

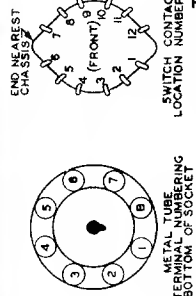


Montgomery Ward & Co.

	Model: 62-418	Chassis:	Year: Pre October 1937
	Power:	Circuit:	IF:
	Tubes:		
	Bands:		
Resources			
Beitmans 1939 73			
Beitmans 1939 74			
Riders 8 (VIII) MONT WARD 8-5			
Riders 8 (VIII) MONT WARD 8-6			
Riders 8 (VIII) MONT WARD 8-7			

ARROWS INDICATE CONNECTIONS PRESENT IN BAND SWITCH WHEN IN POSITION SHOWN.

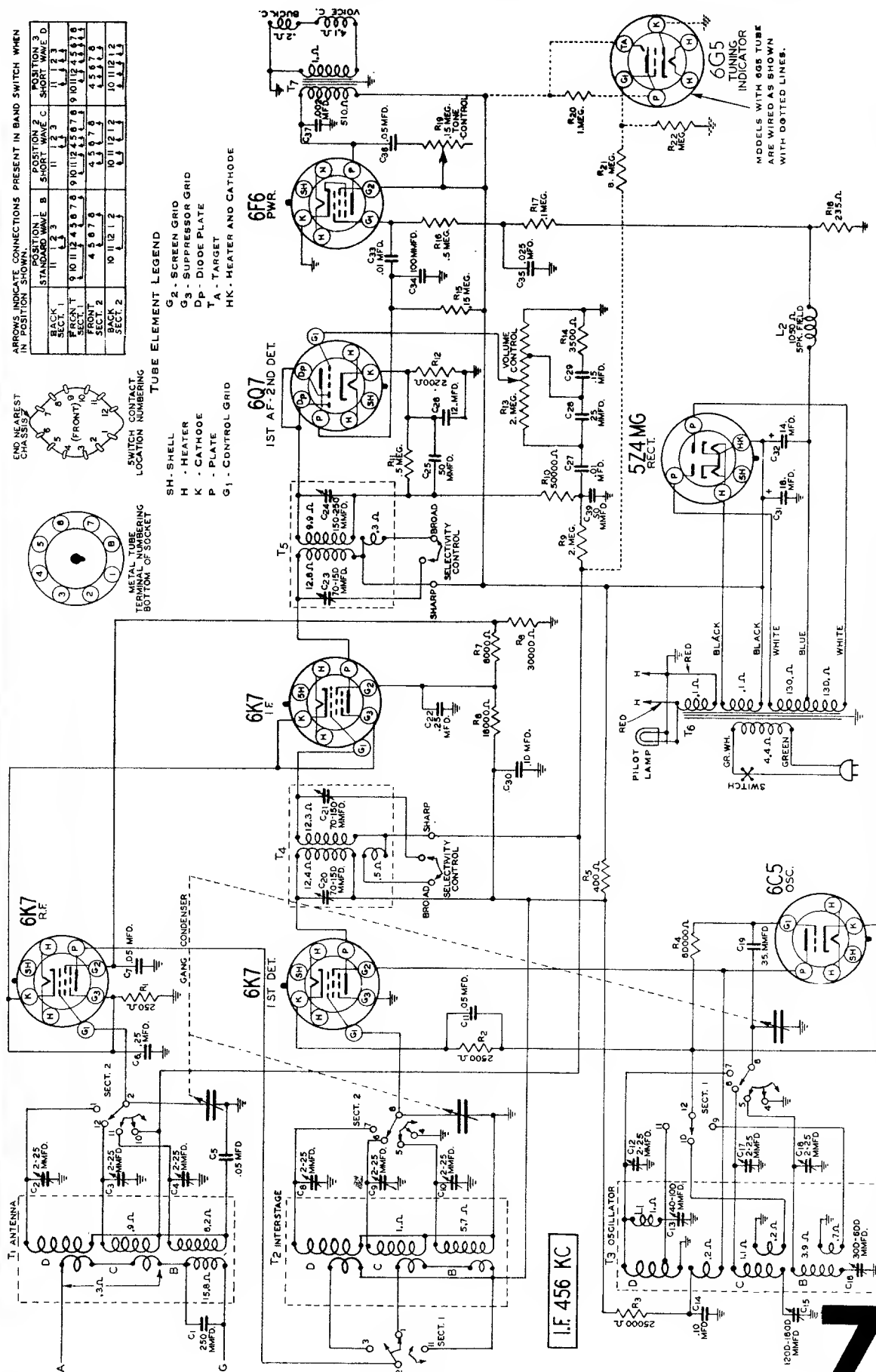
POSITION	STANDARD WAVE	B	POSITION 2	SHORT WAVE C	POSITION 3
BACK SECT. 1	11	1, 2	11	1, 2	1, 2
FRONT SECT. 1	9	10, 11, 12, 4, 5, 6, 7, 8	9	10, 11, 12, 4, 5, 6, 7, 8	9
BACK SECT. 2	4	5, 6, 7, 8	4	5, 6, 7, 8	4
FRONT SECT. 2	10	11, 12, 1, 2	10	11, 12, 1, 2	10



