

Service Manual

Radio Cassette

RQ-V54

Stereo Radio Cassette Player

Color

(K)..... Black Type

Area

Suffix for Model No	Areas	Colour
[E]	Continental Europe.	(K)
[EG]	F.R. Germany/ Italy.	



■ SPECIFICATIONS

General:

Power Requirement: Battery; 3V (Two "AA" size, R6/LR6 batteries)

AC; with optional Panasonic AC adaptor RP-AC33

Power Output: 40mW (20mWx2)···RMS (max.)

Input: DC IN; 3V (⊖ ⊕)

Output: Headphones; 24 Ω, ϕ3.5

Dimensions: 87.8(W)x121(H)x33.8(D)mm

Weight: 203g without batteries

Radio Section:

Radio Frequency Range: FM 87.5~108MHz
AM 520~1610kHz

Intermediate Frequency: FM 10.7MHz
AM 459kHz

Sensitivity: FM 2.5μV/0.5mW output
(-3dB Limit, Sens)
AM; 120μV/m/0.5mW output

Tape Deck Section:

Frequency Response: 60~14,000Hz (Normal, CrO₂/Metal)

Tape Speed: 4.8cm/s

Program Time: 1 hour with C-60 cassette tape

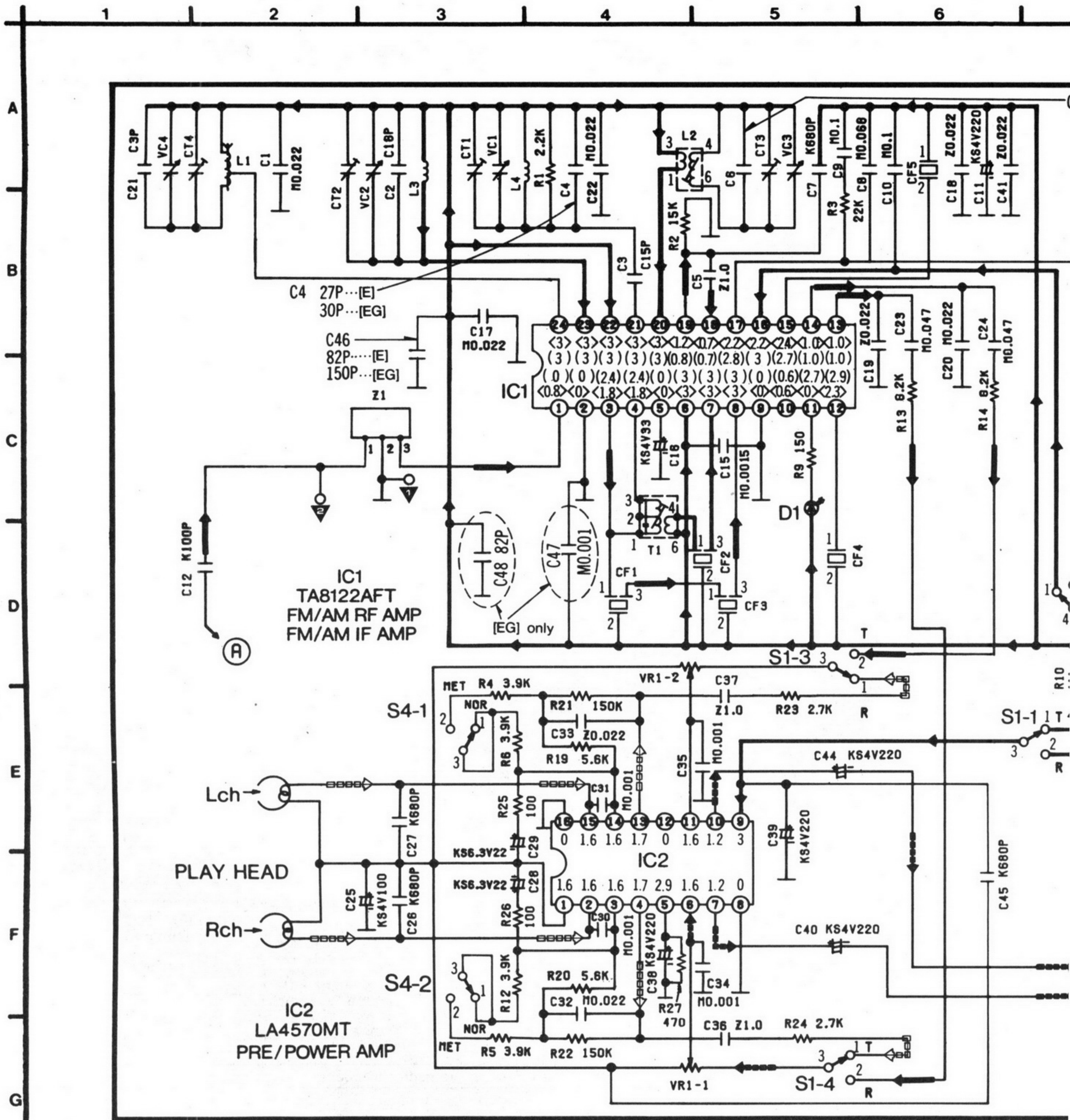
Track System: 4-track, 2-channel, stereo playback

