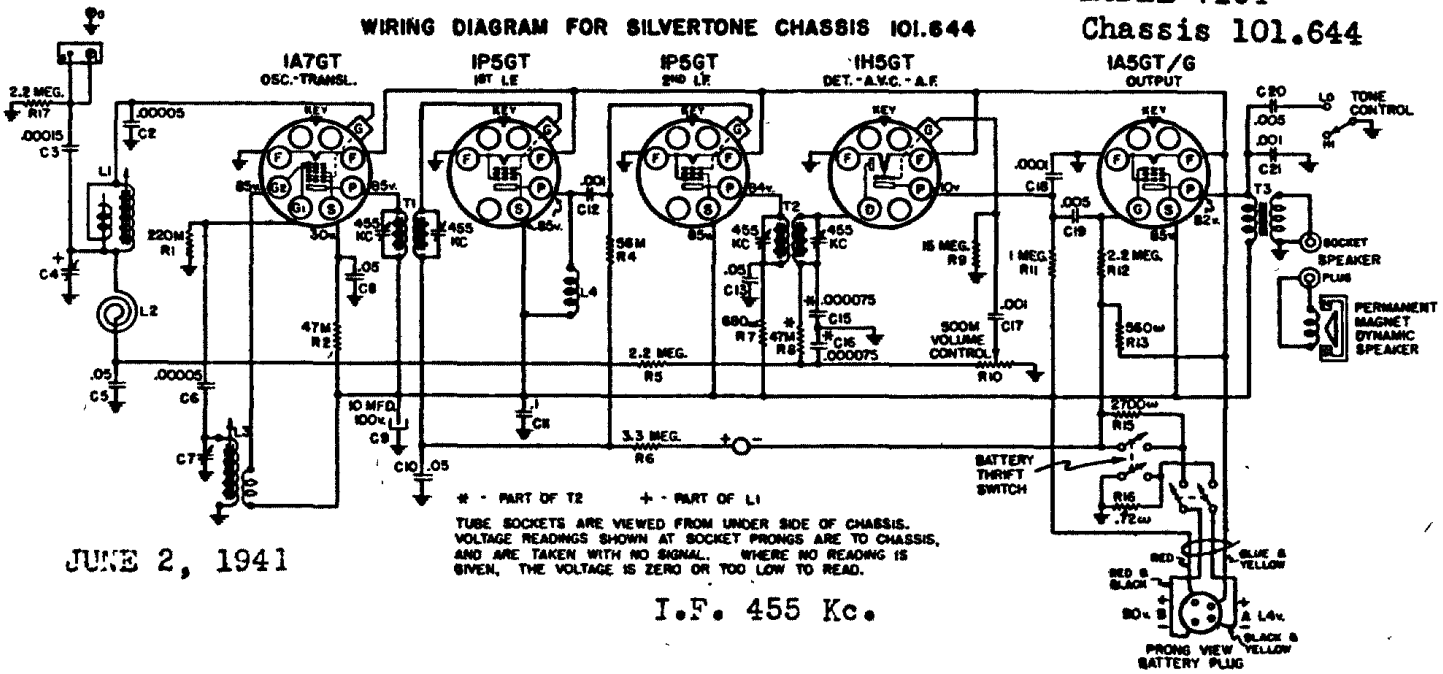
SEARS, ROEBUCK & CO.

MODEL 7104
Chassis 101.644

WIRING DIAGRAM FOR SILVERTONE CHASSIS 101.644



JUNE 2, 1941

I.F. 455 Kc.

ALIGNMENT PROCEDURE

PRELIMINARY:

Output meter connections . . . . . Across loudspeaker voice coil
Output meter reading to indicate 50 milliwatts . . . . . .0.37 volts
Approximately microvolts input to indicate 50 milliwatts output . . . . . See chart below
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 Tone Control . . . . . HI
Position of pointer with tuner fully closed . . . . . To left of 540 kc calibration mark .

