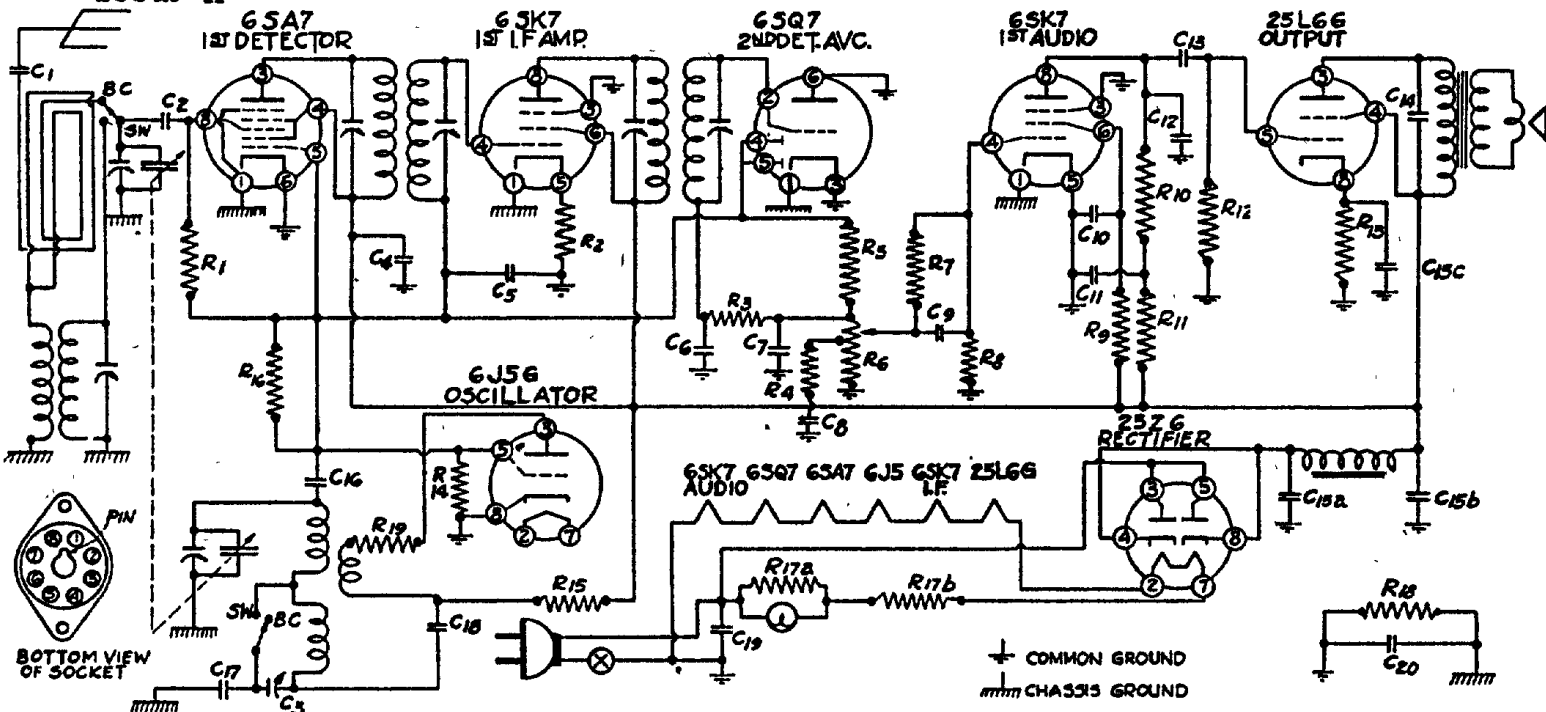


Issue A



RESISTORS					
No.	Ohms	Watts	No.	Ohms	Watts
R1	500,000	1/4	R11	50,000	1/4
R2	100	1/4	R12	500,000	1/4
R3	50,000	1/4	R13	200—10%	1/4
R4	8,000	1/4	R14	20,000	1/4
R5	2,000,000	V.C.	R15	5,000	1/4
R6	500,000	1/4	R16	10,000,000	1/4
R7	1,000,000	1/4	R17a	30—10%	3
R8	1,000,000	1/4	R17b	106—10%	9
R9	1,000,000	1/4	R18	150,000	1/4
R10	200,000	1/4	R19	200	1/4

CONDENSERS					
No.	Capacity (Mfd.)	Volts	No.	Capacity (Mfd.)	Volts
C1	.001	600	C12	.0005	Mica
C2	.0001	Mica	C13	.01	400
C3	.00035 to .0006	Pad	C14	.02	400
C4	.1	200	C15a	30.	150
C5	.05	200	C15b	30.	150
C6	.0001	Mica	C15c	20.	25
C7	.00025	Mica	C16	.00005	Mica
C8	.05	200	C17	.003—5%	Mica
C9	.01	400	C18	.005	400
C10	.1	200	C19	.05	400
C11	.1	200	C20	.2	200

ALIGNMENT PROCEDURE

- Volume control—Maximum all adjustments.
- Connect radio chassis to ground post of signal generator with a short heavy lead.
- Connect dummy antenna value in series with generator output lead.
- Connect output meter across primary of output transformer.
- Allow chassis and signal generator to "heat up" for several minutes.

The following equipment is required for aligning:

- An all wave signal generator which will provide an accurately calibrated signal at the test frequencies as listed.
- Output indicating meter.
- Non-metallic screwdriver.
- Dummy antennas—.1 mfd., 200 mmf., 400 ohms.

BAND	SIGNAL Frequency Setting	GENERATOR Dummy Antenna	Connection to Radio	Variable Condenser Setting	Trimmers Adjusted (In Order Shown)	Trimmer Function	Adjustment
I. F.	455 KC.	.1 Mfd.	Grid of 6SK7 I.F. tube	Rotor full open (Plates out of mesh)	Two trimmers on top (See Fig. 1)	Output I. F.	Adjust to maximum output
	455 KC.	.1 Mfd.	Grid of 6SA7 tube	Rotor full open (Plates out of mesh)	Two trimmers on top (See Fig. 1)	Input I. F.	Adjust to maximum output
BROAD-CAST	1,630 KC.	200 Mmf.	Antenna lead	Rotor full open (Plates out of mesh)	Trimmer—Top of left section of gang (See Fig. 1)	Oscillator	Adjust to maximum output
	1,400 KC.	200 Mmf.	Antenna lead	Set dial at 1400 KC.	Trimmer—Top of right section of gang (See Fig. 1)	Broadcast Antenna	Adjust to maximum output
	600 KC.	200 Mmf.	Antenna lead	Set dial at 600 KC.	Trimmer—Right top chassis nearest gang (See Fig. 1)	Oscillator Series Pad	Adjust to maximum rock dial See Note 'A'
SHORT WAVE	16,000 KC.	400 ohms	Antenna lead	Tune signal	Trimmer—Top of chassis nearest right side (See Fig. 1)	Short Wave Antenna	Adjust to maximum output

Note "A"—Turn the dial back and forth slightly (rock) and adjust trimmer until the peak of intensity is obtained. Attenuate the signal from the signal generator to prevent the leveling-off action of the A.V.C. Do not bend variable condenser to correct tracking.

Frequency Range — 535 to 1630 and 5,450 to 17,100 K.C.
Power output 1 watt undistorted — 1.7 watts maximum.
Intermediate Frequency 455 KC.
Power Consumption—55 watts.