SWITCH CONTACT LOCATION NUMBERING

TUBE ELEMENT LEGEND

- SH - SHELL
- H - HEATER
- K - CATHODE
- P - PLATE
- G1 - CONTROL GRID
- G2 - SCREEN GRID
- G3 - SUPPRESSOR GRID
- DP - DIODE PLATE
- TA - TARGET
- HK - HEATER AND CATHODE

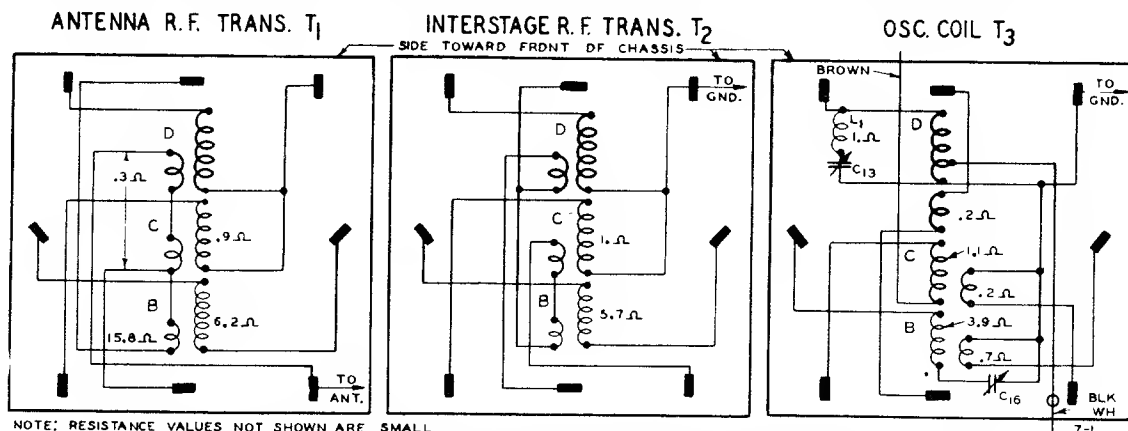


NOTE: RESISTANCE VALUES NOT SHOWN ARE SMALL.

Montgomery Ward Models 62-226, 62-228, 62-259, 62-318, 62-408, 62-418

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MANUAL OF 1939 MOST POPULAR SERVICE DIAGRAMS



R. F. and Oscillator Coil Base Terminal Arrangement and D. C. Resistance of Windings

Line Voltage: 115
Volume Control: Maximum

Antenna Shorted to Ground
Position of Band Switch: Standard Wave

TUBE	FUNCTION	VOLTAGE BETWEEN SOCKET PRONGS AND GROUND (Unless otherwise indicated)							
		Prong No. 1	Prong No. 2	Prong No. 3	Prong No. 4	Prong No. 5	Prong No. 6	Prong No. 7	Prong No. 8
6K7	RF	0	6.1(1)	260	100	4.0	....	6.1(1)	4.0
6K7	1st Det.	0	6.1(1)	260	118	0	....	6.1(1)	9.0
6C5	Osc.	0	6.1(1)	120	...	0	....	6.1(1)	0
6K7	I F	0	6.1(1)	260	138	4.0	....	6.1(1)	4.0
6Q7	1st A.F.—2nd Det.	0	6.1(1)	105	0	0	....	6.1(1)	1.4
6F6	Power Amp.	0	6.1(1)	238	260	18	....	6.1(1)	0
5Z4MG	Rect.	0	4.9(2)	...	680(3)	...	680(3)	....	4.9(2)
6E5	Tuning Indicator	Plate to Ground 30(4)		Target to Ground 270		Cathode to Ground 0		Across Heater 6.1 A.C.	

- (1) A.C. voltage as read across heater terminals 2 and 7.
(2) A.C. voltage as read across heater terminals 2 and 8.

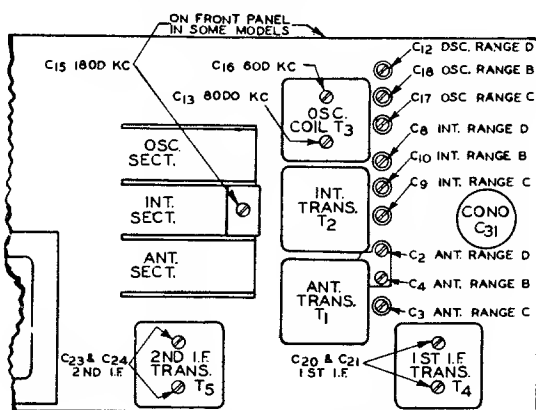
- (3) A.C. voltage as read across terminals 4 and 6.
(4) As read with 500,000 ohm meter.

