

Service Manual

Stereo Radio Cassette Recorder

Radio Cassette
RX-FS410

Color

(K) Black Type



Area

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

MECHANISM SERIES (SG-20)

■ SPECIFICATIONS

General:

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

Power Consumption: 15 W (AC only)

Power Output: 16 W (8 W x 2) ... PMPO

Speaker: 10 cm PM Dynamic Speaker (2.7Ω)

Output: HEADPHONES; 32Ω, ø3.5

Dimensions (W x H x D): 460 mm x 148 mm x 151 mm

Weight: 2.4 kg without batteries

Radio Section:

Radio Frequency Range: FM; 87.5 ~ 108 MHz
MW; 520 ~ 1610 kHz
LW; 148.5 ~ 285 kHz
SW; 5.9 ~ 18 MHz

Intermediate Frequency: FM; 10.7 MHz
AM; 459 kHz

Sensitivity: FM; (E, EB) 2.2 μV/50 mW output
(-3 dB Limit Sens.)
(EG) 2.5 μV/50 mW output
MW; (E, EB) 140 μV/m/50 mW output
(EG) 125 μV/m/50 mW output
LW; (E, EB) 160 μV/m/50 mW output
(EG) 140 μV/m/50 mW output
SW; 4 μV/50 mW output

Tape Deck Section:

Frequency Response: 70 ~ 10,000 Hz

Tape Speed: 4.8 cm/s

Recording System: AC bias, Magnet erase

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

Notes:

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


Panasonic

Notes:

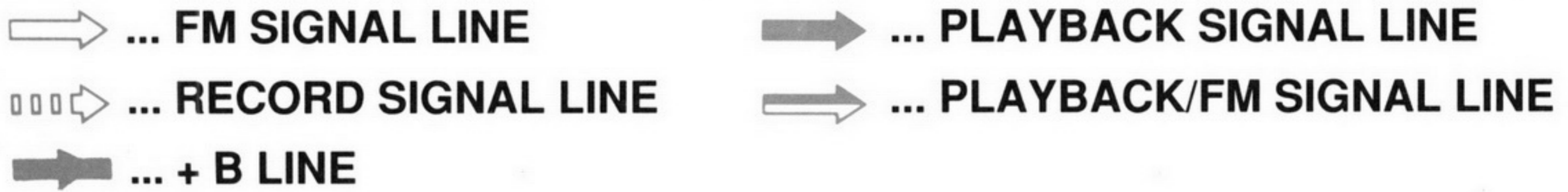
1. S1-1 ~ S1-8 : Band select switch in "FM" position.
(F... FM, L... LW, M... MW, S... SW)
2. S3-1 ~ S3-4 : Function select switch in "TAPE/ [OFF]" position.
(T... TAPE/ [OFF], R... RADIO)
3. S4-1 ~ S4-7 : Record/Playback switch in "PLAYBACK" position.
(R... RECORD, P... PLAYBACK).
4. S5-1 ~ S5-2 : FM mode/Beat proof select switch in "MONO/I" position.
(M/I... MONO/I, ST/II... STEREO/II, ST/III... STEREO/III)
5. S6 : Motor switch in "OFF" position.
6. S304 : AC/DC select switch in "DC" position.
7. VR1 : FM VCO adjustment VR.
8. VR301-1, VR301-2 : Volume control VR.
9. VR302-1, VR302-2 : Tone control VR.
10. DC voltage measurements are taken with electronic voltmeter.
The negative terminal of the battery provides negative meter connection point.
No mark... PLAYBACK, []... RECORD, ()... AM, < >... FM

11. Battery current : Vol. min 70mA (Radio)
130mA (Tape Playback)
Vol. max. 800mA (Radio)
960mA (Tape Playback)
870mA (Recording)

