Radio-Phonograph Models 42-1002, Codes 121-122; 42-1003, Codes 121-122.

SPECIFICATIONS

MODEL 42-1002, CODES 121-122

MODEL 42-1002, Codes 121-122 are six tube alternating current operated superheterodyne radio-phonograph combinations.

In general Codes 121 and 122 of this model are similar in design with the exception of the speakers, rectifier tubes and rectifier circuits. Code 121 contains a six-inch permanent magnet dynamic speaker and a type 35Z3 rectifier tube. The complete schematic diagram for code 121 is shown on page 3. Code 122 chassis incorporates a six-inch electrodynamic speaker and a type 50Y6GT rectifier tube. The rectifier circuit for code 122 is shown on page 2.

PHONOGRAPH SECTION

The phonograph consists of a rim drive turntable motor and a manually operated crystal pickup which uses a jewel needle. The phonograph is operated through the audio system of the radio.

The sound output of the radio and phonograph is controlled by a special dual volume control combined in one unit. The "ON-OFF" power switch is also included in the volume control. The phonograph motor is automatically started when the pickup is lifted from its rest and is designed to operate on 115 volts, 60 cycle, or 115 volts, 50 cycle A.C. power supply. When operating on 115 volts, 50 cycle current, a special spring collar, part No. 28-8999 must be placed on the motor driveshift pulley.

RADIO SECTION

Features of design included in the radio are: Built-in loop aerial; automatic volume control; beam power pentode audio output; two position tone control; Philco LOKTAL tubes; and a Permanent Magnet Speaker.

TUNING RANGE FREQUENCY: 540 to 1600 K.C.

INTERMEDIATE FREQUENCIES: 455 K.C.

AUDIO OUTPUT: 1.5 watts.

POWER SUPPLY: 115 volts, 60 cycle A.C.

PHILCO TUBES USED: 7C7, R. F. amplifier; 7A8, converter; 7B7, I. F. amplifier; 7C6, 2nd detector—1st audio; 50 L6GT, audio output, and a 35Z3, rectifier (code 121), 50Y6GT, rectifier (code 122).

OUTSIDE AERIAL: Under ordinary operating conditions, the loop aerial has sufficient pickup for reception of stations. In some locations, however, such as steel reinforced buildings, and other shielded areas where signal strength is weak, an additional outside aerial should be used. The Philco Safety Aerial, Part No. 40-6370 is recommended for use with this model.

The outside aerial connection consisting of a wire and lug is located on the rear lower left corner of the chassis; remove the lug from under the screw and attach the aerial.

MODEL 42-1003, CODES 121-122

Model 42-1003, Codes 121-122 are alternating current operated superheterodyne radio-phonograph combinations. In general, Code 121 and 122 of this model are similar in design with the exception of the number of tubes, speaker types and rectifier circuits. Code 121 consists of a seven-tube chassis using a six-inch permanent magnet dynamic speaker and a single rectifier tube circuit.

Code 122 chassis contains eight tubes, a six-inch electrodynamic speaker and two tubes in the rectifier circuit. One tube type 50Y6GT supplies plate votage for the other tubes and a 50L6GT excites the field coil of the electrodynamic speaker.

PHONOGRAPH SECTION

The phonograph incorporates a self-starting rim drive turntable motor, and a manually operated Philco Photo-Electric reproducer, which operates through the audio system of the radio. The phonograph motor is automatically started when the photo-electric reproducer is lifted from its rest. The motor is designed to operate on 115 volts, 60 cycle, or 115 volts, 50 cycle A.C. power supplies. When operating on 115 volt, 50 cycle current, a special spring collar, Part No. 28-8999 must be placed on the motor drive shaft pulley.

RADIO SECTION

The radio features in this model are a built-in loop aerial; two tuning ranges; two I. F. amplifier tubes; automatic volume control; two position tone control, mounted on the motor board; audio BASS compensation in the volume control circuit; beam power pentode audio output stage and Philco LOKTAL tubes.

TUNING BAND FREQUENCIES: 540 to 1720 K.C. and 9 to 15.5 M.C.
INTERMEDIATE FREQUENCY: 455 K.C.
AUDIO OUTPUT: 1.5 watts.
POWER SUPPLY: 115 volts, 60 cycle A.C.

