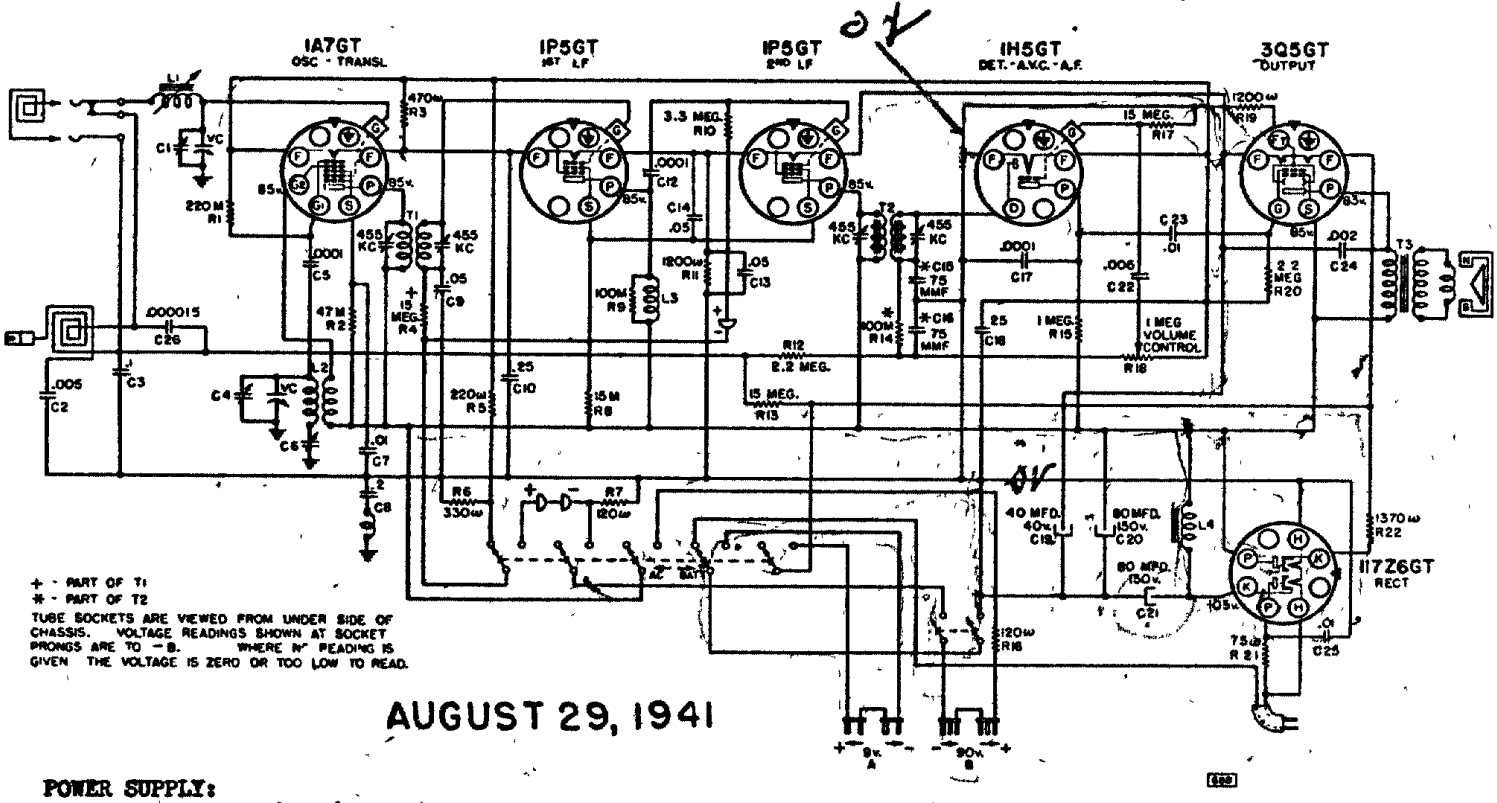
SEARS, ROEBUCK & CO.

MODE 7085, Ch. 101.688,
7090, Ch. 101.688-A



AUGUST 29, 1941

POWER SUPPLY:

"A" Battery (4-1/2 volt). . . . . 2 - #5085
Service rating - 250 Hours,
Drain: 50 ma.

"B" Batteries . . . . . 2 - #5090
Service rating - 250 Hours,
Drain: 12.5 ma.

105-125 volts, AC-DC - 25 watts

ALIGNMENT FREQUENCIES:

	Oscillator Trimmer	Antenna-Transl. Trimmer	Padder
	1620 kc	1410 kc	600 kc

FREQUENCY RANGE:

Broadcast . . . . . 540-1600 kc

INTERMEDIATE FREQUENCY . . . . . 455 kc

POWER OUTPUT:

Type . . . . . Beam
Undistorted . . . . . 0.145 watts
Maximum . . . . . 0.3 watts

LOUDSPEAKER:

Type . . . . . PM Dynamic
Size . . . . . 5 inch

OPERATING FEATURES:

Automatic Volume Control
Battery - AC Powered
Jack for connection of external loop

CHASSIS FEATURES:

Number IF stages . . . . . Two
Self-contained loop antenna and separate external loop
Special sensitivity compensation for low battery operation

MECHANICAL SPECIFICATIONS

OPERATING CONTROLS:

1. Left knob . . . . . On-Off Switch and Volume
2. Right knob . . . . . Station Selector

CONTROL OPERATION:

Turning right: . . . . . On; Volume increase
Tuning ratio: . . . . . Direct

GENERAL INFORMATION & SERVICE HINTS

The receiver contains a built-in "loop" antenna which will give entirely satisfactory reception from local and moderately distant stations. Because this antenna is directional, it will often be found that turning the receiver case to a particular position will considerably improve reception. An external loop is provided for attachment to window of an automobile, train, or other shielded location.

Additional range can be had by connecting to a conventional outdoor antenna or even to a 20 or 30 foot length of wire, run along the floor. The connection is made to the clip on the right side of the cabinet, accessible when the backcover is opened.

If the receiver is used inside a shielded building(a building having a large amount of steel in its structure), reception may be poor even with the external loop. Under such conditions, connection to an external antenna or even to a piece of wire hung outside the window will improve reception.

When electric power supply is used, the battery cable plugs must either be in place in the batteries, or else must be inserted in the holder provided if "B" batteries are not installed in the cabinet. They must not be allowed loose in the cabinet with possibility of touching each other. Failure to observe this instruction may result in shorting of the plugs and burning out of the tubes.