

Service Manual

Radio Cassette
RX-1900

FM-AM Portable
Cassette Recorder



■ SPECIFICATIONS

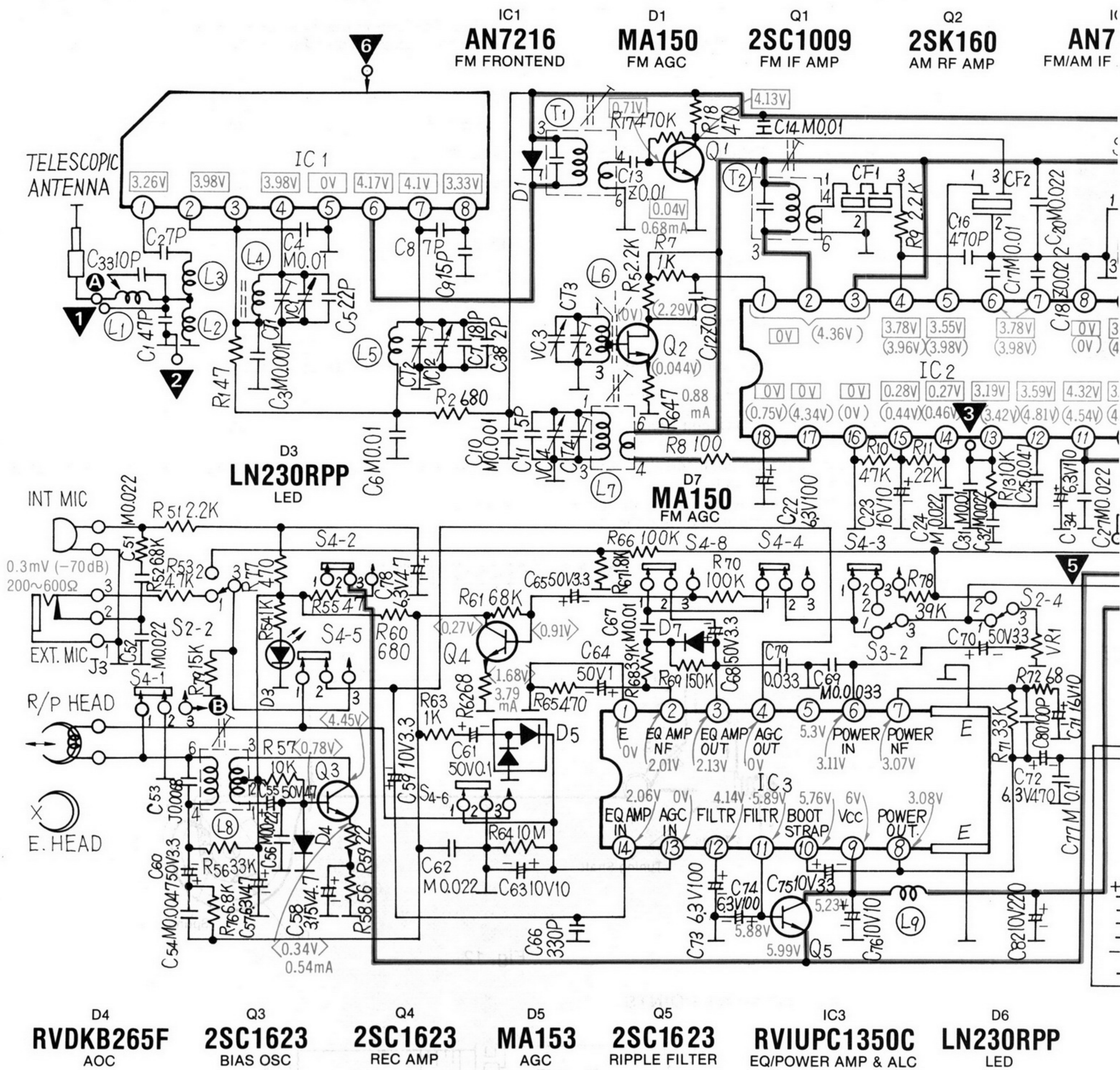
Power Requirement:	AC, with AC adaptor 6V, 400mA (not included) Battery, 6V (four "AA" size Penlight batteries) (National UM-3 or equivalent) Car Battery; with optional car adaptor RP-917	Output:	EXT SP; 8Ω
Power Output:	550mW...RMS (max)	Others:	REMOTE for start and stop at hand
Frequency Response:	200 ~ 7,000 Hz	Speaker:	5cm (2") PM Dynamic speaker (8Ω)
Recording System:	AC bias, Magnet erase	Radio Frequency Range:	FM; 87.5 ~ 108 MHz AM; 520 ~ 1610 kHz
Tape Speed:	4.8cm/s, (1 ⁷ / ₈ ips)	Intermediate Frequency:	FM; 10.7 MHz AM; 455 kHz
Program Time:	1 hour with C-60 cassette tape	Sensitivity:	FM; 2μV/50mW output AM; 100μV/m/50mW output
Track System:	2-track 1-channel monaural recording and playback	Dimensions:	9.4cm(W) x 15.6cm(H) x 3.8cm(D) [3 ³ / ₄ "(W) x 6 ³ / ₁₆ "(H) x 1 ¹ / ₂ "(D)]
Input:	MIC; sensitivity 0.3mV/applicable microphone impedance 200 ~ 600Ω DC IN 6V	Weight:	550g (1 lb 3 oz) without batteries

