



THE FISHER®

*Custom Electra II*

RADIO PHONOGRAPH

Model K-100

SERVICE MANUAL

PRICE: \$1.00

FISHER RADIO CORPORATION • NEW YORK

pointer to last reference mark at low frequency end of dial. Use an insulated screwdriver for alignment adjustment.

| STEPS | DUMMY ANTENNA                                                       | COUPLING                                                        | FREQUENCY | MODULATION                           | BAND SWITCH SETTING | DIAL POINTER SETTING        | INDICATING METER                                                    | ADJUST                                               | REMARKS                                                     |
|-------|---------------------------------------------------------------------|-----------------------------------------------------------------|-----------|--------------------------------------|---------------------|-----------------------------|---------------------------------------------------------------------|------------------------------------------------------|-------------------------------------------------------------|
| 1     | .01 mld                                                             | Pin 7 (Grid)<br>V7 (6BE6)                                       | 455 Kc    | 400 cps AM                           | AM                  | 1000 Kc<br>(Approx.)        | AC Voltmeter<br>to speaker out-<br>put terminals<br>and 16 ohm load | Z-5, Z-6<br>Top and Bottom                           | Adjust for maximum deflection                               |
| 2     | 200 mmld                                                            | AM Terminals<br>on antenna<br>strip                             | 1400 Kc   | "                                    | AM                  | 1400 Kc                     | "                                                                   | C-1L, C-1J, C-1G                                     | "                                                           |
| 3     | "                                                                   | "                                                               | 600 Kc    | "                                    | AM                  | 600 Kc                      | "                                                                   | L-9, L-8                                             | "                                                           |
| 4     | Repeat steps 2 and 3                                                |                                                                 |           |                                      |                     |                             |                                                                     |                                                      |                                                             |
| 5     | —                                                                   | To shield<br>of V <sub>2</sub><br>(6U8) Un-<br>ground<br>shield | 10.7 Mc   | None                                 | FM                  | Point of no<br>interference | DC VTVM to<br>junction of<br>R-29 and R-30                          | Z-1, Z-2, Z-3<br>Top and Bottom<br>and Bottom of Z-4 | Adjust for maximum negative<br>voltage                      |
| 6     | —                                                                   | "                                                               | "         | None                                 | FM                  | "                           | DC VTVM to<br>junction of<br>C-27 and R-24 *                        | Z-4 Top                                              | Adjust for zero between positive<br>and negative readings † |
| 7     | 270 ohm<br>carbon<br>resistor                                       | FM Terminals<br>on antenna<br>strip                             | 106 Mc    | 400 cps FM<br>(22.5 KC<br>deviation) | FM                  | 106 Mc                      | DC VTVM to<br>junction of<br>R-29 and R-30                          | C-16                                                 | Adjust for maximum negative<br>voltage                      |
| 8     | "                                                                   | "                                                               | 90 Mc     | "                                    | FM                  | 90 Mc                       | "                                                                   | L-6                                                  | "                                                           |
| 9     | "                                                                   | "                                                               | 106 Mc    | "                                    | FM                  | 106 Mc                      | "                                                                   | C-1D & C-1B                                          | "                                                           |
| 10    | "                                                                   | "                                                               | 90 Mc     | "                                    | FM                  | 90 Mc                       | "                                                                   | L-4 & L-1                                            | "                                                           |
| 11    | Repeat steps 7 to 10 for proper dial calibration and maximum output |                                                                 |           |                                      |                     |                             |                                                                     |                                                      |                                                             |
| 12    | Adjustment of meter: Refer to text.                                 |                                                                 |           |                                      |                     |                             |                                                                     |                                                      |                                                             |

\* Negative side of meter to connect to center of two 47K resistors.

† Connect a matched pair of 47K resistors in series and across C-25. After this adjustment, remove the pair of 47K resistors.



