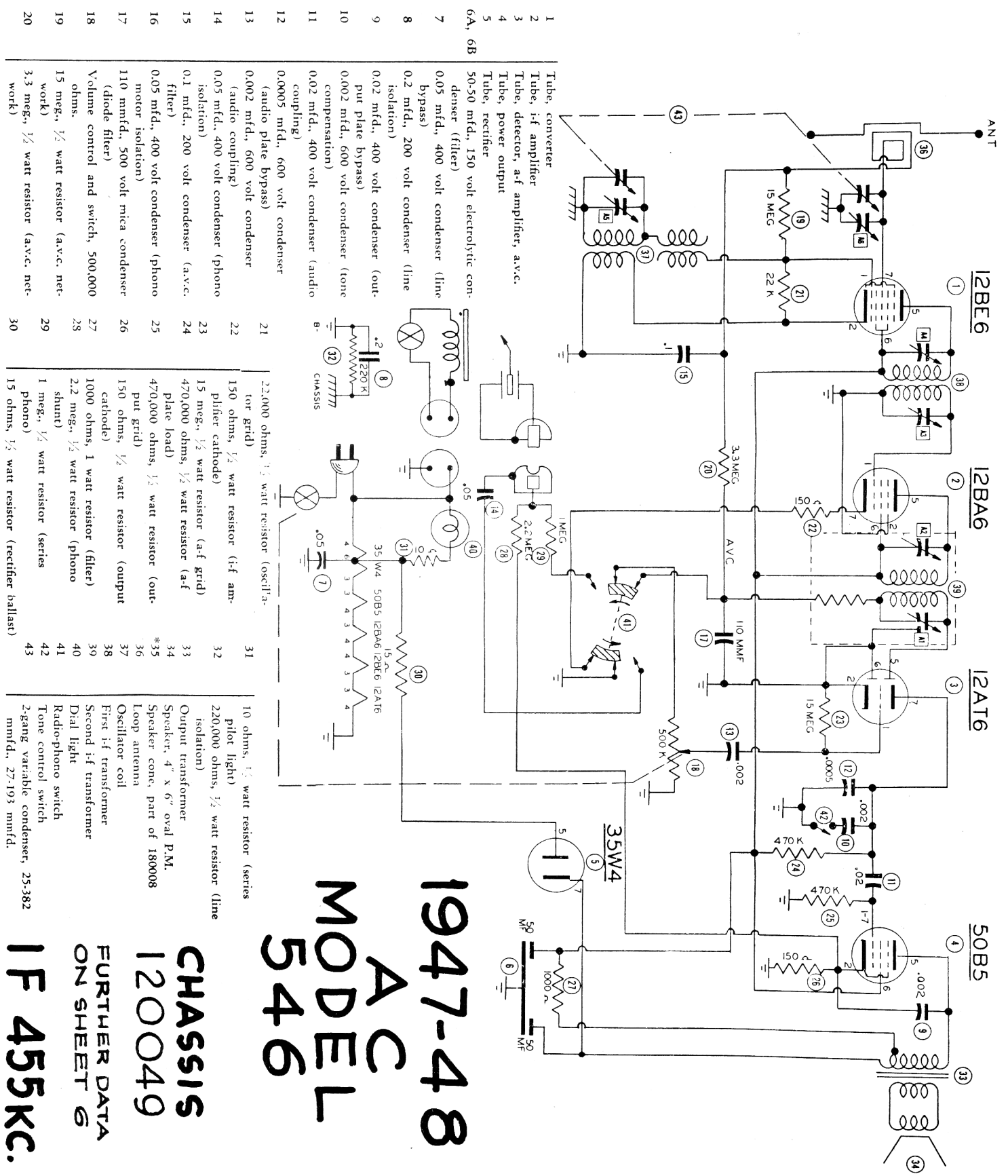


1947-48 A C MODEL 546

**CHASSIS
120049**

**FURTHER DATA
ON SHEET 6**

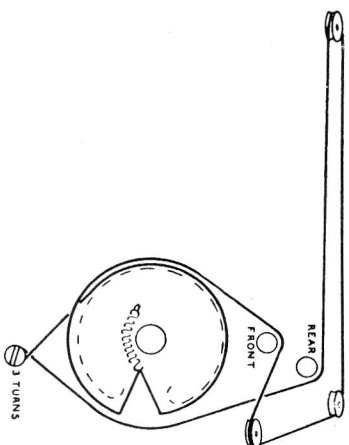
IF 455KC.