PHILCO TUBES USED

Code 121 chassis—XXD, R. F. converter and phonograph pre-amplifier; 50L6GT, oscillator; 7B7, 1st. I. F. amplifier; 7B7, 2nd I. F. amplifier; 7C6, second detector, first audio; 50L6GT audio output and a 50Y6GT rectifier.

Code 122 chassis—XXD, R. F. converter and phonograph pre-amplifier; 50L6GT, oscillator; 7B7, 1st I. F. amplifier; 7B7, 2nd I. F. amplifier; 7C6 second detector, first audio; 50L6GT audio output; 50Y6GT rectifier 50L6GT rectifier.

EXTERNAL AERIAL CONNECTIONS

The built-in low-impedance loop aerial system of this model is designed to operate without an outside aerial or ground, and to give exceptional receiving performance under average conditions.

To operate the radio, however, in steel reinforced buildings and other shielded locations, where signal strength is weak, the Philco outdoor aerial Part No. 45-2817 is recommended for maximum receiving performance. The outdoor aerial can be easily connected to the radio by inserting the plug attached to the transformer (supplied with the aerial) into the socket provided at the rear of the radio. This aerial can be obtained from your local Philco Distributor.

MODEL 42-1003, CODES 121-122
LIGHT-BEAM REPRODUCER ADJUSTMENTS

To reproduce the sound from a record, the light beam of the reproducer must be carefully positioned on the light sensitive cell. If the light beam is not carefully set, the sound reproduction will be distorted, weak or, if the light beam is completely on or off the cell, the phonograph will be silent.

If any of these conditions exist, the following adjustment procedure should be made:

NOTE—These adjustments should be made with the power line voltage at 117 volts A.C.

A. ADJUSTING WIDTH OF LIGHT BEAM

To make this adjustment push the lamp socket assembly into its holder until a clear image of the lamp filament appears on the light cell. The socket should then be slightly pushed in beyond this point until the rectangular spot of light is 5/32" in width. The socket assembly is now rotated so that the spotlight is vertical.

B. POSITIONING THE LIGHT BEAM

To position the light beam on the light cell, turn the adjusting screw at the lower left side of the reproducer until the spot is half on the cell and half on the metal frame surrounding the cell.

C. ADJUSTING INTENSITY OF LAMP

When shipped from the factory, the lamp of the reproducer is adjusted for best operating efficiency. The intensity of the light from the lamp is adjusted by Compensator No. 30 located on the radio chassis. Under ordinary circumstances, an adjustment will not be necessary. When replacing the reproducer or lamp, however, it may be necessary to readjust the light intensity. In this case the compensator is adjusted as follows:

1. Turn volume control on full, set tone control to "BASS" position and play a record.
2. While the record is playing, turn Compensator 30 in the direction necessary to obtain the best operating point without distortion. By turning the compensator the strength of the pick-up output is increased or decreased.

D. INSTALLING NEW LAMP

When installing a new lamp in the socket, there are two positions in which the lamp can be inserted. Ordinarily, either of these positions can be used. In some cases, however, due to the lamp filament being off center, the lamp must be inserted in the position that gives the best centering of the spot of light on the vibrating mirror.

