

Service Manual

Radio Cassette

RX-CT800

Portable Stereo Component System

Color

(K) Black Type



Area

Country Code	Areas	Color
(E)	Continental Europe	(K)
(EB)	Great Britain	
(EG)	F.R. Germany/Italy	

RX-CW42L (TAPE 1) MECHANISM SERIES

■ SPECIFICATIONS

General:

Power Requirement: AC; (E) (EG) . . 220 V, 50 Hz
(EB) 240 V, 50 Hz
Battery; 9 V (Six UM-1 "R20/LR20"
Batteries)

Power Consumption: 15 W (AC only)

Power Output: 8 W (4 W×2)...RMS (max.)
20 W (10 W×2)...PMPO
10 W (5 W×2)...MPO

Speaker: Woofer; 12 cm PM Dynamic Speaker
(2.7Ω)
Tweeter; 2 cm Ceramic Speaker

Jacks: Input; CD/LINE IN; 400 mV, 47 kΩ
Output; EXT. SP; 2.7~8Ω
HEADPHONES; 32Ω, Ø3.5

Dimensions: 578 (W)×199 (H)×173 (D) mm
Main Unit;
305 (W)×199 (H)×173 (D) mm
Speaker Box;
144 (W)×199 (H)×152 (D) mm

Weight: 3.9 kg without batteries

Radio Section:

Radio Frequency Range: FM; 87.5~108 MHz
LW; 148.5~285 kHz
MW; 520~1610 kHz
SW; 5.9~18.0 MHz

Intermediate Frequency: FM; 10.7 MHz
AM; 459 kHz

Sensitivity: FM; 2 μV/50 mW output
(-3 dB Limit Sens.)
LW; 224 μV/m/50 mW output
MW; 178 μV/m/50 mW output
SW; 10μV/50 mW output

Tape Deck Section:

Frequency Response: 40~13,000 Hz
Tape Speed: 4.8 cm/s
Track System: 4-track 2-channel stereo playback

Tape Deck Section:

