

KDV-C810/C820/ C830/C840/C860

SERVICE MANUAL

About the handling after repair (for transportation)

Please after repair for the units you must be internalized elevator mechanism of most below position (for magazine pack eject position) and always attach CAUTION CARD and STEPPED SCREW (for transportation). In order to make an elevator mechanism downed.

PANEL ASSY

A64-2965-08 : K type, A64-2966-08 : E type

A64-2967-08 : M type, A64-2968-08 : X type

A64-2969-08 : C type

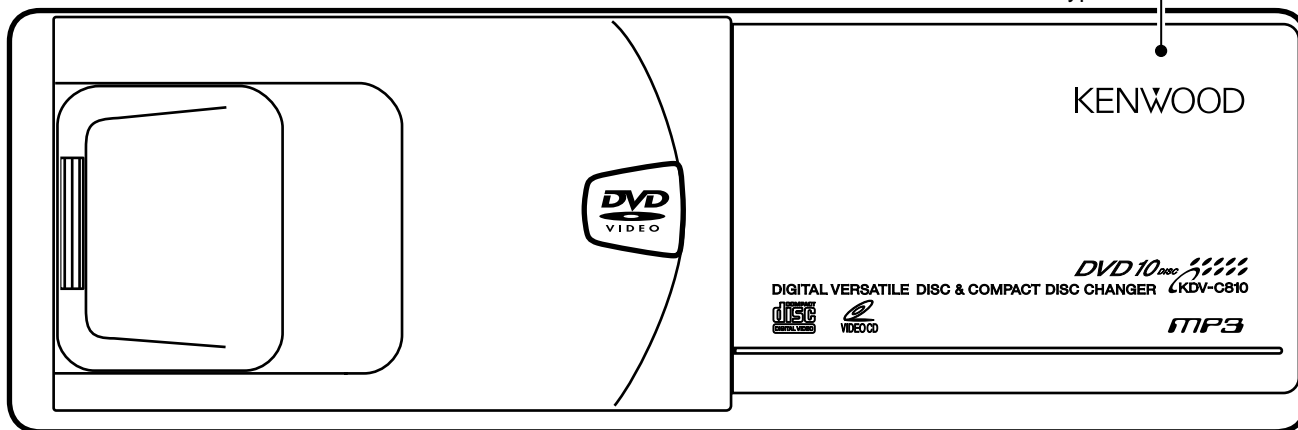
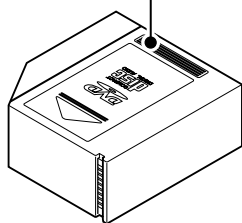
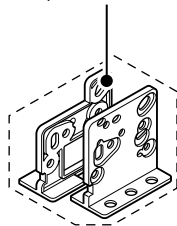


Illustration is KDV-C810

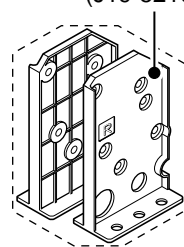
MAGAZINE PACK ASSY
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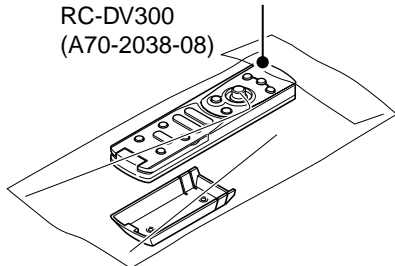
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(J19-5209-08)



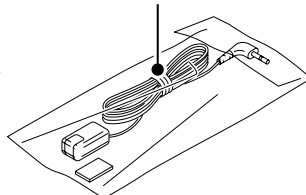
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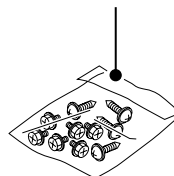
REMOTE CONTROL ASSY
RC-DV300
(A70-2038-08)



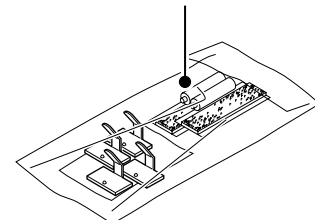
REMOTE CONTROL
SENSOR ASSY
(T95-0235-05)



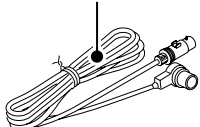
SCREW SET
(N99-1732-08)



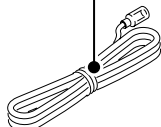
MOUNTING PARTS SET
(W06-0745-08)



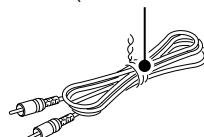
CORD WITH PLUG
(E30-6124-05)



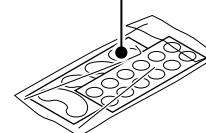
DC CORD
(E30-6148-08)



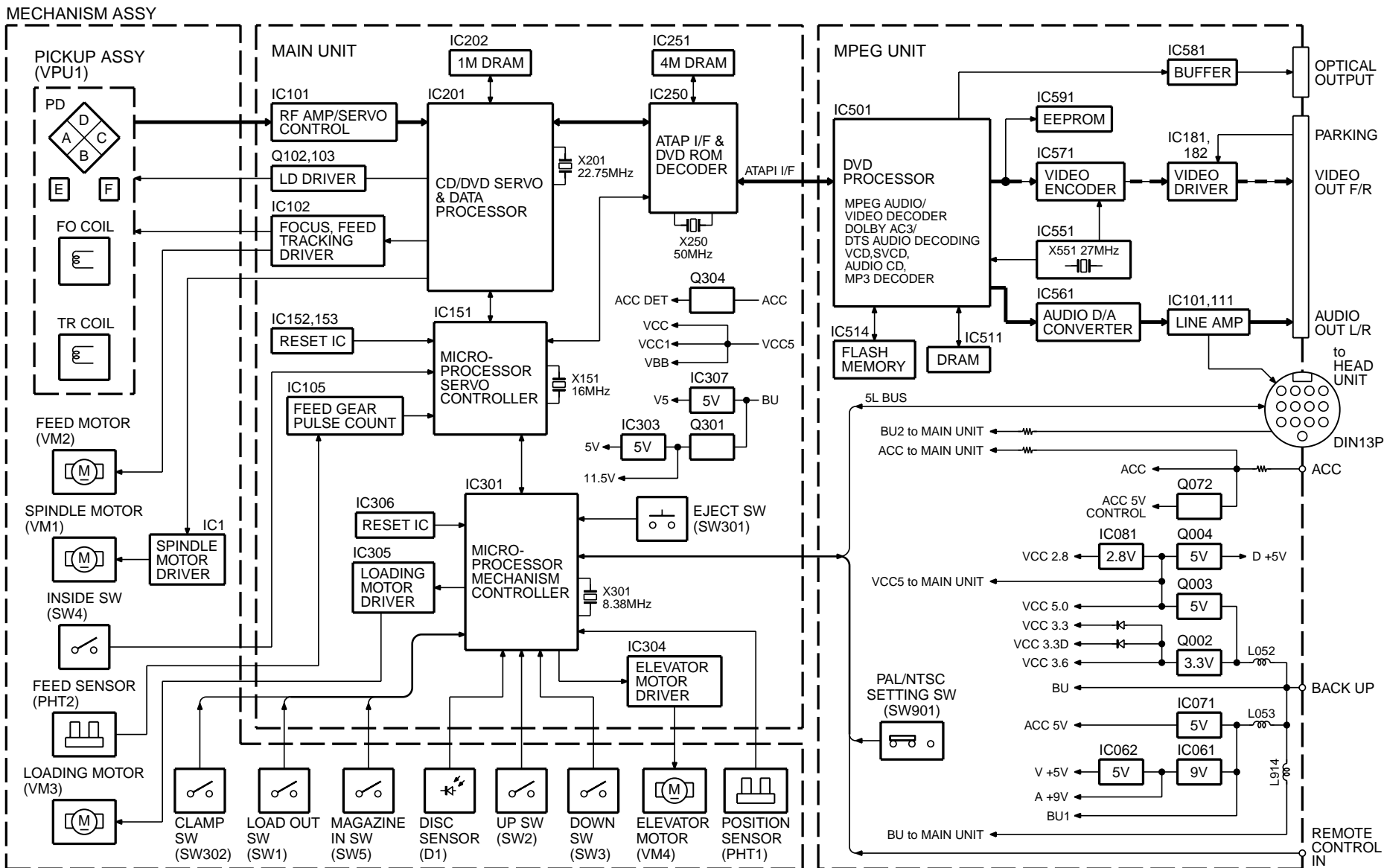
VIDEO CORD
(E30-6149-08)



PROTECTION SHEET
(H21-1146-08)



BLOCK DIAGRAM



COMPONENTS DESCRIPTION

MECHANISM (SWITCH / SENSOR / MOTOR)

Ref.No.	Component Name	Application/Function	Operation/Condition/Compatibility
SW1	S68-0858-08	LOAD OUT SW	Disc tray return (magazine pack side) detect switch
SW2	S68-0858-08	UP SW	Elevator unit topmost part (disc 1) detect switch
SW3	S68-0858-08	DOWN SW	Elevator unit lowermost part (magazine eject position) detect switch
SW4	S68-0878-08	INSIDE SW	Pickup unit inside position detect switch
SW5	S68-0858-08	MAGAZINE IN SW	Magazine pack in detection switch
SW302	S74-0820-08	CLAMP SW	Disc clamp operation end switch
VM1	-	SPINDLE MOTOR	Disc rotation drive motor
VM2	T42-1079-08	FEED MOTOR	Pickup unit drive motor (Feed motor)
VM3	T42-1080-08	LOADING MOTOR	Disc tray loading / unloading drive motor
VM4	T42-1078-08	ELEVATOR MOTOR	Elevator mechanism part drive motor
VPU1	T25-0227-08	LASER PICKUP	2 Laser pickup unit
PHT1	T95-0256-08	POSITION SENSOR	Magazine tray position detect photointerruptor
PHT2	-	FEED SENSOR	Feed motor rotation detect photointerruptor
LED1	AN1102W-3	LED	LED for disc detection
IC1	BA6849FP-Y	SPINDLE MOTOR DRIVER	Spindle motor driver

MAIN UNIT

Ref.No.	Component Name	Application/Function	Operation/Condition/Compatibility
IC101	TA1293F	RF AMP/SERVO CONTROL	RF amplifier / Servo control IC
IC102	BA5918FP-Y	FOCUS/TRACKING/FEED DRIVER	Focus/ Tracking coil, Feed motor driver
IC105	TC75S51F	PULSE COUNT	Feed motor rotation detection comparator
IC151	HD64F3039TEBL1	MICROPROCESSOR (SERVO CONTROLLER)	Servo IC control microprocessor
IC103	RN5RG33AA	+3.3V AVR	3.3V regulator IC
IC104	MMD2P01HD	+5.0V AVR	5.0V regulator IC
IC152	TC7ST08FU	BUFFER	Reset signal buffer IC
IC153	IC-PST597EN	RESET REGULATOR	Reset signal regulator IC
IC154	TC7WU04FU	BUFFER	ATAPI interface buffer IC
IC108	LM50CIM3	TEMP DETECTOR	Temperature detection thermistor
IC201	TC9453AF	CD/DVD SERVO & DATA PROCESSOR	Digital-servo control IC
IC202	LH61665AS-60E2	DATA BUFFER DRAM	Data buffer DRAM
IC250	TC9469BF	ATAPI I/F & DVD ROM DECODER	ATAPI interface & DVD decoder
IC251	MSM514265C50TS	DATA BUFFER DRAM	Data buffer DRAM
IC301	UPD78F0034AGK9	MICROPROCESSOR (MECHANISM CONTROL)	Mechanism control microprocessor
IC302	S-24C04BFJ	EEPROM	Disc information data memory
IC303	L78M05TL	+5.0V AVR	5.0V regulator IC
IC304	BA6289F	ELEVATOR MOTOR DRIVER	Elevator motor driver
IC305	BA6289F	LOADING MOTOR DRIVER	Loading motor driver
IC306	S-80732AN-DW	RESET IC	Reset IC
IC307	S81250HG-RD	+5.0V AVR	5V power supply regulator IC for Microprocessor
IC308	S-80732AN-DW	BATTERY DETECTOR	Battery voltage detection IC
Q101	2SB1424-R	CURRENT DRIVE	3.3V current drive transistor
Q102	2SA1338-5	DVD LD DRIVE	Laser diode power supply for DVD
Q103	2SA1338-5	CD LD DRIVE	Laser diode power supply for CD
Q151	DTA114YUA	SW	Flash rewriting permission changeover switch
Q152	2SA1338-5	DVD LD DRIVE	DVD laser high frequency superposition circuit on-switch

COMPONENTS DESCRIPTION

Ref.No.	Component Name	Application/Function	Operation/Condition/Compatibility
Q301	2SB1424-R	AVR FOR MECHANISM	Mechanism power supply
Q302	DTC114YK	POWER CONTROL SW	Mechanism power supply control switch
Q303	DTA114YK	ACC DETECTOR CONTROL SW	ACC detection transistor (At the time of ACC detection : H)
Q304	2SC2412K-R	ACC DETECTOR	ACC detection transistor (At the time of ACC detection : ON)
Q305	DTC124EK	RESET SW FOR MECHANISM	Mechanism control microcomputer (IC301) reset switch
Q307	2SC2412K-R	BATTERY DETECTOR	Battery detection IC (It turns on at the time of 13 pin connection)
SW301	S70-0900-08	EJECT SW	Magazine eject switch

MPEG UNIT

Ref.No.	Component Name	Application/Function	Operation/Condition/Compatibility
IC001	LTC1628CG	D/D CONVERTER	3.3V / 5.0 V D/D converter
IC061	PQ09DZ1U	+9.0V AVR	9.0V regulator IC
IC062	S81250HG-RD	+5.0V AVR	5.0V regulator IC
IC071	S81250HG-RD	+5.0V AVR	5.0V regulator IC
IC081	LM1117IMPX-ADJ	+2.8V AVR	2.8V regulator IC
IC101	NJM4565M-B	AUDIO SIGNAL BPF	Audio signal BPF filter
IC111	NJM4565M-B	AUDIO SIGNAL BPF	Audio signal BPF filter
IC171	NC7S04P5	INVERTER (MUTING)	Muting signal inverter
IC181	TK15405AM	VIDEO SIGNAL DRIVER	Video signal amp
IC182	TK15405AM	VIDEO SIGNAL DRIVER	Video signal amp
IC501	ES4428S	DVD PROCESSOR	MPEG 2 video, audio processing DSP
IC511	HY57V641620HGT	DRAM	MPEG 2 data memory
IC514	MX29F800TTC-90	FLASH MEMORY	System program memory
IC515	TC7S32FU	OR GATE	Signal selector IC
IC516	SN74AHC174PW-R	SELECTOR	Input selector IC
IC551	TC7WU04FU	27MHz OSC	Crystal oscillator buffer (27MHz)
IC561	PCM1716E	AUDIO SIGNAL D/A CONVERTER	Audio signal D/A converter
IC571	AK8812	VIDEO ENCODER	Video signal D/A converter
IC581	NC7ST08P5	DIGITAL OUT BUFFER	Digital out signal buffer
IC591	HN58X2408FPIZ	BACKUP MEMORY	Backup memory
Q001	2SA1622-6	SW	3.3V and 5.0V power supply Control
Q002	FDS8936A	+3.3V DRIVER	3.3V power supply drive
Q003	FDS8936A	+5.0V DRIVER	5.0V power supply drive
Q004	DTA113ZUA	+5.0V CONTROL SW	5.0V power supply control
Q051	DTC144EUA	CHANGER CONTROL SW	Changer control switch
Q052	DTA113ZUA	MUTING CONTROL SW	Muting signal ON/OFF
Q071	DTA114YUA	SW	Backup (BU) power supply ON/OFF
Q072	DTC144EUA/UMC2N	SW	Control of Q71
Q101,111, 151,161	DTC323TU	MUTING	Audio signal muting transistor.
Q171	DTA113ZUA	MUTING CONTROL SW	Muting transistor control (for Q111,161)
Q172	DTA113ZUA	MUTING CONTROL SW	Muting transistor control (for Q101,151)
Q181	DTC144EUA	PARKING SIGNAL DETECTOR	Parking brake signal control (Parking H)
Q182	2SB709A (R)	VIDEO SIGNAL BUFFER	Video signal buffer
SW901	S62-0868-08	PAL/NTSC SETTING SW	PAL/NTSC change-over switch (PAL : L / NTSC : H)
CT551	C05-0520-08	27MHz REF ADJ	Reference 27MHz adjustment trimmer

MICROCOMPUTER'S TERMINAL DESCRIPTION

IC151 (MAIN UNIT : SERVO CONTROL)

Pin No.	Pin Name	I/O	Purpose / Description	Processing Operation
1	/RST0	O	ATAPI I/F controller / DVD ROM decoder /reset output terminal	Reset terminal 104PIN of IC250 (Active L)
2	/RST1	O	CD/DVD Servo / Data processor reset output terminal	Reset terminal 48PIN of IC201 (Active L)
3	SPSTBY	O	Spindle motor driver power save output terminal	VM1 (spindle motor) control
7	MD2	I	Operation mode change input terminal	Connected to +5V
9	FLCNT	O	Flash memory write-in circuit ON output terminal	Control of Q151
10	SB	O	Spindle motor short brake output terminal	VM1 (spindle motor) control
12	VSS	-	GND	Connected to GND
14-20	D0-D7	I/O	CPU data bus terminal	IC201 and IC250 control data bus
21	VCC	-	Power supply input terminal	Connected to +5V
22-28	HA0-HA6	O	CPU address bus terminal	IC201 and IC250 address bus
30	VSS	-	GND	Connected to GND
31	SWA	I	Loading mechanism SWA input terminal	Connected to +5V
32	SWB	I	Loading mechanism SWB input terminal	Connected to +5V
33	LOEJKEY	I	Loading/eject key input terminal	Connected to +5V
34	INSIDE	I	Pickup inside detection (SW4) input terminal	Active L
37	CSEL	I	IDE cable selection input terminal	CSEL (7PIN) control signal of IC250
38	SWC	I	Loading mechanism SWC input terminal	Connected to +5V
40	/SRVDPCS	O	Servo / Data processor selection output terminal	SDCS (44PIN) selection control signal of IC201
41	/ATACS	O	ATAPI I/F controller / DVD ROM decoder selection output terminal	ATACS (98PIN) selection control signal of IC250
43	PCS	O	VRCK frequency demultiplier output terminal (RF AMP)	PSC (50PIN) control signal of IC101
44	MD0	I	Operation mode change input terminal	Connected to +5V
45	MD1	I	Operation mode change input terminal	Connected to GND
47	/STBY	I	CPU standby input terminal	Connected to +5V
48	/RES	I	CPU reset input terminal	System reset input of IC151 (ActiveL)
49	NMI	I	GND	Connected to GND
50	VSS	-	GND	Connected to GND
51	EXTAL	I	Crystal input terminal	X151 16MHz
52	XTAL	I	Crystal input terminal	X151 16MHz
53	VCC	-	Power supply input terminal	Connected to +5V
55	/RD	O	Lead control terminal	The bus control output of IC201 and IC250
56	/WR	O	Write control terminal	The bus control output of IC201 and IC250
57	FEW	I	Flash memory rewriting permission input	-
58	AVSS	-	GND	Connected to GND
59	FE	I	Focus error input terminal	-
60	LVL	I	Sub beam signal input terminal	-
61-64	TEST0-TEST3	I	Test mode input terminal	Not used for after service
65	TESTCNT	I	Temperature sensor input terminal	-
67	AVCC	-	Power supply input terminal	Connected to +5V
68	/ATAINT	I	ATAPI I/F controller / DVD ROM decoder request signal input terminal	Request signal input from 102PIN of IC250

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Purpose / Description	Processing Operation
69	/SRVDPINT	I	CD/DVD Servo / data processor request signal input terminal	Request signal input from 45PIN of IC201
70	TXD	O	Serial data transformer terminal (for debugging)	Not used for after service
71	RXD	I	Serial data receive terminal (for debugging)	Not used for after service
73	ENCODER	I	Encoder pulse input terminal	Feed sensor pulse input terminal (PHT2)
74	/PWRDWN1	O	Analog 5V Power down control output terminal	Control of the power down of IC 104 (Active H)
75	/PWRDWN2	O	Digital 5V Power down control output terminal	Control of the power down of IC 104 (Active H)
76	STBY	O	BTL driver muting output terminal	Control of the driver of IC 102 (Active H)
79	RFMVON	O	Laser high frequency superposition circuit control output terminal	Control of the driver-on Q152
4,5,6,8, 11,29,39, 42,46,54, 66,72,77, 78,80	NC	-		(N.C) open
35,36	NC	-		(N.C) connected to +5V

IC301(MAIN UNIT : MECHANISM CONTROL)

Pin No.	Pin Name	I/O	Description	Processing Operation				
					STOP	LOAD	UNLOAD	BRAKE
1	LOAD+	O	Loading motor (+) output terminal	LOAD+	L	H	L	H
2	LOAD-	O	Loading motor (-) output terminal	LOAD-	L	H	H	H
				LOAD : DISC CLAMP, UNLOAD : Magazine pack return				
3	ELV+	O	Elevator motor (+) output terminal	ELV+	L	H	L	H
4	ELV-	O	Elevator motor (-) output terminal	ELV-	L	L	H	H
				UP : DISC10→1, DOWN : DISC1→10				
5	POWER	O	Power supply ON output terminal for mechanisms	Control of Q302 (Active H)				
6	MPEG+B	O	MPEG 2 power supply ON output terminal	Control of the power supply Q071 (Active H)				
7	CD+B	O	DVD changer mode output terminal	Control of the power supply IC 061 (Active H)				
8	SCL	O	Clock output terminal for EEPROM	IC302 (6PIN) EEPROM Clock output				
9	VSS0	-	GND	Connected to GND				
10	VDD0	-	Power supply input terminal	Connected to +5V				
11	SDA	O	Data output terminal for EEPROM	IC302 (5PIN) EEPROM Data output				
15	DATAH	I	DATAH	Kenwood bus				
16	DATAC	O	DATAC	Kenwood bus				
17	HCLK	I/O	HCLK	Kenwood bus				
18	MPDAI	I	Data input terminal from DVD processor	Data input terminal from 162PIN of IC501				
19	MPDAO	O	Data output terminal for DVD processor	Data output terminal for 168PIN of IC501				
20	MPCLK	O	Clock output terminal for DVD processor	Clock output terminal for 169PIN of IC501				
23	MPREQ	O	Request output terminal for DVD processor	Request output terminal for 166PIN of IC501				
24	VDD1	-	Power supply input terminal	Connected to +5V				

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Description	Processing Operation
25	AVSS	-	A/D grand terminal	Connected to GND
26	UPSW	I	Elevator up switch input terminal	Elevator up switch (SW2) input terminal (Active L)
27	LOWSW	I	Elevator down switch input terminal	Elevator down switch (SW3) input terminal (Active L)
28	LOADSW	I	Disc tray loading switch input terminal	Disc tray loading out switch (SW1) input terminal (Active L)
29	CLAMPSW	I	Disc clamp switch input terminal	Disc clamp switch (SW302) input terminal (Active L)
30	BUDET	I	Battery connection detection input terminal	Backup supply voltage detect input terminal (Active L)
31	DISC.C	I	Elevator position detection sensor input terminal	Position sensor (PHT1) input terminal
33	DISCON	I	Disc detection input terminal	Disc detection input terminal (Disc load : H)
34	AVREF	-	Analog reference voltage	Connected to +5V
35	AVDD	-	Analog power supply input terminal	Connected to +5V
36	RESET	I	Reset input terminal	System reset input terminal (Active L)
39	IC (Vpp)	-		(N.C) connected to GND
40	X2	I	Crystal input terminal	X301 8.38MHz
41	X1	I	Crystal input terminal	X301 8.38MHz
42	VSS1	-	GND	Connected to GND
43	BATT	I	Battery voltage detection input terminal	Battery low voltage detect input terminal
44	CE	I	ACC input terminal	ACC detect input terminal (Active H)
45	EJECT	I	Magazine Eject switch input terminal	Magazine Eject switch (SW301) input terminal (Active L)
46	CHCON	I	CHCON	Kenwood bus
47	REMOCON	I	Remote control signal input terminal	Remote control signal input
48	REQH	I	REQH	Kenwood bus
49	REQC	I	REQC	Kenwood bus
50	5LMUTE	O	Muting signal output terminal for muting line (5pin)	Mute line (5pin for DIN terminal) control (Active L)
51	SMUTE	O	Muting signal output terminal for audio muting line	Audio line muting for DIN 13pin line (Active H)
52	RCAMUTE	O	Audio muting control output terminal for RCA pin line	Audio line muting for RCA pin line (Active H)
55	/MPRST	O	Reset output terminal for DVD processor	System reset output for IC501,516,561,571
56	NTPASW	I	PAL/NTSC setting switch (SW901) input terminal	PAL : H, NTSC : L
64	/MAGZSW	I	Magazine in detection switch input terminal	Magazine in detection switch (SW5 : Active L)
12-14,21, 22,37,38, 53,57-63	NC	-		(N.C) open
32,54	NC	-		(N.C) connected to +5V

TIMING CHART OF MECHANISM OPERATION

Initialized operation (without any magazine pack).

