

I. F. = 456 K.C.

OSC. & MOD.
20J8M

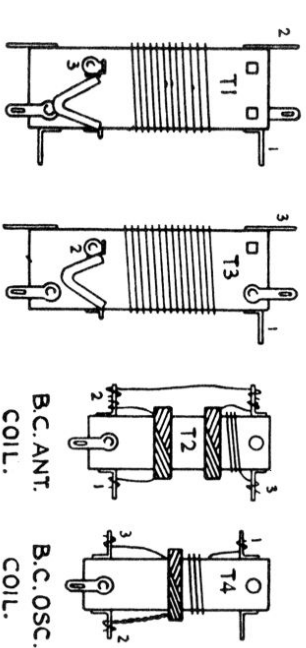
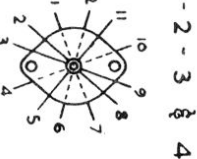
I. F. AMP.
12K7M

2ND DET. & A. F. AMP.
12B6M

OUTPUT
50C6G

(REAR VIEW - CHASSIS INVERTED)

WAVE SWITCH



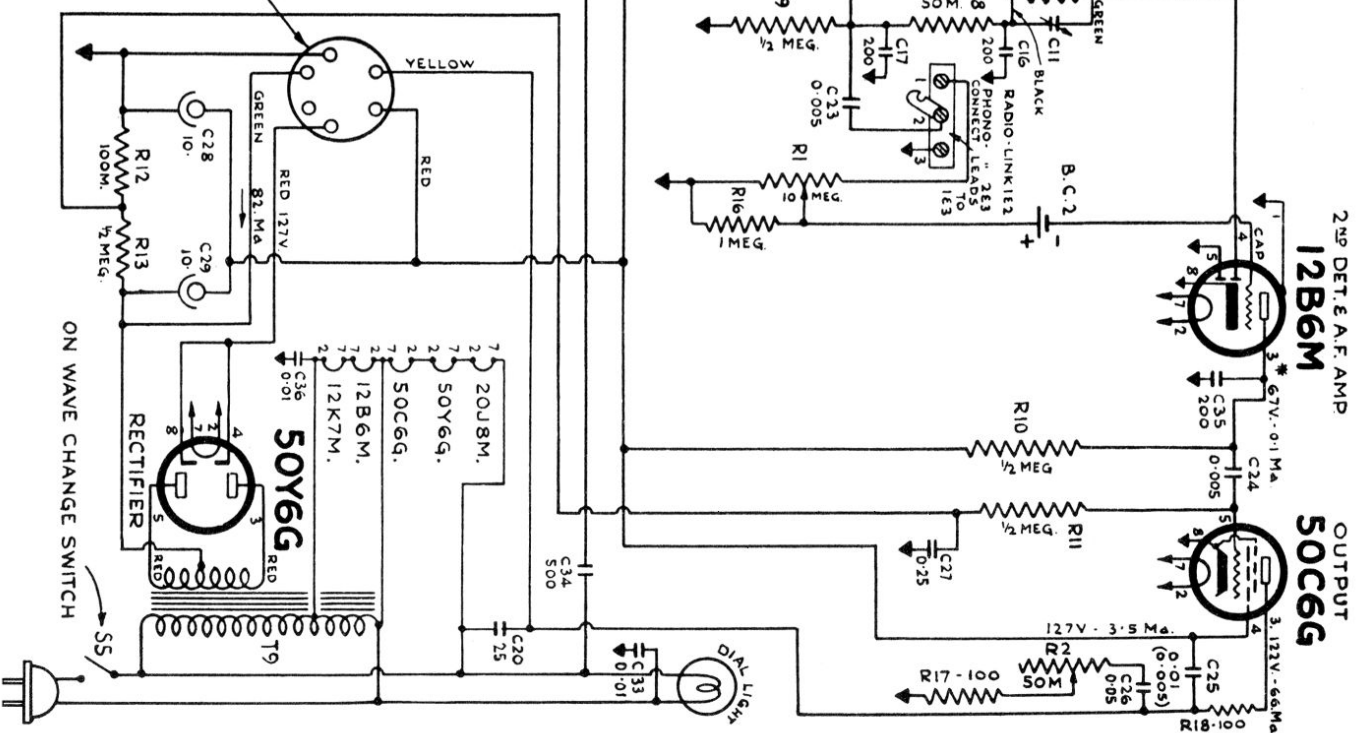
S.W. ANT. COIL S.W. OSC. COIL

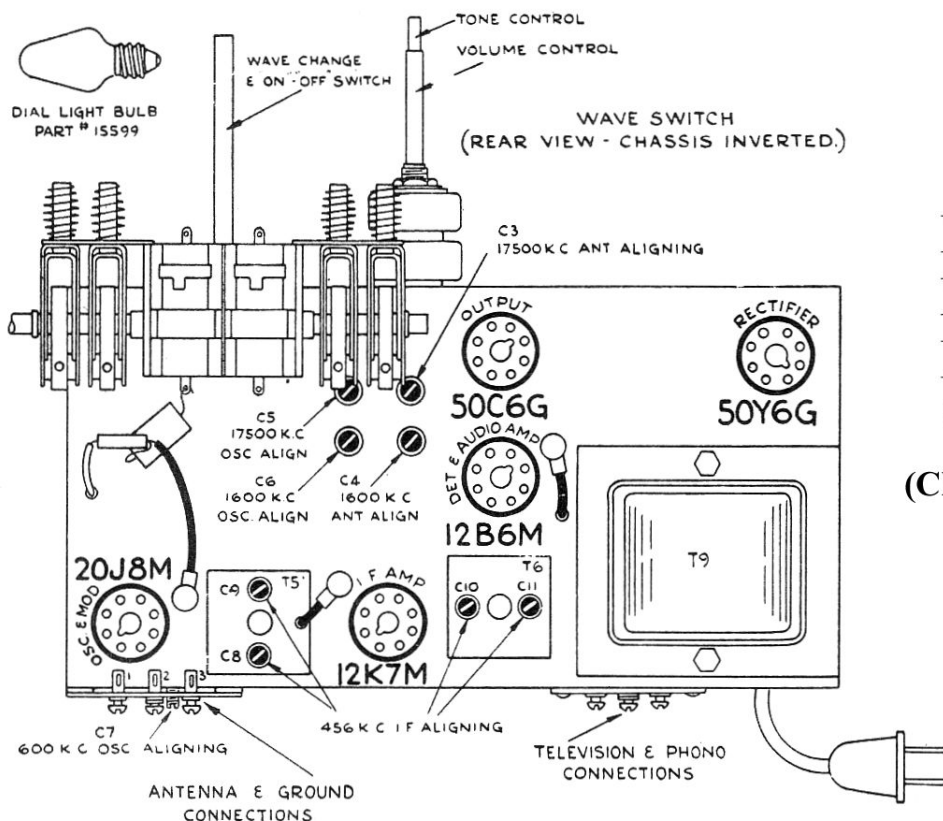
Rogers 15-54A, 15-57 Majestic 41-54A
De Forest "Centaurus" "Caribou"
(Chassis 10R523-4, 10D523-4, 10M523-4)

VIEWED FROM PIN END OF PLUG
VIEWED FROM WIRE SIDE OF SOCKET

D.C. RESISTANCE

SPEAKER	VOICE COIL	FIELD COIL
6694	3-2 OHMS	1000 OHMS
6695	2-6 OHMS	1000 OHMS





Rogers 15-54A, 15-57 Majestic 41/54A De Forest "Centaurus" "Caribou"

(Chassis 10R523-4, 10D523-4, 10M523-4)

Operation	Connect Generator	Set Generator Tuning	Set Receiver Tuning	Band Switch	Dummy Antenna	Vol. Cont.	Adjust	Remarks
1	To Grid Cap of 20J8M	456 kcs.	700-800 kcs.	Broadcast	.1 mfd.	Max.	C11, C10 C9, C8	To Peak I.F.
2	To Antenna	1600 kcs.	1600 kcs.	Broadcast	.0002 mfd.	Max.	C6	To Peak Osc.
3	To Antenna	1600 kcs.	1600 kcs.	Broadcast	.0002 mfd.	Max.	C4	To Peak Ant.
4	To Antenna	600 kcs.	600 kcs.	Broadcast	.0002 mfd.	Max.	*C7	To Peak Osc.
