

Philco Radio & Television Corp.

	Model: 926	Chassis:	Year: Pre October 1938
	Power:	Circuit:	IF:
	Tubes:		
	Bands:		
Resources			
Riders Volume 9 - PHILCO 9-29			
Riders Volume 9 - PHILCO 9-30			

PHILCO RADIO & TELEV. CORP.

MODEL 926
Schematic
Chassis, Parts

MARCH 1, 1938

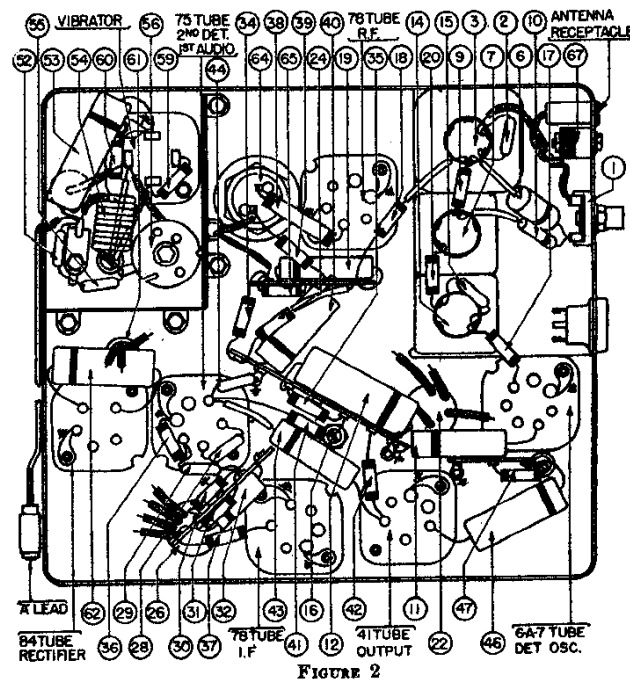
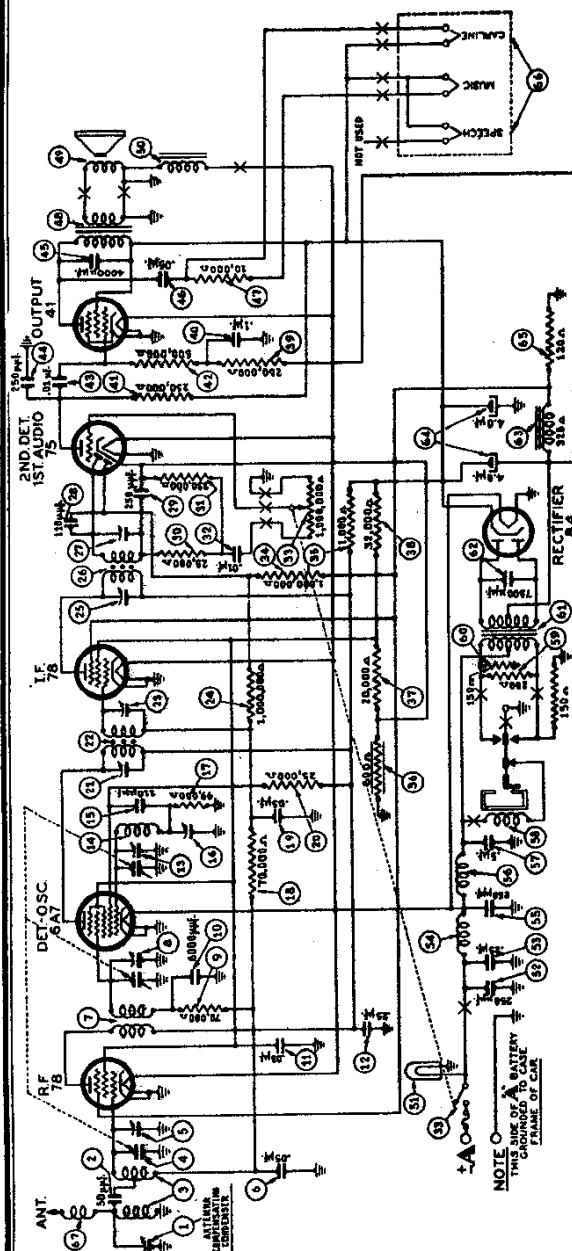


FIGURE 1

FIGURE 2

I.F. = 260 K.C.

