

CDX-F7500/F7700

SERVICE MANUAL

Ver 1.1 2004.04

AEP Model

UK Model

CDX-F7500/F7700

E Model

CDX-F7700



Photo: CDX-F7700

- The tuner and CD sections have no adjustments.

Model Name Using Similar Mechanism	CDX-F7700/F7705X
CD Drive Mechanism Type	MG-611MA-186//K
Optical Pick-up Name	KSS1000E

SPECIFICATIONS

CD player section

Signal-to-noise ratio	120 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	9 dBf
Selectivity	75 dB at 400 kHz
Signal-to-noise ratio	67 dB (stereo), 69 dB (mono)
Harmonic distortion at 1 kHz	0.5% (stereo), 0.3% (mono)
Separation	35 dB at 1 kHz
Frequency response	30 – 15,000 Hz

MW/LW

Tuning range	MW: 531 – 1,620 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	CDX-F7700: 52 W \times 4 (at 4 ohms) CDX-F7500: 50 W \times 4 (at 4 ohms)

General

Outputs	Audio output terminals (front/rear) Subwoofer output terminal (mono) Power aerial relay control terminal Power amplifier control terminal
Inputs	Telephone ATT control terminal Illumination control terminal BUS control input terminal BUS audio input or AUX IN terminal Remote controller input terminal Aerial input terminal
Tone controls	Bass \pm 8 dB at 100 Hz Treble \pm 8 dB at 10 kHz
Loudness	+8 dB at 100 Hz +2 dB at 10 kHz
Power requirements	12 V DC car battery (negative earth)
Dimensions	Approx. 178 \times 50 \times 178 mm (w/h/d)
Mounting dimensions	Approx. 182 \times 53 \times 161 mm (w/h/d)
Mass	Approx. 1.3 kg
Supplied accessories	Parts for installation and connections (1 set) Front panel case (1) Card remote commander RM-X140

Design and specifications are subject to change without notice.

FM/MW/LW COMPACT DISC PLAYER

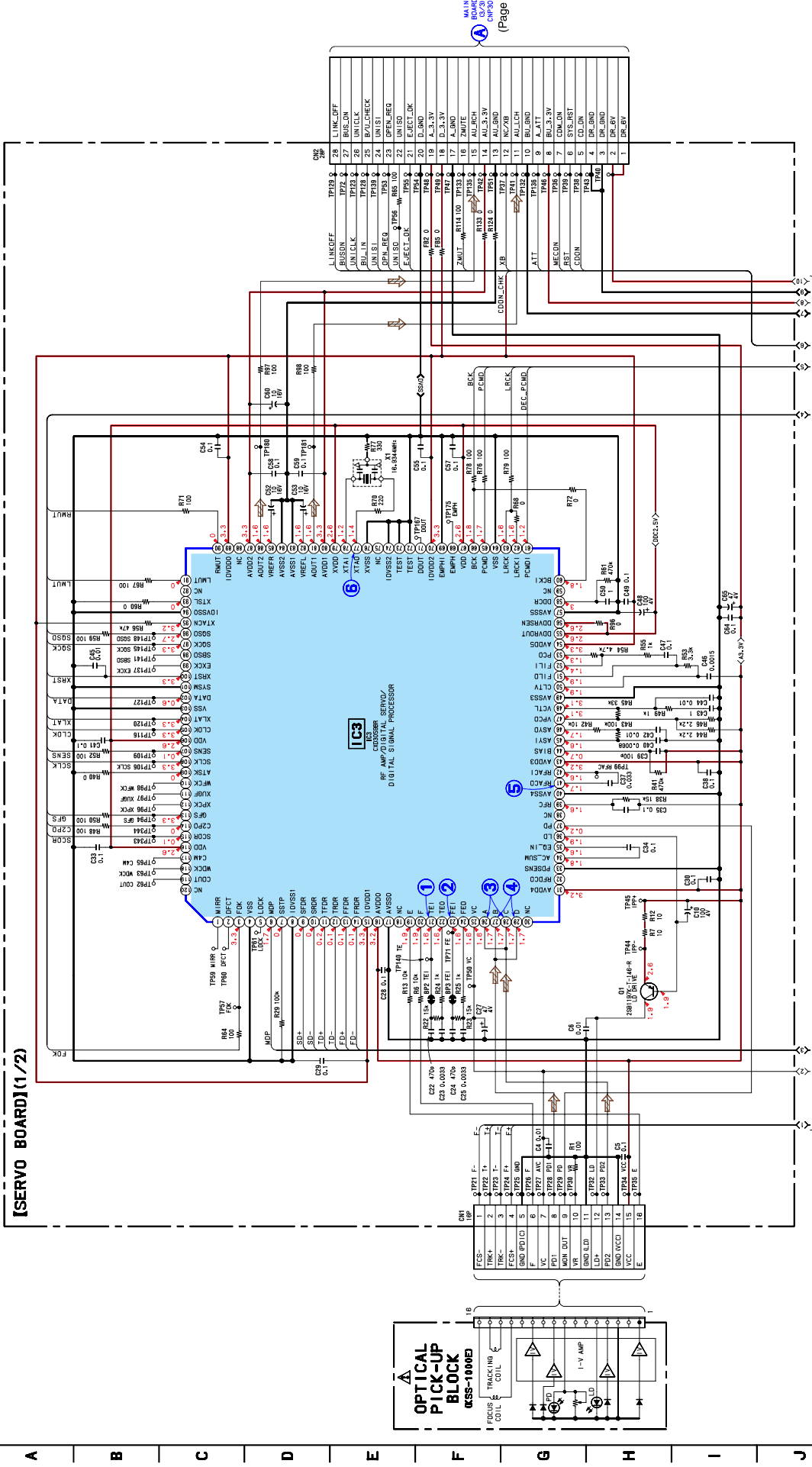
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3-8. SCHEMATIC DIAGRAM — CD MECHANISM SECTION (1/2) — • Refer to page 23 for Waveforms.

