

CDX-C8000R/C8000RX

SERVICE MANUAL

Ver 1.2 2001.06

AEP Model
UK Model



Photo: CDX-C8000R

- The tuner and CD sections have no adjustments.

Model Name Using Similar Mechanism	CDX-C5000RV
CD Drive Mechanism Type	MG-383V-121//Q
Optical Pick-up Name	KSS-720A

SPECIFICATIONS

CD player section

System	Compact disc digital audio
Signal-to-noise ratio	90 dB
Frequency response	10 – 20,000 Hz
Wow and flutter	Below measurable limit

Tuner section

FM

Tuning range	87.5 – 108.0 MHz
Aerial terminal	External aerial connector
Intermediate frequency	10.7 MHz/450 kHz
Usable sensitivity	8 dBf
Selectivity	75 dB at 400 kHz
Signal-to-noise ratio	66 dB (stereo), 72 dB (mono)
Harmonic distortion at 1 kHz	0.6% (stereo), 0.3% (mono)
Separation	35 dB at 1 kHz
Frequency response	30 – 15,000 Hz

MW/LW

Tuning range	MW: 531 – 1,602 kHz LW: 153 – 279 kHz
Aerial terminal	External aerial connector
Intermediate frequency	10.7 MHz/450 kHz
Sensitivity	MW: 30 μ V LW: 40 μ V

Power amplifier section

Outputs	Speaker outputs (sure seal connectors)
Speaker impedance	4 – 8 ohms
Maximum power output	50 W \times 4 (at 4 ohms)

General

Outputs	Audio outputs Power aerial relay control lead Power amplifier control lead Telephone ATT control lead
Power requirements	12 V DC car battery (negative ground)
Dimensions	Approx. 178 \times 50 \times 183 mm (w/h/d)
Mounting dimension	Approx. 182 \times 53 \times 162 mm (w/h/d)
Mass	Approx. 1.3 kg
Supplied accessories	Parts for installation and connections (1 set) Front panel case (1)

Design and specifications are subject to change without notice.