After microcomputer reset starting moves an elevator position to the position of DISC1, and carries out initial operation.

- 1, Elevator motor control terminal ELV+ (3PIN) is set to L, ELV- (4PIN) is set to H, and an elevator position is moved downward.
- 2, UP SW (SW2 for IC301, 26PIN) checks H (SW2 is OFF position).

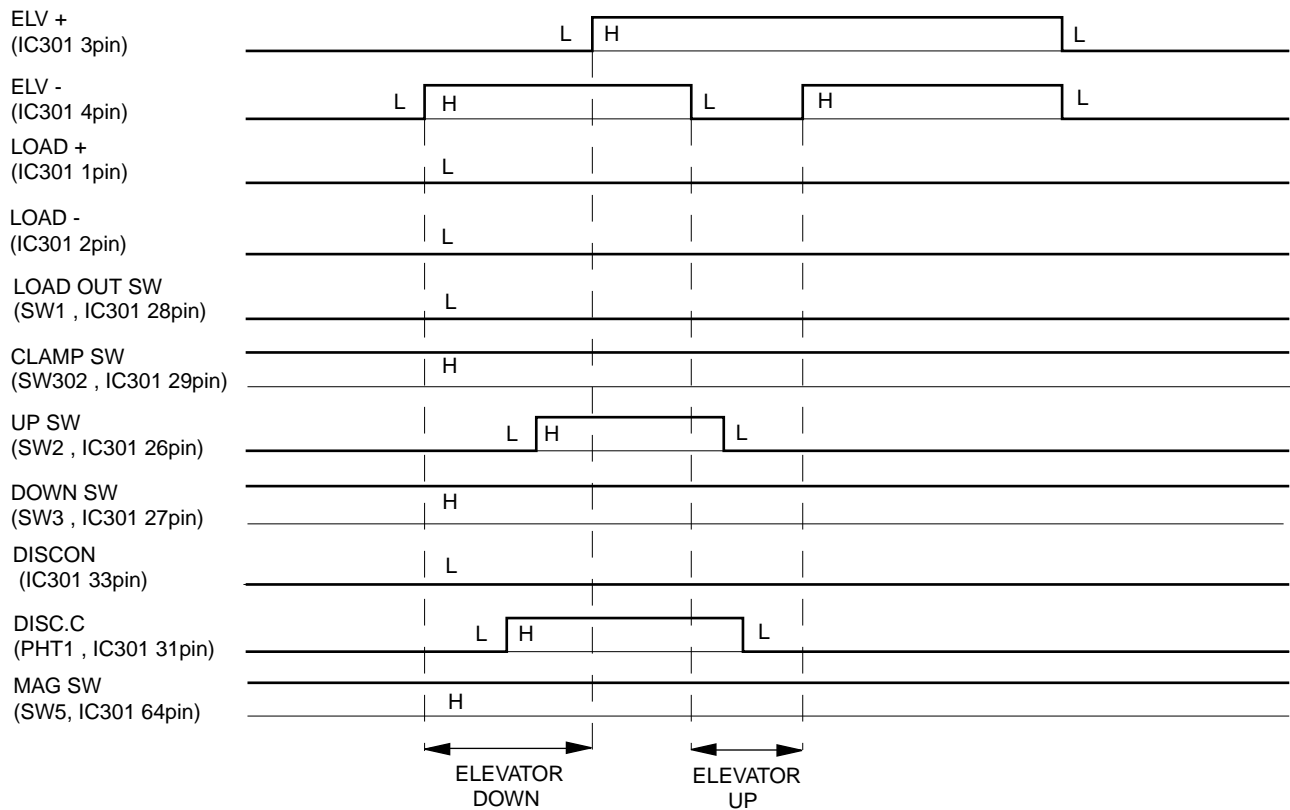
- 3, Elevator motor control terminal ELV+ (3PIN) is set to H, ELV- (4PIN) is set to L, and an elevator position is moved upward.

- 4, UP SW (SW2 for IC301, 26PIN) checks L (SW2 is ON position).

- 5, After checking DISCC (31PIN), and carries out DISC1 position detection (PHT1).

- 6, ELV+ (3PIN) and ELV- (4PIN) are set to H, and elevator operation is made to STOP.

Timing chart 1



TIMING CHART OF MECHANISM OPERATION

Magazine pack in (for disc clamp about DISC1).

Detection of insertion of a magazine pack checks whether an elevator position is in DISC1 (top position). Basic operation is the same as initial operation. Then, DISC1 is pulled out from a magazine pack and a disc clamp is carried out.

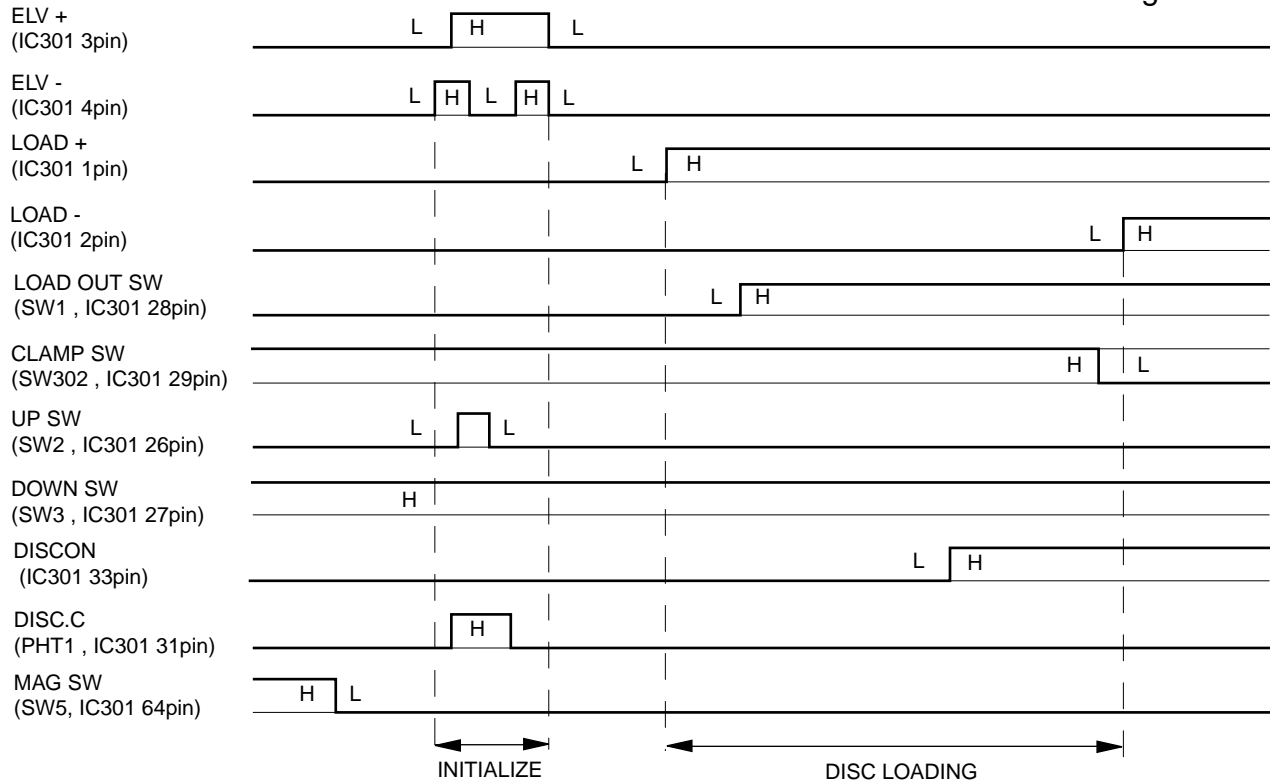
- 1, Detection for MAGSW (SW5 for IC301, 64PIN) checks L.
- 2, An elevator position and initial operation is performed.
- 3, LOAD+ (IC301, 1PIN) is set to H, LOAD- (IC301, 2PIN) is set to L, and DISC1 tray is pulled out from a magazine pack.
- 4, LOADING MOTOR (VM3) is driven until CLAMP SW (SW302) is set to L.
- 5, LOAD+ (IC301, 1PIN) and LOAD- (IC301, 2PIN) are set to H, and loading operation is made to STOP.

Operation for disc clamp after playback

A disc detection sensor (D1) performs the focus search, after that detection (DISCON H) for disc existence, and it goes into playback mode.

- 1, Laser ON.
- 2, Focus search ON.
- 3, Focus error detection. (for disc surface and recorded layer)
When FE of a recorded side is detected twice, it distinguishes from the two layer disk of DVDs. CD and DVD is distinguished by the time lag of FE detected from recorded side and disc surface. When distinguished from CD, the reflective level of a disc is detected and CD/CD-RW is distinguished.
- 4, Focus, Tracking servo ON.
Focus, Tracking offset, Focus, Tracking loop gain, Focus, Tracking balance and RF gain.
- 5, Automatic adjustment of circuit.
- 6, TOC information read-out.
- 7, Playback start.

Timing chart 2



TIMING CHART OF MECHANISM OPERATION

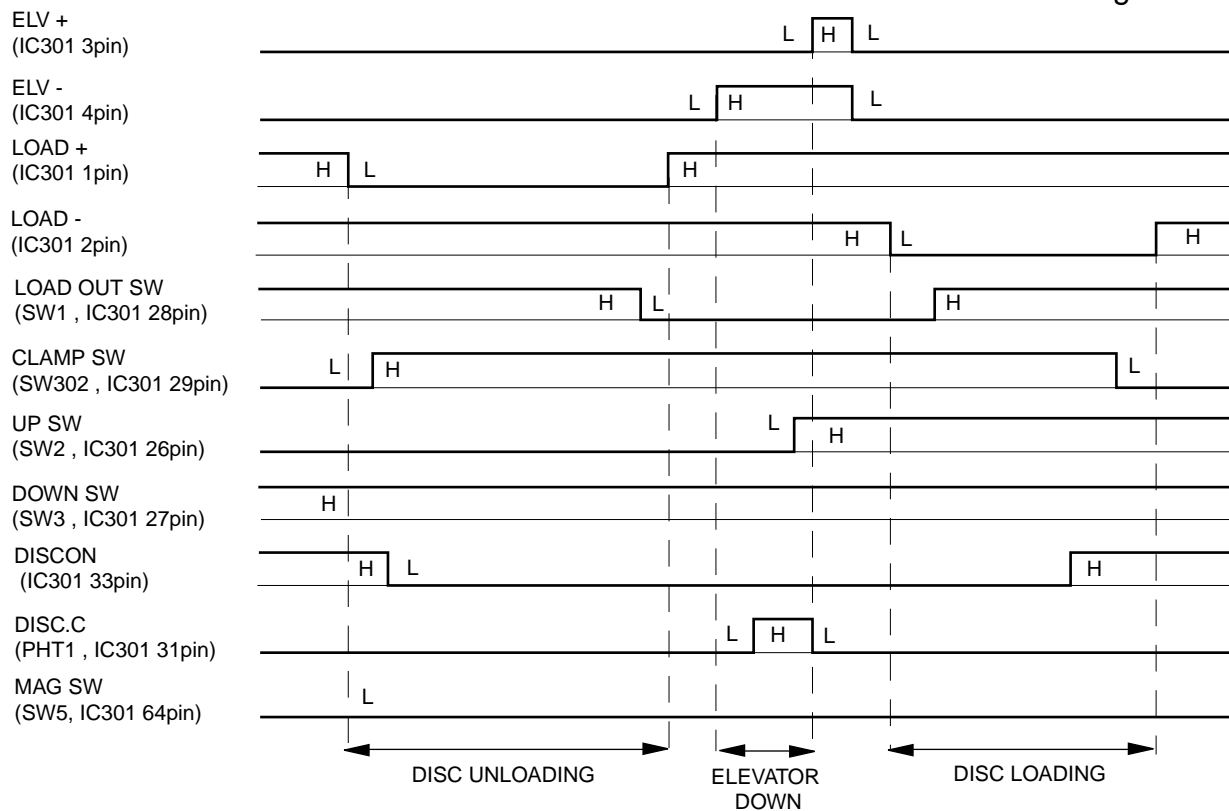
Disc change operation (for operation to out of DISC1 playback after change to DISC2).

If disc change command is received, the playback disc under present will be returned to the magazine pack. After that, the selected disc is pulled out of the magazine pack and disc tray is carried out.

- 1, LOAD+ (IC301, 1PIN) is set to L, LOAD- (IC301, 2PIN) is set to H, and DISC1 tray is returned to a magazine pack.
- 2, LOADING MOTOR (VM3) is driven until LOAD OUT SW (SW1 : IC301, 28PIN) is set to L.
- 3, ELV+ (3PIN) and ELV- (4PIN) are set to H, and elevator operation is made to STOP.
- 4, After checking DISCC (31PIN), and carries out DISC2 position detection (PHT1).

- 5, Check (PHT1) DISC2 position detection of the DISCC (31PIN) is carried out.
- 6, ELV+ (3PIN) and ELV- (4PIN) are set to H, and elevator operation is made to STOP.
- 7, LOAD+ (IC301, 1PIN) is set to H, LOAD- (IC301, 2PIN) is set to L, and DISC2 tray is pulled out from a magazine pack.
- 8, LOADING MOTOR (VM3) is driven until CLAMP SW (SW302 : IC301, 29PIN) is set to L.
- 9, LOAD+ (IC301, 1PIN) and LOAD- (IC301, 2PIN) are set to H, and loading operation is made to STOP.

Timing chart 3



TIMING CHART OF MECHANISM OPERATION

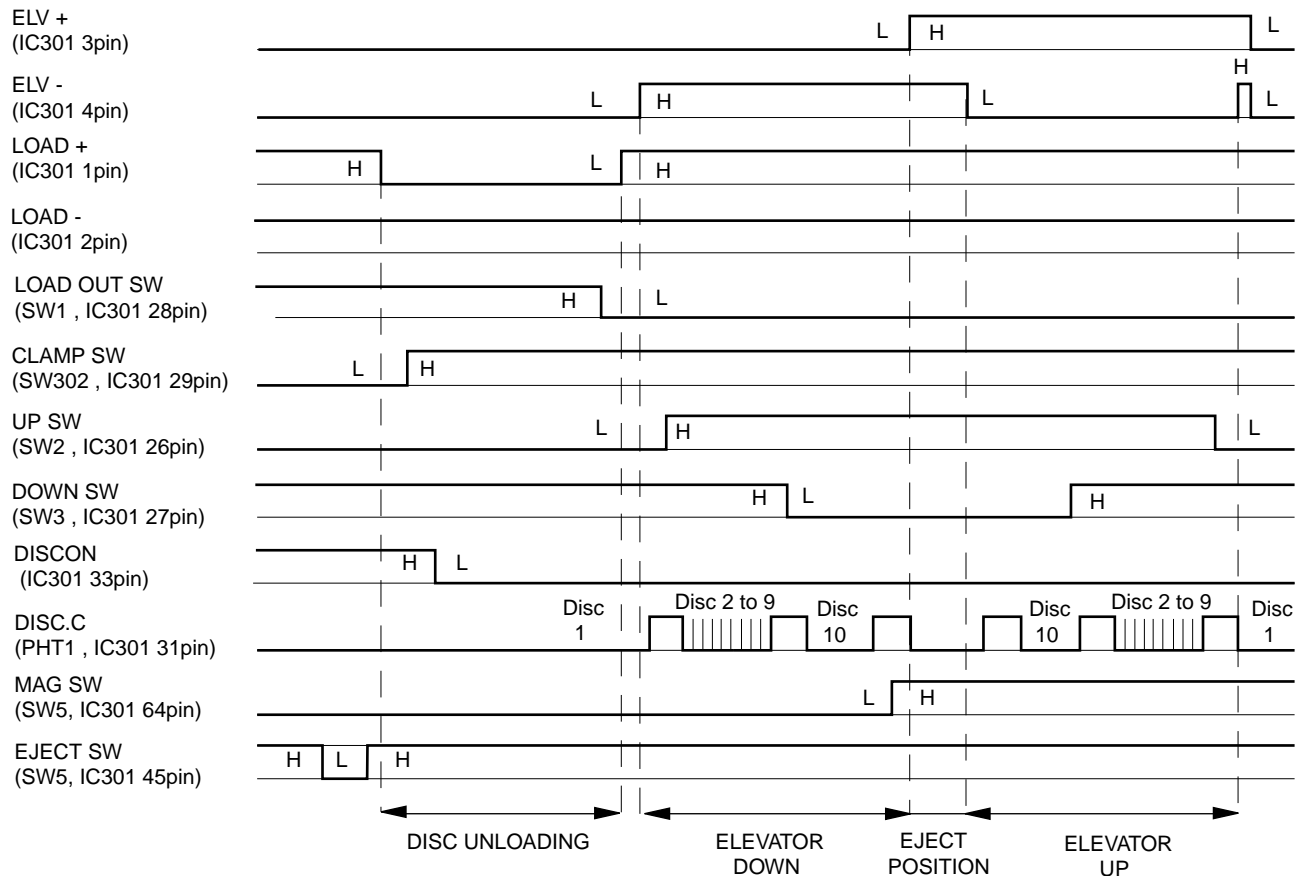
Magazine ejection operation (for operation to DISC1 playback after magazine pack eject)

If the input of EJECT SW (SW301) is detected, the playback disc under present will be returned to a magazine pack, an elevator mechanism part will be moved to an eject position (most below position), and a magazine pack will be discharged. After that, an elevator mechanism part is moved to DISC1.

- 1, LOAD+ (IC301 and 1PIN) is set to L, LOAD- (IC301, 2PIN) is set to H, and DISC1 tray is returned to a magazine pack.
- 2, LOADING MOTOR (VM3) is driven until LOAD OUT SW (SW1 : IC301, 28PIN) is set to L.
- 3, LOAD+ (IC301, 1PIN) and LOAD- (IC301, 2PIN) are set to H, and loading operation is made to STOP.
- 4, Elevator motor control terminal ELV+ (3PIN) is set to L, ELV- (4PIN) is set to H, and an elevator mechanism is moved downward.

- 5, ELEVATOR MOTOR (VM4) is driven until DOWN SW (SW3) is set to L.
- 6, EJECT position detection of the DISCC (31PIN) is carried out. H->L (it checks twice).
- 7, ELV+ (3PIN) and ELV- (4PIN) are set to H, and elevator operation is made to STOP.
- 8, After 2 seconds of magazine pack eject, elevator motor control terminal ELV+ (3PIN) is set to H, ELV- (4PIN) is set to L, and an elevator mechanism part is moved upward.
- 9, UP SW (SW2 for IC301, 26PIN) checks L.
- 10, After checking DISCC (31PIN) (PHT1), DISC1 position detection is carried out.
- 11, ELV+ (3PIN) and ELV- (4PIN) are set to H, and elevator operation is made to STOP.

Timing chart 4



ADJUSTMENT

●Setting for the unit condition as follows.

POWER ON : STOP

MPEG UNIT

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	SETTINGS	ALIGNMENT POINT	ALIGN FOR	FIG
1	27MHZ REFERENCE CLOCK	-	Connect a Frequency counter between 27MHz test point to GND.	STOP (POWER ON)	CT551	27MHz±0.1KHz	A

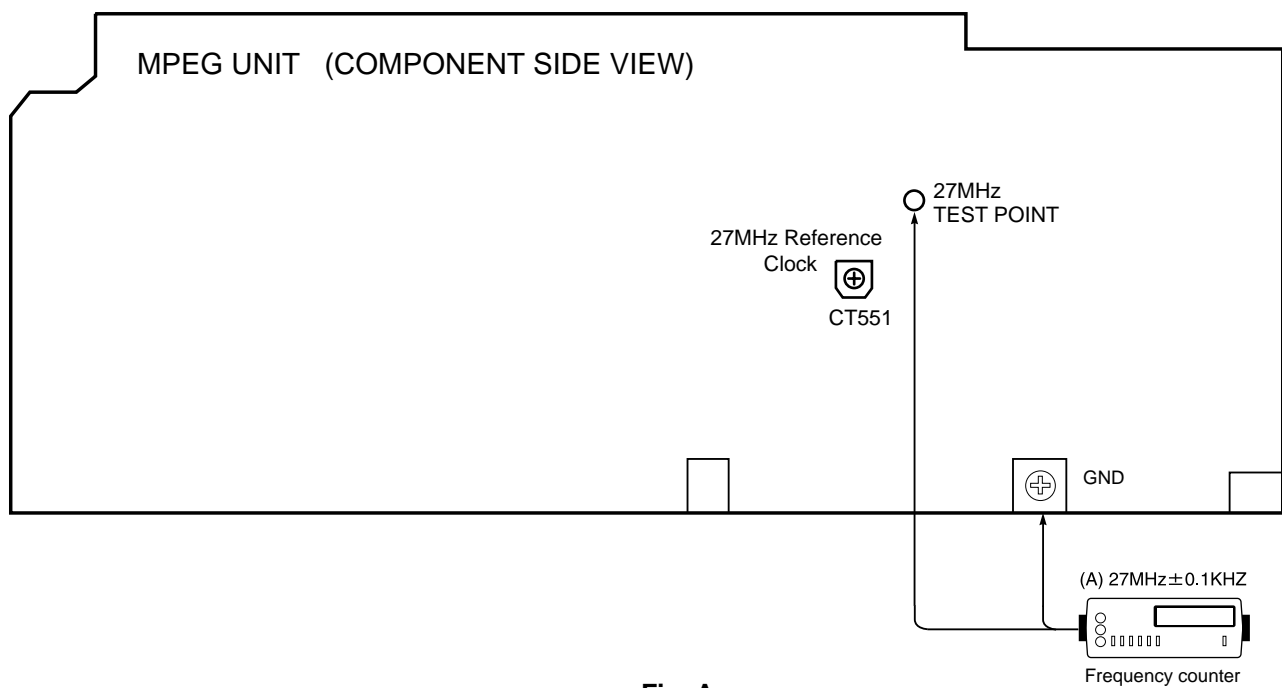


Fig. A

Notes.