Notes:

1. Weights and dimensions shown are approximate.
2. Design and specifications are subject to change without notice.

Panasonic

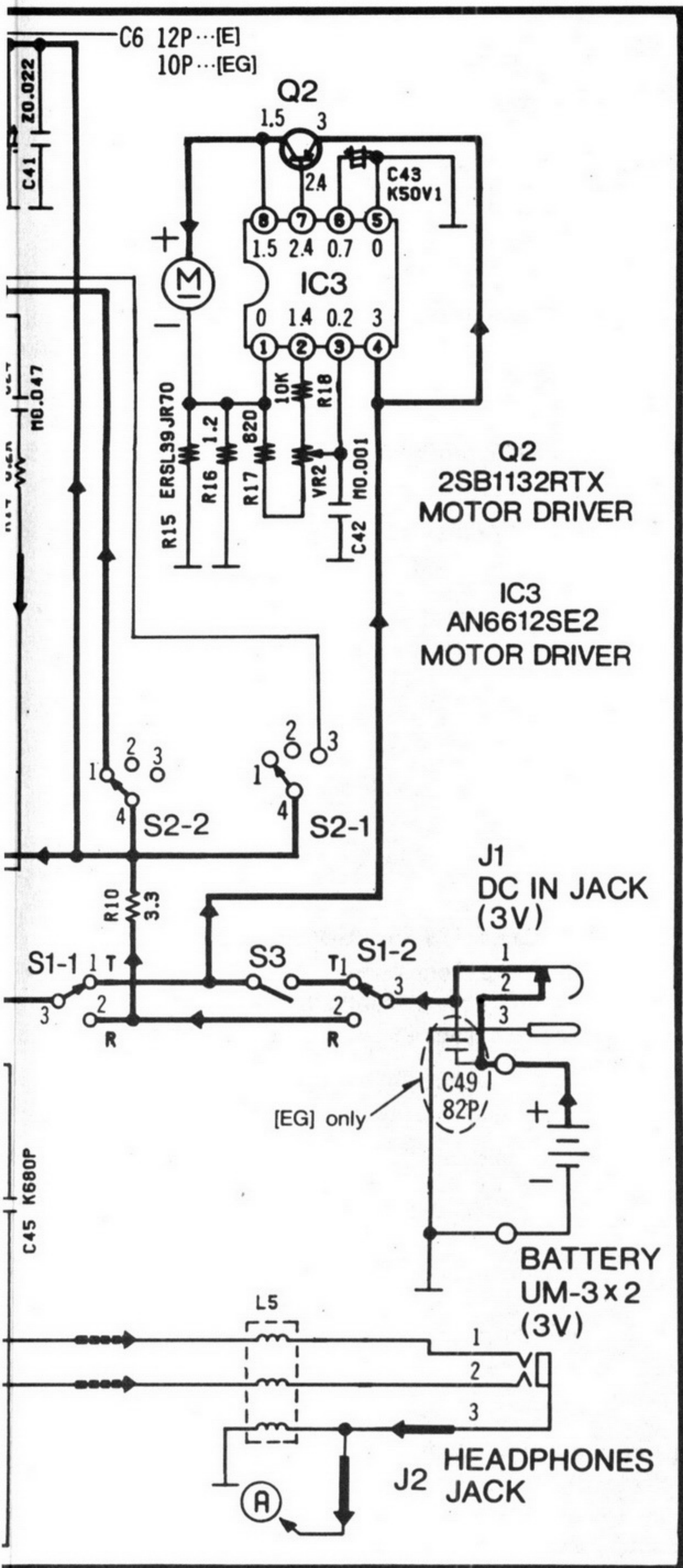
SCHEMATIC DIAGRAM



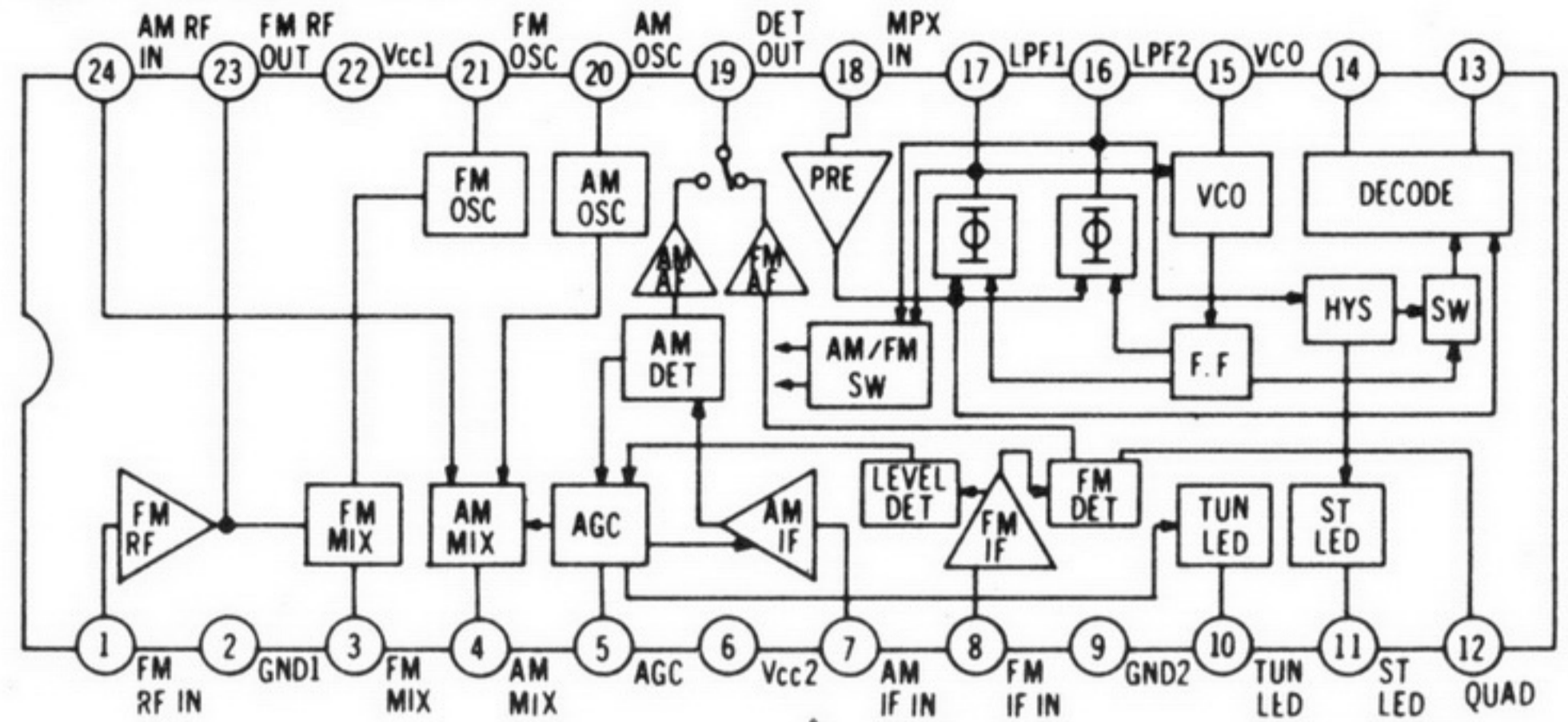
Notes:

1. S1-1~S1-4: Function switch in "Tape" position.
(1.....TAPE, 2...RADIO)
2. S2-1~S2-2: Band select switch in "AM" position.
(1...AM, 2...FM, 3...FM ST.)
3. S3: Motor switch in "OFF" position.
4. S4-1, S4-2: Tape Selector Switch in "Normal" position.
(1.... Normal, 2.... Metal)
5. VR1-1~1-2: Volume control VR.
6. VR2: Tape speed adjustment VR.