## Resistance Reference Chart • Model K-100

SOCKET PINS

| TUBES       | 1       | 2       | 3      | 4      | 5      | 6      | 7        | 8    | 9    |
|-------------|---------|---------|--------|--------|--------|--------|----------|------|------|
| V-1, 6BC8   | 2 Meg+  | 1.1 Meg | 0      | .1     | .1     | 2 Meg+ | 1.1 Meg  | 0    | 0    |
| V-2, 6U8    | 2 Meg+  | 1 Meg   | 2 Meg+ | .05    | 0      | 2 Meg+ | 0        | 1.9  | 4.7K |
| V-3, 6BA6   | 2.5 Meg | 0       | 0      | .05    | 2 Meg+ | 2 Meg+ | 100      | —    | —    |
| V-4, 6AU6   | 200K    | 0       | .05    | 0      | 2 Meg+ | 2 Meg+ | 68       | —    | —    |
| V-5, 6AU6   | 6.8K    | 0       | .05    | 0      | 2 Meg+ | 2 Meg+ | 68       | —    | —    |
| V-6, 6BA6   | 2 Meg   | 0       | .05    | 0      | 2 Meg+ | 2 Meg+ | 68       | —    | —    |
| V-7, 6BE6   | 22K     | 0.5     | .05    | 0      | 2 Meg+ | 2 Meg+ | 2.2 Meg  | —    | —    |
| V-8, 12AX7  | 2 Meg+  | 390K    | 2.7K   | 30     | 18     | 2 Meg+ | 1 Meg    | 1.5K | 20   |
| V-9, 12AX7  | 2 Meg+  | 220K    | 1.5K   | 39     | 28     | 2 Meg+ | 1.25 Meg | 47K  | 35   |
| V-10, EL37  | —       | 0       | 2 Meg+ | 2 Meg+ | 500K   | 2 Meg+ | .05      | 0    | —    |
| V-11, EL37  | 35K     | 0       | 2 Meg+ | 2 Meg+ | 500K   | 2 Meg+ | .05      | 0    | —    |
| V-12, 12AX7 | 2 Meg+  | 330K    | 2.7K   | 15     | 0      | 2 Meg+ | 1 Meg    | 2.2K | 15   |
| V-13, 5V4GA | —       | —       | 2 Meg+ | 70     | —      | 70     | —        | 0    | —    |
| V-14, 6X4   | 47      | 2 Meg+  | .05    | 0      | —      | 50     | 2 Meg+   | —    | —    |
| V-15, EM35  | —       | .1      | 2 Meg+ | 2 Meg  | 2 Meg+ | 2 Meg+ | 0        | 0    | —    |

CAUTION: Be certain to disconnect AC line cord when making these measurements.

NOTES: Band Switch in FM position except in AM when measuring V-6 and V-7.  
All resistance in ohms unless otherwise specified.

K equals 1,000 ohms.

Meg equals 1 megohm.

