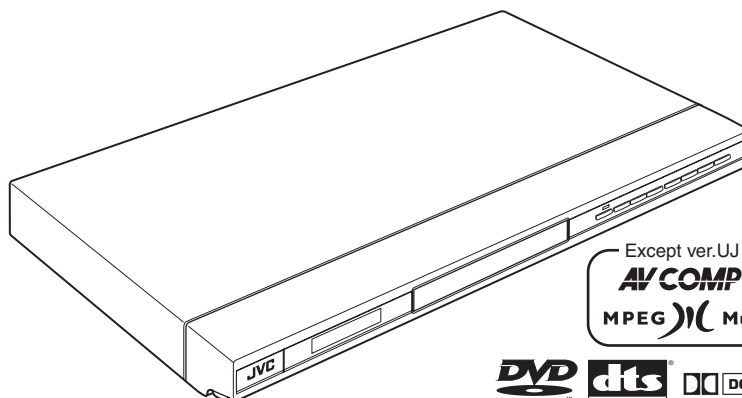
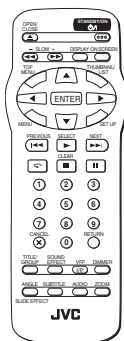




SERVICE MANUAL

DVD PLAYER

**XV-N320BAG2,XV-N322SAA2,XV-N322SAC2,
XV-N322SAG2,XV-N322SAH2,XV-N322SAS2,
XV-N322SAX2,XV-N322STW2,XV-N322SUA2,
XV-N322SUJ2,XV-N322SUM2,XV-N325SUB2**



Area Suffix (XV-N320B)
AG ----- Universal Asia

Area Suffix (XV-N325S)
UB ----- Brazil

Area Suffix (XV-N322S)
AA ----- Australia
AC ----- China
AG ----- Universal Asia
AH ----- Hong Kong
AS ----- Saudi Arabia
AX ----- Middle East
TW ----- Taiwan
UA ----- Argentina
UJ ----- U.S.A Military
UM ----- Latin America

Except ver.UJ

AV COMPU LINK

MPEG 1/2 Multichannel



XV-N320BAG2C,XV-N322SAA2C,XV-N322SAC2C,XV-N322SAG2C,XV-N322SAH2C,XV-N322SAS2C
XV-N322SAX2C,XV-N322STW2C,XV-N322SUA2C,XV-N322SUJ2C,XV-N322SUM2C,XV-N325SUB2C

**This model is a model to which Pick up of "XV-N320B,XV-N322S,XV-N325S"
that has already been put on the market and "Circumference circuit of pick up"
are changed. Please see page 1-3 for details.**

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SPECIFICATION

	XV-N322SUJ2		XV-N320BAG2,XV-N322SAA2,XV-N322SAC2,XV-N322SAG2,XV-N322SAH2, XV-N322SAS2,XV-N322SAX2,XV-N322STW2,XV-N322SUA2,XV-N322SUM2,XV-N325SUB2
General			
Readable discs	DVD VIDEO, DVD-R (Video format), DVD-RW (Video format), SVCD, Video CD, Audio CD (CD-DA), CD-R/RW (CD-DA, SVCD, Video CD, MP3 format, JPEG)		
Video format	NTSC, 480i/480p selectable	NTSC : 525i/525p PAL : 625i/625p	
Other			
Power requirements	AC 110V - 240 V~, 50 Hz/60 Hz (Only for the Australia model: AC 220 V - 240 V~,50Hz)		
Power consumption	11.0 W (POWER ON), 1.0 W (STANDBY mode)		
Mass	1.5 kg		
Dimensions (W × H × D)	435mm × 44mm × 201.5 mm		
Video outputs			
COMPONENT(pin jacks)	Y Output: 1.0 Vp-p (75 Ω)		
	Pb/Pr Output: 0.7Vp-p (75 Ω)		
VIDEO (pin jack)	1.0 Vp-p (75 Ω)		
S-VIDEO (S jacks)	Y Output: 1.0 Vp-p (75 Ω)		
	C Output: 286mVp-p (75 Ω)		
Horizontal resolution	500 lines or more		
Audio outputs			
ANALOG OUT (pin jack)	2.0 Vrms (10 kΩ)		
DIGITAL OUT(COAXIAL)	0.5 Vp-p (75 Ω termination)		
Audio characteristics			
Frequency response	CD (sampling frequency 44.1 kHz):2 Hz to 20 kHz		
	DVD (sampling frequency 48 kHz):2 Hz to 22 kHz (4 Hz to 20 kHz for DTS and Dolby Digital bitstream signals)		
	DVD (sampling frequency 96 kHz):2 Hz to 44 kHz		
Wow and flutter	Unmeasurable (less than +- 0.002%)		
Total harmonic distortion	less than 0.009%		

- Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.
- "DTS" and "DTS Digital Out" are trademarks of Digital Theater Systems, Inc.
- This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.
- "CONSUMERS SHOULD NOTE THAT NOT ALL HIGH DEFINITION TELEVISION SETS ARE FULLY COMPATIBLE WITH THIS PRODUCT AND MAY CAUSE ARTIFACTS TO BE DISPLAYED IN THE PICTURE. IN CASE OF 525 OR 625 PROGRESSIVE SCAN PICTURE PROBLEMS, IT IS RECOMMENDED THAT THE USER SWITCH THE CONNECTION TO THE "STANDARD DEFINITION" OUTPUT. IF THERE ARE QUESTIONS REGARDING OUR TV SET COMPATIBILITY WITH THIS MODEL 525p AND 625p DVD PLAYER, PLEASE CONTACT OUR CUSTOMER SERVICE CENTER."

For this service manual

This model is a model to which Pick up of "XV-N320B,XV-N322S,XV-N325S" that has already been put on the market and "Circumference circuit of pick up" are changed.

< When the label in figure is pasted in the main body >

The circumference circuit of picking up and picking up is different from the model to whom the label is not pasted by the same model name, and use this manual, please.

Please already refer to the issued service manual when the label is not pasted.

The already published service manual

* XV-N320B, XV-N322S → ISSUE No.YD066 2005/5 XV-N320B, XV-N322S for Asia

* XV-N325S → ISSUE No.YD083 2005/9 XV-N325S for UB



The position of the label might be somewhat different.

SECTION 1 PRECAUTION

Please refer to "XV-N320B, XV-N322S for Asia (issue number : YD066)" about this section.

SECTION 2 SPECIFIC SERVICE INSTRUCTIONS

Please refer to "XV-N320B, XV-N322S for US,UC (issue number : YD053)" about this section.

SECTION 3 DISASSEMBLY

Please refer to "XV-N320B, XV-N322S for US,UC (issue number : YD053)" about this section.

SECTION 4 ADJUSTMENT

Please refer to "XV-N320B, XV-N322S for US,UC (issue number : YD053)" about this section.

SECTION 5 TROUBLESHOOTING

Please refer to "XV-N320B, XV-N322S for US,UC (issue number : YD053)" about this section.



Victor Company of Japan, Limited
DIGITAL VIDEO STORAGE CATEGORY 12, 3-chome, Moriya-cho, kanagawa-ku, Yokohama, kanagawa-prefecture, 221-8528, Japan

(No.YD066B)



Printed in Japan
VPT

PARTS LIST

[XV-N420BUJ2,XV-N422SAA2,XV-N422SAC2,
XV-N422SAG2,XV-N422SAH2,XV-N422SAS2,
XV-N422SAX2,XV-N422SKR2,XV-N422STW2,
XV-N422SUA2,XV-N422SUM2]

* All printed circuit boards and its assemblies are not available as service parts.

* (x_) in a description column shows the number of the used part.

Area Suffix (XV-N420B)

UJ ----- U.S.A Military

Area Suffix (XV-N422S)

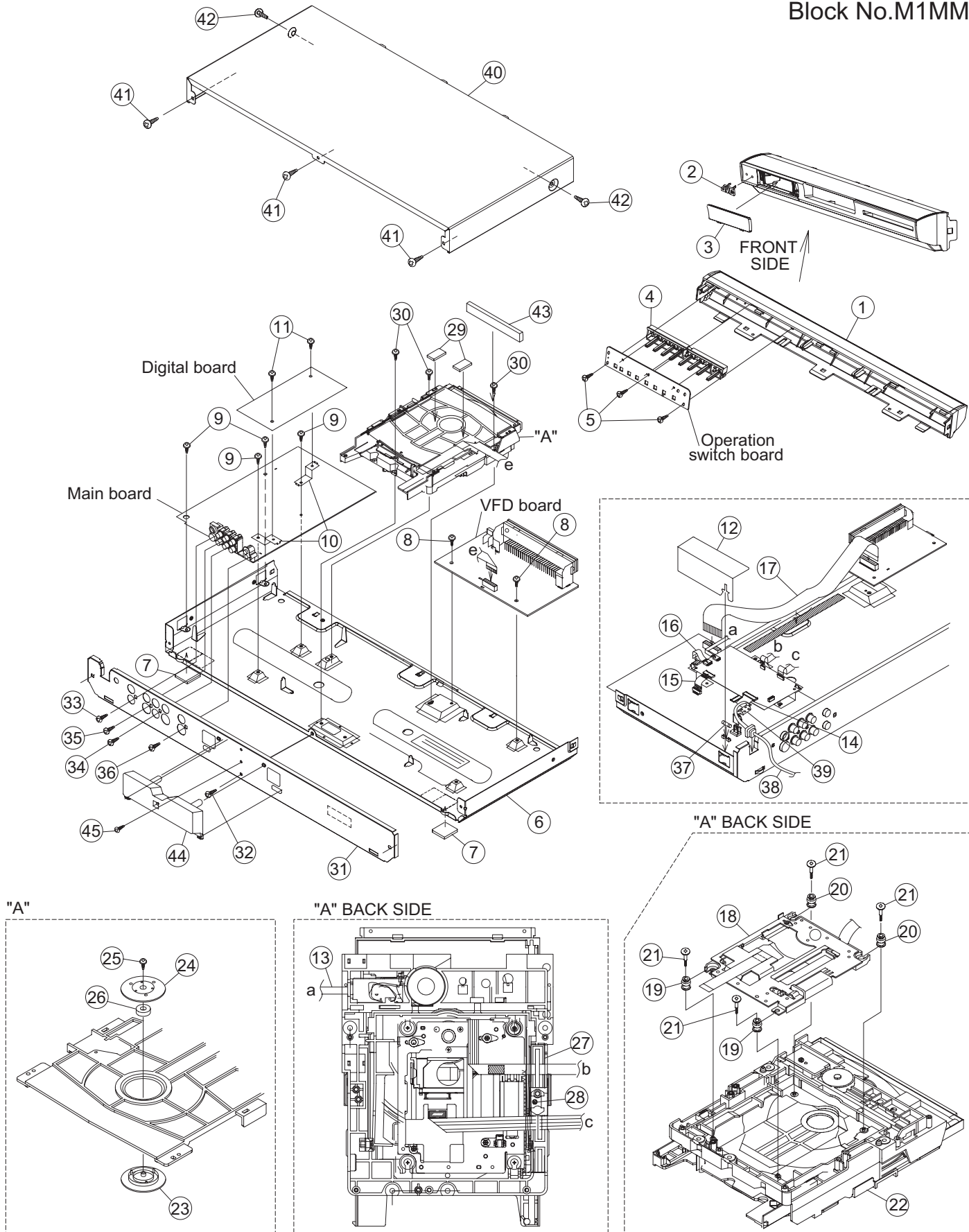
AA ----- Australia
AC ----- China
AG ----- Universal Asia
AH ----- Hong Kong
AS ----- Saudi Arabia
AX ----- Middle East
KR ----- Korea
TW ----- Taiwan
UA ----- Argentina
UM ----- Latin America