MODEL 926 PARTS LIST

No.	Description	Part No.	No.	Description	Part No.
1	Antenna Compensating	31-6248	30	Resistor (250,000 ohms)	33-424344
2	Condenser (50 mmfd.)	30-1101	31	Resistor (500,000 ohms)	33-449344
3	Condenser (.01 mfd.)	30-1101	32	Condenser (.01 mfd.)	30-4145
4	Antenna Transformer	32-2945	33	Condensers (250 mmfd.)	30-1032
5	Tuning Condenser	31-2238	34	Condensers (4,000 mmfd.)	30-4185
6	First Padder (on Tun. Cond.)	30-4444	35	Condensers (.05 mfd.)	30-4454
7	Condenser (.05 mfd.)	30-4444	36	Resistor (10,000 ohms)	33-310344
8	R. F. Transformer	32-2946	37	Output Transformer	32-7958
9	Second Padder (on Tun. Cond.)	30-4444	38	Cone and Voice Coil	45-2808
10	Resistor (70,000 ohms)	33-370344	39	Field Coil Assembly	32-9283
11	Condenser (6000 mmfd.)	30-4467	40	Pilot Lamp	34-2040
12	Condenser (.05 mfd.)	30-4020	41	Condenser (250 mmfd.)	30-1032
13	Condenser (.25 mfd.)	30-4448	42	Condenser (.25 mfd.)	30-4448
14	Third Padder (on Tun. Cond.)	30-4444	43	"A" Choke	32-1874
15	Oscillator Transformer	32-2947	44	Condenser (250 mmfd.)	30-1032
16	Condenser (110 mmfd.)	30-1031	45	Vibrator Choke	32-2911
17	Low Frequency Padder	31-6220	46	Condenser (.5 mfd.)	30-4474
18	Resistor (99,000 ohms)	33-399344	47	Vibrator (200 ohm)	41-3170-3
19	Resistor (70,000 ohms)	33-370344	48	Resistor (200 ohm)	33-120344
20	Condenser (.05 mfd.)	30-4020	49	Resistor (150 ohms)	33-115344
21	Resistor (25,000 ohms)	33-325344	50	Power Transformer	32-7958
22	Padder (Pri. 1st. I. F. Trans.)	30-4444	51	Condenser (7500 mmfd.)	30-4587
23	First I. F. Transformer	32-3013	52	Filter Choke	32-7959
24	Padder (Sec. 2nd I. F. Trans.)	30-4444	53	Filter Condenser (4-4 mfd.)	30-2315
25	Resistor (1,000,000 ohms)	33-510344	54	Resistor (120 ohms)	33-112344
26	Padder (Pri. 2nd I. F. Trans.)	30-4444	55	Reception Control	42-5850
27	Second I. F. Transformer	32-3014	56	Antenna Choke	32-1958
28	Padder (Sec. 2nd I. F. Trans.)	30-4444	57	Complete Control	42-5840
29	Condenser (110 mmfd.)	30-1031	58	Tuning Shaft	28-8871
30	Condenser (250 mmfd.)	30-1032	59	Tuning and Volume Knob	27-4725
31	Resistor (25,000 ohms)	33-325344	60	"Carline" Knob	27-4731
32	Resistor (330,000 ohms)	33-433344	61	"Music" Knob	27-4732
33	Condenser (.01 mfd.)	30-4479	62	"Speech" Knob	27-4733
34	Volume Control (1,000,000 ohms)	33-5268	63	Dial	27-5399
35	and "On-Off" Switch	33-5268	64	Fuse	7227
36	Resistor (1,000,000 ohms)	33-510344	65	Fuse Insulator	27-7729
37	Resistor (1,000 ohms)	33-210344	66	Distributor Resistor	33-1198
38	Resistor (600 ohms)	33-160331	67	Interference Condenser	30-4007
39	Resistor (20,000 ohms)	33-320344	68	"T" Bolt	28-6161
40	Resistor (32,000 ohms)	33-332444	69	Washer	W-2606
41	Resistor (250,000 ohms)	33-424344	70	Nut	W-518
42	Condenser (.1 mfd.)	30-4122			

MODEL 926 Socket, Trimmers Alignment

PHILCO RADIO & TELEV. CORP. MODELS 926, 927, 928K Standard Controls Details, Parts

STANDARD CONTROL MODELS 926 - 927 - 928K

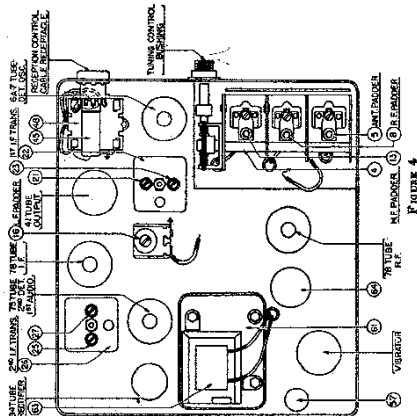


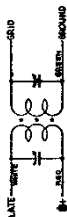
FIGURE 3

I. F. TRANSFORMERS AND PADDERS

The I. F. transformer are assembled complete with padding condensers.

Both the primary and the secondary padders are placed side by side in the top of the transformer shield can. The adjusting screws are accessible thru the holes in the top of the shield. (See Figure 4).

The coil windings terminate in leads instead of terminals or lugs. The color scheme of the leads is given in Figure 3.



If replacements are ever necessary, replace the entire coil assembly, 28-9018, for the first I. F. stage and 28-9014 for the second I. F. stage. Neither the coil nor the padders will be furnished separately. Order only by the above numbers.