Specifications are subject to change without notice.

 **Panasonic**

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SCHEMATIC DIAGRAM MODEL RX-1



Notes:

1. S1Band switch in "AM" position.
(1...FM, 2...AM)
2. S2-1~S2-4Function switch in "Tape" position.
(1...Tape, 2...Radio)
3. S3-1, S3-2Moniter switch in "MIC" position.
(1...MIC, 2...Radio)
4. S4-1~S4-8Record/playback switch in
"Play" position.
(1...Play, 3...Rec)
5. S5Motor ON/OFF switch in "OFF" position.
6. VR1Volume control.
7. The mark (▼) shows test point. e.g. ▼ = Test point 1.

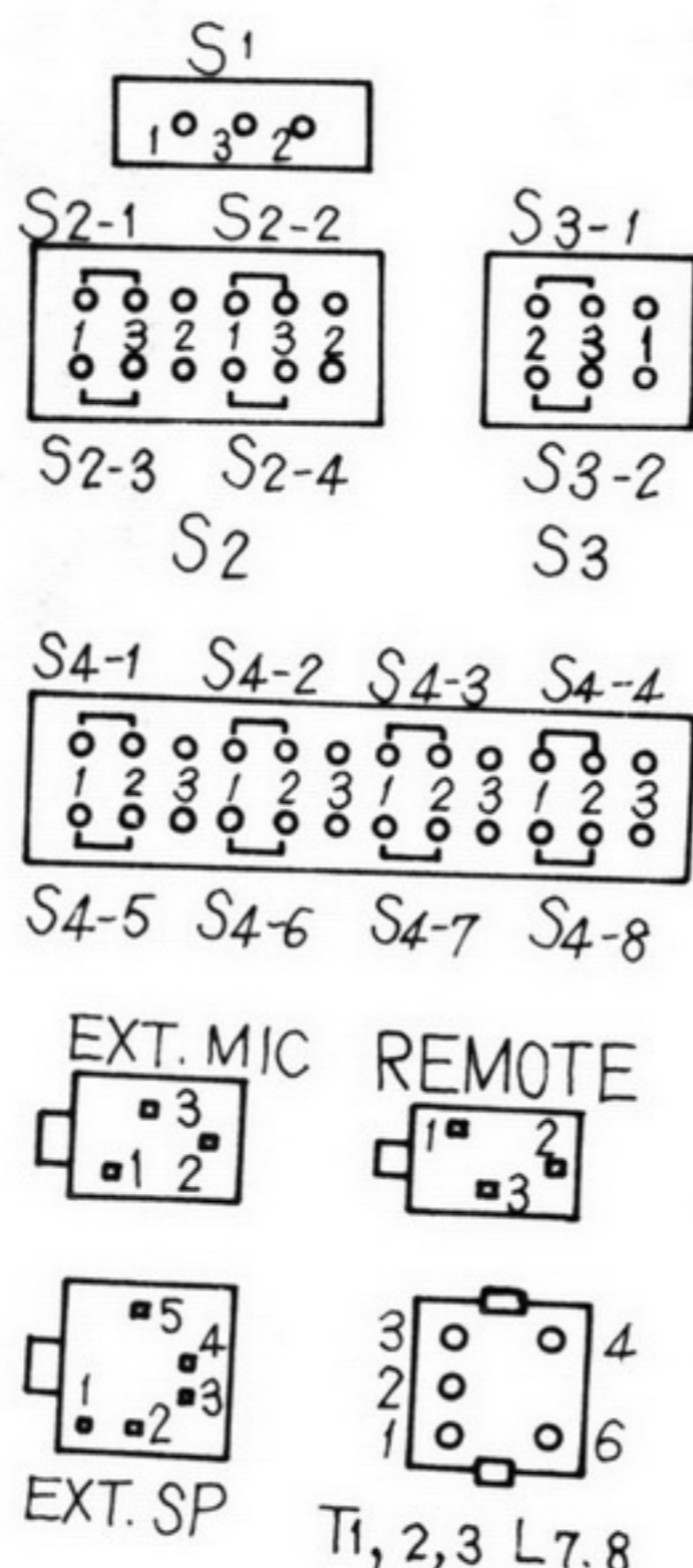
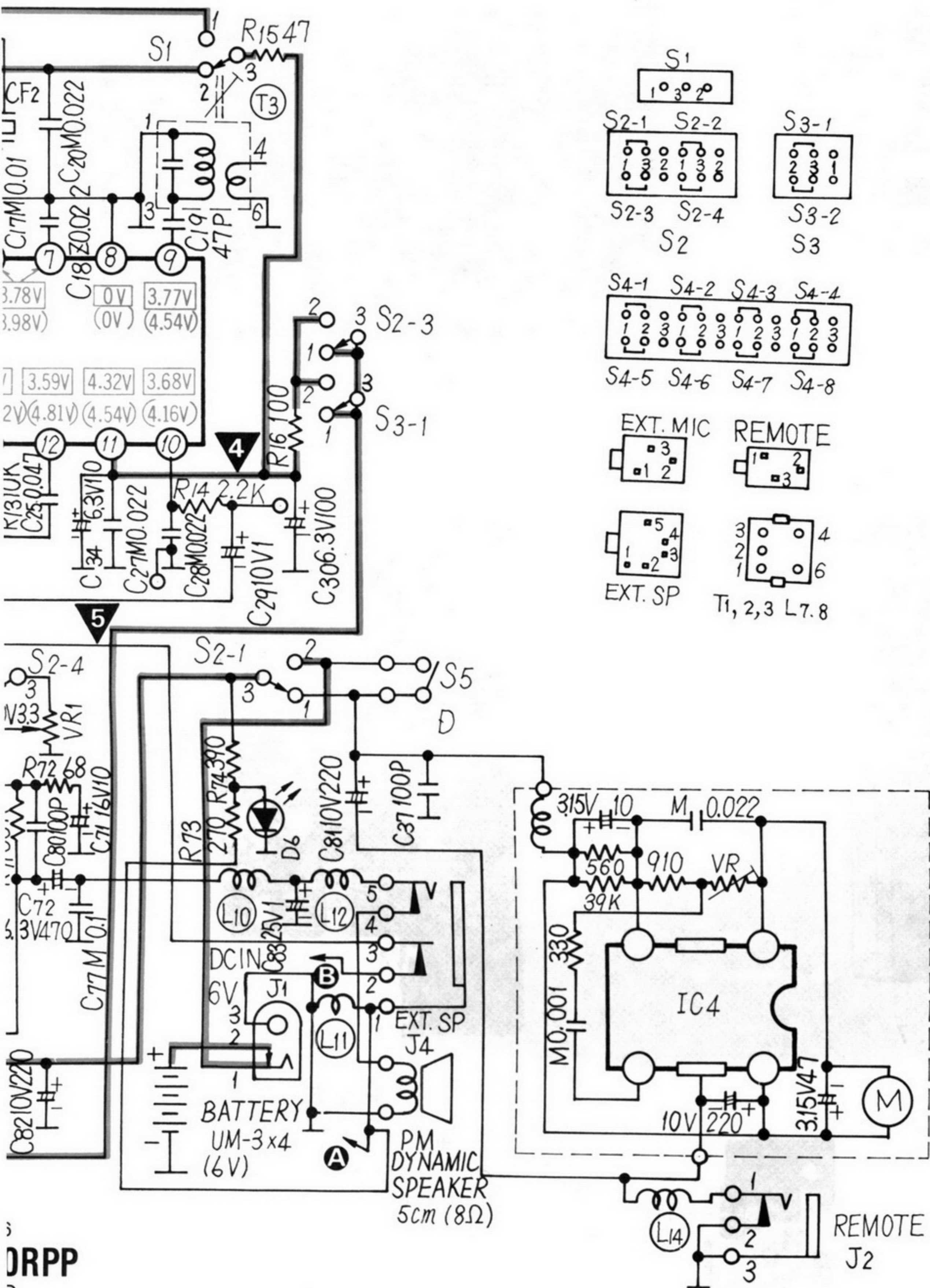
8. DC voltage measurements are taken with electronics
voltmeter from negative terminal of battery.
□...FM position, ()...AM position,
< >...Rec position
9. Battery current: No signal40mA
Maximum (Radio)140mA
Maximum (Tape)230mA
(Record mode and moniter switch to OFF position).