## Voltage Reference Chart • Model K-100

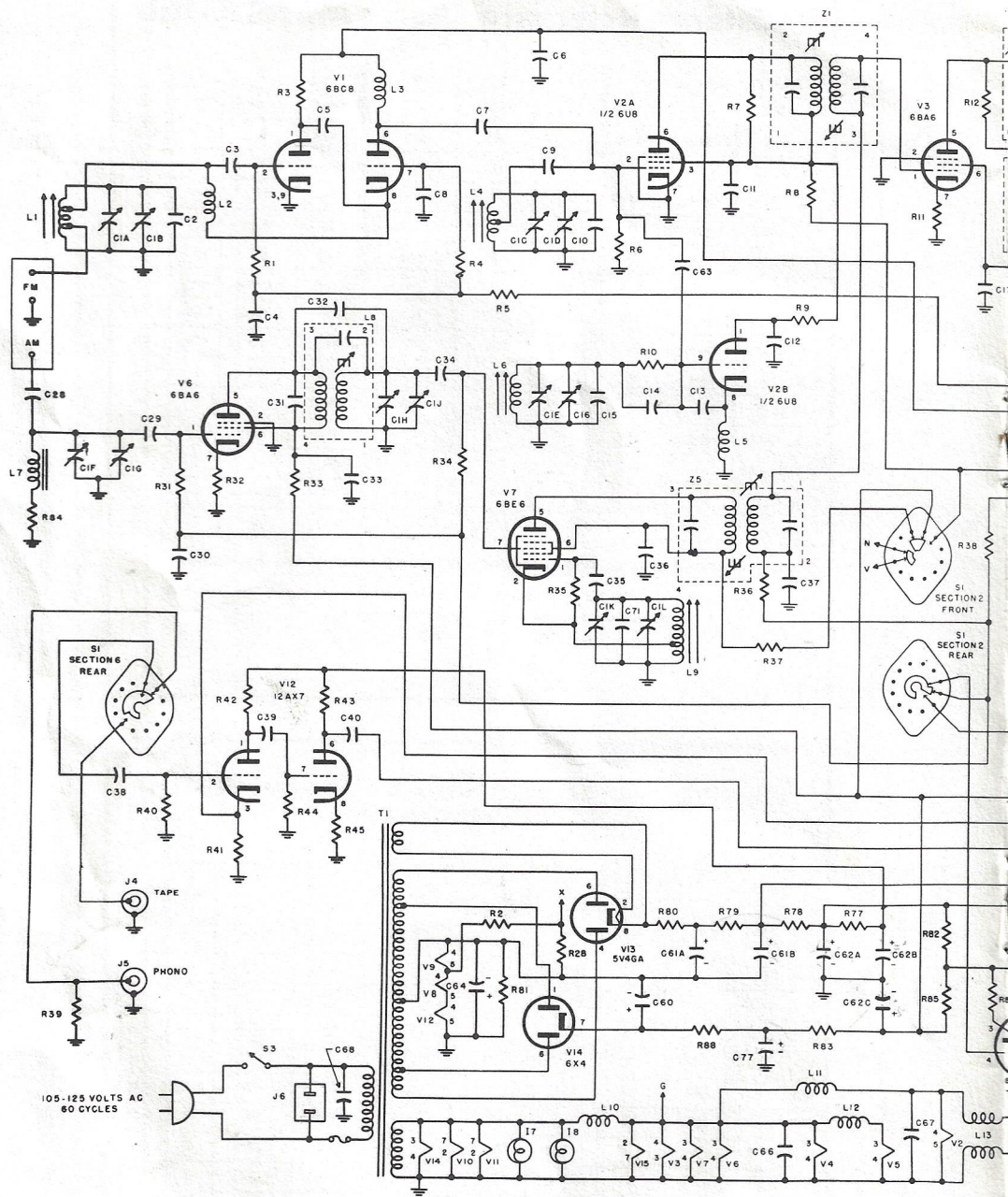
SOCKET PINS

| TUBES       | 1      | 2     | 3     | 4      | 5      | 6     | 7     | 8    | 9      |
|-------------|--------|-------|-------|--------|--------|-------|-------|------|--------|
| V-1, 6BC8   | 102    | — .8  | 0     | 6.3AC  | 0      | 112   | — .7  | 0    | 0      |
| V-2, 6U8    | 86     | — 2.2 | 102   | 6.3AC  | 0      | 102   | 0     | 0    | — 3.5  |
| V-3, 6BA6   | — .1   | 0     | 0     | 6.3AC  | 100    | 100   | 1.1   | —    | —      |
| V-4, 6AU6   | 0      | 0     | 6.3AC | 0      | 102    | 102   | .6    | —    | —      |
| V-5, 6AU6   | 0      | 0     | 6.3AC | 0      | 102    | 102   | .6    | —    | —      |
| V-6, 6BA6   | — .8   | 0     | 6.3AC | 0      | 100    | 100   | 1.0   | —    | —      |
| V-7, 6BE6   | — 12   | 0     | 6.3AC | 0      | 105    | 105   | — .8  | —    | —      |
| V-8, 12AX7  | 250    | 0     | 2.4   | — 25   | — 12.5 | 215   | 0     | 1.75 | — 18.8 |
| V-9, 12AX7  | 150    | 0     | 1.25  | — 37.5 | — 25   | 300   | 36    | 41   | — 31.3 |
| V-10, EL37  | 0      | 0     | 390   | 395    | — 31.5 | 395   | 6.3AC | 0    | —      |
| V-11, EL37  | — 31.5 | 0     | 390   | 395    | — 31.5 | 395   | 6.3AC | 0    | —      |
| V-12, 12AX7 | 80     | 0     | .8    | — 12.5 | 0      | 80    | 0     | .68  | — 6.25 |
| V-13, 5V4GA | —      | 403   | 400   | 395AC  | 0      | 395AC | —     | 403  | —      |
| V-14, 6X4   | 205AC  | 112   | 6.3AC | 0      | —      | 205AC | 165   | —    | —      |
| V-15, EM35  | —      | 6.3AC | 12    | — .15  | 225    | 12    | 0     | 0    | —      |

NOTES: Line voltage set at 117 Volts, 60 Cycles. Voltage readings may vary 10% under normal operating conditions. Band Switch at FM except in AM for V-6 and V-7.

