

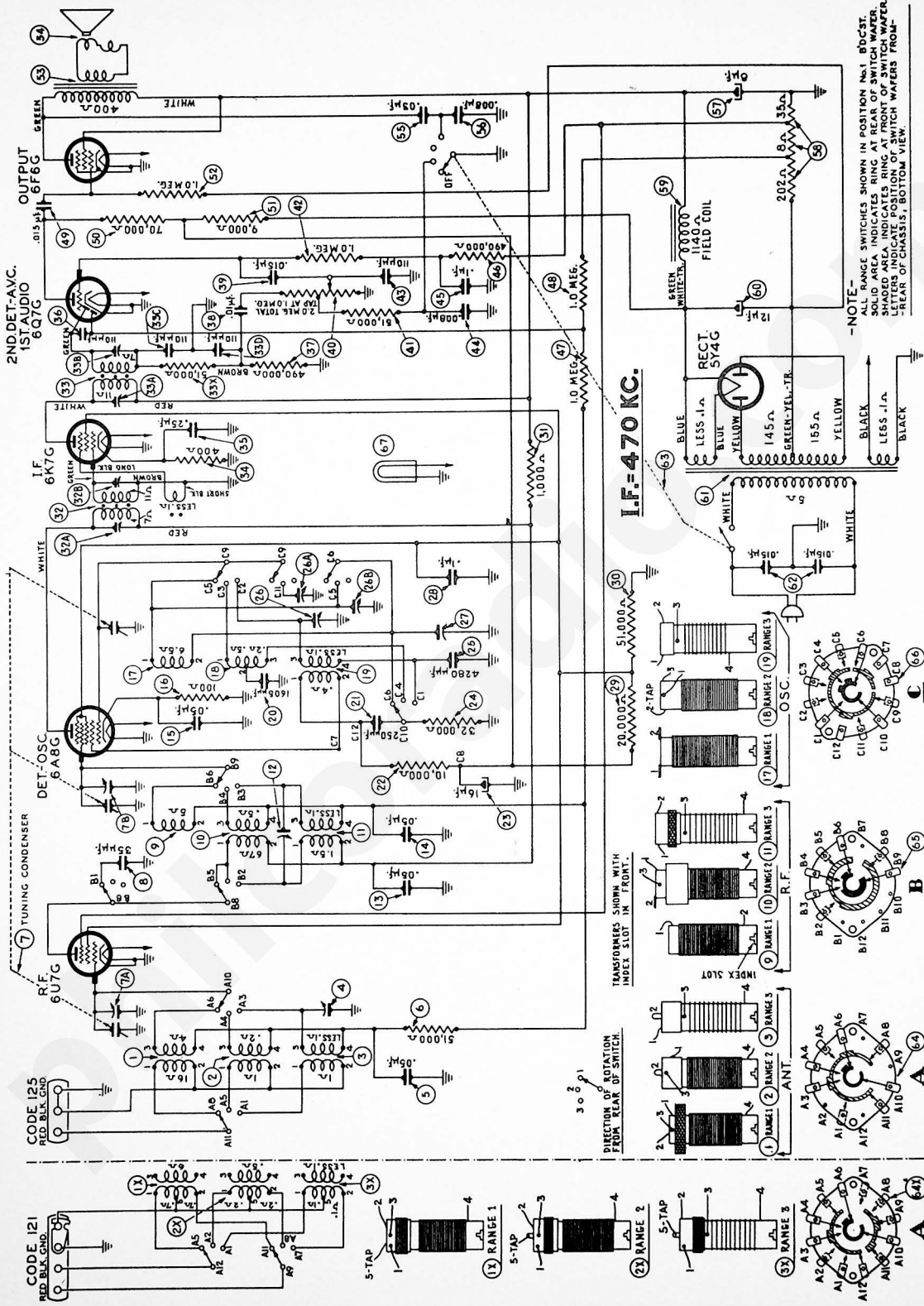
# PHILCO MODEL 38-620, CODE 121 and 125

## Replacement Parts and Schematic Diagram

Codes 121 and 125 Receivers differ only in the Antenna tuning section of the R. F. Unit.  
See Schematic Diagram, page 2.

All part numbers are for Codes 121 and 125 unless otherwise stated.