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Exploded view of general assembly and parts list

Block No.M1MM



General assembly

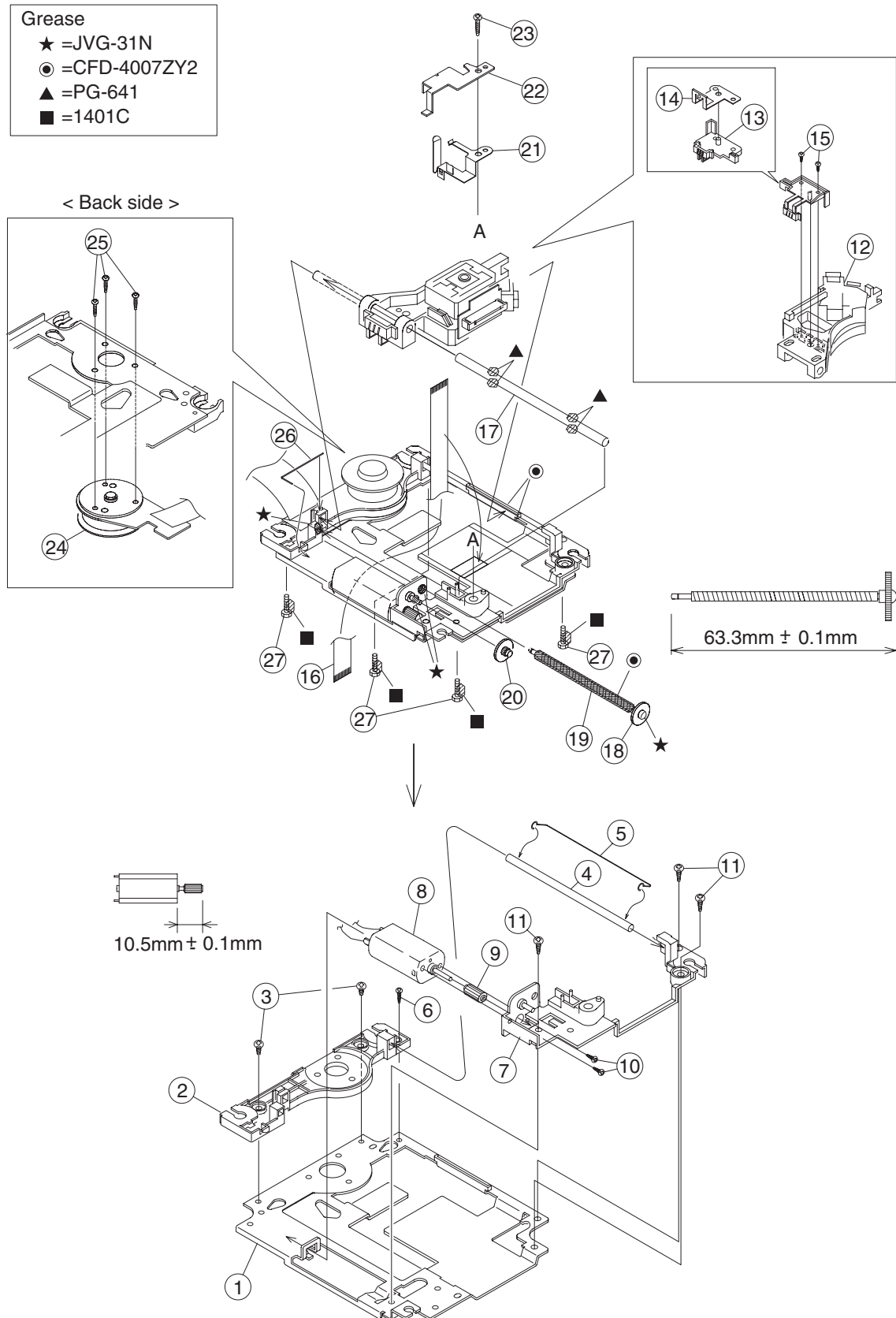
Block No. [M][1][M][M]

△ Symbol No.	Part No.	Part Name	Description	Local
1	GN10059-030A	FRONT PANEL		420UJ
1	GN10059-027A	FRONT PANEL		only 422
2	GN40020-002A	JVC MARK		
3	GN20111-001A	WINDOW SCRREN		
4	GN20110-003A	PUSH BUTTON		420UJ
4	GN20110-004A	PUSH BUTTON		only 422
5	QYSDSF2608ZA	TAP SCREW	FOR PUSH BUTTON(x3)	
6	GN10061-001A	CHASSIS BASE		
7	GN40054-002A	FELT SPACER	REAR FOOT(x2)	
8	QYSBSGG3006EA	TAP SCREW	VFD CB+CHASSIS(x2)	
9	QYSBSGG3006EA	TAP SCREW	MAIN+CHASSIS(x4)	
10	GN30116-001A	BRACKET	(x2)	
11	QYSBSGG3006EA	TAP SCREW	DIGITAL CB+BRACKET(x2)	
12	GN40077-001A	PROTECT SHEET		422AA,422AC,422AG,422AH,422AS,422AX,422KR,422TW
13	QUQ210-0520CC-E	FFC WIRE	MECHA TO DIGITAL	
14	QUQ210-2306CJ-E	FFC WIRE	MAIN TO DIGITAL	
15	QUQ210-1303CJ-E	FFC WIRE	MAIN TO DIGITAL	
16	QUQ210-0703CJ-E	FFC WIRE	MAIN TO DIGITAL	
17	QUQ212-1724CJ-E	FFC WIRE	VFD TO MAIN	
18	-----	TRAVERSE MECHANISM		
19	LE40900-003A	INSULATOR	(x2)	
20	LE40900-005A	INSULATOR	(x2)	
21	LE40901-002A	SPECIAL SCREW	FOR INSULATOR(x4)	
22	-----	LOADING MECHANISM		
23	LE31046-003A	CLAMPER		
24	LE40899-001A	YOKE		
25	LE40906-002A	SPECIAL SCREW		
26	LV42930-003A	P.C.MAGNET		
27	GN30118-001A	FFC HOLDER	FOR FFC WIRE	
28	QYSDSF2608ZA	TAP SCREW	FFC HOLDER	
29	GN30006-028A	SPACER	(x2)	
30	QYSBSG3006ZA	TAP SCREW	MECHA+CHASSIS(x3)	
31	GN20115-025A	REAR PANEL		420UJ
31	GN20115-033A	REAR PANEL		422AA
31	GN20115-034A	REAR PANEL		422AC
31	GN20115-029A	REAR PANEL		422AG,422AH
31	GN20115-031A	REAR PANEL		422AS
31	GN20115-030A	REAR PANEL		422AX
31	GN20115-032A	REAR PANEL		422KR
31	GN20115-035A	REAR PANEL		422TW
31	GN20115-028A	REAR PANEL		422UA
31	GN20115-027A	REAR PANEL		422UM
32	QYSBSGY3008MA	TAP SCREW	REAR+CHASSIS	
33	QYSBSGY3008MA	TAP SCREW	COAXIAL	
34	QYSBSGY3008MA	TAP SCREW	AUDIO OUT	
35	QYSBSGY3008MA	TAP SCREW	VIDEO OUT	
36	QYSBSGY3008MA	TAP SCREW	COMPU LINK	
△ 37	QMF5AE2-1R6-J1	FUSE	1.6A AC250V	
△ 38	QMPK370-170-JN	POWER CORD(EU)	1.7m BLACK	420UJ,422AG,422AS,422AX,422UM
△ 38	QMPG180-170-JD	POWER CORD(AST)	1.7m BLACK	422AA
△ 38	QMPR730-170-JN	POWER CORD	1.7m BLACK	422AC
△ 38	QMPN300-170-JC	POWER CORD(EK)	1.7m BLACK	422AH
△ 38	QMPR750-170-JD	POWER CORD	1.7m BLACK	422KR
△ 38	QMPR780-170-JD	POWER CORD	1.7m BLACK	422TW
△ 38	QMPR760-170-JD	POWER CORD	1.7m BLACK	422UA
39	QQR0917-001	CORE FILTER		
40	GN20114-001A	TOP COVER		420UJ
40	GN20114-002A	TOP COVER		only 422
41	QYSBSGG3006EA	TAP SCREW	REAR(x3)	
42	QYSDSG3008MA	TAP SCREW	SIDE(x2)	420UJ
42	QYSDSG3008NA	TAP SCREW	SIDE(x2)	only 422
43	GN20112-001A	LENS		420UJ
43	GN20112-002A	LENS		only 422
44	GN20116-001A	REAR COVER		
45	QYSBSGY3008MA	TAP SCREW	M3 x 8mm	

DVD Traverse mechanism assembly and parts list

GXL-G11-1C

Block No.M2MM



DVD Traverse mechanism

Block No. [M][2][M][M]

△ Symbol No.	Part No.	Part Name	Description	Local
1	LE20729-002A	MECHA BASE		
2	LE20731-002A	SPINDLE BASE		
3	QYSDST2605ZA	TAP SCREW	M2.6 x 5mm(x2)	
4	LE40931-001A	SHAFT		
5	LE40995-001A	BAR SPRING		
6	QYSPSTU2080ZA	TAP SCREW	M2 x 8mm	
7	LE20730-002A	FEED HOLDER		
8	QAR0165-001	FEED MOTOR		
9	LV41510-001A	FEED GEAR T		
10	QYSPSPU2040ZA	SCREW	M2 x 4mm(x2)	
11	QYSDST2605ZA	TAP SCREW	M2.6 x 5mm(x3)	
12	QAL0786-002	P.UP		
13	LE20732-001A	SW ACTUATOR		
14	LE31093-001A	LEAD SPRING		
15	QYSPSFU1740ZA	TAP SCREW	M1.7 x 4mm(x2)	
16	QUQK05-2420AC-E	FFC WIRE	24pin 20cm	
17	LE40931-001A	SHAFT		
18	LE40855-002A	FEED GEAR E		
19	LV41517-003A	LEAD SCREW		
20	LE40930-001A	FEED GEAR M		
21	LE40928-002A	THURUST SPRING		
22	LE40927-002A	PLATE		
23	QYSDST2614ZA	TAP SCREW	M2.6 x 14mm	
24	QAR0346-001	S.MOTOR		
25	QYSPSPU1760ZA	SCREW	M1.7 x 6mm(x3)	
26	LE40994-001A	T.SPRING		
27	LE40858-002A	SPECIAL SCREW	(x4)	