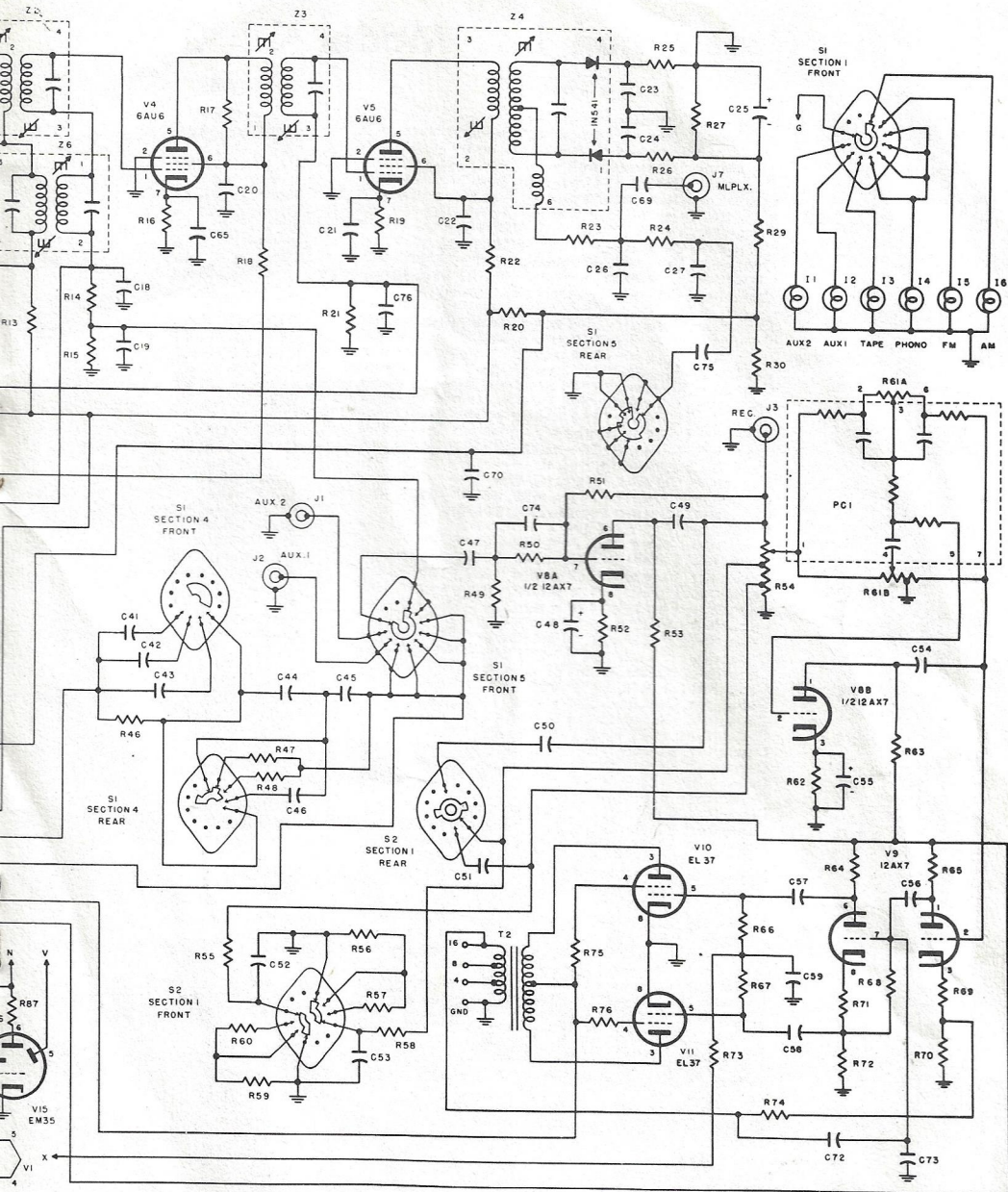
Measurements taken with respect to chassis.

Readings are DC positive unless otherwise specified.