FM/MW/LW COMPACT DISC PLAYER

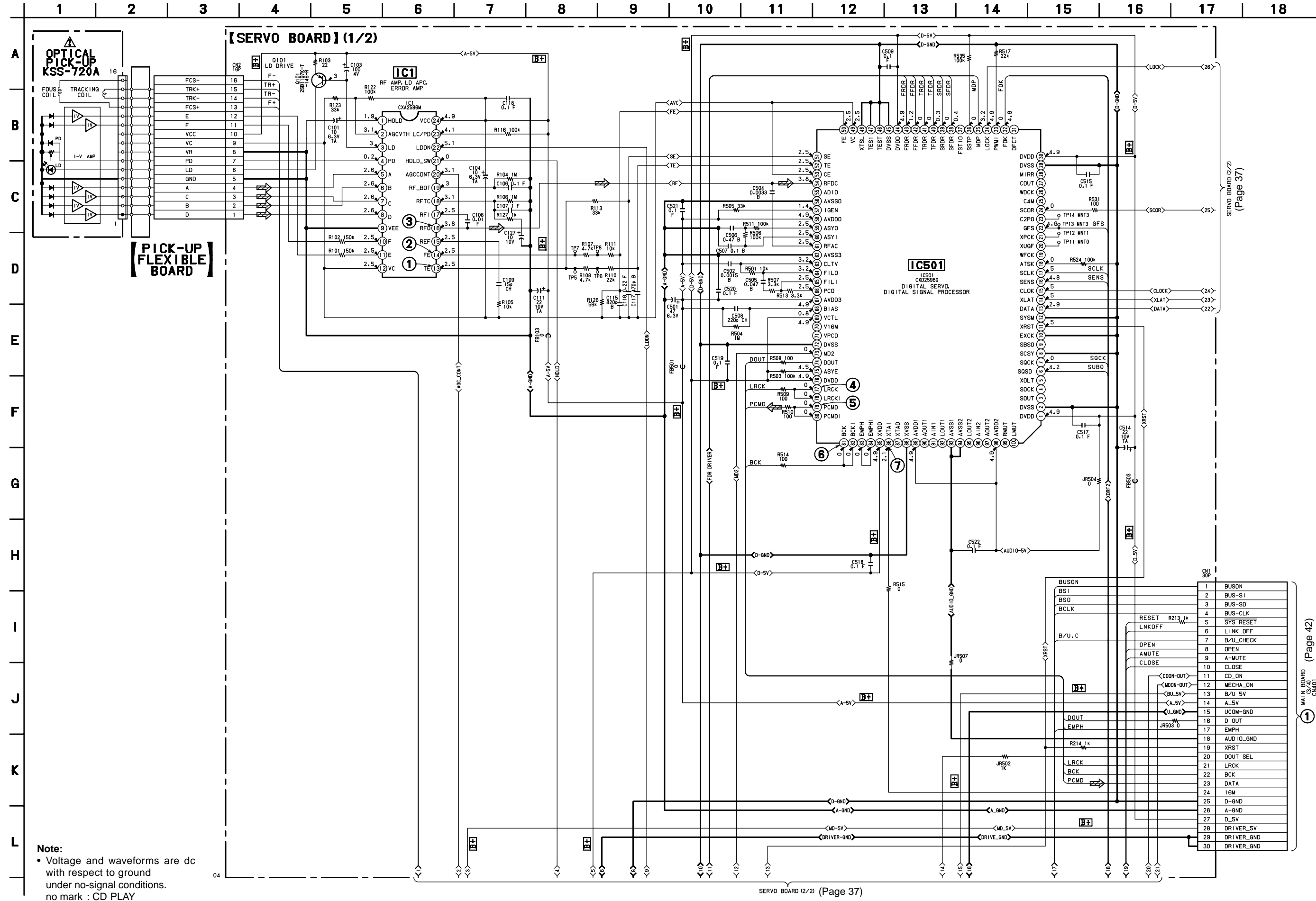
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• Refer to page 33 for Waveforms.

