JVC

SCHEMATIC DIAGRAMS

COMPACT COMPONENT SYSTEM

MX-DK1US,MX-DK1UW,MX-DK1UG
MX-DK1UN,MX-DK3US,MX-DK3UW
MX-DK3UG,MX-DK3UN,MX-DK15UN

CD-ROM No.SML200606

SP-MXDK1F
SP-MXDK15F

CA-MXDK1
CA-MXDK15

SP-MXDK1F
SP-MXDK15F

SP-MXDK3F

CA-MXDK3

SP-MXDK3F

SP-MXDK3W

ACTIVE BASS EXTENSION

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

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No.MB515SCH
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In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (▬), diode (▮) and ICP (●) or identified by the "⚠" mark nearby are critical for safety.

Block diagram

Standard schematic diagrams

■ Primary section

POWER SUPPLY BLOCK AC110V/127V/220V/230V-240V∿ 50Hz/60Hz

VOLTAGE SELECTOR LOCATION

* MARK

	MX-DK1/ MX-DK15	MX-DK3	MX-DK5	MX-DK51
T1	QQT0515-001/ QQT0504-001	QQT0505-001	QQT0505-001	QQT0506-001
F001	3.15A/250V	4A/250V	4A/250V	5A/250V
F003	1.6A/250V	2A/250V	2A/250V	3.15A/250V
F101	3.15A/250V	3.15A/250V	6.3A/250V	6.3A/250V
F102	3.15A/250V	3.15A/250V	6.3A/250V	6.3A/250V
F103	2A/250V	2A/250V	2A/250V	2A/250V
F104	3.15A/250V	3.15A/250V	3.15A/250V	3.15A/250V

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

■ Amplifier section

■ FL display, User key, Mic input section

● MARK MX-DK1/DK15/DK3/DK5/DK51

REF NO. \ VERSION	US	UN	UG/UX	UY	EE	UW	A	REMARK
R9103	1K	1K	1K	4.7K	4.7K	5.6K	10K	
R9104	SHORT	1.2K	1.2K	1.2K	1.2K	3K	3K	
R9105	SHORT	SHORT	1.5K	SHORT	2.7K	3.9K	5.1K	

● MARK MX-DK1/DK15/DK3/DK5/DK51

REF NO. \ VERSION	US	UN	UG/UX	UY	EE	UW	A	REMARK
B9003 B9004	NI	NI	NI	USED	NI	NI	USED	FOR VERSION WITH FRONT AUX ONLY

● MARK

REF NO. \ MODEL	MX-DK1	MX-DK3	MX-DK5	MX-DK51
D9201	–	SLR-343VC-T	SELU2E10C-P	SELU2E10C-P
R9198	–	220	220	220
D9200	GLR-56VC3F	SELU1E54CM-P	SELU1E54CM-P	SELU1E54CM-P
R9199	130	75	75	75

NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
   CONDITION —— AUX MODE: VOL MIN. BASS OFF
2. UNLESS OTHERWISE SPECIFIED
   ALL RESISTORS ARE 1/4W ± 5% SMT PART
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
   ALL CAPACITANCE VALUES ARE IN μF(MμF).
   ALL INDUCTANCE VALUES ARE IN μH(mμH).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V).
   ALL DIODE ARE 1SS355-X
   ALL Z-DIODE ARE UZ23-X, MB-X
3. NI —> NO INSERT

■ VIdeo output section

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER
   OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
   CONDITION --- CD STOP MODE Vol.0
2. UNLESS OTHERWISE SPECIFIED RESISTORS ARE 1/8W ±5% CARBON RESISTOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
   ALL CAPACITANCE VALUES ARE IN μF(P=pF).
   ALL INDUCTANCE VALUES ARE IN μH(m=mH).
   ALL E-CAPACITORS ARE SHOWN IN THE FORM
   OF CAPACITANCE (μF)/RATED VOLTAGE (V).
   ALL DIODES ARE MA111-X
3. MARK(* AND #) IS TO SHOW DEVVIATION IN VERSIONS ARE EXPLAINED NEAR MARK.
4. NI---->NO INSERT(NO USE)

■ External input, Source selector, System micon section

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION ---- CD STOP MODE
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/4W ± 5% CARBON FILM RESISTOR OR 0.063W ±5% THICK FILM CHIP RESISTOR
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITANCE VALUES ARE IN F(P=pF).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF)/RATED VOLTAGE (V).
   ALL INDUCTANCE VALUES ARE IN μH(m=mH).
   ALL DIODES ARE 1SS133-T2
   ALL FERRITE BEADS ARE NQR0007-002X
3. NI---->NO INSERT(NO USE)

UN2113-X UN2111-X UN2213-X UN2215-X UN2214-X

■ Audio system section

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION --- CD STOP MODE
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/4W ± 5% CARBON FILM RESISTOR OR 0.063W ±5% THICK FILM CHIP RESISTOR
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITANCE VALUES ARE IN μF(P=pF).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF)/RATED VOLTAGE (V).
   ALL INDUCTANCE VALUES ARE IN μH(m=mH).
   ALL DIODES ARE 1SS133-T2
   ALL FERRITE BEADS ARE NQR0007-002X
3. NI--->NO INSERT(NO USE)

■ DVD module section (1)

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
   CONDITION --- A DVD disc in the Tray 1, and STOP mode.
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/16W ±5% METAL GLAZE RESISTOR, OR 0.5% METAL GLAZE RESISTOR.
   ALL CAPACITORS ARE 50V, 25V, 16V, 10V or 6.3V CERAMIC CAPACITOR
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITANCE VALUES ARE IN μF(p=pF).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF) /RATED VOLTAGE (V).
   ALL INDUCTANCE VALUES ARE IN μH(m=mH).
3. NI STANDS FOR NOT INSERTED PARTS.

■ DVD module section (2)

■ Loader section

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
   CONDITION --- A DVD disc in the Tray 1, and STOP mode.

2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/16W ±5% METAL GLAZE RESISTOR. OR 0.5% METAL GLAZE RESISTOR.
   ALL CAPACITORS ARE 50V, 25V, 16V, 10V or 6.3V CERAMIC CAPACITOR
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITANCE VALUES ARE IN μF(p=pF).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF) /RATED VOLTAGE (V).
   ALL INDUCTANCE VALUES ARE IN μH(m=mH).

3. NI STANDS FOR NOT INSERTED PARTS.

■ Cassette mechanism section

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
   CONDITION : MECHA STOP MODE

2. UNLESS OTHERWISE SPECIFIED , RESISTORS ARE 1/10W ±5% METAL GLAZE RESISTOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
   ALL CAPACITANCE VALUES ARE IN μF(P=pF).
   ALL INDUCTANCE VALUES ARE IN μH(m=mH).
   ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V).
   POLYPROPYLENE CAPACITOR

KRC107S-X

KRA102S-X

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

Printed circuit boards

■ Power board

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

(Primary board)

(Transformer board)

(Regulator and Surround amplifier board)

(Subwoofer jack board)

■ Micon board

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

■ Front board

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

■ DVD module board

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

forward side

Reverse side

■ DVD switch board

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

■ Cassette board

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

< MEMO >

JVC
Victor Company of Japan, Limited
Audio/Video Systems Category 10-1,1chome,Ohwatari-machi,Maebashi-city,371-8543,Japan

(No.MB515SCH)

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VPT