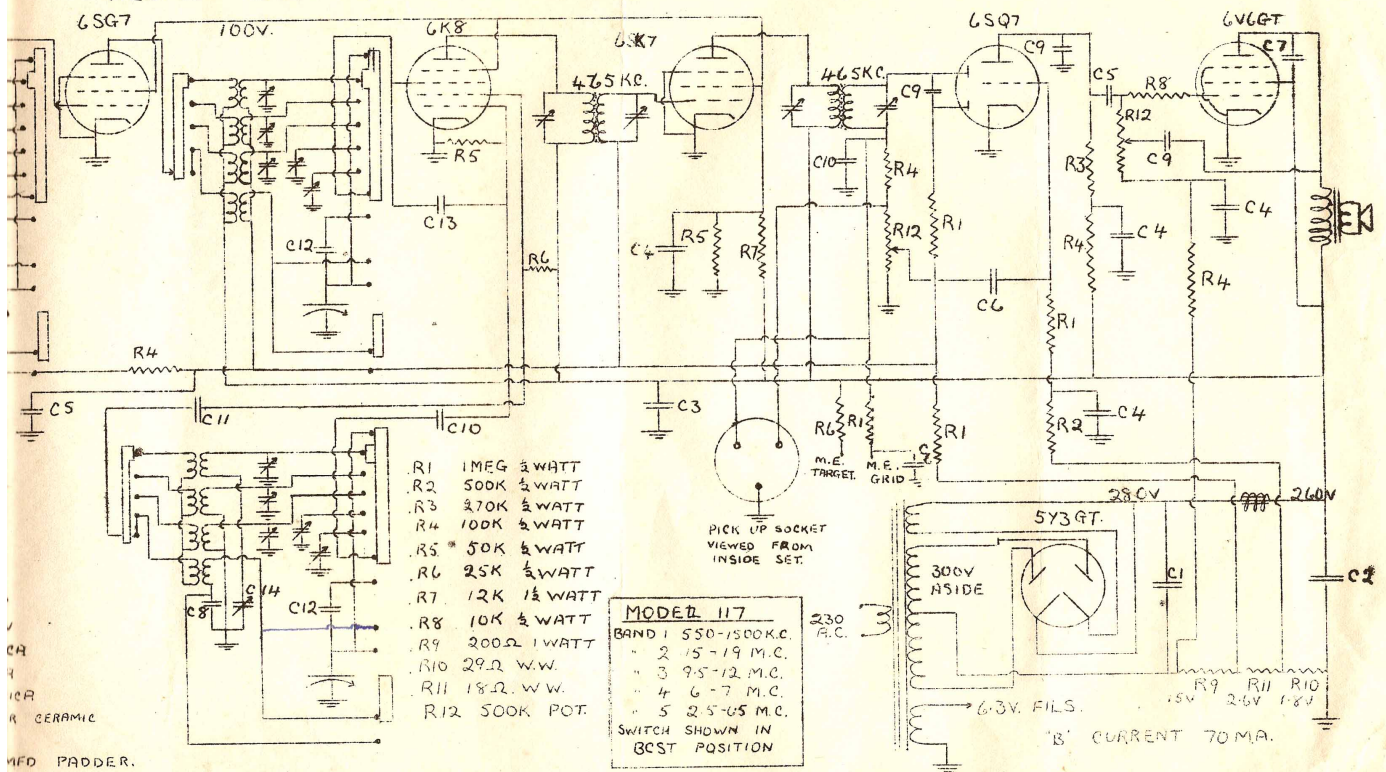
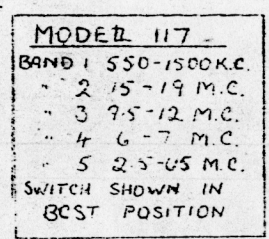