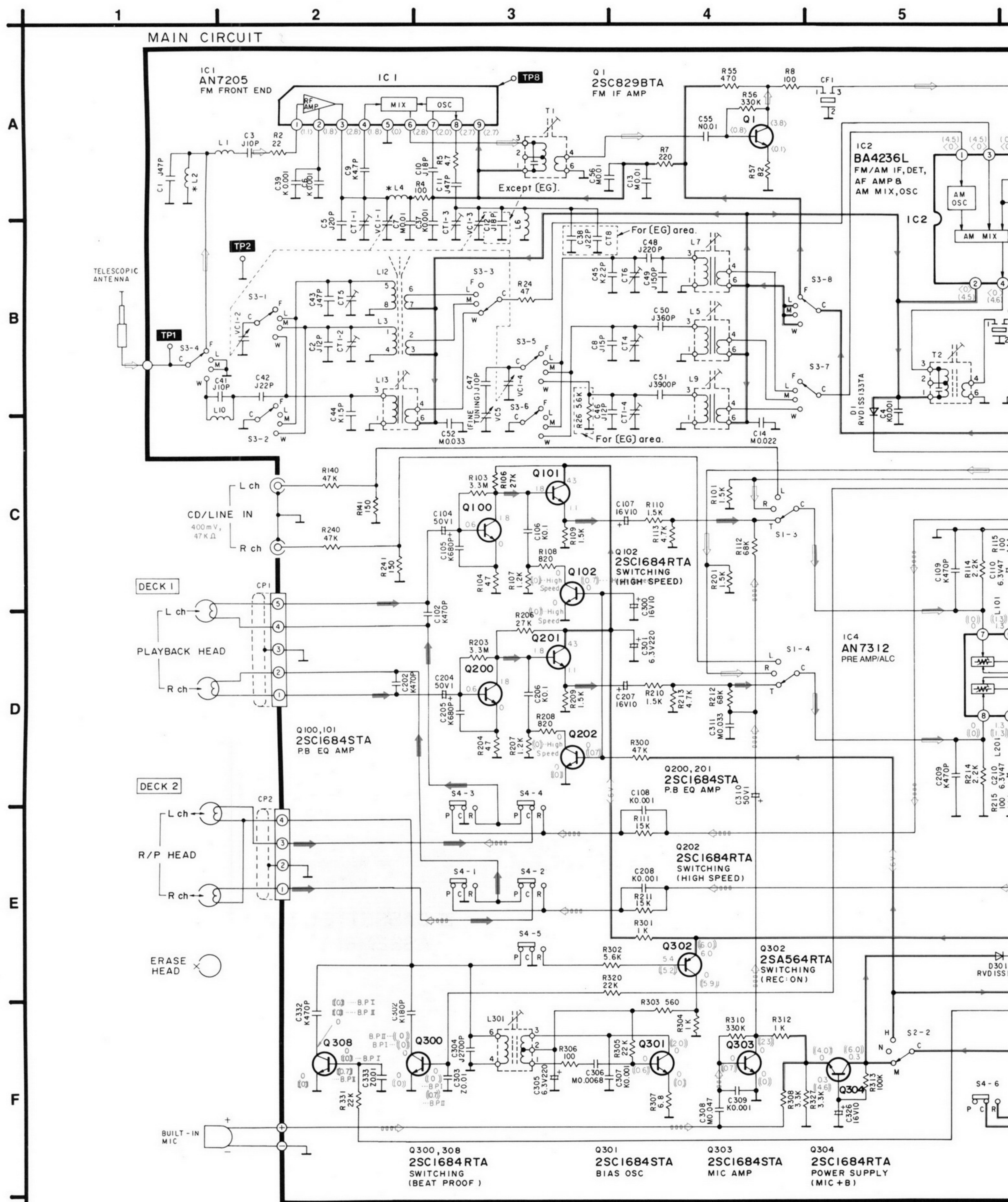
Frequency Response: 40~13,000 Hz
Recording System: AC bias, Magnet erase
Tape Speed: 4.8 cm/s
Track System: 4-track 2-channel stereo recording and playback

