



TYPE CIRCUIT: Universal 5 valve Broadcast Superhetrodyne using A.V.C.

POWER SUPPLY: A.C. or D.C. 200v to 260v.

VALVES USED: 1 type 6A7 Detector Oscillator. 1 type 78 I.F. 1 type 75 2nd Detector and 1st A.F. 1 type 18 output. 1 type 25Y5 half wave rectifier.

PROGRAM CONTROL: 4 position switch type.

INTERMEDIATE FREQUENCY: 460 K.C.

VALVE SOCKET VOLTAGES (Line Voltage 240A.C.)
Measured to Chassis.

VALVE	6A7	78	75	18	25Z5
	Det.	I.F.	2nd Det.	Output	Cathode
	Osc.		1st A.F.		
Point P.	190	190	90	180	to
S.G.	65	65	-	190	Chassis
K	2.3	2.3	1.5	13	

6A7 Oscillator Plate G2 = 110.

The above voltages were taken with a 1000 ohms. per volt meter using 500v and 10v scales, volume control at maximum and aerial shorted to earth NOT the chassis. Use Fig. 1 for test points.

PHILCO MODEL 68B.

TYPE CIRCUIT: Battery operated all wave 8 valve superhetrodyne using A.V.C.

VALVES USED: 1 type 34 R.F. 1 type 15 separator oscillator. 1 type 15 1st Detector. 1 type 34 1st I.F. 1 type 34 2nd I.F. 1 type 25S 2nd Detector 1st A.F. 1 type 30 driver. 1 type 19 "B class" output.

BATTERIES USED: 4-45v Superdyne "B" batteries. 1-2v 100 A.H. Accumulator.

WAVE BANDS: 3. 1. Standard Broadcast.
2. Intermediate Band.
3. Short Wave.

COVERAGE OF EACH

BAND: 1. 530 K.C. to 1750 K.C.
2. 1750 K.C. to 5.7 M.C.
3. 5.7 M.C. to 18 M.C.

INTERMEDIATE FREQUENCY: 460 K.C.

PHILCO MODEL 65U (and 65A)