WESTCO MODEL 117 7 TUBE BANDSPREAD

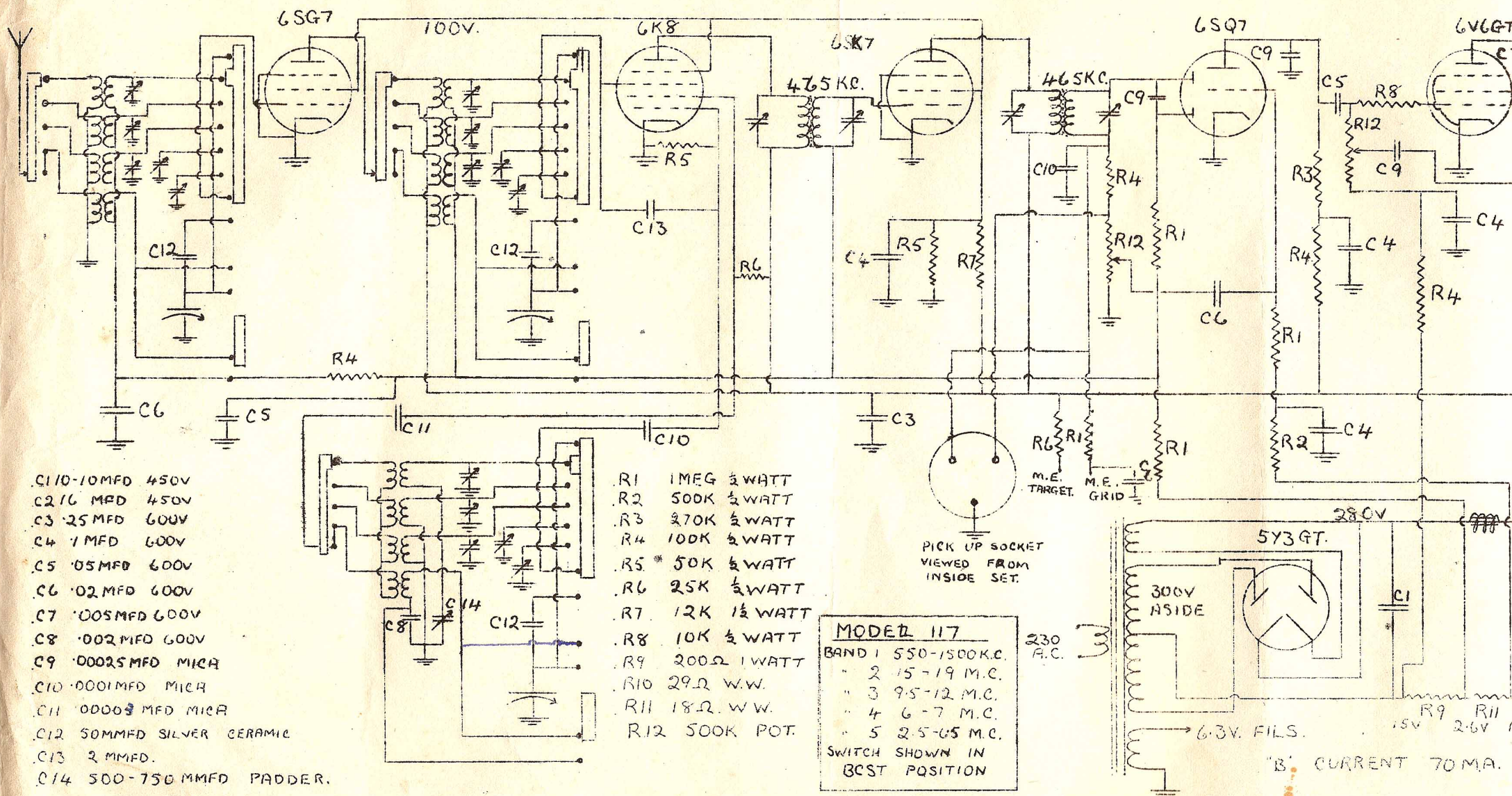


6SG7



- C110-10MFD 450V
C216 MFD 450V
C3-25MFD 600V
C4 1MFD 600V
C5 .05MFD 600V
C6 .02MFD 600V
C7 .005MFD 600V
C8 .002MFD 600V
C9 .00025MFD MICR
C10 .0001MFD MICR
C11 .00005 MFD MICR
C12 50MMFD SILVER CERAMIC
C13 2MMFD.
C14 500-750MMFD PADDER.

WESTCO MODEL 117 7 TUBE BANDSPREAD



	FRONT OF SET				
	15 MC. 14 MC.	9.5 MC. TO 12 MC.	6 MC. TO 7.75 MC.	2.5 MC. TO 6.5 MC.	BCST.
ANT SECTION	T15 ⊗	T12 ⊗	T9 ⊗	T6 ⊗	T3 ⊗
R.F. SECTION	T14 ⊗	T11 ⊗	T8 ⊗	T5 ⊗	T2 ⊗
OSC. SECTION.	T13 ⊗	T10 ⊗	T7 ⊗	T4 ⊗	T1 ⊗

ALIGNMENT INSTRUCTIONS FOR WESTCO MODEL 117 RECEIVER

This receiver is a 7-Tube Bandsread Superheterodyne, with Electron Ray Tuning indicator. The tube layout is as follows: 6SG7, R.F. Amplifier; 6K8, Converter; 6SK7, Intermediate Frequency Amplifier; 6SQ7, Second Detector, and first audio amplifier; 6V6GT, Beam Power Output; 5Y3G, Rectifier; 6U5/G5, Tuning Indicator.