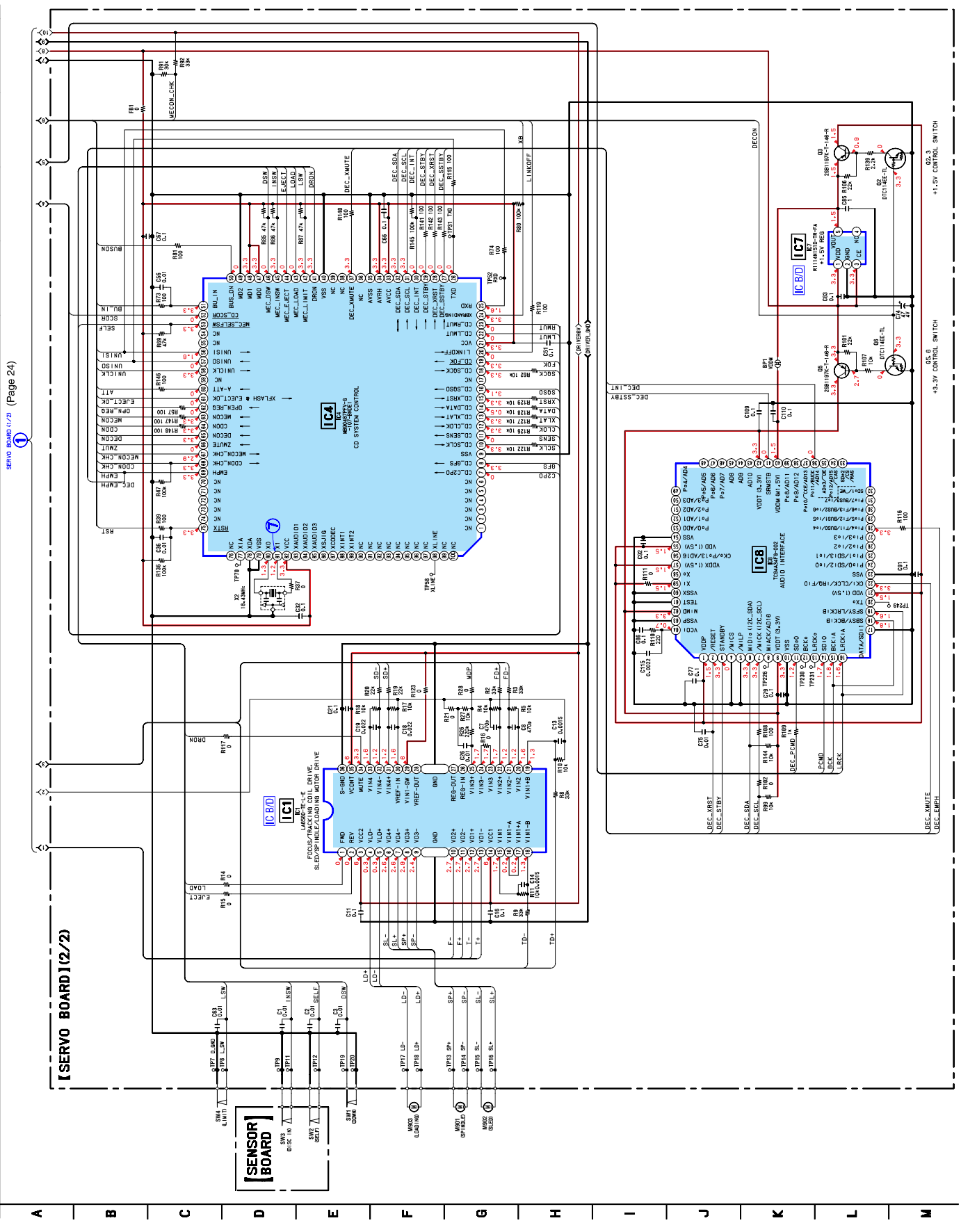
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