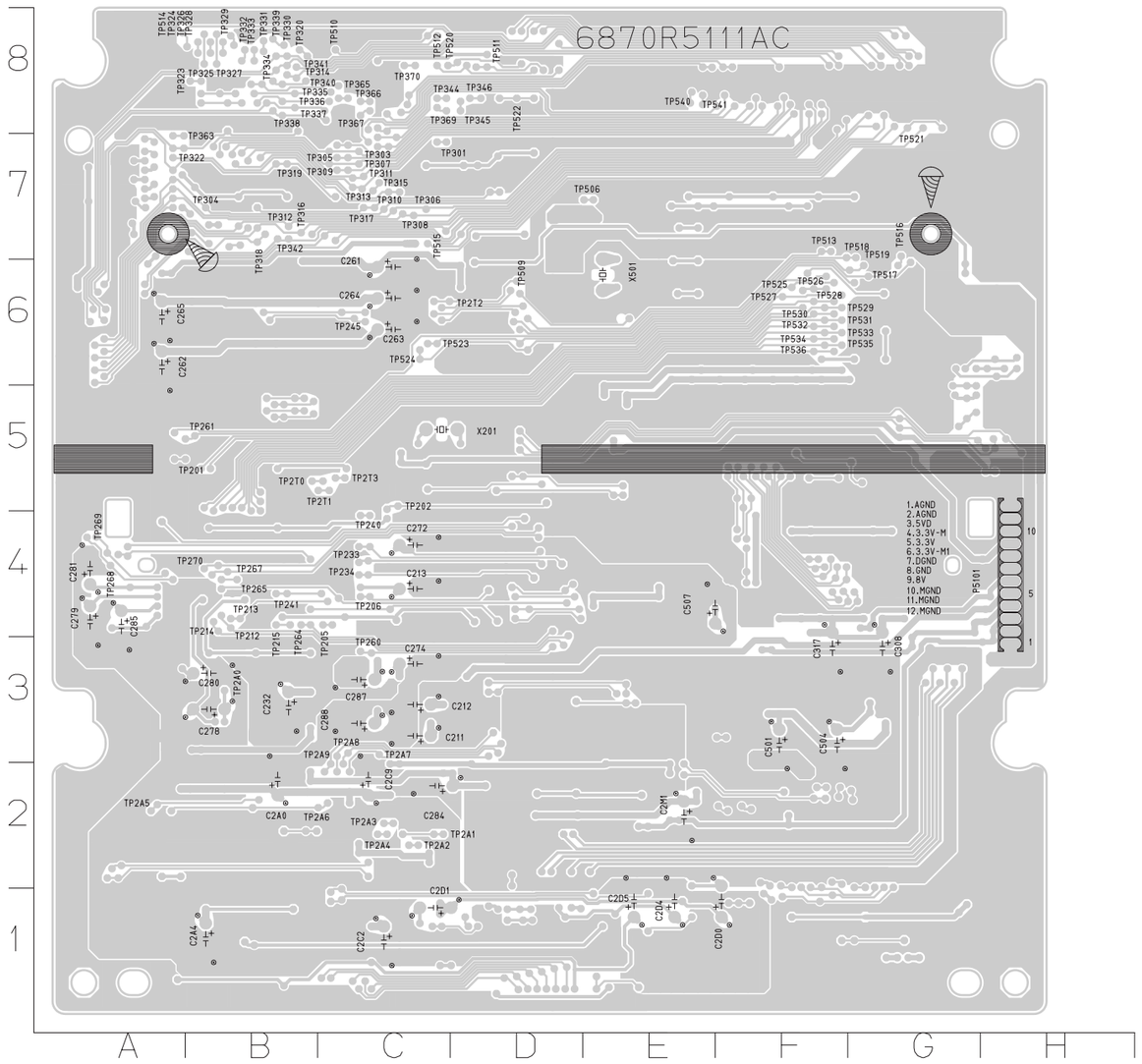
	IC503		IC502		IC2A4		IC2A2		IC206		IC504		IC506	
PIN	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY
1	0	0	0	0	4.87	4.39	1.57	1.56	2.63	2.64	2.11	2.19	(IN)0	0
2	3.1	3.1	5.03	5.03	2.3	2.31	1.57	1.56	2.74	0	5.05	5.05	(OUT)1.80	0
3	5.03	5.03	0	0	2.29	2.29	1.57	0	2.74	2.76	2.37	2.44		
4	0	0	5.1	5.1	0	0	0	0	0	0	0	0		
5	0	0	0	0	2.29	2.29	1.62	1.62	1.92	1.88				
6	0	0	5.04	5.04	2.3	2.31	1.62	1.62	2.28	0				
7	5.05	5.05	0	0	2.51	2.45	1.62	1.62	2.28	0				
8	0	3.15	5.03	5.04	5.02	5.02	5.04	4.99	5.04	0				
9	0	0												
10	0	0												
11	0	0.46												
12	0	0.15												
13	3.11	3.1												
14	0	0												
15	0	0												
16	0	0												
17	3.09	3.09												
18	5.15	5.14												
19	0	0												
20	5.15	5.15												

	Q2M1		Q2A1		Q2A6		Q2A5		Q2A2	
	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY
E	0	0	5.02	0	0	2.41	2.34	2.35	5.02	4.95
B	0	0	0	0	3.62	3.72	3.82	0	0	0
C	0	3.14	0	0	0	3.1	0	0	5.01	4.94

	Q610		Q611		Q609		Q613		Q614		Q612	
PIN	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY
Emitter	0	0	0	0	0	0	0	0	0	0	0	0
Collector	0	0	0	0	0	0	0	0	0	0	0	
Base	0.77	0.78	0.77	0.77	0.76	0.77	0.76	0.77	0.77	0.77	0.76	0.79

PRINTED CIRCUIT DIAGRAM

• DVD P.C. BOARD(SOLDER SIDE)