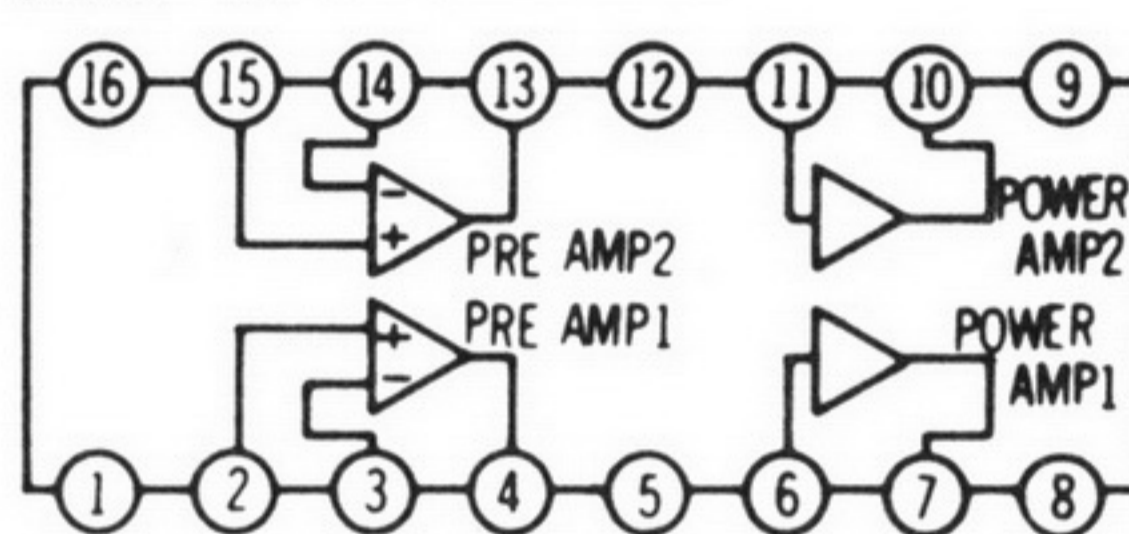
7. DC voltage measurement are taken with electronics voltmeter from negative terminal of battery.
< >...FM position, ()...AM position.
No mark.....Playback position,
8. +B Voltage Line.
 Playback Signal.
 FM Signal.
 Playback and Radio Signal.



