

# Service Manual

Radio Cassette  
**RX-C45LS**

Portable Component System with 4-Band Radio



## ■ SPECIFICATIONS

### General:

Power Requirement: AC; 110~115/115~127/200~220/  
230~250 V, 50/60 Hz  
Battery; 12 V (eight "D" Size Flashlight  
Batteries)  
(National UM-1 or equivalent)  
Car battery; with optional car  
adaptor RP-952

Power Consumption: 36 W (AC only)  
Power Output: 15 W (7.5 W×2) . . . RMS (max.)  
20 W (10 W×2) . . . MPO

Speaker:  
Woofer; 10 cm (4") PM Dynamic  
Speaker (3Ω)  
Tweeter; 3 cm (1 1/4") Ceramic Speaker  
(1.3 kΩ)

Input:  
MIC; sensitivity 0.26 mV/applicable  
microphone impedance 200~600Ω  
Phono; sensitivity 2.5 mV/47 kΩ over  
DC IN; 13.2 V

Output:  
EXT SP; 3Ω~8Ω  
Headphones; 8Ω

REC/PB Connection: 5P DIN type IN; 0.3 mV/3.3 kΩ over  
OUT; 360 mV/4.7 kΩ under

Dimensions:  
Total Size  
537 (W)×176 (H)×183 (D) mm  
(21 5/32×6 15/16×6 7/32)"  
Main Unit  
304 (W)×176 (H)×183 (D) mm  
(11 31/32×6 15/16×7 7/32)"  
Speaker Box  
118 (W)×176 (H)×148 (D) mm  
(4 21/32×6 15/16×5 13/16)"

Weight: 5.4 kg (11 lb. 14 oz.) without batteries

### Radio Section:

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

Intermediate Frequency: FM; 10.7 MHz  
AM (LW/MW/SW); 455 kHz

Sensitivity: FM; 1.5μV (-3 dB Limit sens)  
LW; 100μV/m/50 mW output  
MW; 50μV/m/50 mW output  
SW; 4μV/50 mW output

### Tape Deck Section:

Frequency Response: 60~12,000 Hz (with normal tape)  
60~15,000 Hz (with Metal tape)

Recording system: AC bias, AC erase

Tape Speed: 4.8 cm/s, (1 7/8 ips)

Wow and Flutter: 0.08% (WRMS)

Program Time: 1 hour with C-60 cassette tape

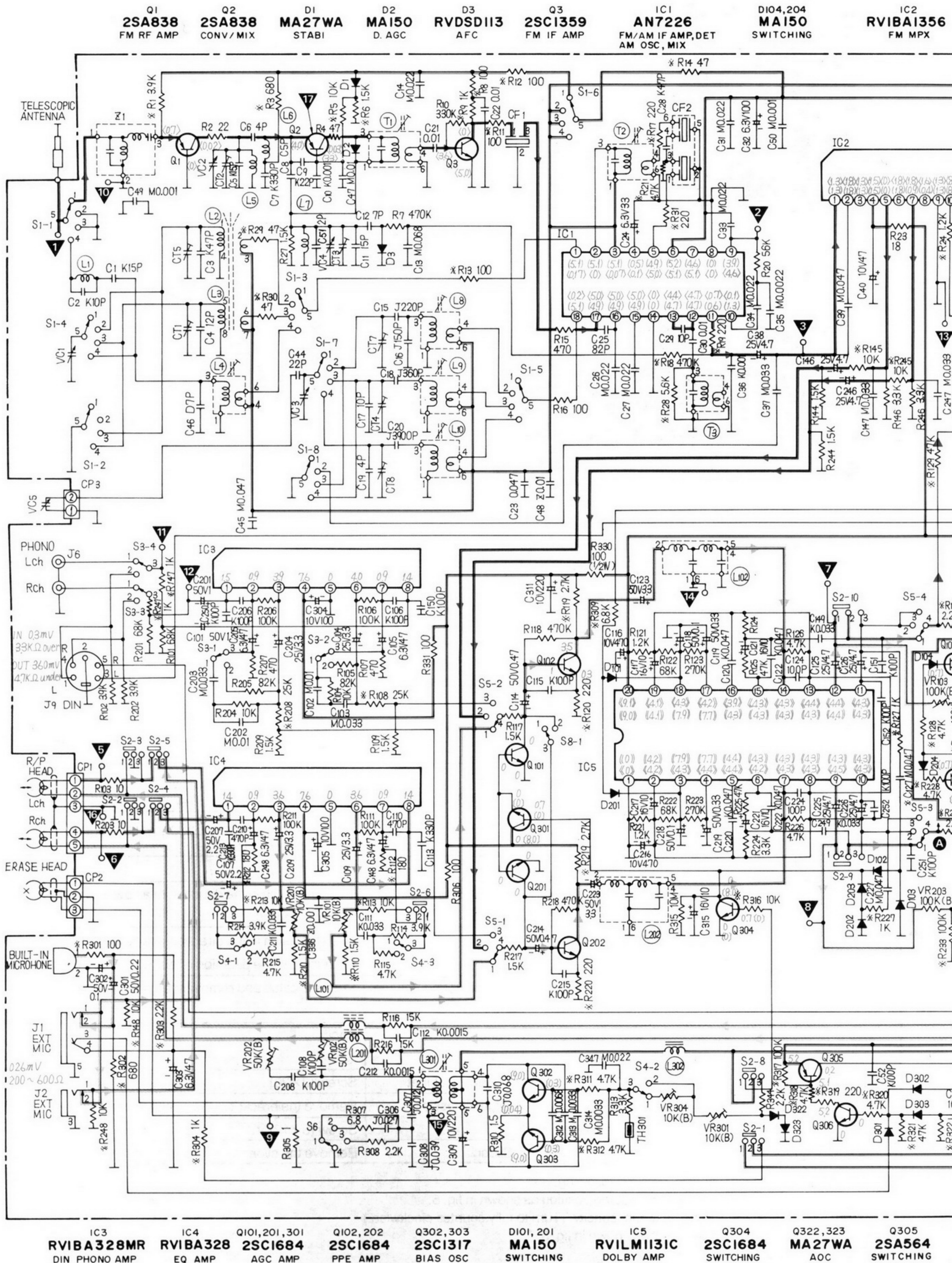
Track System: 4-track 2 channel stereo recording and  
playback

Specifications are subject to change without notice.

