

TR₁
2SA102
Conv.

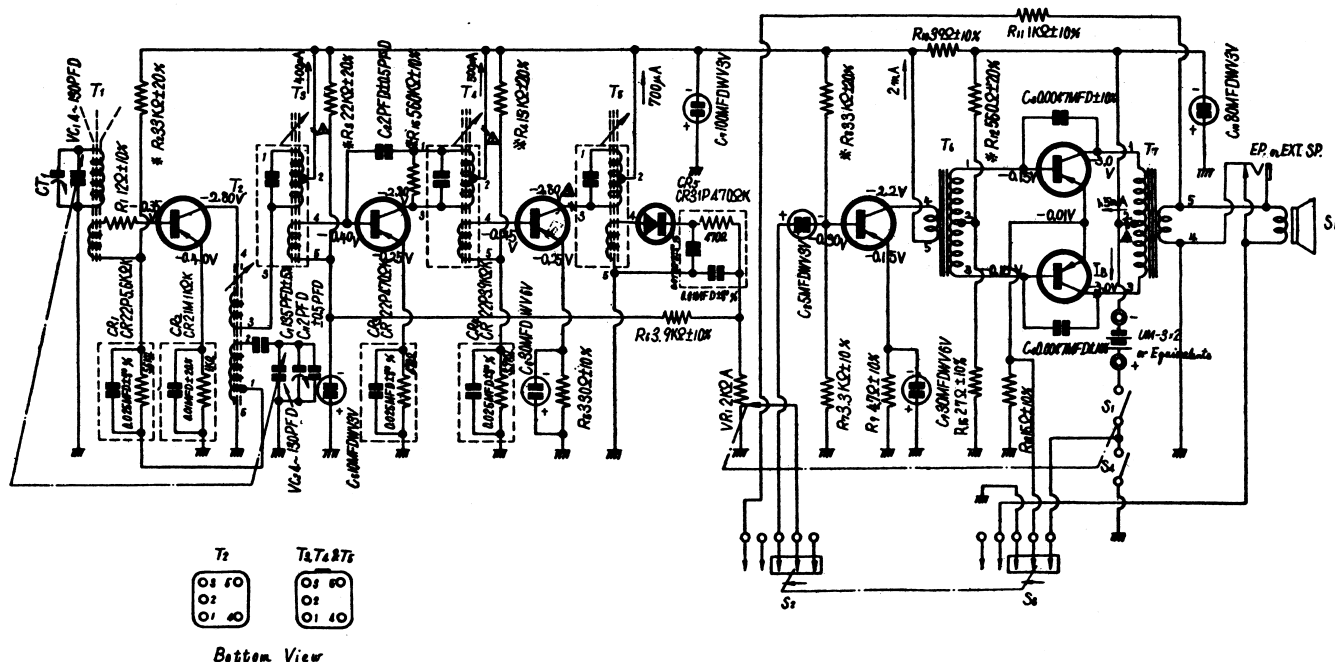
TR₂
2SA102
1st IF Amp.

TR₃
2SA102
2nd IF Amp.

D₁
0A90
Det. & A.G.C.

TR₄
2SB175
AF Amp.

TR₅ & TR₆
2SB178
Output



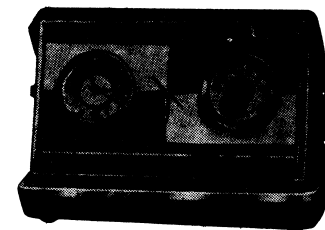
Notes :

1. S₁ : Power switch now at "OFF" position.
2. S₂, S₃ : Operation selection switch now at "RADIO" position. Slide it to AUTO, BUZZER in the direction of arrow mark.
3. S₄ : Timer switch now at "OFF" position.
4. Value of resistors given in the schematic diagram may be variable according to radio receiver.

R ₂ 22KΩ 27KΩ 33KΩ	R ₉ 18KΩ 22KΩ 27KΩ	R ₄ 12KΩ 15KΩ 18KΩ
R ₈ 27KΩ 33KΩ 39KΩ	R _{1,3} 470Ω 560Ω 680Ω	
lb at no signal 7mA		
at maximum output 80mA		

SPECIFICATIONS

Frequency Range : MW 540 ~ 1600 Kc/s (556 ~ 187.5 m)
 Intermediate Frequency : 455 Kc/s
 Sensitivity : MW 200 μV / m / 5 mW
 Power Output : 90 mW undistorted
 120mW maximum
 Batteries : 3V Two No. 3 penlight dry cells,
 (NATIONAL UM-3 or equivalents)
 Speaker : 1 3/4" (4.5cm) PM dynamic speaker
 Voice coil impedance, 8Ω



NATIONAL MODEL T-93.