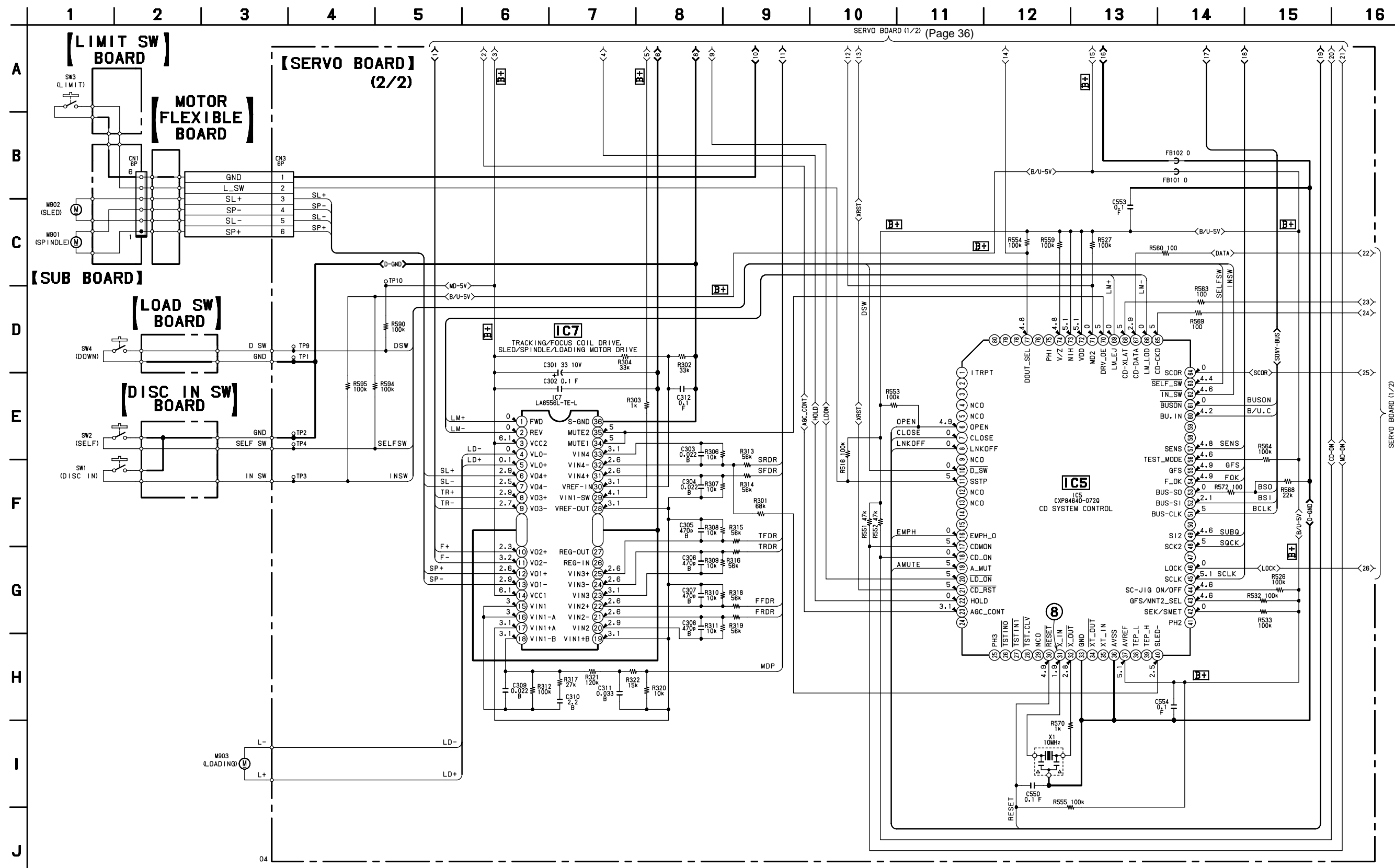
3-7. SCHEMATIC DIAGRAM — CD MECHANISM SECTION (1/2) — • Refer to page 50 for IC Block Diagrams.



Note:
• Voltage and waveforms are dc with respect to ground under no-signal conditions.
no mark : CD PLAY