## MODEL





# FISHER

K-100

DIAGRAM



# Parts Description List - Model K-100

| Symbol           | DESCRIPTION                                                    | Part No.    |
|------------------|----------------------------------------------------------------|-------------|
| C-1A, C-1L       | Capacitor, Variable                                            | C-592-116   |
| C-2              | Capacitor, Ceramic: 5 mmfd, NPO; 500 V                         | CC20CH050F5 |
| C-3              | Capacitor, Ceramic: 100 mmfd, 600 V; disc                      | C-577-121   |
| C-4, C-6         | Capacitor, Ceramic: .005 mfd, 600 V; disc                      | CK62GP502V6 |
| C-5, C-8         | Capacitor, Ceramic: 470 mmfd, 600 V                            | C-520-143   |
| C-7              | Capacitor, Ceramic: 33 mmfd, 500 V                             | CC21GP330M5 |
| C-9, C-11, C-12  | Capacitor, Ceramic: .005 mfd, 600 V; disc                      | CK62GP502V6 |
| C-10             | Capacitor, Ceramic: 5 mmfd, NPO; 500 V                         | CC20CH050F5 |
| C-13             | Capacitor, Ceramic: 5 mmfd, N150; 500 V                        | CC20PH050F5 |
| C-14             | Capacitor, Ceramic: 82 mmfd, 500 V; 10 %                       | CC21GP820K5 |
| C-15             | Capacitor, Ceramic: 13 mmfd, 10 %; N030, 30 %; 500V            | CC21HG130K5 |
| C-16             | Capacitor, Ceramic Trimmer: 1-6 mmfd                           | C-520-159   |
| C-17, C-20, C-21 |                                                                |             |
| C-22             | Capacitor, Ceramic: .005 mfd, 600 V; disc                      | CK62GP502V6 |
| C-18, C-19       | Capacitor, Ceramic: 100 mmfd, 500 V                            | CC21GP101M5 |
| C-23, C-24, C-26 | Capacitor, Ceramic: 300 mfd, 10 %; 500 V                       | CC21GP301K5 |
| C-25             | Capacitor, Electrolytic: 10 mfd, 50 V                          | C-551-146   |
| C-27             | Capacitor, Ceramic: 1000 mmfd, 10 %; 500 V                     | CC26GP102K5 |
| C-28             | Capacitor: 2.2 mmfd, 500 V                                     | C-3039      |
| C-29             | Capacitor, Ceramic: 100 mmfd, 600 V; disc                      | C-577-121   |
| C-30             | Capacitor: .047 mfd, 200 V                                     | C68P473M2   |
| C-31             | Capacitor, Ceramic: 10 mmfd, NPO                               | CC20CH100G5 |
| C-32             | Capacitor: 2.2 mmfd, 500 V                                     | C-3039      |
| C-33, C-36, C-37 | Capacitor, Ceramic: .02 mfd, disc                              | C-556-122   |
| C-34             | Capacitor, Ceramic: 100 mmfd, 600 V; disc                      | C-577-121   |
| C-35             | Capacitor, Ceramic: 220 mmfd, 500 V                            | CC21GP221M5 |
| C-38, C-40       | Capacitor: .047 mfd, 200 V                                     | C68P473M2   |
| C-39             | Capacitor: .0047 mfd, 10 %; 200 V                              | C68P472K2   |
| C-41             | Capacitor, Ceramic: 220 mmfd, 10 %; 500 V                      | CC21GP221K5 |
| C-42             | Capacitor, Ceramic: 120 mmfd, 10 %; 500 V                      | CC21GP121K5 |
| C-43             | Capacitor, Ceramic: 420 mmfd, 10 %; 500 V                      | CC21GP421K5 |
| C-44             | Capacitor, Ceramic: 720 mmfd, 10 %; 500 V                      | CC21GP721K5 |
| C-45             | Capacitor: .0022 mfd, 10 %; 200 V                              | C68P222K2   |
| C-46             | Capacitor: .0033 mfd, 10 %; 200 V                              | C68P332K2   |
| C-47             | Capacitor: .02 mfd, 20 %; 200 V                                | C68P203M2   |
| C-48             | Capacitor, Electrolytic: 25 mfd, 6 V                           | C-556-137   |
| C-49, C-54       | Capacitor: .1 mfd, 20 %; 400 V                                 | C68P104M4   |
| C-50             | Capacitor, Ceramic: 220 mmfd, 10 %; 500 V                      | CC21GP221K5 |
| C-51             | Capacitor, Ceramic: 120 mmfd, 10 %; 500 V                      | CC21GP121K5 |
| C-52, C-53       | Capacitor: .0047 mfd, 10 %; 200 V                              | C68P472K2   |
| C-55             | Capacitor, Electrolytic: 25 mfd, 6 V                           | C-556-137   |
| C-56             | Capacitor, Ceramic: .02 mfd, disc                              | C-556-122   |
| C-57, C-58       | Capacitor: .047 mfd, 400 V                                     | C68P473M4   |
| C-59             | Capacitor: .22 mmfd; 200 V                                     | C68P224V2   |
| C-60             | Capacitor, Electrolytic: 40 mfd, 250 V                         | C-592-151   |
| C-61A & B        | Capacitor, Electrolytic: 40 x 40, mfd, 500 V                   | C-592-146   |
| C-62A, B, C      | Capacitor, Electrolytic: 40 x 30 x 40 mfd, 450 V, 350 V, 250 V | C-592-147   |
| C-63             | Capacitor: 2.2 mmfd, 500 V                                     | C-3039      |
| C-64             | Capacitor, Electrolytic: 100 mfd, 50 V                         | C-592-150   |
| C-65, C-66, C-67 |                                                                |             |
| C-69, C-70       | Capacitor, Ceramic: .005 mfd, 600 V; disc                      | CK62GP502V6 |
| C-68             | Capacitor: .01 mfd, 600 V                                      | C-2747      |
| C-71             | Capacitor, Ceramic: 10 mmfd, N1400; 500 V                      | CC20VK100G5 |
| C-72             | Capacitor, Ceramic: 47 mmfd, 500 V                             | CC21GP470M5 |
| C-73             | Capacitor, Ceramic: 120 mmfd, 10 %; 500 V                      | CC21GP121K5 |
| C-74             | Capacitor, Ceramic: 82 mmfd, 10 %; 500 V                       | CC21GP820K5 |
| C-75             | Capacitor: .047 mfd, 200 V                                     | C68P473M2   |
| C-76             | Capacitor, Ceramic: 100 mmfd, 600 V; disc                      | C-577-121   |
| C-77             | Capacitor, Electrolytic: 40 mfd, 250 V                         | C-592-151   |
| F-1              | Fuse, 3 amp                                                    | F-3319      |
| I-1 - I-6        | Lamp, Channel Indicator                                        | I-588-120   |
| I-7, I-8         | Lamp, 47                                                       | I-50009-1   |
| J-1, J-2, J-4    |                                                                |             |
| J-5              | Jack                                                           | J-50048     |
| J-3, J-7         | Jack                                                           | J-3143      |
| J-6              | Receptacle, AC                                                 | J-546-129   |
| L-1              | Coil, FM Antenna                                               | L-592-135   |
| L-2              | Coil, Neutralization                                           | L-520-178   |
| L-3, L-5         | Choke,                                                         | L-3352      |
| L-4              | Coil, FM, RF                                                   | L-592-137   |
| L-6              | Coil, FM Oscillator                                            | L-592-136   |
| L-7              | Loop, AM                                                       | L-621-127   |
| L-8              | Coil, RF AM                                                    | L-556-125   |
| L-9              | Coil, AM Oscillator                                            | L-550-122   |
| L-10, L-11, L-12 | Choke, Filament                                                | L-520-156   |
| L-13             | Choke, Bi-Filar                                                | L-509-140   |
| PC-1             | Printed Circuit                                                | PC-552-105  |
| R-1, R-4, R-6    | Resistor, Composition: 1 megohm, 10 %; ½ W                     | RC20BF105K  |
| R-2              | Resistor, Composition: 1500 ohms, 10 %; ½ W                    | RC20BF152K  |
| R-3, R-8         | Resistor, Composition: 470 ohms, 10 %; ½ W                     | RC20BF471K  |
| R-5              | Resistor, Composition: 100,000 ohms, 10 %; ½ W                 | RC20BF471K  |
| R-7              | Resistor, Composition: 33,000 ohms, 10 %; ½ W                  | RC20BF333K  |
| R-9              | Resistor, Composition: 2700 ohms, 10 %; ½ W                    | RC20BF272K  |
| R-10             | Resistor, Composition: 4700 ohms, 10 %; ½ W                    | RC20BF472K  |
| R-11             | Resistor, Composition: 100 ohms, 10 %; ½ W                     | RC20BF101K  |