TP201	B5	TP306	C7	TP363	A7
TP202	C5	TP307	C7	TP365	C8
TP205	C4	TP308	C7	TP366	C8
TP206	C4	TP309	C7	TP367	C8
TP212	B4	TP310	C7	TP369	C8
TP213	B4	TP311	C7	TP370	C8
TP214	B4	TP312	B7	TP506	E7
TP215	B4	TP313	C7	TP509	D6
TP233	C4	TP314	B8	TP510	C8
TP234	C4	TP315	C7	TP511	D8
TP240	C4	TP316	B7	TP512	C8
TP241	B4	TP317	C7	TP513	F7
TP245	C6	TP318	B7	TP514	B8
TP260	C3	TP319	B7	TP515	C7
TP261	B5	TP320	B8	TP516	G6
TP264	B4	TP322	A7	TP517	G6
TP265	B4	TP323	B8	TP518	G7
TP267	B4	TP324	B8	TP519	G6
TP268	A4	TP325	B8	TP520	C8
TP269	A4	TP326	B8	TP521	G8
TP270	B4	TP327	B8	TP522	D8
TP2A0	B3	TP328	B8	TP523	C6
TP2A1	C2	TP329	B8	TP524	C6
TP2A2	C2	TP330	B8	TP525	F6
TP2A3	C2	TP331	B8	TP526	F6
TP2A4	C2	TP332	B8	TP527	F6
TP2A5	A2	TP333	B8	TP528	F6
TP2A6	C2	TP334	B8	TP529	F6
TP2A7	C3	TP335	B8	TP530	F6
TP2A8	C3	TP336	B8	TP531	F6
TP2A9	C3	TP337	B8	TP532	F6
TP2T0	B5	TP338	B8	TP533	F6
TP2T1	C5	TP339	B8	TP534	F6
TP2T2	C6	TP340	B8	TP535	F6
TP2T3	C5	TP341	B8	TP536	F6
TP301	C7	TP342	B7	TP540	E8
TP303	C7	TP344	C8	TP541	E8
TP304	B7	TP345	D8		
TP305	C7	TP346	D8		

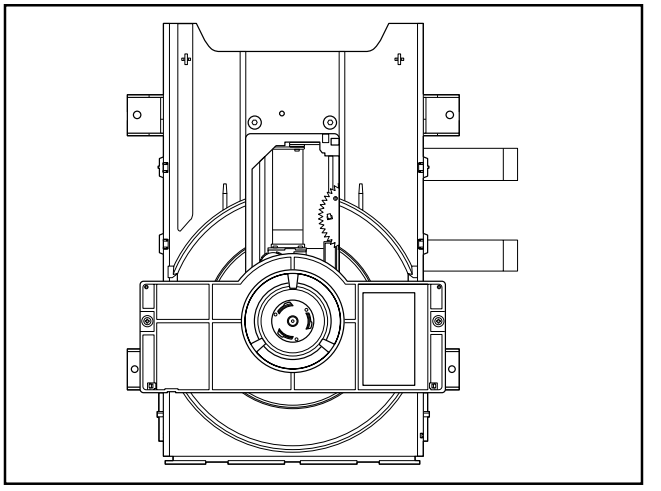
• DVD P.C. BOARD(COMPONENT SIDE)

