

Service Manual

Radio Cassette

RQ-V200

Stereo Radio Cassette Player

Colour

(K)..... Black Type

Area

Suffix for Model No.	Areas	Colour
[EG]	Europe.	(K)



■ SPECIFICATIONS

General:

Power Requirement: Battery; 3V
 [Two "AA" size, (R6/LR6) batteries]
 AC; with optional Panasonic AC adaptor
 RP-AC33

Power Output: 30mW (15mW × 2)···RMS (max.)

Input: DC IN; 3V (⊖ ⊕)

Output: Headphones; 16 Ω, ϕ3.5

Dimensions: 114.2(W) × 84.5(H) × 36.5(D)mm

Weight: 190g without batteries

Radio Section:

Radio Frequency Range: FM; 87.5~108MHz
 522~1611kHz

Intermediate Frequency: FM; 10.7MHz
 AM; 459kHz

Sensitivity: FM; 3.16μV/0.5mW output
 (−3dB Limit, Sens)
 AM; 251μV/m/0.5mW output

Tape Deck Section:

Frequency Response: 40~14,000Hz (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

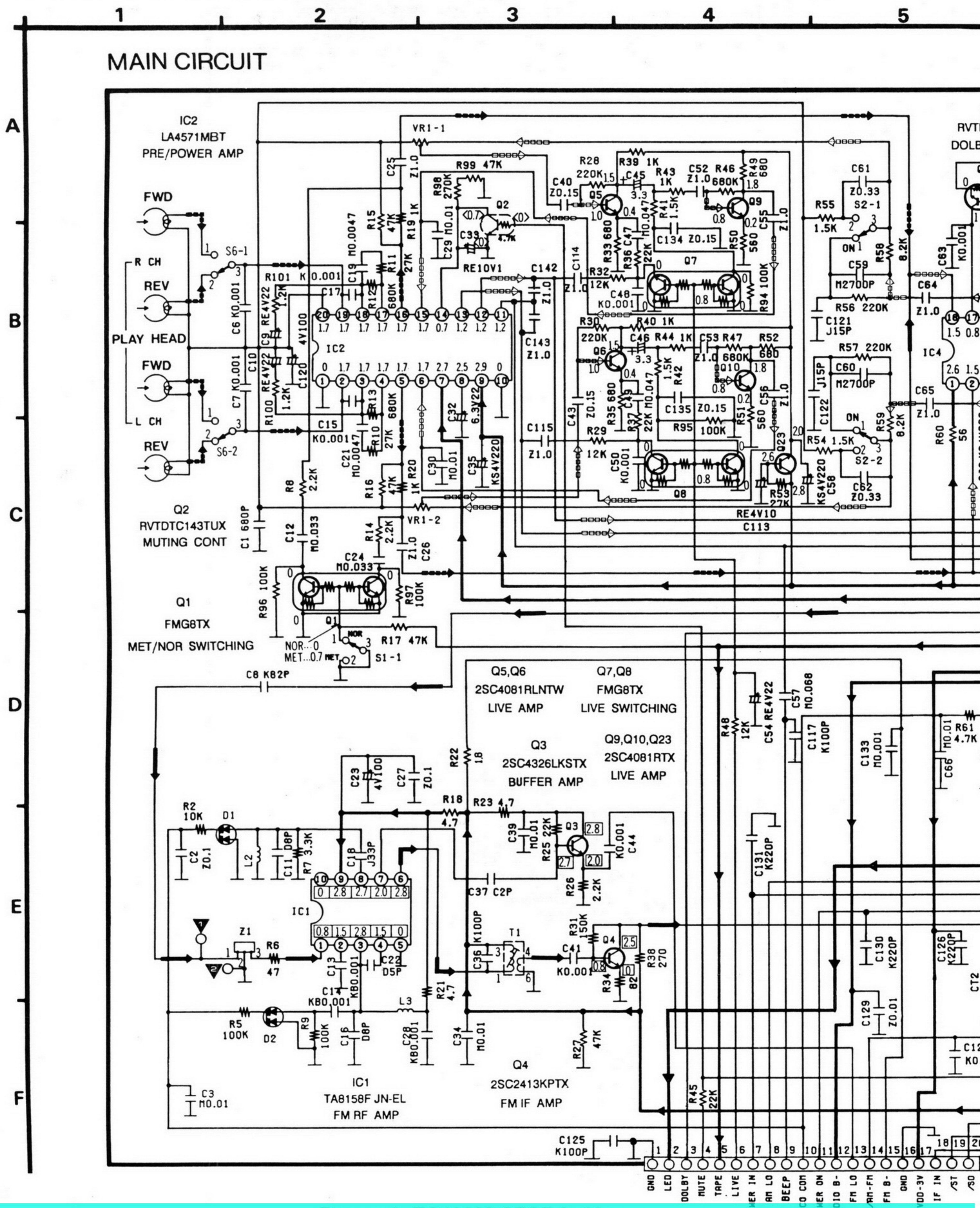
Notes:

