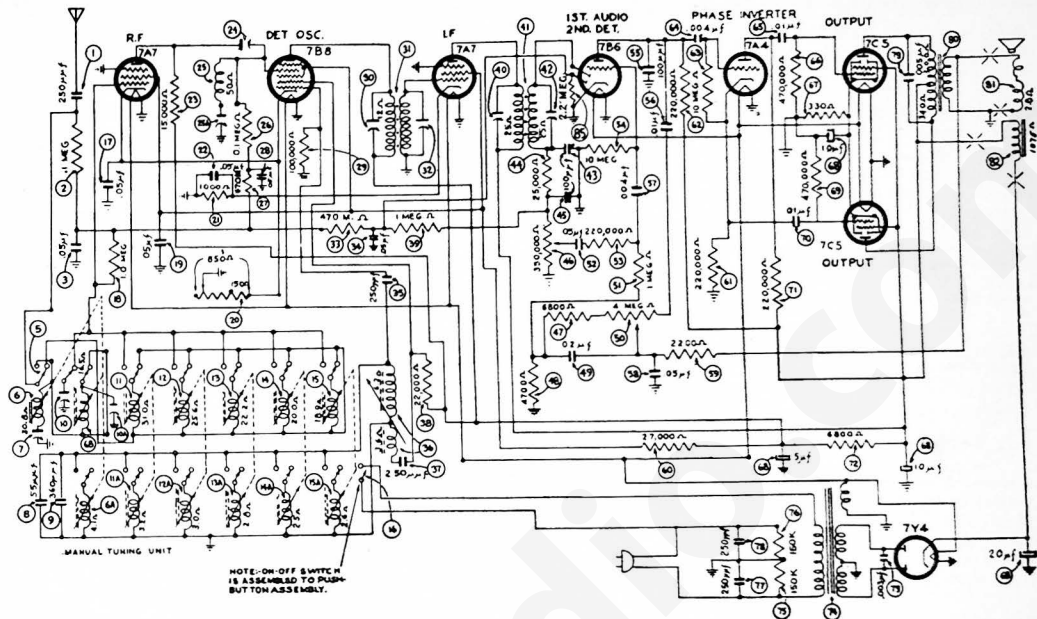
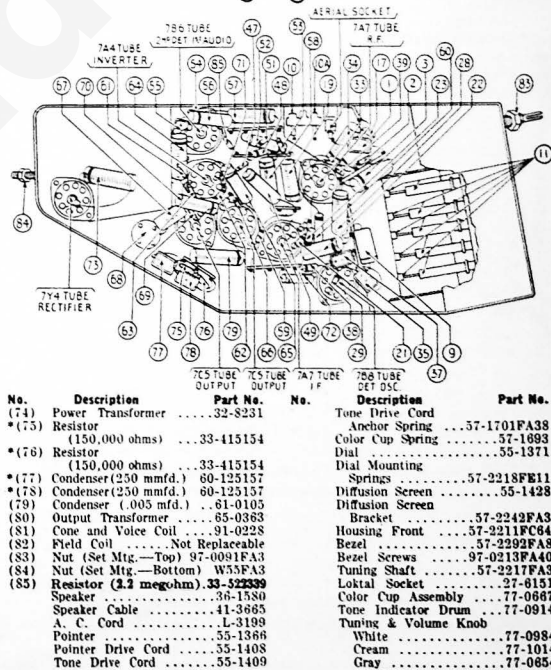


