

Service Manual

Radio Cassette
RX-1750LS

FM/LW/MW/SW 4-Band Radio Cassette Recorder



RQ-544 MECHANISM SERIES

■ SPECIFICATIONS

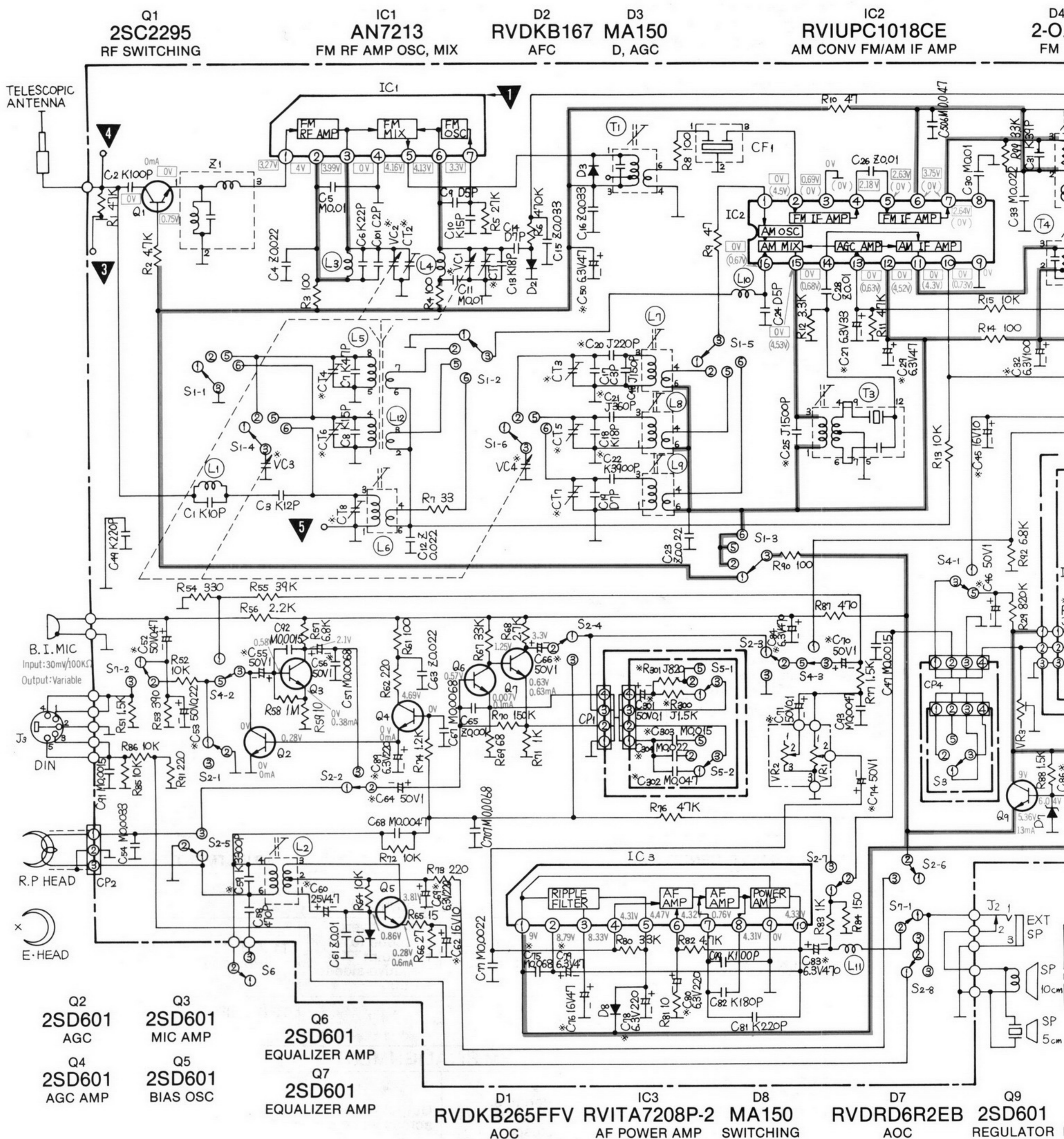
Power Requirement:	AC 100~110/115~127/200~220/ 230~250V, 50/60Hz Power consumption; 9W Battery; 9V (Six UM-1, R20 size dry batteries)	Output: Speaker:	EXT SP; 3.2~8Ω Woofers; 10 cm (4") PM Dynamic speaker (3.2Ω) Tweeter; 5 cm (2") PM Dynamic (500Ω)
Power Output:	3.5W (DC max)	Radio Frequency Range:	FM; 87.5~108 MHz LW; 145~285 kHz (2060~1060 m) MW; 520~1610 kHz (577~186 m) SW; 5.9~18 MHz (50.8~16.7 m)
Frequency Range:	100~9,000 Hz (with normal Tape) 100~10,000 Hz (with CrO ₂ Tape) 100~10,000 Hz (with FeCr Tape)	Intermediate Frequency:	FM; 10.7 MHz AM (LW, MW & SW); 455 kHz
Recording System:	AC bias, MAGNET erase	Sensitivity:	FM; 1.5μV/50mW output LW; 75μV/m/50mW output MW; 35μV/m/50mW output SW; 3μV/50mW output
Tape Speed:	4.8cm/s, (1-7/8 ips)	Dimensions:	350(W)×287(H)×117(D)mm (13-13/16"×11-5/16"×4-5/8")
Wow and Fultter:	0.48% (RMS)	Weight:	3.2kg (7 lb 1 oz.) without batteries
Program Time:	1 hour with C-60 cassette tape		
Track System:	2-track 1-channel 1 monaural recording and playback		
REC/PB Connection:	5P DIN type; Sensitivity IN 30mV/100KΩ over output Variable/10KΩ over		