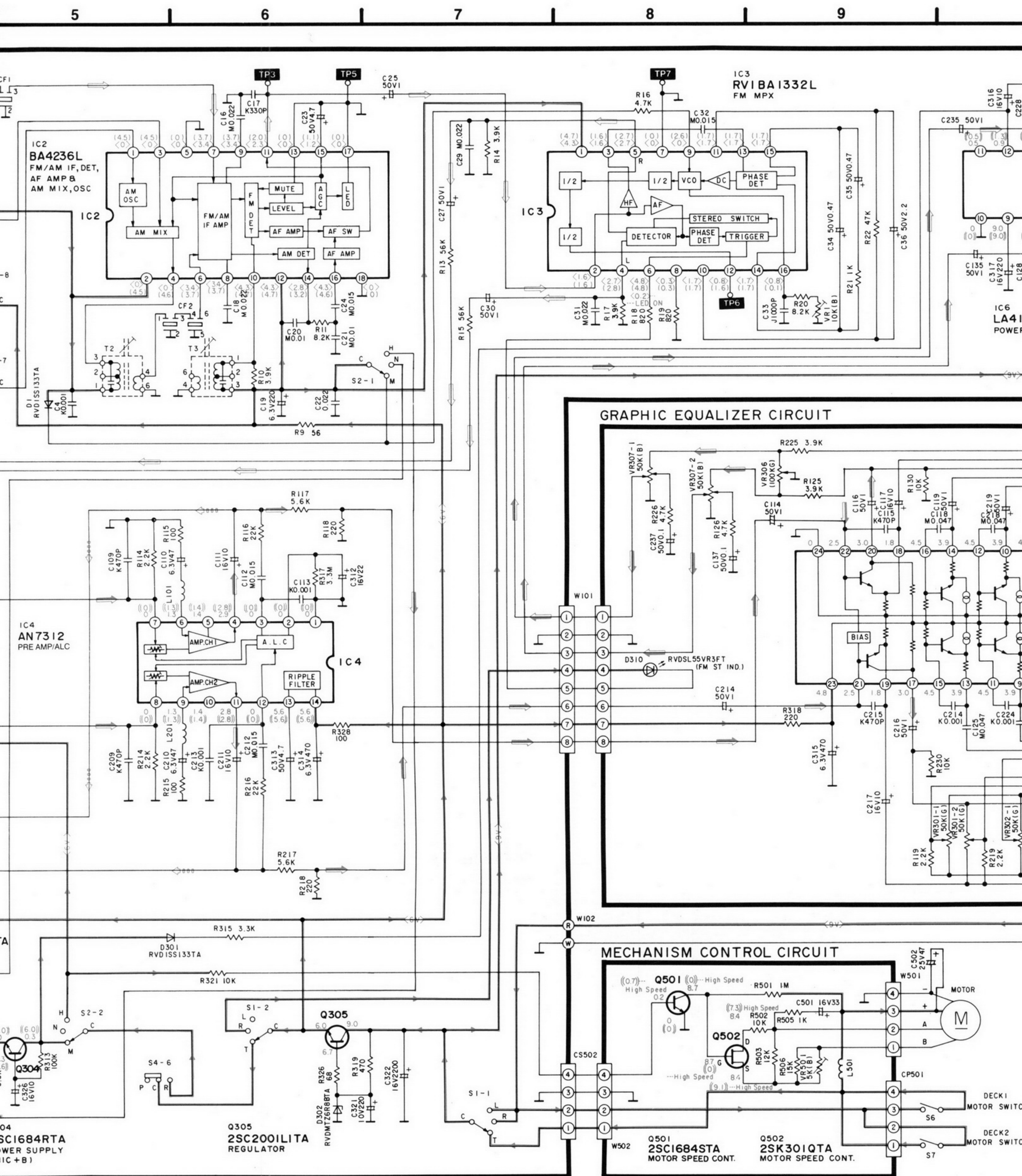
Design and specifications are subject to change without notice.

