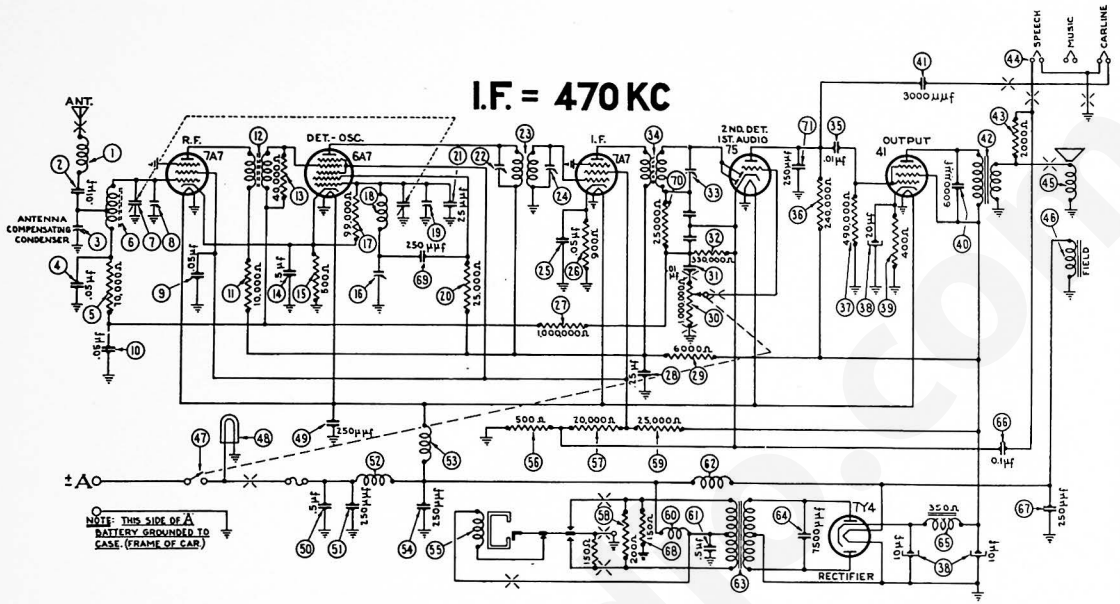

FIGURE 2

MODEL 936 PARTS LIST

No.	Description	Part No.
①	Antenna Choke	32-1956
②	Condenser (.01 mfd.)	30-4479
③	Antenna Compensator	31-6248
④	Condenser (.05 mfd.)	30-4444
⑤	Resistor (70,000 ohms)	33-370257
⑥	Antenna Transformer	65-0085
⑦	Tuning Condenser	63-0016
⑧	First Padder (on Tun. Cond.)	
⑨	Condenser (.05 mfd.)	30-4569
⑩	Condenser (.05 mfd.)	30-4444
⑪	Resistor (10,000 ohms)	33-310337
⑫	R. F. Transformer	65-0009
⑬	Resistor (40,000 ohms)	33-340237
⑭	Condenser (.5 mfd.)	30-4565
⑮	Resistor (500 ohms)	33-150438
⑯	Low Frequency Padder	31-6230
⑰	Resistor (99,000 ohms)	33-399337
⑱	Oscillator Transformer	65-0052
⑲	Second Padder (on Tun. Cond.)	
⑳	Resistor (25,000 ohms)	33-325337
㉑	Condenser (25 mmfd.)	30-1108
㉒	Padder (Pri. 1st I. F. Trans.)	
㉓	First I. F. Transformer	65-0044
㉔	Padder (Sec. 1st I. F. Trans.)	
㉕	Condenser (.05 mfd.)	30-4444
㉖	Resistor (900 ohms)	33-190438
㉗	Resistor (1,000,000 ohms)	33-510257
㉘	Condenser (.25 mfd.)	30-4448
㉙	Resistor (6,000 ohms)	33-260337
㉚	Vol. Control (1,000,000 ohms) and On-Off Switch	33-5268
㉛	Condenser (.01 mfd.)	61-0014
㉜	Resistor (330,000 ohms)	33-433337
㉝	Padder (Sec. 2nd I. F. Trans.)	
㉞	Second I. F. Transformer	65-0045
㉟	Condenser (.01 mfd.)	30-4501
㊱	Resistor (240,000 ohms)	33-424337
㊲	Resistor (490,000 ohms)	33-449337
㊳	Filter Condenser (10-10-20 mfd.)	61-0028
㊴	Resistor (400 ohms)	33-140438
㊵	Condenser (6,000 ohms)	30-4024
㊶	Condenser (3,000 mmfd.)	30-4469
㊷	Output Transformer	65-0048
㊸	Resistor (2,000 ohms)	33-220447
㊹	Reception Control	412-1004
㊺	Cone and Voice Coil Kit	91-0028
㊻	Field Coil	Not Replaceable
㊼	On-Off Switch and Vol. Control (1,000,000 ohms)	33-5268
㊽	Pilot Lamp	34-2040
㊾	Condenser (250 mmfd.)	61-0033
㊿	Condenser (.5 mfd.)	30-4474
(51)	Condenser (250 mmfd.)	61-0033
(52)	"A" Choke	65-0057
(53)	Filament Choke	65-0057
(54)	Condenser (250 mmfd.)	61-0033
(55)	Vibrator	41-3398
(56)	Resistor (500 ohms)	33-150438
(57)	Resistor (20,000 ohms)	33-320337
(58)	Resistor (200 ohms)	33-120347
(59)	Resistor (25,000 ohms)	33-325437
(60)	Vibrator Choke	32-2483
(61)	Condenser (.5 mfd.)	30-4565
(62)	Choke	32-1374
(63)	Power Transformer	65-0046
(64)	Condenser (7,500 mmfd.)	30-4567
(65)	Filter Choke	32-7959
(66)	Condenser (.01 mfd.)	30-4499
(67)	Condenser (250 mmfd.)	61-0033
(68)	Resistor (150 ohms)	33-115337
(69)	Condenser (250 mmfd.)	61-0034
(70)	Resistor (25,000 ohms)	33-325314
(71)	Condenser (250 mmfd.)	30-1032
	Control Unit	85-0058
	Dial	55-0304
	Tuning and Volume Knob	27-4725
	Distributor Resistor	33-1196
	Interference Condenser	30-4007
	Control Mtg. Bracket	28-5790