# Parts Description List - Model K-100

| Symbol           | DESCRIPTION                                                | Part No.            |
|------------------|------------------------------------------------------------|---------------------|
| R-12             | Resistor, Composition: 330,000 ohms, 10% ; $\frac{1}{2}$ W | RC20BF334K          |
| R-13             | Resistor, Composition: 1000 ohms, 10% ; $\frac{1}{2}$ W    | RC20BF102K          |
| R-14, R-15       | Resistor, Composition: 100,000 ohms, 10% ; $\frac{1}{2}$ W | RC20BF104K          |
| R-16, R-19       | Resistor, Composition: 68 ohms, 10% ; $\frac{1}{2}$ W      | RC20BF680K          |
| R-17             | Resistor, Composition: 330,000 ohms, 10% ; $\frac{1}{2}$ W | RC20BF334K          |
| R-18             | Resistor, Composition: 1000 ohms, 10% ; $\frac{1}{2}$ W    | RC20BF102K          |
| R-20             | Resistor, Composition: 4.7 megohms, 10% ; $\frac{1}{2}$ W  | RC20BF475K          |
| R-21             | Resistor, Composition: 6800 ohms, 10% ; $\frac{1}{2}$ W    | RC20BF682K          |
| R-22, R-25       | Resistor, Composition: 1000 ohms, 10% ; $\frac{1}{2}$ W    | RC20BF102K          |
| R-23             | Resistor, Composition: 270 ohms, 10% ; $\frac{1}{2}$ W     | RC20BF271K          |
| R-24             | Resistor, Composition: 68,000 ohms, 10% ; $\frac{1}{2}$ W  | RC20BF688K          |
| R-26             | Resistor, Composition: 1500 ohms, 10% ; $\frac{1}{2}$ W    | RC20BF152K          |
| R-27             | Resistor, Composition: 15,000 ohms, 10% ; $\frac{1}{2}$ W  | RC20BF153K          |
| R-28             | Resistor, Composition: 1500 ohms, 10% ; $\frac{1}{2}$ W    | RC20BF152K          |
| R-29             | Resistor, Composition: 100,000 ohms, 10% ; $\frac{1}{2}$ W | RC20BF104K          |
| R-30             | Resistor, Composition: 330,000 ohms, 10% ; $\frac{1}{2}$ W | RC20BF334K          |
| R-31, R-34       | Resistor, Composition: 1 megohm, 10% ; $\frac{1}{2}$ W     | RC20BF105K          |
| R-32             | Resistor, Composition: 68 ohms, 10% ; $\frac{1}{2}$ W      | RC20BF680K          |
| R-33, R-37       | Resistor, Composition: 1000 ohms, 10% ; $\frac{1}{2}$ W    | RC20BF102K          |
| R-35             | Resistor, Composition: 22,000 ohms, 10% ; $\frac{1}{2}$ W  | RC20BF223K          |
| R-36             | Resistor, Composition: 470,000 ohms, 10% ; $\frac{1}{2}$ W | RC20BF474K          |
| R-38             | Resistor, Composition: 1.8 megohms, 10% ; $\frac{1}{2}$ W  | RC20BF185K          |
| R-39             | Resistor, Composition: 47,000 ohms, 10% ; $\frac{1}{2}$ W  | RC20BF473K          |
| R-40             | Resistor, Composition: 330,000 ohms, 10% ; $\frac{1}{2}$ W | RC20BF334K          |
| R-41             | Resistor, Composition: 2700 ohms, 10% ; $\frac{1}{2}$ W    | RC20BF272K          |
| R-43, R-42       | Resistor, Composition: 220,000 ohms, 10% ; $\frac{1}{2}$ W | RC20BF224K          |
| R-44             | Resistor, Composition: 1 megohm, 10% ; $\frac{1}{2}$ W     | RC20BF105K          |
| R-45             | Resistor, Composition: 220 ohms, 10% ; $\frac{1}{2}$ W     | RC20BF222K          |
| R-46             | Resistor, Composition: 120,000 ohms, 10% ; $\frac{1}{2}$ W | RC20BF124K          |
| R-47             | Resistor, Composition: 3.3 megohms, 10% ; $\frac{1}{2}$ W  | RC20BF335K          |
| R-48             | Resistor, Composition: 2.2 megohms, 10% ; $\frac{1}{2}$ W  | RC20BF225K          |
| R-49             | Resistor, Composition: 1 megohm, 10% ; $\frac{1}{2}$ W     | RC20BF105K          |
| R-50             | Resistor, Composition: 220,000 ohms, 10% ; $\frac{1}{2}$ W | RC20BF224K          |
| R-51             | Resistor, Composition: 3.3 megohms, 10% ; $\frac{1}{2}$ W  | RC20BF335K          |
| R-52             | Resistor, Composition: 1500 ohms, 10% ; $\frac{1}{2}$ W    | RC20BF152K          |
| R-53             | Resistor, Composition: 100,000 ohms, 10% ; $\frac{1}{2}$ W | RC20BF104K          |