Specifications are subject to change without notice.

 **Panasonic**

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SCHEMATIC DIAGRAM MODEL

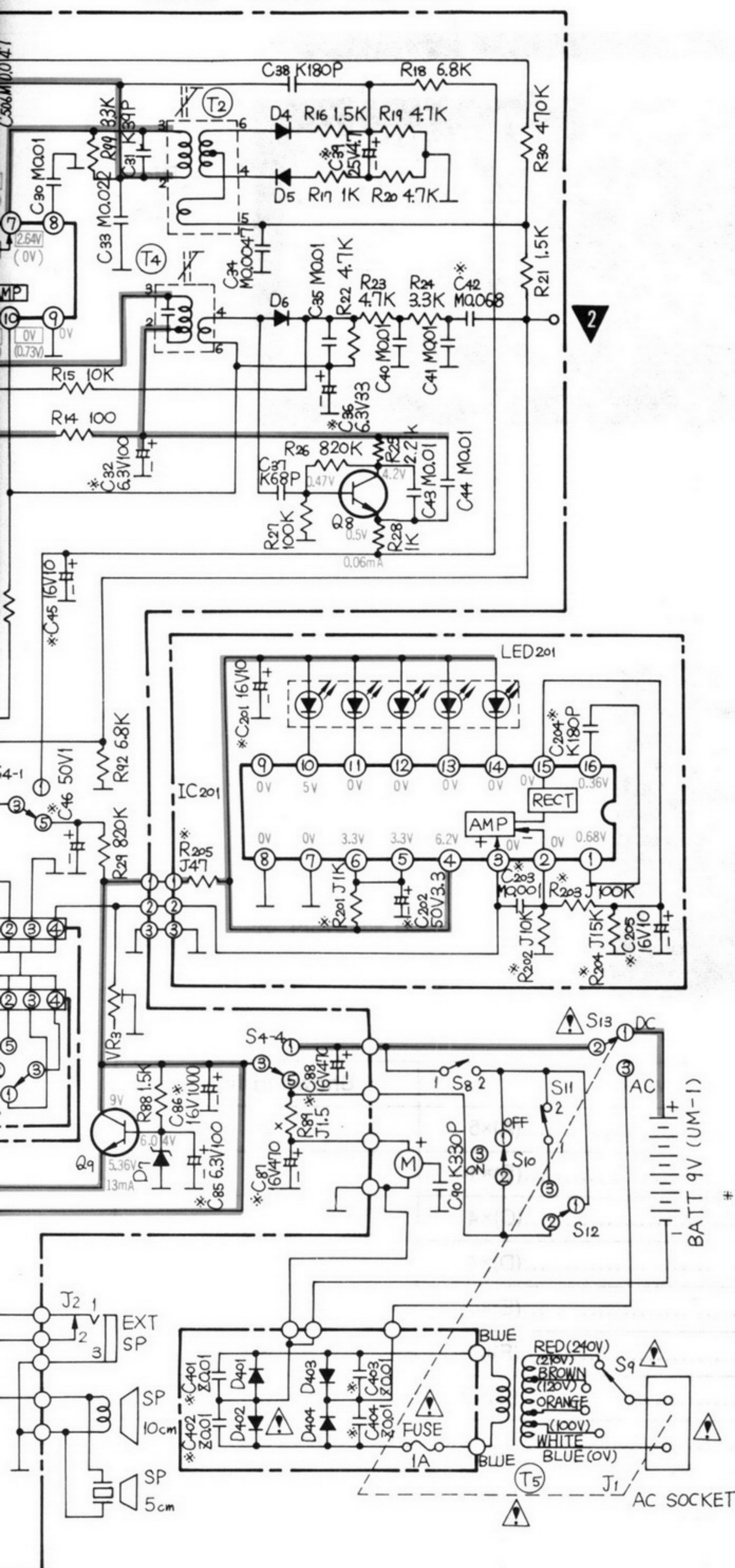


Notes:

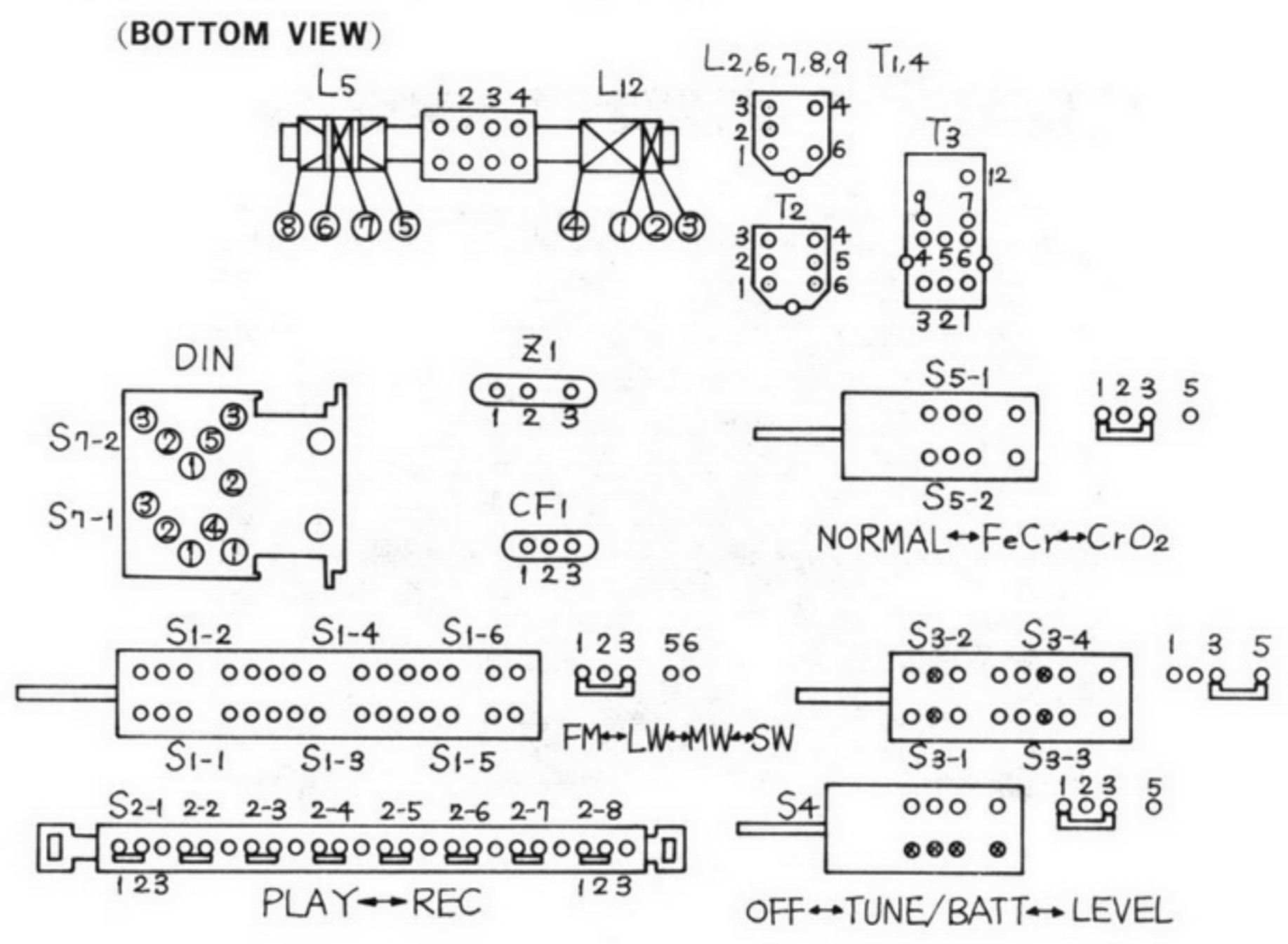
- | | | |
|--|---|----------------|
| 1. S1-1~S1-6: Band Selector switch in "FM" Position.
(1...FM, 2...LW, 3...MW, 4...SW) | 5. S5-1~S5-2: Tape selector switch in "Normal" Position.
(1...Normal, 2...FeCr, 5...CrO ₂) | 12. S12: |
| 2. S2-1~S2-8: Record/Playback switch in "Playback" Position.
(1...Playback, 3...Record) | 6. S6: Beat Proof switch in "OFF" Position. | 13. S13: |
| 3. S3: Meter selector switch in "OFF" Position.
(1...OFF, 2...Battery, 3...Level) | 7. S7-1~S7-2: DIN/MIC selector switch. | 14. DC voltage |
| 4. S4-1~S4-4: Tape/Radio selector switch in "Tape" Position.
(1...Radio, 5...Tape) | 8. S8: Motor switch in "OFF" Position. | voltmeter f |
| | 9. S9: AC voltage selector switch in "240V" Position. | ...FM |
| | 10. S10: Memory ON/OFF switch in "OFF" Position. | < >...Ba |
| | 11. S11: Counter switch in "ON" Position. | Q5...Rec Po |