About repair of a laser pickup with service.

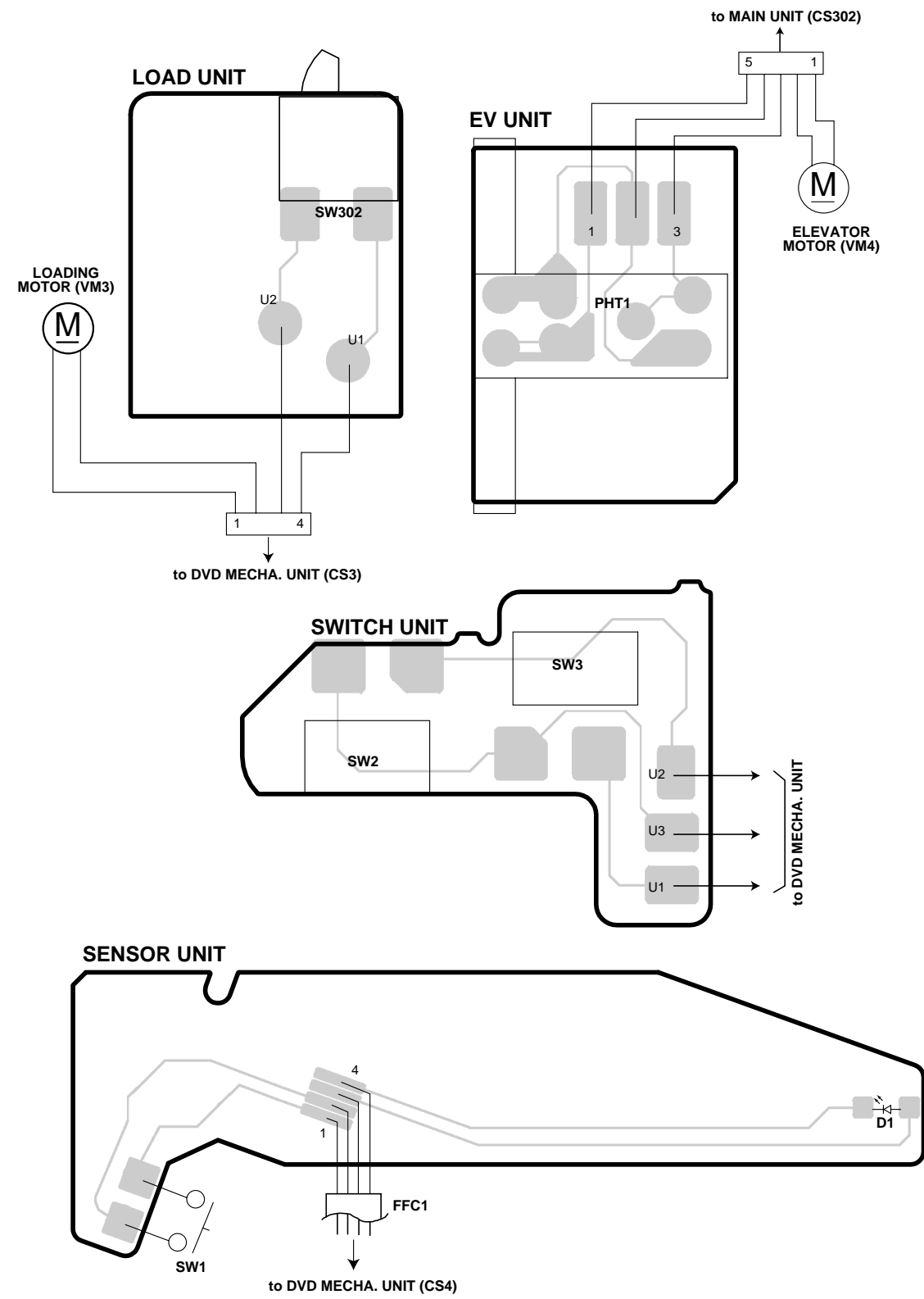
Change with a laser pickup single article and adjustment cannot be performed. A service part is supplied in a pickup unit (with in VM1, VM2, PHT2 and SW4). If you need change to spindle motor (VM1) and feed sensor (PHT2) you can order to pickup unit.

About the handling after repair (for transportation)

Please after repair for the units you must be internalized elevator mechanism of most below position (for magazine pack eject position), and always attach CAUTION CARD and STEPPED SCREW (for transportation). In order to make an elevator mechanism downed, please carry out in the following procedure (this model not included test mode).

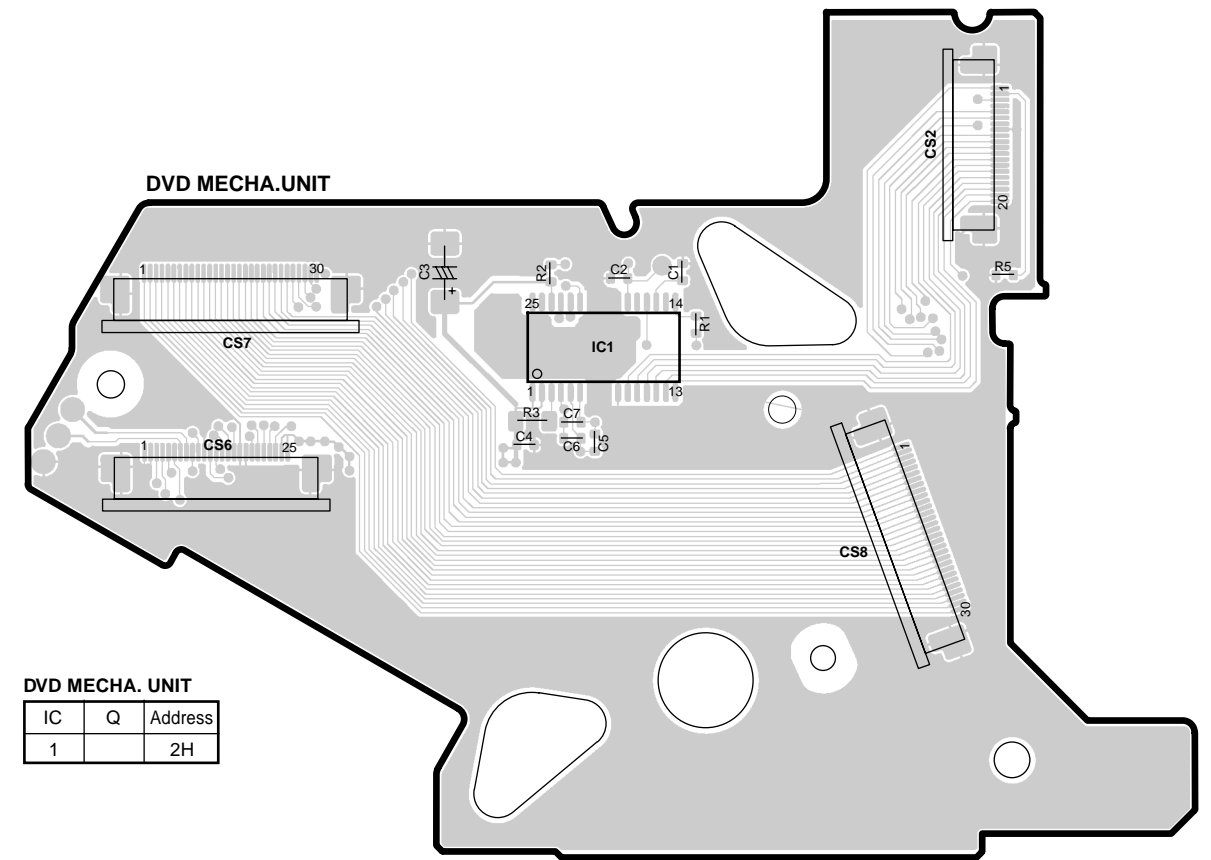
* Shut off a power supply within 2 seconds after magazine pack discharge.

PC BOARD



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

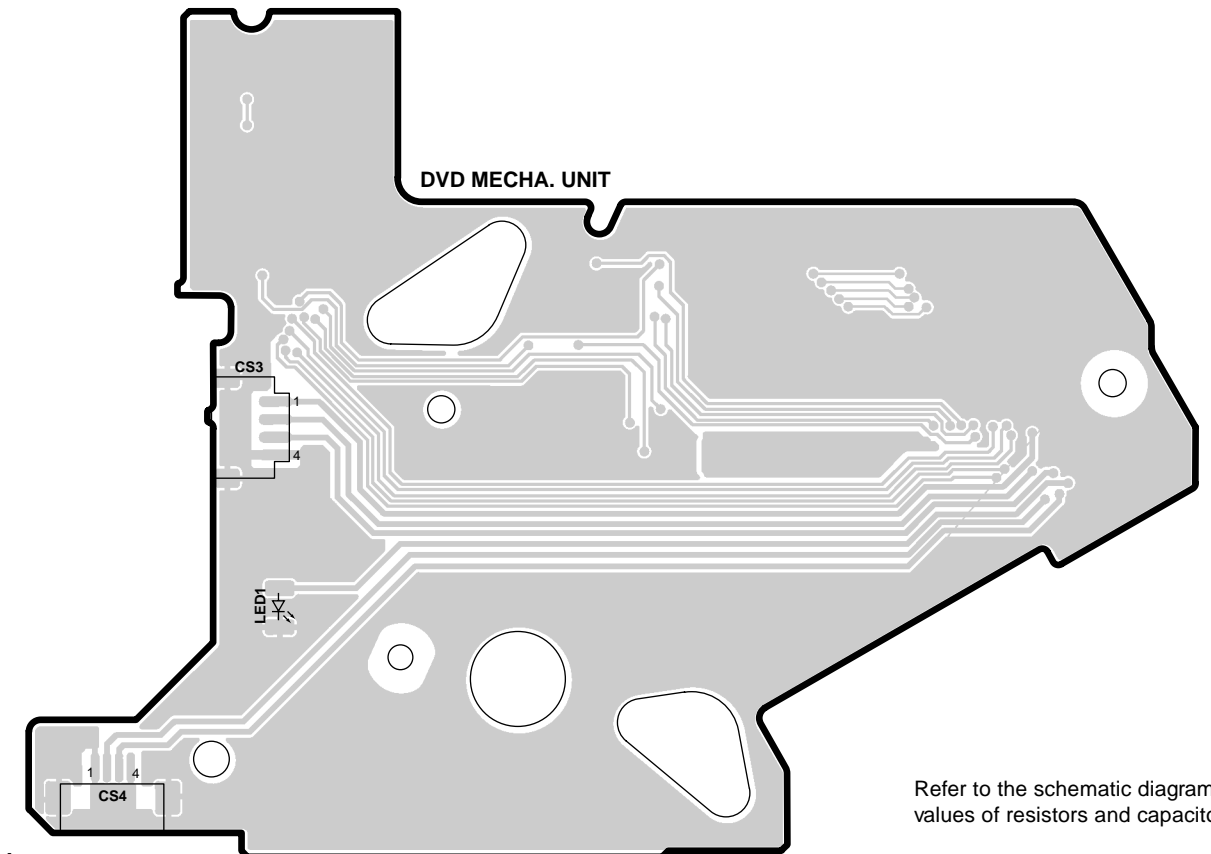
PC BOARD (COMPONENT SIDE VIEW)



DVD MECHA. UNIT

IC	Q	Address
1		2H

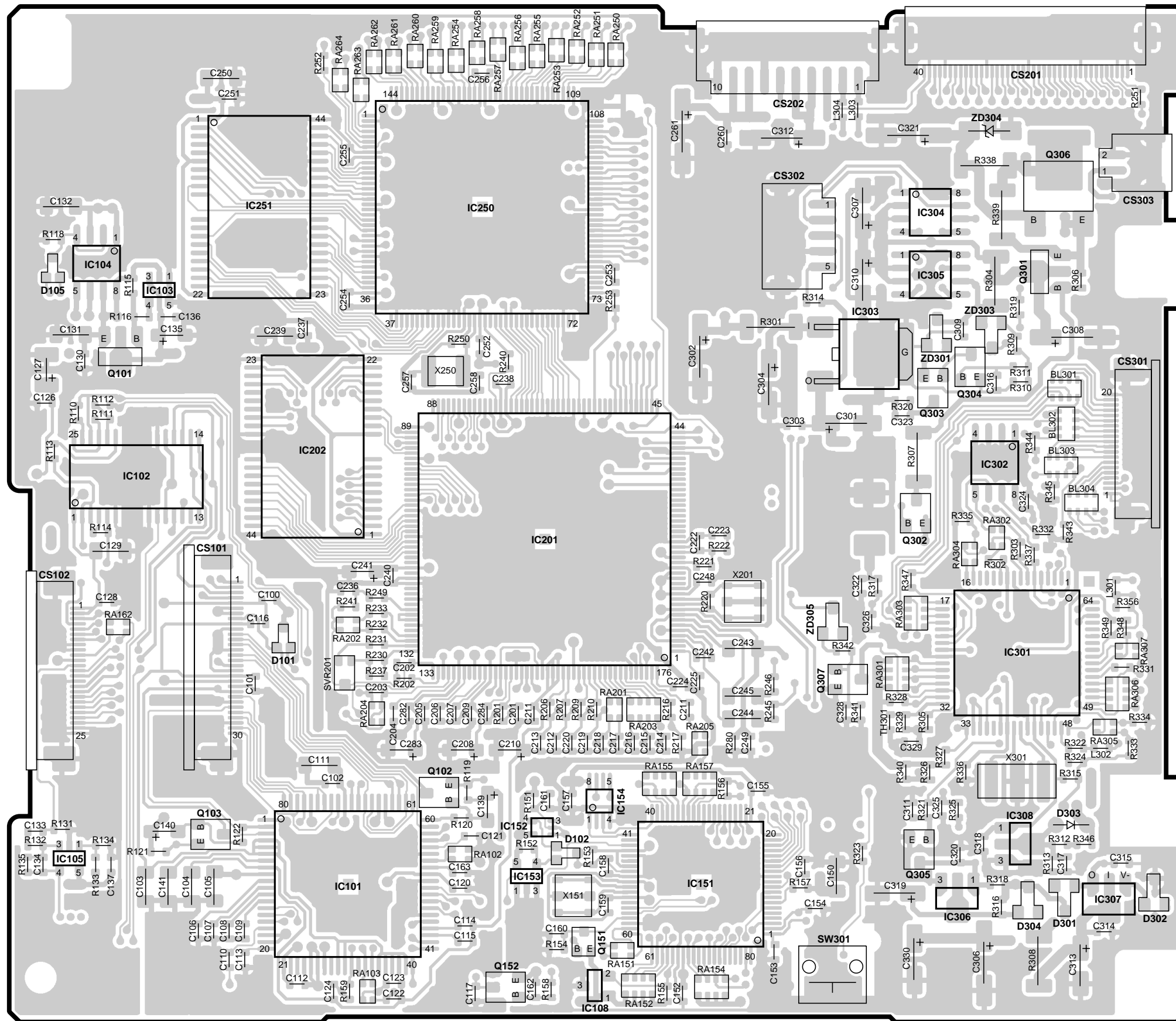
(FOIL SIDE VIEW)



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

PC BOARD (COMPONENT SIDE VIEW)

MAIN UNIT



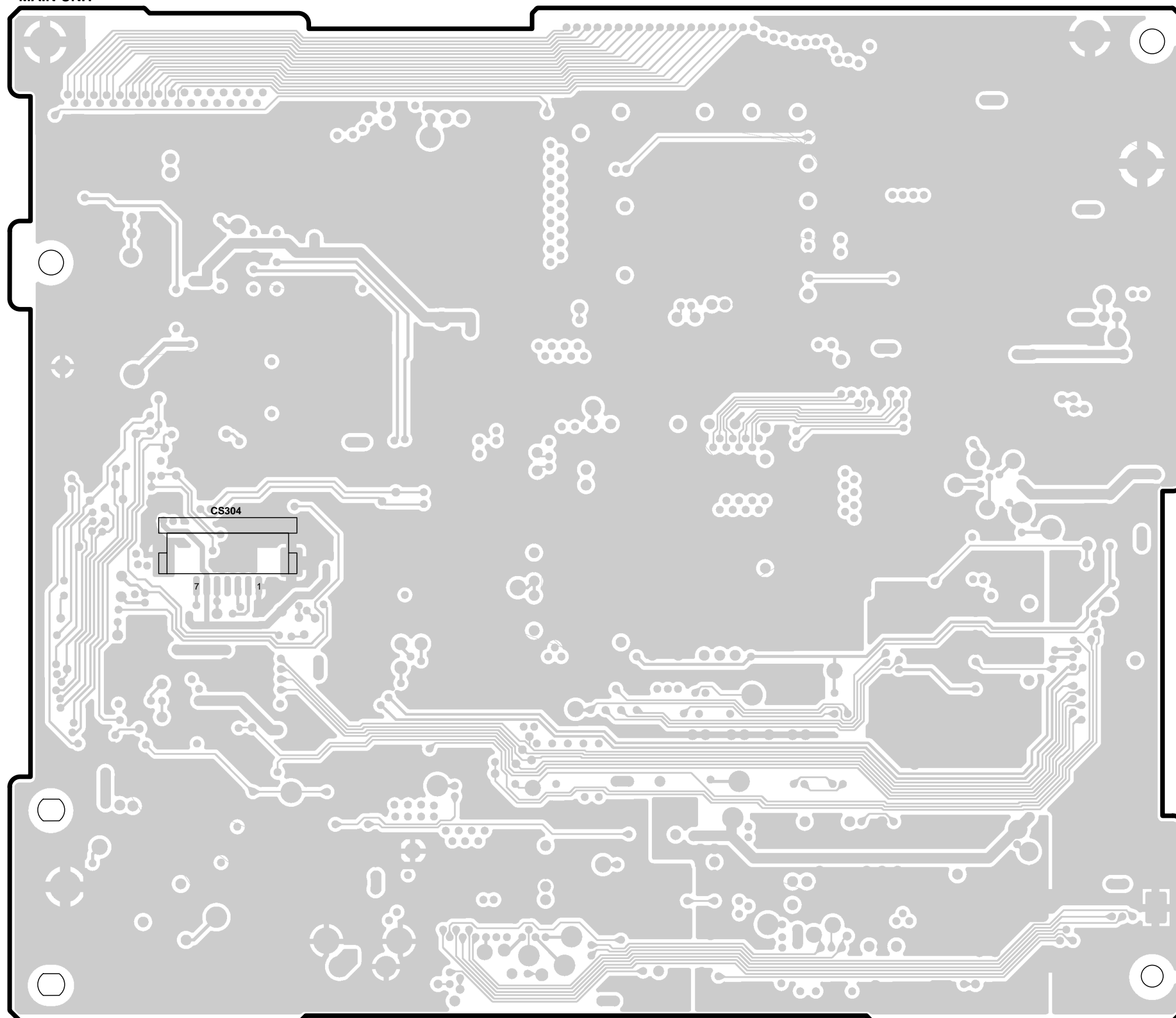
MAIN UNIT

IC	Q	Address
101		6M
102		4L
103		3L
104		3L
105		6L
108		7O
151		6O
152		6N
153		6N
154		6O
201		4N
202		4M
250		2N
251		2M
301		5Q
302		4Q
303		3P
304		3Q
305		3Q
306		6Q
307		6R
308		6Q
	101	3L
	102	6N
	103	6L
	151	7O
	152	7N
	301	3Q
	302	4Q
	303	4Q
	304	4Q
	305	6Q
	307	5P

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

PC BOARD (FOIL SIDE VIEW)

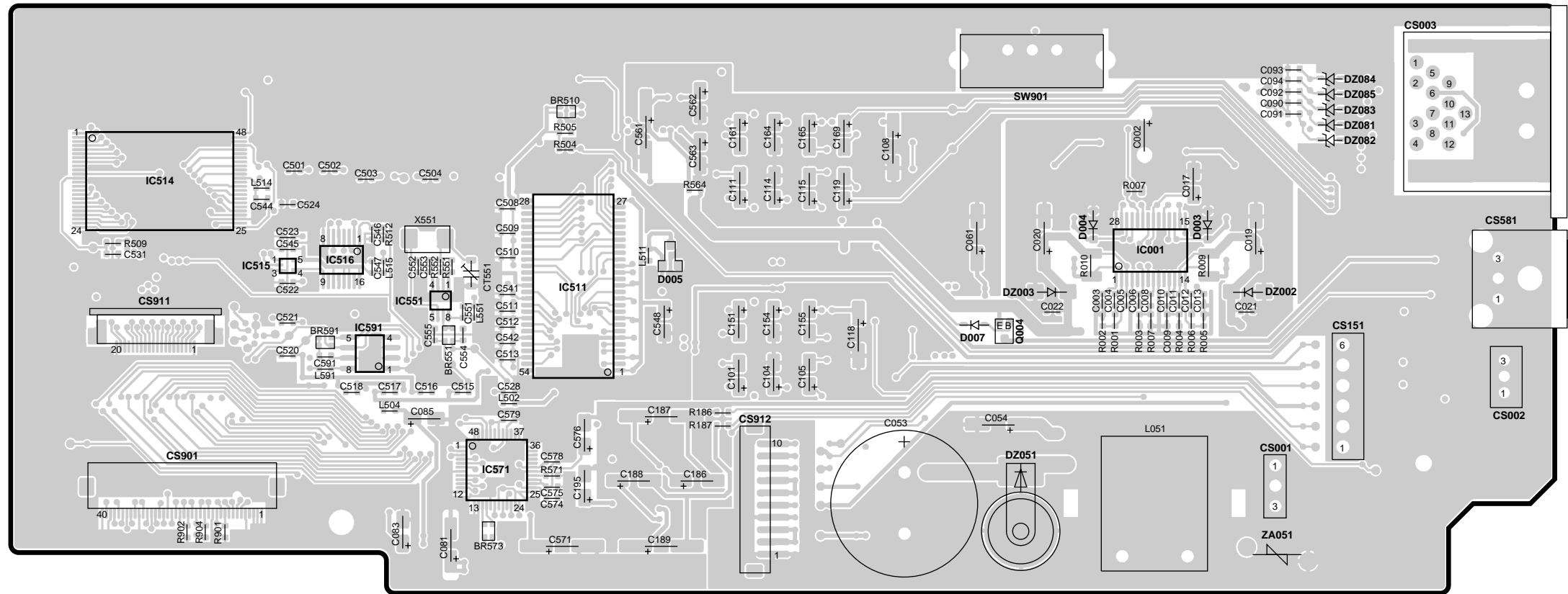
MAIN UNIT



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

PC BOARD (COMPONENT SIDE VIEW)