| R-54             | Potentiometer with switch                                  | R-592-178           |
| R-55, R-56, R-58 |                                                            |                     |
| R-59             | Resistor, Composition: 47,000 ohms, 10% ; $\frac{1}{2}$ W  | RC20BF473K          |
| R-57, R-60       | Resistor, Composition: 68,000 ohms, 10% ; $\frac{1}{2}$ W  | RC20BF683K          |
| R-61A & B        | Potentiometer, dual tone control                           | R-592-179           |
| R-62             | Resistor, Composition: 2700 ohms, 10% ; $\frac{1}{2}$ W    | RC20BF272K          |
| R-63             | Resistor, Composition: 100,000 ohms, 10% ; $\frac{1}{2}$ W | RC20BF104K          |
| R-64             | Resistor, Composition: 47,000 ohms, 10% ; $\frac{1}{2}$ W  | RC20BF473K          |
| R-65             | Resistor, Composition: 220,000 ohms, 10% ; $\frac{1}{2}$ W | RC20BF224K          |
| R-66, R-67       | Resistor, Composition: 470,000 ohms, 10% ; $\frac{1}{2}$ W | RC20BF474K          |
| R-68             | Resistor, Composition: 1.2 megohms, 10% ; $\frac{1}{2}$ W  | RC20BF125K          |
| R-69             | Resistor, Composition: 1000 ohms, 10% ; $\frac{1}{2}$ W    | RC20BF102K          |
| R-70             | Resistor, Composition: 680 ohms, 10% ; $\frac{1}{2}$ W     | RC20BF681K          |
| R-71             | Resistor, Composition: 2700 ohms, 10% ; $\frac{1}{2}$ W    | RC20BF272K          |
| R-72             | Resistor, Composition: 47,000 ohms, 10% ; $\frac{1}{2}$ W  | RC20BF473K          |
| R-73             | Resistor, Composition: 33,000 ohms, 10% ; $\frac{1}{2}$ W  | RC20BF333K          |
| R-74, R-78       | Resistor, Composition: 6800 ohms, 10% ; $\frac{1}{2}$ W    | RC20BF682K          |
| R-75, R-76       | Resistor, Composition: 68 ohms, 10% ; $\frac{1}{2}$ W      | RC20BF680K          |
| R-77             | Resistor, Composition: 330,000 ohms, 10% ; $\frac{1}{2}$ W | RC20BF334K          |
| R-79             | Resistor, Wirewound: 100 ohms, 10% ; $\frac{1}{2}$ W       | R-592-185           |
| R-80             | Resistor, Wirewound: 50 ohms, 10% ; 7 W                    | R-592-168           |
| R-81             | Resistor, Wirewound: 400 ohms, 5% ; 5 W                    | R-621-130           |
| R-82, R-85       | Resistor, Composition: 33,000 ohms, 10% ; $\frac{1}{2}$ W  | RC20BF333K          |
| R-83             | Resistor, Composition: 270 ohms, 10% ; 2 W                 | RC40BF271K          |
| R-84             | Resistor, Composition: 10 ohms, 10% ; $\frac{1}{2}$ W      | RC20BF100K          |
| R-86             | Resistor, Composition: 1 megohm, 10% ; $\frac{1}{2}$ W     | RC20BF105K          |
| R-87             | Resistor, Composition: 1.8 megohms, 10% ; $\frac{1}{2}$ W  | RC20BF185K          |
| R-88             | Resistor, Composition: 270 ohms, 10% ; 2 W                 | RC40BF271K          |
| S-1              | Switch, Channel Selector                                   | S-592-184           |
| S-2              | Switch, Loudness                                           | (part of) R-592-178 |
| S-3              | Switch, Power                                              | S-592-149           |
| T-1              | Transformer, Power                                         | T-592-125-2         |
| T-2              | Transformer, Output                                        | T-563-117           |
| Z-1              | Transformer, FM, I.F.                                      | ZZ-2987             |
| Z-2, Z-3         | Transformer, FM, I.F.                                      | ZZ-509-130          |
| Z-4              | FM Ratio Detector                                          | ZZ-592-170          |
| Z-5              | Transformer, AM, I.F.                                      | ZZ-2985             |
| Z-6              | Transformer, AM, I.F.                                      | ZZ-2984             |

