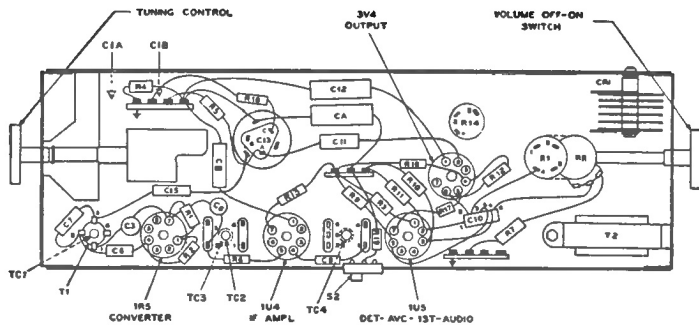


PHILCO PORTABLE RADIO MODEL C-661

MODEL C-662



MODEL C-662

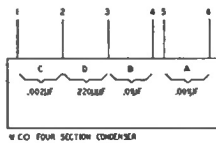
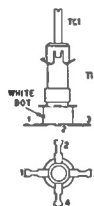
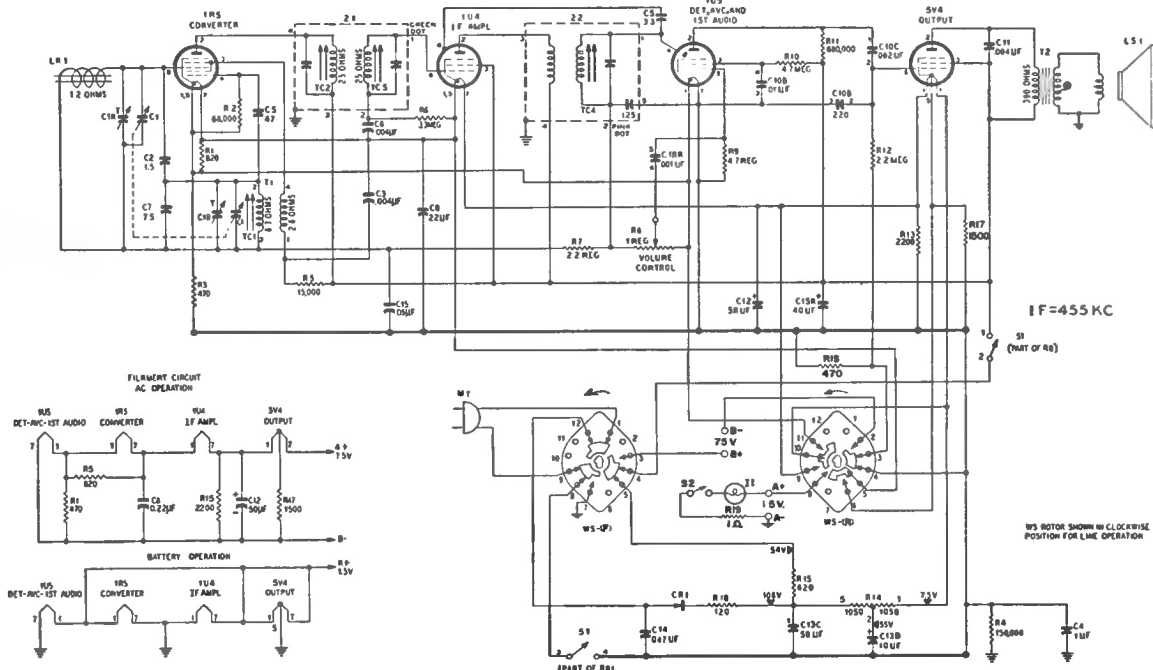


ALIGNMENT CHART

STEP	SIGNAL GENERATOR		RADIO		ADJUST
	CONNECTION TO RADIO	DIAL SETTING	DIAL SETTING	SPECIAL INSTRUCTIONS	
1	Connect signal generator through a .1-uf. condenser to pin 6 (converter grid) of 1R5.	455 kc.	Tuning gang fully open.	Adjust for maximum output in order given.	TC4—2nd i-f sec. TC2—1st i-f pri. TC3—1st i-f sec.
2	Use radiating loop. (See NOTE 1 below.)	1620 kc.	1620 kc. (mark on extreme right.)	Adjust for maximum output.	C1B—osc. trimmer
3	Same as step 2.	1400 kc.	1400 kc. (second mark from right.)	Adjust for maximum output.	C1A—antenna trimmer
4	Same as step 2.	600 kc.	600 kc. (See NOTE 2 below.)	Adjust for maximum output. Rock tuning gang while making this adjustment.	TC1—osc. core
5	Repeat steps 2, 3, and 4 until no further improvement is obtained.				

NOTE 1. Use a 6-to-8-turn, 6-inch-diameter loop made up of insulated wire. Connect to generator terminals, and place about one foot from radio loop.

NOTE 2. The tuning condenser can be set to the proper frequency by turning it until the dial pointer coincides with the respective marks on the dial hackplate.



