

RF AMP  
IP5M

MODULATOR  
IA7G

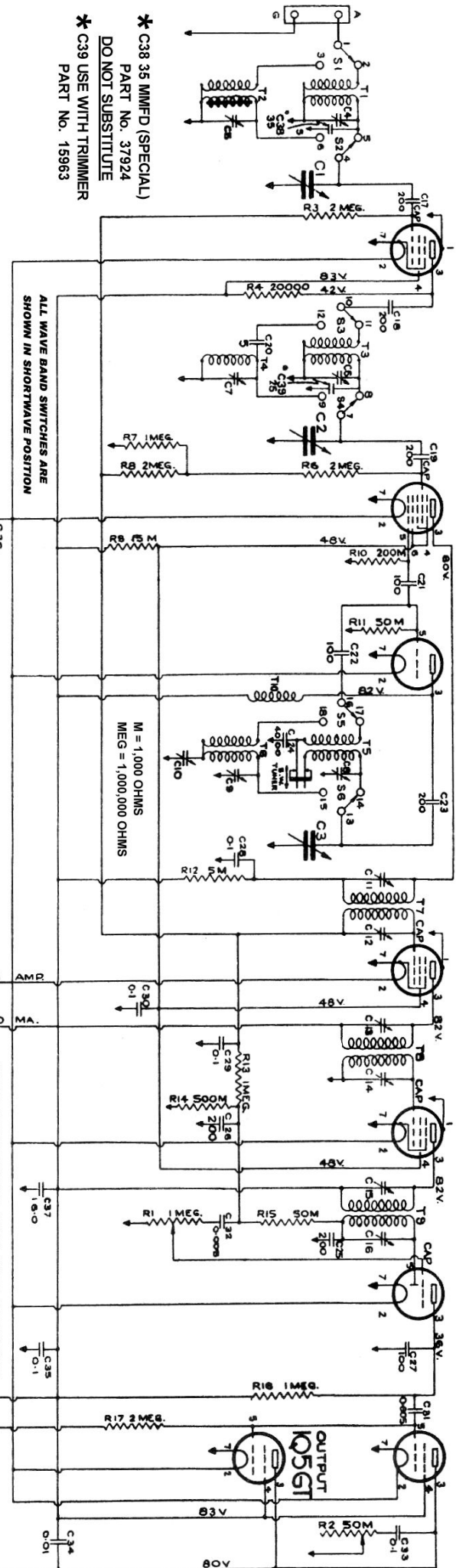
OSCILLATOR  
IE4G

LF AMP  
IP5M

LF AMP  
IP5M

DET. & AUDIO AMP  
IH5G

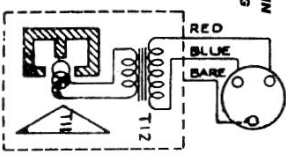
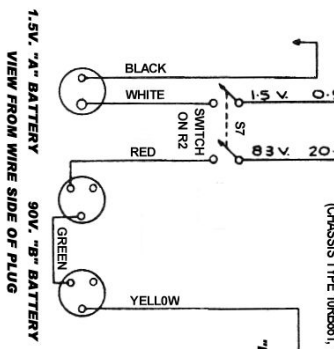
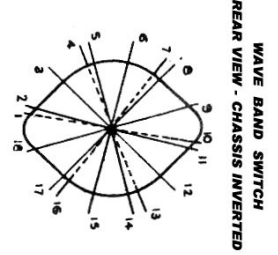
OUTPUT  
IO5GT



\* C38 35 MMFD (SPECIAL)  
PART No. 37924  
DO NOT SUBSTITUTE  
\* C39 USE WITH TRIMMER  
PART No. 15963

VOLTAGE READINGS ARE TAKEN WITH ECONOMIZER SWITCH OPEN AND BETWEEN POINTS SHOWN AND CHASSIS (GROUND) UNLESS OTHERWISE INDICATED.  
MICA CONDENSER CAPACITY SHOWN IN MMFDs.

L.F. TRANSFORMERS 456 K.C.  
SPEAKER VOICE COIL D.C. RESISTANCE 5.5 OHMS (CONSOLE)  
3.0 OHMS (MANTEL)

