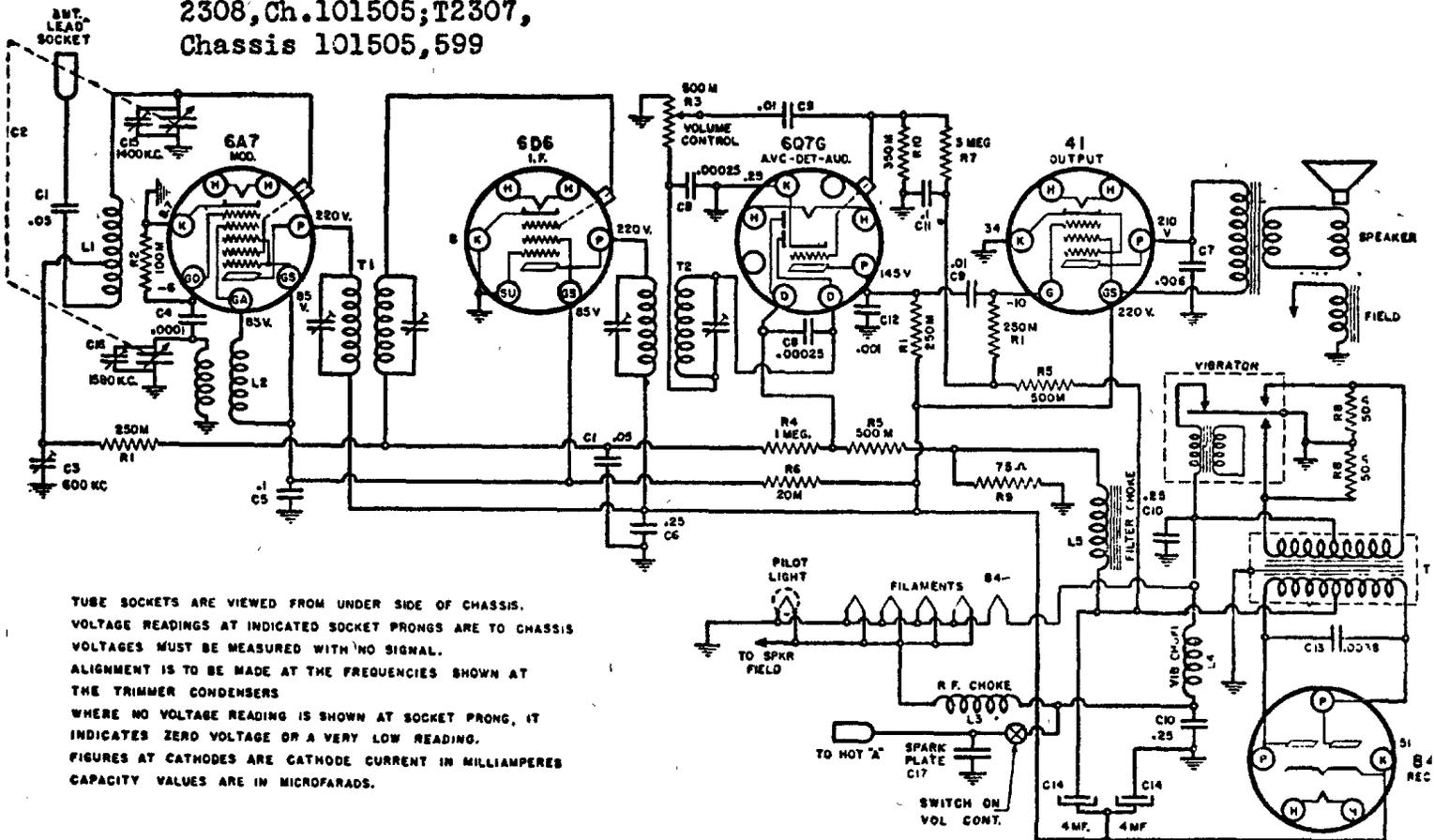


MODELS 579, 1140, 1141
 Chassis 559; V1140, 2307,
 2308, Ch. 101505; T2307,
 Chassis 101505, 599

SPIEGEL, INC.



