

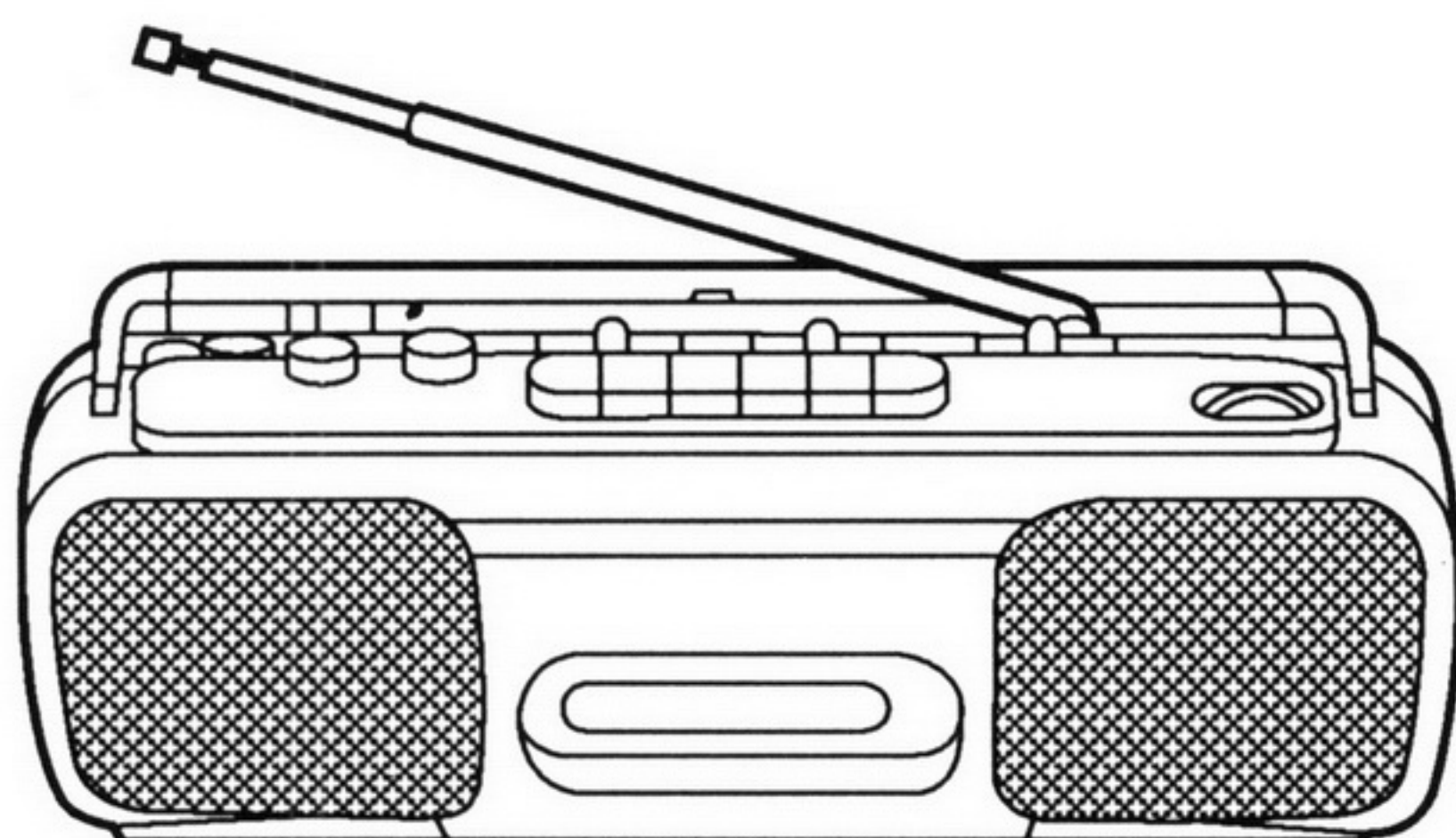
Service Manual

Stereo-radio/Cassette recorder

Radio Cassette
RX-FS21

Colour

(K) ... Black Type

**Area**

Suffix for Model No.	Area	Colour
(E)	Continental Europe	(K)
(EB)	Great Britain	
(EG)	F.R. Germany/Italy	

MECHANISM SERIES (YS28Z-22)**■ SPECIFICATIONS****■ Radio**

Frequency Range: FM; 87.5—108 MHz
AM; 520—1610 kHz

■ Tape Recorder

Track System: 4-track, 2-channel, stereo
Recording System: AC bias, magnet erase
Monitor System: Variable sound monitor
Frequency Range: 70 — 8,000 Hz