C201	04	C286	04	C2M4	L3	C526	J7	L502	J4	R291	M5	R2M1	L3	R361	07				
C202	L2	C287	M3	C2M5	K3	C527	J7	L503	I3	R2A1	L1	R2M2	L3	R362	07				
C203	N5	C288	M3	C2M6	K2	C528	J7	L504	I3	R2A6	N2	R2M3	L3	R363	07				
C204	M5	C290	L5	C2M7	L2	C529	J7	L505	J2	R2A9	02	R2M5	L3	R364	L8				
C205	M3	C291	M5	C2M8	L2	C530	I7	L506	J5	R2B0	K1	R2M6	L3	R365	L8				
C206	M5	C292	M5	C2M9	K2	C531	I7	P3301	07	R2B1	K1	R2M7	L3	R366	L8				
C207	N3	C293	06	C2N1	L2	C532	I7	P5101	H3	R2B2	K1	R2M8	L3	R367	L8				
C208	N3	C294	N6	C2N3	K3	C533	I6	P5501	J1	R2B3	K1	R2M9	L3	R368	L8				
C209	N3	C295	M6	C2N4	K2	C534	I6	PMD02	L1	R2B4	K1	R2N0	L3	R3F1	M8				
C210	M4	C296	N6	C301	L7	C535	I6	PMD03	H5	R2B5	M1	R2N1	K3	R3F2	N8				
C211	M3	C2A0	N2	C302	M7	C536	I6	Q2A1	K1	R2B6	M1	R2N2	K3	R3F3	N7				
C212	M3	C2A3	N1	C303	M7	C538	J3	Q2A2	M1	R2B7	M1	R2N3	K3	R3F4	N7				
C213	M4	C2A4	N1	C304	N8	C539	L7	Q2A5	N2	R2B8	M1	R2N4	K3	R3F5	N8				
C214	N3	C2A5	N1	C305	M8	C540	K6	Q2A6	N2	R2B9	01	R2N5	K3	R501	J8				
C215	04	C2A6	N1	C306	L7	C541	K7	Q2M1	K2	R2C0	02	R2N6	K3	R504	K7				
C216	04	C2A7	N1	C307	I5	C542	J2	R201	M4	R2C4	N2	R2N7	K3	R505	K7				
C224	M4	C2A8	N1	C308	I3	C543	K7	R202	M2	R2C5	N2	R2N8	I5	R506	K7				
C225	L4	C2A9	N1	C309	J3	C544	J2	R203	L2	R2C6	N1	R2N9	I5	R521	L7				
C226	L4	C2B0	N1	C314	I5	C551	I1	R204	L2	R2C7	N1	R2P0	K3	R522	L7				
C229	L4	C2B3	N2	C316	M8	C552	J2	R207	M5	R2C8	N1	R2P1	H5	R523	L7				
C230	M3	C2B4	N2	C317	J3	C553	J2	R217	04	R2C9	N1	R2P2	K2	R525	J5				
C231	M3	C2B5	N2	C318	J4	C554	J2	R218	04	R2D0	02	R2P3	K2	R531	I2				
C232	N3	C2B8	02	C319	I4	C555	J1	R219	04	R2D1	M1	R2P7	K3	R532	I2				
C238	03	C2B9	02	C320	I4	D201	M3	R220	04	R2D2	M1	R2P8	K2	R533	I2				
C239	04	C2C1	M1	C3F1	N7	D2A1	K1	R229	04	R2D3	N1	R2P9	K3	R534	J2				
C240	N3	C2C2	M1	C3F2	N7	D2A2	M1	R230	05	R2D4	N1	R2Q1	K2	R535	I2				
C242	04	C2C3	01	C501	J3	D2A3	N2	R231	05	R2D5	N2	R302	M8	R536	J2				
C245	04	C2C4	M2	C503	K7	IC201	N4	R232	05	R2D6	L1	R303	M8	R537	J2				
C251	M4	C2C5	M2	C504	J3	IC203	N6	R233	05	R2D8	01	R306	L7	R539	J1				
C252	L4	C2C6	M2	C506	J4	IC206	M5	R234	05	R2D9	01	R307	L8	R588	L7				
C253	L4	C2C7	M2	C507	J4	IC2A1	N2	R235	05	R2E6	N2	R308	L8	R589	L7				
C254	L4	C2C8	M2	C508	I5	IC2A2	L2	R236	05	R2E7	N2	R309	L7	R590	L7				
C255	L4	C2C9	M2	C509	I5	IC2A4	01	R237	05	R2E8	M2	R310	L8	R591	L7				
C258	L4	C2D0	J1	C510	J5	IC2M1	L2	R239	M5	R2E9	01	R317	L7	R597	08				
C260	N3	C2D1	M1	C511	J5	IC301	M8	R240	M6	R2F1	N2	R318	L8	TP216	N3				
C261	M6	C2D2	K1	C512	J5	IC305	J4	R241	M5	R2F2	N2	R319	L8	TP343	L8				
C262	06	C2D3	M1	C513	J5	IC3F1	N8	R242	M6	R2F3	N2	R320	L8	TP347	L8				
C263	M6	C2D4	K1	C514	J5	IC501	J6	R243	M6	R2F4	N2	R321	M8	TP348	M8				
C264	M6	C2D5	K1	C515	K5	IC502	J2	R252	N3	R2F5	M1	R350	06	TP349	M8				
C265	06	C2D6	K1	C516	K5	IC506	I3	R273	04	R2F6	M2	R351	06	TP501	K6				
C272	M4	C2D7	01	C517	K5	L201	N3	R274	04	R2F7	M2	R352	N7	X201	M5				
C273	M4	C2D9	N1	C518	K6	L203	N3	R275	04	R2F8	M2	R353	N7	X501	K6				
C274	M3	C2E1	M1	C519	K6	L206	M6	R276	03	R2F9	M2	R354	N7						
C278	N3	C2E2	M1	C520	K6	L207	L3	R277	04	R2G1	M2	R355	N7						
C279	04	C2E3	M1	C521	K6	L2A1	M2	R278	M4	R2G2	M2	R356	07						
C280	N3	C2E4	M1	C522	K7	L2A2	K1	R279	M4	R2G3	M2	R357	07						
C281	04	C2M1	K2	C523	J4	L301	L7	R281	M5	R2G4	M2	R358	07						
C284	M2	C2M2	L3	C524	K6	L302	J4	R282	M3	R2G7	M2	R359	07						
C285	04	C2M3	L3	C525	K7	L3F1	N7	R290	05	R2G9	N2	R360	07						

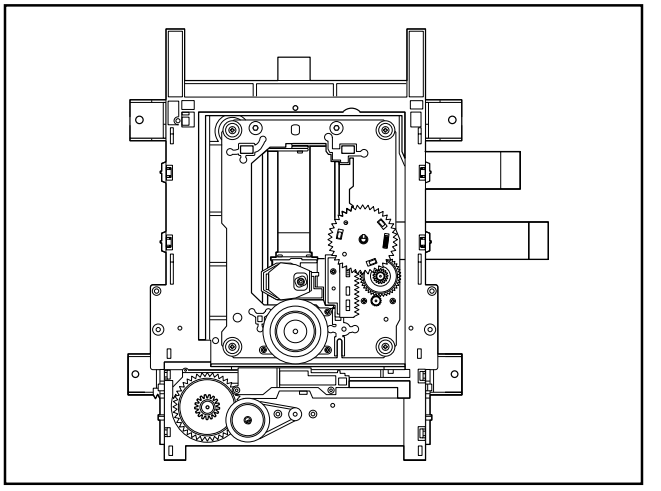
SECTION 4. MECHANSIM

■ DECK MECHANISM PARTS LOCKATION

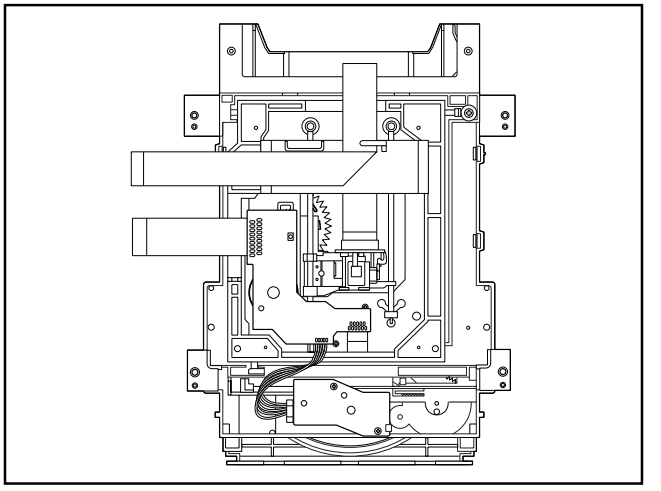
• Top View(With Tray)