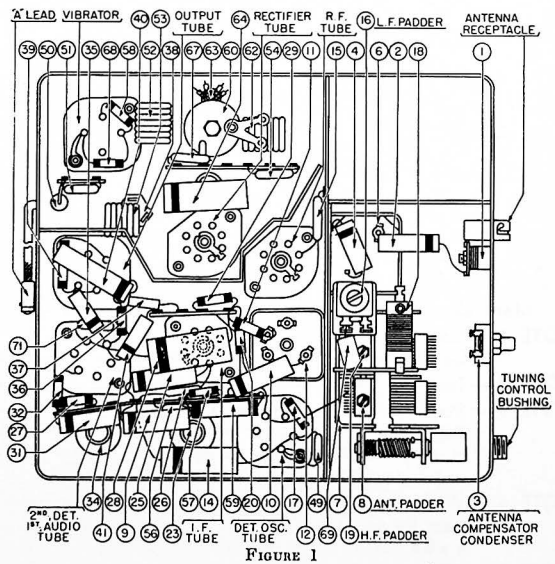

FIGURE 1

No.	Description	Part No.
	Reception Control Mtg. Bracket	28-5852
	Flexible Shaft	57-0631
	"T" Bolt	28-6161
	Nut	W518

MODEL 936 — 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 — Storage Battery (fully charged) or a 6 volt power pack. Signal Generator such as Philco Models 077 or 177. Vacuum Tube Voltmeter and Circuit Tester, Philco Model 027. In addition a padding screw driver, Philco Part No. 45-2610.

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 generator output lead must be connected to the Radio housing.

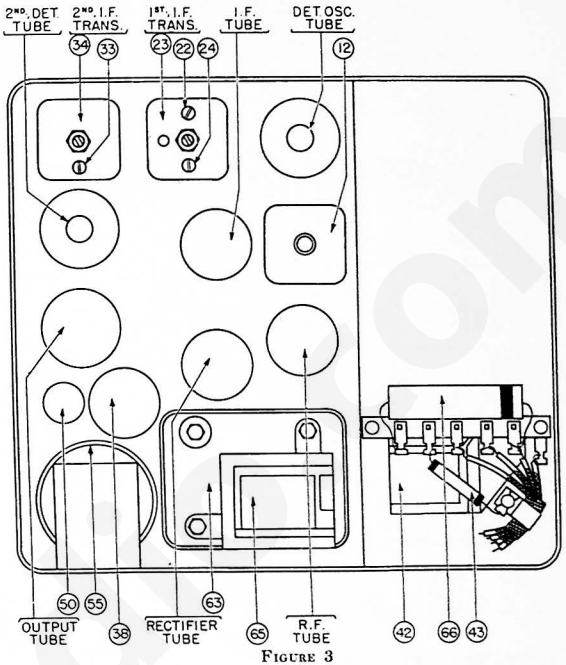

FIGURE 3

OPERATION	SIGNAL GENERATOR		DUMMY CAPACITY	SPECIAL INSTRUCTIONS	ADJUST PADDER
	FREQUENCY	CONNECTION			
1	ADJUST THE ANTENNA COMPENSATOR ③ TWO TURNS FROM TIGHT				
2	470 K.C.	To Grid of 6A7 Tube	.1 Mfd.	Turn Tuning Condenser Plates Out of Mesh as Far as They Will Go.	㉝ ㉔ ㉒
3	1580 K.C.	To Antenna Receptacle on Radio	See Note 1	Note 2	⑲
4	1400 K.C.	To Antenna Receptacle on Radio	See Note 1	Set Tuning Condenser at 1400 K.C.	⑧ Note 4
5	580 K.C.	To Antenna Receptacle on Radio	See Note 1	Set Tuning Condenser at 580 K.C.	⑯ Note 3
6	1580 K.C.	To Antenna Receptacle on Radio	See Note 1	Note 2	⑲
7	1400 K.C.	To Antenna Receptacle on Radio	See Note 1	Set Tuning Condenser at 1400 K.C.	⑧ Note 4
8	1200 to 1400 K.C.	Note 5	Note 5	Note 5	③

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 between the signal generator and the antenna lead.

NOTE 2 — Turn the condenser rotor plates completely out of mesh as far as they will go.

NOTE 3 — Rock the tuning condenser while adjusting the low frequency padder. Tune the condenser to the signal and adjust the padder for maximum output. Rotate the tuning condenser back and forth slightly for maximum output. Then readjust the padder for maximum output. Repeat this procedure until no further improvement is noticed.

NOTE 4 — 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 5 — When installing the radio in the car, follow the installation instructions carefully. Tune in a weak broadcast signal between 1200 and 1400 Kilocycles on the control scale. Remove the plug button on the end of the radio and adjust the antenna compensator ③ (See Figure 2) for maximum signal.