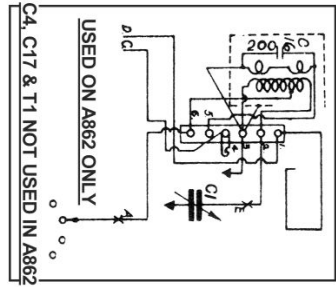


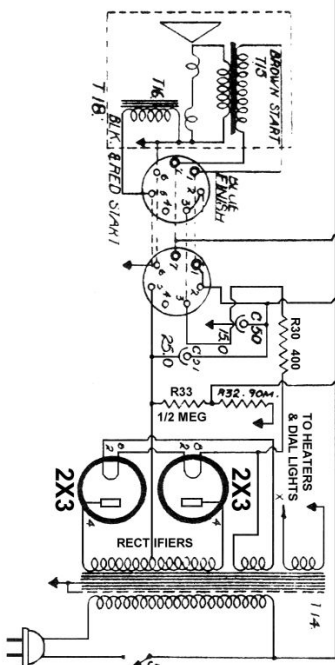
VALUE OF RESISTANCE IN CIRCUIT DO NOT PERMIT ACCURATE VOLTAGE CHECK USE PLATE CURRENT AS INDICATION OF CORRECT GRID AND PLATE VOLTAGE VOLTAGE READINGS ARE BETWEEN POINTS SHOWN AND CHASSIS (GROUND) UNLESS OTHERWISE INDICATED.

MICA CONDENSER CAPACITIES SHOWN IN MMFD.