IC3 R



EL RX-1900

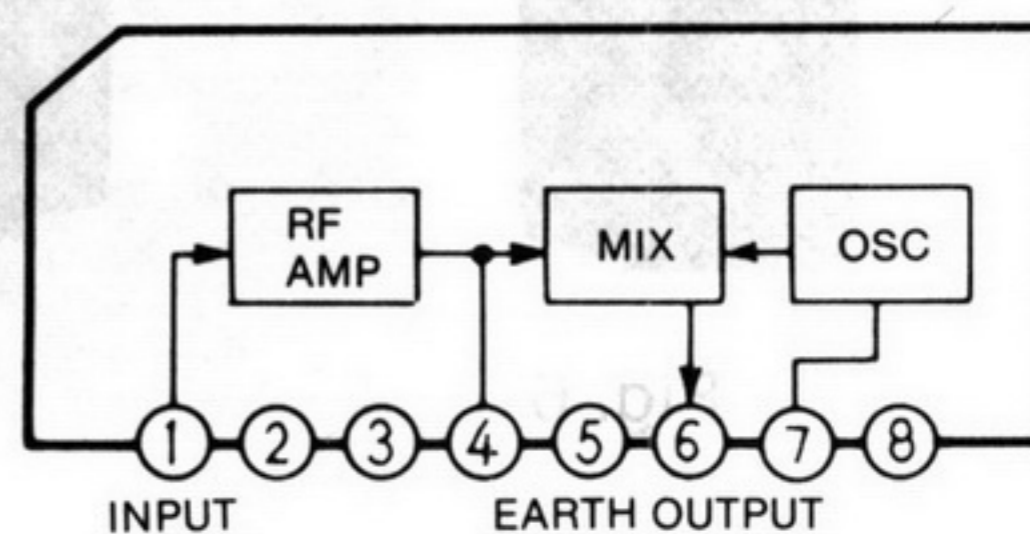
IC2
AN7220A
FM/AM IF AMP & DET



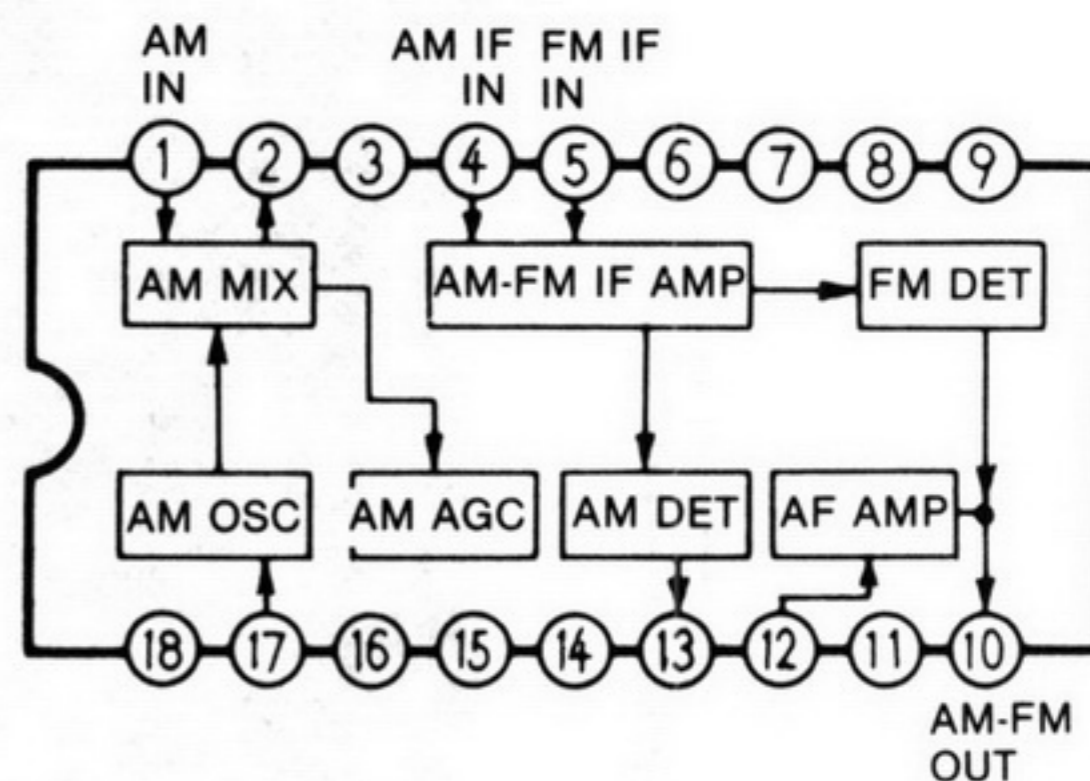
	Cathode Anode D1, 7
	Anode Cathode D3, 6
	Anode Cathode D4
	Anode & Cathode Anode Cathode D5