TUBE SOCKET VOLTAGES									
	1R5	1U4	1U5	3V4					
B	RT	OSC	PLATE	SCREEN	SCREEN	SCREEN	SCREEN	SCREEN	SCREEN
PLATE	2	2	2	2	2	2	2	2	2
SCREEN	1	1	1	1	1	1	1	1	1
GRID	3	3	3	3	3	3	3	3	3
CONTROL	4	4	4	4	4	4	4	4	4
W	5	5	5	5	5	5	5	5	5
W	6	6	6	6	6	6	6	6	6
W	7	7	7	7	7	7	7	7	7
W	8	8	8	8	8	8	8	8	8
W	9	9	9	9	9	9	9	9	9
W	10	10	10	10	10	10	10	10	10
W	11	11	11	11	11	11	11	11	11
W	12	12	12	12	12	12	12	12	12
W	13	13	13	13	13	13	13	13	13
W	14	14	14	14	14	14	14	14	14
W	15	15	15	15	15	15	15	15	15
W	16	16	16	16	16	16	16	16	16
W	17	17	17	17	17	17	17	17	17
W	18	18	18	18	18	18	18	18	18
W	19	19	19	19	19	19	19	19	19
W	20	20	20	20	20	20	20	20	20
W	21	21	21	21	21	21	21	21	21
W	22	22	22	22	22	22	22	22	22
W	23	23	23	23	23	23	23	23	23
W	24	24	24	24	24	24	24	24	24
W	25	25	25	25	25	25	25	25	25
W	26	26	26	26	26	26	26	26	26
W	27	27	27	27	27	27	27	27	27
W	28	28	28	28	28	28	28	28	28
W	29	29	29	29	29	29	29	29	29
W	30	30	30	30	30	30	30	30	30
W	31	31	31	31	31	31	31	31	31
W	32	32	32	32	32	32	32	32	32
W	33	33	33	33	33	33	33	33	33
W	34	34	34	34	34	34	34	34	34
W	35	35	35	35	35	35	35	35	35
W	36	36	36	36	36	36	36	36	36
W	37	37	37	37	37	37	37	37	37
W	38	38	38	38	38	38	38	38	38
W	39	39	39	39	39	39	39	39	39
W	40	40	40	40	40	40	40	40	40
W	41	41	41	41	41	41	41	41	41
W	42	42	42	42	42	42	42	42	42
W	43	43	43	43	43	43	43	43	43
W	44	44	44	44	44	44	44	44	44
W	45	45	45	45	45	45	45	45	45
W	46	46	46	46	46	46	46	46	46
W	47	47	47	47	47	47	47	47	47
W	48	48	48	48	48	48	48	48	48
W	49	49	49	49	49	49	49	49	49
W	50	50	50	50	50	50	50	50	50
W	51	51	51	51	51	51	51	51	51
W	52	52	52	52	52	52	52	52	52
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W	54	54	54	54	54	54	54	54	54
W	55	55	55	55	55	55	55	55	55
W	56	56	56	56	56	56	56	56	56
W	57	57	57	57	57	57	57	57	57
W	58	58	58	58	58	58	58	58	58
W	59	59	59	59	59	59	59	59	59
W	60	60	60	60	60	60	60	60	60
W	61	61	61	61	61	61	61	61	61
W	62	62	62	62	62	62	62	62	62
W	63	63	63	63	63	63	63	63	63
W	64	64	64	64	64	64	64	64	64
W	65	65	65	65	65	65	65	65	65
W	66	66	66	66	66	66	66	66	66
W	67	67	67	67	67	67	67	67	67
W	68	68	68	68	68	68	68	68	68
W	69	69	69	69	69	69	69	69	69
W	70	70	70	70	70	70	70	70	70
W	71	71	71	71	71	71	71	71	71
W	72	72	72	72	72	72	72	72	72
W	73	73	73	73	73	73	73	73	73
W	74	74	74	74	74	74	74	74	74
W	75	75	75	75	75	75	75	75	75
W	76	76	76	76	76	76	76	76	76
W	77	77	77	77	77	77	77	77	77
W	78	78	78	78	78	78	78	78	78
W	79	79	79	79	79	79	79	79	79
W	80	80	80	80	80	80	80	80	80
W	81	81	81	81	81	81	81	81	81
W	82	82	82	82	82	82	82	82	82
W	83	83	83	83	83	83	83	83	83
W	84	84	84	84	84	84	84	84	84
W	85	85	85	85	85	85	85	85	85
W	86	86	86	86	86	86	86	86	86
W	87	87	87	87	87	87	87	87	87
W	88	88	88	88	88	88	88	88	88
W	89	89	89	89	89	89	89	89	89
W	90	90	90	90	90	90	90	90	90
W	91	91	91	91	91	91	91	91	91
W	92	92	92	92	92	92	92	92	92
W	93	93	93	93	93	93	93	93	93
W	94	94	94	94	94	94	94	94	94
W	95	95	95	95	95	95	95	95	95
W	96	96	96	96	96	96	96	96	96
W	97	97	97	97	97	97	97	97	97
W	98	98	98	98	98	98	98	98	98
W	99	99	99	99	99	99	99	99	99
W	100	100	100	100	100	100	100	100	100

NOTES:
ALL RESISTOR VALUES IN OHMS AND ALL CAPACITOR VALUES IN MICROFARADS UNLESS OTHERWISE MARKED.
VOLTAGES MEASURED WITH A 20,000 OHMS-PER-VOLT METER FROM POINTS INDICATED TO R.

SPECIFICATIONS
CABINET — PLASTIC PORTABLE
CIRCUIT — FOUR TUBE SUPERHETERODYNE (PLUS SELENIUM RECTIFIER)
AUDIO OUTPUT — 180 MILLIWATTS
BATTERY OPERATION — 85 MILLIWATTS
OPERATING VOLTAGE — 317 VOLTS, A.C. OR D.C.
POWER CONSUMPTION — 15-VOLT "B" BATTERY AND 75-VOLT "B" BATTERY
A.C. OR D.C. OPERATION — 11 WATTS
INTERNAL FREQUENCY — 10 MA FROM 75 VOLT "B" BATTERY
ANTENNA — 240 MA FROM 15 VOLT "B" BATTERY
MAGNETIC HIGH IMPEDANCE LOOP
355 KC
1R5 CONVERTER, 1U4 IF AMPLIFIER, 1U5 DETECTOR A.V.C. 1ST AUDIO, 3V4 OUTPUT
BATTERY TYPE — P1A "B" BATTERY (2077 "B" BATTERIES)