DVD Loading mechanism assembly and parts list

Block No.M3MM

Grease

●

=FL-7750E

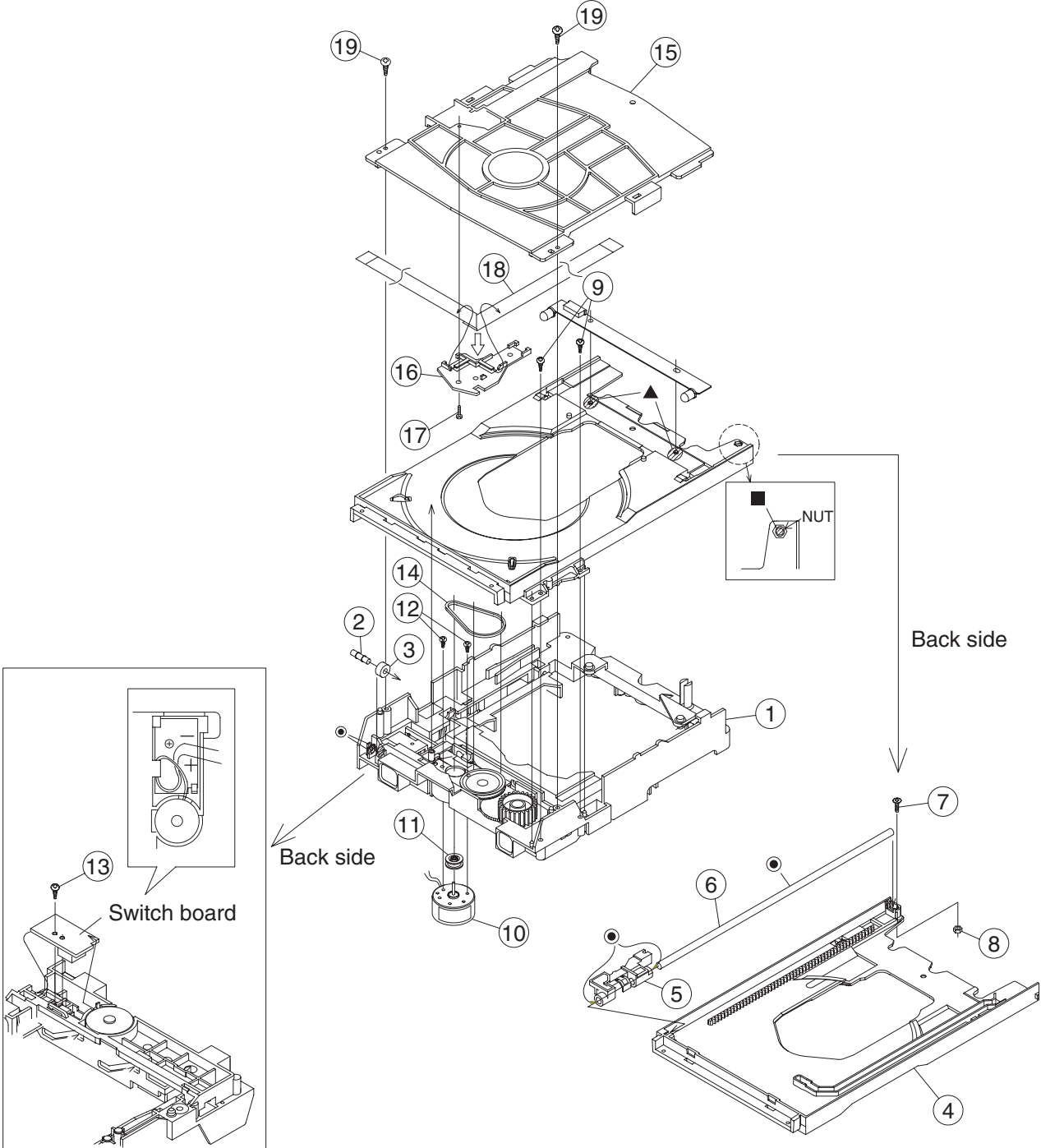
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=SC306

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=1401C

FLM-J4-11YM



DVD Loading mechanism

Block No. [M][3][M][M]

△ Symbol No.	Part No.	Part Name	Description	Local
1	LV11064-004A	LOADER SUB ASSY		
2	E407140-001SS	C.D ROLLER		
3	E407149-001SS	RUBBER TUBE		
4	LV10933-003A	TRAY		
5	LV35050-001A	SHAFT GUIDE		
6	LV43847-001A	SHAFT	FOR TRAY	
7	QYSSSP2010ZA	SCREW	FOR SHAFT	
8	QYNNS2000ZA	NUT	M2	
9	QYSDSF2008ZA	TAP SCREW	M2 x 8mm(x2)	
10	QAR0197-001	MOTOR	MABUCHI	
11	LV43844-002A	MOTOR PULLEY		
12	QYSPSPU1730ZA	SCREW	FOR MOTOR(x2)	
13	QYSDSF2008ZA	TAP SCREW	FOR C.BOARD ASS	
14	LV43974-001A	BELT		
15	LV21747-008A	CLAMPER BASE		
16	LV35691-001A	FFC HOLDER		
17	LV43958-001A	SPECIAL SCREW		
18	LV44208-001A	FFC		
19	QYSDSF2008ZA	TAP SCREW	CLAMPER BASE(x2)	

Electrical parts list

Main board

Block No. [0][1]

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
IC501	PT6315-S	IC			C708	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
IC502	GP1UE291QKV-F	IR UNIT			C709	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
IC701	RC4558D-X	IC			C710	NCB31HK-471X	C CAPACITOR	470pF 50V K	
IC704	SN74AHCT08NS-X	IC			C711	NCB31HK-471X	C CAPACITOR	470pF 50V K	
△ IC901	MIP2C40MSSCF	IC			C712	QETN1EM-226Z	E CAPACITOR	22uF 25V M	
IC902	TL432/A-T	IC			C713	QFLC1HJ-222Z	M CAPACITOR	2200pF 50V J	
IC902	or MM1530AT-T	IC			C714	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
Q701	RT1N44HC-X	DIGI TRANSISTOR			C715	NCB31HK-471X	C CAPACITOR	470pF 50V K	
Q701	or KRC109S-X	TRANSISTOR			C716	NCB31HK-271X	C CAPACITOR	270pF 50V K	
Q702	2SC3928A/QR/-X	TRANSISTOR			C717	NCB31HK-471X	C CAPACITOR	470pF 50V K	
Q702	or 2SC2412K/RS/-X	TRANSISTOR			C718	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
Q703	2SC2412K/QRS/-X	TRANSISTOR			C719	NCB31HK-271X	C CAPACITOR	270pF 50V K	
Q703	or 2SC3928A/QR/-X	TRANSISTOR			C720	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
Q704	RT1P141C-X	DIGI TRANSISTOR			C729	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
Q704	or KRA102S-X	DIGI TRANSISTOR			C730	QETN0JM-107Z	E CAPACITOR	100uF 6.3V M	
Q705	2SC2412K/QRS/-X	TRANSISTOR			C731	NCB31HK-471X	C CAPACITOR	470pF 50V K	
Q705	or 2SC3928A/QR/-X	TRANSISTOR			C740	NCB31HK-271X	C CAPACITOR	270pF 50V K	
Q760	RT1P44QC-X	DIGI TRANSISTOR			C741	NCB31HK-151X	C CAPACITOR	150pF 50V K	
Q951	2SC3576-JVC-T	TRANSISTOR			C742	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
Q952	RT1P441C-X	DIGI TRANSISTOR			C744	NCB31HK-471X	C CAPACITOR	470pF 50V K	
Q952	or KRA104S-X	DIGI TRANSISTOR			C745	NCB31HK-471X	C CAPACITOR	470pF 50V K	
Q960	2SC3928A/Q/-X	TRANSISTOR			C746	NCB31HK-271X	C CAPACITOR	270pF 50V K	
Q961	RT1P441C-X	DIGI TRANSISTOR			C748	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
Q961	or KRA104S-X	DIGI TRANSISTOR			C751	NCB31HK-271X	C CAPACITOR	270pF 50V K	
Q962	RT1N141C-X	DIGI TRANSISTOR			C752	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
Q962	or KRC102S-X	DIGI TRANSISTOR			C753	NCB31HK-271X	C CAPACITOR	270pF 50V K	
Q963	2SA1530A/Q/-X	TRANSISTOR			C771	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
D504	1SS133-T2	SI DIODE I/M			△ C901	QFZ9073-823	MM CAPACITOR	0.082uF AC250V M	
D505	1SS133-T2	SI DIODE I/M			△ C903	QCZ9071-101	C CAPACITOR		
D506	1SS133-T2	SI DIODE I/M			C905	QCZ9079-222	C CAPACITOR	2200pF AC250V M	
D507	1SS133-T2	SI DIODE I/M			△ C906	QCZ0136-102Z	C CAPACITOR	1000pF 1kV K	
D701	MA111-X	DIODE C.M			△ C907	QEZ0707-476	E CAPACITOR	47uF	
D701	or 1SS355-X	DIODE C.M			C908	QCZ0302-220Z	C CAPACITOR	22pF 1kV J	
D702	MA111-X	DIODE C.M			C909	QEZ0657-396Z	E CAPACITOR	39uF	
D702	or 1SS355-X	DIODE C.M			C910	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D703	MA111-X	DIODE C.M			C911	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
D703	or 1SS355-X	DIODE C.M			C919	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
D704	MA111-X	DIODE C.M			C950	QEZ0653-107Z	E CAPACITOR	100uF	
D704	or 1SS355-X	DIODE C.M			C952	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D705	MA111-X	DIODE C.M			C953	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D705	or 1SS355-X	DIODE C.M			C954	QEZ0654-477Z	E CAPACITOR	470uF	
△ D902	1F4G-T2	FR DIODE			C955	QEZ0655-337Z	E CAPACITOR	330uF	
△ D903	D1106	BRIDGE DIODE			C956	QEZ0655-826Z	C CAPACITOR	82uF	
D905	1F4G-T2	FR DIODE			C957	QEZ0655-826Z	C CAPACITOR	82uF	
△ D906	1SS244-T2	SI DIODE			C958	QEZ0653-107Z	E CAPACITOR	100uF	
△ D951	1F4G-T2	FR DIODE			C959	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
△ D952	1F4G-T2	FR DIODE			C964	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
△ D953	SB240-F26	SB DIODE			C966	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
△ D954	1F4G-T2	FR DIODE			C967	NCB31CK-105X	C CAPACITOR	1uF 16V K	
△ D955	PS154R-F83	FR DIODE			C980	NQR0129-002X	FERRITE BEADS		
△ D956	1SS244-T2	SI DIODE			C982	QEZ0657-396Z	E CAPACITOR	39uF	
△ D957	1SS244-T2	SI DIODE			C983	QEZ0654-477Z	E CAPACITOR	470uF	
D960	MTZJ3.6B-T2	S.B.DIODE			C985	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
PC901	PC123Y82FZ	PHOTO COUPLER			C989	NCB31HK-101X	C CAPACITOR	100pF 50V K	
C501	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		C990	NQR0129-002X	FERRITE BEADS		
C502	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C991	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
C503	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		R502	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J	
C506	QETN0JM-107Z	E CAPACITOR	100uF 6.3V M		R503	NRSA63J-222X	MG RESISTOR	2.2kΩ1/16W J	
C507	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R504	NRSA63J-222X	MG RESISTOR	2.2kΩ1/16W J	
C508	NCB31HK-223X	C CAPACITOR	0.022uF 50V K		R508	NRSA63J-223X	MG RESISTOR	22kΩ1/16W J	
C509	NCB31HK-472X	C CAPACITOR	4700pF 50V K		R510	NRSA63J-104X	MG RESISTOR	100kΩ1/16W J	
C510	NCB31HK-472X	C CAPACITOR	4700pF 50V K		R513	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
C511	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R514	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
C515	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R701	NRSA63J-392X	MG RESISTOR	3.9kΩ1/16W J	
C701	NCB31HK-332X	C CAPACITOR	3300pF 50V K		R703	NRSA63J-473X	MG RESISTOR	47kΩ1/16W J	
C702	NCB31HK-471X	C CAPACITOR	470pF 50V K		R704	NRSA63J-472X	MG RESISTOR	4.7kΩ1/16W J	
C706	QETN1EM-226Z	E CAPACITOR	22uF 25V M		R705	NRSA63J-201X	MG RESISTOR	200Ω1/16W J	
C707	QFLC1HJ-222Z	M CAPACITOR	2200pF 50V J		R706	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
					R709	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
					R710	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J	
					R711	NRSA63J-561X	MG RESISTOR	560Ω1/16W J	
					R712	NRSA63J-273X	MG RESISTOR	27kΩ1/16W J	
					R713	NRSA63J-104X	MG RESISTOR	100kΩ1/16W J	