• Top View(Without Tray)



• Bottom View



Procedure Starting No.		Parts	Fixing Type	Disassembly	Figure
	1	Holder Clamp	2 Screws, 2 Locking Tabs		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 Assembly 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 Assembly 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, 13, 14	16	Guide Up/Down			4-4
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

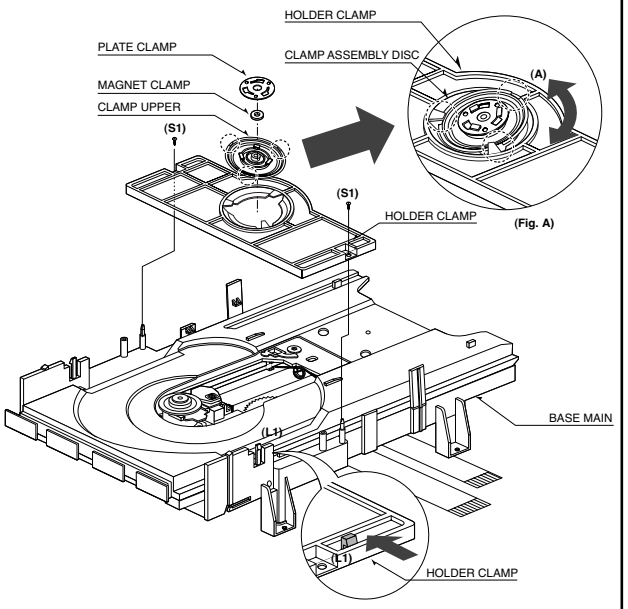


Fig. 4-1

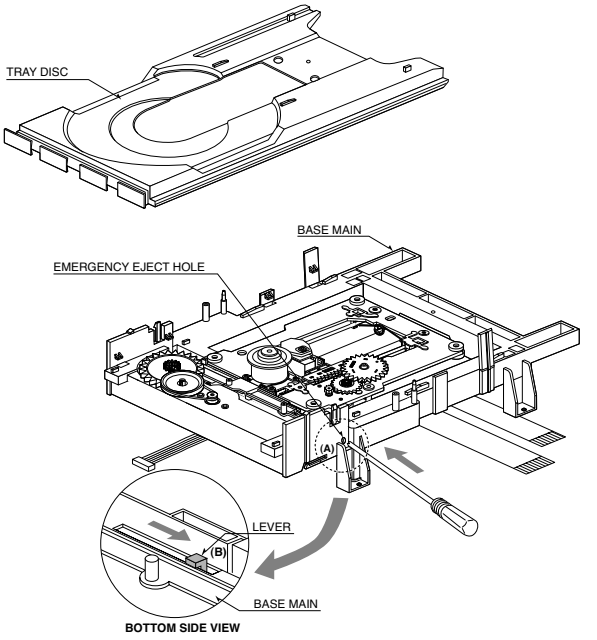


Fig. 4-2

1. Holder Clamp (Fig. 4-1)

1) Release 2 Screws(S1).
2) Unhook 2 Locking Tabs(L1).
3) Lift up the Holder Clamp and then separate it from the Base Main.

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.