MPEG UNIT

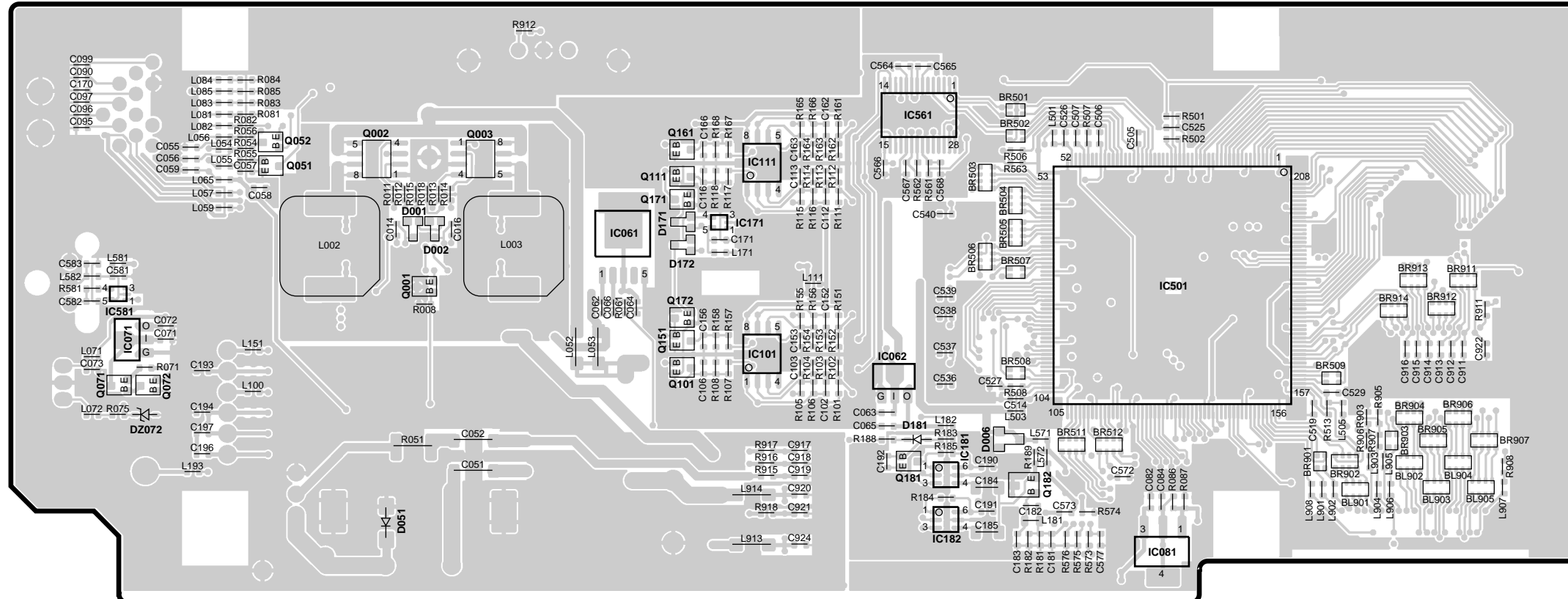


MPEG UNIT

IC	Q	Address
1		2AK
511		3AH
514		2AF
515		3AG
516		3AG
551		3AG
571		3AH
591		3AG
	4	3AJ

(FOIL SIDE VIEW)

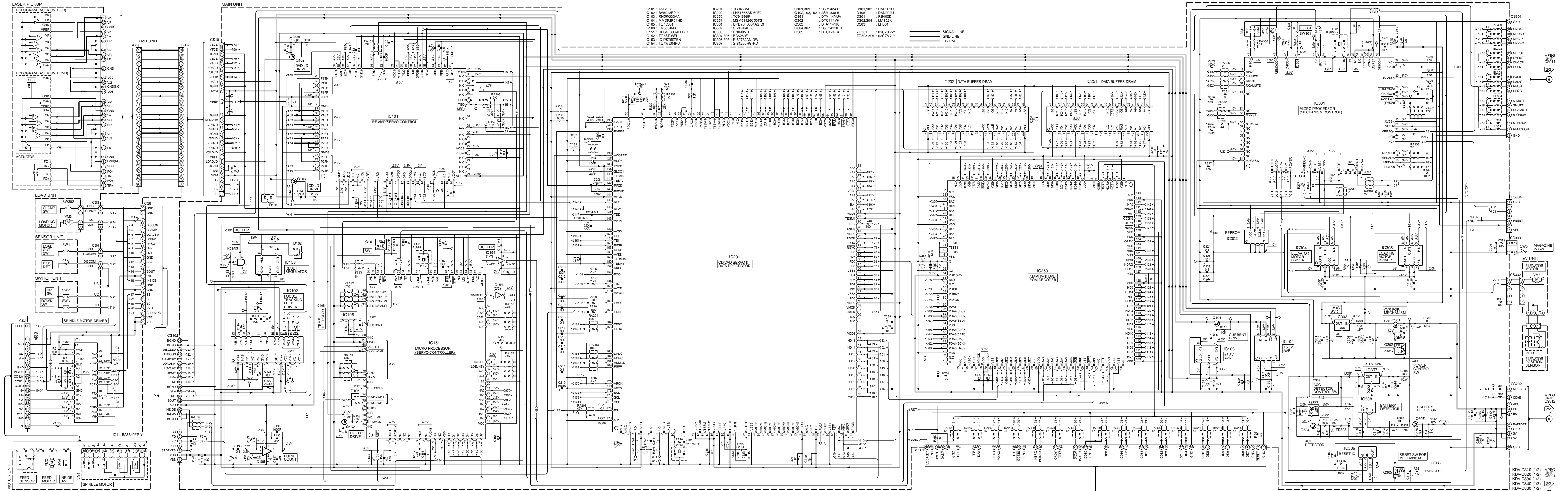
MPEG UNIT



MPEG UNIT

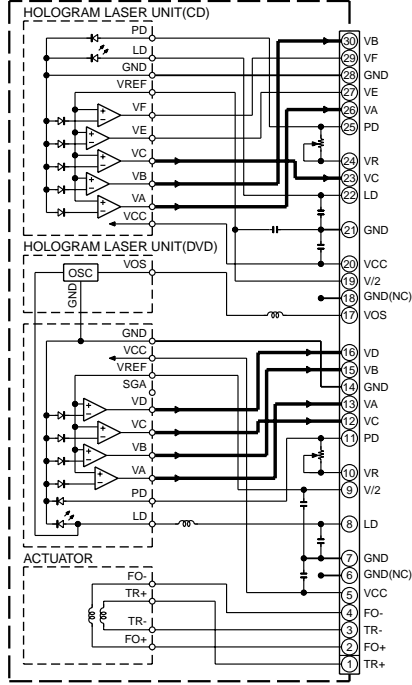
IC	Q	Address	IC	Q	Address
61		5AH		3	5AG
62		6AI		51	5AG
71		6AF		52	5AG
81		7AK		71	6AF
101		6AI		72	6AF
111		5AI		101	6AH
171		5AI		111	5AH
181		6AJ		151	6AH
182		7AJ		161	5AH
501		6AK		171	5AH
561		5AI		172	6AH
581		6AF		181	7AI
	1	6AG		182	7AJ
	2	5AG			

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

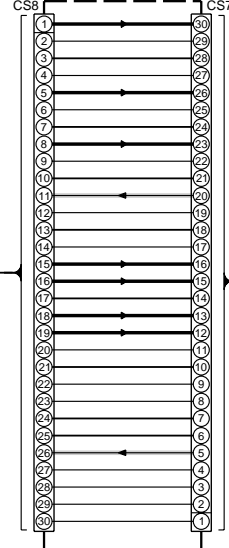


CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).
 ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.
 • DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

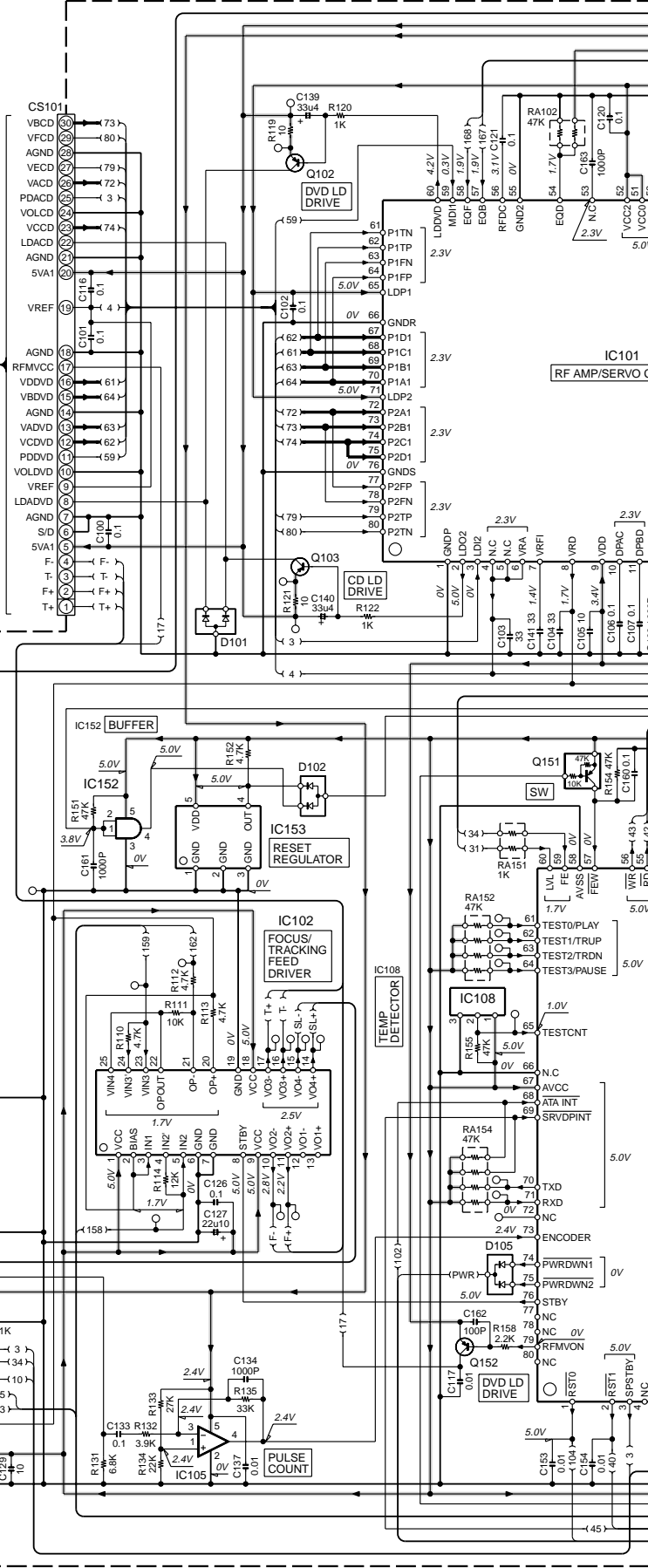
LASER PICKUP



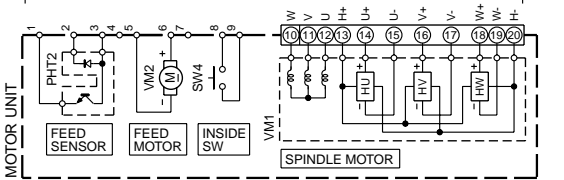
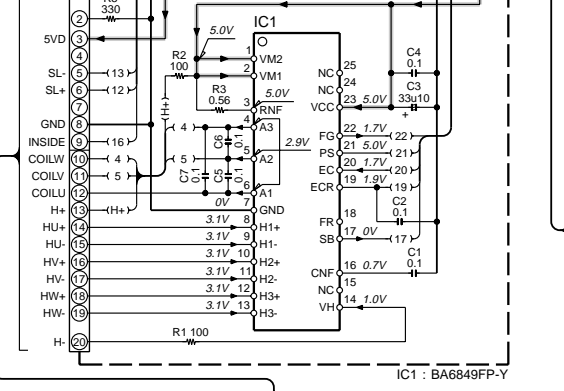
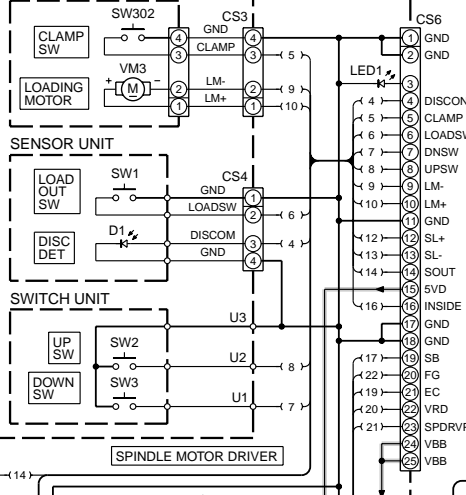
DVD UNIT



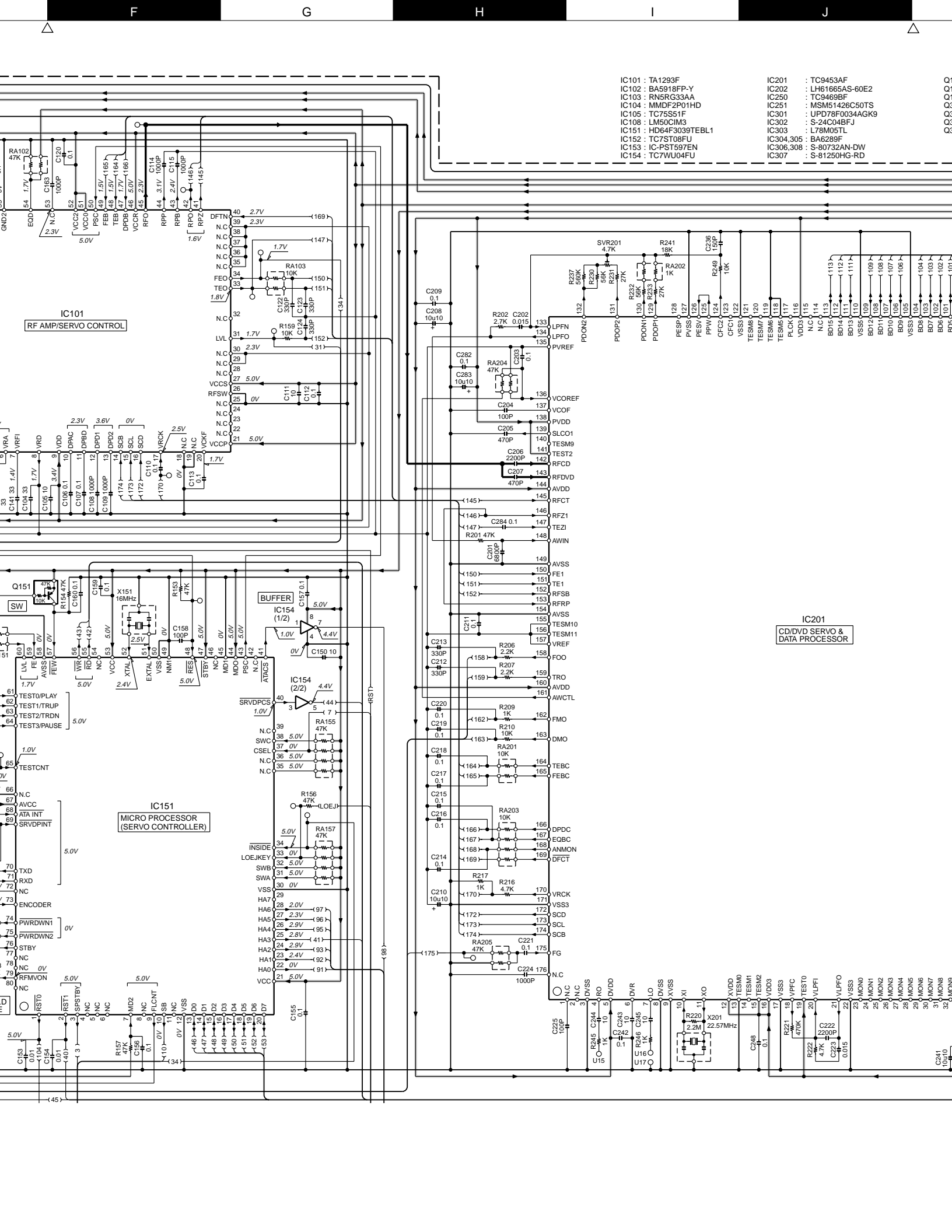
MAIN UNIT



LOAD UNIT



CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).
 ⚠ Indicates safety critical components. 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.
 • DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

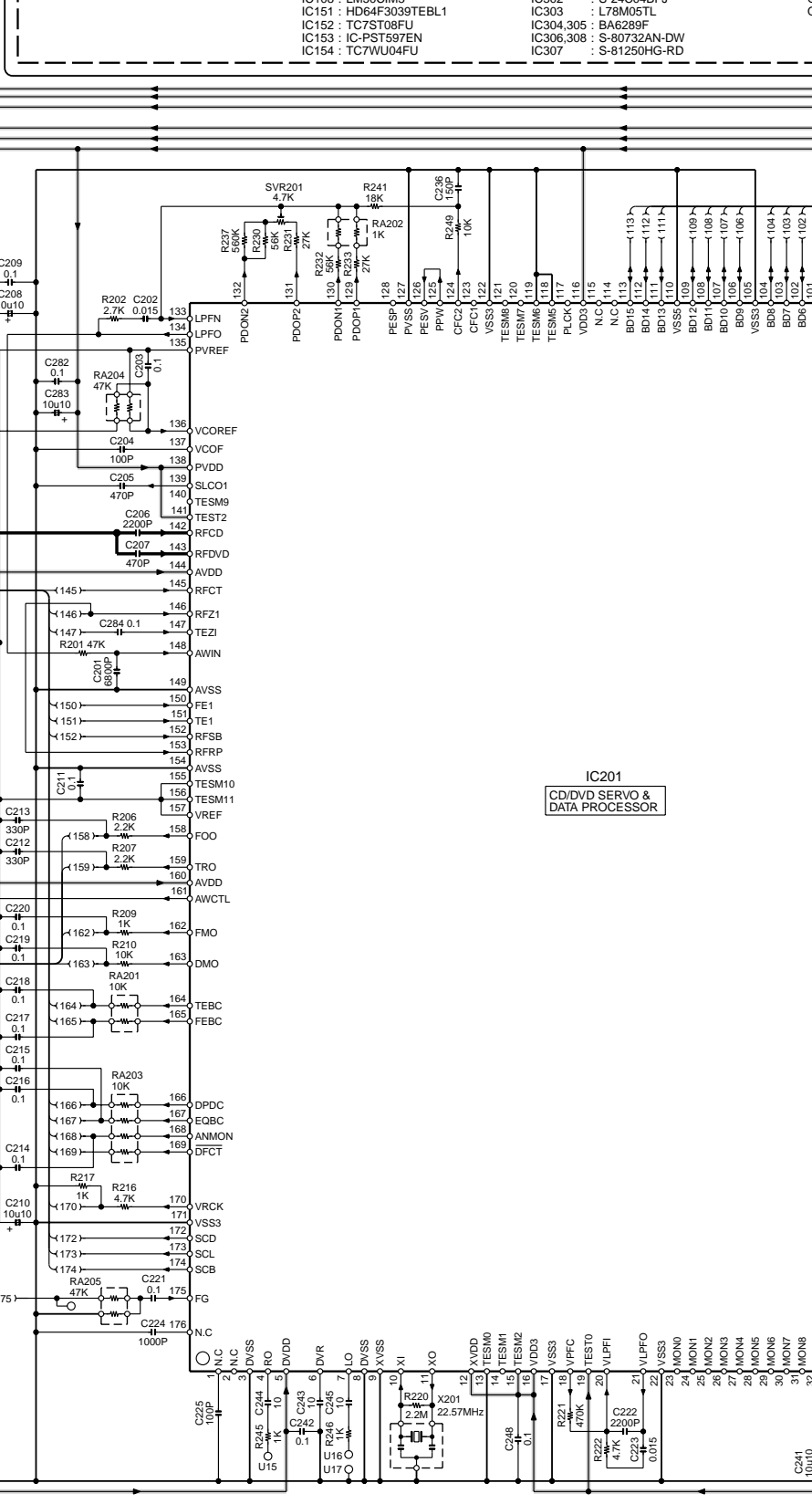
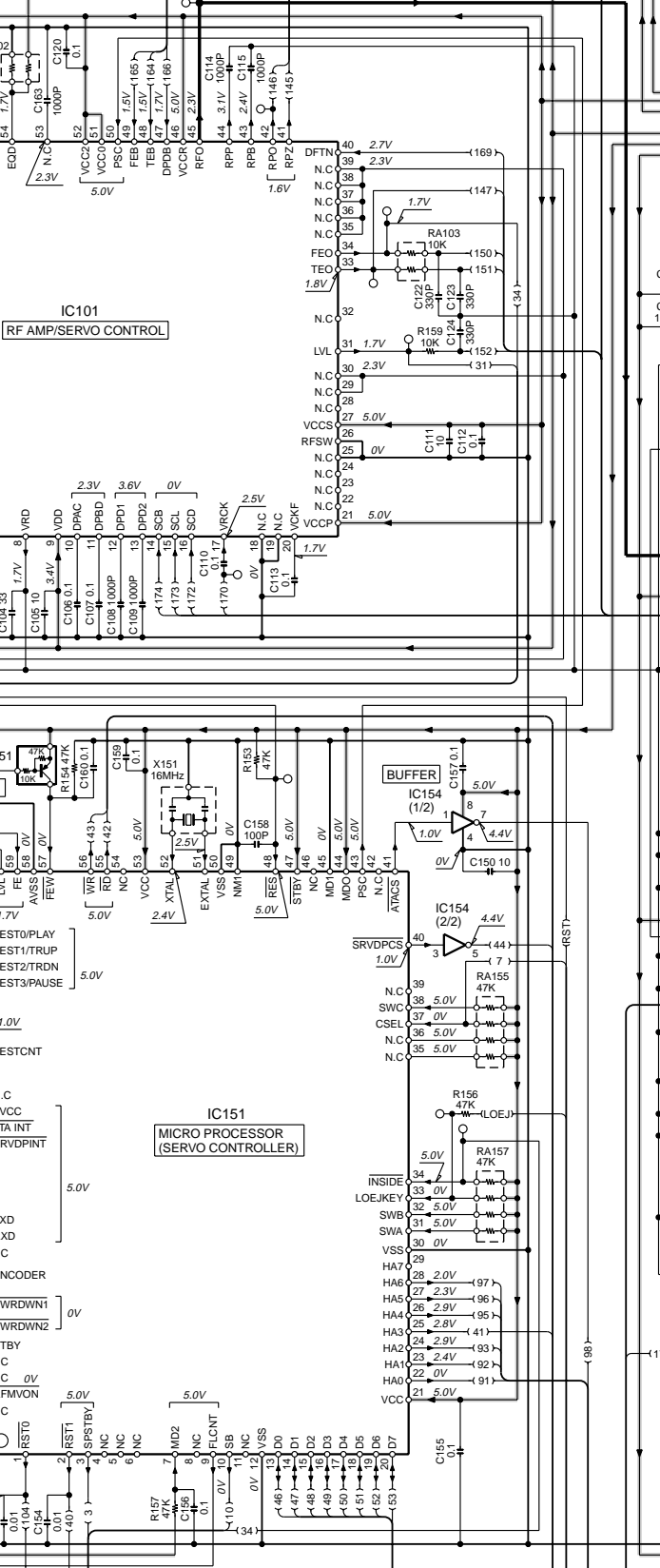


