

General Description: Ten-transistor (plus six diodes), three-waveband portable receiver.

Power Supply: 6-volt (four 1½-volt batteries).

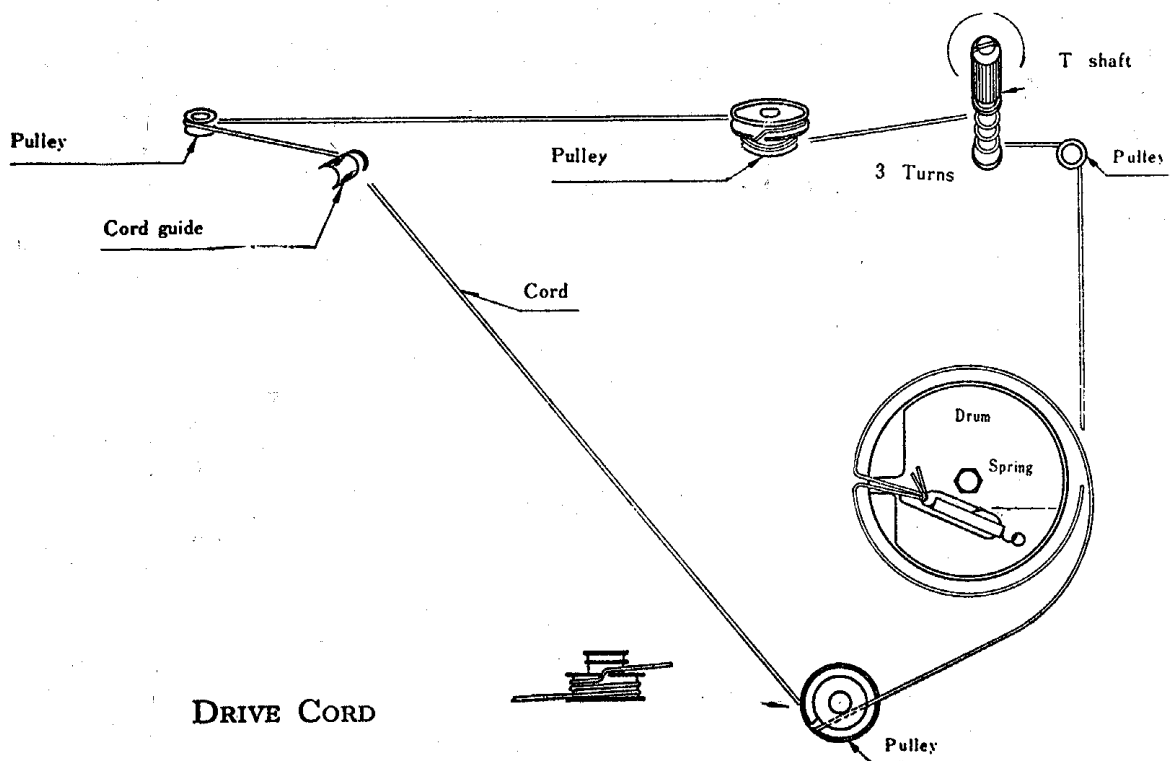
Wavebands: F.M. 87-108 Mc/s.; M.W. 577-187 m.; L.W. 2000-1000 m.

Dismantling: Remove the knobs from the cabinet, after setting the dial pointer at 530 kc/s. on the dial scale. Remove the back cover. Take off the battery label and remove the red painted screws. To remove chassis, unsolder the speaker and external aerial leads.

Intermediate Frequencies: F.M. 10.7 Mc/s.; A.M. 455 kc/s.

<i>Transistors</i>	<i>Type</i>	<i>Description</i>
TR ₁	2SA71	F.M. R.F. amplifier
TR ₂	2SA71	F.M. mixer
TR ₃	2SA71	F.M. oscillator
TR ₄	2SA70	F.M. 1st I.F. amplifier A.M. converter
TR ₅	2SA70	F.M. 2nd I.F. amplifier A.M. 1st I.F. amplifier
TR ₆	2SA70	F.M. 3rd I.F. amplifier A.M. 2nd I.F. amplifier
TR ₇	2SB173	1st A.F. amplifier
TR ₈	2SB175	2nd A.F. amplifier
TR ₉	2SB178	Power output amplifier
TR ₁₀	2SB178	

<i>Diodes</i>	<i>Type</i>	<i>Description</i>
D ₁	MA301	F.M. A.F.C.
D ₂	OA70	F.M. A.G.C.
D ₃	OA70	A.M. D.A.G.C.
D ₄	OA79	F.M. ratio detector
D ₅	OA79	
D ₆	OA70	A.M. detector & A.G.C.