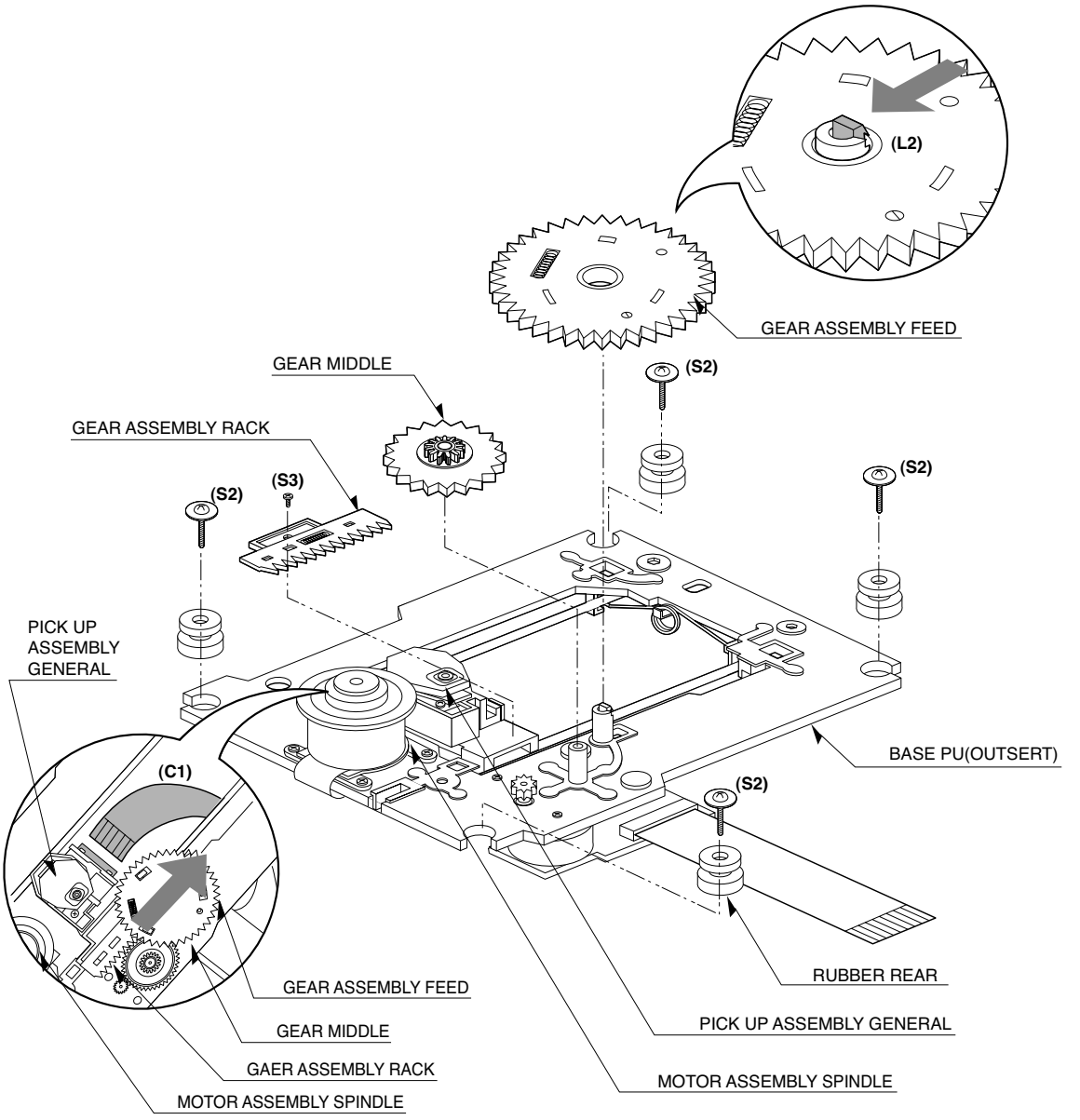


Fig. 4-3

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

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

3-1. Gear Assembly Feed

1) Unhook the Locking Tab(L2) in direction of arrow.

3-2. Gear Middle

3-3. Gear Assembly Rack

1) Release the Scerw(S3)

4. Rubber Rear (Fig. 4-3)

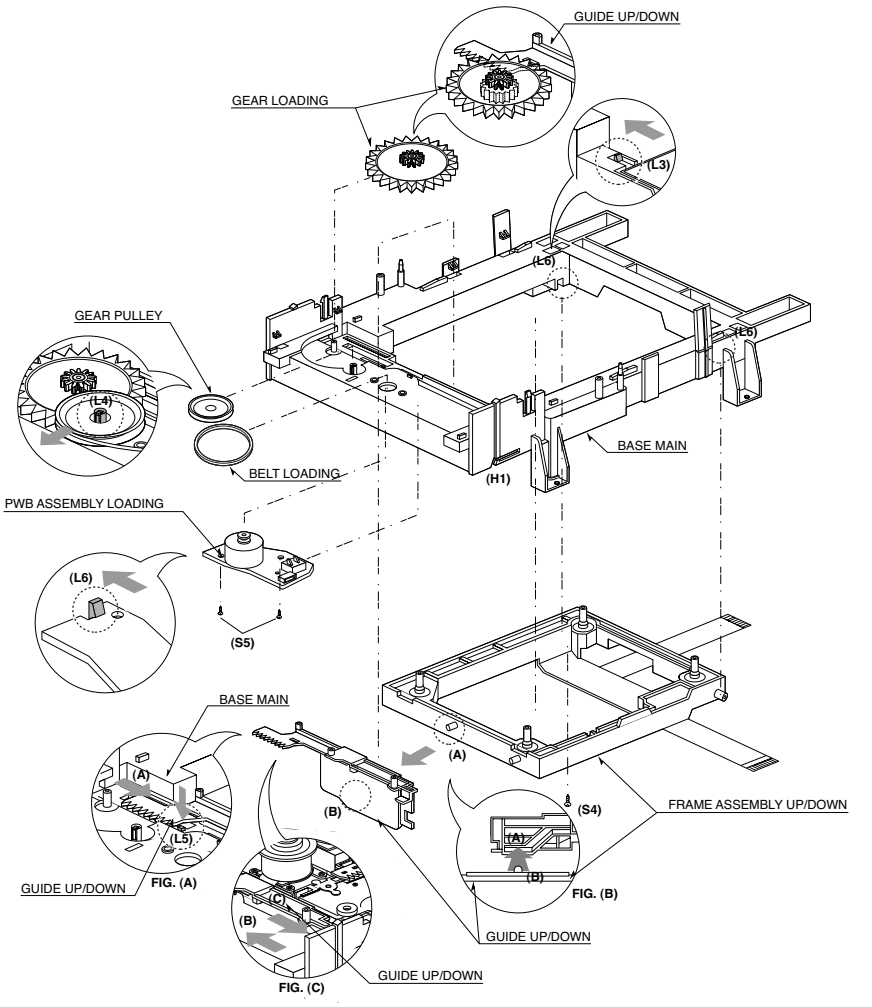


Fig. 4-4

5. Frame Assembly Up/Down

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 Assembly 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

Note

Put the Base Main face down(Bottom Side)