MODEL 926 ADJUSTMENTS

All padding adjustments are carefully made at the factory and ordinarily no readjustments are necessary. However, when readjustments are required, the procedure given below must be followed in detail.

Equipment — Fully charged heavy duty storage battery or 6-volt power pack, 048A or 099 Philco Set Tester, 8164 Padding wrench, 27-7159 Padding screw driver.

General — The output meter must be connected by means of an adapter to the plate of the type 41 output tube and to the Radio chassis.

With the Radio and signal generator set up for operation at the prescribed frequency, turn the Radio volume control on full and set the signal generator attenuator so that a half scale reading is obtained on the output meter. The signal in the speaker should be audible but not loud.

The shielding on the signal generator output lead must be connected to the Radio housing.

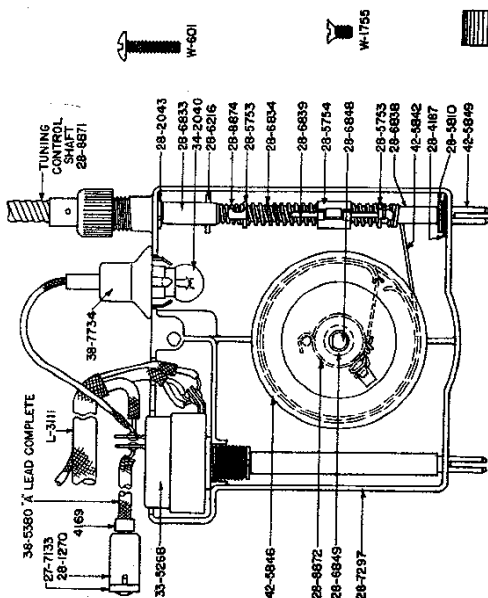
OPERATION	SIGNAL GENERATOR	BURRY CAPACITY	SPECIAL INSTRUCTIONS	ADJUST PADDERS
1	240 K. C.	To grid of 6A7 Tube	No Antenna Connection	② ③ ④
2	1500 K. C.	.1 Mfd. Condenser in Series with Generator	Turn Tuning Condenser Plates Out of Mesh as Far as They Will Go.	② ③ ④
3	800 K. C.	50 Mfd. See Note 1	Set Tuning Condenser at 90 K. C.	② ③ ④ Note 2
4	150 K. C.	50 Mfd. See Note 1	Turn Tuning Condenser Plates Out of Mesh as Far as They Will Go.	② ③ ④
5	1400 K. C.	50 Mfd. See Note 1	Set Tuning Condenser at 1400 K. C.	② ③ ④ Note 3
6	600 K. C.	Notes 4	Note 4	② ③ ④ Note 4

Make all adjustments for maximum reading on the output meter.

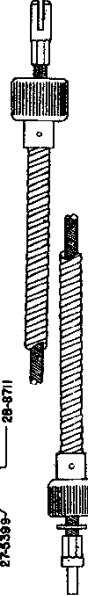
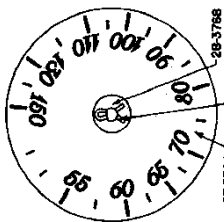
NOTE 1 — Connect the antenna lead, Part No. 41-3191, to the antenna receptacle in the radio. Connect a 50 Mmfd. Condenser in series with the signal generator and set the frequency padder. Tune the condenser to the signal and adjust the padder for maximum output. Repeat this procedure until no further improvement is noticed.

NOTE 2 — When the antenna stage adjustment is made with the Radio installed in the car, the Radio antenna lead must be connected to the car antenna in the usual manner. Connect the signal generator output lead to a wire placed near the car antenna but not connected to it.

NOTE 3 — When installing the Radio in a car, follow the installation instructions carefully. Tune in a weak broadcast signal at approximately 60 on the control scale. With a small screw driver adjust the antenna compensating condenser ① for the maximum signal.



MARCH 10, 1938



PARTS LIST

PART NUMBER	DESCRIPTION	PART NUMBER	DESCRIPTION
28-3093	Capacitor	28-3788	Knob
28-3788	Knob	28-3789	Shaft
28-3789	Shaft	28-3790	Washer
28-3790	Washer	28-3791	Washer
28-3791	Washer	28-3792	Washer
28-3792	Washer	28-3793	Washer
28-3793	Washer	28-3794	Washer
28-3794	Washer	28-3795	Washer
28-3795	Washer	28-3796	Washer
28-3796	Washer	28-3797	Washer
28-3797	Washer	28-3798	Washer
28-3798	Washer	28-3799	Washer
28-3799	Washer	28-3800	Washer
28-3800	Washer	28-3801	Washer
28-3801	Washer	28-3802	Washer
28-3802	Washer	28-3803	Washer
28-3803	Washer	28-3804	Washer
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28-3806	Washer	28-3807	Washer
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