



MODELS

42-323, code 121-122; 42-340, code 121; 42-360, code 121
42-327, code 121-122; 42-345, code 121; 42-365, code 121

SPECIFICATIONS

MODELS 42-323, 42-327, CODES 121, 122

Circuit Description: Models 42-323 and 327, Codes 121 and 122, are six (6) tube superheterodyne radios with two tuning bands covering standard, police and shortwave broadcast stations, and operated on alternating current (A. C.) or direct current (D. C.) power supplies. The radios are designed to operate from the Philco low impedance loop aerial which is included in each model. In addition, connections are provided for an external aerial. In general, these models are similar in design with the exception of the cabinets and tuning mechanisms.

Model 42-323 is manually tuned and is assembled in a table type cabinet. Codes 121 and 122 differ only in the pilot lamp, rectifier tube and bias resistor. These differences are indicated on the part list and diagram.

Model 42-327 incorporates electric push-button tuning in addition to manual tuning and is assembled in a table type cabinet. Codes 121 and 122 differ only in the type of pilot lamp, rectifier tube and bias resistor. These differences are indicated on the part list and diagram. The electric push-button tuning mechanism consists of six (6) push-buttons. One push-button is used to control (ON-OFF) the power to the radios. The remaining five (5) push-buttons automatically tune in stations. The procedure for adjusting and operating the push-buttons will be found in the instructions supplied with the radio.

Other features included in these models are: Philco LOKTAL tubes; noise reducing converter tube (XXD); two Intermediate Frequency tubes; automatic volume control; beam power audio output stage, and a dynamic dust-proof speaker.

Intermediate Frequency: 455 KC.

Tuning Bands: 540 to 1720 KC; 9 to 15.5 MC.

Audio Output: 1 watt.

Power Supply: 115 volts, A. C. or D. C.

Philco Tubes Used: XXD, converter; two 7B7, I. F. amplifiers; 7C6, second detector, first audio A. V. C.; 50L6GT, beam power output and a 35Z5 rectifier, Code 121; 35Z3 rectifier, Code 122.

| Cabinet Dimensions: | Height | Width | Depth |
|---------------------|---------|-----------|--------|
| Model 42-323— | 9" | 13-13/16" | 8 1/4" |
| Model 42-237— | 9-1/16" | 15" | 8 1/4" |

MODEL 42-345, CODE 121

Circuit Description: Model 42-345, Code 121, is a seven (7) tube superheterodyne radio employing electric push-button tuning for automatically selecting standard broadcast stations and three (3) tuning bands covering Standard, Police, and Shortwave stations. In addition, this model employs the built-in Philco low impedance loop aerial, for reception of stations without an external aerial. Connections are also provided for an external aerial to be used in sections where signal strength is weak, such as steel reinforced buildings and other shielded areas.

Other features of design included in this model are Philco Loktal tubes; XXL, noise reducing converter tube; two intermediate frequency stages; variable tone control; automatic volume control; and a pentode audio output stage.

Electric Push-Button Tuning: Six (6) electric tuning push-buttons are provided for automatically selecting stations. Five (5) of the push-buttons are used from broadcast stations and one push-button for controlling (ON-OFF) the power supply. The procedure for adjusting the push-buttons will be found in the instructions supplied with the radio.

Intermediate Frequency: 455 KC.

Tuning Bands: 540 to 1720 KC; 2.3 to 7 MC; 9 to 15.5 MC.

Audio Output: 2 watts.

Power Supply: 115 volts A. C., 60 cycles. The radio can also be operated on 115 volts, 25 cycle current, by changing the power transformers as indicated in the parts list.

Philco Tubes Used: One XXL, converter; one XXL, oscillator; one 7B7, 1st I. F.; one 7B7, 2nd I. F.; one 7C6, 2nd detector, 1st audio, A. V. C.; one 7B5 audio output, and a 7Y4, rectifier.

Cabinet Dimensions: Height, 10-11/16"; Width, 16"; Depth, 9 1/2".

MODEL 42-340, CODE 121

Circuit Description: Model 42-340, Code 121, is a seven (7) tube superheterodyne radio with two tuning bands covering Standard, Police and Shortwave broadcast stations and operates on alternating current (A. C.). This model is designed to operate from the Philco low impedance loop aerial which is built in the cabinet. In addition, connections are also provided for an external aerial. Other features of design are: Philco Loktal tubes; XXL noise reducing converter tube; two intermediate frequency stages; two point tone control; automatic volume control; pentode audio output stage.

Intermediate Frequency: 455 KC.

Tuning Bands: 540 to 1720 KC; 9 to 15 MC.

Audio Output: 1.5 watts

Power Supply: 115 volts A. C., 60 cycles. The radio can also be operated on 115 volts, 25 cycle current, by changing the power transformers as indicated in the parts list.

Philco Tubes Used: One XXL, converter; one XXL, oscillator; one 7B7, 1st I. F.; one 7B7, 2nd I. F.; one 7C6, 2nd detector, 1st audio, A. V. C.; one 7B5, audio output, and a 7Y4, rectifier.

Cabinet Dimensions: Height, 9-15/16"; Width, 16"; Depth, 9 1/2".

MODEL 42-360, CODE 121

Circuit Description: Model 42-360, Code 121, is a seven (7) tube superheterodyne radio with two tuning bands covering Standard, Police and Shortwave broadcast stations and operates on alternating current (A. C.). In addition, this model incorporates a Philco low impedance loop aerial which is built into the cabinet; provisions for an external aerial; Philco LOKTAL tubes, including the XXL noise reducing converter tube; two intermediate frequency stages; continuously variable tone control; automatic volume control; pentode audio output stage and a 10-inch dynamic speaker.

Intermediate Frequency: 455 KC.

Tuning Band Frequencies: 540 to 1720 KC; 9 to 15.5 MC.

Audio Output: 2 watts.

Power Supply: 115 volts, 60 cycles A. C.

This model can also be operated on 115 volts, 25 cycle A. C. by changing the power transformer as indicated in the parts list.

Philco Tubes Used: One XXL, converter; One XXL, oscillator; one 7B7, 1st I. F. stage; one 7B7, 2nd I. F. stage; one 7C6, 2nd detector, 1st audio; one 41 audio output, and an 84 rectifier.

Cabinet Dimensions: Height, 36 3/4"; Width, 26 5/8"; Depth, 10 5/8".

SPECIFICATIONS

MODEL 42-365

Circuit Description: Model 42-365, Code 121, is a seven (7) tube, alternating current (A. C.) operated superheterodyne radio with three tuning bands covering Standard, Police, Amateur and Shortwave broadcast stations and the sound of a television program tuned in by special Philco Television Radios. The radio incorporates six (6) electric push-buttons for automatically selecting five (5) stations in the broadcast band; built-in Philco low impedance loop aerial completely rotatable; provisions for an external aerial; Philco LOKTAL tubes, including the XXL noise reducing converter tube; two intermediate frequency stages; continuously variable tone control; automatic volume control; pentode audio output stage and a dynamic speaker.

Intermediate Frequency: 455 KC.
Tuning Band Frequencies: 540 to 1720 KC; 2.3 to 6.7 MC; 9 to 15.5 MC.
Audio Output: 2 watts.
Power Supply: 115 volts, 60 cycle A. C.

This model can also be operated on 115 volts, 25 cycle A. C. by changing the power transformer as indicated in the parts list.

Philco Tubes Used: One XXL, converter; one XXL oscillator; one 7B7, 1st I. F. stage; one 7B7, 2nd I. F. stage;

one 7C6, 2nd detector, 1st audio; one 41 audio output and a 7Y4, rectifier.

Electric Push-Button Tuning: Six (6) electric tuning push-buttons are provided for automatically selecting stations. Five (5) of the push-buttons are used from broadcast stations and one push-button for controlling (ON-OFF) the power supply. The procedure for adjusting the push-buttons will be found in the instructions supplied with the radio.

EXTERNAL AERIAL CONNECTIONS

MODELS 42-323, 42-327, 42-340, 42-345, 42-360, 42-365

The built-in low-impedance loop aerial system of these models 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.

ALIGNING R. F. AND I. F. COMPENSATORS

The following procedure is used for all models:
EQUIPMENT REQUIRED

- SIGNAL GENERATOR:** Covering the frequency range of the receiver, such as Philco Model 070.
- 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.
- 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 35A5 tube to the chassis. 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 the chassis.

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.

In order to adjust the radio outside of the cabinet the dial scale should be removed from the cabinet and placed on the dial background plate. The dial scale can be held in position by clips or rubber bands. The loop aerial should also 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 in the schematic diagram of each model.

