

Service Manual

FM-LM-MW-SW Stereo
Radio Cassette Recorder

Radio Cassette
RX-FW17L

(Black) (Silver)
(Red) (White)



This is the Service Manual
for the following areas.

Z ... For all European
areas except **E** **G**.

E ... For United Kingdom.

G ... For F.R. Germany.

RX-CW30 MECHANISM SERIES

■ SPECIFICATIONS

General:

Power Requirement: AC; [Z][G].....220V, 50Hz
[E].....240V, 50Hz
Battery; 9V (Six "D" Size Flashlight
Batteries)
(Panasonic UM-1 or equivalent)

Power Consumption: 14W (AC only)
Power Output: 7W (3.5W×2)...MPO
7W (3.5W×2)...RMS (max.)
Speaker: 10cm PM Dynamic Speaker (3Ω)
Output: Headphones; 32Ω, ϕ3.5
Dimensions: 502mm(W)×143mm(H)×130mm(D)
Weight: 2.5kg without batteries

Radio Section:

Radio Frequency Range: FM; 87.5~108MHz
LW; 150~285kHz (2000~1060m)
MW; 520~1610kHz (577~186m)
SW; 5.9~18MHz (50.8~16.7m)

Intermediate Frequency: FM; 10.7MHz
AM (LW/MW/SW); 455kHz
(470kHz...[E] only)

Sensitivity: FM; 3μV/50mW output
(-3dB Limit Sens)
LW; 120μV/m/50mW output
MW; 150μV/m/50mW output
SW; 6μV/50mW output

Tape Deck Section:

TAPE [1]
Frequency Response: 70~13,000Hz (with normal tape)
Tape Speed: 4.8cm/s
Track System: 4-track 2 channel stereo playback

Tape Deck Section:

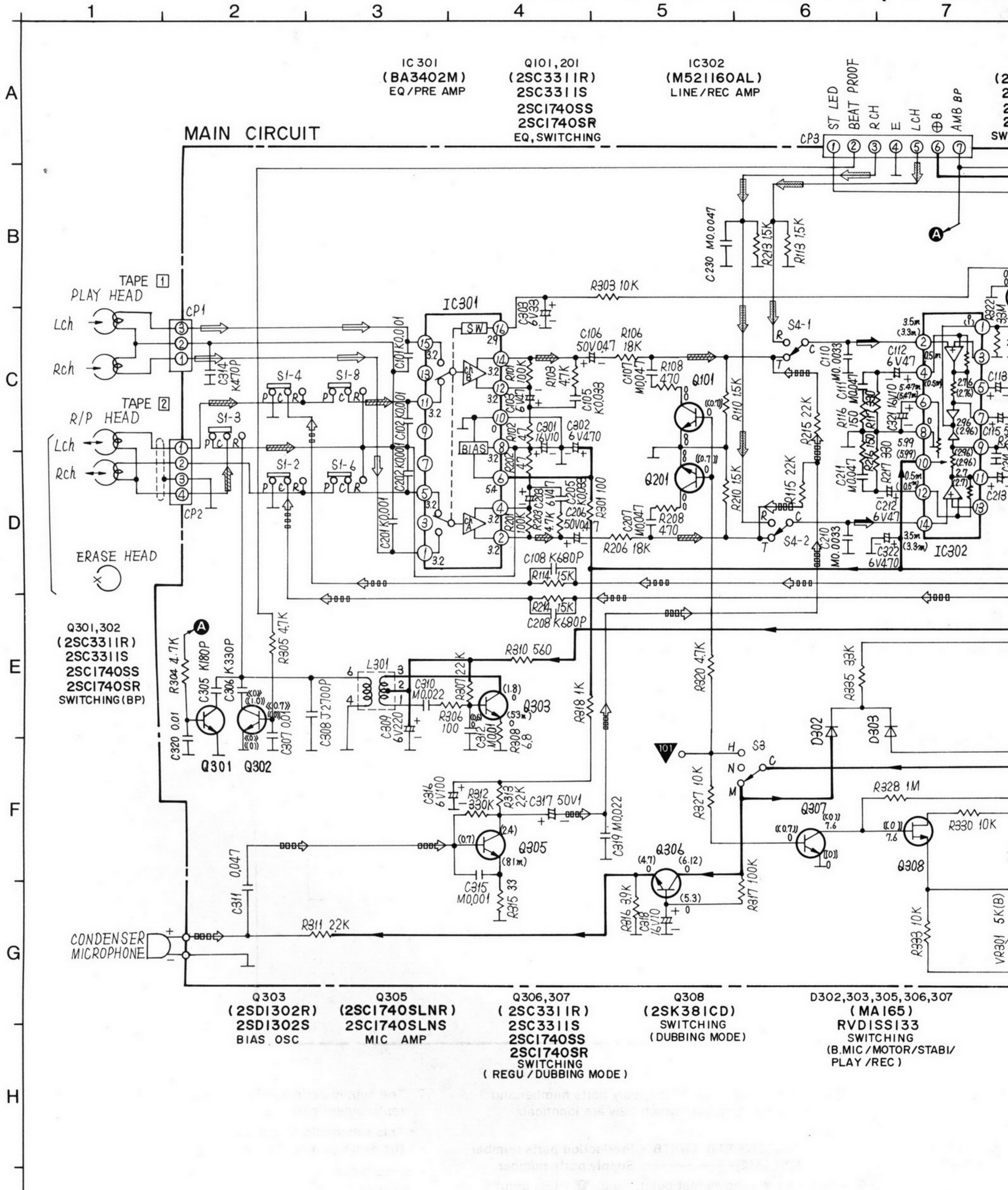
TAPE [2]
Frequency Response: 70~13,000Hz (with normal tape)
Recording System: AC bias, Magnet erase
Tape Speed: 4.8cm/s
Track System: 4-track 2 channel stereo recording
and playback