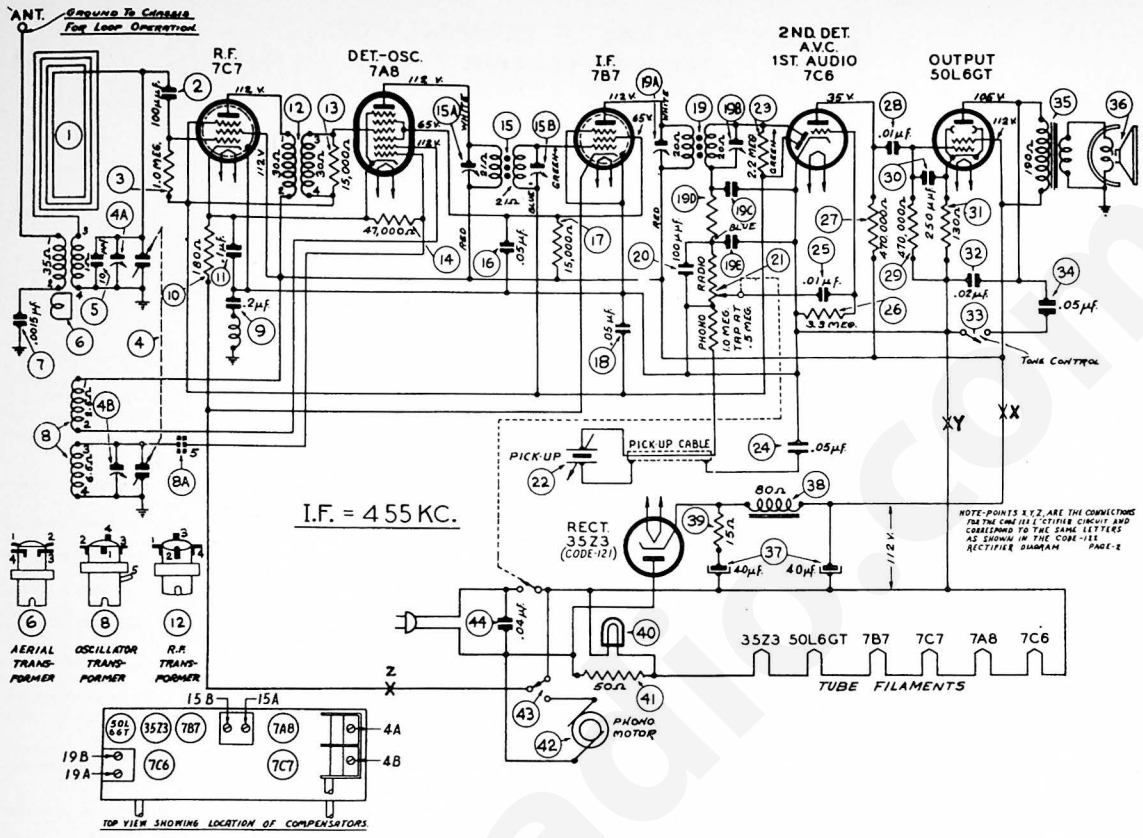

FIG. 3. SCHEMATIC DIAGRAM—MODEL 42-1002, CODES 121-122

The D. C. voltages indicated at the tube elements in the above diagram were measured with a 1000 ohms per volt voltmeter. Philco Model 027. Line voltage, 117 volts A. C. No signal being received.

REPLACEMENT PARTS — MODEL 42-1002, CODES 121-122

Schem. No.	Description	Part No.
1.	Loop Aerial	76-1224
	Mtg. Screw	W-333
2.	Mica Condenser (100 mmfd.)	60-110157
3.	Resistor (1 megohm)	33-510339
4.	Tuning Condenser	31-2583
	Tuning Shaft	31-2584
	Nut	W-684
	Drive Cord	31-2585
	Spring (Drive Cord)	28-8954
	Pointer	56-2076
	Mtg. Grommet (Condenser)	27-4610
5.	Mica Condenser (10 mmfd.)	60-010137
6.	Aerial Transformer	32-3394
	Mtg. Clip	28-5002
7.	Condenser (.0015 mfd., 600 volts)	30-4621
8.	Oscillator Transformer	32-3613
	Mtg. Clip	28-5002
9.	Condensers (.2 mfd., & Choke)	76-1198
10.	Resistor (180 ohms)	33-118336
11.	Condenser (.1 mfd., 200 volts)	61-0104
12.	R.F. Transformer	32-3595
	Mtg. Clip	28-5002
13.	Resistor (15000 ohms)	33-315339
14.	Resistor (47000 ohms)	33-347339
15.	1st I. F. Transformer	32-3614
16.	Condenser (.05 mfd., 200 volts)	30-4519
17.	Resistor (15000 ohms)	33-315339
18.	Condenser (.05 mfd., 200 volts)	30-4519
19.	2nd I.F. Transformer	32-3604
	Mtg. Nut	W-624
20.	Mica Condenser (100 mmfd.)	60-110157
21.	Volume Control	33-5482
	Mtg. Nut	W-2157
22.	Crystal Pickup and Tone Arm Complete	35-2524
	Rubber Bumper	54-4070
	Rubber Mtg. Grommet	54-4095
	Rubber Mtg. Grommet	54-4096
	Lockwasher	97-0140
	Washer	W-894
	Nut	W-628
	Pickup Cable	41-3571
23.	Resistor (2.2 megohms)	33-522339
24.	Condenser (.05 mfd., 200 volts)	30-4519
25.	Condenser (.01 mfd., 400 volts)	30-4572
26.	Resistor (3.3 megohms)	33-533339
27.	Resistor (470000 ohms)	33-447339
28.	Condenser (.01 mfd., 400 volts)	30-4572
29.	Resistor (470000 ohms)	33-447339
30.	Mica Condenser (250 mmfd.)	60-125157
31.	Resistor (130 ohms)	33-113336
32.	Condenser (.02 mfd., 400 volts)	30-4518

