

Service Manual

Radio Cassette
RX-5500LS

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



RS-4350LJ MECHANISM SERIES

■ SPECIFICATIONS

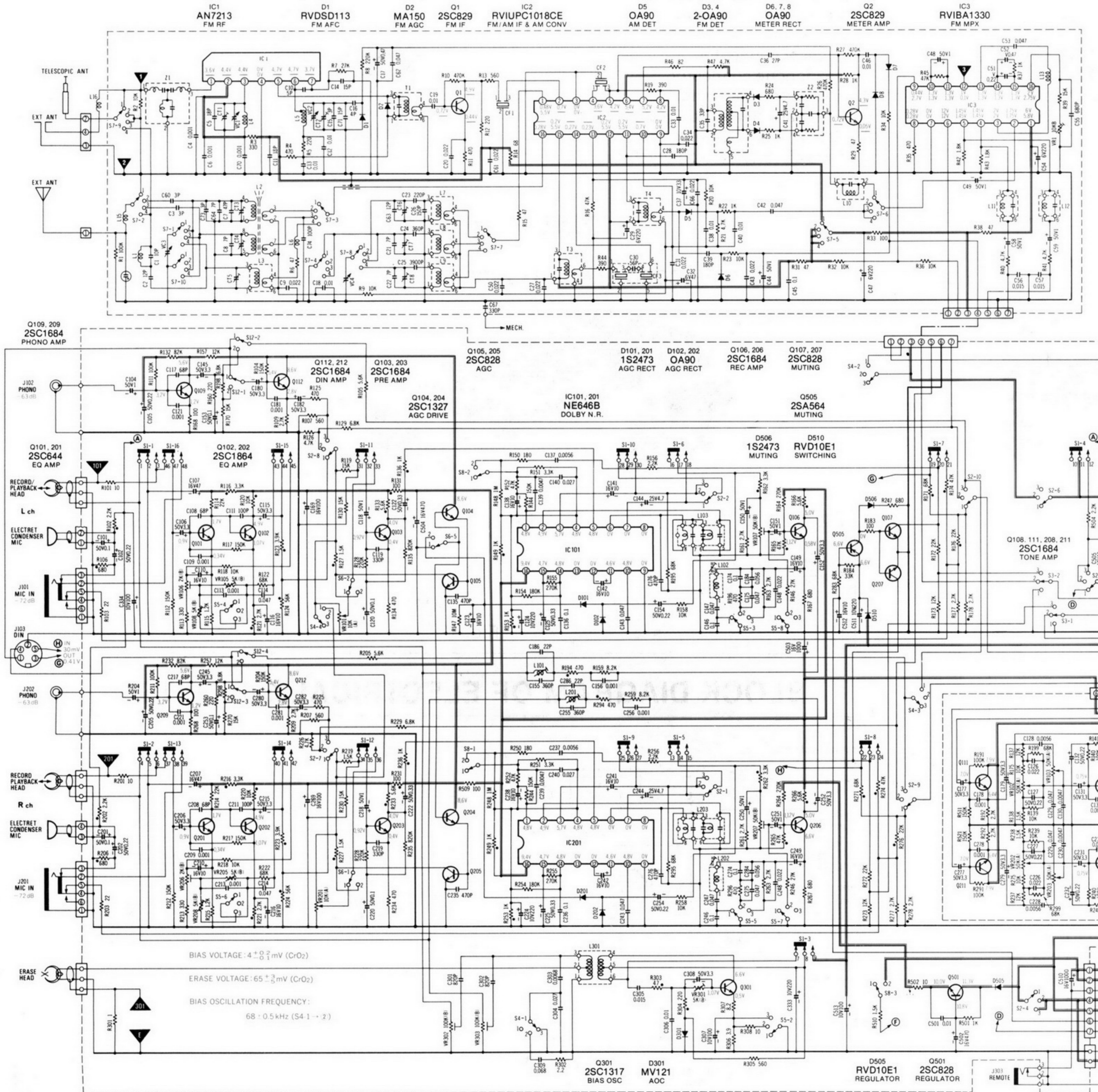
Power Requirement:	AC; 100 ~ 110/115 ~ 127/200 ~ 220/ 230 ~ 250V, 50/60Hz Power consumption; 33W Battery; 12V (eight-UM-1, R20 size dry batteries) Car/boat battery; with optional car/ boat adaptor RP-952)	REC/PB Connection:	5P DIN type IN; 30mV OUT; 0.41V
Power Output:	15.0W (7.5W x 2).....RMS (max.)	Others:	REMOTE; for start and stop at hand
Frequency Range:	40 ~ 12,000Hz (with normal tape) 40 ~ 13,000Hz (with CrO ₂ tape) 40 ~ 13,000Hz (with FeCr tape)	Speaker:	Woofer; 16cm (6-5/16") PM Dynamic speaker (3Ω) Tweeter; 3cm (1-3/16") PM Dynamic speaker (8Ω)
Recording System:	AC bias, AC erase	Radio Frequency Range:	FM; 87.5 ~ 108MHz LW; 145 ~ 285kHz (2060 ~ 1060m) MW; 520 ~ 1610kHz (577 ~ 186m) SW; 5.9 ~ 18MHz (50.8 ~ 16.7m)
Tape Speed:	4.8cm/s, (1-7/8 ips)	Intermediate Frequency:	FM; 10.7MHz AM (LW/MW/SW); 455kHz
Wow and Fultter:	0.09% (WRMS)	Sensitivity:	FM; 2μV/50mW output LW; 200μV/m/50mW output MW; 100μV/m/50mW output SW; 6μV/50mW output
Program Time4	1 hour with C-60 cassette tape	Dimensions:	47.8cm(W) x 29.3cm(H) x 16.3cm(D) [18-13/16" (W) x 11-9/16" (H) x 6-7/16" (D)]
Trasck System:	4-track stereo recording and playback	Weight:	6.75kg (14 lb. 13 oz.) without batteries
Input:	MIC; sensitivity 0.26mV/applicable microphone impedance 200Ω ~ 1kΩ (recommended microphone RP8135) PHONO; sensitivity 1.5mV/25kΩ over		
Output:	DC IN; 12V EXT SP; 3 ~ 8Ω HEADPHONES; 8Ω		