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

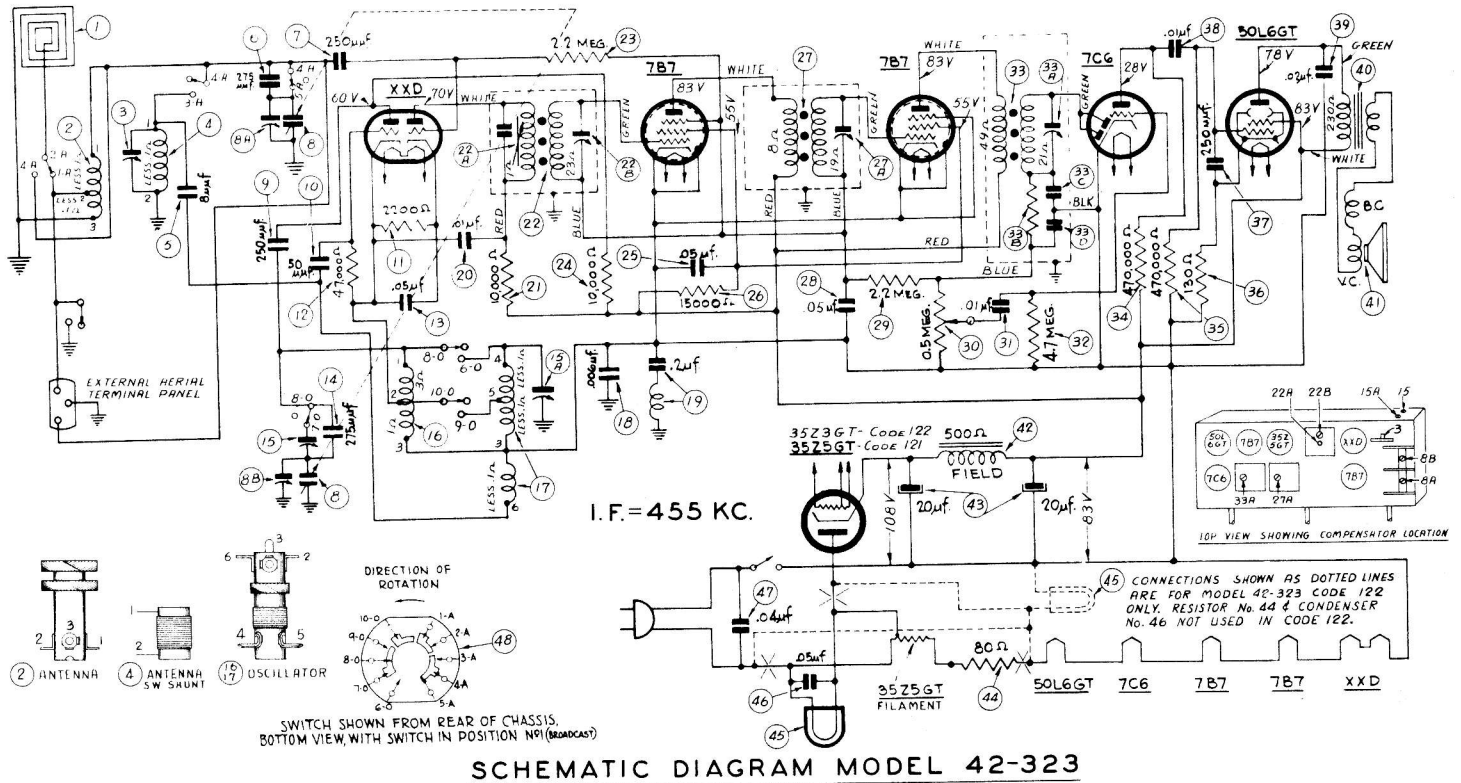
| PROCEDURE—MODELS 42-323; 42-327; 42-340; 42-360 | | | | | | | | | | PROCEDURE—MODELS 42-345; 42-365 | | | | | | | | | |
|---|---------------------------------|--------------|--------------|-------------------------------|------------------------------|--------------------------|--------------------------|--------------------------|------------------------------|---------------------------------|-------------------------------|--------------|---------------------------------|------------------------------|---------------------------|----------------|------------------------------|--|--|
| Operations in Order | SIGNAL GENERATOR | | | RECEIVER | | | | Special Instructions | Operations in Order | SIGNAL GENERATOR | | | RECEIVER | | | | Special Instructions | | |
| | Output Connections to Radio | Dial Setting | Dial Setting | Control Setting | Adjust Compensators in Order | | | | | Output Connections to Radio | Dial Setting | Dial Setting | Control Setting | Adjust Compensators in Order | | | | | |
| | | | | | 42-323 | 42-327 | 42-340 | | | | | | | 42-360 | 42-345 | 42-365 | | | |
| 1 | Aerial Section Tuning Condenser | 455 KC | 540 KC | Vol. Max. Band Switch Brdest. | 22A 22B 27A 33A | 24A 24B 29A 35A | 15A 15B 18A 32A | 25A 25B 29A 37A | 1 | Aerial Section Tuning Condenser | 455 KC | 540 KC | Vol. Max. Band Switch "Brdest." | 29A 29B 32A 34A | 29A 29B 32A 41A | | | | |
| 2 | Loop (See above Instructions) | 1720 KC | 1720 KC | " | 8B | 8B | 7 | 14A | Note A | 2 | Loop (See above Instructions) | 1720 KC | 1720 KC | " | 15 | 6B | Note A | | |
| 3 | " | 1500 KC | 1500 KC | " | 8A | 8A | 23 | 4 | | 3 | " | 1500 KC | 1500 KC | " | 9 | 13 | | | |
| 4 | " | 580 KC | 580 KC | " | 15 | 15 | 23B | 4A | Roll Tuning Condenser Note B | 4 | " | 580 KC | 580 KC | " | 9B | 13A | Roll Tuning Condenser Note B | | |
| 5 | Repeat Operation 2 | | | | | | | | | | | | | | | | | | |
| 6 | " | 15.5 MC | 15.5 MC | Band Switch S. W. | 15A 3 | 15A 3 | 7A 23A | 14 12 | Note C | 5 | " | 6.7 MC | 6.7 MC | Band Switch "Police" | 15A | 6A | | | |
| | | | | | | | | | | 6 | " | 15.5 MC | 15.5 MC | Band Switch S. W. | 15B Osc. 9A Aer. | 6 Osc. 4 | Note C | | |

NOTE A.—Adjusting Dial Pointer: 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 first mark below 540 KC.

NOTE B.—When adjusting the low frequency compensator (Broadcast) or the aerial padders of the high frequency tuning range; the receiver tuning condenser must be adjusted (rolled) as follows: First, tune the compensator for maximum output, then

vary the tuning condenser of the receiver for maximum output. Now turn the compensator slightly to the right or left and again vary the receiver tuning condenser for maximum output. This procedure of first setting the compensator and then varying the tuning condenser is continued until maximum output reading is obtained.

NOTE C.—Turn tuning condenser until pointer is on 15.5 MC mark, then adjust oscillator compensator to maximum on the second signal peak from the tight position (compensator closed). The Short Wave Aerial padder should then be "rolled" to maximum on the 15 MC signal. See Note B.



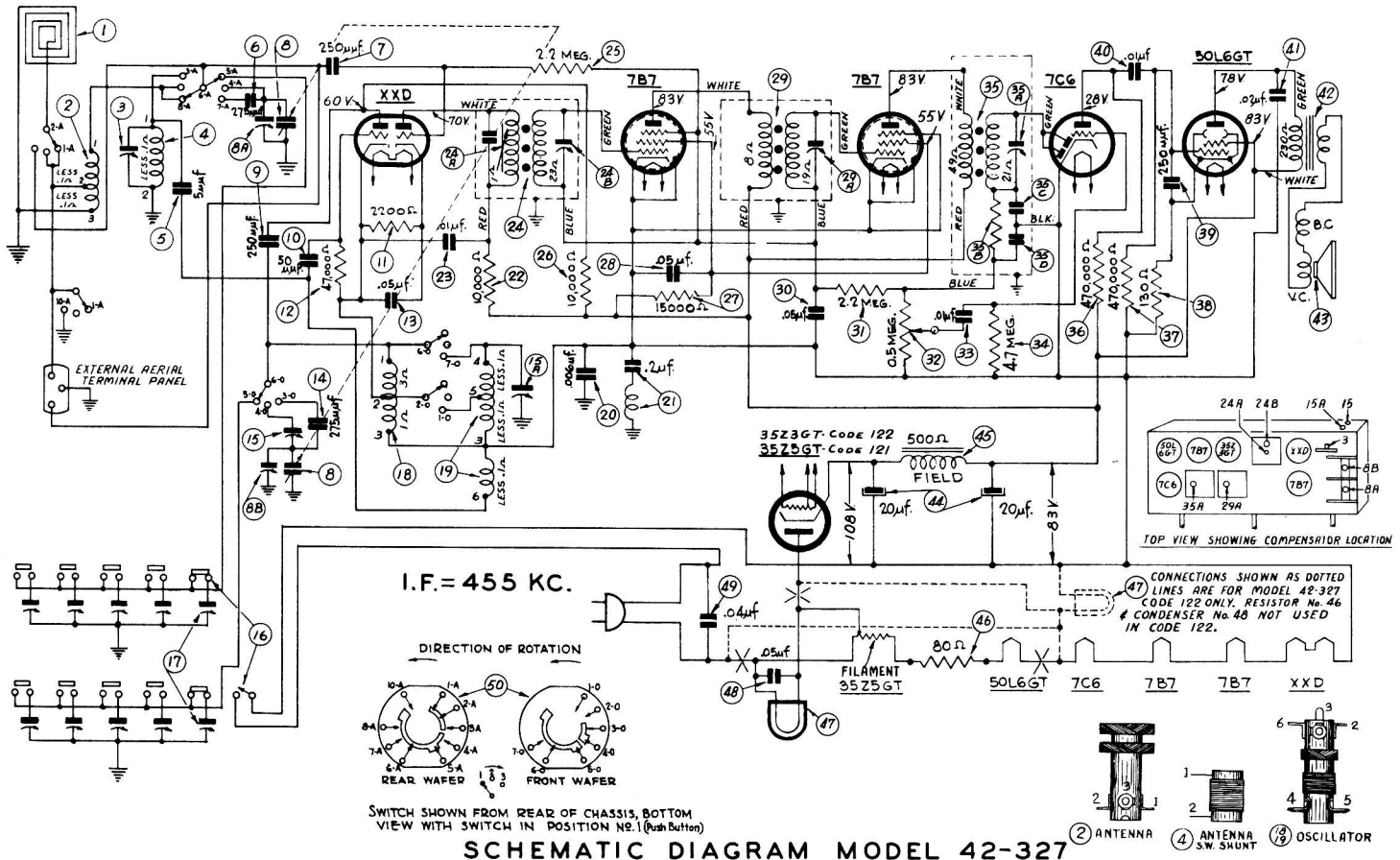
The D. C. voltages indicated at the tube elements in the above diagram were measured with a 1000 ohms per volt voltmeter. Philco Model 027. Line voltage, 117 volts A. C. No signal being received—range switch broadcast.

