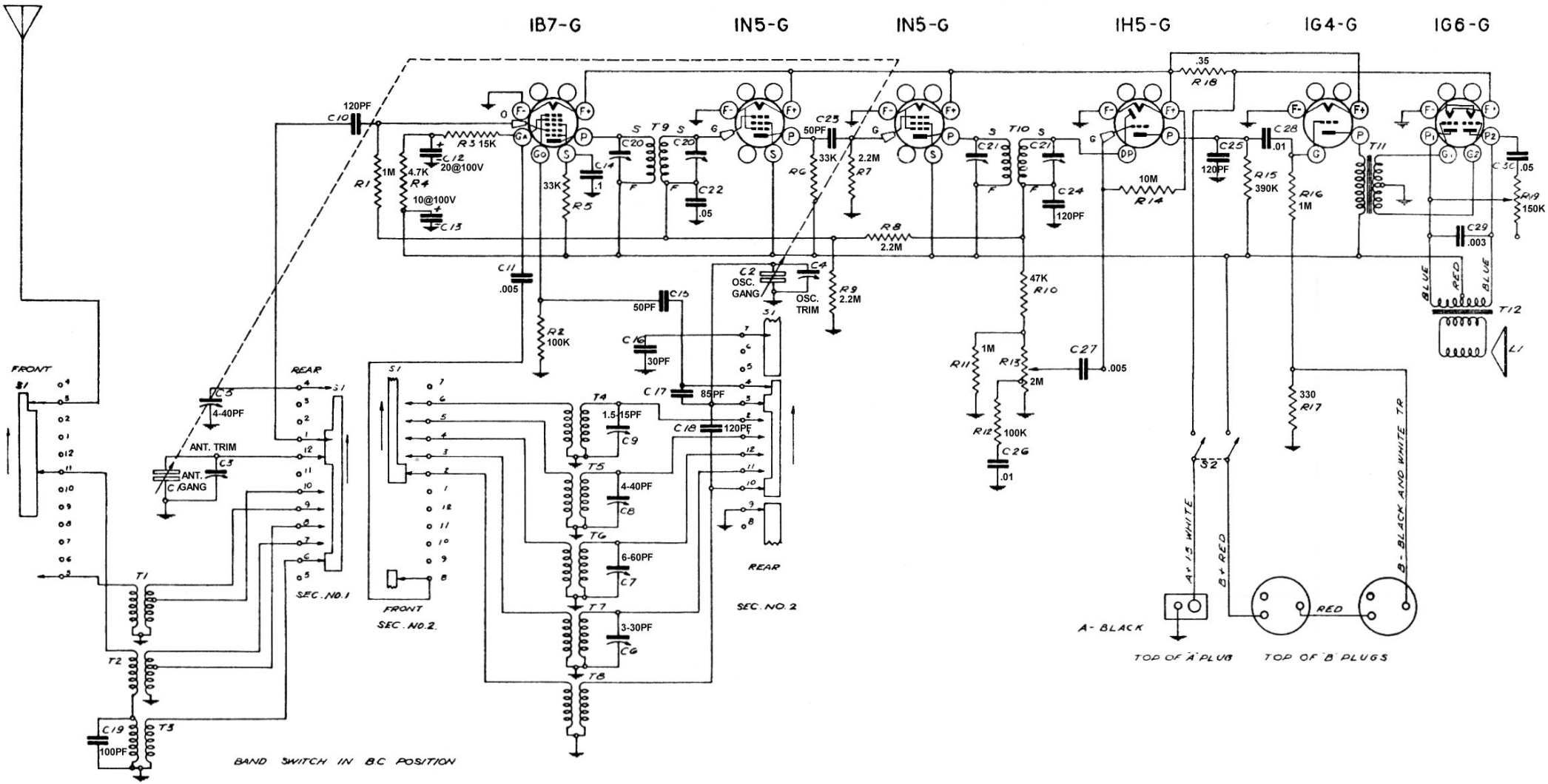
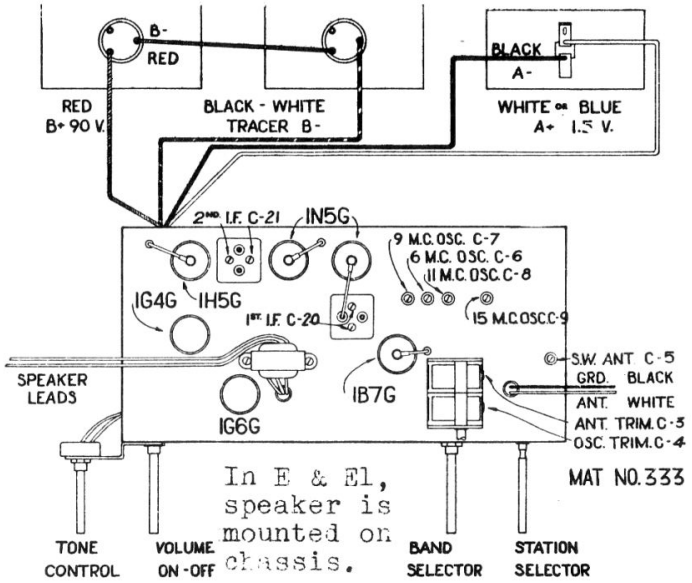