# Panasonic

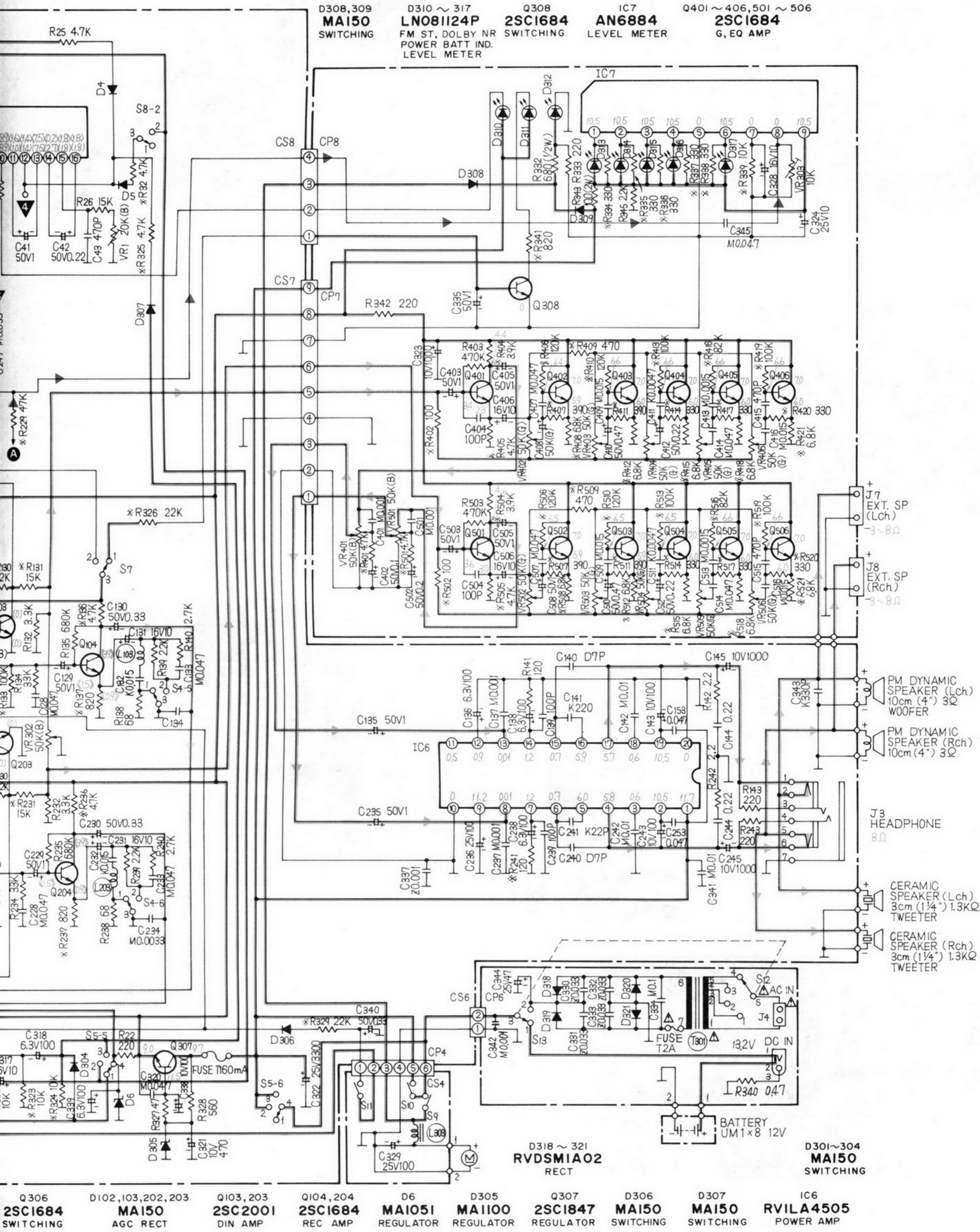
Matsushita Electric Trading Co., Ltd.  
P.O. Box 288, Central Osaka Japan

SCHEMATIC DIAGR



RAM MODEL RX-C45LS

D4, 5, 307  
MA150  
SWITCHING



D308,309 MA150 SWITCHING  
 D310 ~ 317 LN081124P FM ST, DOLBY NR POWER BATT IND. LEVEL METER  
 Q308 2SC1684 SWITCHING  
 IC7 AN6884 LEVEL METER  
 Q401 ~ 406, 501 ~ 506 2SC1684 G, EQ AMP

Q306 2SC1684 SWITCHING  
 D102,103,202,203 MA150 AGC RECT  
 Q103,203 2SC2001 DIN AMP  
 Q104,204 2SC1684 REC AMP  
 D6 MA1051 REGULATOR  
 D305 MA1100 REGULATOR  
 Q307 2SC1847 REGULATOR  
 D306 MA150 SWITCHING  
 D307 MA150 SWITCHING  
 IC6 RVILA4505 POWER AMP  
 D318 ~ 321 RVDSMIA02 RECT  
 D301~304 MA150 SWITCHING