Panasonic

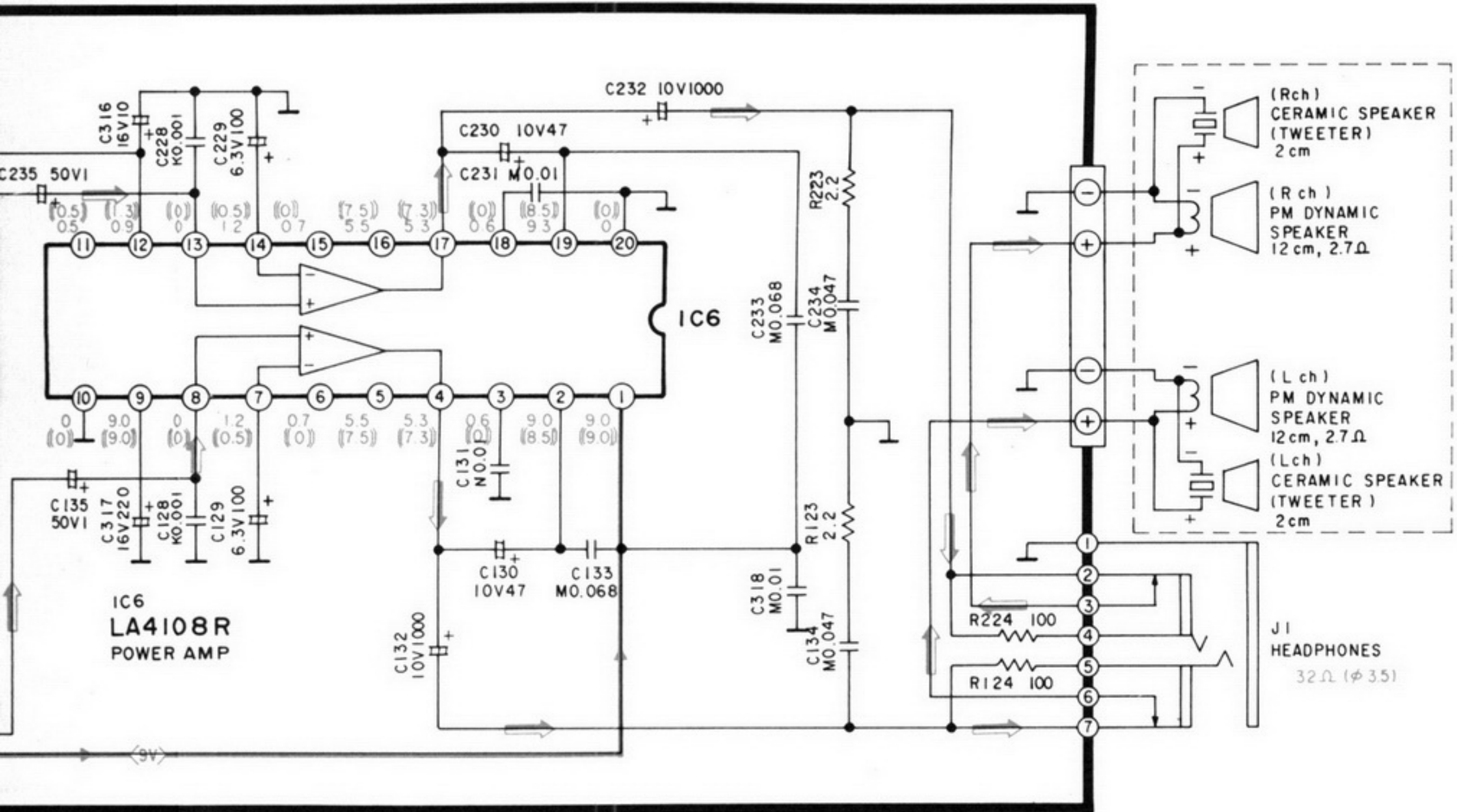
Matsushita Electric Industrial Co., Ltd.
Central P.O. Box 288, Osaka 530-91, Japan

SCHEMATIC DIAGRAM (Parts list on page 24.)