Schem. No.	Description	Part No.
33.	Tone Control Switch	42-1562-2
	Switch Plate	56-1793
	Mtg. Screw	W-560
	Mtg. Nut	W-684
	Switch Cover	56-1880
34.	Condenser (.05 mfd., 400 volts)	30-4518
35.	Output Transformer (Code 121—for Speaker 36-1547)	32-8219
	Output Transformer (Code 122—for Speaker 36-1571)	32-8219
36.	Speaker (Code 121)	36-1547
	Speaker (Code 122)	36-1571
	Cone assembly (for speaker 36-1547)	36-4211
	Cone assembly (for speaker 36-1571)	36-4221
37.	Electrolytic Condenser (40-40 mfd.)	30-2507
	Mtg. Clip	56-1466
38.	Filter Choke	32-8174
39.	Resistor (15 ohms)	33-015430
40.	Pilot Lamp	34-2477
	Socket Assembly (Pilot Lamp)	76-1282
41.	Filament Resistor (Code 121 only)	33-3412
42.	Phonograph motor (115 volts, 60 cycle)	35-1265-2
	Spring Collar (for 115 volts, 50 cycle operation)	28-8999
	Rubber Grommet	27-4596
	Turntable	35-3047-2
	Mtg. Sleeve	28-5665
	Mtg. Washer	W-1
	Mtg. Screw	W-333
43.	Motor Switch	42-1651
	Switch Cover	56-2109
44.	Condenser (.04 mfd., 400 volts)	30-4119
45.	Field Coil (Code 122, only—replace speaker 36-1571)	
46.	Electrolytic Condenser (Code 122 only) (10 mfd., 150 volts)	30-2396
	Cabinet	10576A
	Cable (Power)	L-3199
	Dial Scale	27-5758
	Straps	56-2068
	Knobs	54-4185
	Speaker (Code 121)	38-1547
	Mtg. Screw	W-2150
	Socket (Oscillator, output rectifier)	27-6174
	Socket (Loktal Tubes)	27-6177
	Rivet	W-239
	Wiring Panel	38-8323
	Wiring Panel	38-8764
	Washer (Chassis Mtg.)	W-467
	Screw (Chassis Mtg.)	W-2830
	Needle (Phonograph)	76-1285

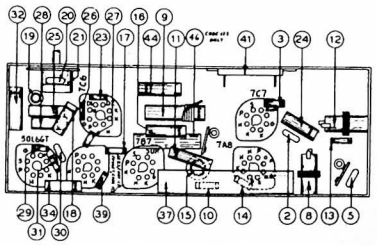

FIG. 4. LOCATIONS OF PARTS, UNDER CHASSIS—MODEL 42-1002, CODES 121-122

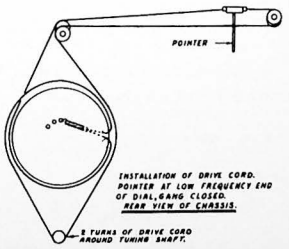

FIG. 5. DRIVE CORD INSTALLATION—MODEL 42-1002

ALIGNING R.F. AND I.F. COMPENSATORS

EQUIPMENT REQUIRED

1. **SIGNAL GENERATOR:** Covering the frequency range of the receiver, such as Philco Model 070.
2. **ALIGNING INDICATOR:** Either a vacuum tube voltmeter or an audio output meter may be used as an aligning indicator. Philco Models 027 and 028 circuit testers contain both these meters.
3. **TOOLS:** Philco Fiber Screw Driver, Part No. 45-2610.

CONNECTING ALIGNING INSTRUMENTS

AUDIO OUTPUT METER: If this type of aligning meter is used, connect it to the voice coil terminals of the speaker or from the plate of the 50L6GT tube to B (−) negative. Adjust the meter for the 0 to 10 volt scale.