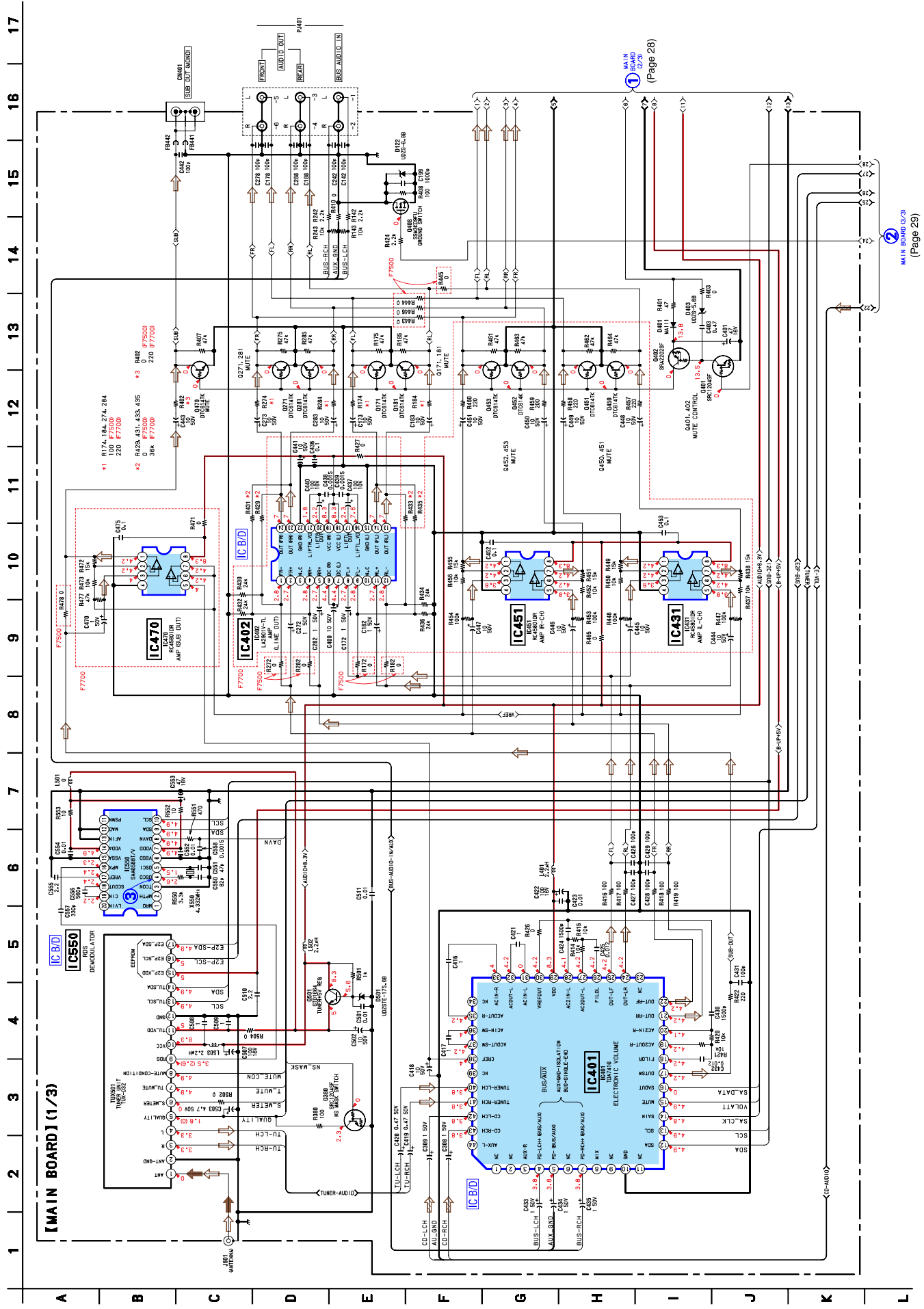
1 SERVO BOARD (2/2)