SCHEMATIC DIAGRAM MODEL 42-323

REPLACEMENT PARTS—Model 42-323

| Sch. No. | Description | Part No. | Sch. No. | Description | Part No. | Sch. No. | Description | Part No. |
|----------|---|-----------|----------|--|-----------|----------------------------|--|----------|
| 1. | Loop Aerial | 76-1279 | 22B. | Compensator, Part of 22 | W-1949 | Miscellaneous Parts | | |
| | Mtg. Screw | W-2071 | 23. | Resistor (2.2 megohms) | 33-522339 | | | |
| 2. | Aerial Transformer (Broadcast) | 32-3750 | 24. | Resistor (10,000 ohms) | 33-310339 | | Cable (Power) | L-3199 |
| | Mtg. Clip | 23-5002 | 25. | Condenser (.05 mfd, 200 volts) | 30-4519 | | Dial Scale | 27-5762 |
| 3. | Compensator (Aerial-S. W.) | 31-6426 | 26. | Resistor (15,000 ohms) | 33-315339 | | Dial Pointer | 56-2076 |
| 4. | Aerial Transformer (S. W.) | 32-3751 | 27. | 2nd I. F. Transformer | 32-3712 | | Knob (Tuning, Volume, Band) | 54-4136 |
| 5. | Mica Condenser (8 mmfd) | 60-080137 | | Nut | W-1949 | | Socket Assembly (Pilot Lamp) (Code 121) | 76-1177 |
| 6. | Mica Condenser (275 mmfd) | 39-1200 | 27A. | Secondary Compensator, Part of 27 | 30-4519 | | Socket Assembly (Pilot Lamp) (Code 122) | 76-1282 |
| 7. | Mica Condenser (250 mmfd) | 60-125157 | 28. | Condenser (.05 mfd, 200 volts) | 33-522339 | | Socket (Aerial) | 27-6145 |
| 8. | Tuning Condenser | 31-2555 | 29. | Resistor (2.2 megohms) | 33-5458 | | Rivet | W-207 |
| | Drive Cord | 31-2553 | 30. | Volume Control (.5 megohm) | W-2157 | | Socket (Loktal Tubes) | 27-6177 |
| | Drive Shaft | 76-1323 | | Mtg. Nut | 30-4572 | | Socket (Octal Tubes) | 27-6174 |
| | "C" Washer | 28-5990 | 31. | Condenser (.01 mfd, 400 volts) | 30-4572 | | Rivet | W-239 |
| | Mtg. Screw (Cond.) | 27-4596 | 32. | Resistor (4.7 megohms) | 33-547339 | | Screw (Chassis Mtg.) | W-2080 |
| | Rubber Grommet (2 required) | 54-4020 | 33. | 3rd I. F. Transformer | 32-3713 | | Washer (Chassis Mtg.) | W-410 |
| | Rubber Grommet (1 required) | 28-8954 | | Nut | W-1949 | | | |
| | Spring (Drive Cord) | 28-5663 | 33A. | Secondary Compensator, Part of 33 | | | | |
| | Sleeve | W-758 | 33B. | Resistor (47,000 ohms), Part of 33 | | | | |
| | Washer | 27-4596 | 33C. | Condenser (100 mmfd), Part of 33A | | | | |
| 8A. | Compensator (Aerial—1500 KC). | 60-125157 | 33D. | Condenser (100 mmfd), Part of 33A | | | | |
| | Part of 8 | 31-2555 | 34. | Resistor (470,000 ohms) | 33-447339 | | | |
| 8B. | Compensator (Oscillator—1720 KC). | 60-050157 | 35. | Resistor (470,000 ohms) | 33-447339 | | | |
| | Part of 8 | 33-222339 | 36. | Resistor (130 ohms) | 33-113336 | | | |
| 9. | Mica Condenser (250 mmfd) | 33-347339 | 37. | Mica Condenser (250 mmfd) | 60-125157 | | | |
| 10. | Mica Condenser (50 mmfd) | 30-4519 | 38. | Condenser (.01 mfd, 400 volts) | 30-4572 | | | |
| 11. | Resistor (2200 ohms) | 30-1200 | 39. | Condenser (.02 mfd, 400 volts) | 30-4516 | | | |
| 12. | Resistor (47,000 ohms) | 31-6434 | 40. | Output Transformer | 32-8173 | | | |
| 13. | Condenser (.05 mfd, 200 volts) | 31-6453 | 41. | Speaker | 36-1544-9 | | | |
| 14. | Mica Condenser (275 mmfd) | 36-4190 | | Cone Assembly (For Speaker 36-1544-9) | 36-4190 | | | |
| 15. | Compensator (Brdest.— Code 121 380 KC) | 32-3715 | 42. | Field Coil (Replace Speaker 36-1544) | 30-2503 | | | |
| 15A. | Compensator (S. W.—15 MC). | 33-222339 | 43. | Electrolytic Condenser (20, 20 mfd) | 56-1466 | | | |
| 16. | Oscillator Transformer (Broadcast) | 30-4591 | 44. | Clamp | 33-3406 | | | |
| 17. | Oscillator Transformer (S. W.) | 76-1161 | 45. | Pilot Lamp (Code 121) | 34-2068 | | | |
| | Part of 16 | 30-4572 | 46. | Condenser (.05 mfd, 200 volts) | 34-2477 | | | |
| 18. | Condenser (.006 mfd, 400 volts) | 33-310339 | 47. | Condenser (.04 mfd, 400 volts) | 30-4119 | | | |
| 19. | Condenser, 2 mfd, and R. F. Choke Assembly | 32-3711 | 48. | Band Switch | 42-1671 | | | |
| 20. | Condenser (.01 mfd, 400 volts) | | | | | | | |
| 21. | Resistor (10,000 ohms) | | | | | | | |
| 22. | 1st I. F. Transformer | | | | | | | |
| 22A. | Compensator, Part of 22 | | | | | | | |

FIG. 1—PART LOCATIONS, UNDERSIDE OF CHASSIS, MODEL 42-323

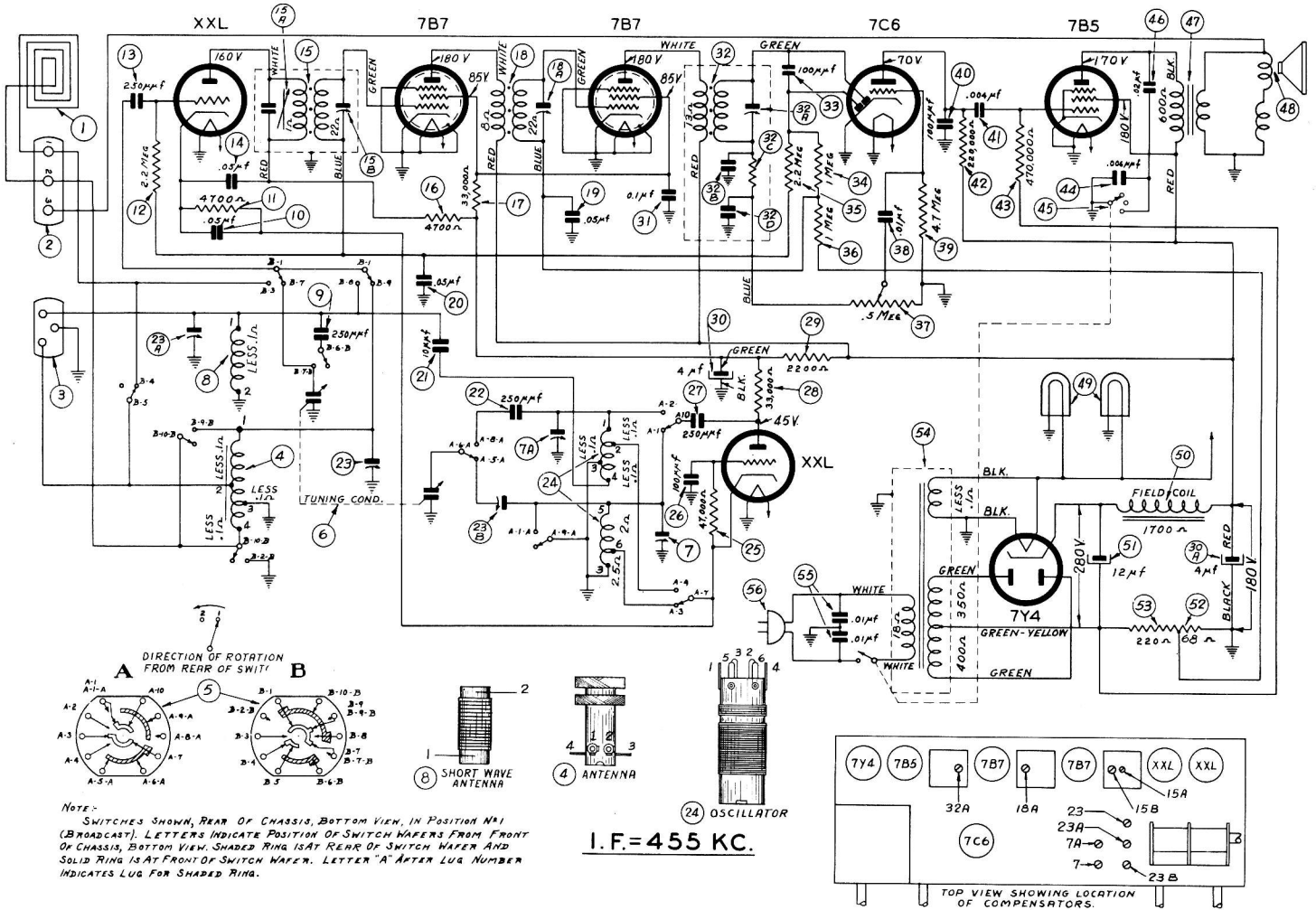


The D. C. voltages indicated at the tube elements in the above diagram were measured with a 1000 ohms per volt voltmeter. Philco Model 027. Line voltage, 117 volts A. C. No signal being received—range switch broadcast.

