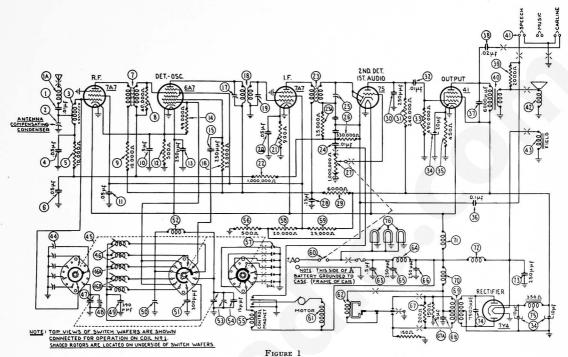
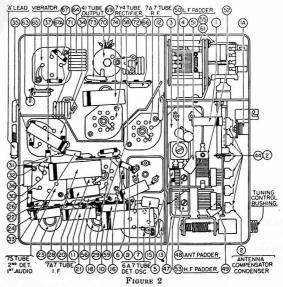
PHILCO AUTO RADIO Model 937



MODEL	937	PAPTC	LICT
MODEL	73/	PARIS	LISI

	MODEL 937
No.	Description Part No.
0	Condenser (.01 mfd.)30-4479
(i)a	Antenna Choke
1	Antenna Compensating
_	CondenserPart of 1
(1)	Antenna Transformer65-0085
•	Condenser (.05 mfd.)30-4444
ၜ	Resistor (70,000 ohms)33-370257
0	Condenser (.05 mfd.)30-4444
O	R. F. Transformer65-0009
⊚	Resistor (40,000 ohms)33-339137
ၜၟ	Resistor (10,000 ohms)33-310337
இ	Condenser (.5 mid.)30-4565
9	Condenser (.05 mfd.)30-4569 Resistor (500 ohms)33-150438
(3)	Condenser (250 mmfd.)61-0033
(1)	Resistor (99,000 ohms) 33-399337
8	Condenser (250 mmfd.)61-0033
<u>@</u>	Resistor (25,000 ohms)33-325337
6	Padder (Pri. 1st I. F. Trans.)
ĕ	First I. F. Transformer 65-0044
Ø	Padder (Sec. 1st I. F. Trans.)
(3)	Condenser (.05 mfd.)30-4444
(1)	Resistor (900 ohms)33-190438
佛佛像像有的物质的物质的自己的自己的自己的自己的	Resistor
_	(1,000,000 ohms)33-510257
9	Second I. F. Transformer 65-0045
⊕a	Resistor (25,000 ohms)33-325337
8	Condenser (.01 mfd.)61-0014 Padder (Sec. 2nd I. F. Trans.) Resistor (330,000 ohms) 33-433337 Vol. Control (1,000,000 ohms)
8	Parietor (320 000 obes) 22 422227
8	Vol. Control (1 000 000 chms)
•	and On-Off Switch33-5268
ക	Condenser (.25 mfd.)30-4448
89	Resistor (6,000 ohms)33-260337
60	Condenser (250 mmfd.)30-1032
88888	Resistor (240,000 ohms) 33-424337
€	Condenser (.01 mfd.)30-4501
3	Resistor (490,000 ohms) 33-449337
0	Filter Condenser
_	(10-10-20 mfd.)61-0028 Resistor (450 ohms)33-145337
છુ	Resistor (450 ohms)33-145337
-	Condenser (.1 mrd.)30-4499
2	Condenser (6,000 mmfd.)30-4024
2	Condenser (.02 mfd.)30-4495 Resistor (2,000 ohms)33-220447
•	Resistor (2,000 onms)33-220447

	1.10
DA	RTS LIST
FA	
No.	Description Part No.
10	Output Transformer65-0048
•	Reception and Push Button
	Control
•	Cone Kit91-0028
0	Field Coll Not Replaceable
•	
0	
0	(High Freq.)65-0088
0	Oscillator Transformer
66	(Med. Freq.)65-0089
191	Oscillator Transformer
	(Low Freq.)
(17)	Tuning Condenser63-0016
0	First Padder (on Tun. Cond.)
(9)	Silver Cap Condenser
~	Silver Cap Condenser (390 mmfd.)
(2)	Low Frequency Padder31-6230
3	Silver Cap Condenser
	(330 mmfd.)61-0003
9	Oscillator Transformer65-0052
(i)	Second Padder (on Tun. Cond.)
8888	Condenser (15 mmfd.)61-0038
છ	Motor and Relay Assembly 77-0178
8	Resistor (500 olims)33-150438
60	Push Button and
3	Reception Control Assembly 77-0179
8	Resistor (20,000 ohms)33-320337 Resistor (25,000 ohms)33-325437
8	On-Off Switch and Volume
69	Control (1,000,000 ohms) 33-5268
(61)	Motor
<u>a</u>	Vibrator 41.3308
<u>a</u>	Vibrator
8	"A" Choke 65-0057
ഒ	"A" Choke
60	Condenser (250 mmfd.)61-0033 Resistor (200 ohms)33-120347
<u></u>	Resistor (200 ohms)33-120347
60a	Resistor (150 ohms)33-115347
(Condenser (.5 mfd.)30-4565
6	Resistor (150 ohms)33-115347 Condenser (.5 mfd.)30-4565 Power Transformer65-0046
19	Vibrator (hoke
0	Filament Choke65-0057
@	Choke32-1374
0	Condenser (250 mmfd.)61-0033



F10	URE Z		
Description	No.	Description Bracket (Automatic Control Mig.) Distributor Resistor Interference Condenser Dial Tuning and Volume Kno	33-1196 30-4007 55-0304

PHILCO AUTO RADIO Model 937

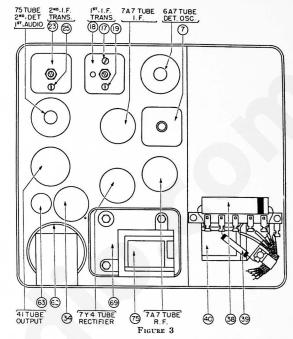
MODEL 937 — ADJUSTMENTS

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 philoo Models 077 or 177. Vacuum Tube Voltmeter and Circuit Tester, Philoo Model 027. In addition a padding screw driver, Philoo part No. 45-2810. 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.



OPERATION	SIGNAL GENERATOR				ADJUST	
	FREQUENCY	CONNECTION	DUMMY CAPACITY	SPECIAL INSTRUCTIONS	PADDER	
1	PRESS THE RETURN TO DIAL BUTTON UNTIL STATIONS CAN BE TUNED IN BY MANUAL TUNING. ADJUST THE ANTENNA COMPENSATOR 3 TWO TURNS FROM TIGHT					
2	470 K.C.	To Grid of 6A7 Tube	.I Mfd.	Turn Tuning Condenser Plates Out of Mesh as Far as They Will Go.	39 19 17	
3	1580 K.C.	To Antenna Receptacle on Radio	See Note I	Note 2	S39	
4	1400 K.C.	To Antenna Receptacle on Radio	See Note I	Set Tuning Condenser at 1400 K.C.	48 Note 4	
5	580 K.C.	To Antenna Receptacle on Radio	See Note I	Set Tuning Condenser at 580 K.C.	50 Note 3	
6	1580 K.C.	To Antenna Receptacle on Radio	See Note I	Note 2	83	
7	1400 K.C.	To Antenna Receptacle on Radio	See Note I	Set Tuning Condenser at 1400 K.C.	Note 4	
8	1200 to 1400 K.C.	Note 5	Note 5	Note 5	2	

Make all adjustments for maximum reading on the output meter.

NOTE I — 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.