(Page 25)

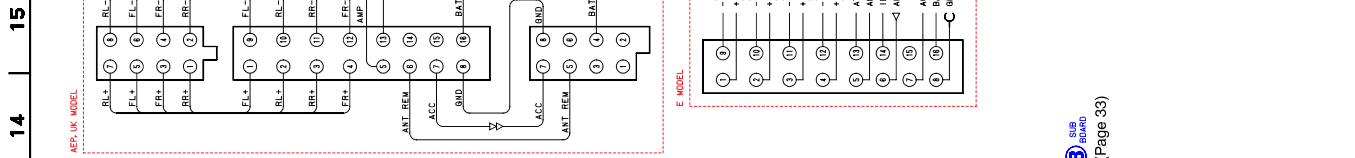
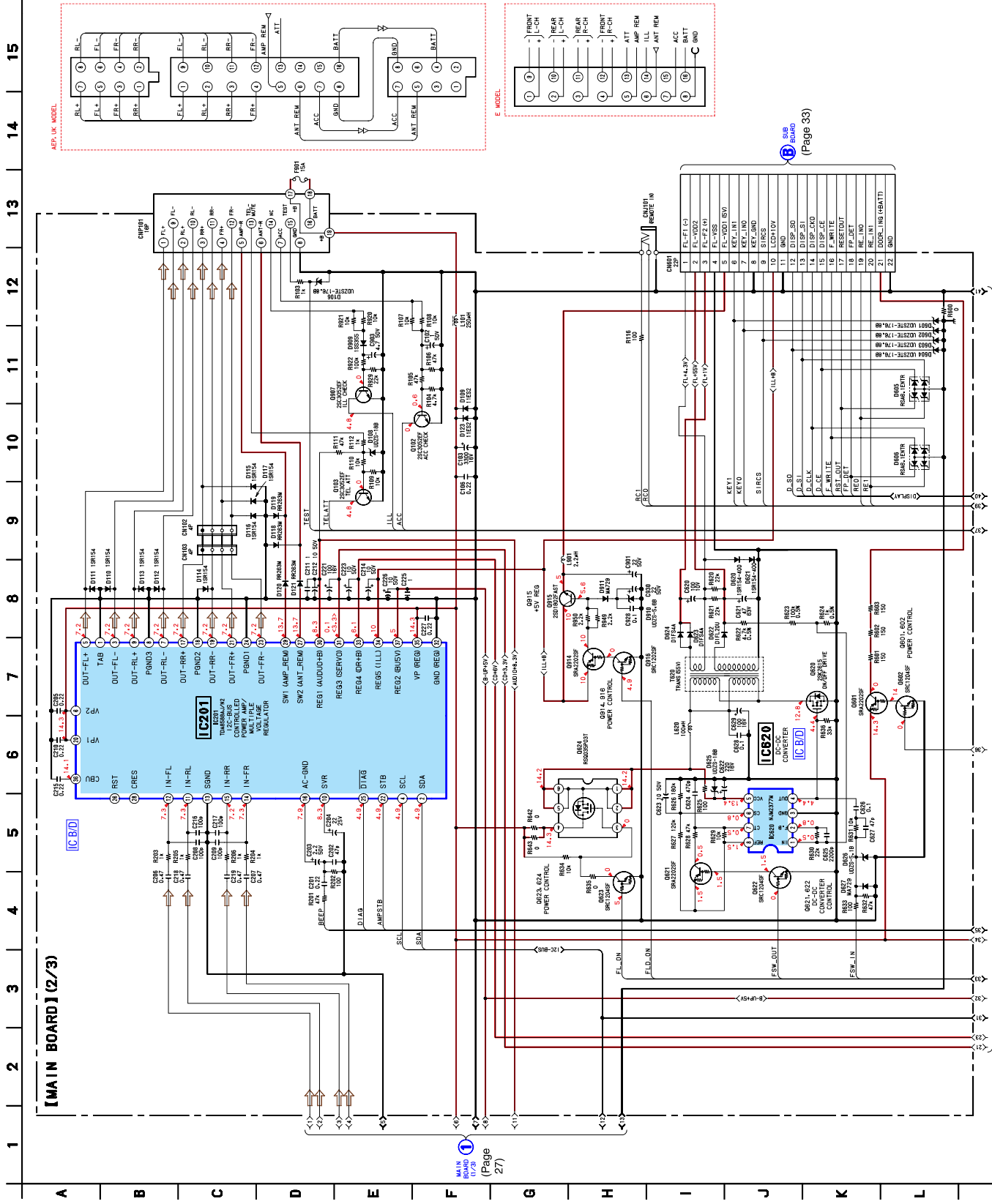
MAIN BOARD (Page 29)