Specifications are subject to change without notice.

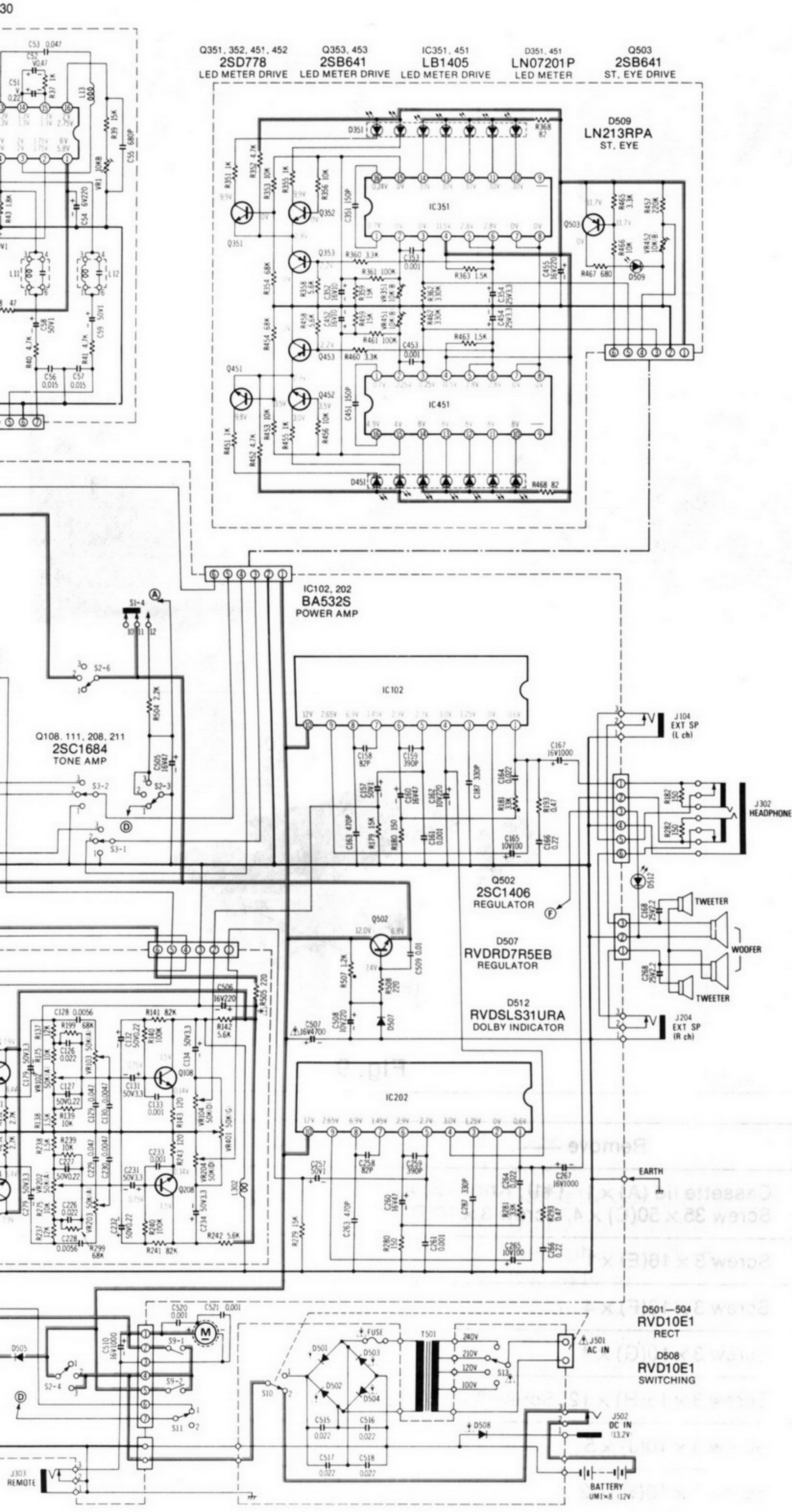
 **Panasonic**

Matsushita Electric Trading Co., Ltd.
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SCHEMATIC DIAGRAM MODEL RX-5500



EL RX-5500LS



NOTE:

1. S1-1 ~ S1-16 ... Record / Playback switch (shown in playback position).
2. S2-1 ~ S2-10 ... Function switch (shown in tape position).
1...Tape, 2...Radio, 3...Phono / DIN in
3. S3-1 ~ S3-2..... LED meter switch (shown in OFF position).
1...OFF, 2...Tuning • battery, 3...Level
4. S4-1 ~ S4-4..... Mode / beat proof switch (shown in stereo / I position).
1...Moho / III, 2...Stereo / II, 3...Stereo / I
5. S5-1 ~ S5-8..... Tape selector switch (shown in normal position).
1...Normal, 2...FeCr, 3...CrO₂
6. S6-1 ~ S6-6..... Recording mode switch (shown in manual position).
1...Manual, 2...Easy-matic
7. S7-1 ~ S7-10 ... Band select switch (shown in FM position).
1...FM, 2...LW, 3...MW, 4...SW
8. S8-1 ~ S8-3..... Dolby switch (shown in OUT position).
9. S9-1 ~ S9-2..... Motor switch (shown in OFF position).
10. S10 AC / DC IN select switch (shown in DC IN position).
11. S11 Muting switch.
1...Stop, 2...Play
12. S12-1 ~ S12-4... Input select switch (shown in DIN IN position).
1...DIN IN, 2...PHONO IN