VACUUM TUBE VOLTMETER: To use the vacuum tube voltmeter as an aligning indicator, make the following connections: Attach the negative (−) terminal of the voltmeter to any point in the circuit where the A. V. C. voltage can be obtained. Connect the positive (+) terminal of the vacuum tube voltmeter to B (−) negative (electrical ground).

SIGNAL GENERATOR: When adjusting the I. F. padders, the high side of the signal generator is connected through a .1 mfd. condenser to the antenna section of the tuning condenser. Connect the ground or low side of the generator to the chassis.

When aligning the R. F. padders a loop is made from a few turns of wire and connected to the signal generator output terminals; the signal generator is then placed close to the loop of the radio.

The receiver can be adjusted in the cabinet or removed from the cabinet.

When adjusting the radio outside the cabinet the loop aerial should be placed in approximately the same position around or near the chassis as when assembled.

After connecting the aligning instruments adjust the compensators as shown in the tabulation below. Locations of the compensators are shown on the schematic diagram.

If the indicating meter pointer goes off scale when adjusting the compensators, reduce the strength of the signal from the generator.

PROCEDURE MODEL 42-1002, CODES 121-122

Operations in Order	SIGNAL GENERATOR		RECEIVER			SPECIAL INSTRUCTIONS
	Output Connections to Receiver	Dial Setting	Dial Setting	Control Setting	Adjust Compensators in Order	
1	Tuning Cond. Stator Plate Lug	455 K. C.	540 K. C. Tuning Cond. Closed	Vol. Max.	19B 19A 15B 15A	Note B
2	Loop see above instructions	1500 K. C.	1500 K. C.	Vol. Max.	4B	Note A
3	Loop see above instructions	1500 K. C.	1500 K. C.	Vol. Max. Range Switch Brdcst.	4A	

PROCEDURE MODEL 42-1003, CODES 121-122

1	Tuning Cond. Stator Plate Lug	455 K. C.	540 K. C. Tuning Cond. Closed	Vol. Max. Band Switch Brdcst.	45A 41A 40B 40A	Note C
2	Loop on Generator see above instructions	1500 K. C.	1500 K. C.	Vol. Max. Band Switch Brdcst.	6B, 6A	Note A
3	Loop on Generator see above instructions	580 K. C.	580 K. C.	Vol. Max. Band Switch Brdcst.	33	Roll Tuning Condenser
4	Loop on Generator see above instructions	1500 K. C.	1500 K. C.	Vol. Max. Band Switch Brdcst.	6B	
5	Loop on Generator see above instructions	15 M.C.	15 M. C.	Band Switch "SW"	33A, 3 Note D	

NOTE A:—DIAL CALIBRATION: In order to adjust the receiver correctly, the dial must be aligned to track properly with the tuning condenser. To do this, proceed as follows: Turn the tuning condenser to the maximum capacity position (plates fully meshed). With the condenser in this position, set the tuning pointer on the small dot below 540 K. C.

NOTE B:—Before adjusting the I. F. compensators, tighten 15A compensator, then adjust compensators in the order as shown once only.

NOTE C:—Before adjusting the I. F. compensators, tighten 40B and 40A compensators, then adjust compensators in the order as shown in the adjacent column once only for maximum output.

NOTE D:—Turn tuning condenser until pointer is on 15 M. C. mark, then adjust oscillator compensator 33A to maximum on the second signal peak from the right position (compensator closed).

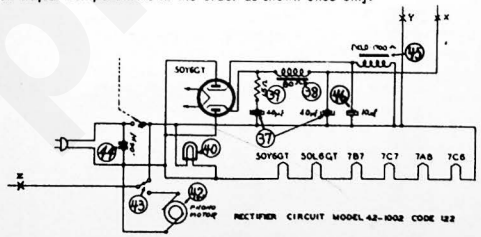

FIG. 1. RECTIFIER CIRCUIT—MODEL 42-1002, CODE 122

Points "X", "Y", "Z" correspond to the connections with the same letters in the rectifier circuit for Model 42-1002, Code 121, shown in Fig. 3.