3-11. SCHEMATIC DIAGRAM — MAIN SECTION (1/3) — • Refer to page 36 for IC Block Diagram.

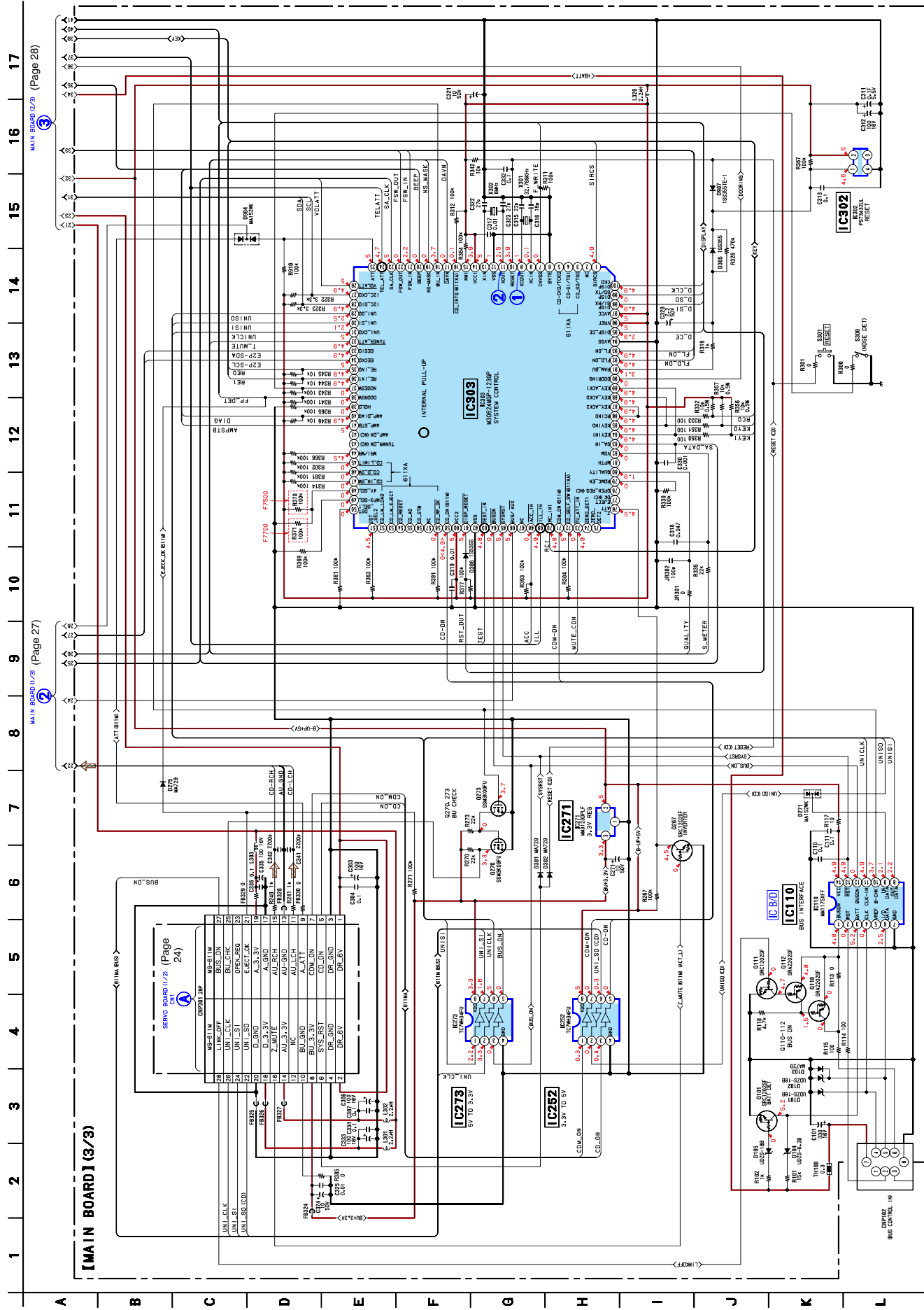


3-12. SCHEMATIC DIAGRAM — MAIN SECTION (2/3) — • Refer to page 36 for IC Block Diagram.



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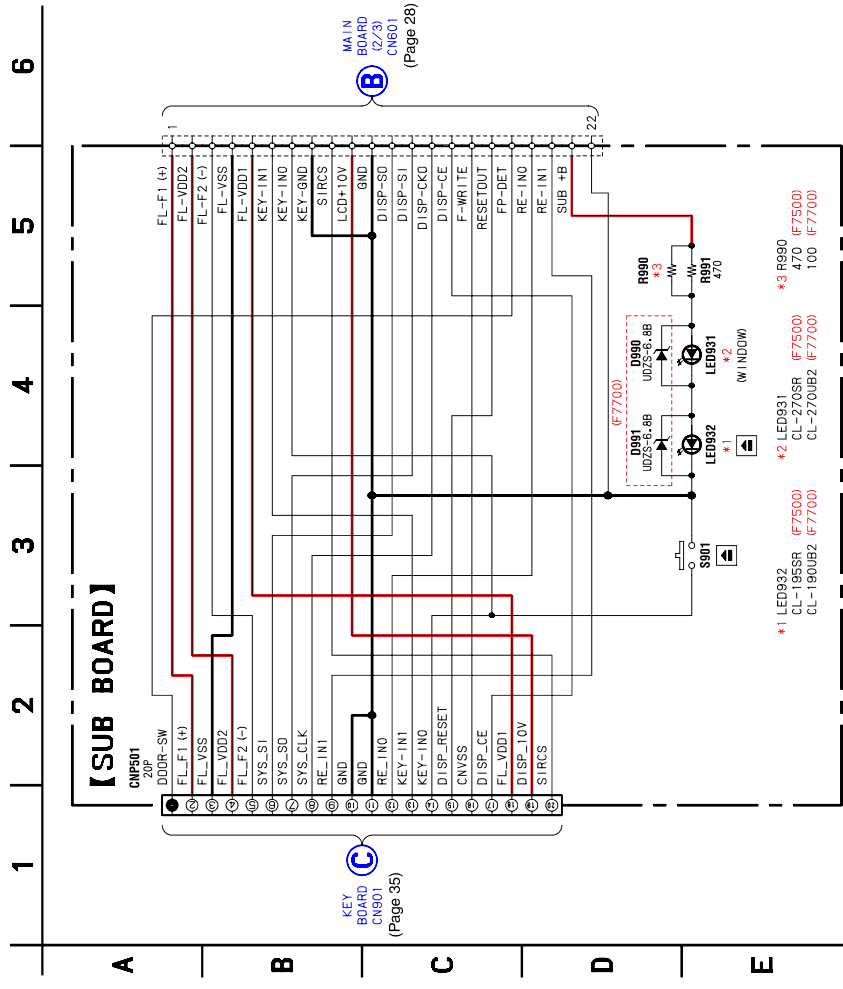
3-13. SCHEMATIC DIAGRAM — MAIN SECTION (3/3) — • Refer to page 23 for Waveforms. • Refer to page 37 for IC Block Diagram.



MAIN BOARD (1/2) (Page 27)

MAIN BOARD (2/2) (Page 28)

3-16. SCHEMATIC DIAGRAM — SUB SECTION —



3-18. SCHEMATIC DIAGRAM — KEY SECTION —