REPLACEMENT PARTS—Model 42-327

| Sch. No. | Description | Part No. | Sch. No. | Description | Part No. | Sch. No. | Description | Part No. |
|----------|--|-----------|----------|--|-----------|----------------------------|--------------------------------|----------|
| 1. | Loop Aerial Mtg. Screw | 76-1279 | 24A. | Compensator Primary of (24) | W-2071 | 49. | Condenser (.04 mfd, 400 volts) | 30-4119 |
| 1A. | External Aerial Socket Rivet | 27-6145 | 24B. | Compensator (Part of 24) | W-2071 | 50. | Band Switch | 42-1688 |
| 2. | Aerial Transformer (Broadcast) Mtg. Clip | 32-3714 | 24C. | Condenser (Part of 24) | W-207 | Miscellaneous Parts | | |
| 3. | Compensator (Aerial—S. W.) Mtg. Clip | 28-5002 | 25. | Resistor (2.2 megohms) | 33-522339 | | Cable (Power) | L-3199 |
| 4. | Aerial Transformer (S. W.) Mtg. Clip | 32-3716 | 26. | Resistor (10,000 ohms) | 33-310339 | | Cabinet (Complete) | 10561-A |
| 5. | Mica Condenser (5 mmfd) | 31-6426 | 27. | Resistor (15,000 ohms) | 33-315339 | | Dial Scale | 27-5754 |
| 6. | Mica Condenser (275 mmfd) | 32-3716 | 28. | Condenser (.05 mfd, 200 volts) | 30-4519 | | Dial Pointer | 56-2076 |
| 7. | Mica Condenser (250 mmfd) | 60-125157 | 29. | 2nd I. F. Transformer Mtg. Nut | 32-3712 | | Escutcheon (Push-Button) | 56-2233 |
| 8. | Tuning Condenser Drive Shaft | 31-2555 | 29A. | Compensator (Part of 29) | W-1949 | | Mtg. Screw | W-2071 |
| | "C" Washer | 76-1276 | 30. | Condenser (.05 mfd, 200 volts) | 30-4519 | | Knob (Tuning, Volume, Tone) | 54-4101 |
| | Drive Cord | 28-5990 | 31. | Resistor (2.2 megohms) | 33-522339 | | Knob (Push-Button) | 54-4125 |
| | Rubber Grommet | 31-2553 | 32. | Volume Control Mtg. Nut | 33-5448 | | Socket (Tubes) | 27-6177 |
| | Rubber Grommet | 27-4596 | 33. | Condenser (.01 mfd, 400 volts) | W-2157 | | Rivet | W-239 |
| | Sleeve | 54-4020 | 34. | Resistor (4.7 megohms) | 30-4572 | | Screw (Chassis Mtg.) | W-765 |
| | Spring (Drive Cord) | 28-5665 | 35. | 3rd I. F. Transformer | 33-547339 | | Terminal Panel | 38-9579 |
| | Screw | 28-8954 | 35A. | Compensator (Part of 35) | 32-3713 | | Terminal Panel | 76-1257 |
| | Washer | W-410 | 35B. | Resistor (Part of 35) | | | Tab (ON-OFF) | 27-5738 |
| 9. | Mica Condenser (250 mmfd) | 60-125157 | 35C. | Condenser (Part of 35A) | | | Tab Cover | 27-5737 |
| 10. | Mica Condenser (50 mmfd) | 60-050157 | 35D. | Condenser (Part of 35A) | | | Tab Kit | 40-6660 |
| 11. | Resistor (2200 ohms) | 33-222339 | 36. | Resistor (470,000 ohms) | 33-447339 | | Washer (Chassis Mtg.) | W-410 |
| 12. | Resistor (47,000 ohms) | 33-347339 | 37. | Resistor (470,000 ohms) | 33-447339 | | | |
| 13. | Condenser (.05 mfd, 200 volts) | 30-4519 | 38. | Resistor (130 ohms) | 33-113336 | | | |
| 14. | Mica Condenser (275 mmfd) | 30-1200 | 39. | Mica Condenser (250 mmfd) | 60-125157 | | | |
| 15. | Compensator (Broadcast—580 KC) | 31-6434 | 40. | Condenser (.01 mfd, 400 volts) | 30-4572 | | | |
| 16. | Push-Button Switch | 42-1708 | 41. | Condenser (.02 mfd, 400 volts) | 30-4516 | | | |
| 17. | Push-Button Compensator Assembly Mtg. Screw | 31-6424 | 42. | Output Transformer | 32-8173 | | | |
| 18. | Oscillator Transformer (Broadcast) Mtg. Clip | W-1974 | 43. | Speaker Cone Assembly (For Speaker 36-1544-9) | 36-1544-9 | | | |
| 19. | Oscillator Transformer (S. W.) (Part of 18) | 32-3715 | 44. | Electrolytic Condenser (20-20 mfd) Mtg. Clamp | 30-2503 | | | |
| 20. | Condenser (.006 mfd, 400 volts) | 28-5002 | 45. | Field Coil (Replace Speaker 36-1544) | 56-1466 | | | |
| 21. | Condenser (.2 mfd and R. F. Choke Assembly) | 76-1161 | 46. | Filament Resistor (80 ohms) (Used in Code 121 only) | 33-3406 | | | |
| 22. | Resistor (10,000 ohms) | 33-310339 | 47. | Pilot Lamp (6 volts—Code 121) | 34-2068 | | | |
| 23. | Condenser (.01 mfd, 400 volts) | 30-4572 | | Socket Assembly (Code 121) | 76-1177 | | | |
| 24. | 1st I. F. Transformer Mtg. Nut | 32-3711 | | Pilot Lamp (115 volts—Code 122) | 34-2477 | | | |
| | | W-1949 | | Socket Assembly (Code 122) | 76-1282 | | | |
| | | | 48. | Condenser (.05 mfd, 200 volts) (Used in Code 121 only) | 30-4519 | | | |

FIG. 2—PART LOCATIONS, UNDERSIDE OF CHASSIS, MODEL 42-327



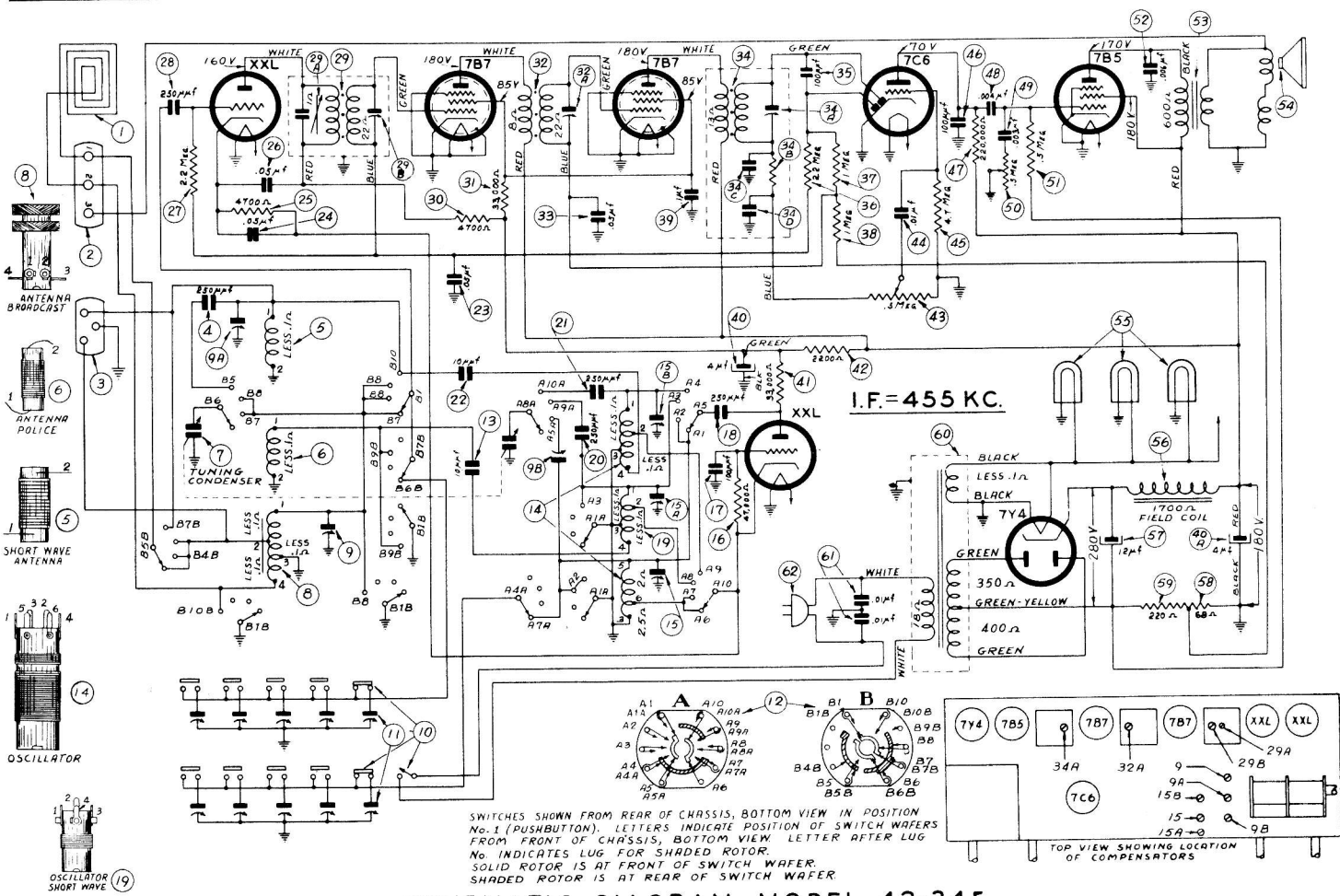
SCHEMATIC DIAGRAM MODEL 42-340

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—range switch broadcast.