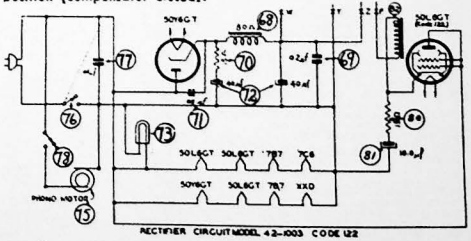

FIG. 2. RECTIFIER CIRCUIT—MODEL 42-1003, CODE 122

Points "C", "P", "W", "Y" correspond to the connections with the same letters in the rectifier circuit for Model 42-1003, Code 121, shown in Fig. 6.

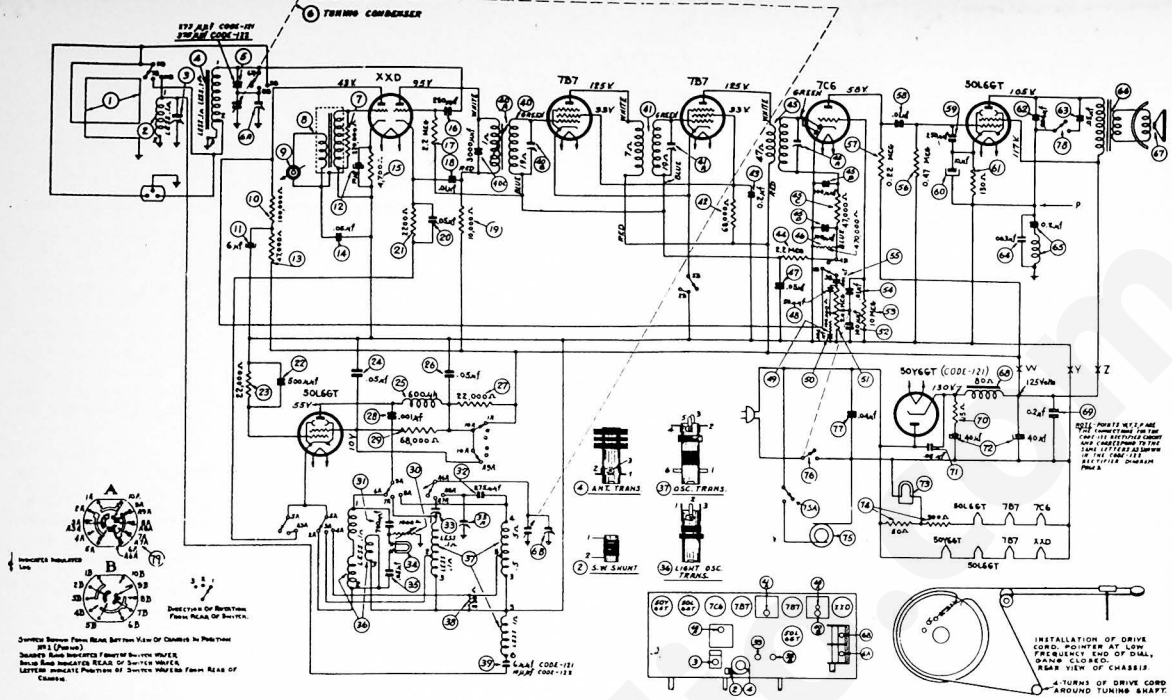

FIG. 6. SCHEMATIC DIAGRAM—MODEL 42-1003, CODES 121-122

The D. C. voltages indicated at the tube elements in the above diagram were measured with a 1000 ohms per volt voltmeter. Philco Model 027. Line voltage, 117 volts A. C. No signal being received.

