

ALL VOLTAGES MEASURED FROM SOCKET  
TERMINALS TO CHASSIS WITH A 20,000 OHM PER  
VOLT VOLTMETER. MEASUREMENTS TAKEN WITH  
NO SIGNAL AND 12.0 VOLTS AT SPARK PLATE.

TOTAL "A" DRAIN 3.5 AMPS

TOTAL "B" DRAIN 67 MA

TOLERANCE ON VOLTAGES  $\pm 10\%$

\* - INDICATES LEAD FROM TUNER COIL ASS'Y.

\*\* - SEE SERVICE PARTS LIST FOR REPLACEMENT.

□ - COLORS OF TERMINALS ON SERVICE PART.

Δ - OSCILLATOR GRID VOLTAGE AT 100 KC.

ΔΔ - MAXIMUM SENSITIVITY SETTING VOLTAGES.

NOTE: Illustration 85B will not be present in Model 7264185

MODELS 7264165 and 7264185

(Model 7264195 is similar in all respects except for changes introduced because of the remote control circuit.)

United Motors  
Cadillac Models  
7264165 and 7264185

## GENERAL

**MOUNTING**—Model 7264165 - All 1954 Cadillac Sedans. Model 7264185 - All 1954 Cadillac Convertibles.

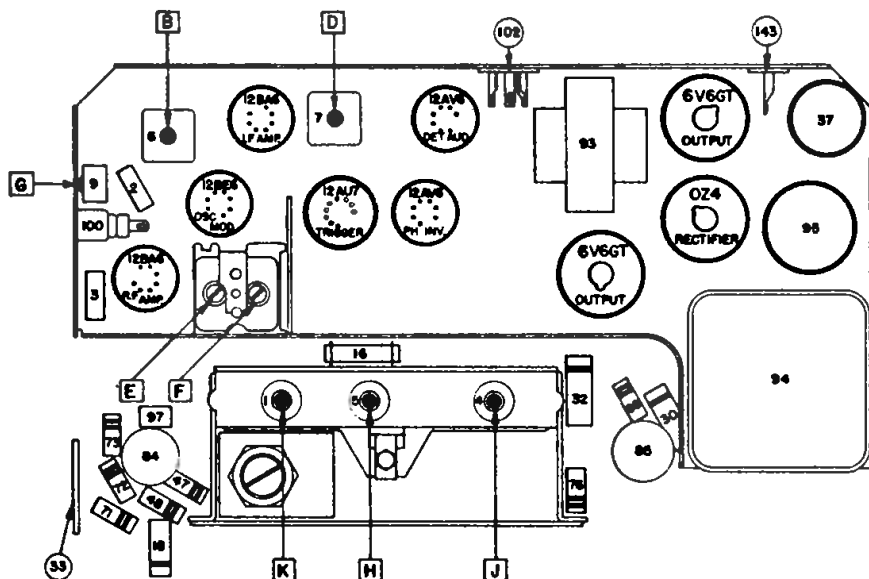
**TUBES**—Seven, plus Rectifier and Trigger.

**SPEAKER** — 6" x 9" Elliptical, Permanent Magnet.

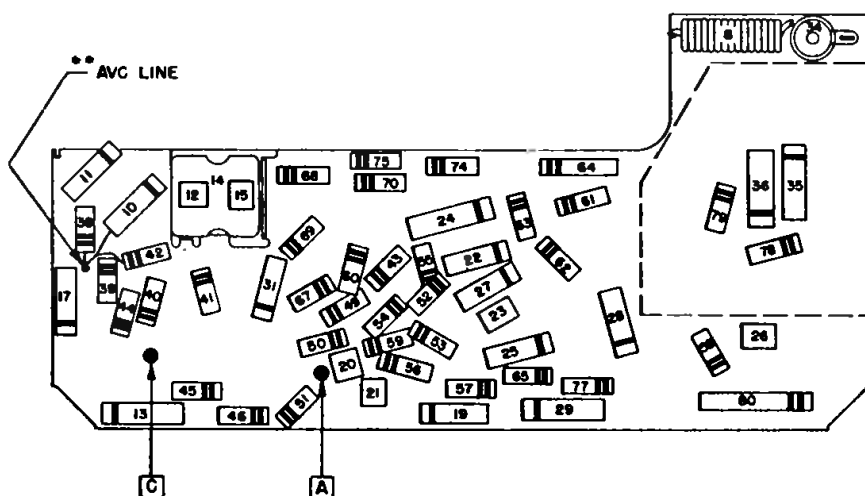
**TUNING**—Electronic.

**ANTENNA TRIMMER COMPENSATION** — 0.000060 - 0.000085 Mfd.

**TUNING RANGE**—540 - 1600 KC.



PARTS LAYOUT — TUBE VIEW



PARTS LAYOUT — CHASSIS VIEW

## SIGNAL SEEKING TUNER ALIGNMENT PROCEDURE:

**NOTE:** When aligning the signal seeker tuner type radio, be sure to use a vacuum tube voltmeter as indicated and be sure to follow the alignment sequence given—(Notice that the primary of the 2nd I.F. is aligned first.)

Output Meter Connection \_\_\_\_\_ VTVM From AVC Line To Chassis (see parts layout)  
Generator Return \_\_\_\_\_ Receiver Chassis  
Dummy Antenna \_\_\_\_\_ In Series With Generator  
Volume Control \_\_\_\_\_ Maximum Volume  
Sensitivity Control \_\_\_\_\_ Maximum Sensitivity  
Tone Control \_\_\_\_\_ Treble  
Generator Output \_\_\_\_\_ Not To Exceed 2 Volts at VTVM

Step	Dummy Antenna	Connect To	Signal Generator Frequency	Tune Receiver To	Adjust in Sequence for Output Indicated
1	0.1 mfd	12BE6 Grid (Pin 7)	262 KC	*High Frequency Stop	A, B, C (Max.)
2	0.1 mfd	12BE6 Grid (Pin 7)	262 KC	High Frequency Stop	D (Min.)
3	0.000068 mfd	Antenna Connector	1615 KC	High Frequency Stop	**E, F, G (Max.)
4	0.000068 mfd	Antenna Connector	600 KC	Signal Gen. Signal	J, K (Max.)
5	0.000068 mfd	Antenna Connector	1615 KC	Signal Gen. Signal	F, G (Max.)
6	0.000068 mfd	Antenna Connector	1000 KC	Signal Gen. Signal	***L

\*To tune to high frequency, put a 0.070" feeler gauge (or bare # 13 wire) in slot against the high frequency stop. Depress station selector bar and allow the planetary arm to run against the feeler gauge. Turn the radio off and then on.

\*\*Before making this adjustment, check the setting of oscillator core "H." The rear of the core should be 1 1/4" from the mounting end of the coil form. This measurement is readily made by inserting a suitable plug in the mounting end of the coil form. The core adjustment is made from the mounting end of the coil form with an insulated screwdriver. (It will be necessary to steady the core guide bar by applying a downward pressure at the antenna core end of the bar while making these adjustments.) If this adjustment is necessary, first dissolve the glyptal seal on the core stud and be sure to re-seal after making the adjustment.

\*\*\*"L" is the pointer adjustment screw on the end of the core guide bar—adjust so pointer reads 1000 KC.

With the radio installed and the antenna plugged in, adjust antenna trimmer "G" (See sticker on case) for maximum volume with the radio tuned to a weak station between 600 and 1000 KC.