IC BLOCK DIAGRAM

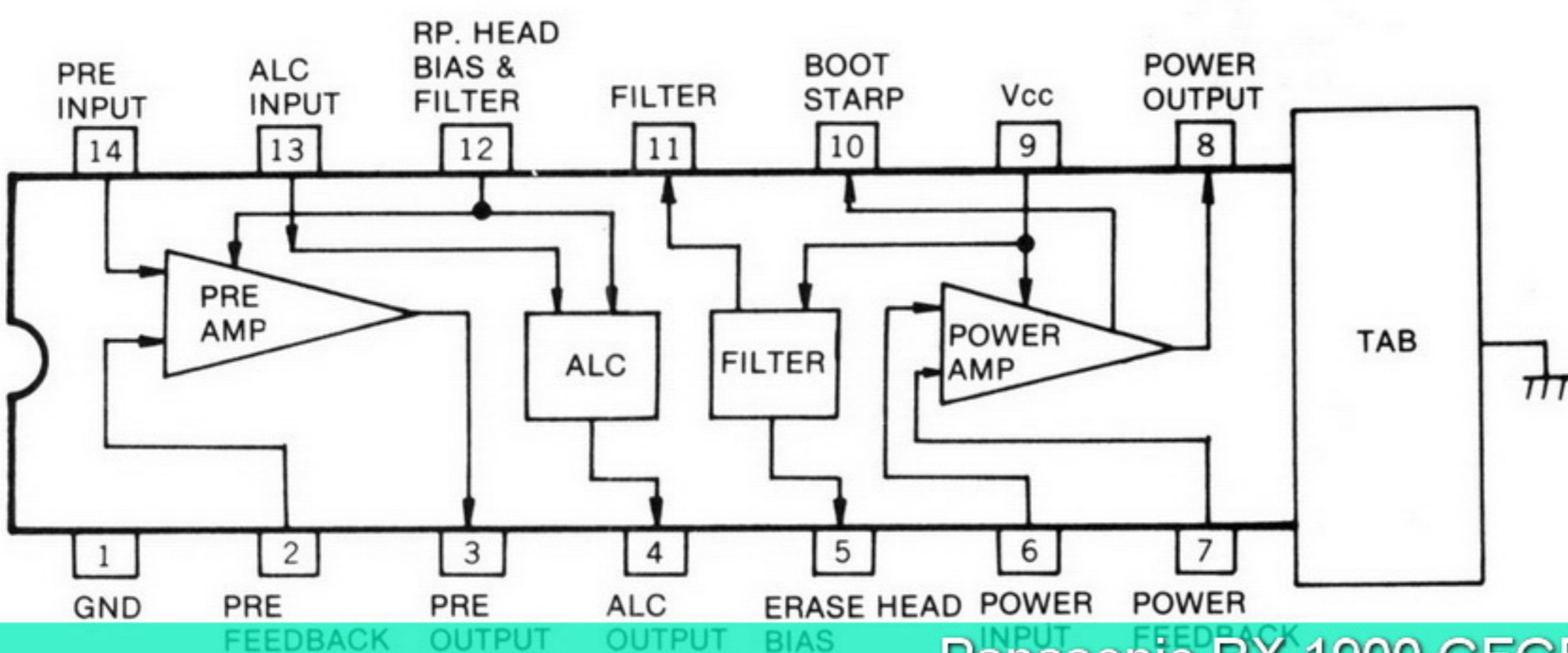
IC1 AN7216



IC2 AN7220A



IC3 RVIUPC1350C



DRPP