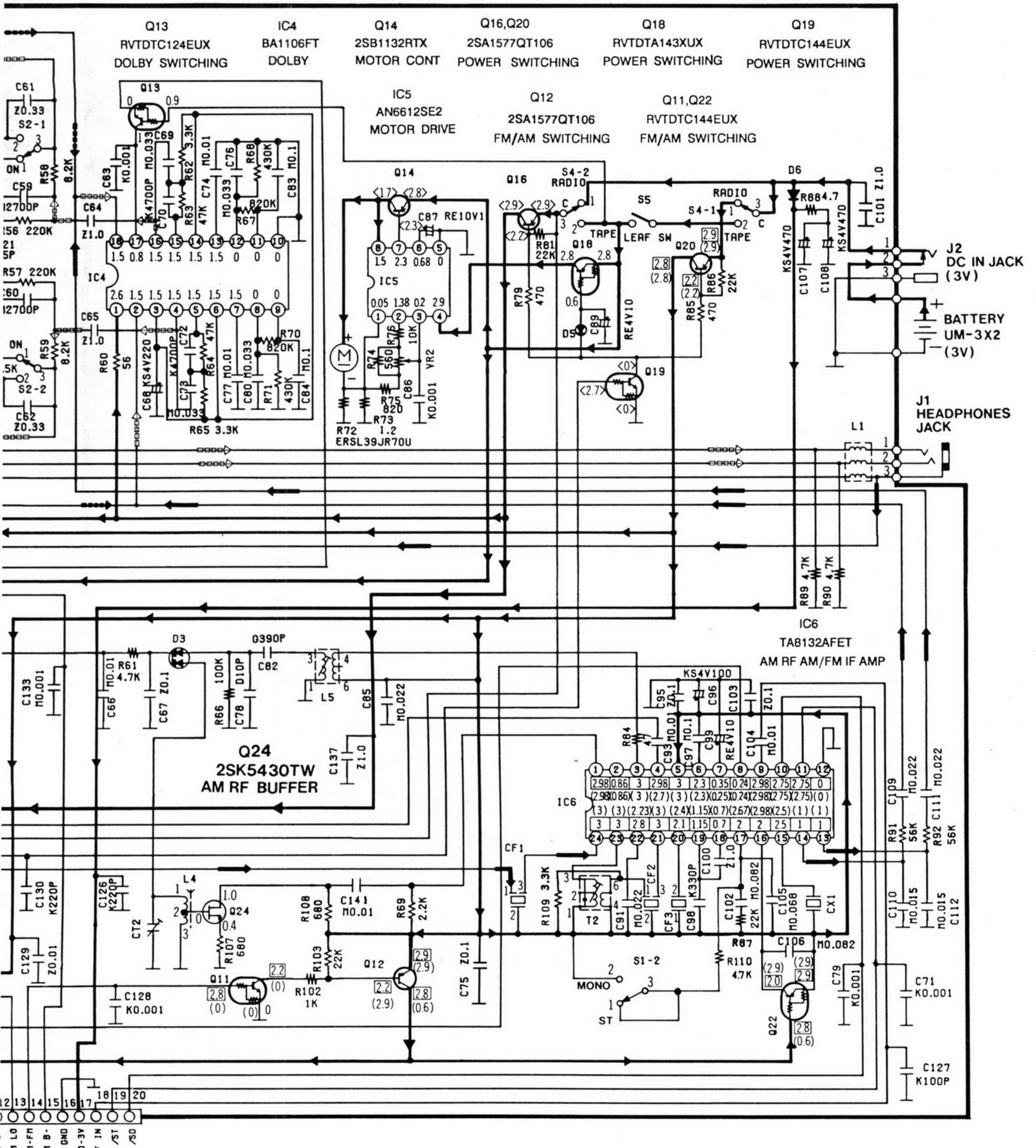
- Weights and dimensions shown are approximate.
- Design and specifications are subject to change without notice.