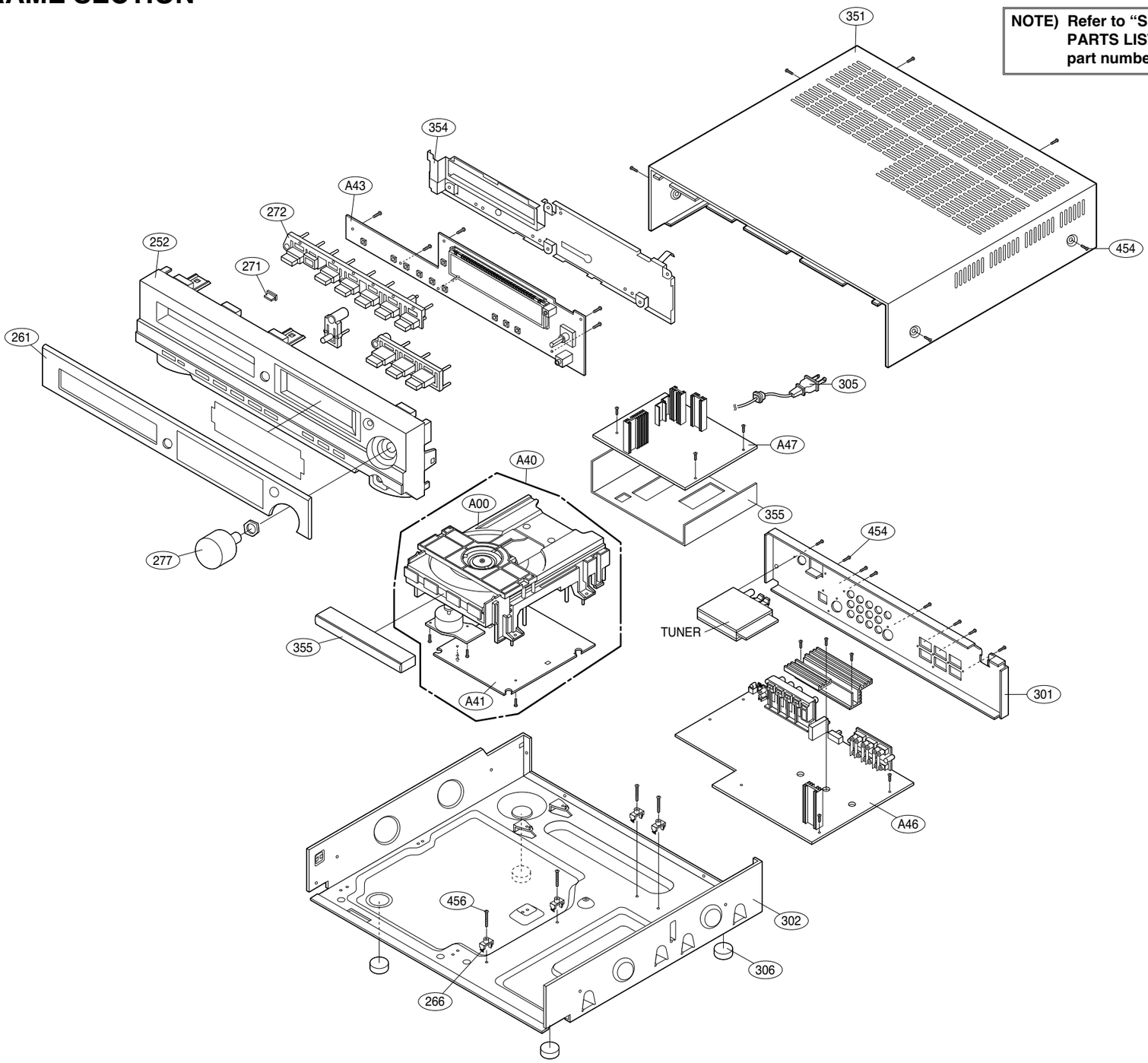
1) Release 2 Screws(S5)
2) Unkool the Loading Motor Connector (C2) from the Hook (H1) on the Base Main.
3) Unlock 2 Locking Tabs(L6) and separate the PWB Assembly Loading from the Base Main.

11. Base Main(Fig. 4-4)

SECTION 5. EXPLODED VIEWS

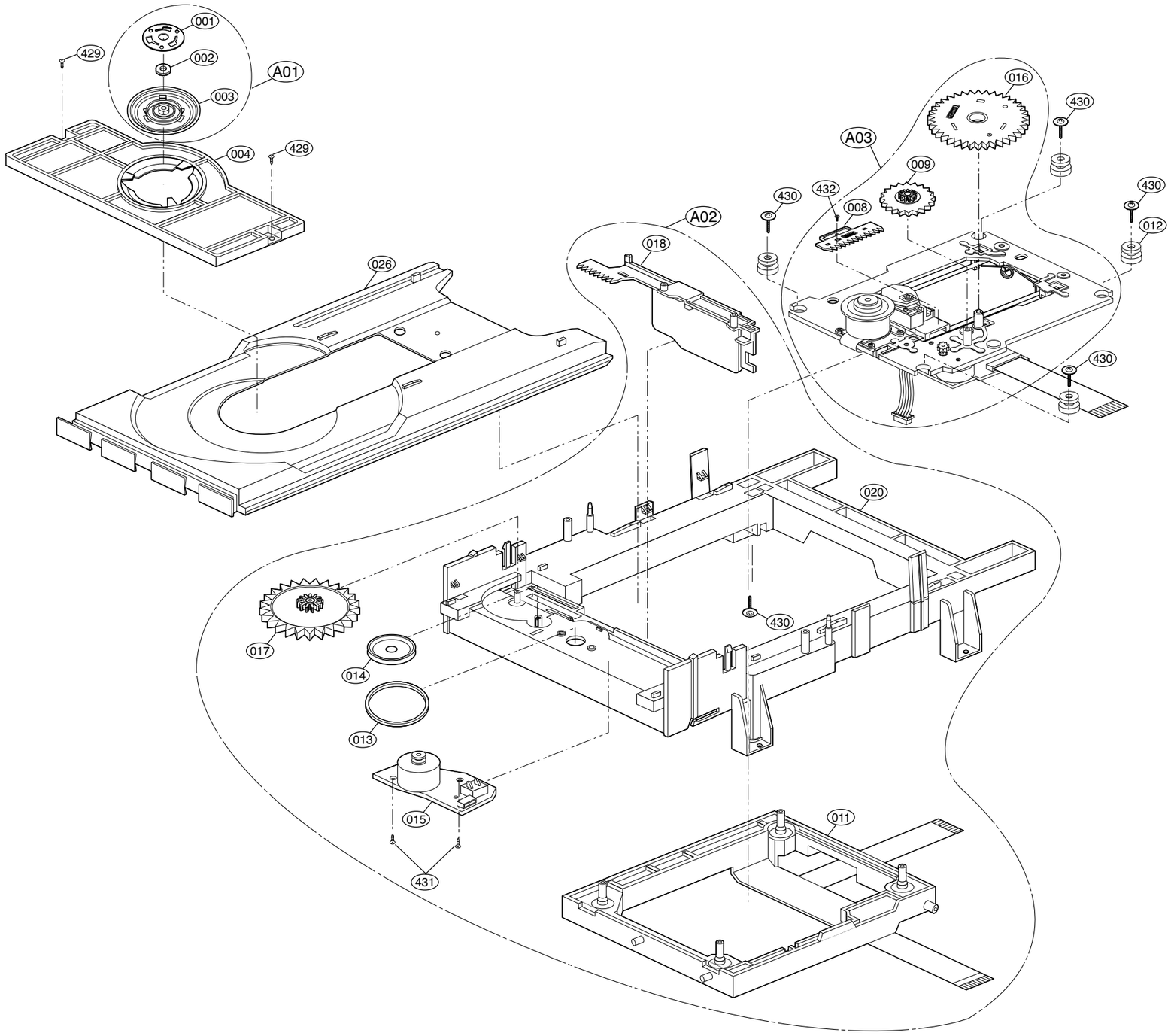
• CABINET AND MAIN FRAME SECTION

NOTE) Refer to "SECTION 7 REPLACEMENT PARTS LIST" in order to look for the part number of each part.