ALIGNMENT

Use an isolation transformer if available. If not, connect a 0.1 mfd. condenser in series with low side of signal generator and B—. Volume control should be at maximum position; output of signal generator should be no higher than necessary to obtain an output reading. Use an insulated alignment screwdriver for adjusting.

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	METER OUTPUT	ADJUST	REMARKS
1 0.1 mfd.	High side to pin 7 (grid) of 12BE6. Low side to B—.	455 kc	Variable condenser fully open.	Across voice coil.	A1, A2, A3, A4	Adjust for maximum output. If isolation transformer is not used reduce dummy antenna to 0.001 mfd. to reduce hum modulation.
2 200 mmfd.	High side to external antenna lead. Low side to external ground lead.	1620 kc	Variable condenser fully open.	Across voice coil.	A5	Adjust for maximum output.
3 200 mmfd.	High side to external antenna lead. Low side to external ground lead.	1400 kc	Tune for maximum output.	Across voice coil.	A6	Adjust for maximum output.



DIAL CORD DRIVE

IF = 455 KC.

VOLTAGE READINGS

SYMBOL	TUBE	PIN 1	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6	PIN 7
1	12BE6	—7 DC	0	13 AC	25 AC	97 DC	97 DC	—0.2 DC
2	12BA6	0	0	36 AC	25 AC	97 DC	97 DC	1.6 DC
3	12AT6	—0.6 DC	0	13 AC	0	—0.5 DC	0	39 DC
4	50B5	0	6 DC	87 AC	36 AC	115 DC	97 DC	0
5	35W4	117 AC	116 AC	87 AC	117 AC	111 AC	112 AC	122 DC

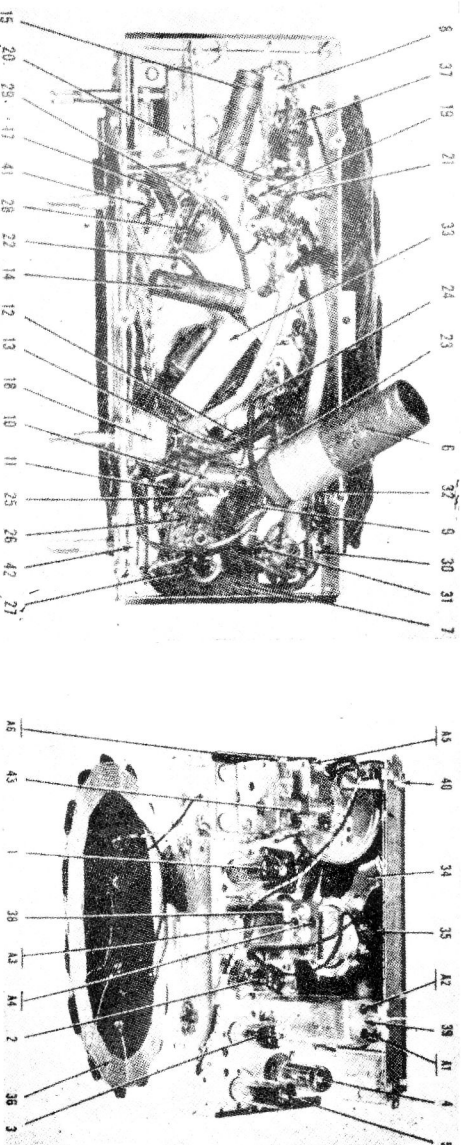
VOLTAGE AND RESISTANCE READING INSTRUCTIONS

INSTRUCTIONS

- 1—Voltage readings are in volts and resistance readings in ohms unless otherwise specified.
- 2—D-C voltage measurements are at 200,000 ohms per volt; a-c voltages measured at 1000 ohms per volt.
- 3—Socket connections are shown as bottom views.
- 4—Measured values are from socket pin to common negative.
- 5—Line voltage maintained at 117 volts for voltage readings.
- 6—Nominal tolerance on component values makes possible a variation of $\pm 15\%$ in voltage and resistance readings.
- 7—Volume control at maximum, no signal applied for voltage measurements.

RESISTANCE READINGS

SYMBOL	TUBE	PIN 1	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6	PIN 7
1	12BE6	21,000	0.3	12	22	80,000	80,000	2.5 meg.
2	12BA6	18	0	33	22	80,000	80,000	140
3	12AT6	15 meg.	0	12	0	500,000	0	550,000
4	50B5	450,000	140	78	33	80,000	80,000	450,000
5	35W4	103	102	78	103	110	99	80,000



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INSTRUCTION
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