REPLACEMENT PARTS — MODEL 42-1003, CODES 121-122

Schem. No.	Description	Part No.
1.	Loop Aerial	76-1330
	Screw	W-2071
2.	Short Wave Aerial Transformer (Code 121)	32-3754
	Short Wave Aerial Transformer (Code 122)	32-3861
3.	Compensator (S. W. Aerial)	31-5437
4.	Broadcast Aerial Transformer	32-3739
	Broadcast Aerial Transformer (Code 122)	32-3849
	Mtg. Clip	28-5002
5.	Mica Condenser (275 mmfd., Code 121)	20-027511
	Mica Condenser (375 mmfd., Code 122)	20-037517
6.	Tuning Condenser	31-2572
6a.	Compensator (Part of 6)	
6.	Compensator (Part of 6)	
	Drive Cord	31-2573
	Spring	28-8954
	Drive Shaft Assembly	31-2571
	Rubber Grommet	27-4610
	Mtg. Sleeve	28-5583
	Mtg. Nut (Drive Shaft)	W-684
	Pointer	36-2076
	Mtg. Nut (Tuning Condenser)	W-1543
7.	Resistor (220,000 ohms)	33-422339
8.	Phonograph Input transformer	32-8163
	Input Cable	36-3566
9.	Light Beam Pickup (Complete)	35-2517
	Lock Washer	97-0140
	Rubber Bumper	54-4070
	Rubber Mtg. Grommet (two required)	54-4095
	Rubber Mtg. Grommet (one required)	54-4096
	Nut	W-628
10.	Resistor (100,000 ohms, Code 121)	33-410339
	Resistor (220,000 ohms, Code 122)	33-422339
11.	Electrolytic Condenser (6 mfd.)	30-2508
	Mtg. Clamp	56-1346
12.	Electrolytic Condenser (10 mfd.) Part of 11	
13.	Resistor (47000 ohms)	33-347339
14.	Condenser (.05 mfd., 200 volts)	30-4519
15.	Resistor (4700 ohms)	33-247339
16.	Mica Condenser (250 mmfd.)	60-125157
17.	Resistor (2.2 megohms)	33-522339
18.	Condenser (.01 mfd., 400 volts)	30-4522
19.	Resistor (10,000 ohms)	33-310339
20.	Condenser (.05 mfd., 400 volts)	30-4518
21.	Resistor (22000 ohms)	33-322339
22.	Condenser (500 mmfd.)	60-150157
23.	Resistor (22000 ohms)	33-322339
24.	Condenser (.05 mfd., 200 volts)	30-4519
25.	Oscillator Choke	32-3615
26.	Condenser (.05 mfd., 200 volts)	30-4519
27.	Resistor (22000 ohms)	33-322339
28.	Mica Condenser (.001 mfd., 400 volts)	30-1063
29.	Resistor (68000 ohms)	33-368339
30.	Light Control (Light Beam Reproducer)	33-5435
31.	Mica Condenser (700 mmfd., Code 121)	60-170157
	Mica Condenser (680 mmfd., Code 122)	60-169137
32.	Mica Condenser (275 mmfd.)	20-027511
33.	Compensator (500 K.C.)	31-6432
33a.	Compensator (Part of 33)	
34.	Lamp (Light Beam Reproducer)	34-2478
35.	Condenser (.05 mfd., 200 volts)	30-4519
36.	Light Beam Osc. Transformer	32-3741
	Mtg. Clip	28-5002
37.	Oscillator Transformer (Broadcast, S. W.)	32-3740
	Mtg. Clip	28-5002
38.	Resistor (330 ohms)	33-133339
39.	Mica Condenser (10 mmfd., Code 122)	60-010137
	Mica Condenser (6 mmfd., Code 121)	60-006137
40.	1st I.F. Transformer	32-3616
	Mtg. Clip	W-1949
40a.	Primary Compensator (Part of 40)	
40b.	Secondary Compensator (Part of 40)	
40c.	Condenser (3000 mmfd.) (Part of 40)	