## MISCELLANEOUS

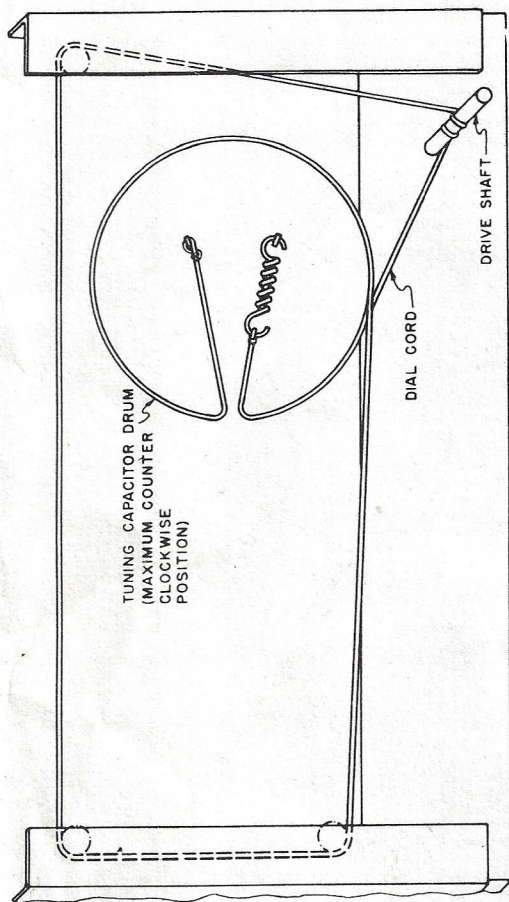
Socket Indicator Light  
Dial Glass  
Knobs: Rear Dual  
Forward Dual  
Power, ON OFF  
Tuning  
Channel Selector  
Presence and Brilliance  
Presence and Brilliance L Pad

X-588-123  
N-621-121  
E-50049-4  
E-50049-2  
E-50049-3  
E-50049-1  
E-50049-9  
E-50049-8  
M-211

# DIAL STRINGING INSTRUCTIONS

## DIAL CORD REPLACEMENT INSTRUCTIONS

1. Remove chassis from cabinet.
2. Remove defective cord and dial pointer.
3. Restring new cord as shown in illustration.
4. Mount dial pointer, and with variable capacitor fully in counterclockwise position, center pointer over index mark at low-frequency end of dial.
5. Secure dial pointer in place by applying household cement.



NOTES