Schem. No.	Description	Part No.	List Price	Schem. No.	Description	Part No.	List Price
1	Antenna trans. Range 1 Code 125.....	32-2575	\$0.70	37	Resistor 490,000 ohms, ½ watt.....	33-449339	.20
1X	Antenna trans. Range 1 Code 121.....	32-2378	1.60	38	Condenser .01 mfd. tubular.....	30-4479	.20
2	Antenna trans. Range 2 Code 125.....	32-2576	.70	39	Condenser .015 mfd. tubular.....	30-4358	.20
2X	Antenna trans. Range 2 Code 121.....	32-2381	1.20	40	Volume control.....	33-5158	1.00
3	Antenna trans. Range 3 Code 125.....	32-2573	.70	41	Resistor 51,000 ohms, ½ watt.....	33-351339	.20
3X	Antenna trans. Range 3 Code 121.....	32-2384	1.20	42	Resistor 1.0 meg., ½ watt.....	33-510339	.20
4	Compensator.....	31-6161	.30	43	Condenser 110 mmfd. mica.....	30-1031	.20
5	Condenser .05 mfd. tubular.....	30-4444	.20	44	Condenser .008 mfd. tubular.....	30-4112	.20
6	Resistor 51,000 ohms, ½ watt.....	33-351339	.20	45	Condenser .1 mfd. tubular.....	30-4122	.20
7	Tuning condenser.....	31-1966	4.75	46	Resistor 490,000 ohms, ½ watt.....	33-449339	.20
8	Condenser 35 mmfd. mica.....	30-1044	.20	47	Resistor 1.0 meg.....	33-510339	.20
9	R. F. trans. Range 1.....	32-2379	.40	48	Resistor 1.0 meg.....	33-510339	.20
10	R. F. trans. Range 2.....	32-2382	1.00	49	Condenser .015 mfd. tubular.....	30-4226	.20
11	R. F. trans. Range 3.....	32-2385	1.20	50	Resistor 70,000 ohms, ½ watt.....	33-370339	.20
12	Compensator.....	31-6204	.....	51	Resistor 9000 ohms, 2 watts.....	33-290539	.30
13	Condenser .05 mfd. tubular.....	30-4123	.20	52	Resistor 1.0 meg., ½ watt.....	33-510339	.20
14	Condenser .05 mfd. tubular.....	30-4020	.20	53	Output trans. (S7 speaker).....	32-7019	.85
15	Condenser .05 mfd. tubular.....	30-4020	.20	54	Cone and voice coil.....	36-3157	1.00
16	Resistor 100 ohms, ½ watt.....	33-110339	.20	55	Condenser .03 mfd. bakelite.....	8328 SU	.35
17	Osc. trans. Range 1.....	32-2380	.50	56	Condenser .008 mfd. tubular.....	30-4317	.25
18	Osc. trans. Range 2.....	32-2383	.70	57	Condenser 8 mfd. electrolytic.....	30-2211	1.00
19	Osc. trans. Range 3.....	32-2386	.70	58	Resistor 202-8-35 ohms.....	33-3316	.35
20	Condenser 1605 mmfd. mica.....	31-6155	.40	59	Field coil assembly (S7).....	36-3341	.....
21	Condenser 250 mmfd. mica.....	30-1032	.25	60	Condenser 12 mfd. electrolytic.....	30-2210	1.20
22	Resistor 10,000 ohms, ½ watt.....	33-310339	.20	61	Power trans. (115v, 50-60 cyc.).....	32-7583	4.50
23	Condenser 16 mfd. electrolytic.....	30-2212	1.05		Power trans. (115v, 25-40 cyc.).....	32-7584	6.50
24	Resistor 32,000 ohms, ½ watt.....	33-332339	.20		Power trans. (110v-220v) 50-60 cycles.....	32-7585	6.50
25	Condenser 4280 mfd. mica.....	31-6156	.60	62	Condenser .015 -.015 mfd.....	3793 DG	.40
26	Compensator (3 sections).....	31-6171	.75	63	Power and tone switch.....	42-1182	.75
27	Compensator.....	31-6056	.55	64X	Ant. wave switch, Code 121.....	42-1170	1.10
28	Condenser .1 mfd. tubular.....	30-4455	.25	64	Ant. wave switch, Code 125.....	42-1374	.....
29	Resistor 20,000 ohms, 1 watt.....	33-320439	.20	65	R. F. wave switch.....	43-1314	.75
30	Resistor 51,000 ohms, 1 watt.....	33-351439	.20	66	Osc. wave switch.....	42-1290	.75
31	Resistor 1000 ohms, ½ watt.....	33-210339	.20	67	Pilot lamp.....	34-2039	.09
32	1st I. F. transformer.....	32-2580	2.20		Bezel (Dial).....	40-6118	.....
33	2nd I. F. transformer.....	32-2582	2.20		Bezel Gasket.....	27-8311	.....
33X	Resistor 51,000 ohms, ½ watt.....	33-351339	.20		Bezel Glass.....	27-8298	.....
34	Resistor 400 ohms, ½ watt.....	33-1211	.20		Bezel Ring.....	28-5078	.....
35	Condenser .25 mfd. tubular.....	30-4446	.25		Dial Scale (Codes 121 & 125).....	27-5285	.....
36	Condenser 110 mmfd. mica.....	30-1031	.20				

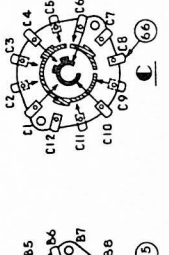


I.F. = 470 KC.

-NOTE-  
 ALL RANGE SWITCHES SHOWN IN POSITION N1, B0C3T.  
 SOLID AREA INDICATES RING AT REAR OF SWITCH WATER.  
 SHADED AREA INDICATES RING AT FRONT OF SWITCH WATER.  
 LIGHTER AREA INDICATES POSITION OF SWITCH WAFERS FROM  
 REAR OF CHASSIS, BOTTOM VIEW.

TRANSFORMERS SHOWN WITH  
 INDEX SLOT IN FRONT.

DIRECTION OF ROTATION  
 FROM REAR OF SWITCH.



MODEL 38-620 CODES 121 & 125

CODES 121 & 125 DIFFER ONLY IN  
 ANTENNA SECTION AS SHOWN ABOVE.