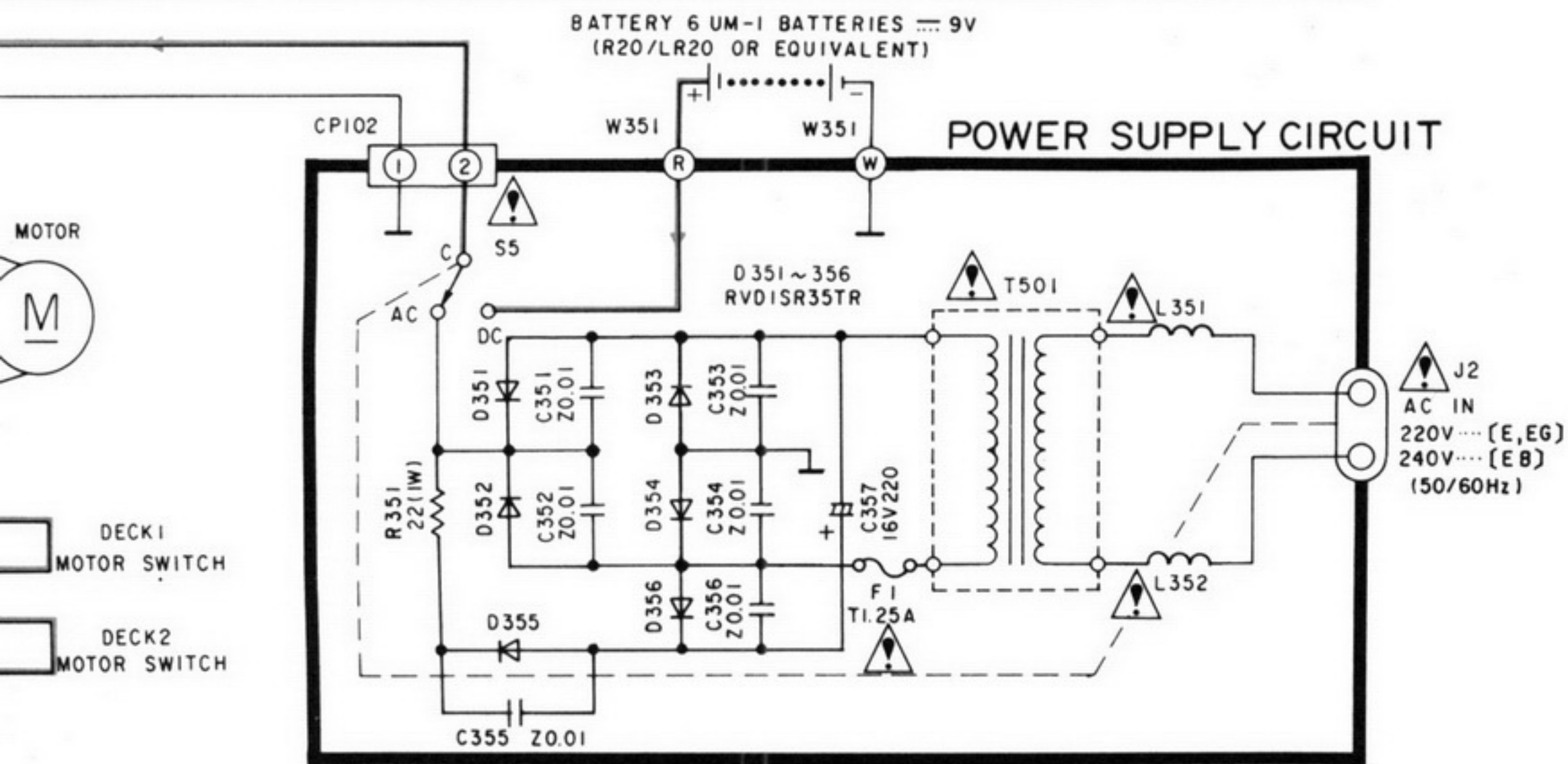
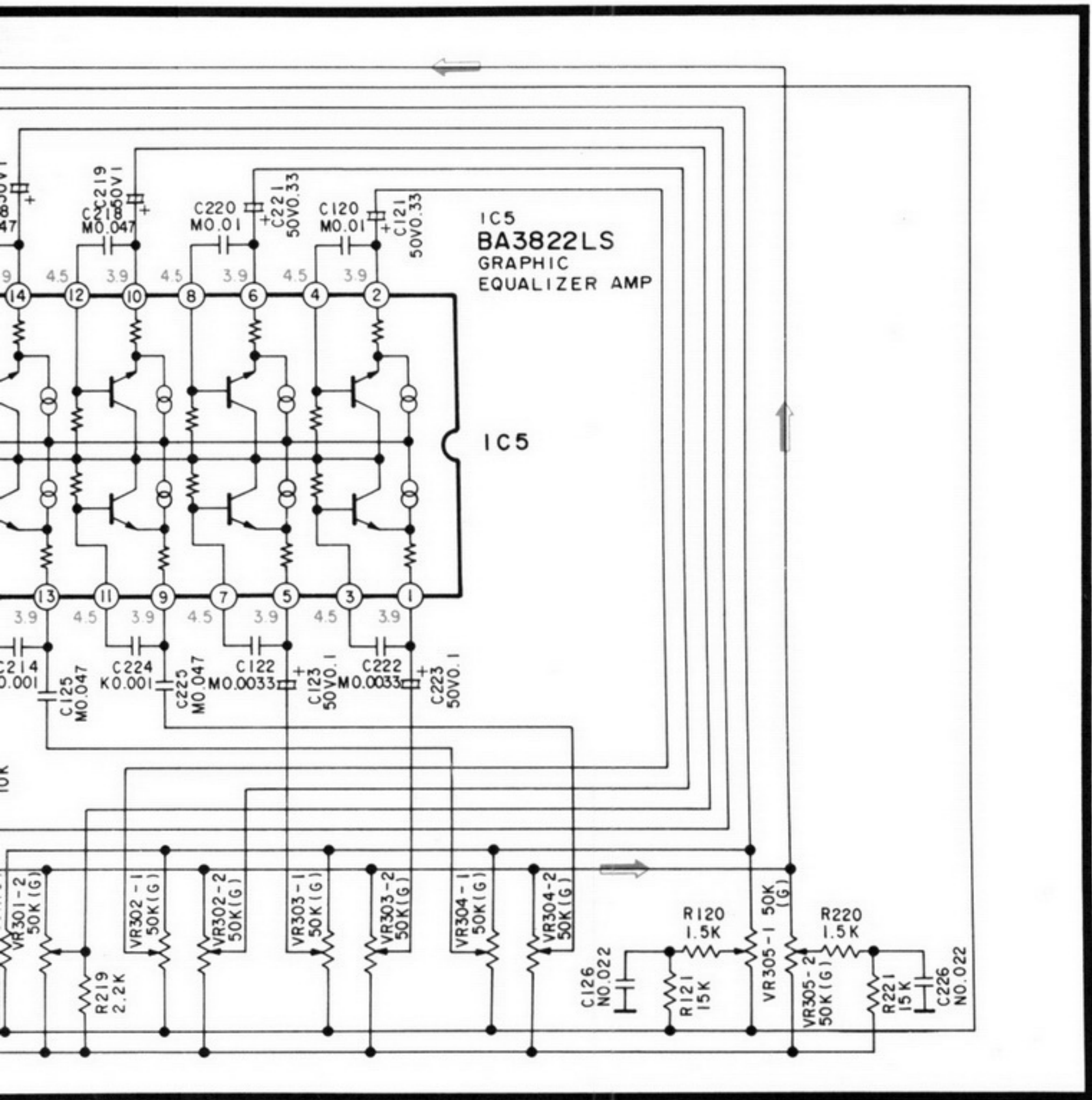