The tuning ranges consist of a conventional broadcast band from 550 K.C. to 1500 K.C.; a short wave band from 2.5 M.C. to 6.5 M.C.; plus three spread short-wave bands, the coverage of which are; - (1) 6 M.C. to 7.75 M.C.; (2) 9.5 M.C. to 12.0 M.C.; (3) 15 M.C. to 19 M.C.

All voltage and circuit constants are shown in the schematic diagram.

The sequence of the alignment procedure must be followed as shown.

To align the I.F. transformers, connect a 30% modulated signal generator, set at 465 K.C. to the grid of the 6K8 tube, and connect a suitable output meter to the loud-speaker voice coil. Stop the receiver oscillator. The trimmers on the I.F. transformers, can then be adjusted for maximum response on the meter.

Broadcast Band (550 K.C. to 1500 K.C.) Position (1).

- (1) Set signal generator at 600 K.C. and adjust padding condenser for maximum response at that point on dial.
- (2) Set signal generator at 1400 K.C., tune set to 1400 K.C., and adjust trimmer T1 to maximum response.
- (3) Adjust T2 and T3 for maximum response.
- (4) Repeat above procedure, two or three times.

2.5 M.C. to 6.5 M.C. Band. Position (5).

Set signal generator and receiver dial to 6.0 M.C. and adjust trimmer T4 for maximum response, then adjust trimmers T5 and T6 for maximum response.

n.b. Trimmers T4, T7, T10 and T13 must be adjusted to the response found when the trimmer is in the out position, (if two responses are found). Trimmers T5, T8, T11, T14, T6, T9, T12 and T15 must be adjusted on the inner position, if two responses are found.

(Trimmers T3, T11 and T14 are normally in a "slack" position).

6.0 M.C. to 7.75 M.C. Band. Position (4).

- (1) Set signal generator and receiver dial to 7.0 M.C. and adjust T7 for maximum response.
- (2) Adjust trimmers T8 and T9 for maximum response.
- (3) Recheck.

9.5 M.C. to 12.0 M.C. Band. Position (3).

- (1) Set signal generator and receiver dial to 11.5 M.C. and adjust T10 for maximum response.
- (2) Adjust T11 and T12 for maximum response.
- (3) Recheck.

15 M.C. to 19 M.C. Band. Position (2).

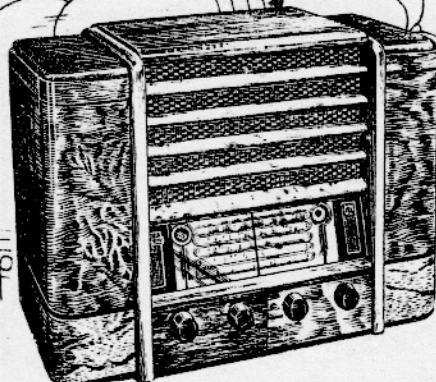
- (1) Set signal generator and receiver dial to 18.0 M.C. and adjust T13 for maximum response.
- (2) Adjust T14 and T15 for maximum response.
- (3) Recheck.

The VOICE OF TO-MORROW

Mechanical barriers between you and the rest of the world melt away as you listen to the new Model 117 radio . . . the Voice of Tomorrow is with you in your home. The tonal beauty of reproduction is matched by the perfection of fine craftsmanship and attractiveness of design.

The cabinet of walnut veneer, polished to a piano finish, is an attractive adjunct to the finest furniture. An ample baffle area provides a quality of speech and music unsurpassed. Full vision bandspread dial scale ensures easy tuning of "hard-to-get" overseas stations.

- Bandspread Tuning 16 to 100 Metres
- 8" Permanent Magnet Speaker
- New Type Slide-Rule Dial
- Magic Eye Tuning



Model 117. 7v A.C., 230v. bandspread.
Size 22" x 11" x 16½"

A WESTCO Product

