



**THE FISHER** **510**  
**SERVICE MANUAL**  
**SCHEMATIC**  
**and PARTS LIST**

MODEL 510



**CHASSIS SERIAL NUMBERS**  
**10001-29999 INCLUSIVE**

PRICE: \$1.00

**FISHER RADIO CORPORATION • NEW YORK**

# PARTS DESCRIPTION LIST

## CAPACITORS

20% tolerance for all fixed capacitors, unless otherwise noted or marked GMV (guaranteed minimum value.)  
Cer = Ceramic

| Symbol  | Description                                                                                 | Order No.   |
|---------|---------------------------------------------------------------------------------------------|-------------|
| C1, C2  | Ceramic Disc, .02uf $\pm 80/-20\%$ , 600V                                                   | C50071-3    |
| C3      | Molded, .01uf 10%, 250V—<br>(Omit for Prefix 2)                                             | C50074-25   |
| C4      | Molded, 2200uf 10%, 400V                                                                    | C68P222K4   |
| C5      | Molded, .01uf 10%, 250V                                                                     | C50074-25   |
| C6      | Ceramic, 220uf 10%, 500V                                                                    | CC21GP221K5 |
| C7      | Molded, 3300uf 10%, 250V                                                                    | C50074-23   |
| C8      | Molded, .01uf 10%, 250V<br>(Omit for Prefix 2)                                              | C50074-25   |
| C9      | Ceramic, 1000uf 10%, 1000V                                                                  | C50072-3    |
| C10     | Molded, .01uf, 600V                                                                         | C50074-25   |
| C11     | Ceramic, 330uf 10%, 500V                                                                    | CC21GP331K5 |
| C12     | Molded, 2200uf 10%, 400V                                                                    | C68P222K4   |
| C13     | Molded, .01uf 10%, 250V                                                                     | C50074-25   |
| C14     | Ceramic, 220uf 10%, 500V                                                                    | CC21GP221K5 |
| C15     | Molded, 3300uf 10%, 500V                                                                    | C50074-23   |
| C16     | Ceramic, 1000uf 10%, 1000V                                                                  | C50072-3    |
| C17     | Molded, .01uf 10%, 250V                                                                     | C50074-25   |
| C18     | Ceramic, 330uf 10%, 500V                                                                    | CC21GP331K5 |
| C19     | Ceramic, 47uf 10%, 500V                                                                     | CC21GP470K5 |
| C20     | Electrolytic, 20uf, 350V                                                                    | C692-131    |
| C21     | Ceramic, 47uf 10%, 500V                                                                     | CC21GP470K5 |
| C22     | Ceramic, 68uf 10%, 500V                                                                     | CC21GP680K5 |
| C23     | Electrolytic, 25uf, 6V                                                                      | C556-137    |
| C24     | Ceramic, 68uf 10%, 500V                                                                     | CC21GP680K5 |
| C25, 26 | Molded, .022uf 10%, 500V                                                                    | C50074-36   |
| C27     | Electrolytic, three sections<br>C27-A: 40uf, 450V<br>C27-B: 40uf, 350V<br>C27-C: 40uf, 350V | C677-120    |
| C28     | Ceramic, 150uf 10%, 500V                                                                    | CC21GP151K5 |
| C29     | Ceramic, 100uf N1500 10%, 1000V                                                             | C50070-6    |
| C30     | Ceramic, 47uf 10%, 500V                                                                     | CC21GP470K5 |
| C31, 32 | Molded, .022uf 10%, 500V                                                                    | C50074-36   |
| C33     | Electrolytic, 100uf, 25V                                                                    | C643-145    |

## RESISTORS AND POTENTIOMETERS

In ohms, 10% tolerance,  $\frac{1}{2}$  watt, unless otherwise noted.  
K = kilohm, M = megohm.

| Symbol | Description     | Order No.  |
|--------|-----------------|------------|
| R1     | Composition, 1K | RC20BF102K |