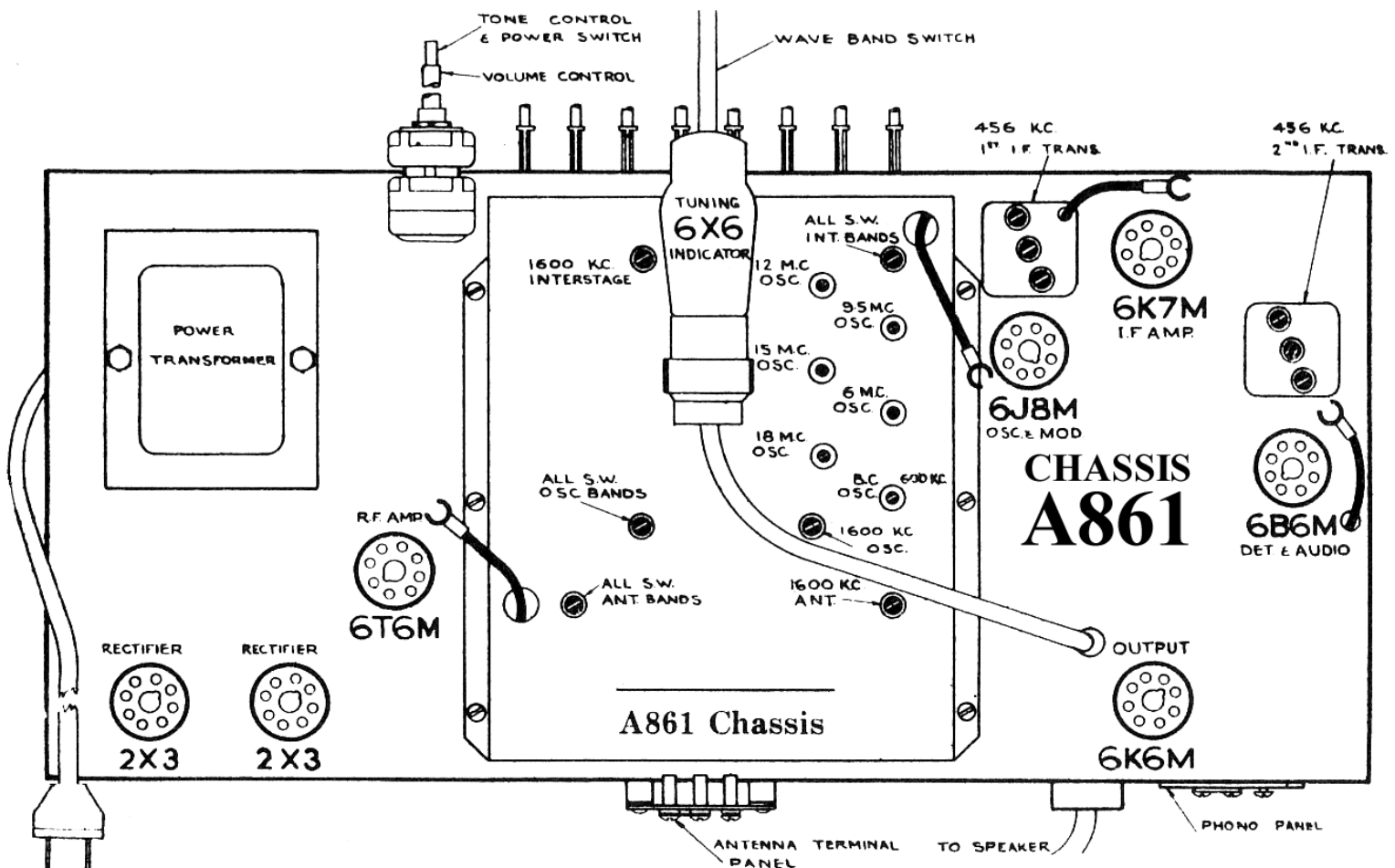
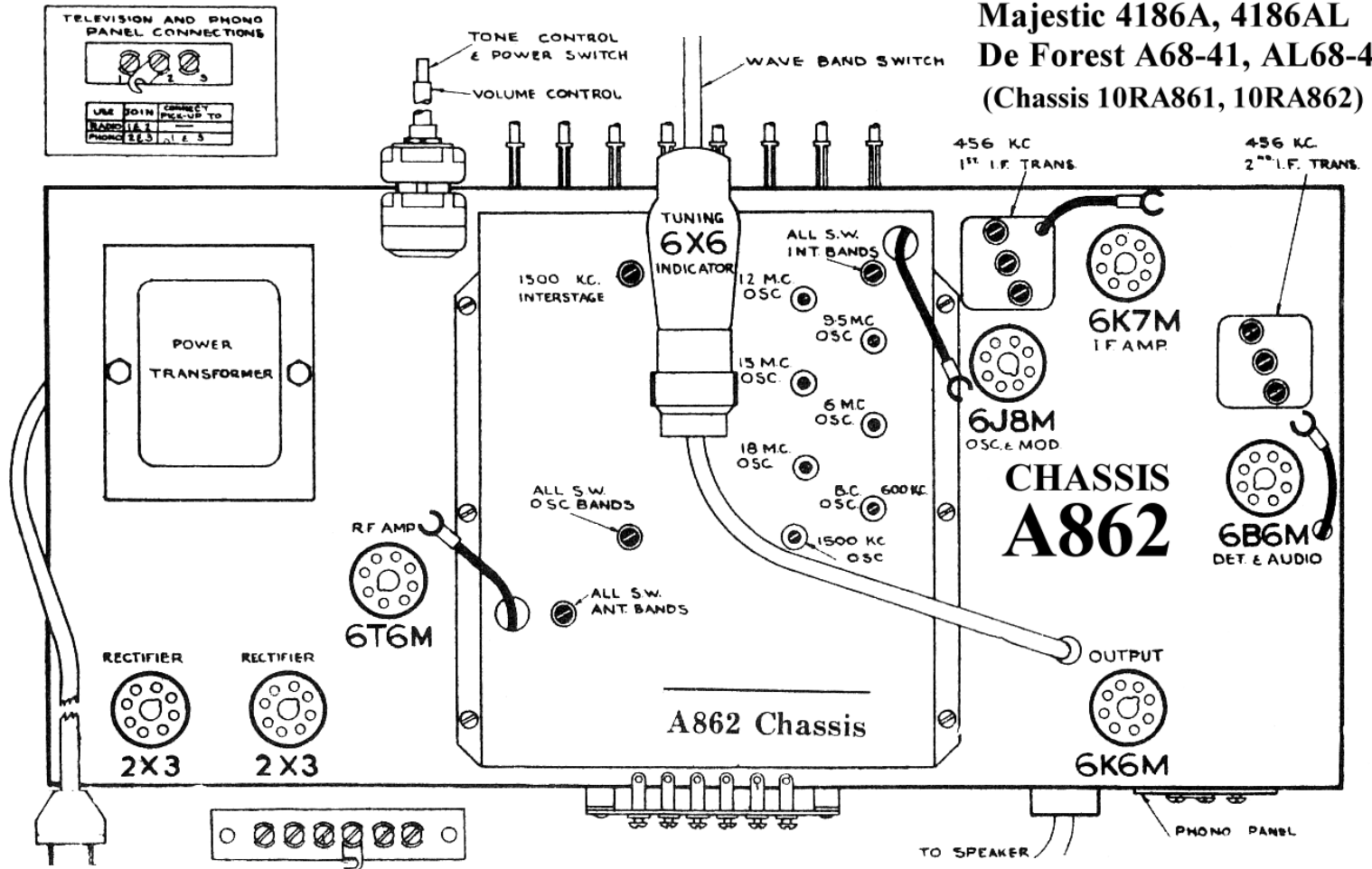
C 4	1500	antenna coil
C 5	1500	antenna band
C 6	1500	antenna band
C 7	1500	antenna band
C 8	1500	antenna band
C 9	1500	antenna band
C 10	1500	antenna band
C 11	1500	antenna band
C 12	1500	antenna band
C 13	1500	antenna band
C 14	1500	antenna band
C 15	1500	antenna band
C 16	1500	antenna band
C 17	1500	antenna band
C 18	1500	antenna band
C 19	1500	antenna band
C 20	1500	antenna band