△ Symbol No.	Part No.	Part Name	Description	Local
R714	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R715	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J	
R716	NRSA63J-273X	MG RESISTOR	27kΩ1/16W J	
R717	NRSA63J-473X	MG RESISTOR	47kΩ1/16W J	
R718	NRSA63J-392X	MG RESISTOR	3.9kΩ1/16W J	
R723	NRSA63J-472X	MG RESISTOR	4.7kΩ1/16W J	
R724	NRSA63J-273X	MG RESISTOR	27kΩ1/16W J	
R725	NRSA63J-561X	MG RESISTOR	560Ω1/16W J	
R726	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R727	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J	
R734	NRSA63J-392X	MG RESISTOR	3.9kΩ1/16W J	
R735	NRSA63J-201X	MG RESISTOR	200Ω1/16W J	
R736	NRSA63J-472X	MG RESISTOR	4.7kΩ1/16W J	
R737	NRSA63J-392X	MG RESISTOR	3.9kΩ1/16W J	
R738	NRSA63J-201X	MG RESISTOR	200Ω1/16W J	
R739	NRSA63J-472X	MG RESISTOR	4.7kΩ1/16W J	
R741	NRSA63J-820X	MG RESISTOR	82Ω1/16W J	
R753	NRSA63J-201X	MG RESISTOR	200Ω1/16W J	
R772	NRSA63J-621X	MG RESISTOR	620Ω1/16W J	
R773	NRSA63J-621X	MG RESISTOR	620Ω1/16W J	
R776	NRSA63J-100X	MG RESISTOR	10Ω1/16W J	
R790	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J	
△ R901	QRL01DJ-683X	OMF RESISTOR	68kΩ1W J	
R902	QRE141J-271Y	C RESISTOR	270Ω1/4W J	
R903	NRSA63J-394X	MG RESISTOR	390kΩ1/16W J	
R904	NRSA63J-183X	MG RESISTOR	18kΩ1/16W J	
R905	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J	
R906	NRSA63J-183X	MG RESISTOR	18kΩ1/16W J	
R910	QRE141J-560Y	C RESISTOR	56Ω1/4W J	
R932	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J	
R934	NRSA63J-152X	MG RESISTOR	1.5kΩ1/16W J	
R935	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J	
△ R950	ICP-N10-T	IC PROTECTOR	400mA	
R953	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R954	NRSA63J-152X	MG RESISTOR	1.5kΩ1/16W J	
R955	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J	
R956	NRSA63J-224X	MG RESISTOR	220kΩ1/16W J	
R957	NRSA63F-562X	MG RESISTOR	5.6kΩ1/16W F	
R958	NRSA63F-332X	MG RESISTOR	3.3kΩ1/16W F	
R961	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J	
R962	NRSA63J-472X	MG RESISTOR	4.7kΩ1/16W J	
R963	QRE141J-4R7Y	C RESISTOR	4.7Ω1/4W J	
R964	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R965	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R969	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J	
R981	NRSA63J-472X	MG RESISTOR	4.7kΩ1/16W J	
R983	NRSA63J-152X	MG RESISTOR	1.5kΩ1/16W J	
L701	QQL231J-2R2Y	COIL	2.2uH J	
L702	QQL231J-2R2Y	COIL	2.2uH J	
L706	QQL231J-1R0Y	COIL	1uH J	
L707	QQL231J-1R0Y	COIL	1uH J	
L709	QQL231J-2R2Y	COIL	2.2uH J	
L730	QQL231J-2R2Y	COIL	2.2uH J	
△ L901	QQR1384-001	LINE FILTER		
L951	QQR1633-001	CHOKE COIL		
L952	QQR1633-001	CHOKE COIL		
L953	QQR1633-001	CHOKE COIL		
L954	QQL531J-101Y	COIL	100uH J	
L955	QQL531J-101Y	COIL	100uH J	
△ T901	QQS0328-001	SW TRANSF		
CN501	QGF1208C1-17	CONNECTOR	FFC/FPC (1-17)	
CN503	QGF1040C1-07	CONNECTOR	FFC/FPC (1-7)	
CN901	QGF1040C1-13	CONNECTOR	FFC/FPC (1-13)	
CN902	QGF1040C1-07	CONNECTOR	FFC/FPC (1-7)	
CN903	QGF1208C1-17	CONNECTOR	FFC/FPC (1-17)	
CN905	QGF1040F1-23	CONNECTOR	FFC/FPC (1-23)	
DI501	QLF0158-001	FL TUBE		
FC901	QNG0003-001Z	FUSE CLIP		
FC902	QNG0003-001Z	FUSE CLIP		
J601	QNN0668-001	PIN JACK		
J602	QNN0698-001	PIN JACK		
J901	QNS0089-001	3.5 JACK		
K503	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
K504	NQR0251-001X	FERRITE BEADS		
K508	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
K511	NQR0251-001X	FERRITE BEADS		

△ Symbol No.	Part No.	Part Name	Description	Local
K519	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
K703	NQR0251-001X	FERRITE BEADS		
K901	NQR0251-001X	FERRITE BEADS		
OT1	GN30117-001A	FL HOLDER		
P901	QGA7901C1-02	CONNECTOR	W-B (1-2)	
S501	QSW1120-001Z	TACT SW	POWER	
S502	QSW1120-001Z	TACT SW	FW SKIP	
S503	QSW1120-001Z	TACT SW	PAUSE	
S504	QSW1120-001Z	TACT SW	BW SKIP	
S505	QSW1120-001Z	TACT SW	FAST PLAY	
S506	QSW1120-001Z	TACT SW	STOP	
S507	QSW1120-001Z	TACT SW	OPEN/CLOSE	
S508	QSW1120-001Z	TACT SW	PLAY	

Digital board

Block No. [0][2]

△ Symbol No.	Part No.	Part Name	Description	Local
IC101	ES6602SF	IC		
IC201	LA6502-X	IC		
IC301	ES6820FF	IC		420UJ
IC301	ES6826FF	IC		only 422
IC302	HY57V641620ETP7	IC		
IC302	or K4S641632H-UC75	IC		
IC303	AT49BV162AS1302	IC(FLASH-PRG)		420UJ
IC303	AT49BV162AS1340	IC(FLASH-PRG)		422AA
IC303	AT49BV162AS1370	IC(FLASH-PRG)		422AC
IC303	AT49BV162AS1332	IC(FLASH-PRG)		422AG
IC303	AT49BV162AS1380	IC(FLASH-PRG)		422AH
IC303	AT49BV162AS1350	IC(FLASH-PRG)		422AS,422AX
IC303	AT49BV162AS1360	IC(FLASH-PRG)		422KR
IC303	AT49BV162AS13B0	IC(FLASH-PRG)		422TW
IC303	AT49BV162AS13A0	IC(FLASH-PRG)		422UA
IC303	AT49BV162AS1390	IC(FLASH-PRG)		422UM
IC401	RT9164A-PG-X	IC		
IC403	AK4385ET-X	IC		
IC961	MM1688BHBX-X	IC		
Q101	2SB1424/R/-W	TRANSISTOR		
Q101	or 2SB1424/QR/-W	TRANSISTOR		
Q102	2SB1424/R/-W	TRANSISTOR		
Q102	or 2SB1424/QR/-W	TRANSISTOR		
Q301	RT1N144C-X	DIGI TRANSISTOR		
Q301	or KRC107S-X	DIGI TRANSISTOR		
D102	MA111-X	DIODE C.M		
D102	or 1SS355-X	DIODE C.M		
D103	MA111-X	DIODE C.M		
D103	or 1SS355-X	DIODE C.M		
D271	MA111-X	DIODE C.M		
D271	or 1SS355-X	DIODE C.M		
D301	MA111-X	DIODE C.M		
D301	or 1SS355-X	DIODE C.M		
C101	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C102	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C103	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C106	NEAF0JM-476X	E CAPACITOR	47uF 6.3V M	
C107	NEAF0JM-476X	E CAPACITOR	47uF 6.3V M	
C109	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C110	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C111	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C112	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C113	NCB31HK-101X	C CAPACITOR	100pF 50V K	
C114	NCB31CK-472X	C CAPACITOR	4700pF 16V K	
C115	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C116	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C117	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C118	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C119	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C120	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C121	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
C122	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C123	NEAF0JM-476X	E CAPACITOR	47uF 6.3V M	

△ Symbol No.	Part No.	Part Name	Description	Local
C124	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C125	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C126	NEAF0GM-476X	E CAPACITOR	47uF 4V M	
C127	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	
C128	NDC31HJ-161X	C CAPACITOR	160pF 50V J	
C129	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
C130	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
C131	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C137	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C138	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C140	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C141	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C144	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C146	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C147	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C148	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C149	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C151	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C152	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C153	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C154	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C155	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C156	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C173	NEAF0JM-476X	E CAPACITOR	47uF 6.3V M	
C180	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C181	NCF31CZ-333X	C CAPACITOR	0.033uF 16V Z	
C182	NCF31CZ-333X	C CAPACITOR	0.033uF 16V Z	
C204	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C205	NCB31HK-121X	C CAPACITOR	120pF 50V K	
C207	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C210	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C211	NCB31CK-223X	C CAPACITOR	0.022uF 16V K	
C217	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C251	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C256	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C257	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C258	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C259	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C260	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C261	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C262	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C271	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C272	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C273	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C274	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C290	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C310	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C311	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C312	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C313	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C314	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C315	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C317	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C318	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C319	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C320	NEAF0GM-476X	E CAPACITOR	47uF 4V M	
C321	NCB31CK-102X	C CAPACITOR	1000pF 16V K	
C322	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C323	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C325	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C326	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C327	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C328	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C329	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C331	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C332	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C334	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C335	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C336	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C337	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C339	NEAF0GM-107X	E CAPACITOR	100uF 4V M	
C340	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C341	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C342	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C343	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C344	NEAF0GM-476X	E CAPACITOR	47uF 4V M	
C349	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C350	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	