Design and specifications are subject to change without notice.

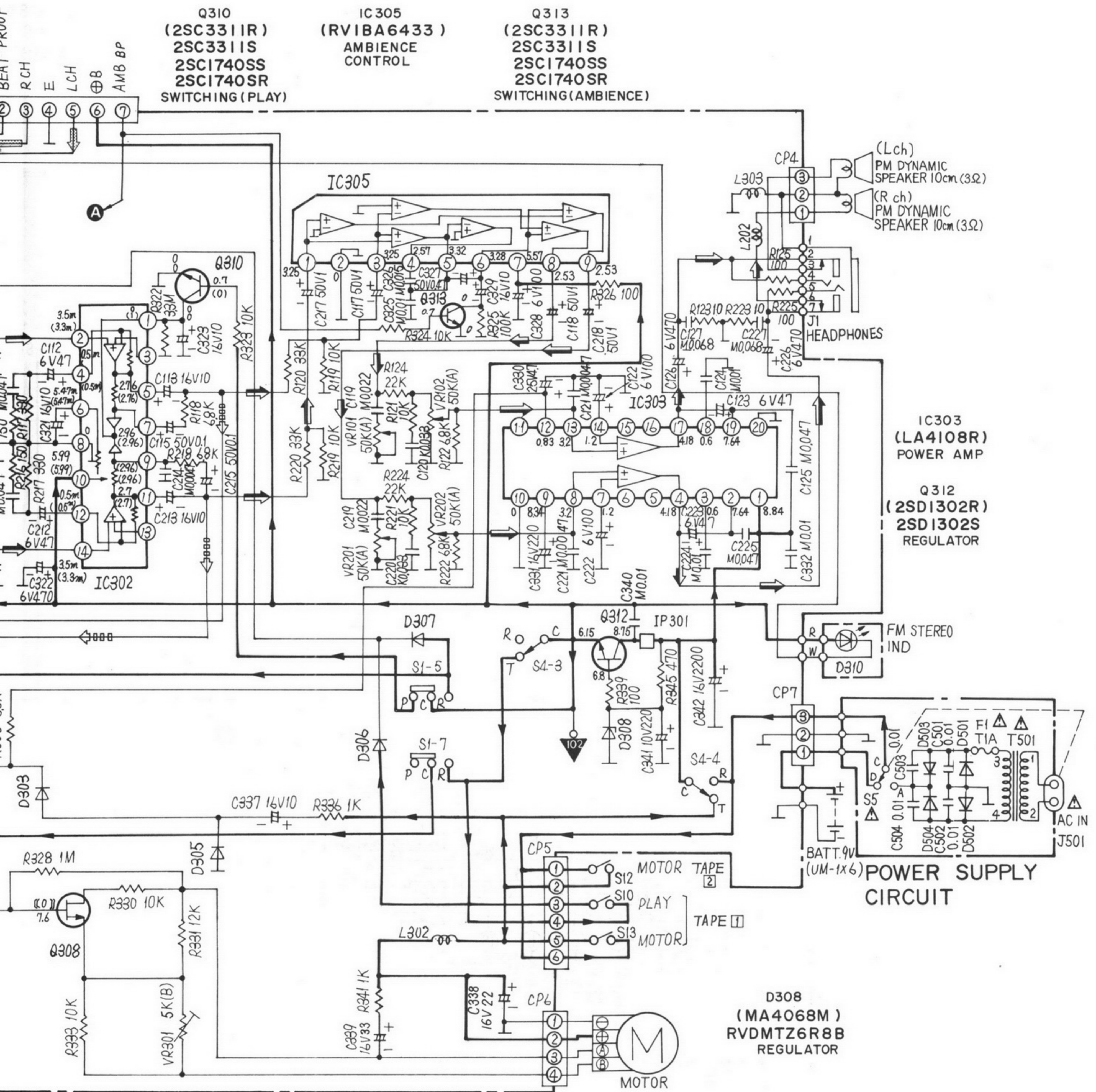
Panasonic

Matsushita Electric Trading Co., Ltd.
P.O. Box 288, Central Osaka Japan

SCHEMATIC DIAGRAM (for Main



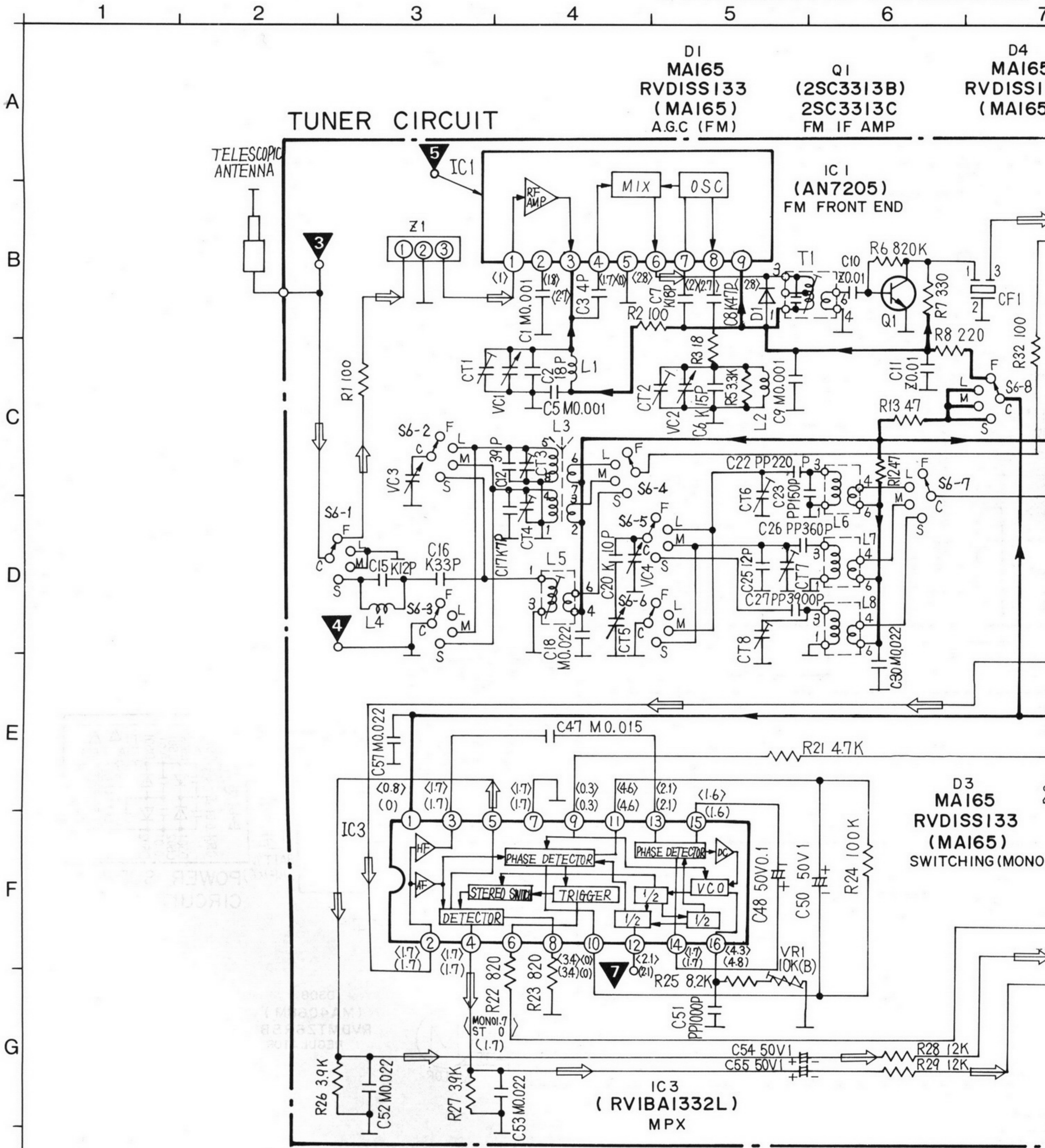
M (for Main Section)



03, 305, 306, 307
 MA165)
 DISS133
 SWITCHING
 C/MOTOR/STABI/
 Y/REC)

- Playback Signal (Tape 1)
- Playback Signal (Tape 2)
- Recording Signal
- Main (Tape/Radio) signal
- Radio signal
- +B Voltage Line