10 11 12 13 14



- FM SIGNAL LINE
- PLAYBACK SIGNAL LINE
- RECORD SIGNAL LINE
- MAIN SIGNAL LINE



Notes:

1. S1-1~S1-4: Function select switch in "TAPE/POWER
[OFF]" position.
(T...TAPE/POWER [OFF], R...RADIO,
L...[CD]/LINE)
2. S2-1~S2-2: Editing/FM mode select switch in "MIC"
position.
(M...MIC/MONO/[I], N...NORMAL/STEREO/
[II], H...HIGH/STEREO/[III])
3. S3-1~S3-8: Band select switch in "FM" position.
(F...FM, M...MW, L...LW, W...SW)
4. S4-1~S4-6: Record/Playback switch in "PLAYBACK"
position.
(R...RECORD, P...PLAYBACK)
5. S5: AC/DC select switch in "DC" position.
6. S6: DECK 1 motor switch.
7. S7: DECK 2 motor switch.
8. VR1: FM VCO adjustment VR.
9. VR301-1, VR301-2: Graphic equalizer VR (100 Hz).
10. VR302-1, VR302-2: Graphic equalizer VR (330 Hz).
11. VR303-1, VR303-2: Graphic equalizer VR (1 kHz).
12. VR304-1, VR304-2: Graphic equalizer VR (3.3 kHz).
13. VR305-1, VR305-2: Graphic equalizer VR (10 kHz).
14. VR306: Balance control VR.
15. VR307-1, VR307-2: Volume control VR.
16. VR501: Tape speed adjustment VR.
17. Battery Current: Vol. min. 33 mA (Radio)
58 mA (Playback)
Vol. max. 760 mA (Radio)
(G E.Q. VR: Center) 558 mA (Tape)
Measurement instruction
(Radio: FM 60 dB, 30% Mod.)
(Tape: 315 Hz, 0 dB)