The voltage readings are taken with a voltmeter having a resistance of 1000 ohms per volt.

The standard metal tube socket terminal numbering system (bottom of socket) is shown in Fig. 5

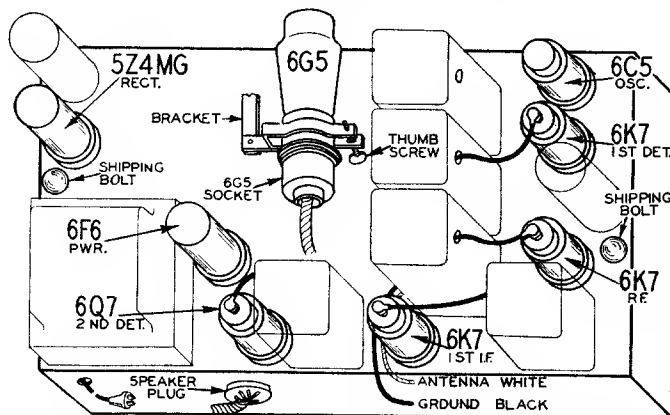
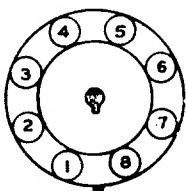
MONTGOMERY WARD

62-226, 62-228, 62-259, 62-308,
62-318, 62-408, 62-418



Location of Trimmers

Fig. 5—Metal tube terminal numbering (bottom of socket)



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MONTGOMERY-WARD & CO.