Model A801



PARTS LIST MODEL A801

No.	Description	Part No.	No.	Description	Part No.
(1)	Condenser (250 mmfd.)	60-125157	(37)	Condenser (250 mmfd.)	60-125157
(2)	Resistor (100,000 ohms)	33-410154	(38)	Resistor (22,000 ohms)	33-322324
(3)	Condenser (.05 mfd.)	61-0111	(39)	Resistor (1 megohm)	33-510154
(4)	Push Button Switch	85-0127	(40)	Padder (Pri. 2nd I. F. Trans.)	33-447339
(5)	Inductive Tuning Unit	77-0962	(41)	Second I. F. Transformer	65-0366
(6a)	Inductive Tuning Unit Part of (6)		(42)	Padder (Sec. 2nd I. F. Trans.)	
(6b)	Inductive Tuning Unit Part of (6)		(43)	Condenser (100 mmfd.)	Part of (41)
(7)	Image Padder	63-0069	(44)	Resistor (25,000 ohms)	33-325154
(8)	Condenser (.55 mmfd.)	61-0149	(45)	Condenser (100 mmfd.)	Part of (41)
(9)	Condenser (380 mmfd.)	61-0157	(46)	Volume Control (350,000 ohms)	67-0040
(10)	Antenna Padder (P.B.)	77-0788	(47)	Resistor (6800 ohms)	33-268154
(10a)	Antenna Padder (Manual)	Part of 10	(48)	Resistor (4700 ohms)	33-247334
(11)	P. B. Sw. & Coil Assy.	77-0943	(49)	Condenser (.02 mfd.)	61-0154
(11a)	P. B. Sw. & Coil Assy. Part of (11)		(50)	Tone Control (4 megohms)	Part of (46)
(12)	P. B. Sw. & Coil Assy. Part of (11)		(51)	Resistor (1 megohm)	33-510154
(12a)	P. B. Sw. & Coil Assy. Part of (11)		(52)	Condenser (.05 mfd.)	61-0101
(13)	P. B. Sw. & Coil Assy. Part of (11)		(53)	Resistor (220,000 ohms)	33-422154
(13a)	P. B. Sw. & Coil Assy. Part of (11)		(54)	Resistor (10 megohms)	33-610154
(14)	P. B. Sw. & Coil Assy. Part of (11)		(55)	Condenser (100 mmfd.)	60-110157
(14a)	P. B. Sw. & Coil Assy. Part of (11)		(56)	Condenser (.01 mfd.)	61-0120
(15)	P. B. Sw. & Coil Assy. Part of (11)		(57)	Condenser (.004 mfd.)	61-0179
(15a)	P. B. Sw. & Coil Assy. Part of (11)		(58)	Condenser (.05 mfd.)	61-0101
(16)	On-Off Switch	Part of (5)	(59)	Resistor (2200 ohms)	33-222154
(17)	Condenser (.05 mfd.)	61-0101	(60)	Resistor (27,000 ohms)	33-327434
(18)	Resistor (1 megohm)	33-510154	(61)	Resistor (220,000 ohms)	33-422154
(19)	Condenser (.05 mfd.)	61-0111	(62)	Resistor (220,000 ohms)	33-422154
(20)	Sensitivity Control (850 ohms)	67-0025	(63)	Resistor (10 megohms)	33-610154
(21)	Resistor (1000 ohms)	33-216334	(64)	Condenser (.004 mfd.)	61-0179
(22)	Condenser (.05 mfd.)	61-0101	(65)	Condenser (.01 mfd.)	61-0120
(23)	Resistor (15,000 ohms)	33-315334	(66)	Resistor (470,000 ohms)	33-447154
(24)	Padder	Part of (25)	(67)	Resistor (330 ohms)	33-133431
(25)	R. F. Transformer Assy.	32-3881	(68)	Filter Condenser (5-10-10-20 mfd.)	61-0150
(25a)	Padder	Part of (25)	(69)	Resistor (470,000 ohms)	33-447154
(26)	Resistor	Part of (25)	(70)	Condenser (.01 mfd.)	61-0169
(27)	Resistor (470,000 ohms)	33-447339	(71)	Resistor (220,000 ohms)	33-422154
(28)	Condenser (.05 mfd.)	61-0101	(72)	Resistor (6800 ohms)	33-268434
(29)	Resistor (100,000 ohms)	33-410154	(73)	Condenser (.003 mmfd.)	61-0115
(30)	Padder (Pri. 1st I. F. Trans.)				
(31)	First I. F. Transformer	65-0365			
(32)	Padder (Sec. 1st I. F. Trans.)				
(33)	Resistor (470,000 ohms)	33-447339			
(34)	Condenser (.05 mfd.)	61-0101			
(35)	Condenser (250 mmfd.)	60-125157			
(36)	Oscillator Shunt Coil	65-0440			



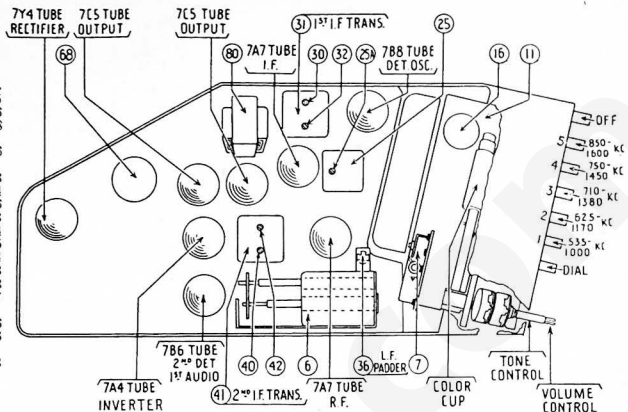
No.	Description	Part No.	No.	Description	Part No.
(74)	Power Transformer	32-8231	(78)	Condenser (250 mmfd.)	60-125157
(75)	Resistor (150,000 ohms)	33-415154	(79)	Condenser (.005 mfd.)	61-0105
(76)	Resistor (150,000 ohms)	33-415154	(80)	Output Transformer	65-0363
(77)	Condenser (250 mmfd.)	60-125157	(81)	Cone and Voice Coil	31-0228
(78)	Condenser (250 mmfd.)	60-125157	(82)	Field Coil	Not Replaceable
(79)	Condenser (.005 mfd.)	61-0105	(83)	Nut (Set Mtg.—Top)	97-0091FA3
(80)	Output Transformer	65-0363	(84)	Nut (Set Mtg.—Bottom)	W35FA3
(81)	Cone and Voice Coil	31-0228	(85)	Resistor (2.2 megohm)	33-523339
(82)	Field Coil	Not Replaceable			
(83)	Nut (Set Mtg.—Top)	97-0091FA3			
(84)	Nut (Set Mtg.—Bottom)	W35FA3			
(85)	Resistor (2.2 megohm)	33-523339			
	Speaker	36-1380			
	Speaker Cable	41-3685			
	A. C. Cord	L-3199			
	Pointer	55-1366			
	Pointer Drive Cord	55-1408			
	Tone Drive Cord	55-1409			