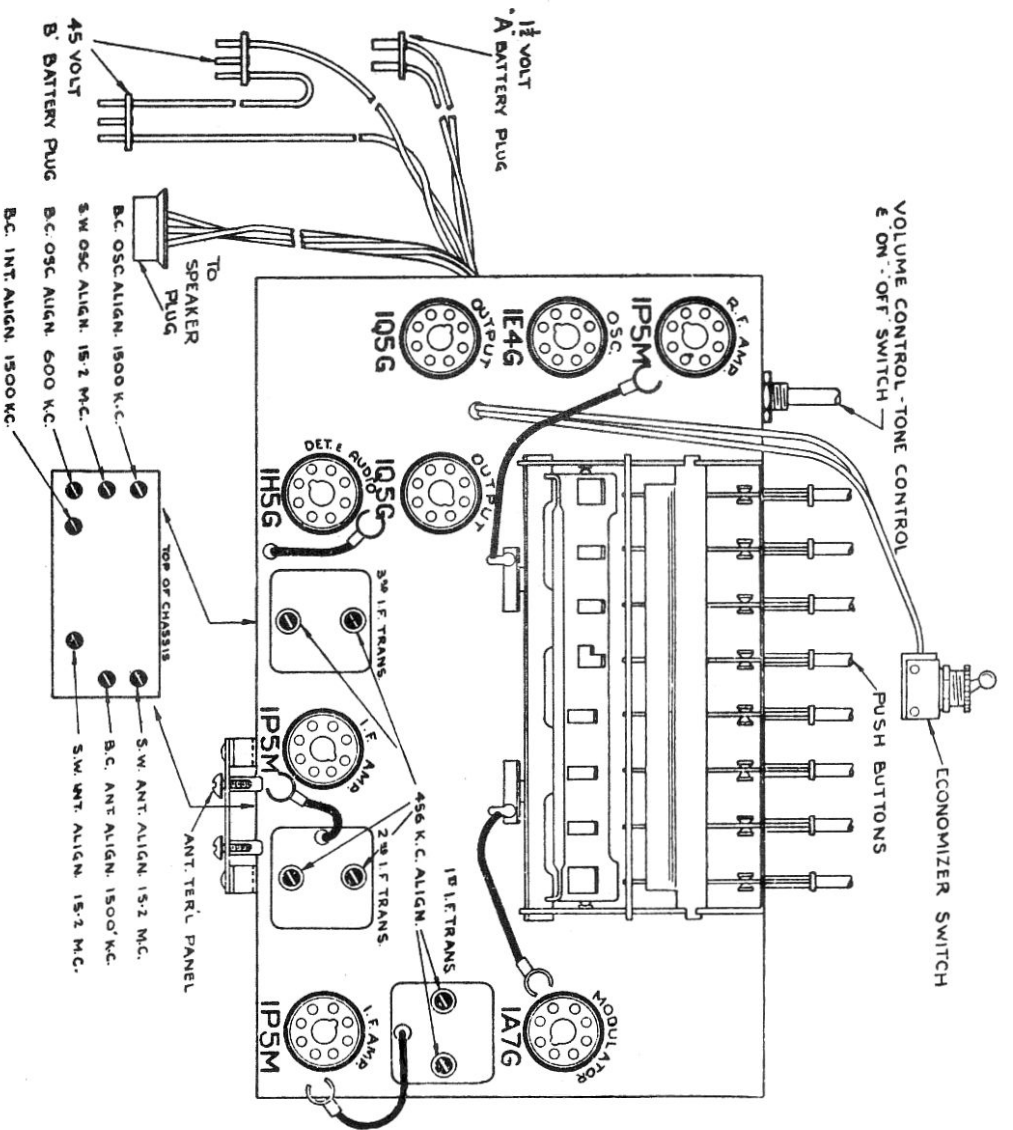


# Rogers 15/81A & 15/89A Majestic 4181A & 4189A De Forest A18/41 & A98/41

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## Battery Operated Radio Alignment & Chassis Layout

(Chassis Type 10RB861, 10RB862, 10MB861, 10MB862, 10DB861, 10DB862)



### ALIGNMENT — PROCEED IN SEQUENCE LISTED.

Connect Generator	Set Generator Tuning	Set Receiver Tuning	Band Switch	Dummy Antenna	Volume Control	Adjust	Remarks
1 To Grid Cap of 1A7G	456 kcs.	700-800 kcs.	Broadcast	.1 mfd.	Max.	C11, C12, C13 C14, C15, C16	To Peak I.F.
2 To Antenna	1500 kcs.	1500 kcs.	Broadcast	200 mmfds.	Max.	C9	To Peak Osc.
3 To Antenna	1500 kcs.	1500 kcs.	Broadcast	200 mmfds.	Max.	C7	To Peak In-terstage
4 To Antenna	1500 kcs.	1500 kcs.	Broadcast	200 mmfds.	Max.	C5	To Peak Ant.
†5 To Antenna	600 kcs.	600 kcs.	Broadcast	200 mmfds.	Max.	C10	To Track Osc.
6 To Antenna	1500 kcs.	1500 kcs.	Broadcast	200 mmfds.	Max.	C9	To Check Osc.
7 To Antenna	15.2 mcs.	15.2 mcs.	Short-wave	*400 ohms	Max.	C8	To Peak Osc.
8 To Antenna	15.2 mcs.	15.2 mcs.	Short-wave	*400 ohms	Max.	C6	To Peak Int.
9 To Antenna	15.2 mcs.	15.2 mcs.	Short-wave	*400 ohms	Max.	C4	To Peak Ant.

†Rock tuning control during this operation.

\*400 ohm resistor must be of a non-inductive type and must be located at the antenna terminal panel on receiver.