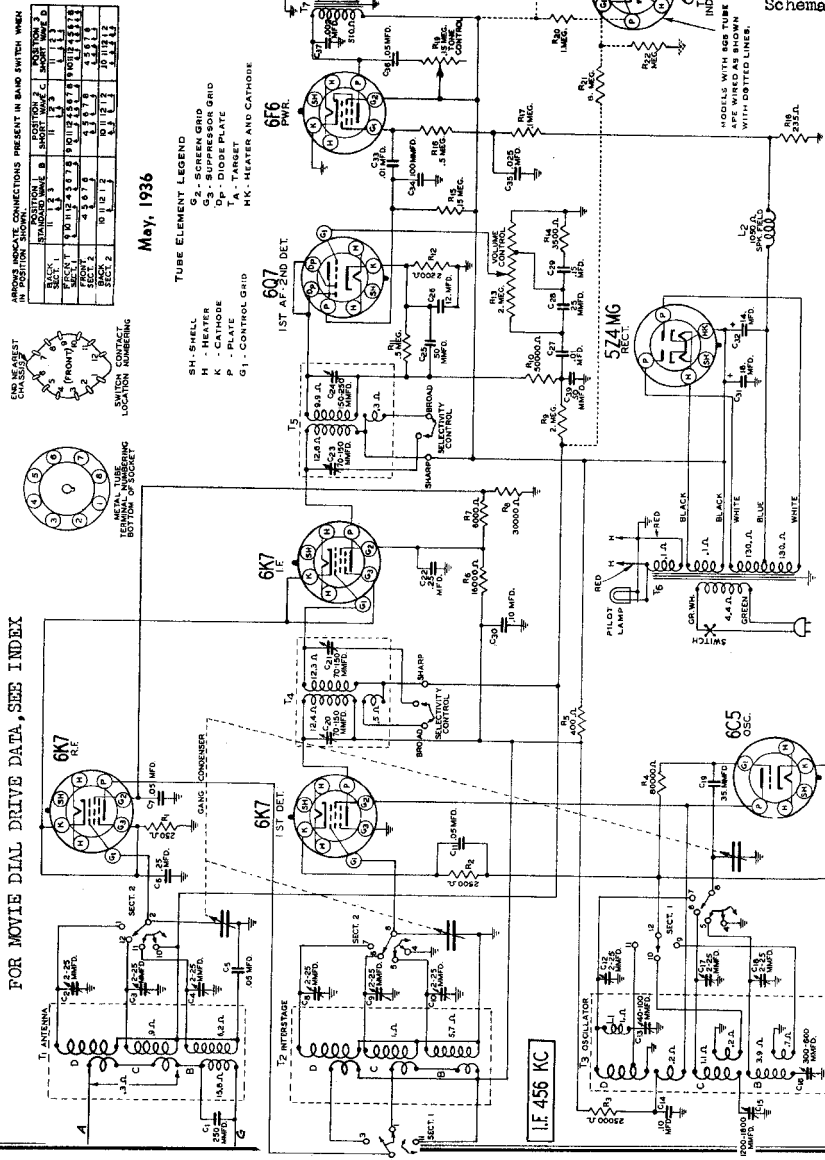
MODELS 62-226, 62-228

62-259, 62-308

62-318, 62-408

62=418

Schematic

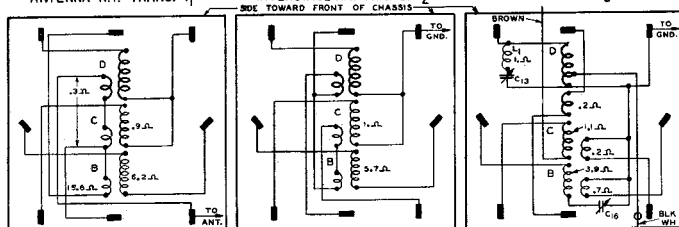


NOTE: RESISTANCE VALUES NOT SHOWN ARE SMALL.

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MODEL S 62-226, 62-228, 62-259
62-308, 62-318, 62-408
62-418

MONTGOMERY-WARD & CO. Trimmers, Voltage, Socket, Coils
Sensitivity, Phono Data

ANTENNA R.F. TRANS. T₁INTERSTAGE R.F. TRANS. T₂OSC. COIL T₂

NOTE: RESISTANCE VALUES NOT SHOWN ARE SMALL

Fig. 4—R. F. and Oscillator Coil Base Terminal Arrangement and D. C. Resistance of Windings

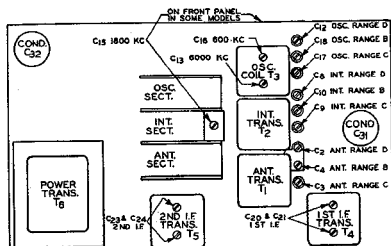


Fig. 3—Location of Trimmers

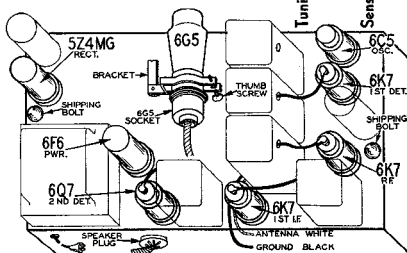


Fig. 6—Location of Tubes

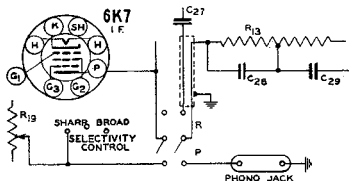


Fig. 7—Phonograph Connections

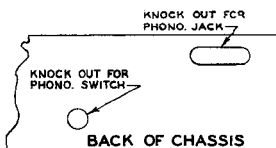


Fig. 8—Location of Phono Knockouts

Speaker... 8" and 10" Dynamic

Power Consumption . . . 85 Watts (At 115 volts 60 cycles)
Power Output 3 Watts Undistorted
Selectivity . . . 28 KC Broad at 1000 times Signal (Sharp)
Intermediate Frequency 456 KC.

Line Voltage: 115
Volume Control: Maximum

Antenna Shorted to Ground
Position of Band Switch: Standard Wave

		VOLTAGE BETWEEN SOCKET PRONGS AND GROUND (Unless otherwise indicated)							
TUBE	FUNCTION	Prong No. 1	Prong No. 2	Prong No. 3	Prong No. 4	Prong No. 5	Prong No. 6	Prong No. 7	Prong No. 8
6K7	RF.....	0	6.1 ⁽¹⁾	260	100	4.0	....	6.1 ⁽¹⁾	4.0
6K7	1st Det.....	0	6.1 ⁽¹⁾	260	118	0	....	6.1 ⁽¹⁾	9.0
6CS	Osc.....	0	6.1 ⁽¹⁾	120	...	0	....	6.1 ⁽¹⁾	0
6K7	I F.....	0	6.1 ⁽¹⁾	260	138	4.0	....	6.1 ⁽¹⁾	4.0
6Q7	1st A.F.—2nd Det.....	0	6.1 ⁽¹⁾	105	0	0	....	6.1 ⁽¹⁾	1.4
6F6	Power Amp.....	0	6.1 ⁽¹⁾	238	260	18	....	6.1 ⁽¹⁾	0
5Z4MG	Rect.....	0	4.9 ⁽²⁾	...	680 ⁽³⁾		680 ⁽³⁾		4.9 ⁽²⁾
6E5	Tuning Indicator	Plate to Ground 30 ⁽⁴⁾	Target to Ground 270	Cathode to Ground 0	Across Heater 6.1 A.C.				

- (1) A.C. voltage as read across heater terminals 2 and 7.
- (2) A.C. voltage as read across heater terminals 2 and 8.

(3) A.C. voltage as read across terminals 4 and 6.
(4) As read with 500,000 ohm meter.