(PARTS LIST CONTINUED)

*NOTE: On later production sets, (76) and (76) (150,000 ohm resistors) were removed and (77) and (78) (250 mmfd. condensers) were changed to 6,000 mmfd., Part Number 60-260159.

(PARTS LIST CONTINUED)

Description	Part No.	Description	Part No.
Tone Knob		Cream	77-0975
White	77-1056	Gray	77-0926
Cream	77-1052	Mottled	77-0978
Gray	77-1011	Core & Key Assembly	
Mottled	77-1054	(1, 2, 3, 4, 5)	77-0916
Nut Cover		Core & Key Assembly	
White	77-1057	(Dial, Off)	77-0923
Cream	77-1053	Wiring Side Cover	57-2186FC64
Gray	77-1012	Tube Side Cover	318-2016
Mottled	77-1055	On-Off Switch Cover	76-1343FA3
Push-Button (Off)		Padder Cover Plate	57-1692FC64
White	77-0973	Dial Lamp Socket	76-1295
Cream	77-0976	Dial Lamp	34-2064
Gray	77-0924	Washer (Set Mig.)	W-417FA3
Mottled	77-0979	Nut (Speaker Mig.)	W-124FA3
Push Button (Dial)		Fibre Washer	27-7467
White	77-0974	Wing Nut (Tube Side Cover	
Cream	77-0977	Mig.)	97-0142FA26
Gray	77-0925	Power Transformer Mig.	77-1256
Mottled	77-0980	Bracket	56-2535FA3
Push Button (Plain)			
White	77-0972		



MODEL A801 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—077 or 177 Philco Signal generator, 027 Philco Vacuum tube voltmeter and set tester or audio output meter, 45-2610 Padding screw driver.

GENERAL—VACUUM TUBE VOLTMETER. The model 027 Vacuum tube voltmeter is an extremely sensitive and accurate test instrument and is recommended for use when aligning and adjusting radios. Connect the negative (—) terminal of the Vacuum Tube Voltmeter to the high side (ungrounded side) of the volume control. Connect the positive (+) terminal to the radio housing. Connect the "AC" cord to a 110 volt AC socket. Press the VTVM button and the 10 volt

button. Turn the "Set Zero Ohms—VTVM" control clockwise until a click is heard. Allow the tubes to heat up for a few minutes. Short the 150 meg. VTVM terminals and adjust the "Set Zero Ohms—VTVM" control until the meter reads zero on the 0-10 range scale (green scale). The needle will deflect from right to left.

AUDIO OUTPUT METER. If an audio output meter is used, connect the leads across the voice coil of the speaker. Use the 0-30 volt scale.

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 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.

SIGNAL GENERATOR			RECEIVER		
FREQUENCY	CONNECTION	DIAL SETTING	DUMMY CAPACITY	ADJUST PADDER	
PRESS PUSH BUTTON MARKED "DIAL"					
1		Note 2	.1 Mfd.	12 40 32 30 42 40 42 30	
2	455 K.C.	Note 2	.1 Mfd.	(25a) Minimum	
3	455 K.C.	Note 2	.1 Mfd.	(10a)	
4	1500 K.C.	1500 K.C.	See Note 1	36 Note 3	
5	580 K.C.	580 K.C.	See Note 1	(10a)	
6	1500 K.C.	1500 K.C.	See Note 1	36 Note 3	
7	580 K.C.	580 K.C.	See Note 1	36 Note 3	

Make all adjustments for maximum reading on the meter.

NOTE 1—Connect a 30 mmfd. condenser in series between the signal generator and the output lead.

NOTE 2—Turn the tuning control clockwise as far as it will go.

NOTE 3—Rock the tuning control while adjusting the low frequency screw. Tune the control to the signal and adjust the screw for maximum output. Rotate the tuning control back and forth slightly for maximum output. Then readjust the screw for maximum output. Repeat this procedure until no further improvement can be obtained.