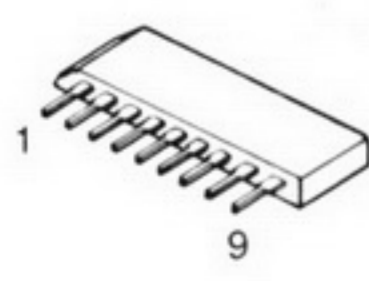
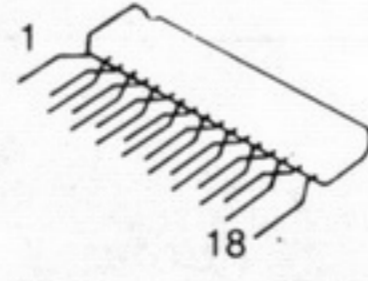
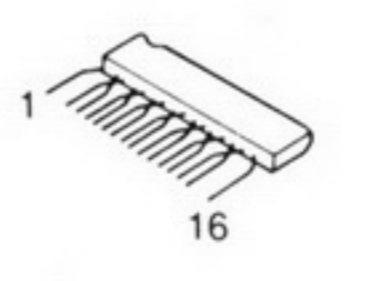
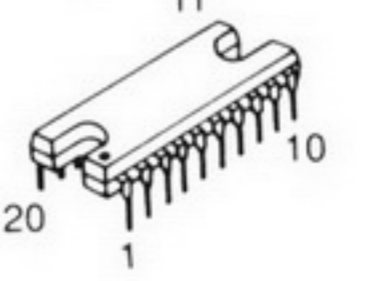
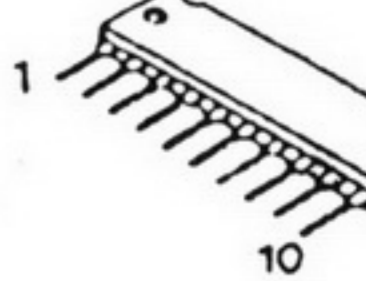
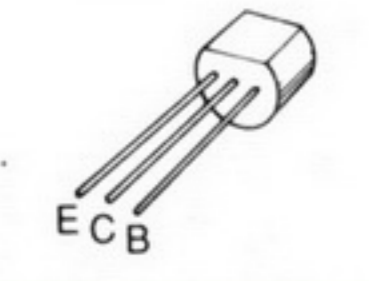
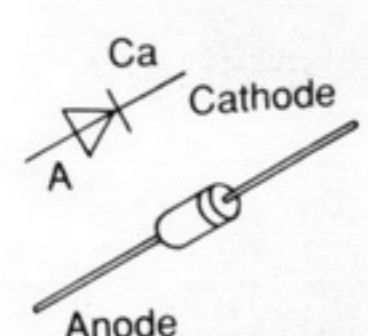
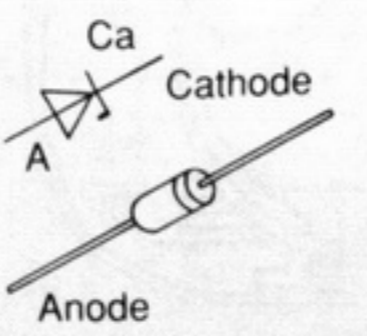
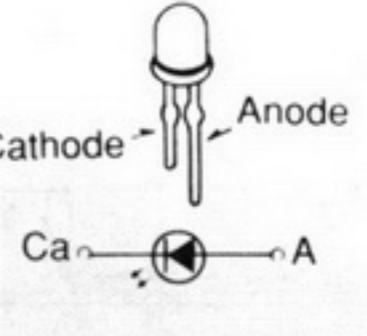
Measurement Instruction
(Radio : FM 60dB, 30% Mod.)
(Tape: 315 Hz, 0dB)