- IC101 : TA1293F
- IC102 : BA5918FP-Y
- IC103 : RN5RG33AA
- IC104 : MMDF2P01HD
- IC105 : TC75S51F
- IC108 : LM50CIM3
- IC151 : HD64F3093TEBL1
- IC152 : TC7ST08FU
- IC153 : IC-PT597EN
- IC154 : TC7WU04FU
- IC201 : TC9453AF
- IC202 : LH61665AS-60E2
- IC250 : TC9469BF
- IC251 : MSM51426C50TS
- IC301 : UPD78F0034AGK9
- IC302 : S-24C04BFJ
- IC303 : L78M05TL
- IC304,305 : BA6289F
- IC306,308 : S-80732AN-DW
- IC307 : S-81250HG-RD

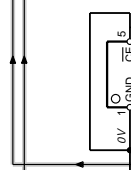
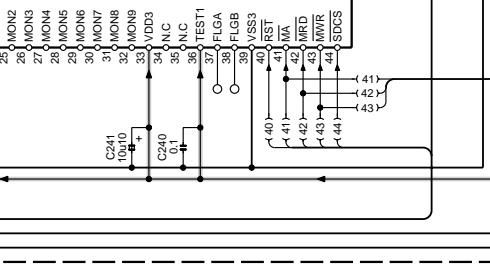
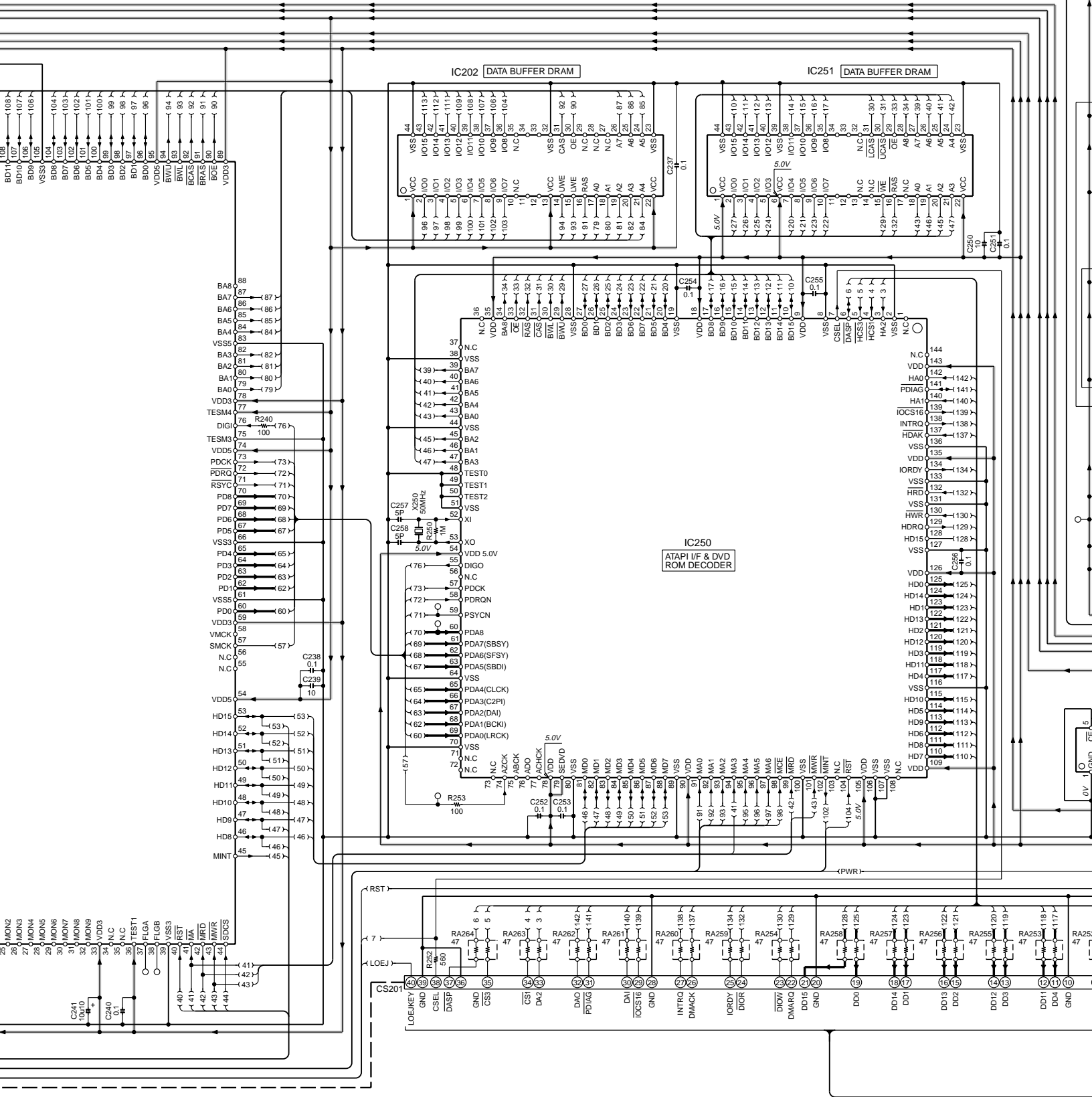
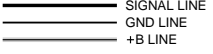
IC101
RF AMP/SERVO CONTROL

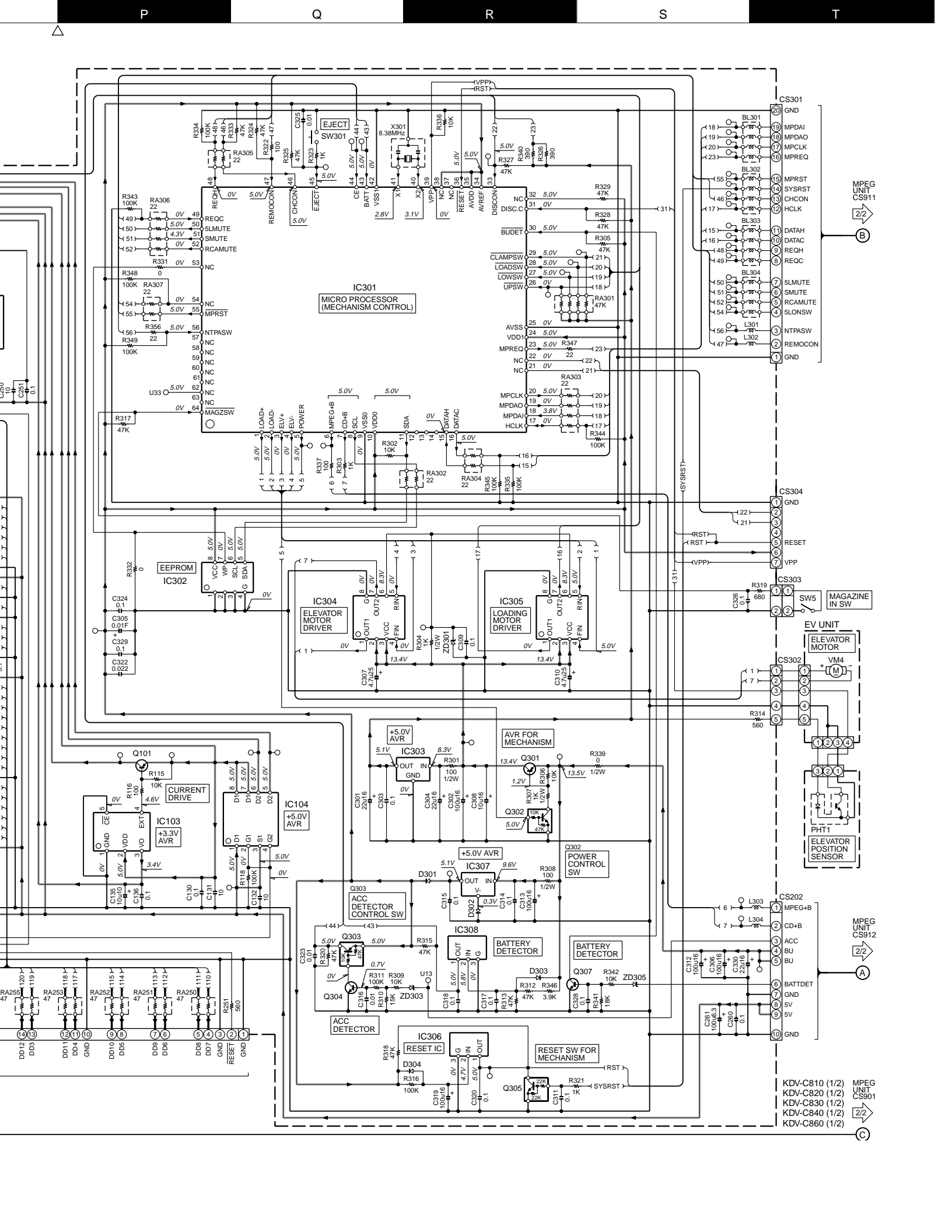
IC151
MICRO PROCESSOR
(SERVO CONTROLLER)

IC201
CD/DVD SERVO &
DATA PROCESSOR



- Q101,301 : 2SB1424-R
- Q102,103,152 : 2SA1338-5
- Q151 : DTA114YUA
- Q302 : DTC114YK
- Q303 : DTA114YK
- Q304,307 : 2SC2412K-R
- Q305 : DTC124EK
- D101,102 : DAP202U
- D105 : DAN202U
- D301 : RB400D
- D302,304 : MA152K
- D303 : LFB01
- ZD301 : 02CZ8.2-Y
- ZD303,305 : 02CZ6.2-Y





IC301
MICRO PROCESSOR
(MECHANISM CONTROL)

EEPROM
IC302

IC304
ELEVATOR
MOTOR DRIVER

IC305
LOADING
MOTOR DRIVER

IC103
+3.3V
AVR

IC104
+5.0V
AVR

IC307
ACC DETECTOR
CONTROL SW

IC308
BATTERY
DETECTOR

IC306
RESET IC

RESET SW FOR
MECHANISM

CS301
GND

MPDAI
MPDAO
MPCLK
MPREQ
MPRST
SYSRST
CHCON
HCLK
DATAH
DATAC
REQH
REOC
SLMUTE
SMUTE
RCAMUTE
SLONSW
NTPASW
REMOCON
GND

CS304
GND

RESET
VPP

CS303
SW5
MAGAZINE
IN SW

CS302
ELEVATOR
MOTOR

VM4
ELEVATOR
MOTOR

PHTT
ELEVATOR
POSITION
SENSOR

CS202
MPEG+B

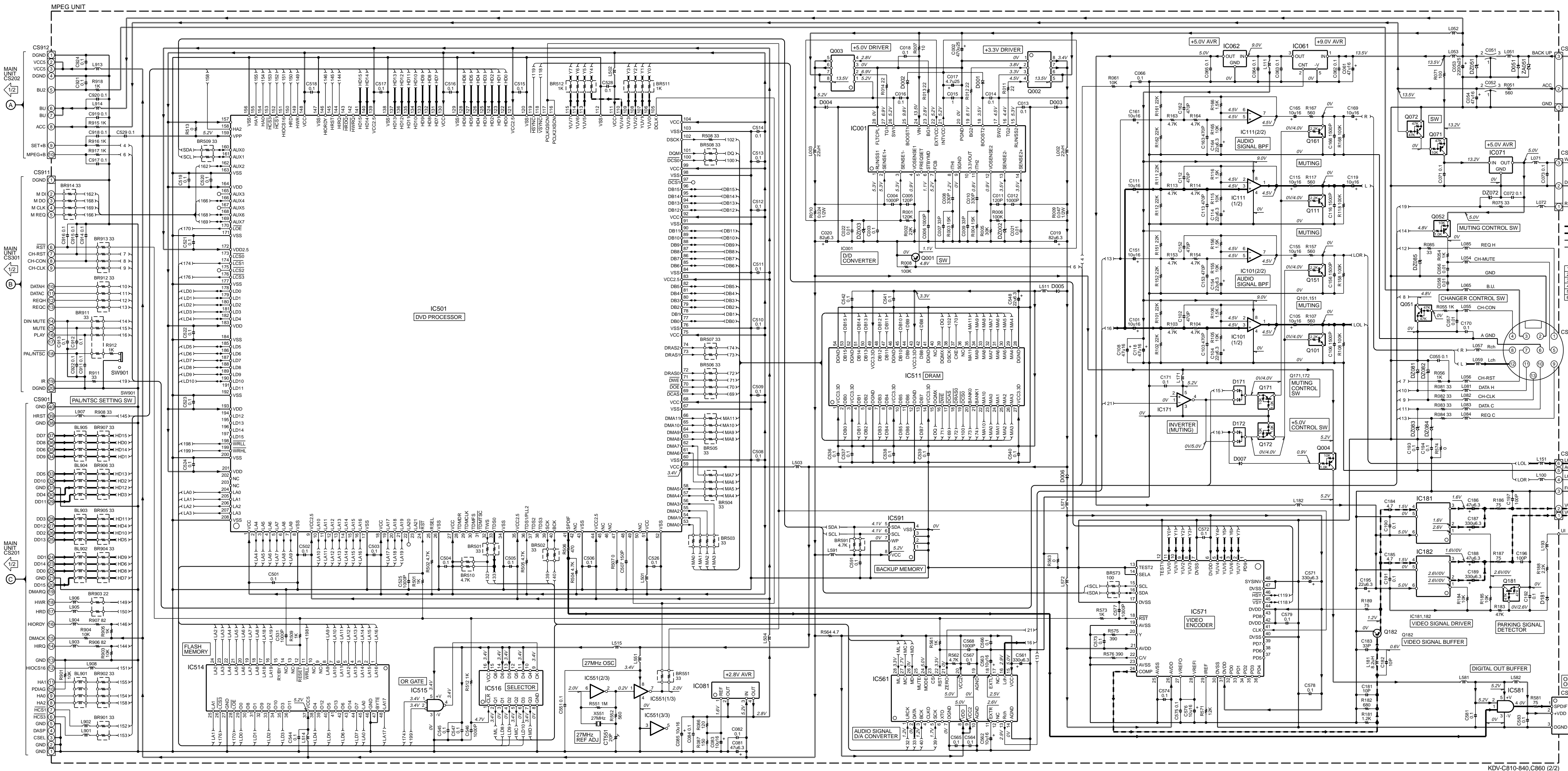
MPEG UNIT
CS912
ACC
BU
BU
BATTDET
GND
5V
5V
GND

MPEG UNIT
CS901
KDV-C810 (1/2)
KDV-C820 (1/2)
KDV-C830 (1/2)
KDV-C840 (1/2)
KDV-C860 (1/2)

(B)

(A)

(C)



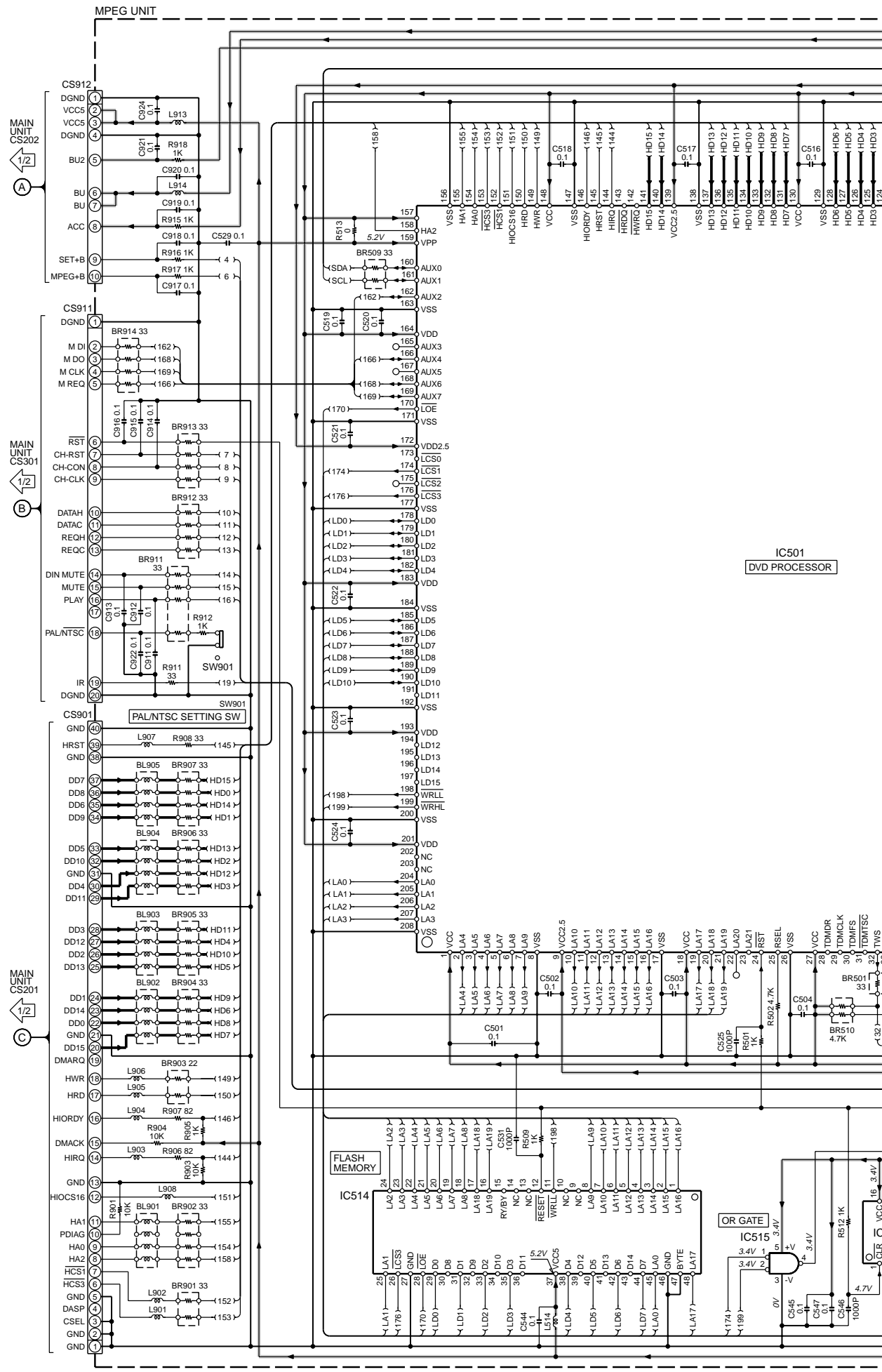
IC001	: LTC1628CG
IC061	: PQ9D21U
IC062,071	: S-1123RGS-RD
IC081	: LM1117MPX-ADJ
IC101,111	: NJM4556M-B
IC171	: NC7S04P5
IC181,182	: TK1540SAM
IC591	: ES142SS
IC511	: HY57V641620HGT
IC514	: MX29F800TTC-90
IC515	: TC7532FU
IC516	: SN74AHC174PW-R
IC551	: TC7WU04FU
IC561	: PCM1716E
IC561	: NJM4565M-B
IC571	: AK8812
IC581	: NC7S10P5
IC591	: HN8K2408FPZ
Q001	: 2SA1622-6
Q002,003	: FDS8936A
Q004,052,171,172	: DTA113ZUA
Q051,181	: S-8807-03C
Q071	: DTA114YUA
Q072	: DTC144EUA or UMC2N
Q181,182	: DTC323TU
Q182	: 2SB709A(R)
Q001,002	: MA142K
Q003,004	: EP102Y03
Q005,006	: S897-03C
Q007,181	: IS35S5
Q051	: DMC10C
Q171,172	: DAN202U
DZ002	: PTZ3.9B
DZ003	: PTZ6.2B
DZ051	: ZSH5MA27
DZ072,081-085	: UDZ56.2B

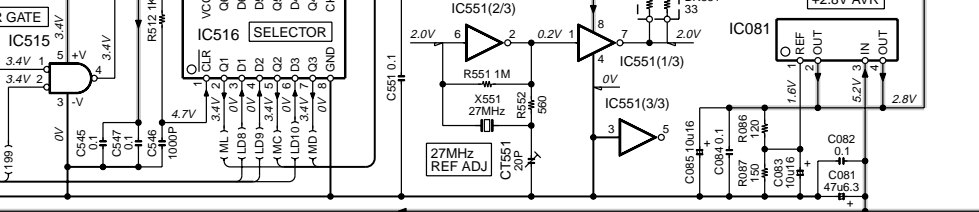
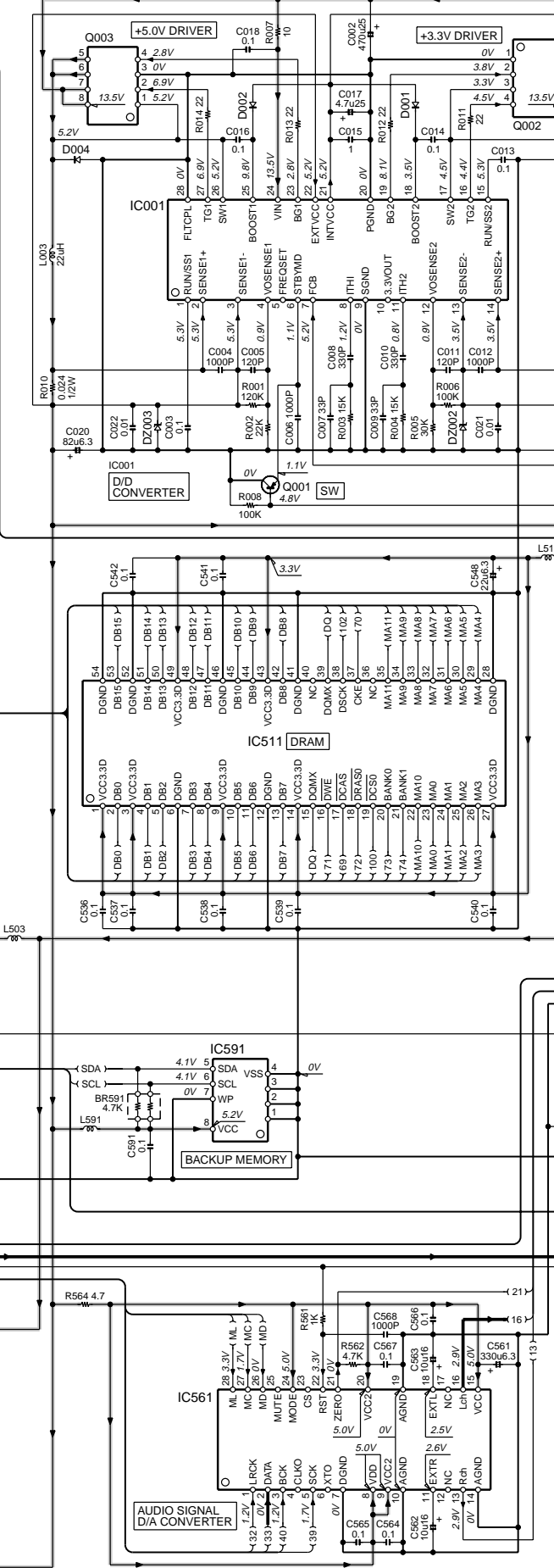
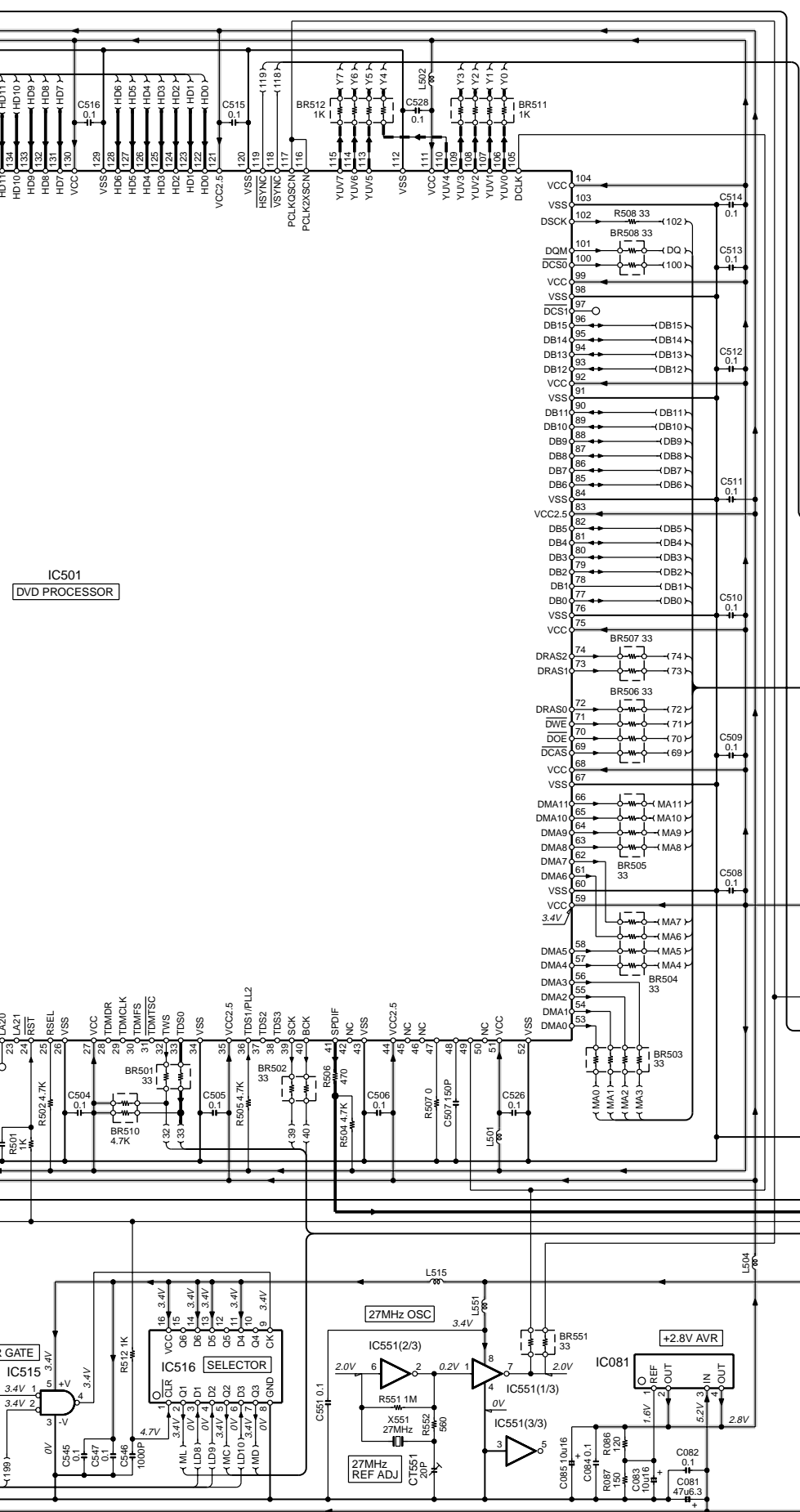
- DTA114YK
- DTA113ZUA
- DTC114YK
- DTC124EK
- 2SB709A
- 2SC2412K-R
- DAP202U
- DTA113ZUA
- DTA114YUA
- 02CZ6.2-Y
- 02CZ8.2-Y
- DTC323TU
- DTC144EUA
- TC7532FU
- TC75S51F
- PCM1716E
- TC7WU04FU
- UMC2N
- NJM4565M-B
- DAN202U