△ Symbol No.	Part No.	Part Name	Description	Local
C351	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C352	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C353	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C357	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C358	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C361	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C362	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C363	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C364	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C365	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C366	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C367	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C368	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C369	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C370	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C371	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C373	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C374	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C375	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C376	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C377	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C380	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C381	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C382	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C385	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C391	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C401	NEAF0GM-107X	E CAPACITOR	100uF 4V M	
C402	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C403	NEAF0GM-476X	E CAPACITOR	47uF 4V M	
C405	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C406	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C417	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C418	NEAF0JM-227X	E CAPACITOR	220uF 6.3V M	
C421	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C422	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C423	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
C440	NEAF0JM-227X	E CAPACITOR	220uF 6.3V M	
C912	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C913	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C914	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C915	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C916	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C943	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C961	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C965	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C971	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C978	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
R101	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R102	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R104	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J	
R105	NRSA63J-333X	MG RESISTOR	33kΩ1/16W J	
R106	NRS125J-100X	MG RESISTOR	10Ω1/2W J	
R107	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R108	NRSA63J-333X	MG RESISTOR	33kΩ1/16W J	
R109	NRS125J-100X	MG RESISTOR	10Ω1/2W J	
R110	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R111	NRSA63J-123X	MG RESISTOR	12kΩ1/16W J	
R112	NRSA63J-472X	MG RESISTOR	4.7kΩ1/16W J	
R113	NRS125J-1R0X	MG RESISTOR	1Ω1/2W J	
R114	NRS125J-1R0X	MG RESISTOR	1Ω1/2W J	
R115	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J	
R116	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J	
R117	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R118	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R125	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R127	NRSA63J-153X	MG RESISTOR	15kΩ1/16W J	
R128	NRSA63J-153X	MG RESISTOR	15kΩ1/16W J	
R132	NRSA63J-332X	MG RESISTOR	3.3kΩ1/16W J	
R133	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R134	NRSA63J-330X	MG RESISTOR	33Ω1/16W J	
R135	NRSA63J-330X	MG RESISTOR	33Ω1/16W J	
R136	NRSA63J-330X	MG RESISTOR	33Ω1/16W J	
R138	NRSA63J-332X	MG RESISTOR	3.3kΩ1/16W J	
R139	NRSA63J-332X	MG RESISTOR	3.3kΩ1/16W J	
R140	NRSA63J-472X	MG RESISTOR	4.7kΩ1/16W J	
R141	NRSA63J-472X	MG RESISTOR	4.7kΩ1/16W J	
R142	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
R174	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		R421	NRSA63F-121X	MG RESISTOR	120Ω1/16W F	
R175	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		R422	NRSA63F-750X	MG RESISTOR	75Ω1/16W F	
R204	NRSA63J-223X	MG RESISTOR	22kΩ1/16W J		R423	NRSA63J-332X	MG RESISTOR	3.3kΩ1/16W J	
R205	NRSA63J-512X	MG RESISTOR	5.1kΩ1/16W J		CN101	QGF0536C3-24W	CONNECTOR	PICK UP	
R206	NRSA63J-623X	MG RESISTOR	62kΩ1/16W J		CN201	QGF1007C4-08X	CONNECTOR	SPINDLE	
R207	NRSA63J-473X	MG RESISTOR	47kΩ1/16W J		CN202	QGF1007C4-05X	CONNECTOR	LOADER	
R208	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J		CN301	QGF1045F2-13X	CONNECTOR	FFC/FPC (1-13)	
R209	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J		CN302	QGF1016F8-23W	CONNECTOR	FFC/FPC (1-23)	
R211	NRSA63J-183X	MG RESISTOR	18kΩ1/16W J		CN303	QGF1045F2-07X	CONNECTOR	FFC/FPC (1-7)	
R212	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J		K101	NQR0022-005X	FERRITE BEADS		
R213	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J		K102	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R214	NRSA63J-822X	MG RESISTOR	8.2kΩ1/16W J		K103	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R217	NRSA63J-472X	MG RESISTOR	4.7kΩ1/16W J		K303	NQR0502-001X	FERRITE BEADS		
R219	NRSA63J-153X	MG RESISTOR	15kΩ1/16W J		K304	NQR0502-001X	FERRITE BEADS		
R220	NRSA63J-153X	MG RESISTOR	15kΩ1/16W J		K305	NQR0502-001X	FERRITE BEADS		
R221	NRSA63J-682X	MG RESISTOR	6.8kΩ1/16W J		K306	NQR0502-001X	FERRITE BEADS		
R225	NRSA63J-682X	MG RESISTOR	6.8kΩ1/16W J		K307	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R251	NRS125J-R47X	MG RESISTOR	0.47Ω1/2W J		K321	NQR0502-001X	FERRITE BEADS		
R252	NRSA63J-2R2X	MG RESISTOR	2.2Ω1/16W J		K331	NQR0251-001X	FERRITE BEADS		
R255	NRSA63J-203X	MG RESISTOR	20kΩ1/16W J		K332	NQR0251-001X	FERRITE BEADS		
R271	NRSA63J-363X	MG RESISTOR	36kΩ1/16W J		K333	NQR0251-001X	FERRITE BEADS		
R273	NRSA63J-332X	MG RESISTOR	3.3kΩ1/16W J		K371	NQR0360-002X	COIL		
R274	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J		K372	NQR0251-001X	FERRITE BEADS		
R275	NRSA63J-223X	MG RESISTOR	22kΩ1/16W J		K373	NQR0360-002X	COIL		
R291	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J		K374	NQR0251-001X	FERRITE BEADS		
R301	NRSA63J-472X	MG RESISTOR	4.7kΩ1/16W J		K375	NQR0251-001X	FERRITE BEADS		
R307	NRSA63J-472X	MG RESISTOR	4.7kΩ1/16W J		K376	NQR0251-001X	FERRITE BEADS		
R308	NRSA63J-393X	MG RESISTOR	39kΩ1/16W J		K377	NQR0251-001X	FERRITE BEADS		
R311	NRSA63J-330X	MG RESISTOR	33Ω1/16W J		K378	NQR0251-001X	FERRITE BEADS		
R312	NRSA63J-104X	MG RESISTOR	100kΩ1/16W J		K401	NQR0502-001X	FERRITE BEADS		
R314	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J		X301	NAX0770-001X	CRYSTAL		
R320	NRSA63J-472X	MG RESISTOR	4.7kΩ1/16W J						
R326	NRSA63F-820X	MG RESISTOR	82Ω1/16W F						
R327	NRSA63F-820X	MG RESISTOR	82Ω1/16W F						
R328	NRSA63F-820X	MG RESISTOR	82Ω1/16W F						
R329	NRSA63F-680X	MG RESISTOR	68Ω1/16W F						
R330	NRSA63F-680X	MG RESISTOR	68Ω1/16W F						
R331	NRSA63J-361X	MG RESISTOR	360Ω1/16W J						
R332	NRSA63J-330X	MG RESISTOR	33Ω1/16W J						
R333	NRSA63J-330X	MG RESISTOR	33Ω1/16W J						
R334	NRSA63J-330X	MG RESISTOR	33Ω1/16W J						
R335	NRSA63J-330X	MG RESISTOR	33Ω1/16W J						
R336	NRSA63J-330X	MG RESISTOR	33Ω1/16W J						
R337	NRSA63J-330X	MG RESISTOR	33Ω1/16W J						
R338	NRSA63J-330X	MG RESISTOR	33Ω1/16W J						
R339	NRSA63J-101X	MG RESISTOR	100Ω1/16W J						
R340	NRSA63J-101X	MG RESISTOR	100Ω1/16W J						
R341	NRSA63J-101X	MG RESISTOR	100Ω1/16W J						
R342	NRSA63J-101X	MG RESISTOR	100Ω1/16W J						
R343	NRSA63J-101X	MG RESISTOR	100Ω1/16W J						
R344	NRSA63J-101X	MG RESISTOR	100Ω1/16W J						
R345	NRSA63J-101X	MG RESISTOR	100Ω1/16W J						
R346	NRSA63J-101X	MG RESISTOR	100Ω1/16W J						
R347	NRSA63J-101X	MG RESISTOR	100Ω1/16W J						
R348	NRSA63J-101X	MG RESISTOR	100Ω1/16W J						
R349	NRSA63J-101X	MG RESISTOR	100Ω1/16W J						
R350	NRSA63J-101X	MG RESISTOR	100Ω1/16W J						
R360	NRSA63J-391X	MG RESISTOR	390Ω1/16W J						
R361	NRSA63J-472X	MG RESISTOR	4.7kΩ1/16W J						
R365	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J						
R371	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J						
R373	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J						
R375	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J						
R377	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J						
R381	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J						
R391	NRSA63J-472X	MG RESISTOR	4.7kΩ1/16W J						
R392	NRSA63J-472X	MG RESISTOR	4.7kΩ1/16W J						
R395	NRSA63J-472X	MG RESISTOR	4.7kΩ1/16W J						
R402	NRSA63J-100X	MG RESISTOR	10Ω1/16W J						
R406	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J						
R412	NRSA63J-471X	MG RESISTOR	470Ω1/16W J						
R413	NRSA63J-471X	MG RESISTOR	470Ω1/16W J						
R414	NRSA63J-471X	MG RESISTOR	470Ω1/16W J						
R415	NRSA63J-471X	MG RESISTOR	470Ω1/16W J						
R417	NRSA63J-330X	MG RESISTOR	33Ω1/16W J						
R418	NRSA63J-330X	MG RESISTOR	33Ω1/16W J						
R419	NRSA63J-330X	MG RESISTOR	33Ω1/16W J						
R420	NRSA63J-101X	MG RESISTOR	100Ω1/16W J						

LED board

Block No. [0][3]

△ Symbol No.	Part No.	Part Name	Description	Local
D1	SELU1E10WXM-P	LED		
D2	SELU1E10WXM-P	LED		
D4	UDZS7.5B-X	Z DIODE		
D5	UDZS7.5B-X	Z DIODE		
R1	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
CN4	QGF1006F2-07W	CONNECTOR	FFC/FPC (1-7)	