TRIMMER ADJUSTMENTS

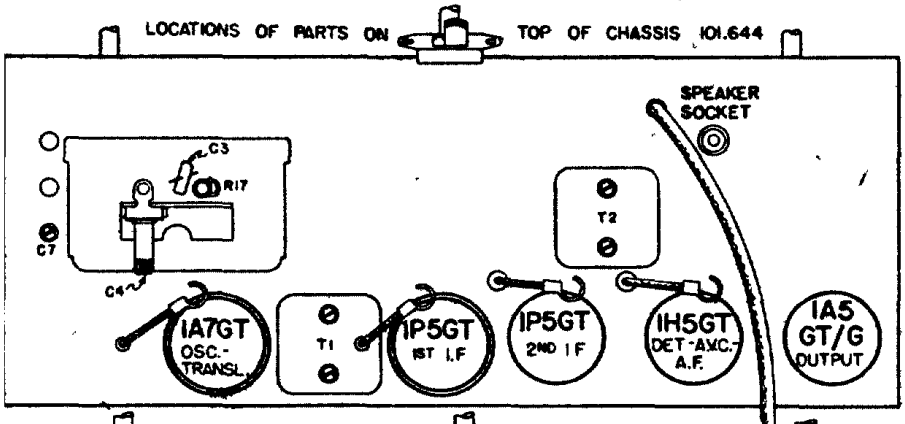
POSITION OF TUNER	GENERATOR FREQUENCY	DUMMY ANTENNA	GENERATOR CONNECTION	(IN ORDER SHOWN)	TRIMMER FUNCTION	APPROXIMATE MICROVOLTS
Closed	455 Kc	.1 mfd.	1A7GT Translator Grid	T2, T1	IF	-
1700	1700 Kc	.00005 mfd.	Antenna Terminal	C7	Oscillator	-
1700	1700 Kc	.00005 mfd.	Antenna Terminal	C4	Translator	10

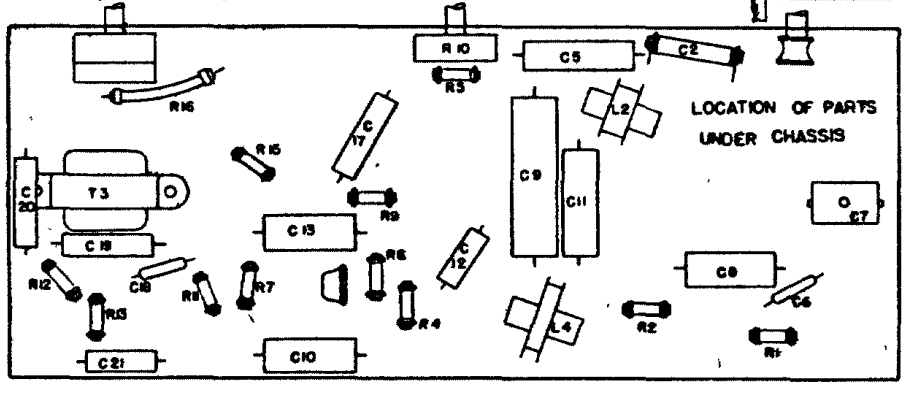
IMPORTANT ALIGNMENT NOTES

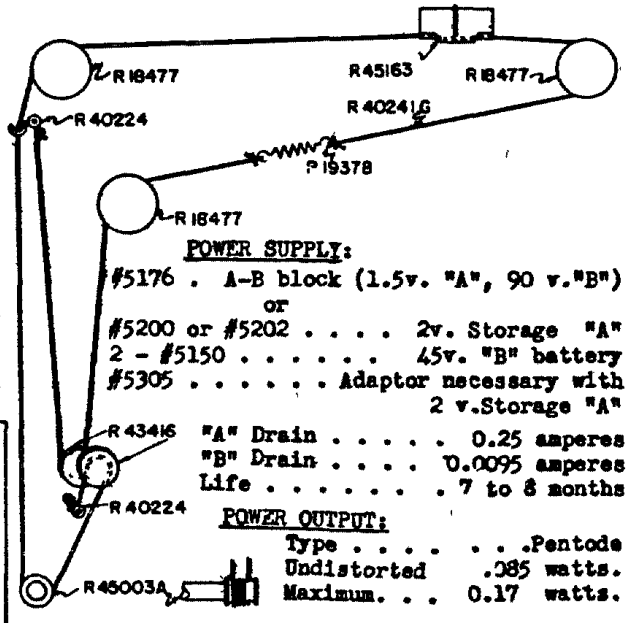
Make both the oscillator and translator antenna adjustment at 1700 KC on the BC band.

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

LOCATIONS OF PARTS ON TOP OF CHASSIS 101.644







POWER SUPPLY:

#5176 . A-B block (1.5v. "A", 90 v."B")
or
#5200 or #5202 . . . . 2v. Storage "A"
2 - #5150 . . . . . 45v. "B" battery
#5305 . . . . . Adaptor necessary with 2 v.Storage "A"

"A" Drain . . . . . 0.25 amperes
"B" Drain . . . . 0.0095 amperes
Life . . . . . 7 to 8 months

POWER OUTPUT:

Type . . . . . .Pentode
Undistorted .085 watts.
Maximum. . . 0.17 watts.

ALIGNMENT FREQUENCIES

Oscillator Trimmer 1700 Kc	Antenna-Transl. Trimmer 1700 Kc