REPLACEMENT PARTS—Model 42-340

| Sch. No. | Description | Part No. | Sch. No. | Description | Part No. | Sch. No. | Description | Part No. |
|----------|---|-----------|----------|--|-----------|----------------------------|---|-----------|
| 1. | Loop Aerial Mtg. Screw | 76-1270 | 23B. | Compensator (Oscillator—580 KC) (Part of 23) | | 52. | Resistor (68 ohms) | 33-068336 |
| 2. | Loop Terminal Panel | 38-9942 | 24. | Oscillator Transformer | 32-3723 | 53. | Resistor (220 ohms) | 33-122436 |
| 3. | External Aerial Socket | 27-6145 | | Mtg. Clip | 28-5003 | 54. | Power Transformer (115 volts, 60 cycle) | 32-8064 |
| 4. | Aerial Transformer (Broadcast) | 32-9724 | 25. | Resistor (47,000 ohms) | 33-347339 | | Shield | 56-1525 |
| 5. | Mtg. Clip | 28-5002 | 26. | Mica Condenser (100 mmfd) | 60-110257 | | Shield Base | 56-1526 |
| 6. | Band Switch | 42-1672 | 27. | Mica Condenser (250 mmfd) | 20-025011 | | Mtg. Screw | W-453 |
| | Mtg. Nut | W-2157 | 28. | Resistor (33,000 ohms) | 33-333339 | 55. | Power Transformer (115 volts, 25 cycle) | |
| | Drive Cord (Pointer) | 31-2558 | 30. | Electrolytic Condenser (4-4 mfd, 400 volts) | 30-2477 | 56. | Condenser (.01-.01 mfd) | 3903-ODG |
| | Drive Cord (Tuning Cond.) | 31-2547 | 30A. | Electrolytic Condenser (4 mfd) (Part of 30) | | | Power Cord | L-3199 |
| | Drive Shaft | 31-2546 | 31. | Condenser (.1 mfd, 400 volts) | 30-4527 | Miscellaneous Parts | | |
| | Mtg. Nut | 56-6152 | 32. | 3rd I. F. Transformer | 32-3640 | | | |
| | Drive Drum (Tuning Cond.) | 38-9883 | | Mtg. Nut | W-1949 | Dial Scale | 27-5755 | |
| | Mtg. Rubber | 27-4596 | 32A. | Secondary Compensator (Part of 32) | | Dial Pointer | 56-2289 | |
| | Mtg. Sleeve | 28-3806 | 32B. | Condenser (Part of 32A) | | Knob Assembly | 54-4102 | |
| | Spring (Tuning Condenser Cord Drive) | 28-8751 | 32C. | Resistor (Part of 32) | | Sockets | 27-6177 | |
| | Spring (Pointer Drive Cord) | 28-3953 | 32D. | Condenser (Part of 32A) | | Mtg. Rivets | W-239 | |
| 7. | Compensator (Broadcast, Aerial) | 31-6438 | 33. | Mica Condenser (100 mmfd) | 60-110257 | Screw (Mtg. Chassis) | W-2080 | |
| 7A. | Compensator (Short Wave—Aerial) (Part of 7) | | 34. | Resistor (1 megohm) | 33-510339 | Washer (Mtg. Chassis) | W-410 | |
| 8. | Aerial Transformer (Short Wave) | 32-3725 | 35. | Resistor (2.2 megohms) | 33-522339 | | | |
| 9. | Mica Condenser (250 mmfd) | 20-026011 | 36. | Resistor (1 megohm) | 33-510339 | | | |
| 10. | Condenser (.05 mfd, 200 volts) | 30-4519 | 37. | Volume Control | 33-5443 | | | |
| 11. | Resistor (4700 ohms) | 33-247339 | | Mtg. Nut | W-2157 | | | |
| 12. | Resistor (2.2 megohms) | 33-522339 | 38. | Condenser (.01 mfd, 400 volts) | 30-4572 | | | |
| 13. | Mica Condenser (250 mmfd) | 60-125257 | 39. | Resistor (4.7 megohms) | 33-547339 | | | |
| 14. | Condenser (.05 mfd, 400 v.) | 30-4518 | 40. | Mica Condenser (100 mmfd) | 60-110257 | | | |
| 15. | 1st I. F. Transformer | 32-3734 | 41. | Condenser (.004 mfd, 600 volts) | 30-4623 | | | |
| | Mtg. Nut | W-1949 | 42. | Resistor (220,000 ohms) | 33-442339 | | | |
| 15A. | Primary Compensator (Part of 15) | | 43. | Resistor (470,000 ohms) | 33-447339 | | | |
| 15B. | Secondary Compensator (Part of 15) | | 44. | Condenser (.006 mfd, 400 volts) | 30-4591 | | | |
| 15C. | Condenser (Part of 15) | | 45. | Tone Control and Power Switch | 42-1665 | | | |
| 16. | Resistor (4700 ohms) | 33-247339 | | Mtg. Nut | W-2157 | | | |
| 17. | Resistor (33,000 ohms) | 33-333339 | 46. | Condenser (.02 mfd, 400 volts) | 30-4516 | | | |
| 18. | 2nd I. F. Transformer | 32-3705 | 47. | Output Transformer | 32-8172 | | | |
| | Mtg. Nut | W-1949 | 48. | Speaker | 36-1543-9 | | | |
| 18A. | Secondary Compensator (Part of 18) | | | Cone Assembly (For Speaker 36-1543) | 36-4206 | | | |
| 19. | Condenser (.05 mfd, 200 volts) | 30-4519 | 49. | Pilot Lamps | 34-2064 | | | |
| 20. | Condenser (.05 mfd, 200 volts) | 30-4519 | | Socket Assembly | 76-1287 | | | |
| 21. | Mica Condenser (10 mmfd) | 60-010337 | 50. | Field Coil (Replace Speaker 36-1543) | | | | |
| 22. | Mica Condenser (250 mmfd) | 20-025011 | 51. | Electrolytic Condenser (12 mfd, 400 volts) | 30-2409 | | | |
| 23. | Compensator (Oscillator—Broadcast) | 31-6428 | | Mtg. Clamp | 56-1466 | | | |
| 23A. | Compensator (Oscillator—S. W.) (Part of 23) | | | | | | | |

FIG. 3—PART LOCATIONS, UNDERSIDE OF CHASSIS, MODEL 42-340



SCHEMATIC DIAGRAM MODEL 42-345

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—range switch broadcast.