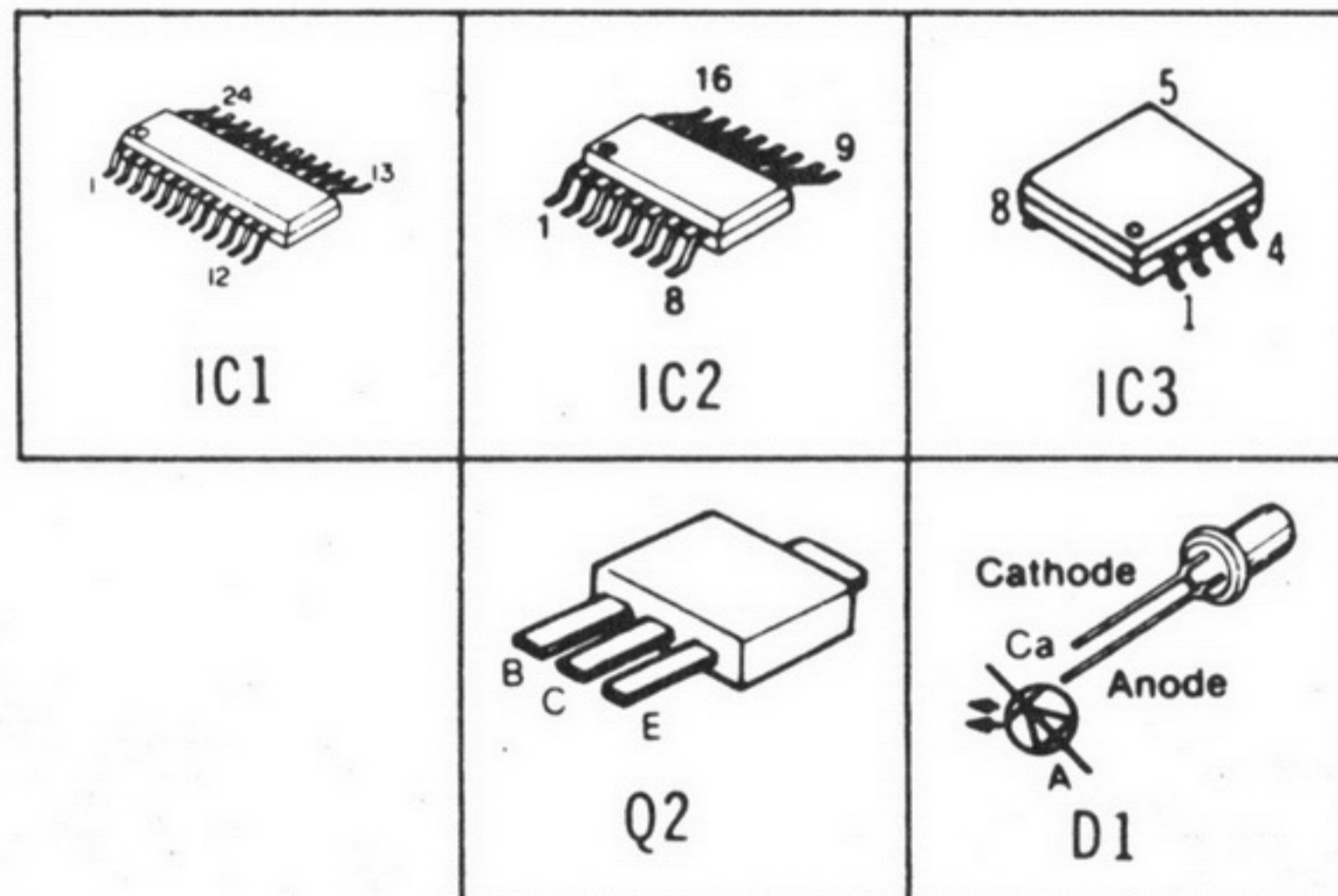
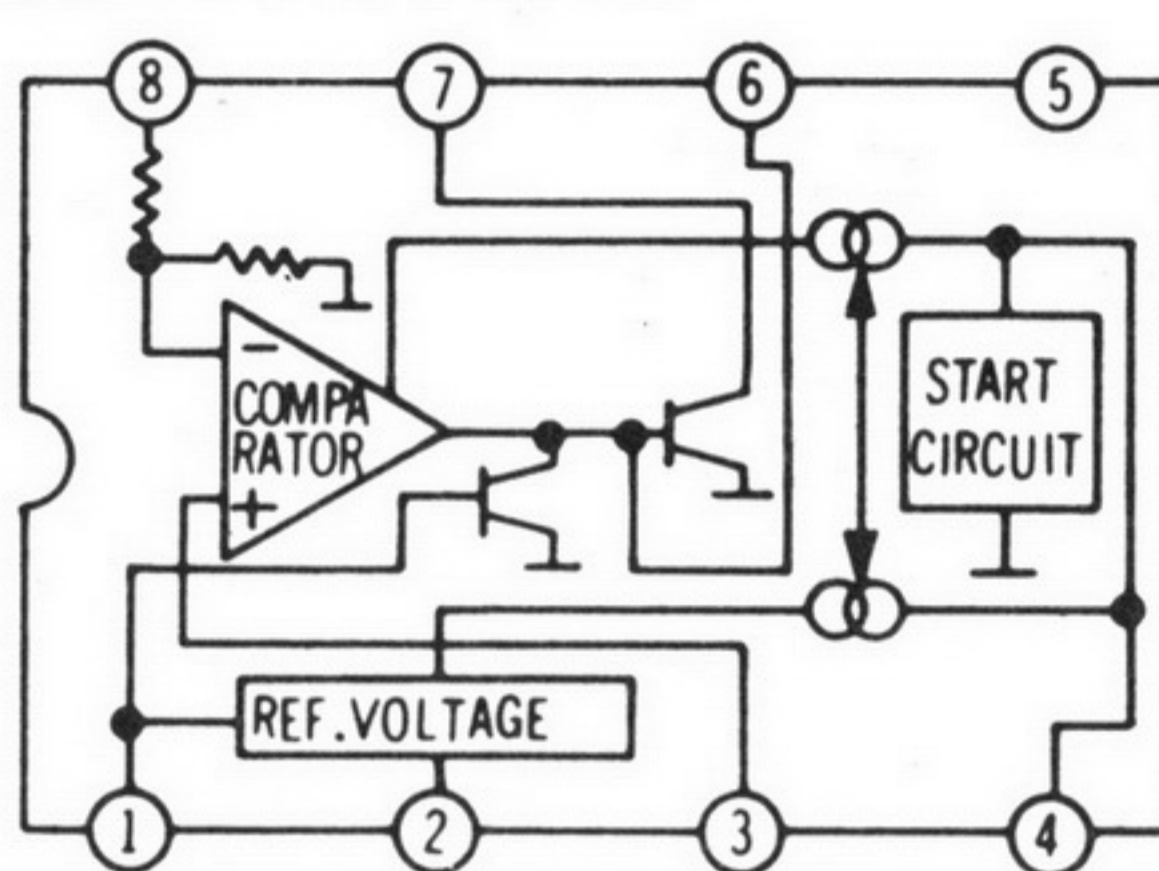
IC1 TA8122AFT



IC2 LA4570MT



IC3 AN6612SE2



- electronics
9. Battery current: Volume minimum output (Radio).....23mA
 Volume Maximum output (Radio)..... 43mA
 Volume minimum output (Tape).....115mA
 Volume Maximum output (Tape).....135mA
 (Radio, 74dB 30% Modulation)
 (Tape, 315 Hz 0dB tape playback)
10. The mark (▼) shows test point e.g. ▼=test point 1.