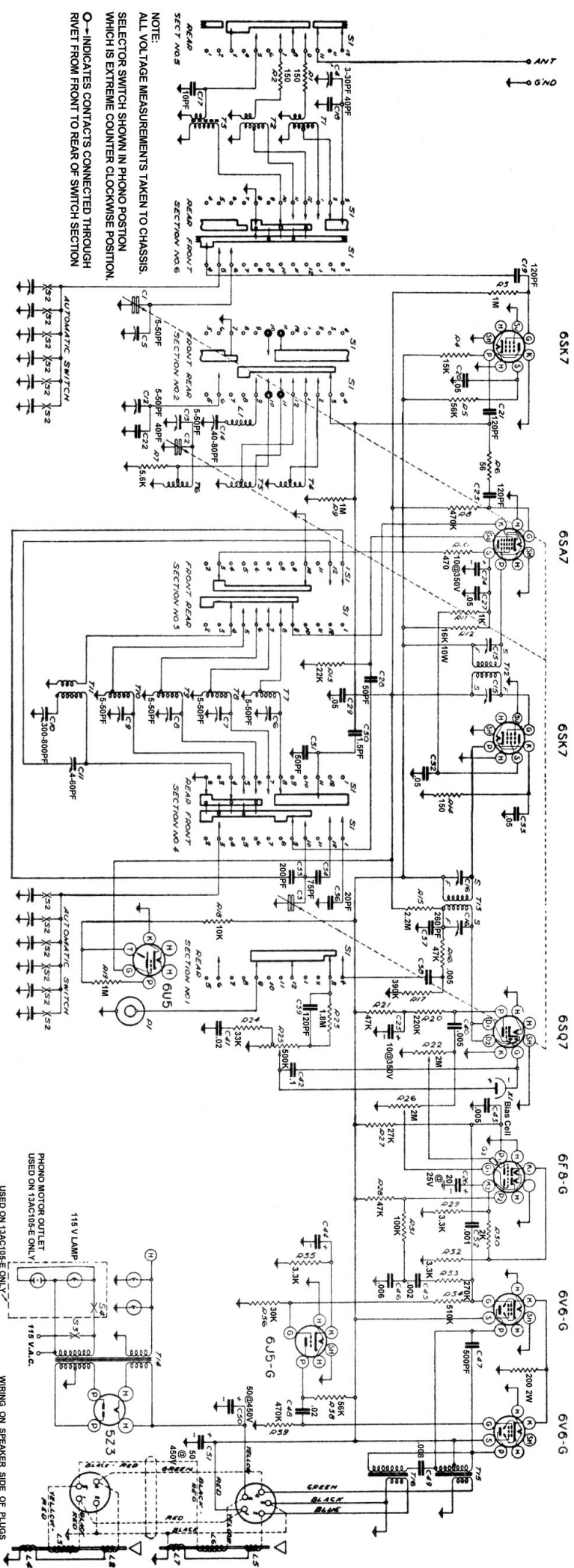




Phonola - Electrohome Z/13A105-E, Z/13AC105-E & Z/13AC105-E-1

ALIGNMENT AND CALIBRATION

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 Bandsread 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 C9 and B.S. Trimmers C4 and C12 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 C8 and B.S. Trimmers C4 and C12 for maximum output. 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 C7 and B.S. Trimmers C4 and C12 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 C6 and B.S. Trimmers C4 and C12 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

13A105-E

Z13A105-E

13AC105-E

Z13AC105-E

Z13AC105-E-1

Band	Band Switch Setting	Dummy Antenna	Connect Generator To	Radio Dial Setting	Generator Frequency	Trimmer Adjusted	Adjustment
2nd I.F.	B.C.	.1 Mfd.	Grid of 6S.K-7 I.F. Tube	1650 K.C.	455 K.C.	2nd I.F. C-16	Maximum Output
1st I.F.	B.C.	.1 Mfd.	Grid of 6S.A-7 Tube	1650 K.C.	455 K.C.	1st I.F. C-15	Maximum Output
1460 K.C.	B.C.	75 Mmfd.	Antenna	1460 K.C.	1460 K.C.	B.C. Osc. C-11 B.C. Int. C-13 B.C. Ant. C-5	Maximum Output
600 K.C.	B.C.	75 Mmfd.	Antenna	600 K.C.	600 K.C.	B.C. Padder C-10	Maximum Output
49 Meters	S.W.	250 Ohm	Antenna	6.10 M.C.	6.10 M.C.	6M.C. Osc. C-9 B.S. Int. C-12 B.S. Ant. C-4	Maximum Output
31 Meters	S.W.	250 Ohm	Antenna	9.55 M.C.	9.55 M.C.	9M.C. Osc. C-8	Maximum Output
25 Meters	S.W.	250 Ohm	Antenna	11.85 M.C.	11.85 M.C.	11 M.C. Osc. C-7	Maximum Output
19 Meters	S.W.	250 Ohm	Antenna	15.25 M.C.	15.25 M.C.	15 M.C. Osc. C-6	Maximum Output
Wave Trap	B.C.	75 Mmfd.	Antenna	535 K.C.	455 K.C.	Wave Trap Trimmer C-14	Minimum Output