REPLACEMENT PARTS—Model 42-345

| Sch. No. | Description | Part No. | No. Sch. | Description | Part No. | Sch. No. | Description | Part No. |
|----------|------------------------------------|-----------|----------|---|-----------|----------|--|-----------|
| 1. | Loop Aerial | 76-1303 | 23. | Condenser (.05 mfd, 200 volts) | 30-4519 | 56. | Field Coil (Replace Speaker) | 36-1543 |
| 2. | Mtg. Screw | W-2071 | 24. | Condenser (.05 mfd, 200 volts) | 30-4519 | 57. | Electrolytic Condenser (12 mfd, 400 volts) | 30-2409 |
| 3. | Loop Terminal Panel | 38-9942 | 25. | Resistor (4700 ohms) | 33-24339 | 58. | Resistor (68 ohms) | 33-068336 |
| 4. | External Aerial Socket | 27-6145 | 26. | Condenser (.05 mfd, 400 volts) | 30-4518 | 59. | Resistor (220 ohms) | 33-122436 |
| 5. | Silver Mica Condenser (250 mmfd) | 20-025011 | 27. | Resistor (2.2 megohms) | 33-522339 | 60. | Power Transformer (115 volts, 60 cycle) | 32-8064 |
| 6. | Aerial Transformer (S. W.) | 32-3764 | 28. | Mica Condenser (250 mmfd) | 60-125257 | | Power Transformer (115 volts, 25 cycle) | |
| 7. | Aerial Transformer (Police) | 32-3766 | 29. | 1st I. F. Transformer | 32-3734 | | Shield | 56-1525 |
| 8. | Tuning Condenser | 31-2558 | 30. | Mtg. Nut | W-1949 | | Shield Base | 56-1526 |
| 9. | Drive Shaft | 29A | 31. | Primary Compensator (Part of 29) | | | Mtg. Screw | 3903-0143 |
| 10. | Mtg. Screw | W-2157 | 32. | Condenser (4700 ohms) | 33-24339 | | Line Filter Condenser (.01-.01 mfd) | 1-3199 |
| 11. | Drive Drum | 38-9883 | 33. | Resistor (33,000 ohms) | 32-3705 | | Power Cord | |
| 12. | Drive Cord (Pointer) | 31-2594 | 34. | 2nd I. F. Transformer | W-1949 | | Miscellaneous Parts | |
| 13. | Spring | 28-8953 | 34A. | Mtg. Nut | 30-4519 | | Cabinet | 10570A |
| 14. | Drive Cord (Cond. Drive) | 31-2546 | 34B. | Secondary Compensator (Part of 34) | 32-3640 | | Dial | 27-5759 |
| 15. | Spring | 28-8751 | 34C. | Mtg. Nut | W-1949 | | Pointer | 56-1856 |
| 16. | Pointer | 56-1856 | 34D. | Resistor (Part of 34) | | | Escutcheon (Push-Buttons) | 56-2233 |
| 17. | Mtg. Screw | W-2002 | 35. | Condenser (Part of 34A) | | | Knob (Tuning, Volume, Tone) | 54-4115 |
| 18. | Mtg. Sleeve | 28-3806 | 36. | Condenser (Part of 34A) | | | Knob (Push-Buttons) | 54-4108 |
| 19. | Mtg. Rubber | 27-4596 | 37. | Mica Condenser (100 mmfd) | 60-110257 | | Socket (Tubes) | 27-6177 |
| 20. | Aerial Transformer (Broadcast) | 32-3763 | 38. | Resistor (2.2 megohms) | 33-522339 | | Screw (Chassis Mtg.) | 40-6660 |
| 21. | Compensator (Aerial—Broadcast) | | 39. | Resistor (1 megohm) | 33-510339 | | Tab Cover | 27-5737 |
| 22. | Compensator (Aerial—S. W.) | | 40. | Resistor (1 megohm) | 33-510339 | | Tab (ON-OFF) | 27-5738 |
| 23. | Compensator (Oscillator—Broadcast) | | 41. | Condenser (.1 mfd, 400 volts) | 30-4527 | | Washer (Chassis Mtg.) | W-410 |
| 24. | Compensator (Oscillator—Police) | | 42. | Electrolytic Condenser (4-4 mfd, 400 volts) | 30-2477 | | | |
| 25. | Compensator (Oscillator—S. W.) | | 43. | Electrolytic Condenser (4 mfd, 400 volts) | | | | |
| 26. | Resistor (47,000 ohms) | 33-347339 | 44. | Mtg. Clip | 56-1466 | | | |
| 27. | Mica Condenser (100 mmfd) | 60-110257 | 45. | Resistor (33,000 ohms) | 33-333339 | | | |
| 28. | Mica Condenser (250 mmfd) | 60-125257 | 46. | Resistor (2200 ohms) | 33-223339 | | | |
| 29. | Oscillator Transformer (Police) | 32-3765 | 47. | Volume Control | 33-5443 | | | |
| 30. | Mica Condenser (2500 mmfd) | 60-225324 | 48. | Mtg. Nut | W-2157 | | | |
| 31. | Silver Mica Condenser (250 mmfd) | 20-025011 | 49. | Condenser (.01 mfd, 400 volts) | 30-4572 | | | |
| 32. | Mica Condenser (10 mmfd) | 60-010337 | 50. | Resistor (4.7 megohms) | 33-547339 | | | |
| | | | 51. | Mica Condenser (100 mmfd) | 60-110257 | | | |
| | | | 52. | Resistor (220,000 ohms) | 33-422339 | | | |
| | | | 53. | Condenser (.004 mfd, 600 volts) | 30-4469 | | | |
| | | | 54. | Condenser (.003 mfd, 100 volts) | 33-5450 | | | |
| | | | 55. | Tone Control | 33-447339 | | | |
| | | | | Mtg. Nut | W-2157 | | | |
| | | | | Resistor (470,000 ohms) | 33-447339 | | | |
| | | | | Condenser (.006 mfd, 400 volts) | 30-4591 | | | |
| | | | | Output Transformer | 32-8172 | | | |
| | | | | Speaker | 36-1543-9 | | | |
| | | | | Cone Assembly (For Speaker) | 36-4206 | | | |
| | | | | 36-1543-9) | 36-2064 | | | |
| | | | | Pilot Lamps | 76-1287 | | | |
| | | | | Socket Assembly | | | | |

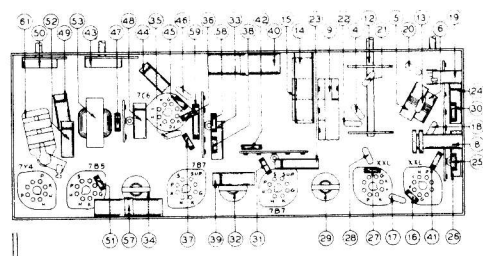
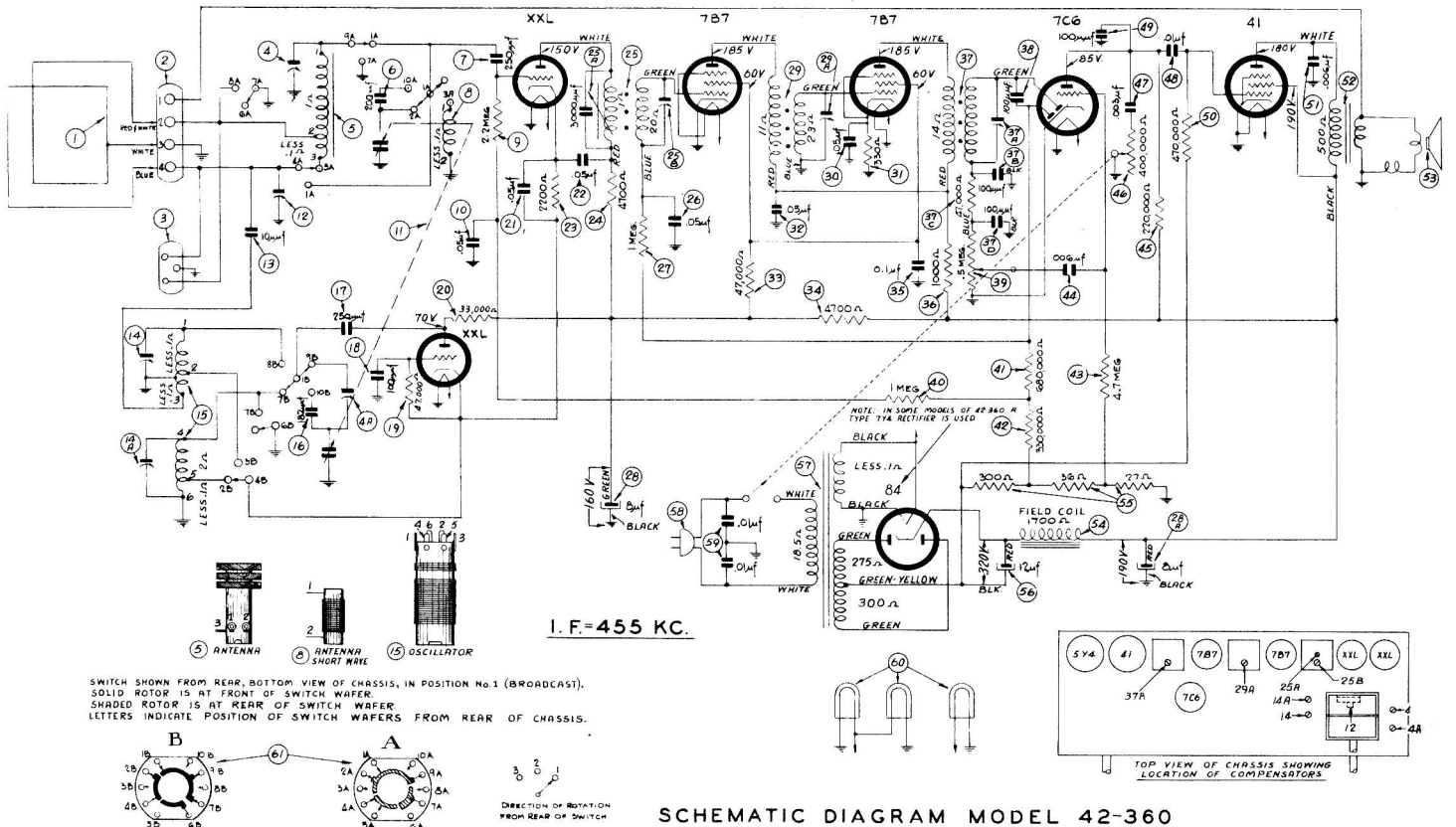