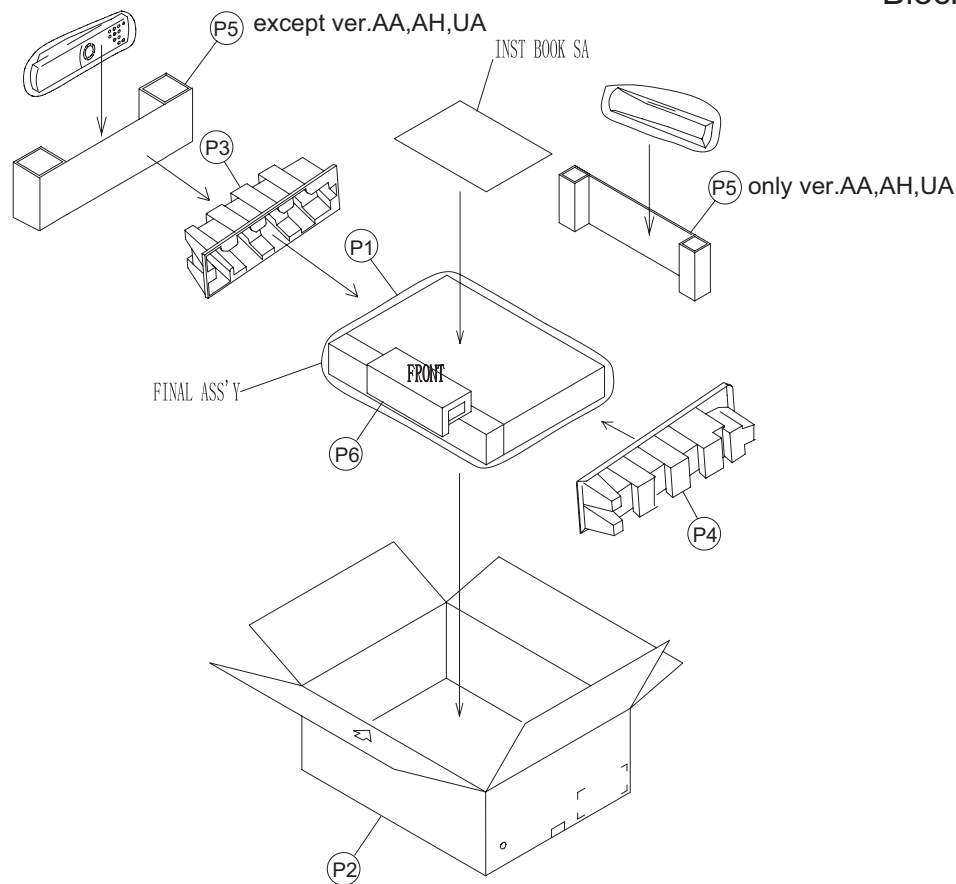
Switch board

Block No. [0][4]

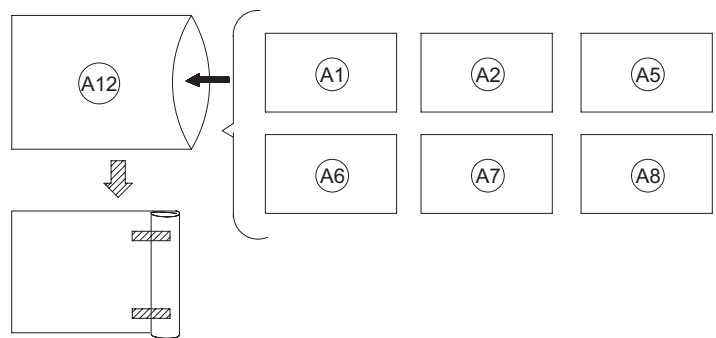
△ Symbol No.	Part No.	Part Name	Description	Local
CN1	QGF1016F3-05	CONNECTOR	FFC/FPC (1-5)	
S1	QSW1074-001	DETECT SWITCH	DET SW	

Packing materials and accessories parts list

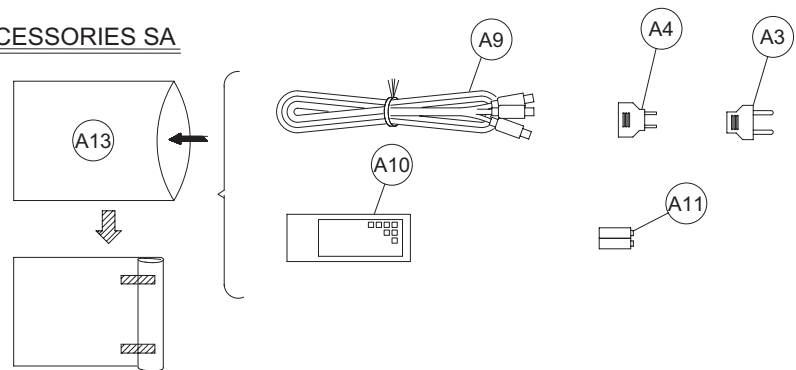
Block No.M4MM



INST BOOK SA



ACCESSORIES SA



Packing and accessories

Block No. [M][4][M][M]

△ Symbol No.	Part No.	Part Name	Description	Local
A 1	GNT0060-026A	INST BOOK	ENGLISH	420UJ
A 1	GNT0060-017A	INST BOOK	ENGLISH	422AA,422AG,422AH,422AS,422AX,422UM
A 1	GNT0060-021A	INST BOOK	MANDARIN	422AC
A 1	GNT0060-018A	INST BOOK	MANDARIN	422AG,422AH
A 1	GNT0060-024A	INST BOOK	ARABIC	422AS,422AX
A 1	GNT0060-025A	INST BOOK	PERSIA	422AX
A 1	GNT0060-020A	INST BOOK	KOREAN	422KR
A 1	GNT0060-019A	INST BOOK	CHINESE	422TW
A 1	GNT0060-022A	INST BOOK	SPANISH	422UA,422UM
A 2	LE40932-006A	SHEET		
A 3	QAM0027-002	CONVERSION PLUG		422AS,422TW
A 4	QAM0112-002	SIEMENS PLUG		420UJ,422AG,422AX,422UM
A 5	-----	WARRANTY CARD	BT-56012-1	422AA
A 5	-----	WARRANTY CARD	BT-59019-1	422AC
A 5	-----	WARRANTY CARD	BT-56013-1	422KR
A 6	BT-59021-5C	SVC CENTER LIST		422AC
A 7	GN30076-001A	SURVEY CARD		422AC
A 8	GN30014-016A	UB SHEET		422AH
A 9	QAM0328-001	AV CORD 3P		
A10	RM-SXV069M	REMOCON UNIT		420UJ
A10	RM-SXV070A	REMOCON UNIT		only 422
A11	-----	BATTERY	R6TYPE(x2)	
A12	QPC02504015P	POLY BAG	FOR INST.	
A13	QPC01503515	POLY BAG	15cm x 35cm	
P 1	QPC06005515P	POLY BAG	FOR SET	
P 2	GN10068-001A	PACKING CASE		420UJ
P 2	GN10068-011A	PACKING CASE		422AA
P 2	GN10068-014A	PACKING CASE		422AC
P 2	GN10068-009A	PACKING CASE		422AG,422KR,422TW
P 2	GN10068-012A	PACKING CASE		422AH
P 2	GN10068-010A	PACKING CASE		422AS,422AX
P 2	GN10068-015A	PACKING CASE		422UA
P 2	GN10068-013A	PACKING CASE		422UM
P 3	GN20117-001A	PACKING PAD(L)	LEFT	except 422AC
P 3	GN20119-001A	PACKING PAD(L)	LEFT	422AC
P 4	GN20118-001A	PACKING PAD(R)	RIGHT	except 422AC
P 4	GN20120-001A	PACKING PAD(R)	RIGHT	422AC
P 5	GN30099-005A	SHEET ASSY		420UJ,422AG,422AS,422AX,422KR,422TW,422UM
P 5	GN30099-004A	SHEET ASSY		422AA,422AH,422UA
P 5	GN30099-006A	SHEET ASSY		422AC
P 6	GN30131-001A	SHEET ASSY		except 422AC
P 6	GN30131-002A	SHEET ASSY		422AC

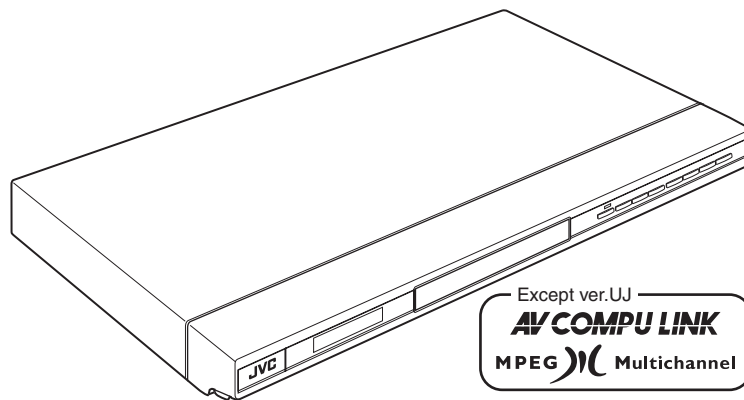
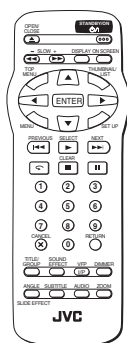
JVC

SCHEMATIC DIAGRAMS

DVD PLAYER

**XV-N320BAG2, XV-N322SAA2, XV-N322SAC2,
XV-N322SAG2, XV-N322SAH2, XV-N322SAS2,
XV-N322SAX2, XV-N322STW2, XV-N322SUA2,
XV-N322SUJ2, XV-N322SUM2, XV-N325SUB2**

CD-ROM No.SML200602



Area Suffix (XV-N320B)
AG ----- Universal Asia

Area Suffix (XV-N325S)
UB ----- Brazil

Area Suffix (XV-N322S)
AA ----- Australia
AC ----- China
AG ----- Universal Asia
AH ----- Hong Kong
AS ----- Saudi Arabia
AX ----- Middle East
TW ----- Taiwan
UA ----- Argentina
UJ ----- U.S.A Military
UM ----- Latin America

Except ver. UJ

AV COMPU LINK

MPEG Multichannel



XV-N320BAG2C, XV-N322SAA2C, XV-N322SAC2C, XV-N322SAG2C, XV-N322SAH2C, XV-N322SAS2C
XV-N322SAX2C, XV-N322STW2C, XV-N322SUA2C, XV-N322SUJ2C, XV-N322SUM2C, XV-N325SUB2C

This model is a model to which Pick up of "XV-N320B, XV-N322S, XV-N325S" that has already been put on the market and "Circumference circuit of pick up" are changed. Please see page 1-3 for details.

CHARTS AND DIAGRAMS

NOTES OF SCHEMATIC DIAGRAM

Safety precautions
The Components identified by the symbol  are critical for safety. For continued safety, replace safety critical components only with manufacturer's recommended parts.

1. Units of components on the schematic diagram

- Unless otherwise specified.
- 1) All resistance values are in ohm. 1/6 W, 1/8 W (refer to parts list).
Chip resistors are 1/16 W.
K: KΩ(1000Ω), M: MΩ (1000KΩ)
 - 2) All capacitance values are in μF, (P: PF).
 - 3) All inductance values are in μH, (m: mH).
 - 4) All diodes are 1SS133, MA165 or 1N4148M (refer to parts list).

Note: The Parts Number, value and rated voltage etc. in the Schematic Diagram are for references only.
When replacing the parts, refer to the Parts List.

2. Indications of control voltage

- AUX : Active at high.
 or AUX(L) : Active at low.

3. Interpreting Connector indications

1

2

3

Removable connector

1

2

3

Wire soldered directly on board

1

2

3

Non-removable Board connector

1

2

3

4

Board to Board

→

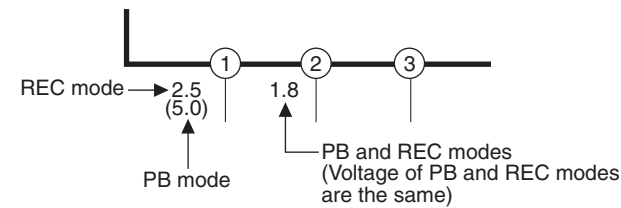
←

↔

} Connected pattern on board
The arrows indicate signal path

4. Voltage measurement

- 1) Regulator (DC/DC CONV) circuits
REC : Colour bar signal.
PB : Alignment tape (Colour bar).
— : Unmeasurable or unnecessary to measure.
- 2) Indication on schematic diagram
Voltage indications for REC and PB mode on the schematic diagram are as shown below.