Panasonic

SCHEMATIC DIAGRAM

MAIN CIRCUIT

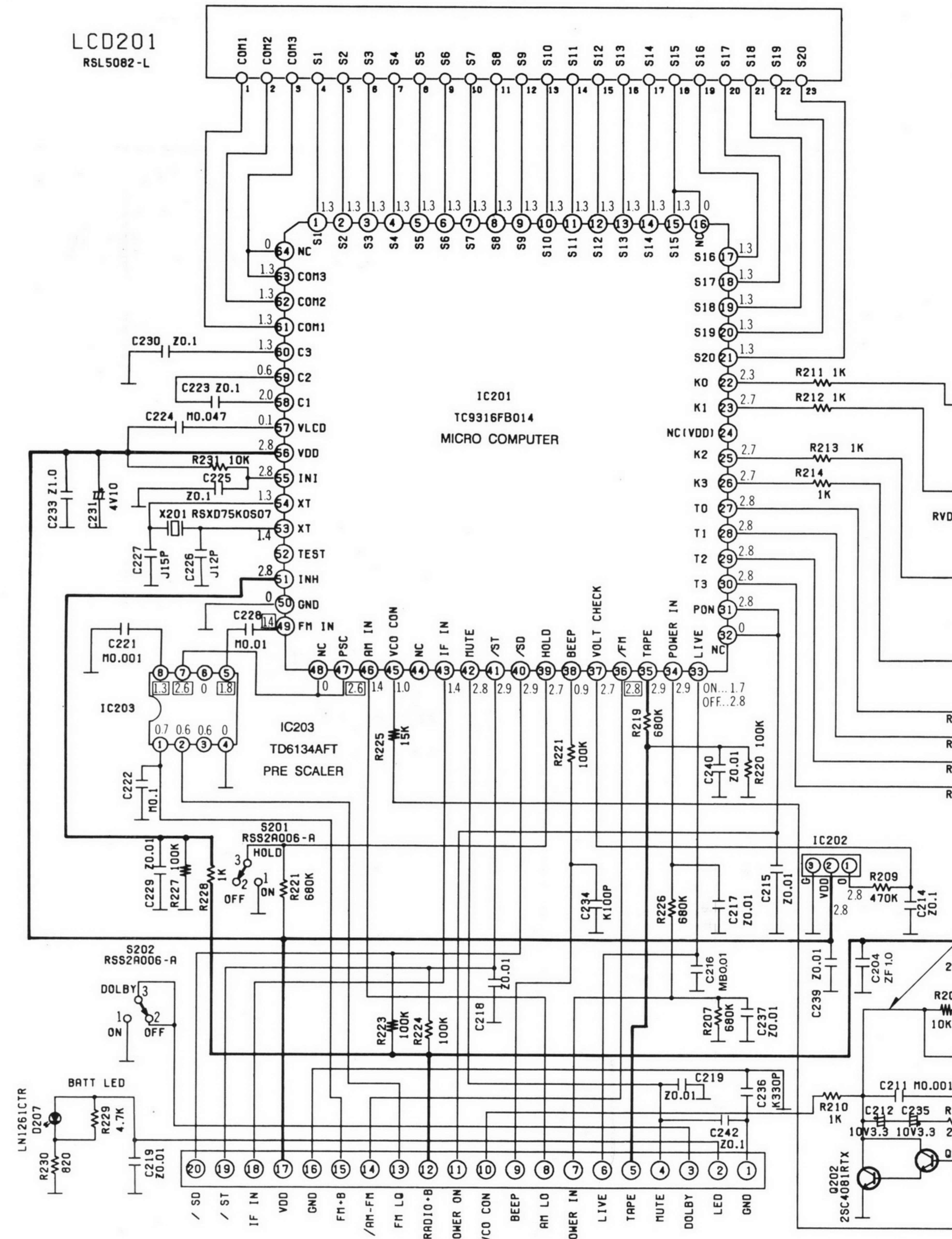




SCHEMATIC DIAGRAM

LCD CIRCUIT

A
B
C
D
E
F

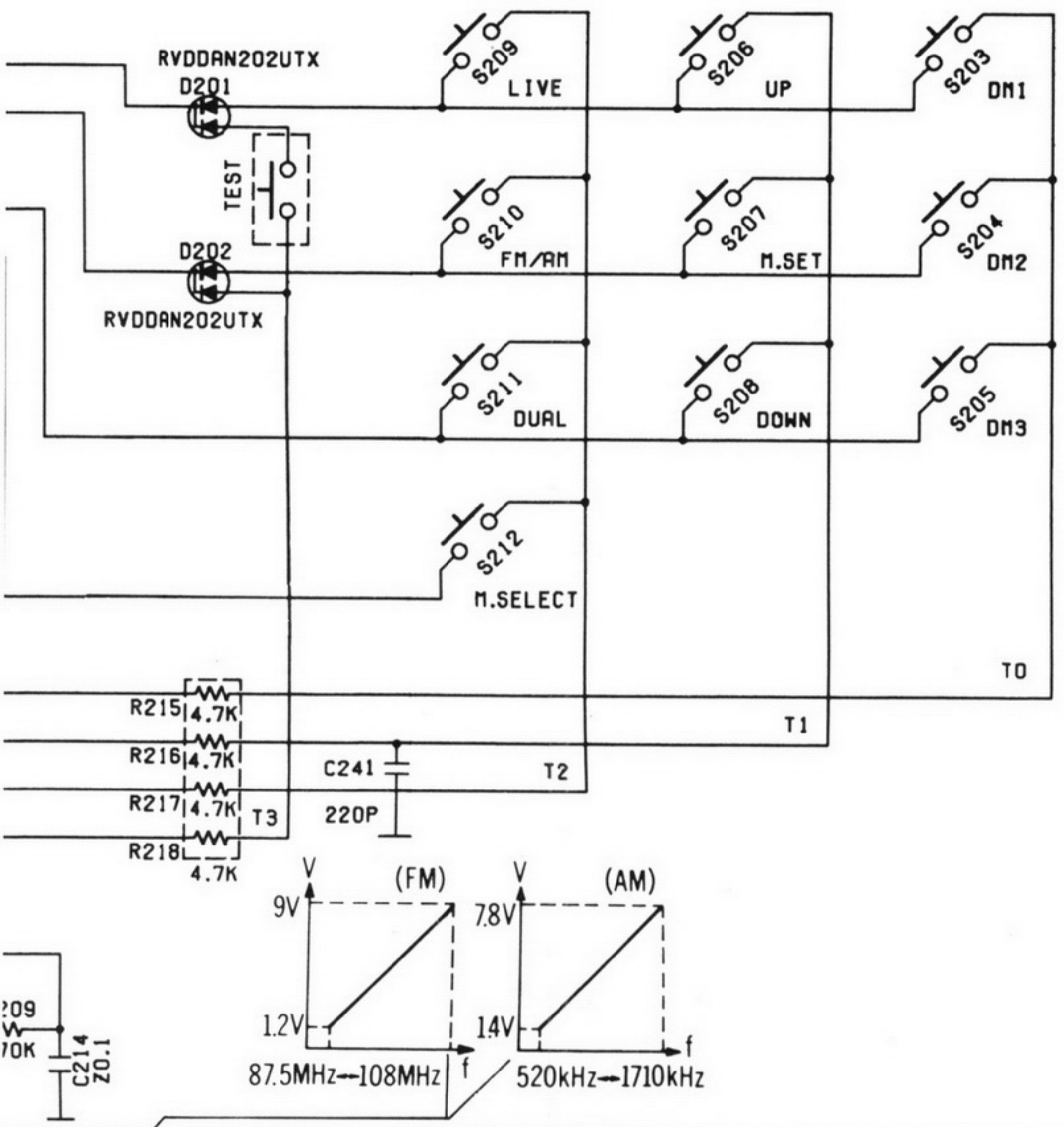


IC202
S80719SLAGT1
RESET

Q201,Q202
2SC4081RTX
POWER SUPPLY CONT

Q203
2SK303V3TB
F.E.T STABILIZER

Q204,Q205
2SC4081RTX
DC-DC CONV



Notes:

- S1-1: Tape selector switch in "NOR" position, (1...NOR, 2...CrO₂/MET)
- S1-2: FM mode switch in "ST" position. (1...ST, 2...MONO)
- S2-1, 2-2: XBS switch in "ON" position. (1...ON, 2...OFF)
- S4-1, 4-2: Selector switch in "RADIO" position. (1...RADIO, 2...TAPE)
- S5: Motor switch in "OFF" position.
- S6-1, 6-2: FWD/REV select switch in "REV" position. (1...FWD, 2...REV)
- S201: Hold switch in "OFF" position
- S202: Dolby NR switch in "OFF" position.
- S203~205: Direct tuning (•1, •2, •3) switchs. [S203: •1, S204: •2, S205: •3]
- S206: Tuning up/Time adj ⊕ switch in "OFF" position.
- S207: Memory/time set switch in "OFF" position.
- S208: Tuning down/Time adj ⊖ switch in "OFF" position.
- S209: Live switch in "OFF" position.
- S210: Band/Mode select (• FM/AM/-MODE) switch in "OFF" position.
- S211: Dual clock switch in "OFF" position.
- S212: Memory select/Memory scan switch in "OFF" position.
- VR1-1: Volume control VR (Rch)
- VR1-2: Volume control VR (Lch)
- VR2: Tape speed adjustment.
- The mark (▼) shows test point e.g. ▼ = test point 1.
- DC voltage measurement are taken with electronics voltmeter from negative terminal of battery.
- ...FM position, () ...AM position.
- No mark Playback position
- Battery current: Volume minimum output (Radio) 60mA
Volume minimum output (Tape) 160mA
Volume Maximum output (Radio) 90mA
Volume Maximum output (Tape) 200mA
(Radio, 74dB 30% Modulation.)
(Tape, 315Hz 0dB tape playback)
- ➔ +B Voltage Line.
- ➔ Playback Signal.
- ➔ FM Signal.
- ◻◻◻◻ Playback and Radio Signal.
- This schematic diagram may be modified at any time with the development of new technology.

