

MODEL 716 Tuner & 683 Amplifier and Power Supply

IF PEAK 175 KC

There are two mounting holes left open on the tuner chassis for mounting the variable bass, and the high tone controls that are connected to flexible leads on the 683 amplifier.

Looking at the rear of the tuner, the antenna and ground posts are mounted on the top left of the chassis. On the right rear of the chassis is the output post marked "plate". This is connected to the input post on the 683 amplifier.

In the rear center of the chassis is a four terminal strip, color coded as follows: Red, Blue, Black, Black. A coded cable is furnished with the tuner for connecting this terminal strip to the 683 or similar amplifier.

The color code reads as follows: Red-B positive 240 volts, Blue-B negative or ground, Black, Black - 2½ volt heater or filament supply. The cable supplied with the tuner contains two heavy duty filament lead wires colored Green-Black and connect to the two Black terminals on this strip.

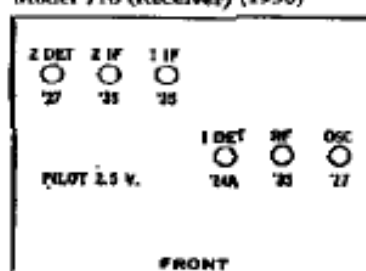
There are two sets of four terminal lugs on the back of the amplifier. Looking at the rear of the amplifier the set on the right are connections for the SM 855B speaker or similar type of speaker. Cable is furnished with the amplifier. This terminal strip is color-coded as follows: red, black, blue, blue. The two blue leads connect to the speaker voice coil, the red and

The SM 855B

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| C1 | - Variable Condenser 365 Mufd. Max - 5 Mufd. | 13017 |
| C2 | - 500 Mufd. Cond. Mica - 10% 450-500 (Blue) 500-550 (Red) | 13035 |
| C3 | - .1 Mfd. Cond. 200 V. Sprague | 3220 |
| C4 | - .1 Mfd. Cond. 200 V. | 3220 |
| C5 | - .1 Mfd. Cond. 200 V. | 3220 |
| C6 | - .001 Mfd. Cond. Mica | 7038 |
| C7 | - .5, .5, 1.0 Mfd. Cond. (.5-200V.) (1.0-500V.) | 13140 |
| C8 | - .1 Mfd. Cond. 200V. | 3220 |
| C9 | - .02 Mfd. Cond. 500V. | 13193 |
| C10 | - .04 Mfd. Cond. | 7048 |
| C11 | - 4 Mfd. Cond. Dry Electro 450V. | 13177 |
| C12 | - 10 Mfd. Cond. Dry Electrolytic (85V.) | 13025 |
| C13 | - .01 Mfd. Cond. Mica | 7047 |
| C14 | - 0.25 Mfd. Cond. 500V. Sprague | 3322 |
| C15 | - 2 Mfd. Cond. Dry Electrolytic (450V.) | 13177 |
| C16 | - 1 Mfd. Cond. 200V. | 13101 |
| C17 | - .1 Mfd. Cond. 200V. | 3220 |
| C18 | - .00025 Mfd. Cond. Mica | 3320 |
| L1 | - 170 A Coil | 4743 |
| L2 | - 170 A Coil | 14242 |
| L3 | - 170 A Coil | 14242 |
| L4 | - 281 R.F. Choke | 14894 |
| L5 | - 281 R.F. Choke | 4726 |
| L6 | - 10164 Air Core Choke | 4898 |
| L7 | - 10145 Choke | 14723 |
| R1 | - 100 Ohm Resistor - wire wound | 4723 |
| R2 | - 4500 Ohm Volume Control | 14033 |
| R3 | - 13,000 Ohm Resistor - 1 Watt. Carbon, Brown, Orange, Or. | 4492 |
| R4 | - 10,000 Ohm Resistor - 2 Watt. Carbon, Brown, Black, Or. | 4788 |
| R5 | - 60,000 Ohm Resistor - 1 Watt. Carbon, Blue, Black, Or. | 14692 |
| R6 | - 100 Ohms } Wire wound tapped resistor No color | 4685 |
| R7 | - 1700 Ohms } | 14594 |
| R8 | - 30,000 Ohm Resistor - 1 Watt. Carbon, Orange, Black, Or. | 4492 |
| R9 | - 10,000 Potentiometer | 4788 |
| R10 | - 720 Ohm Resistor - wire wound No color | 4770 |
| R11 | - 2,500 Ohm Resistor - 1 Watt Carbon Red, Blue, Red. | 14692 |
| R12 | - 220 Ohm Resistor - 2 Watt. Carbon (Red Devil) | 4685 |
| R13 | - 300,000 Ohm Resistor 1 Watt. Carbon, Orange, Black, Yel. | 14594 |
| R14 | - 10,000 Ohm Resistor 1 Watt. Carbon, Brown, Black, Orange | |
| SW1 | - Tone Control Switch | |
| SW2 | - On-Off Switch (Combines with R2) | |
| T1 | - 1st I.F. Transformer (0-1) | |
| T2 | - 2nd I.F. Transformer (0-2) Same spacing as 0-3 | |
| T3 | - 3rd I.F. Transformer (0-3) | |
| T4 | - 10159 Input Transformer | |
| T5 | - 10143 Output Transformer | |
| T6 | - 3470 Power Transformer. | |

List of Parts Used in 716 and 683.

Model 716 (Receiver) (1930)



Model 683 (Amplifier) (1931)

