

All American Mohawk

Model: S-7

Chassis:

Year:

Power:

Circuit:

IF:

Tubes:

Bands:

Resources

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MODEL S-7

Data

ALL-AMERICAN MOHAWK CORP.

Model S-7

TECHNICAL DATA

Resistors:

All carbon resistors used in these chassis are color coded in accordance with the R.M.A. code. In the following table the nominal resistance, power capacity, test limits, color marks and part numbers are listed.

Resistance	Color	Capacity	Tolerance	Part No.
150 ohms	Brown-green-brown	1/3 watt	10%	11-1760 or 11-1603
3,000 ohms	Orange-black-red	2 watt	10%	11-1759
4,500 ohms	Yellow-green-red	1/3 watt	10%	11-1542
7,500 ohms	Violet-green-red	1/3 watt	10%	11-1642
10,000 ohms	Brown-black-orange	1/3 watt	10%	11-1599
15,000 ohms	Brown-green-orange	1/3 watt	10%	11-1601
15,000 ohms	Brown-green-orange	2 watt	10%	11-1745
30,000 ohms	Orange-black-orange	1/3 watt	10%	11-1555
200,000 ohms	Red-black-yellow	1/3 watt	10%	11-1730
300,000 ohms	Orange-black-yellow	1/3 watt	10%	11-1556
500,000 ohms	Green-black-yellow	1/3 watt	10%	11-1531

One-third watt resistors are approximately $\frac{3}{4}$ " long by $\frac{1}{4}$ " in diameter.

One watt resistors are approximately $1\frac{1}{4}$ " long by $\frac{1}{4}$ " in diameter.

Two watt resistors are approximately $1\frac{1}{4}$ " long by $\frac{3}{8}$ " in diameter.

Condensers:

Fixed mica condensers used in these receivers are color coded to indicate capacity. In the following table nominal capacity test limits, color code and part number are listed.

Capacity	Color	Tolerance	Part Number
.00075 Mfd.	Violet, Green, Brown	10%	11-1801
5 m. mfd.	Black, Green, Black	10%	11-1595

Paper bypass condensers used in these receivers are of the cub type and are plainly marked to show capacity. In addition each unit carries a distinguishing color dot indicating the voltage rating as listed below.

Voltage	Color
200	Green dot or label
400	Red dot or label
600	Yellow dot or label

Normal Working Voltages:

- Line voltage 115 volts.
- Volume control in full "ON" position.
- Antenna disconnected so that no signal is received.
- Measurements made with 1000 ohm per volt meter.
- Except where a minus sign precedes the reading the NEGATIVE SIDE OF THE INSTRUMENT IS TO BE CONNECTED TO THE CHASSIS PAN.
- Tested tubes are used.

In a normal receiver all voltages will be within 5% of the values listed below:

Position of tube	Type of tube	Filament Voltage	Cathode Voltage	Plate Voltage	Screen Voltage	Grid Voltage
R.F. Amp.	-51 or 35	2.50 A. C.	2.00	195.0	70.0	0
1st Det.	-24	2.50 A. C.		195.0	70.0	0
Oscillator	-27	2.50 A. C.	0	70.0		0
I.F. Amp.	-51 or 35	2.50 A. C.	2.00	195.0	70.0	0
2nd. Det.	-24	2.50 A. C.	4.50	168.0 **	70.0	0
Output	-47	2.50 A. C.		230.0		0
Rectifier	-80	5.00 A. C.		350.0 A. C.	250.0 (note)	-17.0**

Speaker field current—57 M. A.

** Owing to the high resistance of the circuit these voltages can be measured accurately only with an electrostatic voltmeter.
Note—Screen of pentode is connected to cathode pin on socket.