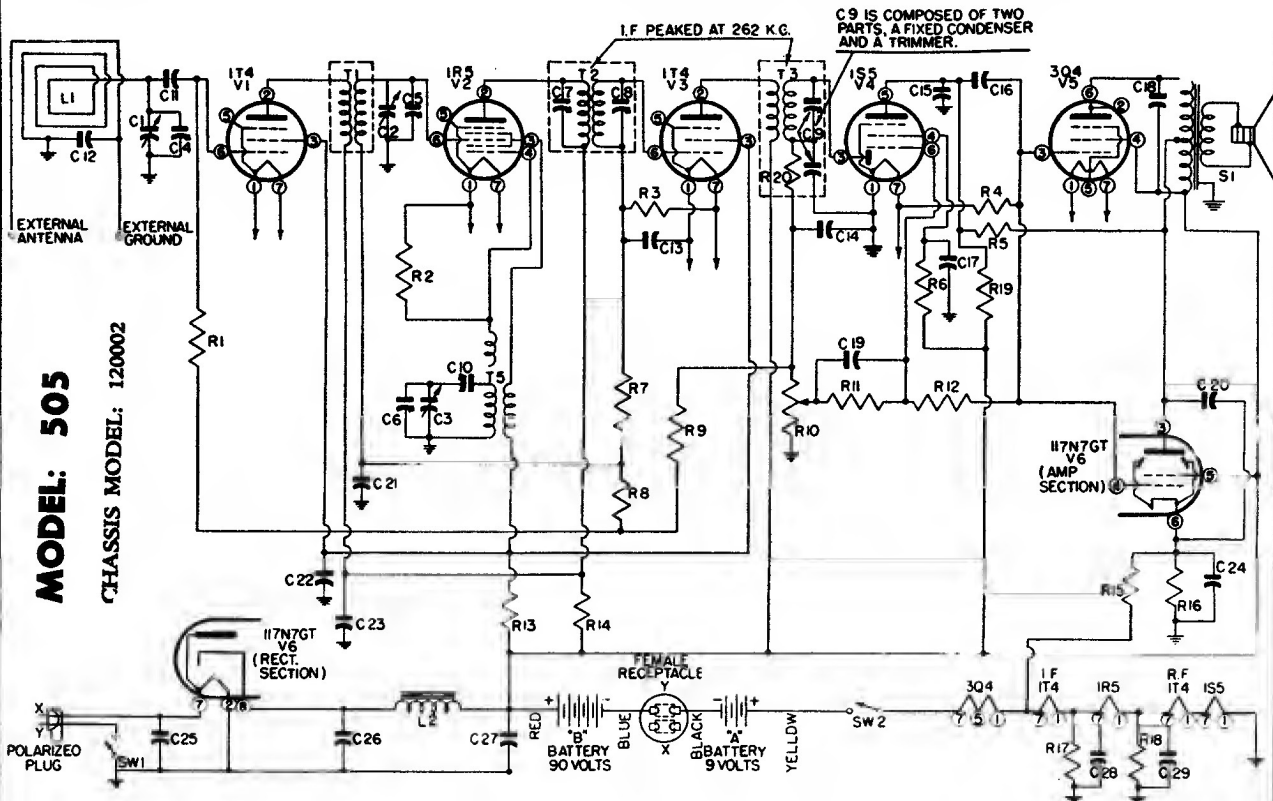


# MODEL: 505

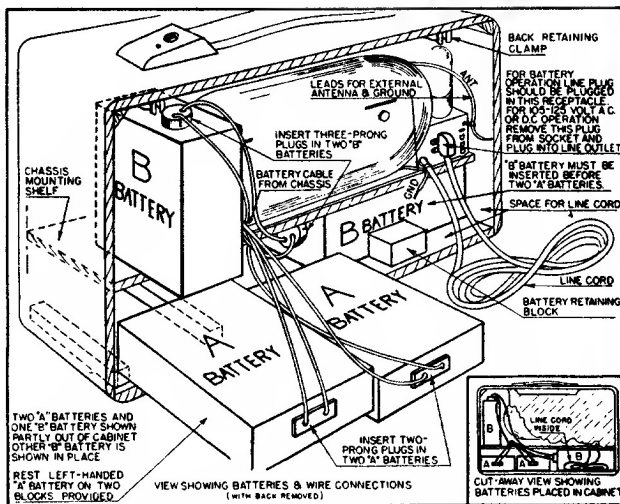
CHASSIS MODEL: 120002



## Schematic Symbol

## DESCRIPTION

|                         |                                            |
|-------------------------|--------------------------------------------|
| C1, C2, C3              | Three-gang variable condenser              |
| *C4                     | Trimmer, part of C1                        |
| *C5                     | Trimmer, part of C2                        |
| *C6                     | Trimmer, part of C3                        |
| *C7, C8                 | Trimmers, part of T2                       |
| *C9                     | Trimmer and fixed condenser, part of T3    |
| C10                     | Padding condenser                          |
| C11, C13                | 0.05 mfd., 200 V. condenser                |
| C12, C18                | 0.002 mfd., 600 V. condenser               |
| C14                     | 110 mmfd., mica condenser                  |
| C15                     | 400 mmfd., mica condenser                  |
| C16, C19, C21, C22, C29 | 0.02 mfd., 200 V. condenser                |
| C17, C20                | 0.01 mfd., 400 V. condenser                |
| C23                     | 0.02 mfd., 400 V. condenser                |
| C24                     | 100 mfd., 25 V. electrolytic condenser     |
| C25                     | 0.05 mfd., 400 V. condenser                |
| C26, C27                | 20-40 mfd., 135 V. dual electrolytic cond  |
| C28                     | 0.25 mfd., 100 V. condenser                |
| L1                      | Loop antenna                               |
| L2                      | Filter choke                               |
| R1, R3, R5, R6, R7, R8  | 3.3 meg., 1/4 watt resistor                |
| R2                      | 100,000 ohms, 1/4 watt resistor            |
| R4, R19                 | 470,000 ohms, 1/4 watt resistor            |
| R9                      | 2.2 meg., 1/4 watt resistor                |
| R10                     | Volume control, 500,000 ohms               |
| R11                     | 5.6 meg., 1/4 watt resistor                |
| R12                     | 10 meg., 1/4 watt resistor                 |
| R13                     | 15,000 ohms, 1/4 watt resistor             |
| R14                     | 3,900 ohms, 1/2 watt resistor              |
| R15                     | 33 ohms, 1/4 watt resistor                 |
| R16                     | 3,300 ohms, 1/4 watt resistor              |
| R17                     | 2,200 ohms, 1/4 watt resistor              |
| R18                     | 680 ohms, 1/4 watt resistor                |
| *R20                    | 47,000 ohms, 1/4 watt resistor, part of T4 |



- The color coding of the i-f transformer leads is as follows:  
Grid—green  
Plate—blue  
Grid return—black  
B+—red
- The color coding of the battery cable is as follows:  
Red—B+, 90 Volts  
Yellow—A+, 9 Volts  
Blue—B—  
Black—A—

# Emerson Radio

MODEL: 505

Model 523 is similar.

CHASSIS MODEL: 120002