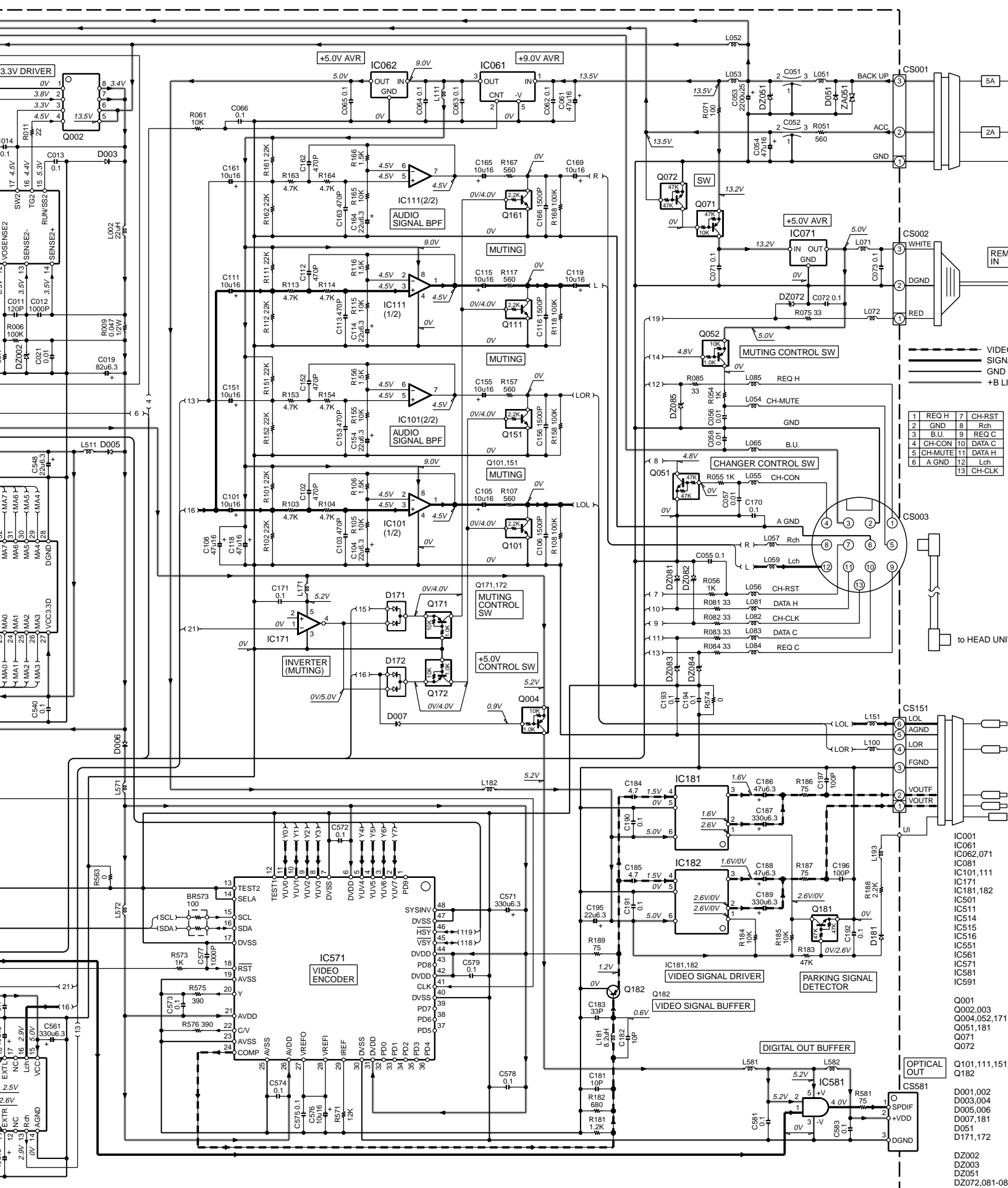
CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).

⚠ Indicates safety critical components. 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.

• DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.



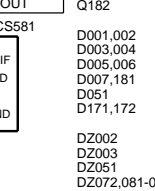
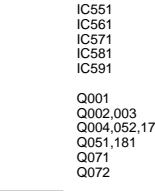
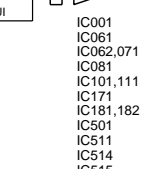
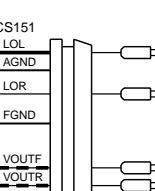
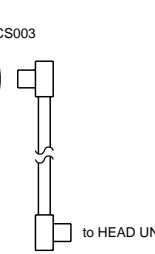




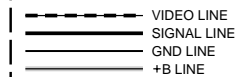
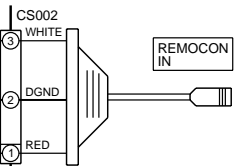
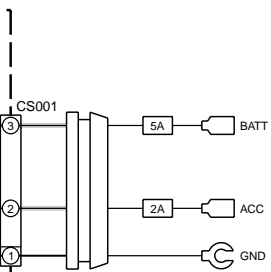
Legend:

- VIDEO
- SIGNAL
- GND
- +B L

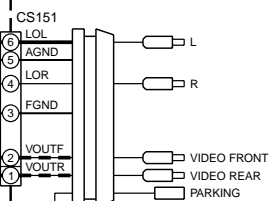
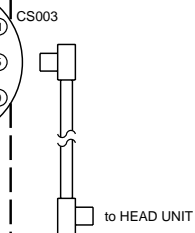
1	REQ H	7	CH-RST
2	GND	8	Rch
3	B.U.	9	REQ C
4	CH-CON	10	DATA C
5	CH-MUTE	11	DATA H
6	A GND	12	Lch
		13	CH-CLK



- IC001
- IC061
- IC062,071
- IC081
- IC101,111
- IC171
- IC181,182
- IC501
- IC511
- IC514
- IC515
- IC516
- IC551
- IC561
- IC571
- IC581
- IC591
- Q001
- Q002,003
- Q004,052,171
- Q051,181
- Q071
- Q072
- Q101,111,151
- Q182
- D001,002
- D003,004
- D005,006
- D007,181
- D051
- D171,172
- DZ002
- DZ003
- DZ051
- DZ072,081-08



1	REQ H	7	CH-RST
2	GND	8	Rch
3	B.U.	9	REQ C
4	CH-CON	10	DATA C
5	CH-MUTE	11	DATA H
6	A GND	12	Lch
		13	CH-CLK



IC001	: LTC1628CG
IC061	: PQ09DZ1U
IC062,071	: S-81250HG-RD
IC081	: LM1117IMPX-ADJ
IC101,111	: NJM4565M-B
IC171	: NC7S04P5
IC181,182	: TK15405AM
IC501	: ES4428S
IC511	: HY57V641620HGT
IC514	: MX29F800TTC-90
IC515	: TC7S32FU
IC516	: SN74AHC174PW-R
IC551	: TC7WU04FU
IC561	: PCM1716E
IC571	: AK8812
IC581	: NC7ST08P5
IC591	: HN58X2408FP1Z

Q001	: 2SA1622-6
Q002,003	: FDS8936A
Q004,052,171,172	: DTA113ZUA
Q051,181	: DTC144EUA
Q071	: DTA114YUA
Q072	: DTC144EUA or UMC2N

OPTICAL OUT	Q101,111,151,161	: DTC323TU
	Q182	: 2SB709A(R)

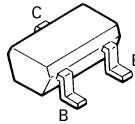
CS581	D001,002	: MA142K
	D003,004	: EP10QY03
	D005,006	: SB07-03C
	D007,181	: ISS355
	D051	: DMC10C
	D171,172	: DAN202U

	DZ002	: PTZ3.9B
	DZ003	: PTZ6.2B
	DZ051	: ZSH5MA27
	DZ072,081-085	: UDZS6.2B

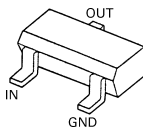
DTA114YK
DTC114YK
DTC124EK
2SB709A
2SC2412K-R



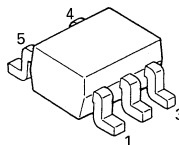
DTC323TU



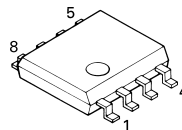
DTC144EUA



UMC2N



NJM4565M-B



DAN202U



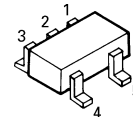
DAP202U
DTA113ZUA
DTA114YUA



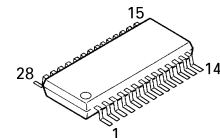
02CZ6.2-Y
02CZ8.2-Y



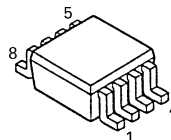
TC7S32FU
TC75S51F



PCM1716E



TC7WU04FU

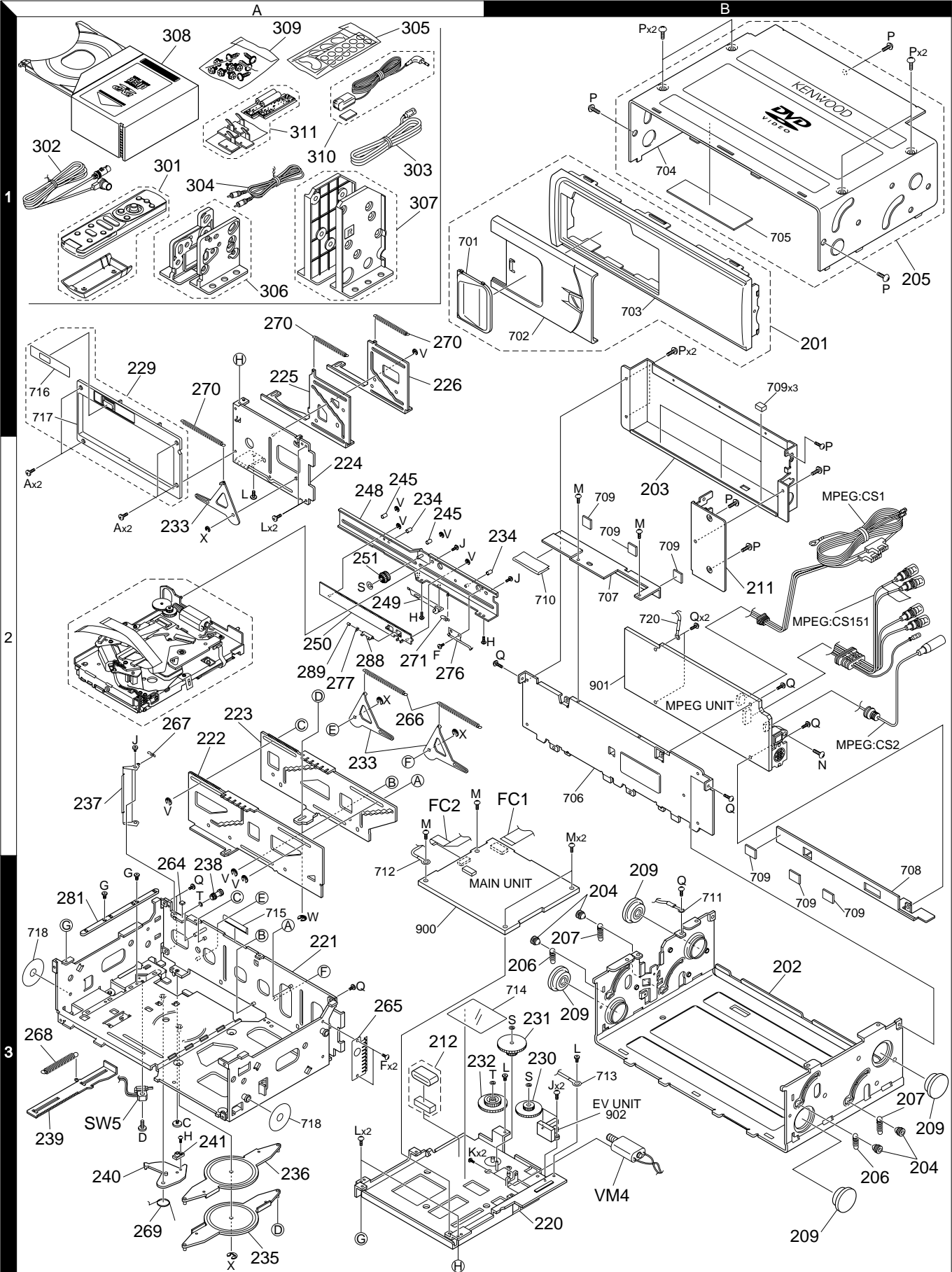


CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).

△ Indicates safety critical components. 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.

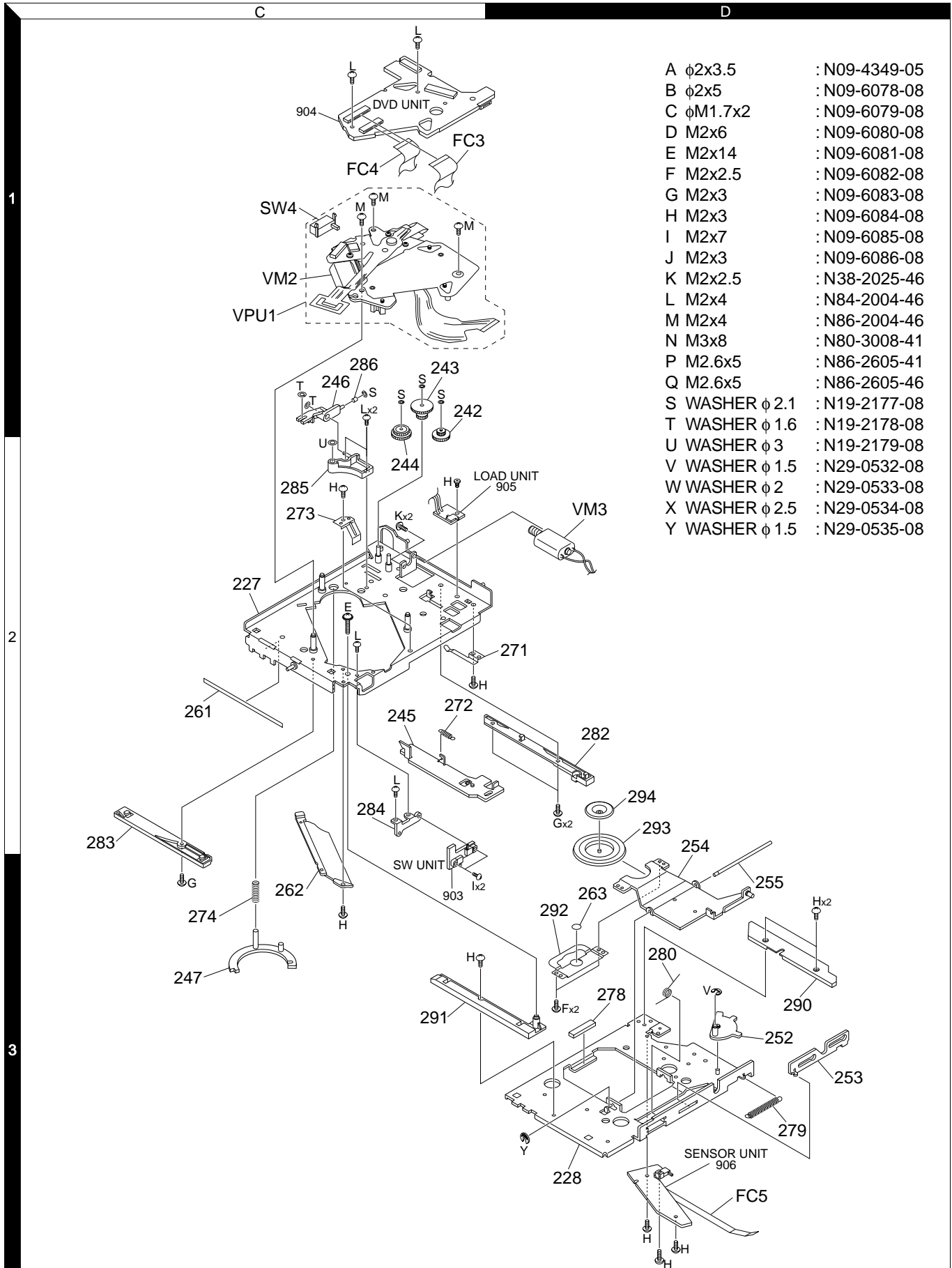
- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

EXPLODED VIEW



Parts with the exploded numbers larger than 700 are not supplied.

EXPLODED VIEW



Parts with the exploded numbers larger than 700 are not supplied.

PARTS LIST

* New parts

Parts without **Parts No.** are not supplied.

Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.

Teile ohne **Parts No.** werden nicht geliefert.