Pnonola - Electrohome 1B65-P, 1B65-P-1, 1B65-E & 1B65-E-1

RCC - Phonola Data Sheet 158 - 1941-42

ALIGNMENT AND CALIBRATION

Band	Band Switch Setting	Dummy Antenna	Connect Generator To	Radio Dial Setting	Generator Frequeqcy	Trimmer Adjusted	Adjustment	Note
2nd I.F.	B.C.	.1 Mfd.	Grid of I.N.5.G. I.F. Tube	1650 K.C.	455 K.C.	2nd I.F. C-21	Maximum Output	
1st I.F.	B.C.	.1 Mfd.	Grid of I.B.7.G. Convertor	1650 K.C.	455 K.C.	1st I.F. C-20	Maximum Output	
1460 K.C.	B.C.	200 Mmfd.	Antenna	1460 K.C.	1460 K.C.	B.C. Osc. C-4 B.C. Ant. C-3	Maximum Output	
600 K.C.	B.C.	200 Mmfd.	Antenna	600 K.C.	600 K.C.	Check Only	Check Only	
49 Meters	S.W.	250 Ohm	Antenna	6.10 M.C.	6.10 M.C.	S.W. Osc. C-6 S.W. Ant. C-5	Maximum Output	Refer to Note 1
31 Meters	S.W.	250 Ohm	Antenna	9.55 M.C.	9.55 M.C.	S.W. Osc. C-7 S.W. Ant. C-5	Maximum Output	Refer to Note 1
25 Meters	S.W.	250 Ohm	Antenna	11.85 M.C.	11.85 M.C.	S.W. Osc. C-8 S.W. Ant. C-5	Maximum Output	Refer to Note 1
19 Meters	S.W.	250 Ohm	Antenna	15.25 M.C.	15.25 M.C.	S.W. Osc. C-9 S.W. Ant. C-5	Maximum Output	Refer to Note 1



Band Spread Alignment

These receivers are carefully aligned and calibrated at the factory, with precision instruments. If realignment is necessary the following equipment is required:

(1) A dependable Output Meter.
(2) A signal Generator to supply, with accuracy the following frequencies:

(a) Intermediate Frequency: 455 K.C.

(b) Broadcast Band: 600 K.C., 950 K.C., 1460 K.C.

(c) 49 Meter Band: 5.95 M.C., 6.05 M.C., 6.10 M.C., 6.15 M.C., 6.25 M.C.

Read Instructions For Aligning The Bandspread Bands.

(d) 31 Meter Band: 9.55 M.C.

(e) 25 Meter Band: 11.8 M.C.

(f) 19 Meter Band: 15.3 M.C.

THE BANDSPREAD BANDS

These circuits have stabilized adjustments, that have been accurately set at the factory. UNLESS TAMPERING IS EVIDENT, IT IS STRONGLY RECOMMENDED THAT RE-ADJUSTMENT BE AVOIDED. However, if alignment is absolutely necessary the following instructions must be very carefully followed: Special care is to be taken to assure accuracy of the Signal Generator frequencies used. The best method is to check with broadcasting stations of known frequencies.

6 MEGACYCLE BAND

Set the Signal Generator and Dial Pointer to 6.15 M.C. and adjust the 6 M.C. Oscillator Trimmer C13 and 6 M.C. Antenna Trimmer C6 for maximum output. Refer to note No. 2.

9 MEGACYCLE BAND

Set the Signal Generator and Dial Pointer to 9.55 M.C. and adjust the 9 M.C. Oscillator Trimmer C12 and 9 M.C. Antenna Trimmer C5 for maximum ouput. Refer to note No. 2.

11 MEGACYCLE BAND

Set the Signal Generator and Dial Pointer to 11.8 M.C. and adjust the 11 M.C. Oscillator Trimmer C11 and 11 M.C. Antenna Trimmer C7 for maximum output. Refer to note No. 2.

15 MEGACYCLE BAND

Set the Signal Generator and Dial Pointer to 15.3 M.C. and adjust the 15 Megacycle Oscillator Trimmer C10 and 15 M.C. Antenna Trimmer C4 for maximum output. Refer to note No. 2.

Note 1—When aligning oscillator section at high frequencies, care should be taken that the receiver is not adjusted to an image frequency in place of the fundamental. The fundamental will be obtained at minimum trimmer capacity.

Note 2—When aligning antenna trimmer at high frequencies, rock gang condenser back and forth to obtain maximum peak.

Electrohome 1B65-P, 1B65-P-1, 1B65-E & 1B65-E-1