■ General

Power Requirement: AC; 230 V—240 V, 50 Hz
Power consumption; 15W
Battery; 9V (six R6/LR6, "UM-3" batteries)
Power output: 7 W x 2 ... PMPO
Speakers: 8 cm x 2
Jack:
Output; HEADPHONES; 32 Ω
Dimensions (W X H X D): 361 x 120 x 113 mm
Weight: 1.7 kg without batteries

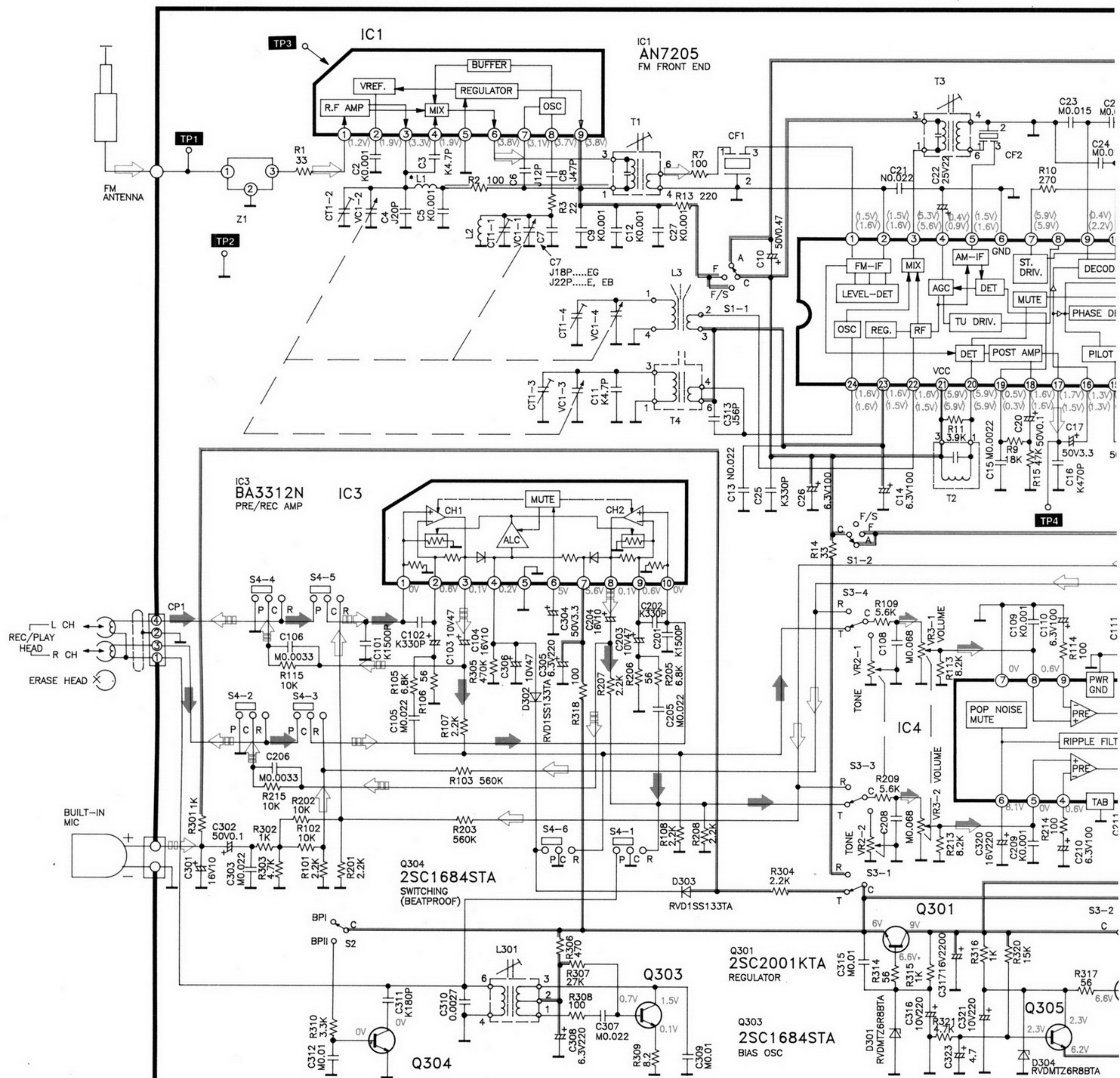
Notes :

- Specifications are subject to change without notice.
- Weight and dimensions shown are approximate.

