

# Service Manual

Stereo Radio Cassette Recorder

Radio Cassette

## RX-FT530

Colour

(K) . . . . . Black Type



**Area**

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

### MECHANISM SERIES (SG-20S)

#### ■ SPECIFICATIONS

**General :**

Power Requirement : AC; 230V, 50Hz (...E,EG)  
 230~240V, 50Hz (...EB)  
 Battery; 9V, 6 R20/LR20,UM-1 batteries

Power Consumption : 16W (AC only)

Power Output : 8W (4Wx2)...RMS

Speaker : 2 X Woofers; 10cm (2.7Ω)  
 2 X Tweeters; 1.5cm

Jacks : Output; Headphone; (32Ω, Ø3.5)

Dimensions : 566 (W) x 146 (H) x 160 (D) mm  
 2.8 kg without batteries.

**Radio Section :**

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

Intermediate Frequency : FM; 10.7MHz  
 AM; 459kHz

Sensitivity : FM : 12dB/50mW  
 LW : 55dB/m/50mW  
 MW : 51dB/m/50mW  
 SW : 22dB/50mW

**Tape Deck Section :**

Frequency Response : 70 ~ 12,000Hz

Recording System : AC bias, Magnet erase

Tape Speed : 4.8cm/s

Monitor System : Variable sound monitor

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











- SW1-1 ~ SW1-8 : Band select switch in "FM" position.  
(F...FM, L...LW, M...MW, S...SW).
- SW2-1 ~ SW2-2 : FM MODE/B.P select switch in "MONO/I" position.  
(M...MONO/I, S/II...STEREO/II, S/III...STEREO/III)
- SW3-1 ~ SW3-4 : Function select switch in "  CD / LINE " position.  
(T...TAPE /  OFF, R...RADIO, L...  CD / LINE)
- SW4-1 ~ SW4-6 : Record/Playback switch in "PLAYBACK" position.  
(R...RECORD, P...PLAYBACK)
- S304 : AC/DC select switch in "DC" position.
- S501 : Deck 1 Motor switch in "OFF" position.
- S502 : Deck 2 Motor switch in "OFF" position.
  
- Battery Current : Radio ..... 60mA(FM, min volume)  
50mA (AM, min volume)  
700mA (FM, max volume)  
440mA (AM, max volume)  
Tape ..... 150mA (volume min)  
780mA (volume max)  
Recording ..... 200mA

- VR101-1 ~ VR101-2 : Tone control VR.
- VR102-1 ~ VR102-2 : Volume control VR.
- VR501 : Motor speed VR

( Measurement condition:  
Radio: FM 60dB, 30%mod  
AM 74 dB, 30%mod  
Tape: 315 Hz, 0dB )

- DC voltage measurements are taken with electronic voltmeter from negative terminal of battery.
- \*L4 and \*L5 are printed coils formed on the P.C.B and thus not found in the Replacement Parts List.
- No mark ... Playback < > ... FM ( )...LW/MW/SW << >>...Record
- Important Safety Notice:  
Component identified by have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

**This schematic diagram may be modified at anytime with the development of new technology.**



## ■ TERMINAL GUIDE OF ICs, TRANSISTORS & DIODES

<p>AN7205</p>	<p>BA1442</p>	<p>RVILA4108R</p>	<p>AN7317</p>	<p>2SA564RTA</p>
<p>2SK301QTA</p>	<p>2SC1684RTA 2SC1684STA 2SC2001K1TA 2SC829BTA</p>	<p>RVD1SS133TA RVD1SR35TR</p>	<p>RVDMTZ6R8BTA</p>	<p>LN28RPH</p>