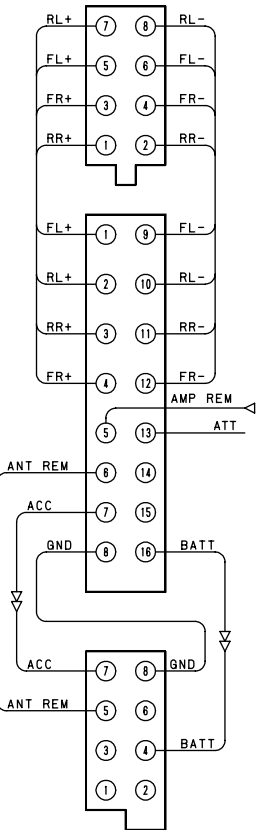
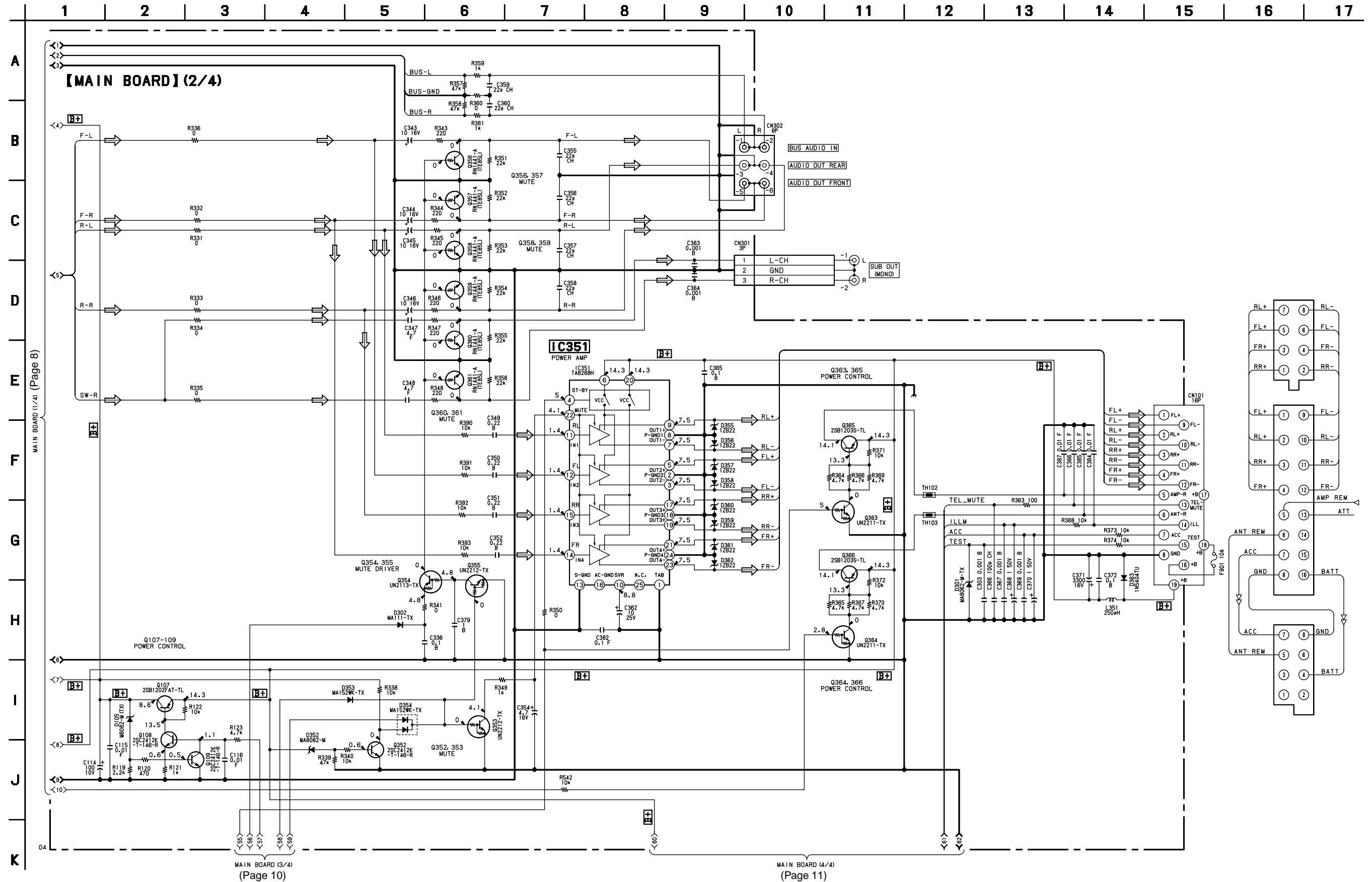
• Refer to page 33 for Waveforms.

3-8. SCHEMATIC DIAGRAM — CD MECHANISM SECTION (2/2) — • Refer to page 50 for IC Block Diagrams.



