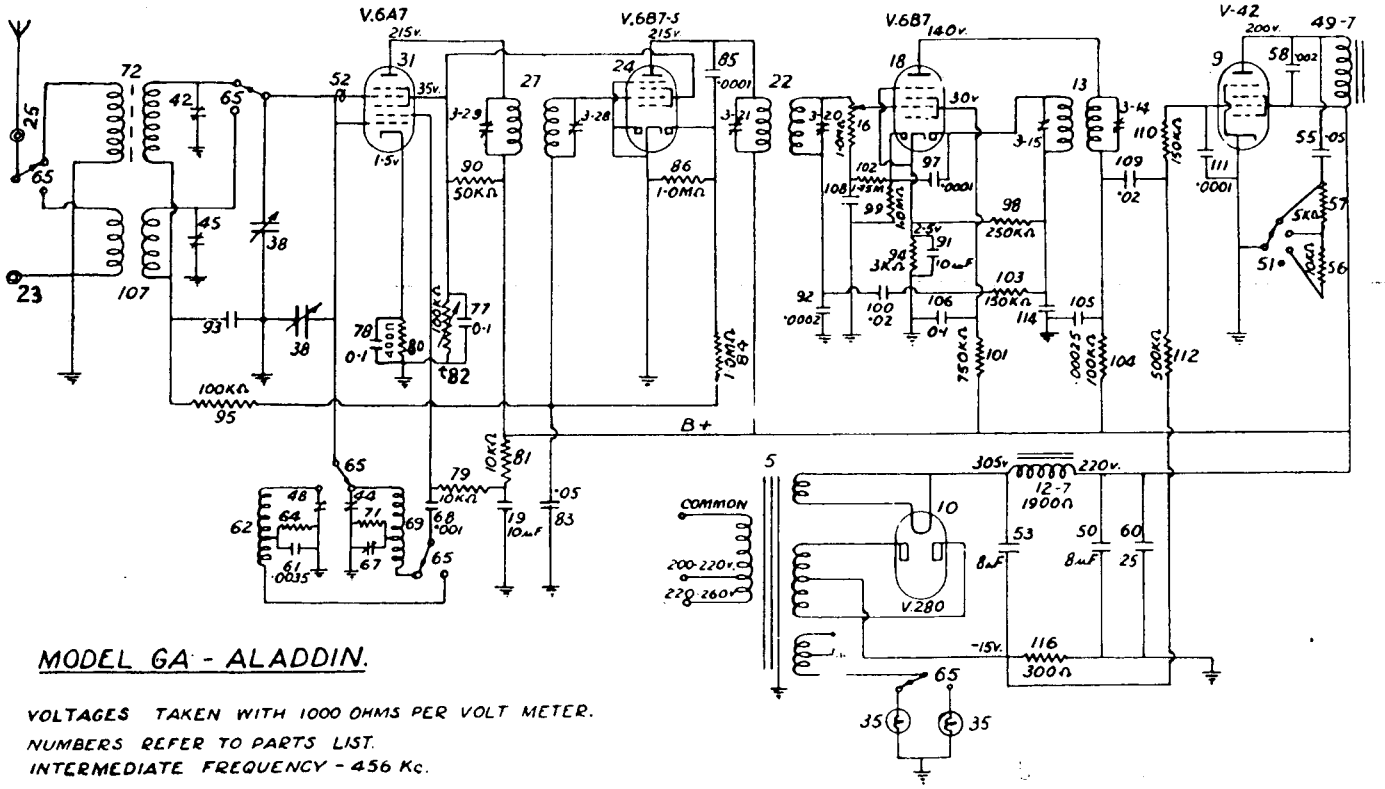
# Astor "Aladdin" A.C. Dual-Wave Mantel Model GA
# "Astor" A.C. Operated Dual-Wave Console Model 550




## ASTOR A.C., D/W "ALADDIN"

**Chassis type "GA," 6-inch, 1,900 ohms field, loudspeaker.**

## ASTOR D/W MODEL 550

**Chassis type "HB," 8-inch, 1,900 ohms field, loudspeaker.**

**Chassis "GA" and "HB" differ only in placement of parts.**

### COMPONENT VALUES.

The majority of the components used in the Astor Model "Aladdin" (Chassis Type GA) and Astor Model 340 (Chassis Type HB) have manufacturer's part numbers allocated to them, and, in order to simplify replacement, and also identification of the various components, the complete list is given below. The majority of the indices quoted appear on the circuit diagram and in cases where they do not, it will usually be obvious that the component referred to is structural as distinct from electrical.