5	To Antenna	1600 kcs.	1600 kcs.	Broadcast	.0002 mfd.	Max.	C6	To Recheck Osc.
6	To Antenna	17.5 mcs.	17.5 mcs.	Short-wave	400 ohms	Max.	C5	To Peak Osc.
7	To Antenna	17.5 mcs.	17.5 mcs.	Short-wave	400 ohms	Max.	*C3	To Peak Ant.
†8	To Antenna	6.0 mcs.	6.0 mcs.	Short-wave	400 ohms	Max.	T1	To Increase Sensitivity
†9	To Antenna	6.0 mcs.	6.0 mcs.	Short-wave	400 ohms	Max.	T3	To Correct Logging

NOTE:—†Adjustments shown in operations 8 and 9 are only necessary when short-wave coil replacements are made. These coils are provided with a small wire loop which may be moved to vary the coil inductance.

I. F.—Short out oscillator section of gang condenser. Connect generator through a .1 mfd. condenser to control grid of 12A8M tube (grid cap in position). With generator at 456 kcs. adjust I. F. trimmers C11, C10, C9 and C8 in that order, for maximum output.

R. F.—Remove shorting link from gang condenser. Apply 1600 kc. signal through a .0002 mfd. condenser to antenna (Green) lead or terminal "A". Adjust C6 (oscillator) and C4 (R. F.) for maximum reading. Reset generator to 600 kcs. and adjust C7 for maximum reading. Rock gang during this operation.