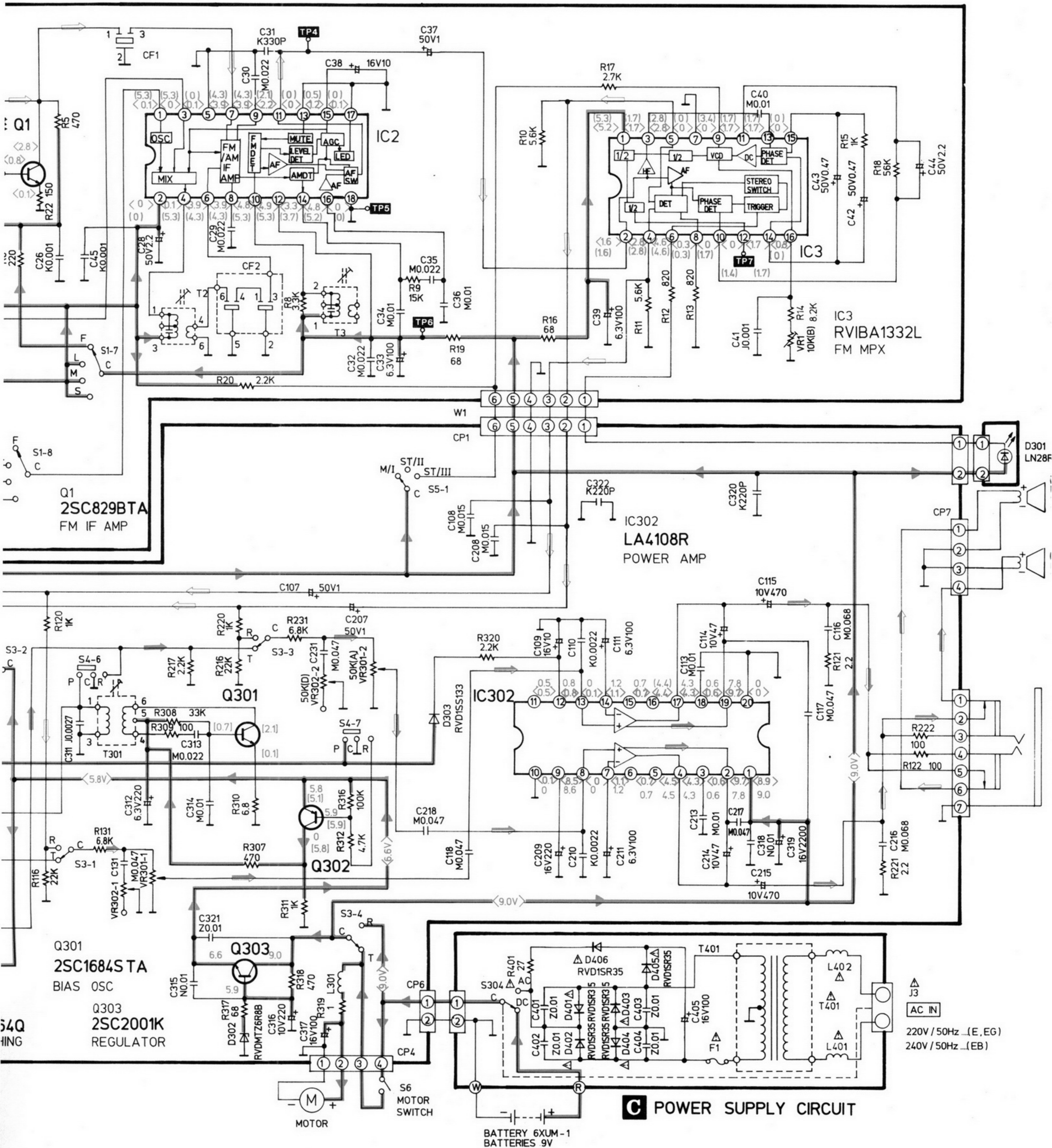
12. Important Safety notice:
Components identified by  mark have special characteristics important for safety.
When replacing any of these components, use only manufacturer's specified parts.
13. The mark (■) shows test point eg: **TP1** test point 1.

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



■ TERMINAL GUIDE OF IC'S, TRANSISTORS AND DIODES

<p>AN7205</p> 	<p>BA4236L</p> 	<p>RVIBA1332L</p> 	<p>LA4108R</p> 	<p>BA3310N</p> 
<p>2SC829B 2SC1684S 2SA564Q 2SC2001K</p> 	<p>RVD1SS133 RVD1SR35</p> 	<p>RVDMTZ6R8BTA</p> 	<p>LN28RPH</p> 	



C POWER SUPPLY CIRCUIT

BATTERY 6XUM-1
BATTERIES 9V

△ J3
AC IN
220V / 50Hz ... (E, EG)
240V / 50Hz ... (EB)

SCHEMATIC DIAGRAM (Parts List on Page 18, 19, 20)