3—universal I.F. trans. trimmers; **5** (PT113)—power trans.; **7**(PM124)—Complete Dynamic loudspeaker; **9**(PM118)—Type 42 tube; **10**(PM119)—Type 80 tube; **12**—1,900 ohms, loudspeaker field, **13**(PT107)—3rd I.F. trans., 456 kC.; **16**(PR111)—1 megohm, volume control (logarithmic), **18** (PM117)—6B7 tube; **19**(PC123)—10 mfd., 300 v., dry electro.; **22**(PT106)—2nd I.F. trans., 456 kC.; **24**(PM116)—6B7S tube; **27**(PT105)—1st I.F. trans., 456 kC.; **31**(PM115)—6A7 tube; **Dial Lamps**(PM121)—3.5 v., 0.3A.; **38** (PC101)—15/384 mmfd., 2-gang variable; **42, 44**(PC169)—B.C. aer. and osc. coil trimmers respectively; **45, 48**(PC170)—S.W. aer. and osc. coil trimmers respectively; **47** (PM114)—Flexible volume control shaft; **49**—7,000 ohms, loudspeaker transformer; **50** (PC129)—8 mfd., 450 v., W., wet electro; **51**—4-position tone-control switch, BP60, FCOA, GA; **52**—neutralising condenser ("gimmick"); **53** (PC130)—8 mfd., 500 v., W., wet electro; **55** (PC136)—0.05 mfd., 600 v., paper; **56** (PR121)—10,000 ohms, ½ W.; **57** (PR120)—5,000 ohms, 1 W.; **58** (PC136)—0.002 mfd., 600 v., paper; **59** (PM123)—4-pin socket (80); **60** (PC128)—0.25 mfd., 400 v.; **61** (PC104)—0.0035 mfd., plus 7½%, minus 2½%, 1,000 v., mica; **62** (PT103)—S.W. osc. coil; **64, 79, 81** (PR107)—10,000 ohms, ½ W.; **65** (PM106)—wave-change switch; **67** (PC164))—150/500 mmfd., B.C. padder; **68** (PC110)—0.001 mfd., 1,000 v., mica; **69** (PT104)—B.C. osc. coil; **71** (PR105)—50,000 ohms, ½ W.; **72** (PT102)—B.C. aer. coil; **74, 89. 96** (PM122)—7-pin socket; **77, 78. 106** (PC131)—0.1 mfd., 400 v. paper; **80** (PR114) 400 ohms, ½ W.; **82** (PR102)—100,000 ohms, 1 W., sensitivity control; **83, 93, 108** (PC132)—0.05 mfd., 400 v., paper; **84, 86, 99** (PR110)—1 megohm, ½ W.; **85, 97. 111** (PC110)—100 mmfd., 1,000 v., mica; **90** (PR160)—50,000 ohms, ½ W.; **91** (PC125)—10 mfd., 25 v., W., electro; **92** (PC124)—200 mmfd., 1,000 v., mica; **94** (PR117)—3,000 ohms, ½ W.; **95, 104** (PR101)—100,000 ohms, ½ W.; **98** (PR133)—250,000 ohms, ½ W.; **100, 109** (PC135)—0.02 mfd., 400 v., paper; **101** (PR118)—750,000 ohms, ½ W.; **102** (PR109)—1.75 megohms, ½ W.; **103, 110** (PR119)—150,000 ohms, ½ W.; **105** (PC126)—250 mmfd., 1,000 v., mica; **107** (PT101)—S.W. aer. coil; **112** (PR112)—500,000 ohms, ½ W.; **113** (PM108)—6-pin socket; **114** (PC144)—500 mmfd., 1,000 v., mica; **116** (PR122)—300 ohms, 1 W.

### ALTERATIONS.

In earlier models of this series it will be found that 64 (10,000 ohms) is a 30,000 ohms resistor. The change was made as from 4/10/'37. A 10,000 ohms ½ W. resistor will be found connected from aer. to ground in later models of this series. This addition was made as from 22/1/'38, in order to prevent the primary circuit becoming sharply resonant to the intermediate frequency with small aerials.