MODEL—RX-1750LS

D4, 5 D6 Q8
 2-OA90 OA90 2SC2295
 FM DET AM DET METER AMP

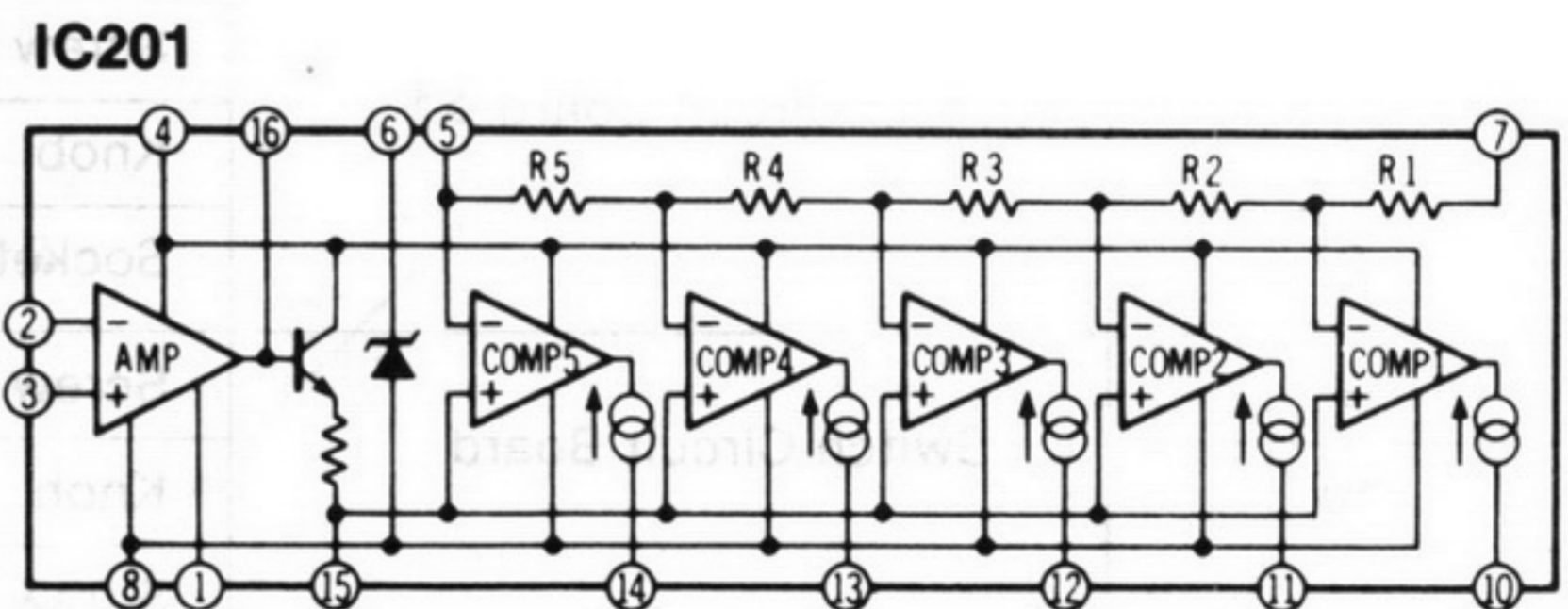


Q9 IC201 D401, 402, 403, 404 LED201
 REGULATOR METER AMP RECT LED METER



Output: 1.2V or more (DC MAX)
 Overall frequency response
 Normal 1kHz 0dB
 150Hz -3±5dB
 6kHz -11±7dB
 FeCr 1kHz 0dB
 150Hz 1±5dB
 6kHz -15±7dB
 CrO₂ 1kHz 0dB
 150Hz -1±5dB
 6kHz -11±7dB

IC1 	IC2, 201 	IC3
Q1~9 	D1, 2 Anode Cathode 	D3, 8 Cathode Anode
D4, 5 Cathode Anode 	D6 Anode 	D7, 401~404 Cathode Anode



- 12. S12: Review ON/OFF switch in "OFF" Position.
- 13. S13: DC/AC selector switch in "DC" Position.
- 14. DC voltage measurements are taken with electronics voltmeter from negative terminal of battery.
 [] ...FM Position, () ...AM Position
 < > ...Battery Position, [] ...Level Position,
 Q5...Rec Position.

- 15. Δ indicates that only parts specified by the manufacturer be used for safety.
- 16. Battery current: No signal 45mA
 Maximum (Radio) 540mA
 Maximum (Tape) 520mA
- 17. VR1...Volume Control, VR2...Tone Control,
 VR3...LED Meter Adjustment.
- 18. The mark (▼) shows test Point. e.g. ▼ = Test Point 1.