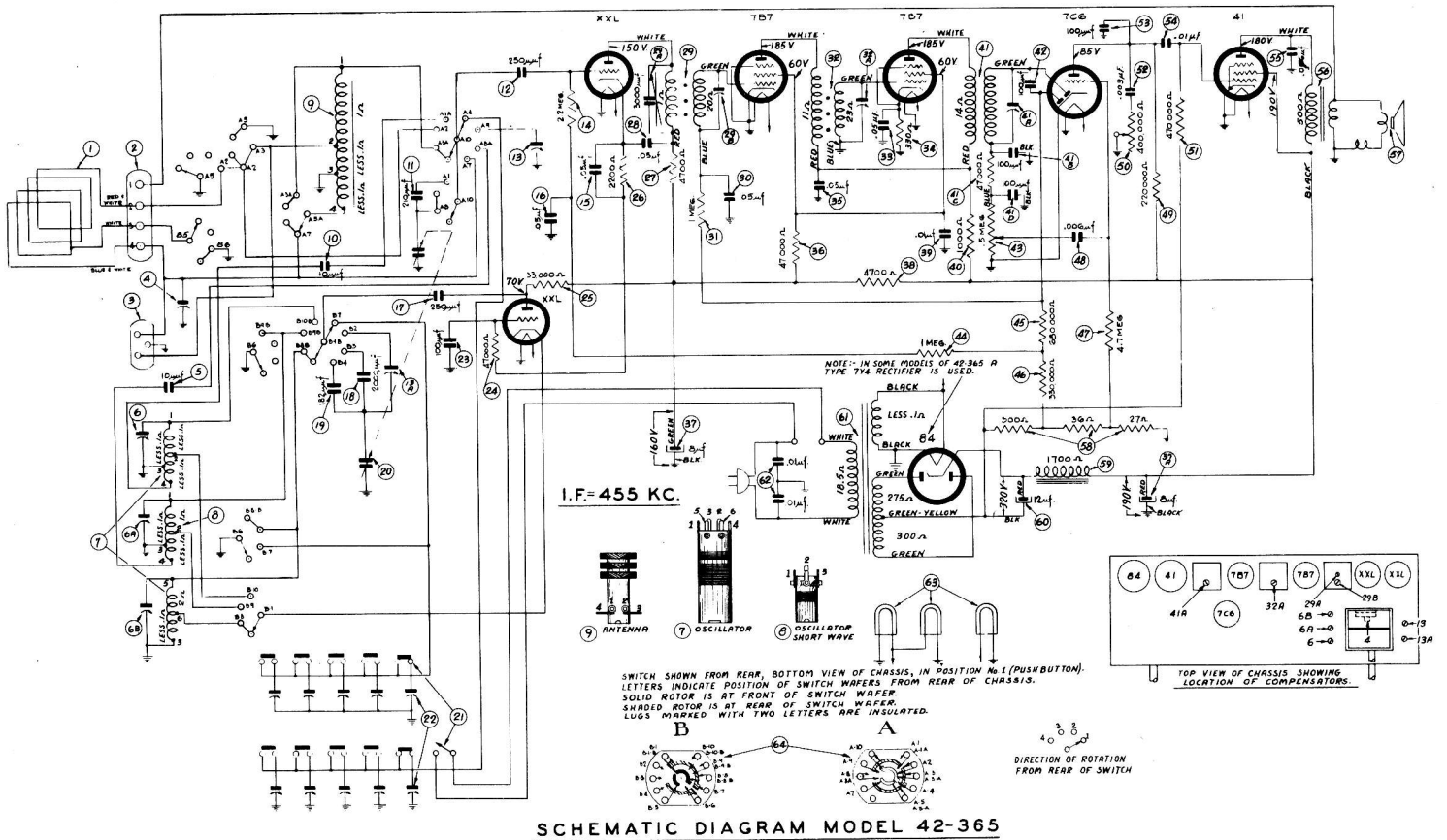
FIG. 4—PART LOCATIONS, UNDERSIDE OF CHASSIS, MODEL 42-345



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—range switch broadcast.

REPLACEMENT PARTS—Model 42-360

| Sch. No. | Description | Part No. | Sch. No. | Description | Part No. | Sch. No. | Description | Part No. |
|----------|---|-----------|----------|---|------------------------|---|---|----------|
| 1. | Loop Aerial | 76-1271 | 25B. | Secondary Compensator (Part of 25) | W-1949 | 57. | Power Transformer (115 volts, 60 cycle) | 32-8117 |
| | Spring Washer | 28-4186 | 26. | Condenser (.05 mfd, 200 volts) | 30-4519 | | Power Transformer (115 volts, 25 cycle) | L-3199 |
| | Sleeve | 28-3806 | 27. | Resistor (1 megohm) | 33-510339 | 58. | Power Cord | 3903-DG |
| | Sleeve | 56-1545 | 28. | Electrolytic Condenser (8-8 mfd, 400 volts) | 30-2476 | 59. | Filter Condenser (Power Line) | 34-2064 |
| | Screw (Loop Mtg.) | W-288 | 29. | 2nd I. F. Transformer | 32-3639 | 60. | Pilot Lamps (Dial) | 34-2068 |
| | Washer (3 required) | W-425 | 29A. | Secondary Compensator (Part of 29) | W-1949 | | Pilot Lamps (Indicator) | 76-1316 |
| | Washer (1 required) | W-425 | | Mtg. Nut | 30-4518 | | Socket Assembly (Pilot Lamp Dial) | 76-1078 |
| 2. | Terminal Panel | 38-9870 | 30. | Condenser (.05 mfd, 200 volts) | 33-133336 | | Socket Assembly (Indicator Pilot Lamp) | 76-1078 |
| 3. | External Aerial Socket | 27-6145 | 31. | Resistor (330 ohms) | 33-347339 | 61. | Band Switch | 42-1673 |
| 4. | Compensator (Broadcast Aerial) | W-207 | 32. | Condenser (.05 mfd, 400 volts) | 33-247339 | | Mtg. Nut | W-2157 |
| 4A. | Compensator (Oscillator—Brdst.—580KC) (Part of 4) | 31-6365 | 33. | Resistor (47,000 ohms) | 30-4527 | Miscellaneous Parts | | |
| | Mtg. Rivet | W-239 | 34. | Resistor (4700 ohms) | 33-210339 | | | |
| 5. | Aerial Transformer (Brdst. Band) | 32-3726 | 35. | Condenser (.1 mfd, 400 volts) | 30-4527 | | Mtg. Screw | W-2071 |
| | Mtg. Clip | 28-5002 | 36. | Resistor (1000 ohms) | 33-468339 | | Cabinet | 10543-C |
| 6. | Mica Condenser (200 mmfd) | 30-1205 | 37. | 3rd I. F. Transformer | 33-433339 | | Dial | 27-5744 |
| 7. | Mica Condenser (250 mmfd) | 60-125157 | 37A. | Secondary Compensator (Part of 37) | 33-547339 | | Pointer | 58-1856 |
| 8. | Aerial Transformer (S. W. Band) | 32-3768 | 37B. | Condenser (100 mmfd) (Part of 37) | 30-4591 | | Spring Fastener | 56-6127 |
| | Mtg. Clip | 28-5002 | 37C. | Resistor (47,000 ohms) (Part of 37) | 30-4591 | | Knob | 54-4105 |
| 9. | Resistor (2.2 megohms) | 33-522339 | 37D. | Condenser (100 mmfd) (Part of 37) | 33-473339 | | Indicator Arm and Link Assembly | 76-1272 |
| 10. | Condenser (.05 mfd, 200 volts) | 30-4519 | 37D. | Condenser (100 mmfd) (Part of 37) | 33-473339 | | Rubber Corners (Chassis) | 54-4015 |
| 11. | Tuning Condenser | 31-2481 | 38. | Condenser (100 mmfd) | 30-4591 | | Rubber Grommet (Chassis Mtg.) | 27-4571 |
| | Tuning Shaft | 56-6141 | 39. | Volume Control | 33-5451 | | Screw (Chassis Mtg.) | W-1345 |
| | "C" Washer | 28-2043 | 40. | Resistor (1 megohm) | W-2157 | | Socket (5 prong) | 27-6158 |
| | Drive Drum | 38-9883 | 41. | Resistor (680,000 ohms) | 30-4532 | | Socket (LOKAL TUBES) | 27-6177 |
| | Drive Cord (Pointer) | 31-2597 | 42. | Resistor (330,000 ohms) | 30-4572 | | Mtg. Rivet | W-239 |
| | Drive Cord (Tuning Cond.) | 31-2400 | 43. | Resistor (4.7 megohms) | 60-110157 | | Washer (Chassis Mtg.) | 28-5114 |
| | Insulating Bushing | 27-9437 | 44. | Condenser (.006 mfd, 400 volts) | 33-5463 | FIG. 5—PART LOCATIONS, UNDERSIDE OF CHASSIS, MODEL 42-360 | | |
| | Rubber Connector | 27-9432 | 45. | Resistor (220,000 ohms) | W-2157 | | | |
| | Mtg. Grommet | 27-4596 | 46. | Tone Control | 30-4572 | | | |
| | Mtg. Sleeve | 28-3806 | 47. | Mtg. Nut | 60-110157 | | | |
| | Spring (Cond. Drive Cord) | 28-8751 | 48. | Condenser (.003 mfd, 600 volts) | 33-5451 | | | |
| | Spring (Pointer Drive Cord) | 28-8953 | 49. | Condenser (.01 mfd, 400 volts) | W-2157 | | | |
| | Screw (Mtg. Cond.) | W-2002 | 50. | Mica Condenser (100 mmfd) | 30-4572 | | | |
| 12. | Compensator (S. W. Aerial) | 31-6384 | 51. | Resistor (470,000 ohms) | 60-110157 | | | |
| 13. | Mica Condenser (10 mmfd) | 60-010337 | 52. | Condenser (.006 mfd, 400 volts) | 33-447339 | | | |
| 14. | Compensator (Oscillator—S. W.) | 31-6364 | 53. | Output Transformer | 30-4591 | | | |
| 14A. | Compensator (Oscillator—Broadcast) (Part of 14) | 31-6364 | | Speaker | 32-8116 | | | |
| | Mtg. Rivet | W-239 | | Cone Assembly (For Speaker 36-1513-3) | 36-1513-3 or 36-1513-4 | | | |
| 15. | Oscillator Transformer | 32-3727 | | Cone Assembly (For Speaker 36-1513-4) | 36-4164 | | | |
| | Mtg. Clip | 28-5003 | | Cable (Speaker) | 36-4169 | | | |
| 16. | Mica Condenser (182 mmfd) | 30-1208 | | Mtg. Nut (Speaker) | 41-3541 | | | |
| 17. | Mica Condenser (250 mmfd) | 60-125157 | | Field Coil (Replace Speaker) | W-124 | | | |
| 18. | Mica Condenser (100 mmfd) | 60-110157 | | Bias Resistor (27-36-300 ohms) | 33-3392 | | | |
| 19. | Resistor (47,000 ohms) | 33-347339 | | Electrolytic Condenser (12 mfd, 400 volts) | 30-2471 | | | |
| 20. | Resistor (33,000 ohms) | 33-333339 | | | | | | |
| 21. | Condenser (.05 mfd, 200 volts) | 30-4519 | | | | | | |
| 22. | Condenser (.05 mfd, 400 volts) | 30-4518 | | | | | | |
| 23. | Resistor (2200 ohms) | 33-222339 | | | | | | |
| 24. | Resistor (4700 ohms) | 33-247339 | | | | | | |
| 25. | 1st I. F. Transformer | 32-3465 | | | | | | |
| 25A. | Primary Compensator (Part of 25) | | | | | | | |



SCHEMATIC DIAGRAM MODEL 42-365

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—range switch broadcast.