5-1 5-2

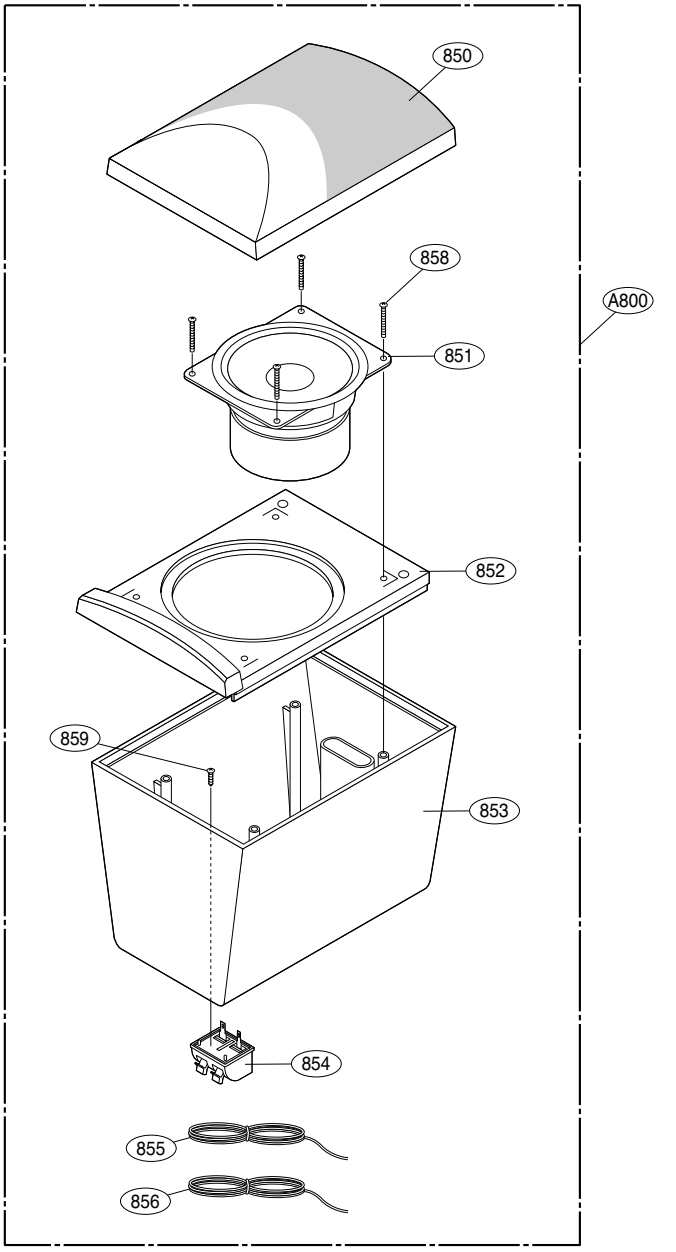
• Deck Mechanism Exploded View



LOCA.NO.	PART NO	DESCRIPTION	SPECIFICATION
A00	6721RJ0354A	DECK ASSEMBLY,VIDEO	DP-5RM MULTI -HZ
A01	4861R-0006B	CLAMP ASSEMBLY	DISC(DP2)-SH
A02	3041R-0057A	BASE ASSEMBLY	MAIN(DP-4R MULTI)-HZ
A03	3041R-D001A	BASE ASSEMBLY	DP5 MULTI (SLED)- HZ
001	3300R-0547A	PLATE	CLAMP
002	5016H-1016B	MAGNET	CLAMP(LDM-R608,10*5,1*1.5T)
003	4860R-0006A	CLAMP	UPPER
004	4930R-0171A	HOLDER	CLAMP
008	4470R-0047A	GEAR	ASSY RACK
009	4470R-0053A	GEAR	MIDDLE
011	3210R-0058A	FRAME	UP/D (MULTI)
012	5040R-0047B	RUBBER	DAMPER(E2,5040H-1054A),CHUNPOO
012A	5040R-0047D	RUBBER	DAMPER(HARDNESS=30),DARKGREEN
013	4400R-0006A	BELT	LOADING
014	4470R-0055A	GEAR	PULLEY
015	6871R-4415E	PWB(PCB) ASSEMBLY,TOTAL	LOADING DP-4R MULTI HZ
016	4470R-0050A	GEAR	ASSY FEED
017	4470R-0056A	GEAR	LOADING
018	4974R-0023A	GUIDE	UP/DOWN
020	3040R-0076A	BASE	MAIN(DP-5RM MULTI)
026	3390R-0012A	TRAY	DISC(DP-5RM MULTI)
429	1SZZR-0012A	SCREW,	B-TITE
430	1SZZH-1003A	SCREW,	+ D2.0 6MM SWRCH16A/NIY 4.5MM
431	1SZZH-1007B	SCREW,DRAWING	+ D2.0 6MM SWRCH16A/ZNBK 4MM 1
432	1SZZR-0011A	SCREW,	MACHINE