TR₁
FM RF Amp.
2SA71

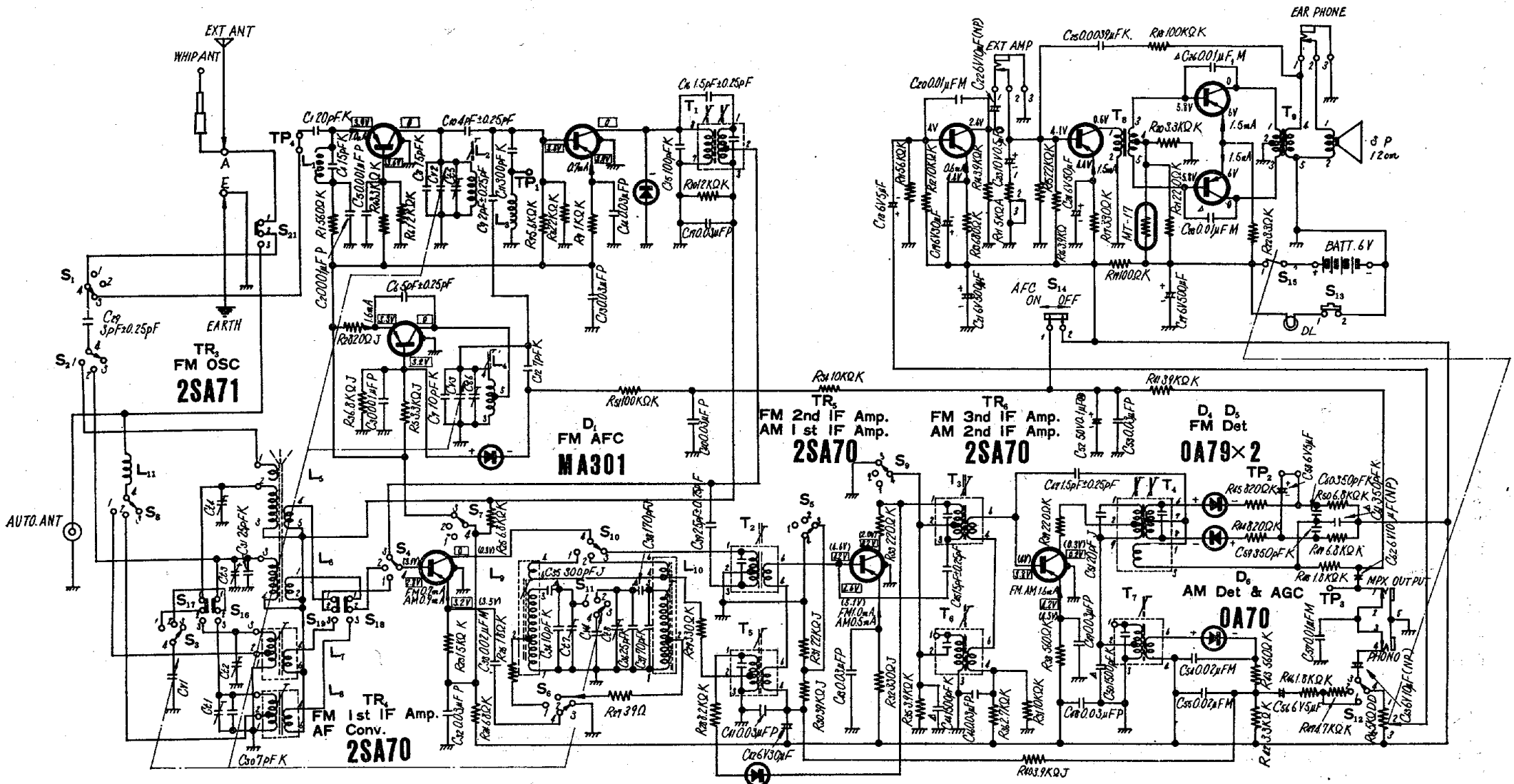
TR₂ FM Mixer
2SA71

D₁ FM AGC
0A70

TR₇ 1st AF Amp.
2SB173

TR₈ 2nd AF Amp.
2SB175

TR₉, TR₁₀
Power Amp.
2SB178×2



□ Voltage for FM
() Voltage for AM

D₄
AM D.A.G.C.
0A70

CIRCUIT DIAGRAM—NATIONAL MODEL RF-1006L