13. S13 Voltage select switch.
14. VR1 Pilot signal adjustment VR.
15. VR101, 201 Recording level control.
16. VR102, 103
202, 203 Bass and treble control.
17. VR104, 204 Volume control.
18. VR105, 205 Playback frequency response (normal) adjustment VR.
19. VR106, 206 Playback gain adjustment VR.
20. VR107, 207 Overall gain adjustment VR.
21. VR108, 208 Playback frequency response (CrO₂) adjustment VR.
22. VR301 Erase current adjustment VR.
23. VR302, 303 Bias current adjustment VR.
24. VR351, 451 Meter level adjustment VR.
25. VR401 Balance control.
26. VR452 Battery check adjustment VR.
27. The mark (▼) shows test point. e.g.
▼ = Test point 1.
16. The mark (●) shows printed type resistors.
17. All voltage values shown in circuitry are under no signal condition with volume control at minimum position.
For measurement, use electronics voltmeter. The upper values should be measured during FM and the lower values during AM (Radio Circuit). The voltage indication of Q301 are measured during recording. (Audio circuit). The voltage indication of IC351, 451 and Q351, 352 Q353, 451, 452, 453, 503 are measured during playback. [S3 (Meter switch) to 2 (battery) position] (Meter circuit).
30. ▲ indicates that only parts specified by the manufacture be used for safety.