Panasonic

SCHEMATIC DIAGRAM

A MAIN CIRCUIT





Notes:

1. S1-1 ~ S1-2 : Band select switch in "AM" position.
(A...AM, F...FM, F/S...FM STEREO)
2. S2 : TAPE mode switch in "BPI" position.
(BPI...TAPE STEREO, BPII...TAPE MONO)
3. S3-1 ~ S3-4 : Function select switch in "TAPE" position.
(T...TAPE, R...RADIO)
4. S4-1 ~ S4-6 : Record/playback switch in "PLAYBACK" position.
(P...PLAYBACK, R...RECORD)
5. S5 : Motor switch in "OFF" position.
6. S401 : AC/DC select switch in "DC" position.
7. VR1 : FM VCO adjustment VR.
8. VR2-1, VR2-2 : Tone control VR.
9. VR3-1, VR3-2 : Volume 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, () ... AM, < > ... FM

11. Battery Current : Vol. min..... 63 mA (Radio)
742 mA (Playback)
Vol. max..... 146 mA (Radio)
813 mA (Playback)
841 mA (Recording)

Measurement condition:

Radio : FM 60 dB, 30% Mod.
AM 74 dB/m, 30% Mod.
Tape : 315 Hz, 0 dB

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. e.g. **TP1** = test point 1.

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

 ... FM SIGNAL LINE

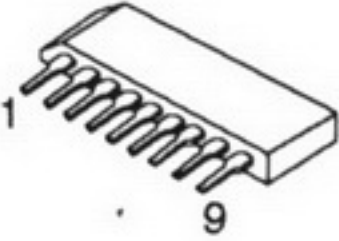
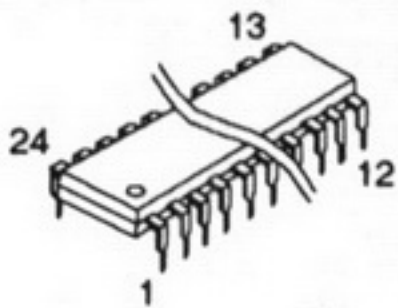
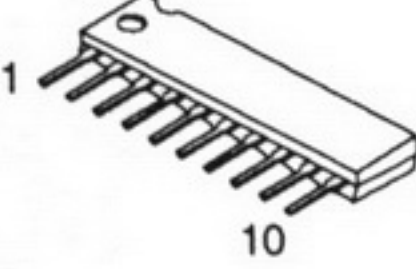
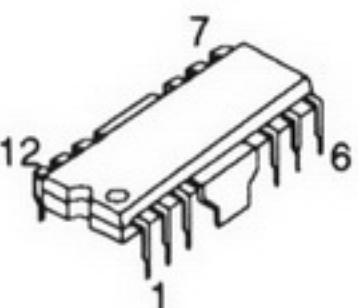
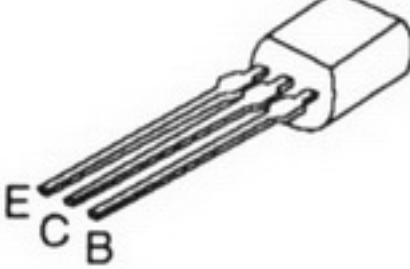
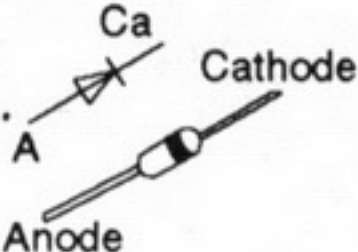
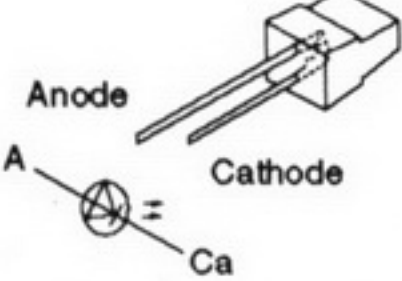
 ... +B LINE

 ... PLAYBACK SIGNAL LINE

 ... AF (AM/FM) SIGNAL LINE

 ... RECORD SIGNAL LINE

■ TERMINAL GUIDE OF ICs, TRANSISTORS AND DIODES

AN7205 	LA1805 	BA3312N 	RVILA4550 
2SC2001KTA 2SC3940RTA 2SC1684STA 2SC1684RTA 	RVD1SS133TA RVD1SR35TR 	SVGLB74UR3HL 	
RVDMTZ6R8BTA 