SECTION 6. SPEAKER PART

MODEL: FE-3620TE

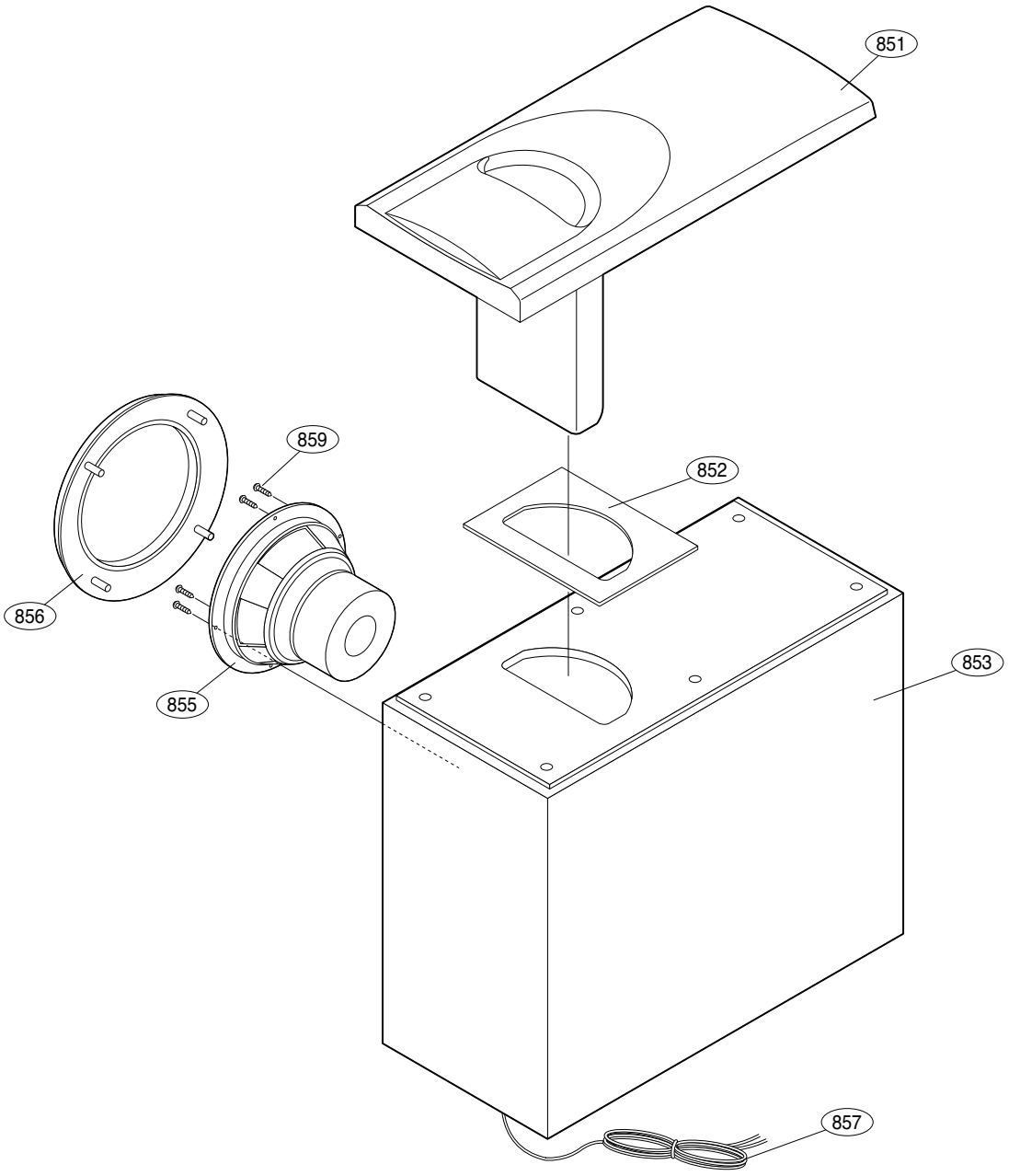


RUN DATE : 13.FEBRUARY.2003

LOCA.NO.	PART NO.	DESCRIPTON	SPECIFICATION	REMARKS
850	3701RM0022A	NET ASSEMBLY	ASSY FE-3620TE STANDARD	
851	6400RMSC02B	SPEAKER,FULLRANGE	MSF-30SB30L-1 SAMMI FULL-RANGE	
852	3720RMF026A	PANEL,FRONT	FRONT FE-3620TE STANDARD	
853	3110RM0009A	CASE	REAR FE-3620TE STANDARD	
854	6871RU4116B	PWB(PCB) ASSEMBLY,SUBSET(AUDIO	FE-3620TE 2P NEW TERMINAL 150M	
855	6871RU4117E	PWB(PCB) ASSEMBLY,SUBSET(AUDIO	FE-3620TE HOUSING +0.16 11C 5M	
856	6871RU4117F	PWB(PCB) ASSEMBLY,SUBSET(AUDIO	FE-3620TE HOUSING +0.16 11C 10	
857	3806RM0006B	DECO	FE-3620TE AIR PLATE	
858	353M025U	SCREW,DRAWING	+ 2 D3.0 L27.0 MSWR3/FZB	
859	353M025G	SCREW	TAPTITE, 3X10 FZMY	
A800	6401RM0001A	SPEAKER ASSEMBLY	CW-165B30L-1 SAMMI FE-3620TE S	

SECTION 6. SPEAKER PART

MODEL: FE-3620WE



RUN DATE : 13.FEBRUARY.2003

LOCA.NO.	PART NO.	DESCRIPTON	SPECIFICATION	REMARKS
851	3720RMF027A	PANEL,FRONT	FRONT FE-3620WE STANDARD	
852	4766RM0006B	FELT	DUCT FE-3620WE 320X10X1T BLACK	
853	3091RMW010G	CABINET ASSEMBLY	ASSY,FE-3620WE BF/BB E-1 9T C	
855	6400RMSJ02B	SPEAKER,WOOFER	CW-165B30L-1 SAMMI WOOFER 3620	
856	3701RM0005C	NET ASSEMBLY	ASSY, FE-3620WE STANDARD	
857	6871RU3091D	PWB(PCB) ASSEMBLY,SUBSET(AUDIO	FE-3620WE HOUSING +AWG 24 2.5M	
859	353M050C	SCREW	BH 3.5X16 FBK	