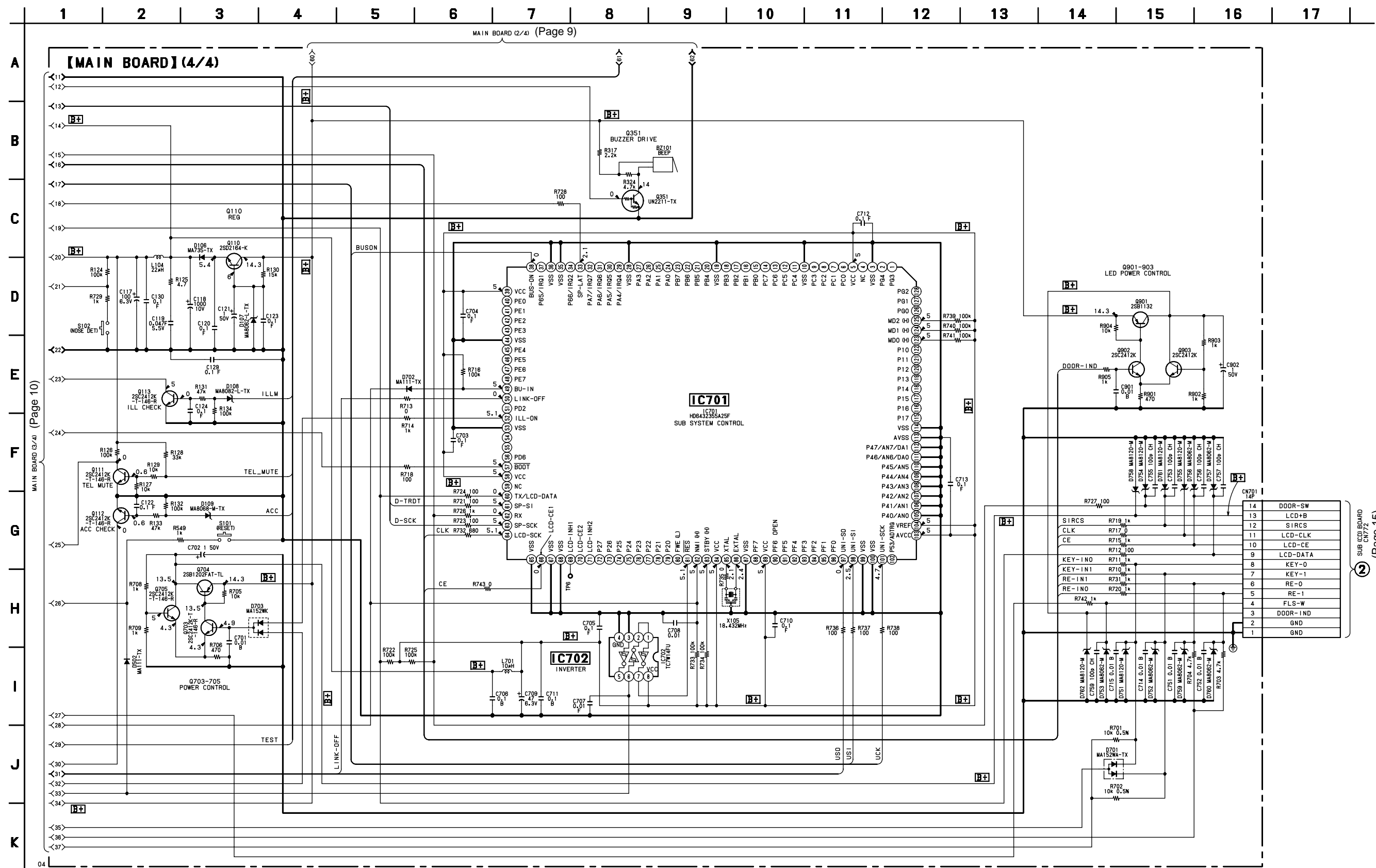
Note:
 • Voltage is dc with respect to ground under no-signal conditions.
 no mark : CD PLAY