Ref. No.	Add	New	Parts No.	Description	Destination
KDV-C810/C820/C830/C840/C860					
201	1B	*	A64-2965-08	PANEL ASSY	K
201	1B	*	A64-2966-08	PANEL ASSY	E
201	1B	*	A64-2967-08	PANEL ASSY	M
201	1B	*	A64-2968-08	PANEL ASSY	X
201	1B	*	A64-2969-08	PANEL ASSY	C
202	3B	*	A40-1313-08	BOTTOM PLATE ASS'Y	
203	1B	*	A46-1780-08	REAR COVER ASS'Y	K
203	1B	*	A46-1781-08	REAR COVER ASS'Y	E
203	1B	*	A46-1782-08	REAR COVER ASS'Y	M
203	1B	*	A46-1783-08	REAR COVER ASS'Y	X
203	1B	*	A46-1784-08	REAR COVER ASS'Y	C
204	3B	*	D21-2422-08	SHAFT	
205	1B	*	F07-1119-08	COVER	
206	3B	*	G01-3175-08	EXTENSION SPRING	
207	3B	*	G01-3176-08	EXTENSION SPRING	
208	3B	*	G11-3532-08	CUSHION	
209	3B	*	J19-5213-08	SPIDER	
210	2B	*	J21-9989-08	MOUNTING HARDWARE	
211	2B	*	J21-9990-08	MOUNTING HARDWARE	
212	3A	*	L92-0368-08	CORE	
301	1A	*	A70-2038-08	REMOTE CONT ASS'Y (RC-DV300)	
302	1A	*	E30-6124-05	CORD WITH PLUG (DIN 13P)	
303	1A	*	E30-6148-08	DC CORD	
304	1A	*	E30-6149-08	VIDEO CORD	
305	1A	*	H21-1146-08	PROTECTION SHEET	
306	1A	*	J19-5209-08	BRACKET	
307	1A	*	J19-5210-08	BRACKET	
308	1A	*	J19-5211-08	MAGAZINE PACK ASS'Y	
309	1A	*	N99-1732-08	SCREW SET	
310	1A	*	T95-0235-05	REMOTE CONTROL SENSOR ASS'Y	
311	1A	*	W09-0745-08	MOUNTING PARTS SET	
310	1A	*	T95-0235-05	REMOTE CONTROL SENSOR ASS'Y	
311	1A	*	W09-0745-08	MOUNTING PARTS SET	
-			B46-0100-50	WARRANTY CARD	
-			B46-0182-14	ID CARD	E
-			B46-1514-04	CAUTION CARD (CLASS1)	EMXC
-		*	B58-1391-04	CAUTION CARD	
-		*	B58-1395-08	SHIPPING CAUTION CARD	
-		*	B64-2291-00	INSTRUCTION MANUAL (ENG)	KEMXC
-		*	B64-2292-00	INSTRUCTION MANUAL (FRE)	KE
-		*	B64-2293-00	INSTRUCTION MANUAL (GER,DUT)	E
-		*	B64-2294-00	INSTRUCTION MANUAL (ITA)	E
-		*	B64-2295-00	INSTRUCTION MANUAL (SPA,POR)	EX
-		*	B64-2296-00	INSTRUCTION MANUAL (T-CHI,KOR)	M
-		*	B64-2297-00	INSTRUCTION MANUAL (S-CHI)	C

Ref. No.	Add	New	Parts No.	Description	Destination
-			F52-0004-05	FUSE (5A)	
-		*	H10-4847-08	POLYSTYRENE FOAMED FIXTURE (BL)	
-		*	H10-4848-08	POLYSTYRENE FOAMED FIXTURE (BR)	
-		*	H10-4849-08	POLYSTYRENE FOAMED FIXTURE (UL)	
-		*	H10-4850-08	POLYSTYRENE FOAMED FIXTURE (UR)	
-		*	H12-2715-08	PACKING FIXTURE (ACCESSORY)	
-			H25-1163-08	PROTECTION BAG	
-		*	H25-1182-08	PROTECTION BAG (FOR UNIT)	
-		*	H30-0571-08	MAGIC TAPE	
-		*	H30-0572-08	MAGIC TAPE	
-		*	H54-2544-08	ITEM CARTON CASE (KDV-C810)	K
-		*	H54-2545-08	ITEM CARTON CASE (KDV-C820)	E
-		*	H54-2546-08	ITEM CARTON CASE (KDV-C830)	M
-		*	H54-2547-08	ITEM CARTON CASE (KDV-C840)	X
-		*	H54-2548-08	ITEM CARTON CASE (KDV-C860)	C
-		*	J19-5212-08	SHIPPING SCREW	
-		*	J21-9966-08	MOUNTING HARDWARE	XC
-		*	J30-1079-08	SPACER	XC
-		*	W01-1603-08	CLEANING CLOTH	
220	3B	*	A10-5053-08	CHASSIS ASS'Y	
221	3A	*	A10-5054-08	CHASSIS ASS'Y	
222	2A	*	A11-1624-08	SUB CHASSIS	
223	2A	*	A11-1625-08	SUB CHASSIS	
224	2A	*	A10-5055-08	CHASSIS	
225	1A	*	A10-5056-08	CHASSIS	
226	1A	*	A10-5057-08	CHASSIS	
227	2C	*	A10-5058-08	CHASSIS ASS'Y	
228	3D	*	A10-5059-08	CHASSIS	
229	2A	*	A22-2987-08	SUB PANEL	
230	3A	*	D13-2281-08	GEAR	
231	3B	*	D13-2282-08	GEAR	
232	3A	*	D13-2283-08	GEAR	
233	2A	*	D10-4734-08	LEVER	
234	2A	*	D14-0784-08	ROLLER	
235	3A	*	D10-4735-08	ARM ASS'Y	
236	3A	*	D10-4736-08	ARM ASS'Y	
237	2A	*	D32-0650-08	STOPPER	
238	3A	*	D13-2284-08	GEAR	
239	3A	*	D10-4737-08	LEVER	
240	3A	*	D10-4738-08	LEVER	
241	3A	*	D32-0651-08	STOPPER	
242	1C	*	D13-2285-08	GEAR	
243	3D	*	D10-4746-08	LEVER	
243	1C	*	D13-2286-08	GEAR	
244	1C	*	D13-2287-08	GEAR	
245	2C	*	D10-4739-08	LEVER	
246	1C	*	D10-4740-08	LEVER	
247	3C	*	D10-4741-08	ARM	
248	2A	*	D10-4742-08	SLIDER	
249	2A	*	D10-4743-08	LEVER	
250	2A	*	D10-4744-08	LEVER	

K : KDV-C810 (for North America) E : KDV-C820 (for Europe)

M : KDV-C830 (for Southeastern Asia)

X : KDV-C840 (for Australia)

C : KDV-C860 (for China)

△ Indicates safety critical components.

KDV-C810/C820/C830 /C840/C860

PARTS LIST

* New parts

Parts without **Parts No.** are not supplied.

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Teile ohne **Parts No.** werden nicht geliefert.

MECHANISM ASSY

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
251	2A	*	D13-2288-08	GEAR	
252	3D	*	D10-4745-08	LEVER	
254	3D	*	D10-4747-08	ARM	
255	3D	*	D21-2423-08	SHAFT	
261	2C	*	F09-1788-08	SHEET	
262	2C	*	F19-1406-08	COVER	
263	3D	*	F09-1789-08	SHEET	
264	3C	*	G13-1260-08	CUSHION	
265	3A	*	G02-1459-08	FLAT SPRING	
266	2A	*	G01-3177-08	EXTENSION SPRING	
267	2A	*	G01-3178-08	EXTENSION SPRING	
268	3A	*	G01-3179-08	EXTENSION SPRING	
269	3A	*	G01-3180-08	TORSION COIL SPRING	
270	1A	*	G01-3187-08	EXTENSION SPRING	
271	2D	*	G02-1460-08	FLAT SPRING	
272	2C	*	G01-3181-08	EXTENSION SPRING	
273	2C	*	G02-1461-08	FLAT SPRING	
274	3C	*	G01-3182-08	COMPRESSION SPRING	
275	2A	*	G01-3183-08	EXTENSION SPRING	
276	2A	*	G02-1462-08	FLAT SPRING	
277	2A	*	G01-3184-08	TORSION COIL SPRING	
278	3D	*	G13-1261-08	CUSHION	
279	3D	*	G01-3185-08	EXTENSION SPRING	
280	3D	*	G01-3186-08	TORSION COIL SPRING	
281	3A	*	J90-1059-08	GUIDE	
282	2D	*	J90-1060-08	GUIDE	
283	2C	*	J90-1061-08	GUIDE	
284	2C	*	J21-9991-08	MOUNTING HARDWARE	
285	1C	*	J19-5214-08	HOLDER	
286	1C	*	J31-1053-08	COLLAR	
288	2A	*	J19-5215-08	HOLDER	
289	2A	*	J12-1227-08	PIN	
290	3D	*	J90-1062-08	GUIDE	
291	3C	*	J90-1063-08	GUIDE	
292	3D	*	J19-5216-08	BRACKET	
293	2D	*	J11-0652-08	CLAMPER	
294	2D	*	J11-0653-08	CLAMPER	
295	2A	*	J31-1054-08	COLLAR	
FC1	2B	*	E39-0521-08	FLAT CABLE 40PIN	
FC2	2A	*	E39-0517-08	FLAT CABLE 20PIN	
FC3	1D	*	E39-0515-08	FLAT CABLE 30PIN	
FC4	1D	*	E39-0514-08	FLAT CABLE 25PIN	
FC5	3D	*	E39-0518-08	FLAT CABLE 4PIN	
A	2A		N09-4349-05	TAPTITE SCREW	
B	3A	*	N09-6078-08	SEMS (TAPTITE SCREW)	
C	3A	*	N09-6079-08	TAPTITE SCREW	
D	3A	*	N09-6080-08	TAPTITE SCREW	
E	2C	*	N09-6081-08	TAPTITE SCREW	
F	3D	*	N09-6082-08	TAPTITE SCREW	
G	2D	*	N09-6083-08	TAPTITE SCREW	
H	3D	*	N09-6084-08	TAPTITE SCREW	
I	2C	*	N09-6085-08	TAPTITE SCREW	
J	2A	*	N09-6086-08	TAPTITE SCREW	

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
K	2C		N38-2025-46	PAN HEAD MACHIN SCREW	
L	3B		N84-2004-46	PAN HEAD TAPTITE SCREW	
M	1C		N86-2004-46	BINDING HEAD TAPTITE SCREW	
N	2B		N80-3008-41	PAN HEAD TAPTITE SCREW	
P	1B	*	N86-2605-41	BINDING HEAD TAPTITE SCREW	
Q	3B		N86-2605-46	BINDING HEAD TAPTITE SCREW	
S	1C	*	N19-2177-08	FLAT WASHER	
T	1C	*	N19-2178-08	FLAT WASHER	
U	1C	*	N19-2179-08	FLAT WASHER	
V	3A	*	N29-0532-08	RETAINING RING	
W	3A	*	N29-0533-08	RETAINING RING	
X	3A	*	N29-0534-08	RETAINING RING	
Y	3D	*	N29-0535-08	RETAINING RING	
SW4	1C	*	S68-0878-08	INSIDE SW	
SW5	3A	*	S68-0858-08	MAGAZINE IN SW	
VM2	1C	*	T42-1079-08	MOTOR ASS'Y FEED MOTOR	
VM3	2D	*	T42-1080-08	MOTOR ASS'Y LOADING MOTOR	
VM4	3B	*	T42-1078-08	MOTOR ASS'Y ELEVATOR MOTOR	
VPU1	1C	*	T25-0227-08	PICKUP (WITH VM1, VN2, PHT2, SW4)	
SENSOR UNIT					
D1		*	PS1191RA-32	PHOTO DIODE (DISC DET)	
SW1			S68-0858-08	PUSH SWITCH (LOAD OUT SW)	
SWITCH UNIT					
SW2 ,3			S68-0858-08	PUSH SWITCH (UP /DOWN SW)	
SW302		*	S74-0820-08	MICRO SWITCH (CLAMP SW)	
EV UNIT					
PHT1		*	T95-0256-08	OPT ISOLATOR (POSITION SENSOR)	
DVD UNIT					
C1 ,2			C93-1196-08	CHIP C 0.1UF 16WV	
C3			C92-1625-08	CHIP-TAN 33UF 10WV	
C4 -7			C93-1196-08	CHIP C 0.1UF 16WV	
CS2			E40-9619-05	FLAT CABLE CONNECTOR (20PIN)	
CS3			E40-5169-05	PIN ASS'Y (4PIN)	
CS4			E40-9403-05	FLAT CABLE CONNECTOR (4PIN)	
CS6			E40-9700-05	FLAT CABLE CONNECTOR (25PIN)	
CS7 ,8			E40-9353-05	FLAT CABLE CONNECTOR (30PIN)	
R1 ,2			RK73GB1J101J	CHIP R 100 J 1/16W	
R3		*	R92-3403-08	CHIP R 0.56 J 1/16W	
R5			RK73GB1J331J	CHIP R 330 J 1/16W	
IC1		*	BA6849FP-Y	ANALOGUE IC	
LED1		*	AN1102W-3	PHOTO DIODE	
MAIN UNIT					
C100-102			C93-1196-08	CHIP C 0.1UF 16WV	
C103,104			C92-1625-08	CHIP-TAN 33UF 10WV	
C105			C92-1686-08	CHIP C 10UF 6.3WV	
C106,107			C93-1196-08	CHIP C 0.1UF 16WV	
C108,109			CK73GB1H102K	CHIP C 1000PF K	
C110			C93-1196-08	CHIP C 0.1UF 16WV	
C111			C92-1686-08	CHIP C 10UF 6.3WV	
C112,113			C93-1196-08	CHIP C 0.1UF 16WV	
C114,115			CK73GB1H102K	CHIP C 1000PF K	

K : KDV-C810 (for North America) **E** : KDV-C820 (for Europe)

M : KDV-C830 (for Southeastern Asia)

32 X : KDV-C840 (for Australia) **C** : KDV-C860 (for China)

△ Indicates safety critical components.

PARTS LIST

* New parts

Parts without **Parts No.** are not supplied.

Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.

Teile ohne **Parts No.** werden nicht geliefert.

MAIN UNIT

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
C116			C93-1196-08	CHIP C 0.1UF 16WV	
C117			CK73GB1H103K	CHIP C 0.010UF K	
C120,121			C93-1196-08	CHIP C 0.1UF 16WV	
C122-124			CC73GCH1H331J	CHIP C 330PF J	
C126			C93-1196-08	CHIP C 0.1UF 16WV	
C127			C92-1627-08	CHIP-TAN 22UF 10WV	
C128			C93-1196-08	CHIP C 0.1UF 16WV	
C129			C92-1686-08	CHIP C 10UF 6.3WV	
C130			C93-1196-08	CHIP C 0.1UF 16WV	
C131,132			C92-1686-08	CHIP C 10UF 6.3WV	
C133			C93-1196-08	CHIP C 0.1UF 16WV	
C134			CK73GB1H102K	CHIP C 1000PF K	
C135			C92-1624-08	CHIP-TAN 10UF 10WV	
C136			C93-1196-08	CHIP C 0.1UF 16WV	
C137			CK73GB1H103K	CHIP C 0.010UF K	
C139,140			C92-1621-08	CHIP-TAN 33UF 4WV	
C141			C92-1625-08	CHIP-TAN 33UF 10WV	
C150			C92-1686-08	CHIP C 10UF 6.3WV	
C153,154			CK73GB1H103K	CHIP C 0.010UF K	
C155-157			C93-1196-08	CHIP C 0.1UF 16WV	
C158			CC73GCH1H101J	CHIP C 100PF J	
C159,160			C93-1196-08	CHIP C 0.1UF 16WV	
C161			CK73GB1H102K	CHIP C 1000PF K	
C162			CC73GCH1H101J	CHIP C 100PF J	
C163			CK73GB1H102K	CHIP C 1000PF K	
C201			CK73GB1H682K	CHIP C 6800PF K	
C202			CK73GB1H153K	CHIP C 0.015UF K	
C203			C93-1196-08	CHIP C 0.1UF 16WV	
C204			CC73GCH1H101J	CHIP C 100PF J	
C205			CC73GCH1H471J	CHIP C 470PF J	
C206			CK73GB1H222K	CHIP C 2200PF K	
C207			CC73GCH1H471J	CHIP C 470PF J	
C208			C92-1624-08	CHIP-TAN 10UF 10WV	
C209			C93-1196-08	CHIP C 0.1UF 16WV	
C210			C92-1624-08	CHIP-TAN 10UF 10WV	
C211			C93-1196-08	CHIP C 0.1UF 16WV	
C212,213			CC73GCH1H331J	CHIP C 330PF J	
C214-221			C93-1196-08	CHIP C 0.1UF 16WV	
C222			CK73GB1H222K	CHIP C 2200PF K	
C223			CK73GB1H153K	CHIP C 0.015UF K	
C224			CK73GB1H102K	CHIP C 1000PF K	
C225			CC73GCH1H101J	CHIP C 100PF J	
C236			CC73GCH1H151J	CHIP C 150PF J	
C237,238			C93-1196-08	CHIP C 0.1UF 16WV	
C239			C92-1686-08	CHIP C 10UF 6.3WV	
C240			C93-1196-08	CHIP C 0.1UF 16WV	
C241			C92-1624-08	CHIP-TAN 10UF 10WV	
C242			C93-1196-08	CHIP C 0.1UF 16WV	
C243-245			C92-1686-08	CHIP C 10UF 6.3WV	
C248			C93-1196-08	CHIP C 0.1UF 16WV	
C250			C92-1686-08	CHIP C 10UF 6.3WV	
C251-256			C93-1196-08	CHIP C 0.1UF 16WV	
C257,258			CC73GCH1H050C	CHIP C 5.0PF C	
C260			C93-1196-08	CHIP C 0.1UF 16WV	
C261			C92-1654-08	ELECTRO 100UF 6.3WV	

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
C282			C93-1196-08	CHIP C 0.1UF 16WV	
C283			C92-1624-08	CHIP-TAN 10UF 10WV	
C284			C93-1196-08	CHIP C 0.1UF 16WV	
C301		*	C92-1771-08	ELECTRO 22UF 16WV	
C302			C92-1341-05	ELECTRO 100UF 16WV	
C303			C93-1196-08	CHIP C 0.1UF 16WV	
C304		*	C92-1771-08	ELECTRO 22UF 16WV	
C305		*	C92-1772-08	ELECTRO 0.01F 16WV	
C306			C92-1341-05	ELECTRO 100UF 16WV	
C307			C92-1698-08	ELECTRO 4.7UF 25WV	
C308			C92-1351-05	ELECTRO 10UF 16WV	
C309			C93-1196-08	CHIP C 0.1UF 16WV	
C310			C92-1698-08	ELECTRO 4.7UF 25WV	
C311			C93-1196-08	CHIP C 0.1UF 16WV	
C312,313			C92-1341-05	ELECTRO 100UF 16WV	
C314,315			C93-1196-08	CHIP C 0.1UF 16WV	
C316			CK73GB1H103K	CHIP C 0.010UF K	
C317,318			C93-1196-08	CHIP C 0.1UF 16WV	
C319			C92-1341-05	ELECTRO 100UF 16WV	
C320			C93-1196-08	CHIP C 0.1UF 16WV	
C322			CK73GB1E223K	CHIP C 0.022UF K	
C323			CK73GB1H103K	CHIP C 0.010UF K	
C324			C93-1196-08	CHIP C 0.1UF 16WV	
C325			CK73GB1H103K	CHIP C 0.010UF K	
C326			C93-1196-08	CHIP C 0.1UF 16WV	
C328,329			C93-1196-08	CHIP C 0.1UF 16WV	
C330		*	C92-1771-08	ELECTRO 22UF 16WV	
CS101			E40-9353-05	FLAT CABLE CONNECTOR (30PIN)	
CS102			E40-9700-05	FLAT CABLE CONNECTOR (25PIN)	
CS201		*	E41-0371-08	FLAT CABLE CONNECTOR (40PIN)	
CS202		*	E40-5175-05	PIN ASS'Y (10PIN)	
CS301			E40-9619-05	FLAT CABLE CONNECTOR (20PIN)	
CS302			E41-0207-08	PIN ASS'Y (5PIN)	
CS303			E40-5167-05	PIN ASS'Y (2PIN)	
CS304		*	E41-0370-08	FLAT CABLE CONNECTOR (7PIN)	
BL301-304			L79-0970-08	LC FILTER	
L301-304			L92-0337-05	CHIP FERRITE	
X151			L78-0811-05	RESONATOR 16MHz	
X201		*	L78-0874-08	RESONATOR 22.57MHz	
X250		*	L78-0875-08	RESONATOR 50MHz	
X301			L78-0571-05	RESONATOR 8.38MHz	
R110			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R111			RK73GB1J103J	CHIP R 10K J 1/16W	
R112,113			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R114			RK73GB1J123J	CHIP R 12K J 1/16W	
R115			RK73GB1J103J	CHIP R 10K J 1/16W	
R116			RK73GB1J101J	CHIP R 100 J 1/16W	
R118			RK73GB1J104J	CHIP R 100K J 1/16W	
R119			RK73GB1J100J	CHIP R 10 J 1/16W	
R120			R92-3306-08	CHIP R 1K J 1/16W	
R121			RK73GB1J100J	CHIP R 10 J 1/16W	
R122			R92-3306-08	CHIP R 1K J 1/16W	
R131			RK73GB1J682J	CHIP R 6.8K J 1/16W	

K : KDV-C810 (for North America) E : KDV-C820 (for Europe)
M : KDV-C830 (for Southeastern Asia)
X : KDV-C840 (for Australia) C : KDV-C860 (for China)

△ Indicates safety critical components.

KDV-C810/C820/C830 /C840/C860

PARTS LIST

* New parts

Parts without **Parts No.** are not supplied.

Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.

Teile ohne **Parts No.** werden nicht geliefert.

MAIN UNIT

Ref. No.	A d	N e w	Parts No.	Description	Desti- nation
R132			RK73GB1J392J	CHIP R 3.9K J 1/16W	
R133			RK73GB1J273J	CHIP R 27K J 1/16W	
R134			RK73GB1J223J	CHIP R 22K J 1/16W	
R135			RK73GB1J333J	CHIP R 33K J 1/16W	
R151			RK73GB1J473J	CHIP R 47K J 1/16W	
R152			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R153			RK73GB1J473J	CHIP R 47K J 1/16W	
R155			RK73GB1J473J	CHIP R 47K J 1/16W	
R156			R92-3306-08	CHIP R 1K J 1/16W	
R157			RK73GB1J473J	CHIP R 47K J 1/16W	
R158			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R159			RK73GB1J103J	CHIP R 10K J 1/16W	
R201			RK73GB1J473J	CHIP R 47K J 1/16W	
R202			RK73GB1J272J	CHIP R 2.7K J 1/16W	
R206,207			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R209			R92-3306-08	CHIP R 1K J 1/16W	
R210			RK73GB1J103J	CHIP R 10K J 1/16W	
R216			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R217			R92-3306-08	CHIP R 1K J 1/16W	
R220		*	R92-3402-08	CHIP R 2.2M J 1/16W	
R221			RK73GB1J474J	CHIP R 470K J 1/16W	
R222			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R230		*	R92-3400-08	CHIP R 56K J 1/16W	
R231		*	R92-3399-08	CHIP R 27K J 1/16W	
R232		*	R92-3400-08	CHIP R 56K J 1/16W	
R233		*	R92-3399-08	CHIP R 27K J 1/16W	
R237		*	R92-3401-08	CHIP R 560K J 1/16W	
R240			RK73GB1J101J	CHIP R 100 J 1/16W	
R241			RK73GB1J183J	CHIP R 18K J 1/16W	
R245,246			R92-3306-08	CHIP R 1K J 1/16W	
R249			RK73GB1J103J	CHIP R 10K J 1/16W	
R250			RK73GB1J105J	CHIP R 1.0M J 1/16W	
R251,252			RK73GB1J561J	CHIP R 560 J 1/16W	
R253			RK73GB1J101J	CHIP R 100 J 1/16W	
R301			R92-3338-08	CHIP R 100 J 1/2W	
R302			RK73GB1J103J	CHIP R 10K J 1/16W	
R303			R92-3306-08	CHIP R 1K J 1/16W	
R304			R92-3303-08	CHIP R 1K J 1/2W	
R305			RK73GB1J473J	CHIP R 47K J 1/16W	
R306			RK73GB1J103J	CHIP R 10K J 1/16W	
R307			R92-3303-08	CHIP R 1K J 1/2W	
R308			R92-3338-08	CHIP R 100 J 1/2W	
R309			RK73GB1J103J	CHIP R 10K J 1/16W	
R310			RK73GB1J153J	CHIP R 15K J 1/16W	
R311			RK73GB1J104J	CHIP R 100K J 1/16W	
R312,313			RK73GB1J473J	CHIP R 47K J 1/16W	
R314			RK73GB1J561J	CHIP R 560 J 1/16W	
R315			RK73GB1J473J	CHIP R 47K J 1/16W	
R316			RK73GB1J104J	CHIP R 100K J 1/16W	
R317,318			RK73GB1J473J	CHIP R 47K J 1/16W	
R319			RK73GB1J681J	CHIP R 680 J 1/16W	
R320			RK73GB1J473J	CHIP R 47K J 1/16W	
R321			R92-3306-08	CHIP R 1K J 1/16W	
R322			RK73GB1J101J	CHIP R 100 J 1/16W	
R323			R92-3306-08	CHIP R 1K J 1/16W	

Ref. No.	A d	N e w	Parts No.	Description	Desti- nation
R324,325			RK73GB1J473J	CHIP R 47K J 1/16W	
R326			RK73GB1J391J	CHIP R 390 J 1/16W	
R327-329			RK73GB1J473J	CHIP R 47K J 1/16W	
R331,332			R92-1252-05	CHIP R 0 OHM J 1/16W	
R333			RK73GB1J473J	CHIP R 47K J 1/16W	
R334,335			RK73GB1J104J	CHIP R 100K J 1/16W	
R336			RK73GB1J103J	CHIP R 10K J 1/16W	
R337			RK73GB1J101J	CHIP R 100 J 1/16W	
R339			R92-1217-05	CHIP R 0 OHM	
R340			RK73GB1J391J	CHIP R 390 J 1/16W	
R341			RK73GB1J153J	CHIP R 15K J 1/16W	
R342			RK73GB1J103J	CHIP R 10K J 1/16W	
R343-345			RK73GB1J104J	CHIP R 100K J 1/16W	
R346			RK73GB1J392J	CHIP R 3.9K J 1/16W	
R347			RK73GB1J220J	CHIP R 22 J 1/16W	
R348,349			RK73GB1J104J	CHIP R 100K J 1/16W	
R356			RK73GB1J220J	CHIP R 22 J 1/16W	
RA102			R90-0916-05	MULTI-COMP 47K X2	
RA103			R90-0918-05	MULTI-COMP 10K X2	
RA151			R90-1090-08	MULTI-COMP 1K X2	
RA152			R90-1084-08	MULTI-COMP 47K X4	
RA154,155			R90-1084-08	MULTI-COMP 47K X4	
RA157			R90-1084-08	MULTI-COMP 47K X4	
RA162			R90-1090-08	MULTI-COMP 1K X2	
RA201			R90-0918-05	MULTI-COMP 10K X2	
RA202			R90-1090-08	MULTI-COMP 1K X2	
RA203			R90-1083-08	MULTI-COMP 10K X4	
RA204,205			R90-0916-05	MULTI-COMP 47K X2	
RA250-264			R90-1064-08	MULTI-COMP 47 X2	
RA301			R90-1084-08	MULTI-COMP 47K X4	
RA302		*	R90-1527-08	MULTI-COMP 22 X2	
RA303		*	R90-1528-08	MULTI-COMP 22 X4	
RA304,305		*	R90-1527-08	MULTI-COMP 22 X2	
RA306		*	R90-1528-08	MULTI-COMP 22 X4	
RA307		*	R90-1527-08	MULTI-COMP 22 X2	
SVR201			R32-0283-08	SEMI FIXED VARIABLE RESISTOR	
SW301		*	S70-0900-08	EJECT SW	
D101,102			DAP202U	DIODE	
D105			DAN202U	DIODE	
D301			RB400D	DIODE	
D302			MA152K	DIODE	
D303			LFB01	DIODE	
D304			MA152K	DIODE	
IC101		*	TA1293F	ANALOGUE IC	
IC102		*	BA5918FP-Y	ANALOGUE IC	
IC103		*	RN5RG33AA	ANALOGUE IC	
IC104		*	MMDF2P01HD	TRANSISTOR	
IC105			TC75S51F	ANALOGUE IC	
IC108		*	LM50CIM3	ANALOGUE IC	
IC151		*	HD64F3039TEBL1	MI-COM IC	
IC152		*	TC7ST08FU	MOS-IC	
IC153		*	IC-PST597EN	MOS-IC	
IC154			TC7WU04FU	MOS-IC	

K : KDV-C810 (for North America) E : KDV-C820 (for Europe)
M : KDV-C830 (for Southeastern Asia)

X : KDV-C840 (for Australia) C : KDV-C860 (for China)

△ Indicates safety critical components.