Rogers 15-86A, 15-86AL Majestic 4186A, 4186AL De Forest A68-41, AL68-41 (Chassis 10RA861, 10RA862)



Rogers 15-86A, 15-86AL
Majestic 4186A, 4186AL
De Forest A68-41, AL68-41
(Chassis 10RA861, 10RA862)



Rogers 15-86A, 15-86AL Majestic 4186A, 4186AL De Forest A68-41, AL68-41
(Chassis 10RA861, 10RA862)

INTERMEDIATE FREQUENCY & BROADCAST BAND

A861, A961, A1061

Operation	Connect Generator	Set Generator Tuning	Set Receiver Tuning	Dummy Antenna	Vol. Cont.	Adjust	Remarks
1	To Grid Cap of 6J8M Tube	456 kcs.	700-800 kcs.	.1 mfd.	Max.	C10, C11, C12, C13, C14	To peak I.F.
2	To antenna	1600 kcs.	1600 kcs.	.0002 mfd.	Max.	C8	To peak Osc.
3	To antenna	1600 kcs.	1600 kcs.	.0002 mfd.	Max.	C6	To peak I.S.
4	To antenna	1600 kcs.	1600 kcs.	.0002 mfd.	Max.	C4	To peak Ant.
5*	To antenna	600 kcs.	600 kcs.	.0002 mfd.	Max.	T5	To track Osc.
6	To antenna	1600 kcs.	1600 kcs.	.0002 mfd.	Max.	C8, C6, C4	To recheck adjust.

A862

Operation	Connect Generator	Set Generator Tuning	Set Receiver Tuning	Dummy Antenna	Vol. Cont.	Adjust	Remarks
1	To Grid Cap of 6J8M Tube	456 kcs.	700-800 kcs.	.1 mfd.	Max.	C10, C11, C12, C13, C14	To peak I.F.
2	See note †	1500 kcs.	1500 kcs.	.0002 mfd.	Max.	C8	To peak Osc.
3	See note †	1500 kcs.	1500 kcs.	.0002 mfd.	Max.	C6	To peak I.S.
4	See note †	1500 kcs.	1500 kcs.	.0002 mfd.	Max.	C4	To peak Ant.
5*	See note †	600 kcs.	600 kcs.	.0002 mfd.	Max.	T5	To peak Osc.
6	See note †	1500 kcs.	1500 kcs.	.0002 mfd.	Max.	C8, C6, C4	To recheck adjust.

† Arrange generator leads in proximity to loop antenna in cabinet, being careful the position of the loop and leads does not vary, otherwise there will be a variation on the output meter. As an alternative, the generator may be connected to post number 1, through a dummy antenna of a 200 mmfd. mica condenser and the ground connected to terminal number 3.

† When the receiver is moderately well aligned, adjust the generator attenuator to zero. If a signal is still heard, the position of the signal generator should be turned at an angle until the minimum pick-up is obtained.

*Rock tuning control during this adjustment.

A861, A862, A961, A1061
SHORT-WAVE SPREAD-BAND

The most satisfactory method of aligning and checking the spread-band ranges is through the use of actual short-wave stations of known frequencies, which are tuned in on a specific receiver band and deviations from calibration noted.

When using a signal generator allow it to operate until it stops drifting. Check its calibration against known stations at or near the aligning frequencies shown.

Operation	Connect Generator	Generator Tuning	Receiver Tuning	Dummy Antenna	Adjust	Lineal Deviation
1	Antenna	17.8 mcs.	17.8 mcs.	400 ohms	C9	+ 1/8"
2	Antenna	6.1 mcs.	6.1 mcs.	400 ohms	T6	+ 1/8"
3	Antenna	9.6 mcs.	9.6 mcs.	400 ohms	T7	+ 1/8"
4	Antenna	11.8 mcs.	11.8 mcs.	400 ohms	T8	+ 1/8"
5	Antenna	15.2 mcs.	15.2 mcs.	400 ohms	T9	+ 1/8"
6	Antenna	17.8 mcs.	17.8 mcs.	400 ohms	T10	+ 1/8"
7	Antenna	For maximum sensitivity in the middle of the 18 mc. band		400 ohms	C7	
8	Antenna			400 ohms	C5	

NOTE: Use only a visual output indicator during alignment. Keep the generator output low—only sufficient to give a readable indication.

The dummy antenna must be non-inductive, preferably that using isolantite sleeve and metal ends.