2-5. SCHEMATIC DIAGRAM — MAIN SECTION (2/4) —



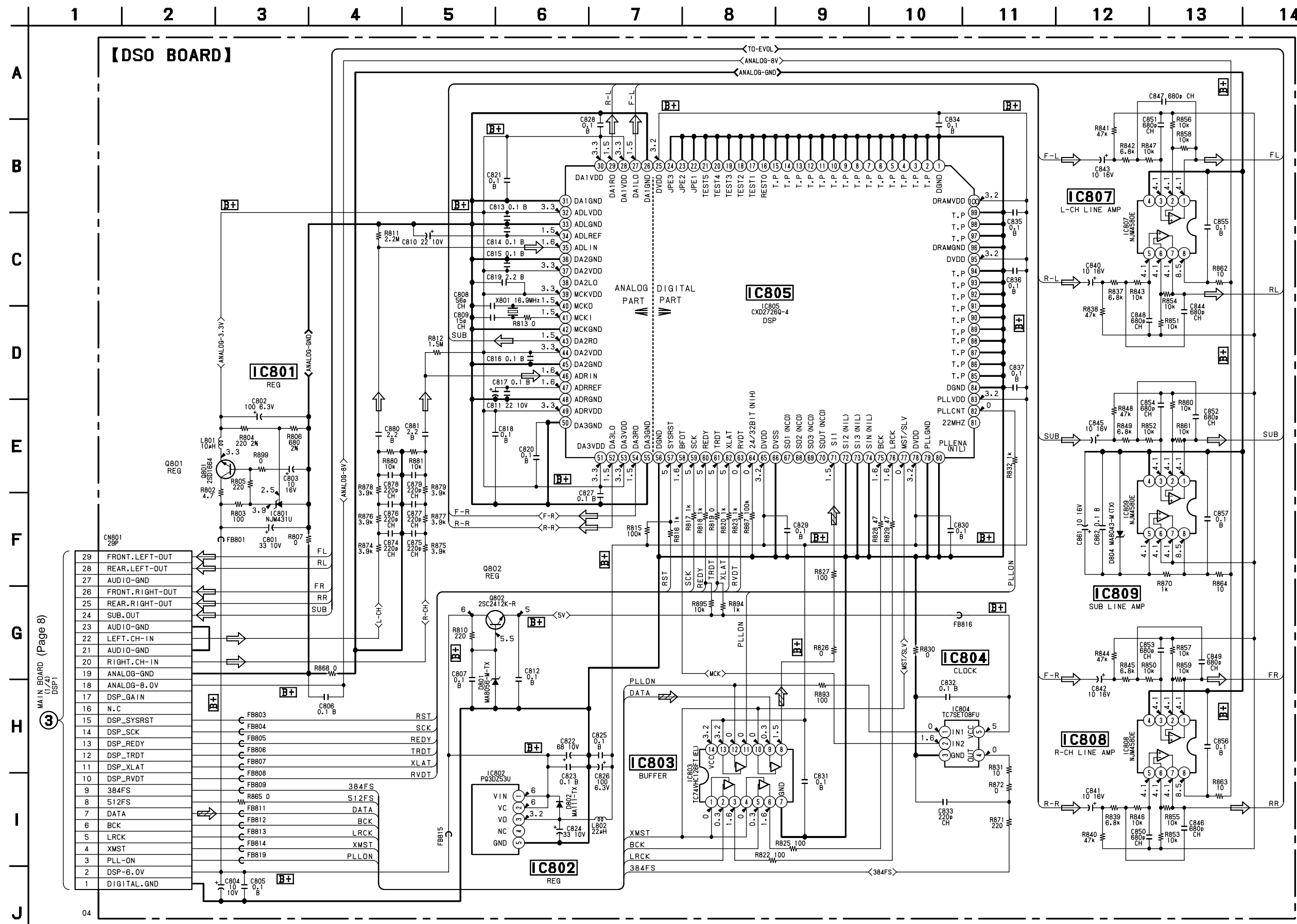
Note:
 • Voltage is dc with respect to ground under no-signal (detuned) condition.
 no mark : FM