TUBE SOCKETS ARE VIEWED FROM UNDER SIDE OF CHASSIS.
 VOLTAGE READINGS AT INDICATED SOCKET PRONGS ARE TO CHASSIS
 VOLTAGES MUST BE MEASURED WITH NO SIGNAL.
 ALIGNMENT IS TO BE MADE AT THE FREQUENCIES SHOWN AT
 THE TRIMMER CONDENSERS
 WHERE NO VOLTAGE READING IS SHOWN AT SOCKET PRONG, IT
 INDICATES ZERO VOLTAGE OR A VERY LOW READING.
 FIGURES AT CATHODES ARE CATHODE CURRENT IN MILLIAMPERES
 CAPACITY VALUES ARE IN MICROFARADS.

9-38-94-5

ALIGNMENT PROCEDURE

PRELIMINARY

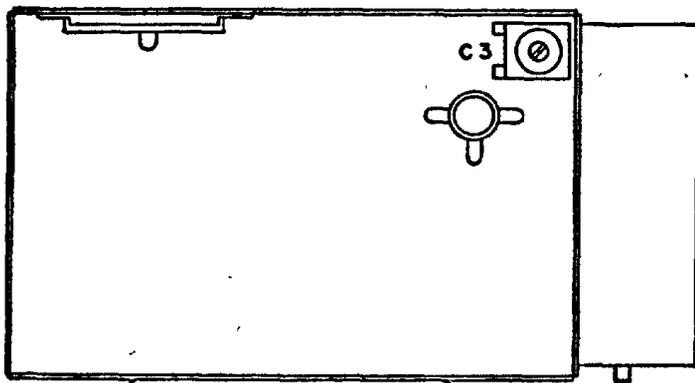
Output Meter Connections	.....	Across Loud Speaker Voice Coil
Output Meter Reading to Indicate 1 Watt	.....	1.85 Volts
Generator Ground Lead Connection	.....	Receiver Chassis
Dummy Antenna Value to Be in Series with Generator Output	.....	See Chart Below
Connection of Generator Output Lead	.....	See Chart Below
Generator Modulation	.....	30%, 400 Cycles
Position of Volume Control	.....	Fully On

Position of Variable	Generator Frequency	Dummy Antenna	Generator Connection	Trimmer Adjustments (In Order Shown)	Trimmer Function
Closed	456 KC	.1 mfd.	6A7 Grid	T2, T1	I. F.
Fully Open	1580 KC	.0002 mfd.	Antenna Conn.	C16	Oscillator Trimmer
1400 KC	1400 KC	.0002 mfd.	Antenna Conn.	C15	Antenna Trimmer
600 KC	600 KC	.0002 mfd.	Antenna Conn.	C3	Antenna Padder

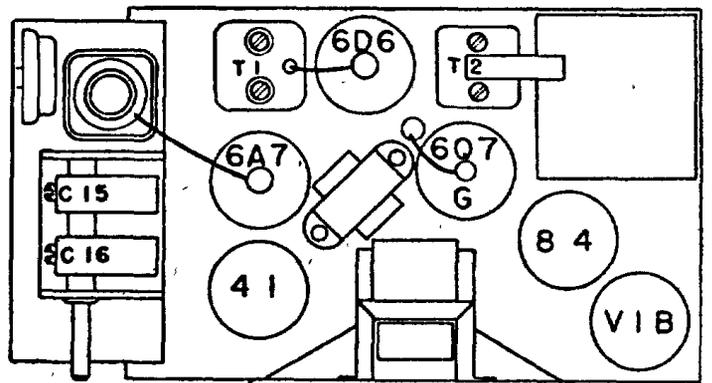
The variable condenser should be at 600 k.c. for antenna adjustment.

The alignment procedure should be repeated in the original order, step by step, to insure greater accuracy. A final adjustment of antenna padder condenser C3 is always made after the receiver is installed in the car, in order to match the car antenna.

Always keep the output power from the generator at its lowest possible value to prevent the A.V.C. of the receiver from interfering with accurate alignment.



LOCATIONS OF PARTS UNDER CHASSIS



LOCATIONS OF PARTS ON TOP OF CHASSIS