PARTS LIST

* New parts

Parts without **Parts No.** are not supplied.

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Teile ohne **Parts No.** werden nicht geliefert.

MAIN UNIT

Ref. No.	Add	New	Parts No.	Description	Destination	Ref. No.	Add	New	Parts No.	Description	Destination
IC201		*	TC9453AF	MOS-IC		C102,103			CC73GCH1H471J	CHIP C 470PF J	
IC202		*	LH61665AS-60E2	MEMORY IC		C104			C92-0524-05	CHIP-ELE 22UF 6.3WV	
IC250		*	TC9469BF	MOS-IC		C105			C92-0523-05	CHIP-ELE 10UF 16WV	
IC251		*	MSM514265C50TS	MEMORY IC		C106			CK73GB1H152K	CHIP C 1500PF K	
IC301		*	UPD78F0034AGK9	MI-COM IC		C108		*	C92-1773-08	ELECTRO 47UF 16WV	
IC302		*	S-24C04BFJ	MEMORY IC		C111			C92-0523-05	CHIP-ELE 10UF 16WV	
IC303		*	L78M05TL	ANALOGUE IC		C112,113			CC73GCH1H471J	CHIP C 470PF J	
IC304,305		*	BA6289F	ANALOGUE IC		C114			C92-0524-05	CHIP-ELE 22UF 6.3WV	
IC306			S-80732AN-DW	MOS-IC		C115			C92-0523-05	CHIP-ELE 10UF 16WV	
IC307			S-81250HG-RD	ANALOGUE IC		C116			CK73GB1H152K	CHIP C 1500PF K	
IC308			S-80732AN-DW	MOS-IC		C118		*	C92-1773-08	ELECTRO 47UF 16WV	
Q101			2SB1424-R	TRANSISTOR		C119			C92-0523-05	CHIP-ELE 10UF 16WV	
Q102,103		*	2SA1338-5	TRANSISTOR		C151			C92-0523-05	CHIP-ELE 10UF 16WV	
Q151			DTA114YUA	TRANSISTOR		C152,153			CC73GCH1H471J	CHIP C 470PF J	
Q152		*	2SA1338-5	TRANSISTOR		C154			C92-0524-05	CHIP-ELE 22UF 6.3WV	
Q301			2SB1424-R	TRANSISTOR		C155			C92-0523-05	CHIP-ELE 10UF 16WV	
Q302			DTC114YK	TRANSISTOR		C156			CK73GB1H152K	CHIP C 1500PF K	
Q303			DTA114YK	TRANSISTOR		C161			C92-0523-05	CHIP-ELE 10UF 16WV	
Q304			2SC2412K-R	TRANSISTOR		C162,163			CC73GCH1H471J	CHIP C 470PF J	
Q305			DTC124EK	TRANSISTOR		C164			C92-0524-05	CHIP-ELE 22UF 6.3WV	
Q307			2SC2412K-R	TRANSISTOR		C165			C92-0523-05	CHIP-ELE 10UF 16WV	
ZD301			02CZ8.2-Y	ZENER DIODE		C166			CK73GB1H152K	CHIP C 1500PF K	
ZD303			02CZ6.2-Y	ZENER DIODE		C169			C92-0523-05	CHIP-ELE 10UF 16WV	
ZD305			02CZ6.2-Y	ZENER DIODE		C170,171			C93-1196-08	CHIP C 0.1UF 16WV	
						C181,182			CC73GCH1H100D	CHIP C 10PF D	
MPEG UNIT											
C2		*	C90-5386-05	ELECTRO 470UF 25WV		C182			C93-1207-08	CHIP C 56PF 50WV	
C3			C93-1196-08	CHIP C 0.1UF 16WV		C184,185			CK73EB1A475K	CHIP C 4.7UF K	
C4			CK73GB1H102K	CHIP C 1000PF K		C186		*	C92-1774-08	ELECTRO 47UF 6.3WV	
C5			C93-1208-08	CHIP C 120PF 50WV		C187			C92-1688-08	ELECTRO 330UF 6.3WV	
C6			CK73GB1H102K	CHIP C 1000PF K		C188		*	C92-1774-08	ELECTRO 47UF 6.3WV	
C7			C93-1204-08	CHIP C 33PF 50WV		C189			C92-1688-08	ELECTRO 330UF 6.3WV	
C8			CC73GCH1H331J	CHIP C 330PF J		C190-194			C93-1196-08	CHIP C 0.1UF 16WV	
C9			C93-1204-08	CHIP C 33PF 50WV		C195			C92-0524-05	CHIP-ELE 22UF 6.3WV	
C10			CC73GCH1H331J	CHIP C 330PF J		C196,197			CC73GCH1H101J	CHIP C 100PF J	
C11			C93-1208-08	CHIP C 120PF 50WV		C501-506			C93-1196-08	CHIP C 0.1UF 16WV	
C12			CK73GB1H102K	CHIP C 1000PF K		C507			CC73GCH1H151J	CHIP C 150PF J	
C13,14			C93-1196-08	CHIP C 0.1UF 16WV		C508-524			C93-1196-08	CHIP C 0.1UF 16WV	
C15			C93-1161-08	CHIP C 1.0UF Z		C525			CK73GB1H102K	CHIP C 1000PF K	
C16			C93-1196-08	CHIP C 0.1UF 16WV		C526			C93-1196-08	CHIP C 0.1UF 16WV	
C17		*	C92-0525-05	CHIP-ELE 4.7UF 25WV		C528,529			C93-1196-08	CHIP C 0.1UF 16WV	
C18			C93-1196-08	CHIP C 0.1UF 16WV		C531			CK73GB1H102K	CHIP C 1000PF K	
C19,20			C92-1689-08	ELECTRO 82UF 6.3WV		C536-542			C93-1196-08	CHIP C 0.1UF 16WV	
C21,22			CK73GB1H103K	CHIP C 0.010UF K		C544-547			C93-1196-08	CHIP C 0.1UF 16WV	
C53		*	C90-5464-08	ELECTRO 2200UF 25WV		C548			C92-0524-05	CHIP-ELE 22UF 6.3WV	
C54		*	C92-1773-08	ELECTRO 47UF 16WV		C551			C93-1196-08	CHIP C 0.1UF 16WV	
C55-58			CK73GB1H103K	CHIP C 0.010UF K		C561			C92-1688-08	ELECTRO 330UF 6.3WV	
C61		*	C92-1773-08	ELECTRO 47UF 16WV		C562,563			C92-0523-05	CHIP-ELE 10UF 16WV	
C62-66			C93-1196-08	CHIP C 0.1UF 16WV		C564-567			C93-1196-08	CHIP C 0.1UF 16WV	
C70-73			C93-1196-08	CHIP C 0.1UF 16WV		C568			CK73GB1H102K	CHIP C 1000PF K	
C81		*	C92-1774-08	ELECTRO 47UF 6.3WV		C571			C92-1688-08	ELECTRO 330UF 6.3WV	
C82			C93-1196-08	CHIP C 0.1UF 16WV		C572-575			C93-1196-08	CHIP C 0.1UF 16WV	
C83			C92-0523-05	CHIP-ELE 10UF 16WV		C576			C92-0523-05	CHIP-ELE 10UF 16WV	
C84			C93-1196-08	CHIP C 0.1UF 16WV		C577			CK73GB1H102K	CHIP C 1000PF K	
C85			C92-0523-05	CHIP-ELE 10UF 16WV		C578,579			C93-1196-08	CHIP C 0.1UF 16WV	
C101			C92-0523-05	CHIP-ELE 10UF 16WV		C581			C93-1196-08	CHIP C 0.1UF 16WV	

K : KDV-C810 (for North America) **E** : KDV-C820 (for Europe)
M : KDV-C830 (for Southeastern Asia)
X : KDV-C840 (for Australia) **C** : KDV-C860 (for China)

△ Indicates safety critical components.

KDV-C810/C820/C830 /C840/C860

PARTS LIST

* New parts

Parts without **Parts No.** are not supplied.

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Teile ohne **Parts No.** werden nicht geliefert.

MPEG UNIT

Ref. No.	A d	N e w	Parts No.	Description	Desti- nation
C583,584			C93-1196-08	CHIP C 0.1UF 16WV	
C591			C93-1196-08	CHIP C 0.1UF 16WV	
C911-922			C93-1196-08	CHIP C 0.1UF 16WV	
C924			C93-1196-08	CHIP C 0.1UF 16WV	
CT551		*	C05-0520-08	TRIMMER C20PF	
CS1		*	E30-6139-08	DC CORD	
CS2		*	E30-6140-08	CORD WITH MINI PLUG CONNECTOR	
CS3			E06-1301-05	DIN COCKET (13PIN)	
CS151		*	E30-6141-08	CORD WITH PINPLUG (AV OUTPUT)	
CS581		*	E58-0956-08	DIGITAL OPTICAL OUTPUT	
CS901		*	E41-0372-08	FLAT CABLE CONNECTOR (40PIN)	
CS911			E40-9619-05	FLAT CABLE CONNECTOR (20PIN)	
CS912		*	E41-0373-08	PIN ASS'Y (10PIN)	
BL901-905			L79-0970-08	LC FILTER	
C51,52		*	L79-0984-08	FILTER 0.2UF	
L2,3			L33-1185-08	SMALL FIXED INDUCTOR	
L51			L33-1824-08	SMALL FIXED INDUCTOR	
L52,53			L92-0179-05	CHIP FERRITE	
L54-57			L92-0337-05	CHIP FERRITE	
L59			L92-0337-05	CHIP FERRITE	
L65			L92-0343-08	CHIP FERRITE	
L71		*	L92-0369-08	CHIP FERRITE	
L72			L92-0337-05	CHIP FERRITE	
L81-85			L92-0343-08	CHIP FERRITE	
L100			L92-0337-05	CHIP FERRITE	
L111		*	L92-0369-08	CHIP FERRITE	
L151			L92-0337-05	CHIP FERRITE	
L171		*	L92-0369-08	CHIP FERRITE	
L181		*	L33-1901-08	SMALL FIXED INDUCTOR	
L182		*	L92-0369-08	CHIP FERRITE	
L193			L92-0343-08	CHIP FERRITE	
L501-504		*	L92-0369-08	CHIP FERRITE	
L511		*	L92-0369-08	CHIP FERRITE	
L514,515		*	L92-0369-08	CHIP FERRITE	
L551		*	L92-0369-08	CHIP FERRITE	
L571,572		*	L92-0369-08	CHIP FERRITE	
L581,582		*	L92-0369-08	CHIP FERRITE	
L591		*	L92-0369-08	CHIP FERRITE	
L901-908		*	L92-0370-08	CHIP FERRITE	
L913,914			L92-0179-05	CHIP FERRITE	
X551		*	L77-2834-08	CRYSTAL RESONATOR (27MHZ)	
BR501,502		*	R90-1530-08	MULTI-COMP 33 X2	
BR503-506		*	R90-1531-08	MULTI-COMP 33 X4	
BR507-509		*	R90-1530-08	MULTI-COMP 33 X2	
BR510			R90-1048-05	MULTI-COMP 4.7K X2	
BR511,512			R90-1087-08	MULTI-COMP 1K X4	
BR551		*	R90-1530-08	MULTI-COMP 33 X2	
BR573			R90-1062-08	MULTI-COMP 100 X2	
BR591			R90-1048-05	MULTI-COMP 4.7K X2	
BR901		*	R90-1530-08	MULTI-COMP 33 X2	
BR902		*	R90-1531-08	MULTI-COMP 33 X4	
BR903		*	R90-1529-08	MULTI-COMP 22 X2	
BR904-907		*	R90-1531-08	MULTI-COMP 33 X4	
BR911-914		*	R90-1531-08	MULTI-COMP 33 X4	

Ref. No.	A d	N e w	Parts No.	Description	Desti- nation
R1		*	R92-3408-08	CHIP R 120K J 1/16W	
R2		*	R92-3406-08	CHIP R 22K J 1/16W	
R3,4			RK73GB1J153J	CHIP R 15K J 1/16W	
R5		*	R92-3407-08	CHIP R 30K J 1/16W	
R6			R92-3305-08	CHIP R 100K J 1/16W	
R7			RK73FB2A100J	CHIP R 10 J 1/10W	
R8			RK73GB1J104J	CHIP R 100K J 1/16W	
R9			R92-3296-08	CHIP R 0.047 J 1/2W	
R10			R92-3251-08	CHIP R 0.024 J 1/2W	
R11-14			RK73GB1J220J	CHIP R 22 J 1/16W	
R51		*	R92-3404-08	CHIP R 560 J 1/2W	
R54-56			R92-3306-08	CHIP R 1K J 1/16W	
R61			RK73GB1J103J	CHIP R 10K J 1/16W	
R71			RK73GB1J101J	CHIP R 100 J 1/16W	
R75			RK73GB1J330J	CHIP R 33 J 1/16W	
R81-85			RK73GB1J330J	CHIP R 33 J 1/16W	
R86			RK73GB1J121J	CHIP R 120 J 1/16W	
R87			RK73GB1J151J	CHIP R 150 J 1/16W	
R101,102			RK73GB1J223J	CHIP R 22K J 1/16W	
R103,104			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R105			RK73GB1J103J	CHIP R 10K J 1/16W	
R106			RK73GB1J152J	CHIP R 1.5K J 1/16W	
R107			RK73GB1J561J	CHIP R 560 J 1/16W	
R108			RK73GB1J104J	CHIP R 100K J 1/16W	
R111,112			RK73GB1J223J	CHIP R 22K J 1/16W	
R113,114			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R115			RK73GB1J103J	CHIP R 10K J 1/16W	
R116			RK73GB1J152J	CHIP R 1.5K J 1/16W	
R117			RK73GB1J561J	CHIP R 560 J 1/16W	
R118			RK73GB1J104J	CHIP R 100K J 1/16W	
R151,152			RK73GB1J223J	CHIP R 22K J 1/16W	
R153,154			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R155			RK73GB1J103J	CHIP R 10K J 1/16W	
R156			RK73GB1J152J	CHIP R 1.5K J 1/16W	
R157			RK73GB1J561J	CHIP R 560 J 1/16W	
R158			RK73GB1J104J	CHIP R 100K J 1/16W	
R161,162			RK73GB1J223J	CHIP R 22K J 1/16W	
R163,164			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R165			RK73GB1J103J	CHIP R 10K J 1/16W	
R166			RK73GB1J152J	CHIP R 1.5K J 1/16W	
R167			RK73GB1J561J	CHIP R 560 J 1/16W	
R168			RK73GB1J104J	CHIP R 100K J 1/16W	
R181			RK73GB1J122J	CHIP R 1.2K J 1/16W	
R182			RK73GB1J681J	CHIP R 680 J 1/16W	
R183			RK73GB1J473J	CHIP R 47K J 1/16W	
R184,185			RK73GB1J103J	CHIP R 10K J 1/16W	
R186,187			RK73GB1J750J	CHIP R 75 J 1/16W	
R188			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R189			RK73GB1J750J	CHIP R 75 J 1/16W	
R501			R92-3306-08	CHIP R 1K J 1/16W	
R502			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R504,505			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R506			RK73GB1J471J	CHIP R 470 J 1/16W	
R507			R92-1252-05	CHIP R 0 OHM J 1/16W	
R508			RK73GB1J330J	CHIP R 33 J 1/16W	

K : KDV-C810 (for North America) **E** : KDV-C820 (for Europe)

M : KDV-C830 (for Southeastern Asia)

X : KDV-C840 (for Australia)

C : KDV-C860 (for China)

△ Indicates safety critical components.

PARTS LIST

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Parts without **Parts No.** are not supplied.

Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.

Teile ohne **Parts No.** werden nicht geliefert.

MPEG UNIT

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation	Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
R509			R92-3306-08	CHIP R 1K J 1/16W		IC581		*	NC7ST08P5	MOS-IC	
R512			R92-3306-08	CHIP R 1K J 1/16W		IC591		*	HN58X2408FPIZ	MEMORY IC	
R513			R92-1252-05	CHIP R 0 OHM J 1/16W		Q1			2SA1622-6	TRANSISTOR	
R551			RK73GB1J105J	CHIP R 1.0M J 1/16W		Q2,3			FDS8936A	TRANSISTOR	
R552			RK73GB1J561J	CHIP R 560 J 1/16W		Q4			DTA113ZUA	TRANSISTOR	
R561			R92-3306-08	CHIP R 1K J 1/16W		Q51			DTC144EUA	TRANSISTOR	
R562			RK73GB1J472J	CHIP R 4.7K J 1/16W		Q52			DTA113ZUA	TRANSISTOR	
R563			R92-1252-05	CHIP R 0 OHM J 1/16W		Q71			DTA114YUA	TRANSISTOR	
R564			RK73GB1J470J	CHIP R 47 J 1/16W		Q72			DTC144EUA	TRANSISTOR	
R571		*	R92-3405-08	CHIP R 12K J 1/16W		Q72			UMC2N	TRANSISTOR	
R573			R92-3306-08	CHIP R 1K J 1/16W		Q101			DTC323TU	TRANSISTOR	
R574			R92-1252-05	CHIP R 0 OHM J 1/16W		Q111			DTC323TU	TRANSISTOR	
R575,576			RK73GB1J391J	CHIP R 390 J 1/16W		Q151			DTC323TU	TRANSISTOR	
R581			RK73GB1J750J	CHIP R 75 J 1/16W		Q161			DTC323TU	TRANSISTOR	
R901			RK73GB1J103J	CHIP R 10K J 1/16W		Q171,172			DTA113ZUA	TRANSISTOR	
R903,904			RK73GB1J103J	CHIP R 10K J 1/16W		Q181			DTC144EUA	TRANSISTOR	
R905			R92-3306-08	CHIP R 1K J 1/16W		Q182			2SB709A (R)	TRANSISTOR	
R906,907			RK73GB1J820J	CHIP R 82 J 1/16W							
R908			RK73GB1J330J	CHIP R 33 J 1/16W							
R911			RK73GB1J330J	CHIP R 33 J 1/16W							
R912			R92-3306-08	CHIP R 1K J 1/16W							
R915-918			R92-3306-08	CHIP R 1K J 1/16W							
SW901			S62-0868-08	PAL/NTSC SW							
D1,2			MA142K	DIODE							
D3,4			EP10QY03	DIODE							
D5,6			SB07-03C	DIODE							
D7			1SS355	DIODE							
D51			DSM10C	DIODE							
D171,172			DAN202U	DIODE							
D181			1SS355	DIODE							
DZ2			PTZ3.9B	ZENER DIODE							
DZ3			PTZ6.2B	ZENER DIODE							
DZ51			ZSH5MA27	ZENER DIODE							
DZ71			UDZS5.6B	ZENER DIODE							
DZ72			UDZS6.2B	ZENER DIODE							
DZ81-85			UDZS6.2B	ZENER DIODE							
IC1			LTC1628CG	MOS-IC							
IC61			PQ09DZ1U	ANALOGUE IC							
IC62			S-81250HG-RD	ANALOGUE IC							
IC71			S-81250HG-RD	ANALOGUE IC							
IC81		*	LM1117IMPX-ADJ	ANALOGUE IC							
IC101			NJM4565M-B	ANALOGUE IC							
IC111			NJM4565M-B	ANALOGUE IC							
IC171		*	NC7S04P5	MOS-IC							
IC181,182		*	TK15405AM	ANALOGUE IC							
IC501		*	ES4428S	MOS-IC							
IC511			HY57V641620HGT	MEMORY IC							
IC514		*	MX29F800TTC-90	MEMORY IC							
IC515			TC7S32FU	MOS-IC							
IC516		*	SN74AHC174PW-R	MOS-IC							
IC551			TC7WU04FU	MOS-IC							
IC561			PCM1716E	MOS-IC							
IC571		*	AK8812	MOS-IC							

K : KDV-C810 (for North America) E : KDV-C820 (for Europe)

M : KDV-C830 (for Southeastern Asia)

X : KDV-C840 (for Australia)

C : KDV-C860 (for China)

△ Indicates safety critical components.

SPECIFICATIONS

DVD player section

D/A converter	8Level $\Delta\Sigma$
Wow& Flutter	Below measurable limit
Frequency response	20Hz~44kHz (for DVD 96kHz sampling)
Total harmonic distortion (1 KHz).....	0.01%
Signal to noise ratio	110db
Dynamic range	90db
Cannel separation	90db
MP3 decode format	Compliant with MPEG-1.0/2.0 audio layer3
Disc format.....	DVD-VIDEO/VIDEO-CD/CD-DA/CD-ROM

Output level

Video output	1Vp-p/75 Ω
Audio output	1.2V/10k Ω

General

Operating Voltage	14.4V (11V - 16V)
Current consumption	3A
Dimensions W x H x D	250 x 80 x 200 mm
Weight	2.8kg

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

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