18. DC voltage measurement are taken with electronics voltmeter from negative terminal of battery.

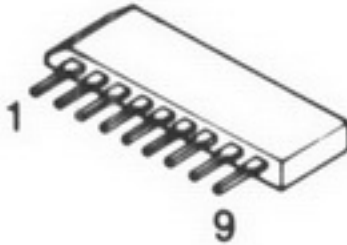
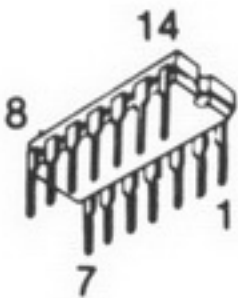
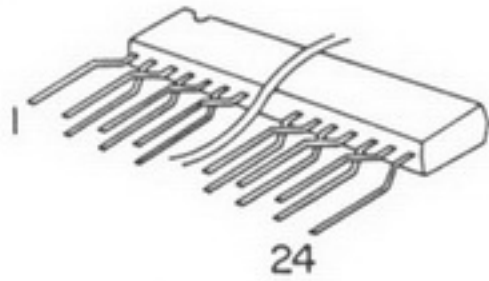
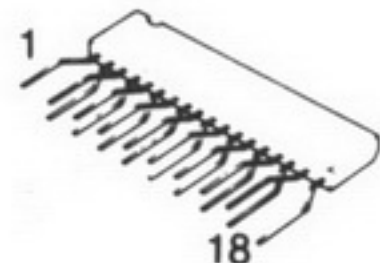
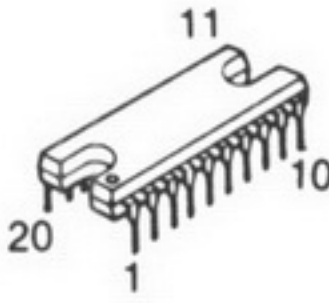
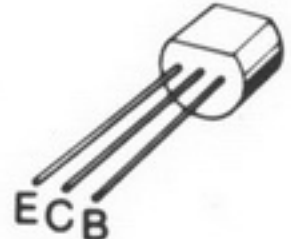
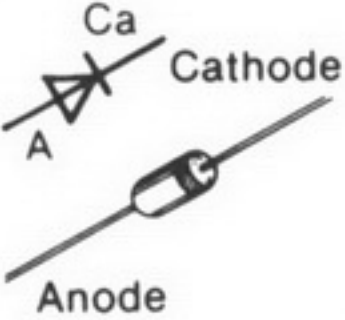
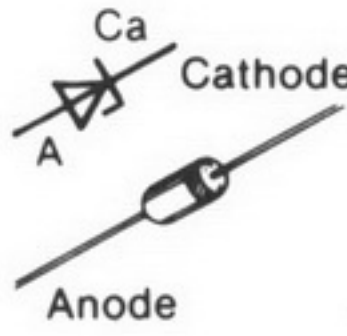
< >...FM ()...AM (LW, MW, SW)
[[]]...RECORD No mark...PLAYBACK

Important safety notice.

Components identified by Δ mark have special characteristics important safety.

When replacing any of these components, use only manufacturer's specified parts.

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

AN7205 9 Pin 	AN7312 14 Pin 	BA3822LS 24 Pin 	BA4236L 18 Pin 
LA4108R 20 Pin 	RVIBA1332L 16 Pin 	 2SA564RTA 2SC829BTA 2SC1684RTA 2SC1684STA 2SC2001L1TA	
2SK301QTA 	RVD1SS133TA RVD1SR35TR 	RVDMTZ6R8BTA 	RVDSL55VR3FT 