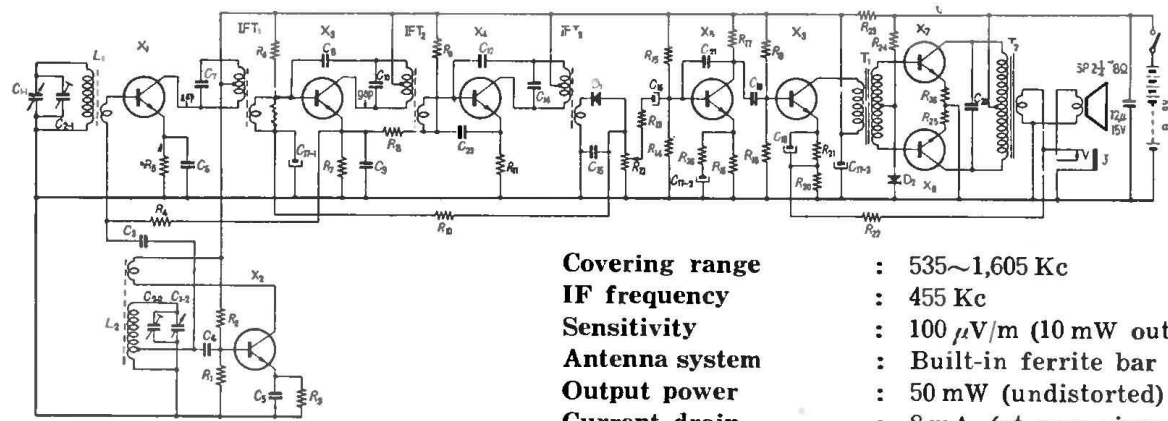
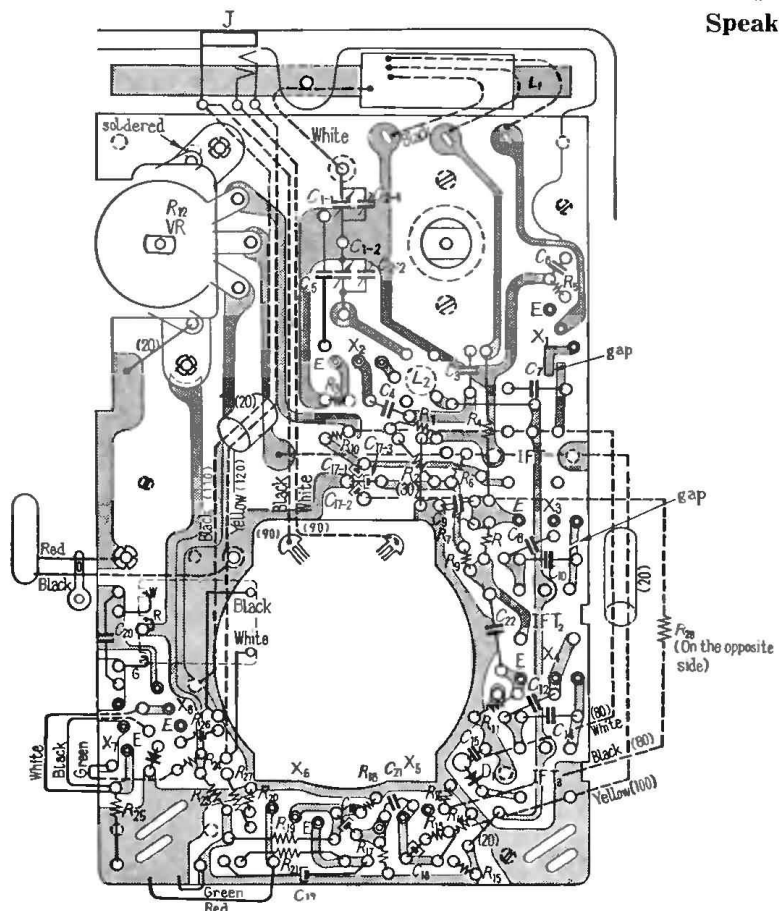


SONY TR-86



Covering range : 535~1,605 Kc
IF frequency : 455 Kc
Sensitivity : 100 μ V/m (10 mW output)
Antenna system : Built-in ferrite bar antenna
Output power : 50 mW (undistorted)
Current drain : 8 mA (at zero signal)
Speaker : 2 1/4" PM dynamic speaker 8 Ω

Parts list for TR-86



Circuit board of TR-86 (Printed side)

Audio Transformer

Input transformer TI-002
 6 K Ω : 3 K Ω
 DC resistance 500 Ω : 280 Ω
Output transformer TX-002
 1.4 K Ω : 8 Ω
 DC resistance 100 Ω : 0.5 Ω

Symbol	Description	Symbol	Description
L ₁	Antenna coil LA-033-LE	R ₂₅	22 Ω " "
L ₂	Oscillator coil LO-002-Q	R ₂₇ ①	33 K Ω " "
IFT ₁	LI-008-AP	R ₂₈	270 Ω " 20%
IFT ₂	LI-008-BP	C _{1-1, 1-2}	Variable condenser
IFT ₃	LI-008-CP	C _{2-1, 2-2}	CV-007-02
T ₁	TI-002-03	C ₃	0.005 μ F
T ₂	TX-002-03	C ₄	0.01 μ F
SP	2 1/4" 8 Ω DS 004-1	C ₅	0.005 μ F
J	Earphone jack	C ₆	0.01 μ F
R ₁	10 K Ω 1/4 W 20%	C ₇	180 PF
R ₂	56 K Ω " "	C ₈	2 PF
R ₃	2.2 K Ω " "	C ₉ ③	30 μ F 3 V
R ₄	2.2 K Ω " "	C ₁₀	180 μ F
R ₅ ①	820 Ω " 10%	C ₁₂	2 PF
R ₆	82 K Ω " 20%	C ₁₄	180 PF
R ₇	470 Ω " "	C ₁₅	0.02 μ F
R ₈	820 Ω " "	C ₁₆ ③	5 μ F 6 V
R ₉	18 K Ω " "	C ₁₇ ③	20 μ F 10 V 3 in block
R ₁₀	7.5 K Ω " "	C ₁₈ ③	5 μ F 6 V
R ₁₁	470 Ω " "	C ₁₉ ③	30 μ F 3 V
R ₁₂ ②	5 K Ω (RV-234)	C ₂₉	0.05 μ F
R ₁₃	1.5 K Ω 1/4 W 20%	C ₂₁	0.001 μ F
R ₁₄	10 K Ω 1/4 W 20%	C ₂₂	0.01 μ F
R ₁₅	56 K Ω " "	X ₁	Mixer 2 T 7 (2SC76)
R ₁₆	820 Ω " "	X ₂	Oscillator 2 T 7 (2SC73)
R ₁₇	2.2 K Ω " "	X ₃	IF 2 T 7 (2SC76)
R ₁₈	10 K Ω " "	X ₄	IF 2 T 7 (2SC76)
R ₁₉	56 K Ω " "	X ₅	Audio 2 T 6 (2SD66)
R ₂₀	5 Ω " 10%	X ₆	Audio 2 T 6 (2SD66)
R ₂₁	680 Ω " 20%	X _{7, X₈}	Power stage 2 T 6 (2SD65)
R ₂₂	220 Ω " "	D ₁	Detector 1 T 23
R ₂₃	220 Ω " "	D ₂	Varistor 1 T 52
R ₂₄	5.6 k Ω " "		
R ₂₅	22 Ω " 10%		

① To be adjusted. ② With switch.
 ③ Electrolytic.