Note: If the voltages are not indicated on the schematic diagram, refer to the voltage charts.

6. Indication of the parts for adjustments

The parts for the adjustments are surrounded with the circle as shown below.

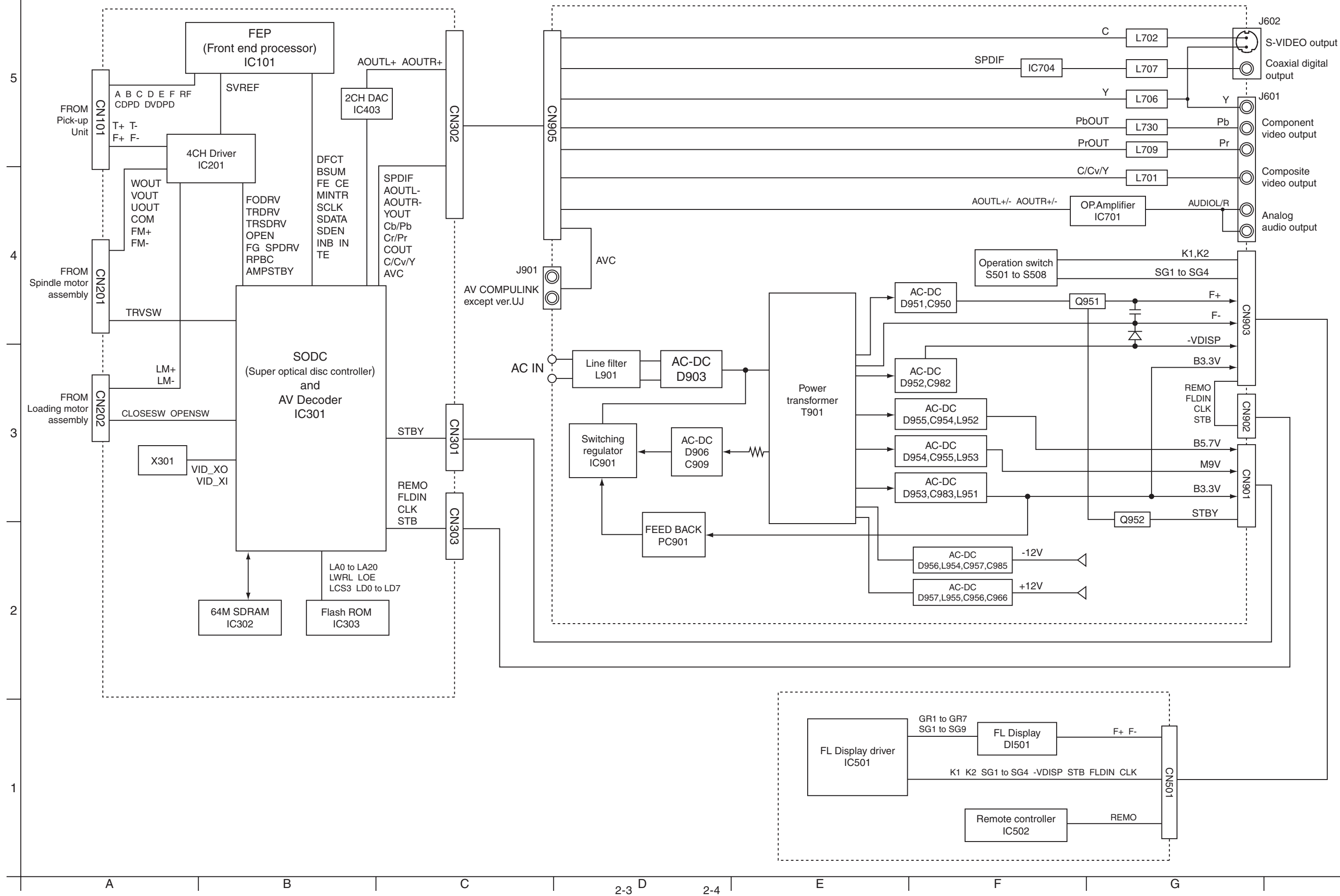


7. Indication of the parts not mounted on the circuit board

“OPEN” is indicated by the parts not mounted on the circuit board.



Block diagram



Standard schematic diagrams

Servo control section

5

To pick-up unit

4

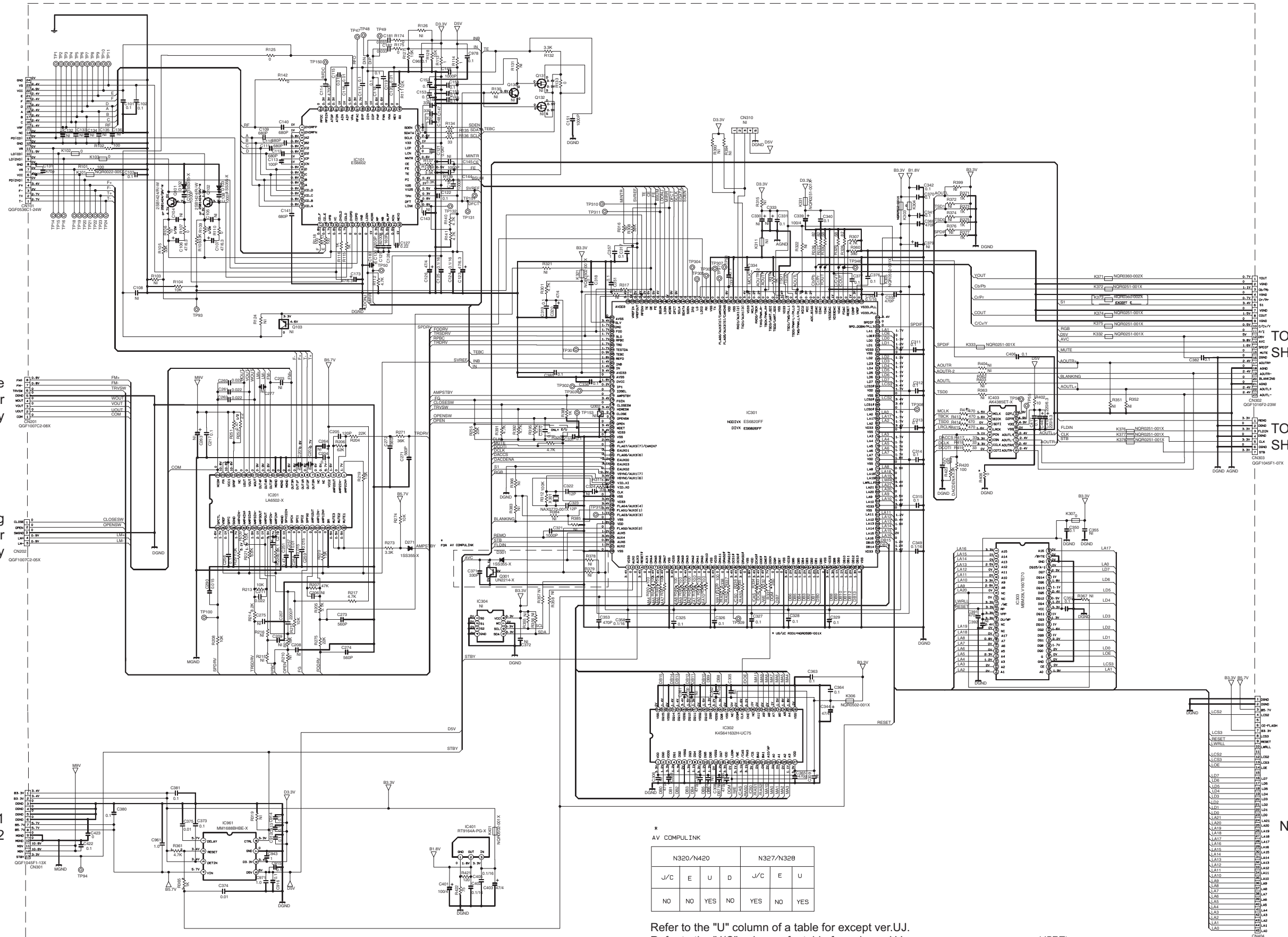
To spindle motor assembly

3

To loading motor assembly

2

1



TO CN905
SHEET 2

TO CN902
SHEET 2

Not use

* AV COMPLINK

N320/N420				N327/N328		
J/C	E	U	D	J/C	E	U
NO	NO	YES	NO	YES	NO	YES

Refer to the "U" column of a table for except ver.UJ.
Refer to the "J/C" column of a table for only ver.UJ.