Schem. No.	Description	Part No.
41.	2nd I.F. Transformer	32-3617
	Mtg. Nut	W-1949
41a.	Secondary Compensator (Part of 41)	
42.	Resistor (68000 ohms)	33-368339
43.	Condenser (.2 mfd., 200 volts)	30-4587
44.	Resistor (2.2 megohms)	33-522339
45.	3rd I.F. Transformer	32-3758
	Mtg. Nut	W-1949
45a.	Secondary Compensator (Part of 45)	
45b.	Condenser (100 mmfd.) (Part of 45a)	
45c.	Resistor (47000 ohms) (Part of 45a)	33-347339
45d.	Condenser (100 mmfd.) (Part of 45a)	
46.	Resistor (470000 ohms)	33-447339
47.	Condenser (.05 mfd., 200 volts)	30-4519
48.	Mica Condenser (50 mmfd.)	60-050157
49.	Resistor (100000 ohms)	33-410339
50.	Condenser (.004 mfd., 600 volts)	30-4623
51.	Volume Control	33-5457
	Mtg. Nut	W-2137
52.	Mica Condenser (100mmfd.)	60-110157
53.	Resistor (10 megohms)	33-610339
54.	Condenser (.01 mfd., 400 volts)	30-4522
55.	Condenser (.001 mfd., 600 volts)	30-4620
56.	Resistor (470000 ohms)	33-447339
57.	Resistor (220000 ohms)	33-422339
58.	Condenser (.01 mfd., 400 volts)	30-4522
59.	Mica Condenser (250 mmfd.)	60-125157
60.	Electrolytic Condenser (10 mfd., 25 volts)	30-2509
61.	Resistor (130 ohms)	33-113336
62.	Condenser (.004 mfd., 600 volts)	30-4623
63.	Condenser (.05 mfd., 400 volts)	30-4518
64.	Condenser (.003 mfd., 600 volts)	30-4582
65.	Condenser and Choke Assembly	76-1161
66.	Output Transformer (Code 121)	32-8176
	Output Transformer (Code 122)	32-8207
67.	Speaker (Code 121)	36-1550
	Speaker (Code 122)	36-1562
	Cone Assembly (for speaker 36-1550)	36-4209
	Cone Assembly (for speaker 36-1562)	36-4219
	Speaker Cable (Code 122)	41-3665
	Mtg. Nut	W-126
68.	Filter Choke	32-8155
69.	Condenser (.2 mfd., 400 volts)	30-4584
70.	Resistor (15 ohms)	33-015430
71.	Condenser (.05 mfd., 400 volts)	30-4518
72.	Electrolytic Condenser (40-40 mfd., 150 volts)	30-2509
	Mtg. Panel	27-9506
	Insulating Tube	27-9902
73.	Pilot Lamp	34-2477
	Socket Assembly	76-1282
74.	Filament Resistor (50-300 ohms, Code 121 only)	33-3413
75.	Phonograph Motor (115 volts, 60 cycles)	35-1265-2
	Spring Collar (for 115 volts, 50 cycles, A.C. operation)	28-8999
	Mtg. Sleeve	28-5685
	Rubber Mtg. Grommet	27-4586
	Screw	W-333
	Turntable	35-3647-2
	Washer	W-181
75a.	Motor Switch	42-1654
	Washer	W-487
	Nut	W-844
	Lockwasher	W-1624
76.	ON-OFF Switch (Part of 53)	
77.	Condenser (.04 mfd., 400 volts)	30-4118
78.	Tone Control Switch	42-1562-2
	Switch Plate	56-1793
	Screw	W-560
79.	Band Switch	42-1678
	Mtg. Nut	W-2137
	PARTS USED IN CODE 122 CHASSIS ONLY	
80.	Resistor (15 ohms)	33-015436

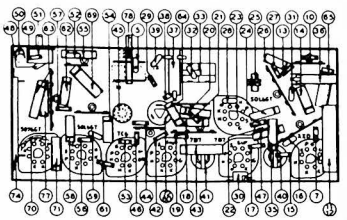

FIG. 7. LOCATIONS OF PARTS, UNDER CHASSIS—MODEL 42-1003, CODE 121

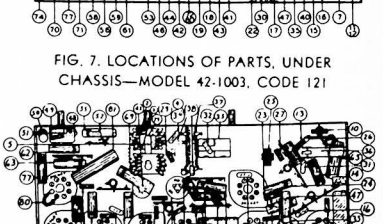

FIG. 8. LOCATIONS OF PARTS, UNDER CHASSIS—MODEL 42-1003, CODE 122

Schem. No.	Description	Part No.
81.	Electrolytic Condenser (10 mfd.)	30-2396
82.	Field Coil (Replace speaker 36-1562)	
	MISCELLANEOUS PARTS	
	Cable (power)	L-3245
	Cabinet	18874A
	Dial Scale	27-9777
	Mtg. Strap	56-2968
	Knobs	54-4105
	Rubber Grommet (Chassis Mtg.)	27-4307
	Rubber Grommet (Chassis Mtg.)	3917
	Socket (Aerial)	27-6148
	Socket (output tube, rectifier, oscillator)	27-8174
	Socket (Locktal tubes)	27-8177
	Grommet (socket mtg.)	27-4707
	Socket Plate	56-2112
	Rivets	W-239
	Screw (Chassis Mtg.)	W-443
	Wiring Panel (three lug)	38-8368
	Wiring Panel (two lug)	38-8764
	Wiring Panel (four lug)	38-9117
	Wiring Panel (Wire lug)	38-8879
	Wiring Panel (Chassis Mtg.)	W-418