2-7. SCHEMATIC DIAGRAM — MAIN SECTION (4/4) —



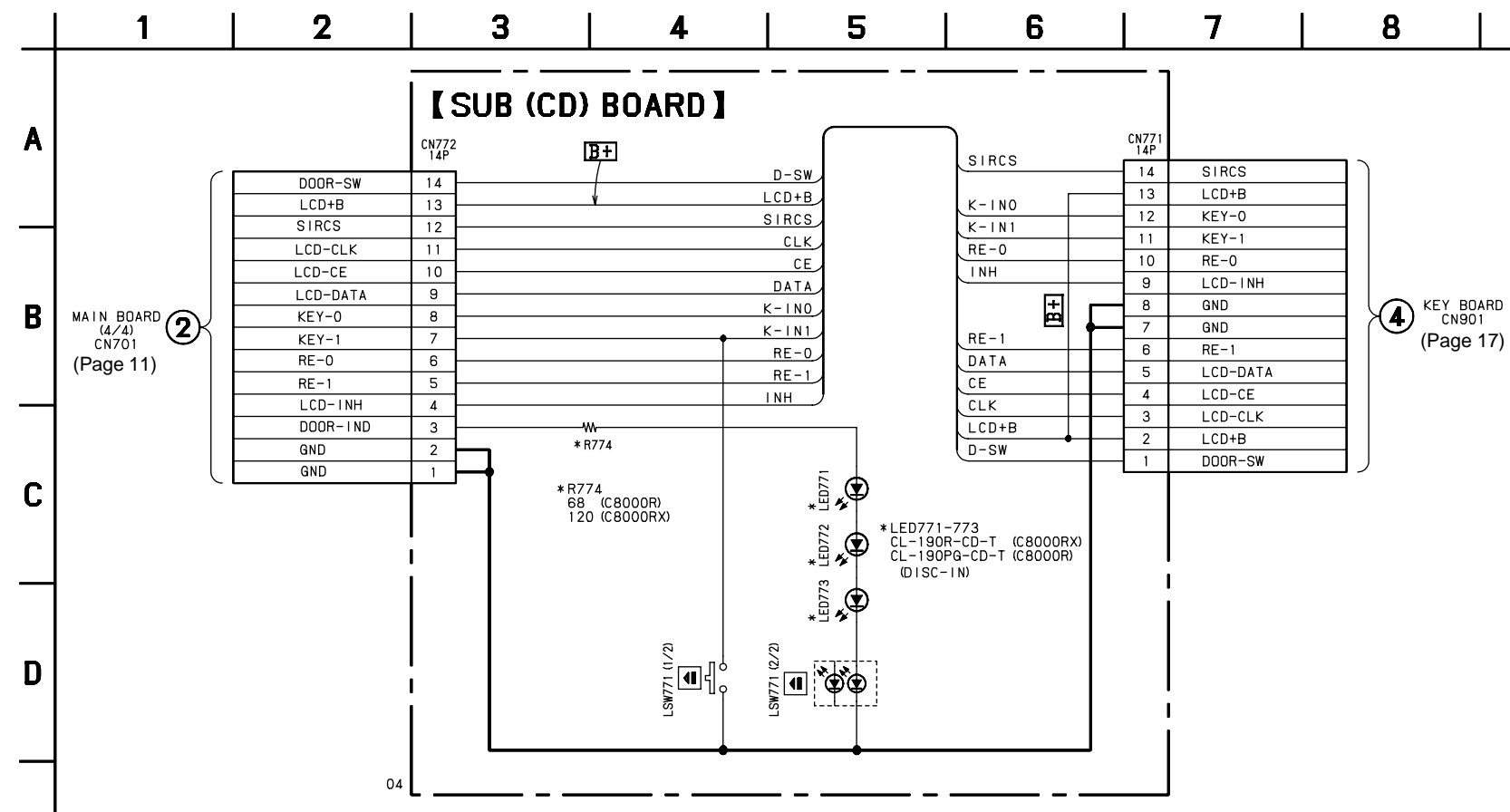
Note:
 • Voltage is dc with respect to ground under no-signal (detuned) condition.
 no mark : FM

2-9. SCHEMATIC DIAGRAM — DSO SECTION —



Note:
• Voltage is dc with respect to ground under no-signal (detuned) condition.
no mark : FM

2-11. SCHEMATIC DIAGRAM — SUB (CD) SECTION —



Note:

- Voltage is dc with respect to ground under no-signal (detuned) condition.
no mark : FM