|         |                                                             |  |
|---------|-------------------------------------------------------------|--|
| R2      | Composition, 1.5M, in chassis<br>serial numbers 10001-19999 |  |
|         | Composition, 470K, in chassis<br>serial numbers 20001-29999 |  |
| R3, R4  | Composition, 100K                                           |  |
| R5      | Composition, 560                                            |  |
| R6      | Composition, 4700                                           |  |
| R7      | Potentiometer, dual, 1M, bass                               |  |
| R8      | Composition, 68K                                            |  |
| R9      | Composition, 1K                                             |  |
| R10     | Potentiometer, dual, 500K, volume,<br>with S2               |  |
| R11     | Composition, 1.5M, in chassis<br>serial numbers 10001-19999 |  |
|         | Composition, 470K, in chassis<br>serial numbers 20001-29999 |  |
| R12     | Composition, 220K                                           |  |
| R13     | Composition, 33K                                            |  |
| R14     | Composition, 560                                            |  |
| R15     | Composition, 4700                                           |  |
| R16     | Potentiometer, dual, 1M, treble                             |  |
| R17     | Composition, 18K                                            |  |
| R18     | Composition, 68K                                            |  |
| R19     | Composition, 33K                                            |  |
| R20     | Composition, 220K                                           |  |
| R21     | Composition, 18K                                            |  |
| R22     | Composition, 820K                                           |  |
| R23     | Composition, 6.8M                                           |  |
| R24     | Composition, 100K                                           |  |
| R25, 26 | Composition, 680                                            |  |
| R27     | Composition, 6.8M                                           |  |
| R28     | Composition, 820K                                           |  |
| R29     | Composition, 10K                                            |  |
| R30     | Composition, 100K                                           |  |
| R31, 32 | Composition, 39K                                            |  |
| R33     | Potentiometer, 250K, channel A level set                    |  |
| R34     | Composition, 12K                                            |  |
| R35     | Composition, 1500                                           |  |
| R36     | Composition, 680K                                           |  |
| R37     | Composition, 12K                                            |  |
| R38     | Composition, 6800                                           |  |
| R39, 40 | Composition, 100K                                           |  |
| R41     | Wirewound, 4,000; 5W                                        |  |
| R42, 43 | Composition, 820K                                           |  |
| R44     | Wirewound, 130, 5W                                          |  |
| R45     | Composition, 2200                                           |  |
| R46     | Composition, 33K                                            |  |

|            |  |
|------------|--|
| RC20BF155K |  |
| RC20BF474K |  |
| RC20BF104K |  |
| RC20BF561K |  |
| RC20BF472K |  |
| R692-114   |  |
| RC20BF683K |  |
| RC20BF102K |  |
| R692-113   |  |
| RC20BF155K |  |
| RC20BF474K |  |
| RC20BF224K |  |
| RC20BF333K |  |
| RC20BF561K |  |
| RC20BF472K |  |
| R692-114   |  |
| RC20BF183K |  |
| RC20BF683K |  |
| RC20BF333K |  |
| RC20BF224K |  |
| RC20BF183K |  |
| RC20BF824K |  |
| RC20BF685K |  |
| RC20BF104K |  |
| RC20BF681K |  |
| RC20BF685K |  |
| RC20BF824K |  |
| RC20BF103K |  |
| RC20BF104K |  |
| RC20BF393K |  |
| R50103-1   |  |
| RC20BF123K |  |
| RC20BF152K |  |
| RC20BF684K |  |
| RC20BF123K |  |
| RC20BF682K |  |
| RC20BF104K |  |
| R692-130   |  |
| RC20BF824K |  |
| R644-147   |  |
| RC20BF222K |  |
| RC20BF333K |  |

|         |                                |
|---------|--------------------------------|
| R47     | Wirewound, 140, 5%, 5W         |
| R48, 49 | Potentiometer, 500, hum adjust |
| R50, 51 | Composition, 100K              |
| 52, 53  |                                |