SCHEMATIC DIAGRAM

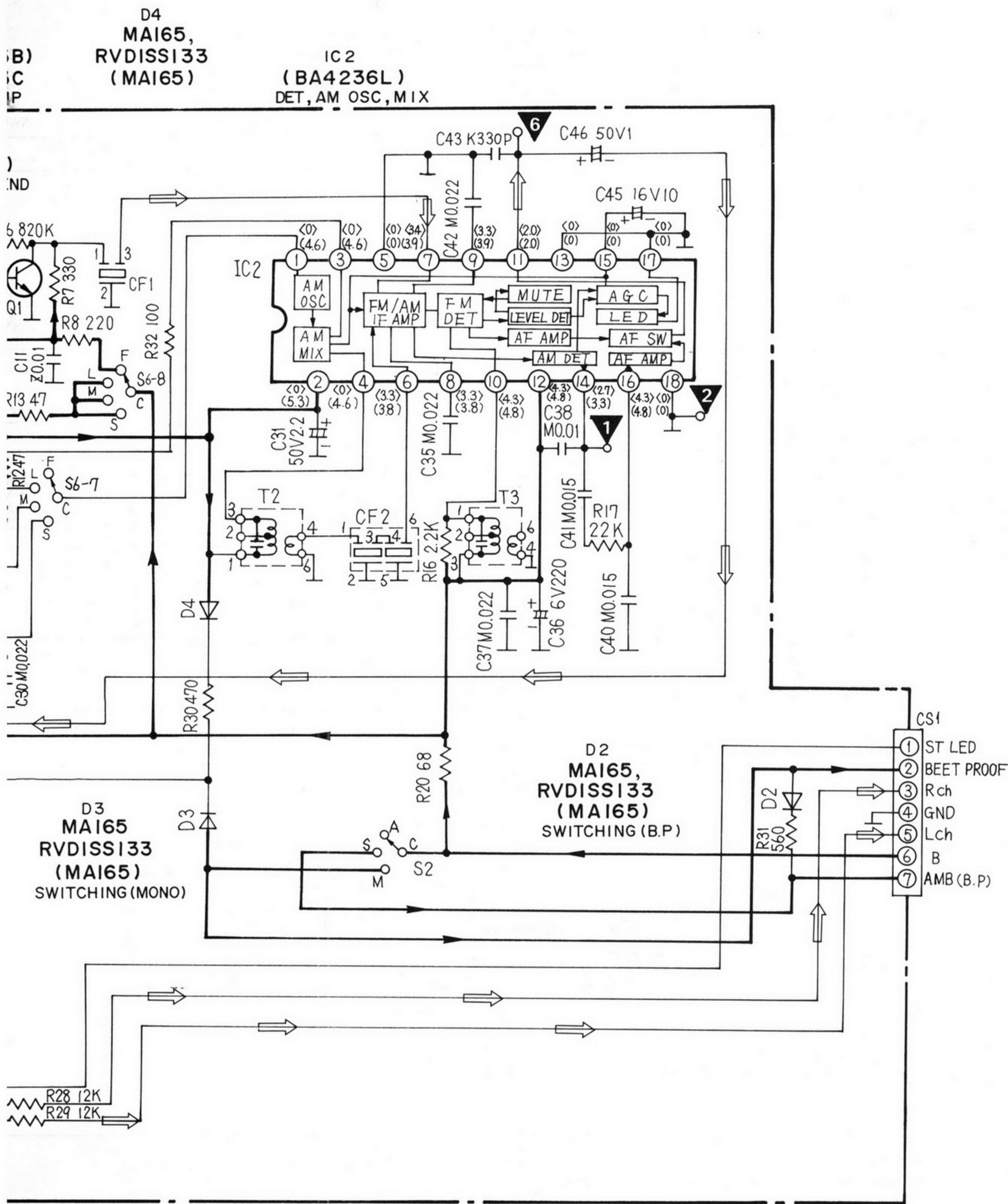


Notes:

- 1. S2: Mode/B.P switch in "AMBIENCE/II" position. (A...AMBIENCE/II, S...STEREO/II, M...MONO/I)
- 2. S6-1~S6-8: Band Select switch in "FM" position. (F...FM, L...LW, M...MW, S...SW)
- 3. VR1: FM VCO adjustment VR.
- 4. DC voltage measurements are taken with electronics voltmeter from negative terminal of battery. < >...FM position, ()...AM position
- 5. Described in schematic diagram are two types of numbers; the supply parts number and production parts number for transistors and diodes.

DIAGRAM (for Tuner Section)

6 | 7 | 8 | 9 | 10 | 11 | 12 | 13



electronics

codes of numbers;
parts number for

One type number is used for supply parts number and production parts number which they are identical.

e.g. Q1
2SC2412NRTB, LNSTB— Production parts number
[2SC2412]— Supply parts number

6. The mark (▼) shows test point. e.g. ▼ = test point 1.

7. The supply parts number is described alone in the replacement parts list.

• This schematic diagram may be modified at any time with the development of new technology.

→ FM Signal
→ +B Voltage Line