REPLACEMENT PARTS—Model 42-365

| Sch. No. | Description | Part No. | Sch. No. | Description | Part No. | No. Sch. | Description | Part No. |
|----------|--|-----------|----------|--|------------------------|----------|--|----------|
| 1. | Loop Aerial | 76-1305 | 29A. | Primary Compensator (Part of 29) | | 61. | Power Transformer (115 volts, 60 cycles) | 32-8117 |
| | Sleeve (Mtg. Loop) | 28-3806 | 29B. | Secondary Compensator (Part of 29) | | | Power Transformer (115 volts, 25 cycles) | |
| | Spring Washer | 56-1545 | 30. | Condenser (.05 mfd, 200 volts) | 30-4519 | 62. | Power Line Filter Condenser | 3903-DG |
| | Screw (Loop Mtg.) | 28-4186 | 31. | Resistor (1 megohm) | 33-510339 | 63. | Pilot Lamp (Dial) | 34-2064 |
| | Washer (Loop Mtg.) | W-288 | 32. | 2nd I. F. Transformer | 32-8639 | | Pilot Lamp (Indicator) | 34-2068 |
| 2. | Terminal Panel (Loop Aerial) | 38-9870 | | Mtg. Nut | W-1949 | | Socket Assembly (Dial Light) | 76-1316 |
| 3. | External Aerial Socket | 27-6145 | 32A. | Secondary Compensator (Part of 32) | | | Socket Assembly (Indicator) | 76-1078 |
| | Mtg. Rivet | W-207 | 33. | Condenser (.05 mfd, 200 volts) | 30-4519 | | Light Shield | 56-2194 |
| 4. | Compensator (S. W. Aerial) | 60-010337 | 34. | Resistor (330 ohms) | 33-133336 | 64. | Band Switch | 42-1683 |
| 5. | Mica Condenser (10 mmfd) | 31-6384 | 35. | Condenser (.05 mfd, 400 volts) | 30-4518 | | Mtg. Nut | W-2157 |
| 6. | Compensator (Oscillator—S. W.) | 31-6374 | 36. | Resistor (47,000 ohms) | 33-347339 | | | |
| 6A. | Compensator (Oscillator—Police) | | 37. | Electrolytic Condenser (8-8 mfd) | 30-2476 | | | |
| | (Part of 6) | | 37A. | Electrolytic Condenser (8 mfd) | | | | |
| 6B. | Compensator (Oscillator—Broadcast) | | | (Part of 37) | | | | |
| | (Part of 6) | | | Mtg. Clamp | 56-1452 | | | |
| 7. | Oscillator Transformer (Broadcast—S. W.) | 32-3756 | 38. | Resistor (4700 ohms) | 33-247339 | | | |
| | Mtg. Clip | 28-5003 | 39. | Condenser (.01 mfd, 400 volts) | 30-4572 | | | |
| 8. | Oscillator Transformer (Police) | 32-3757 | 40. | Resistor (1000 ohms) | 33-210339 | | | |
| | Mtg. Clip | 28-5002 | 41. | 3rd I. F. Transformer | 32-3640 | | | |
| 9. | Aerial Transformer | 32-3755 | | Mtg. Nut | W-1949 | | | |
| | Mtg. Clip | 28-5002 | 41A. | Secondary Compensator (Part of 41) | | | | |
| 10. | Mica Condenser (10 mmfd) | 60-010337 | 41B. | Condenser (100 mmfd) (Part of 41) | | | | |
| 11. | Silver Mica Condenser (210 mmfd) | 30-1210 | 41C. | Resistor (47,000 ohms) (Part of 41) | 33-347339 | | | |
| 12. | Mica Condenser (250 mmfd) | 60-125157 | 41D. | Condenser (100 mmfd) (Part of 41) | | | | |
| 13. | Compensator (Aerial—Broadcast) | 31-6401 | 42. | Mica Condenser (100 mmfd) | 60-110157 | | | |
| 13A. | Compensator (Oscillator—580 KC) | | 43. | Volume Control | 33-5451 | | | |
| | (Part of 14) | | | Mtg. Nut | W-2157 | | | |
| 14. | Resistor (2.2 megohms) | 33-522339 | 44. | Resistor (1 megohm) | 33-510339 | | | |
| 15. | Condenser (.05 mfd, 200 volts) | 30-4519 | 45. | Resistor (680,000 ohms) | 33-468339 | | | |
| 16. | Condenser (.05 mfd, 200 volts) | 30-4519 | 46. | Resistor (330,000 ohms) | 33-433339 | | | |
| 17. | Mica Condenser (250 mmfd) | 60-125157 | 47. | Resistor (4.7 megohms) | 33-547339 | | | |
| 18. | Mica Condenser (2000 mmfd) | 60-220324 | 48. | Condenser (.006 mfd, 400 volts) | 30-4591 | | | |
| 19. | Mica Condenser (182 mmfd) | 30-1208 | 49. | Resistor (220,000 ohms) | 33-422339 | | | |
| 20. | Tuning Condenser | 31-2581 | 50. | Tone Control | 33-5450 | | | |
| | Drive Drum | 38-9883 | | Mtg. Nut | W-2157 | | | |
| | Drive Cord (Pointer) | 31-2597 | 51. | Resistor (470,000 ohms) | 33-447339 | | | |
| | Drive Cord (Tuning Cond.) | 31-2400 | 52. | Condenser (.003 mfd, 600 volts) | 30-4582 | | | |
| | Drive Shaft | 56-6141 | 53. | Condenser (100 mmfd) | 60-110157 | | | |
| | "C" Washer | 28-2043 | 54. | Condenser (.01 mfd, 400 volts) | 30-4572 | | | |
| | Insulating Bushing | 27-9437 | 55. | Condenser (.006 mfd, 400 volts) | 30-4591 | | | |
| | Grounding Spring | 28-8955 | 56. | Output Transformer | 32-8116 | | | |
| | Grommet (Mtg. Cond.) | 27-4598 | 57. | Speaker | 36-1513-3 or 36-1513-4 | | | |
| | Rubber Connector (Tuning Cond.) | 27-9432 | | Cone Assembly (For Speaker) | 36-4164 | | | |
| | Spring (Cond. Drive Cord) | 28-8751 | | Cone Assembly (For Speaker) | 36-4169 | | | |
| | Spring (Pointer Drive Cord) | 28-8953 | | Mtg. Nut | W-124 | | | |
| | Sleeve (Mtg. Tuning Cond.) | 28-3806 | | Cable (Speaker) | 41-3541 | | | |
| 21. | Push-Button and Power Switch | | | Bias Resistor (27-36-300 ohms) | 33-3392 | | | |
| | Assembly | 42-1687 | | Mtg. Rivet | W-239 | | | |
| | Mtg. Sleeve | 28-5665 | | Field Coil (Replace Speaker) | | | | |
| | Mtg. Screw | W-523 | | 36-1513 | | | | |
| | Mtg. Grommet | 27-4596 | | Electrolytic Condenser (12 mfd, 400 volts) | 30-2471 | | | |
| 22. | Push-Button Compensator Assembly | 31-6377 | | Mtg. Clamp | 56-1452 | | | |
| 23. | Mica Condenser (100 mmfd) | 60-110157 | | | | | | |
| 24. | Resistor (47,000 ohms) | 33-347339 | | | | | | |
| 25. | Resistor (33,000 ohms) | 33-333339 | | | | | | |
| 26. | Resistor (2200 ohms) | 33-222339 | | | | | | |
| 27. | Resistor (4700 ohms) | 33-247339 | | | | | | |
| 28. | Condenser (.05 mfd, 400 volts) | 30-4518 | | | | | | |
| 29. | 1st I. F. Transformer | 32-3465 | | | | | | |
| | Mtg. Nut | W-1949 | | | | | | |

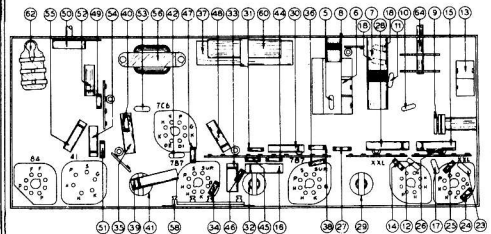


FIG. 6—PART LOCATIONS, UNDERSIDE OF CHASSIS, MODEL 42-365