|            |
|------------|
| R677-119   |
| R516-128   |
| RC20BF104K |

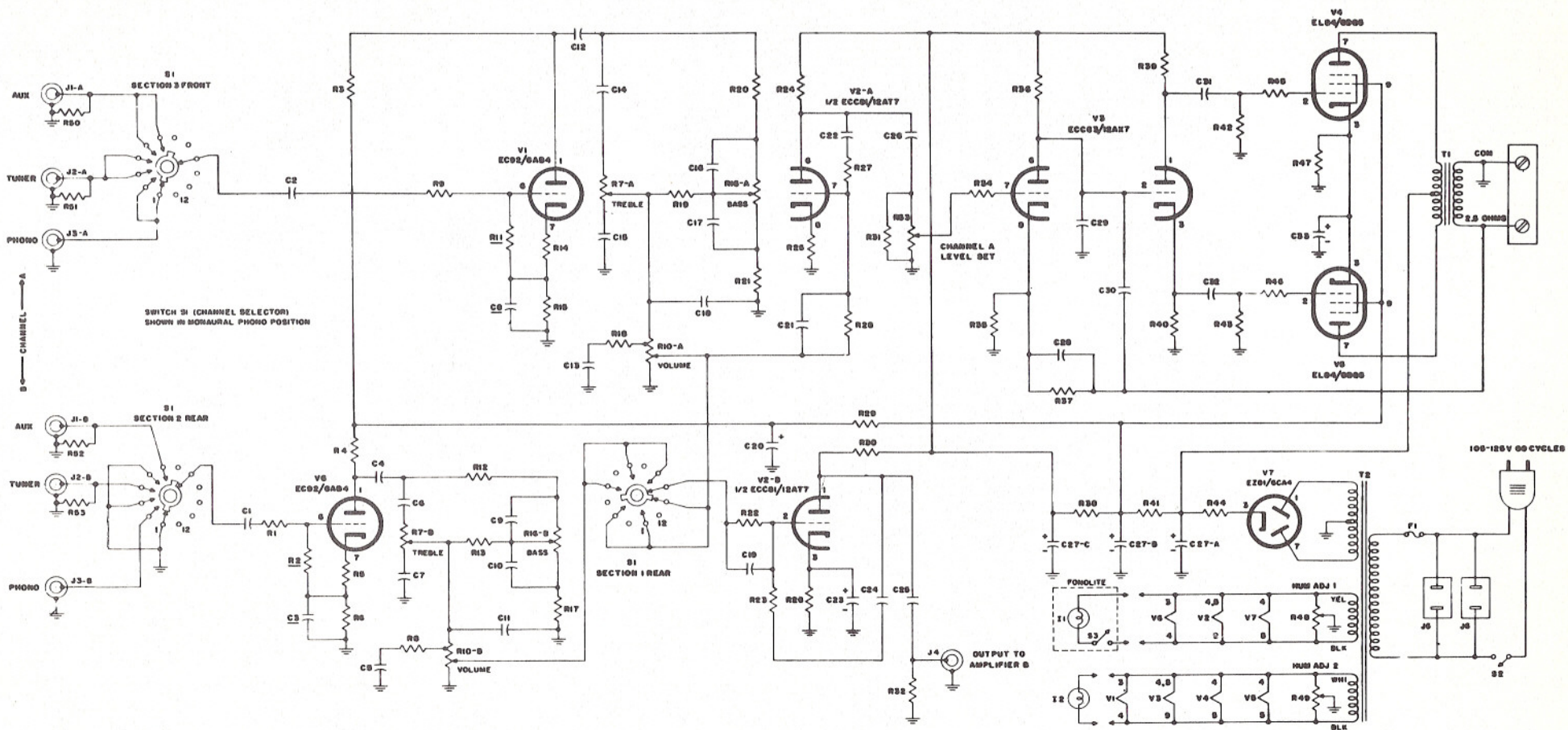
## MISCELLANEOUS

| Symbol   | Description                                        | Order No.   |
|----------|----------------------------------------------------|-------------|
| F1       | Fuse, slo-blo, 1 ampere                            | F692-132    |
| I-1      | Lamp, Fonolite                                     | I-50084     |
| I-2      | Lamp, pilot                                        | I-50009-1   |
| J1, 2, 3 | Jack, dual                                         | J50081-1    |
| J4       | Jack, single                                       | J3143       |
| J5, J6   | Receptacle, auxiliary AC                           | J546-129    |
| S1       | Switch, channel selector                           | S692-112    |
| S2       | Switch, AC on-off                                  | Part of R10 |
| S3       | Switch, Fonolite assembly                          | X50085      |
| T1       | Transformer, output, 2.5 ohms                      | T677-116    |
| T2       | Transformer, power                                 | T692-115    |
| —        | *Phono cartridge for serial numbers<br>10001-19999 | G-50101     |
| —        | *Phono cartridge for serial numbers<br>20001-29999 | G-50111     |
| —        | *Note: Cartridges not interchangeable.             |             |
| —        | Loudspeaker, dual-cone, 8 inch,<br>8 ohms (2) or   | LS703-115   |
| —        | Loudspeaker, dual-cone, 8 inch,<br>8 ohms (2)      | LS703-116   |
| —        | Loudspeaker, 8 inch, 8 ohms (one)                  | LS634-107   |
| —        | Record changer, RC-121 Mark II,<br>less cartridge  | RC558-127   |

## MECHANICAL PARTS

| Symbol | Description                                        | Order No. |
|--------|----------------------------------------------------|-----------|
| —      | 45-rpm spindle LRS-4 for RC-121<br>Mark II changer | A50127    |
| —      | Lid support assembly                               | A50105    |
| —      | Knob                                               | E50052-15 |
| —      | Tube shield, 9-pin miniature                       | E3287     |
| —      | Tube shield, 7-pin miniature                       | E3330     |
| —      | Jewel for pilot lamp                               | I-50010-1 |
| —      | Fonolite assembly, with S3                         | X50085    |
| —      | Fuse holder, with cap                              | X1036     |

## SCHEMATIC DIAGRAM





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