MODEL
N322/N422 MARK2
XV-N320/N420/N327/N328/P313

gns10037001a1_rev0
SHEET 1

A B C D E F G

2-5

2-6

Power supply and AV output terminal section

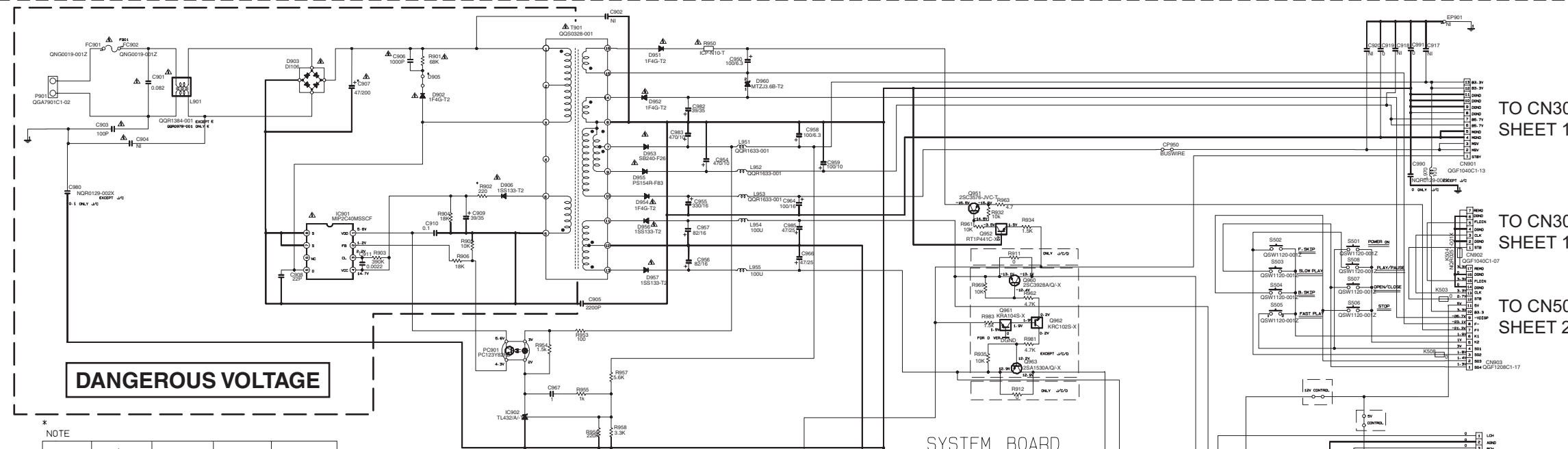
5

4

3

2

1

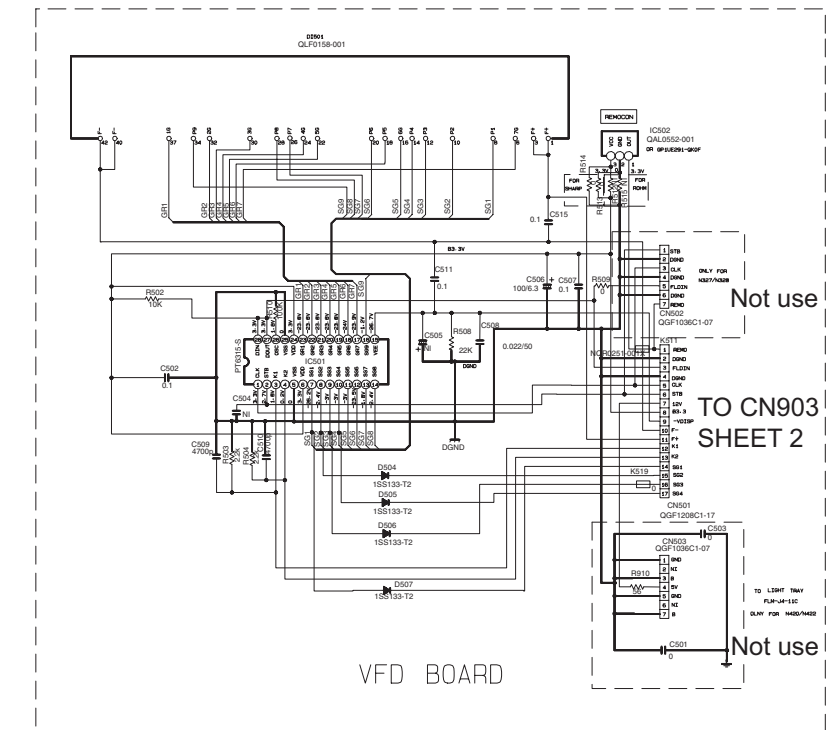


NOTE

VER.	J/C	D	U	E
C907	47U	56U	47U	33U
D905	BUSWIRE	BUSWIRE	1F4G-T2	1F4G-T2
R902	270	270	270	220
F901	QMF51U1-1R6-JB 1.6A-125		QMF51U1-1R6-JB 1.6A-250	
D906	1SS133-T2		1SS244-T2	
D956	1SS133-T2		1SS244-T2	
D957	1SS133-T2		1SS244-T2	
L901		QGR1384-001		QGR097B-001

Refer to the "U" column of a table for except ver.UJ.
Refer to the "J/C" column of a table for only ver.UJ.

Parts are safety assurance parts.
When replacing those parts make
sure to use the specified one.



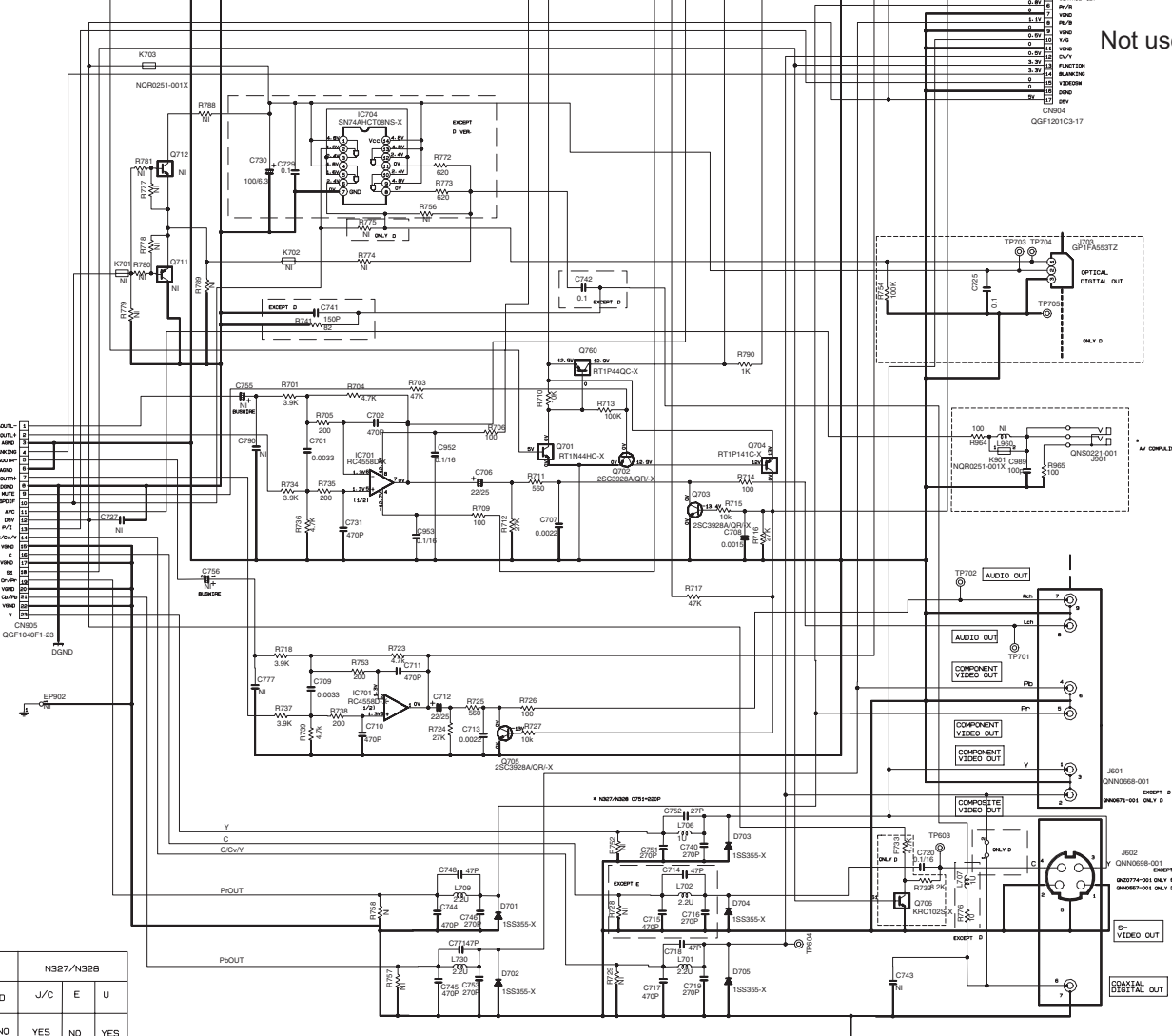
TO CN302 SHEET 1

AV COMPULINK

N320/N420				N327/N328		
J/C	E	U	D	J/C	E	U
NO	NO	YES	NO	YES	NO	YES

Refer to the "U" column of a table for except ver.UJ.
Refer to the "J/C" column of a table for only ver.UJ.

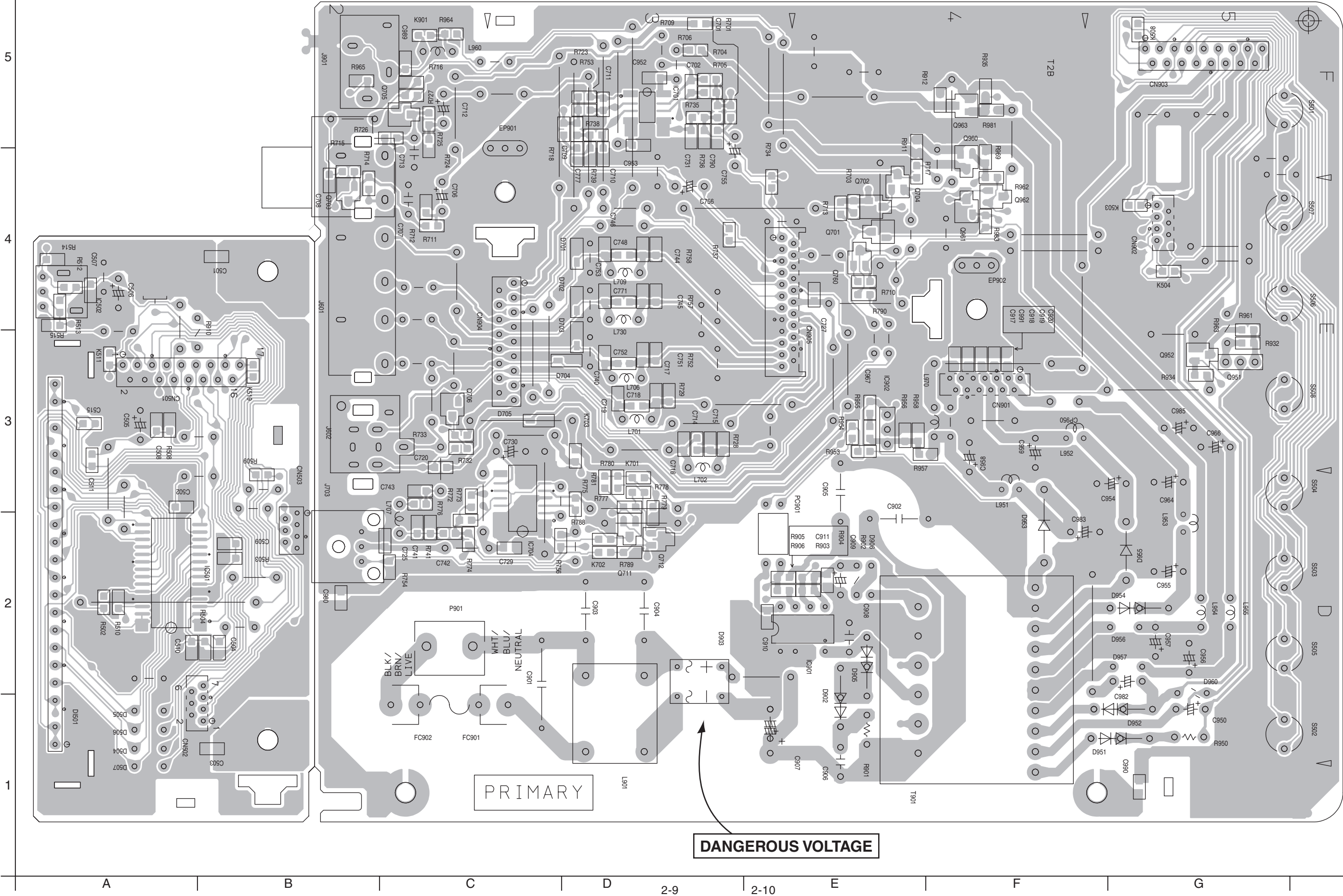
SYSTEM BOARD



MODEL N322/N422 MARK2
XV-N320/N420/N327/N328/P313

Printed circuit boards

■ Main board <01>



5



3



F

2-12

E



Victor Company of Japan, Limited

Digital Video Storage Category 12, 3-chome, Moriya-cho, kanagawa-ku, Yokohama, kanagawa-prefecture, 221-8528, Japan

No.YD066BSCH



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VPT