

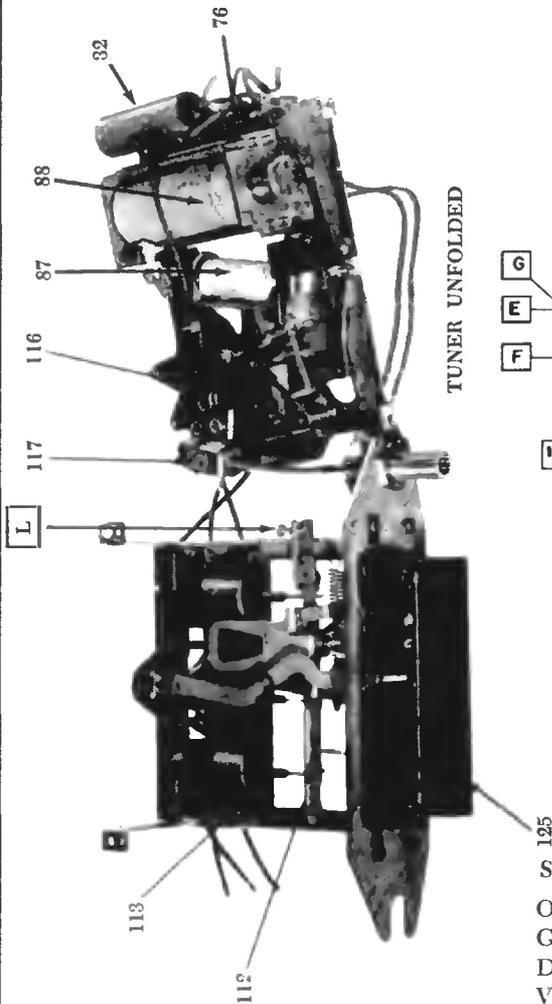
ALL VOLTAGES MEASURED FROM SOCKET TERMINALS TO CHASSIS WITH A VACUUM TUBE VOLT METER MEASUREMENTS TAKEN WITH NO SIGNAL AND 120 VOLTS AT SPARK PLATE. TUNER NOT SEEKING TOTAL "A" DRAIN 3.5 AMPS. TOTAL "B" DRAIN 65 MA TOLERANCE ON VOLTAGES ±10% ALL VOLTAGES MEASURED WITH SENSITIVITY CONTROL ONE POSITION FROM MAXIMUM

\* - INDICATES LEADS FROM TUNER COIL ASS'Y  
 □ - COLORS OF TERMINALS ON SERVICE PART  
 Δ - OSCILLATOR GRID VOLTAGE AT 1000 KC

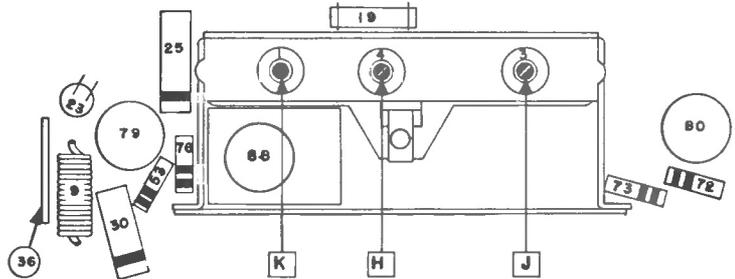
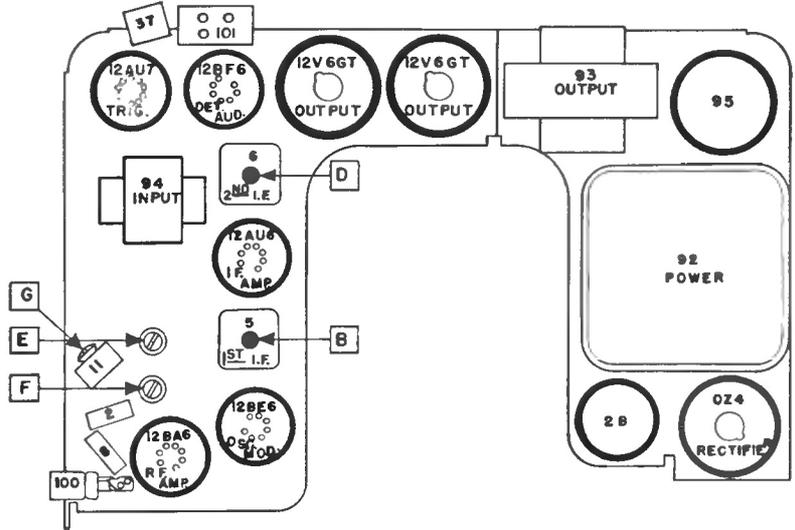
# UNITED MOTORS

BUICK MODEL 981708

## ALIGNMENT INFORMATION



TUNER UNFOLDED



PARTS LAYOUT — TUBE VIEW

### SIGNAL SEEKING TUNER ALIGNMENT

Output Meter Connection     \_\_\_ VTVM from AVC Line to chassis  
 Generator Return             ..... Receiver Chassis  
 Dummy Antenna             ..... In Series With Generator  
 Volume Control             ..... Maximum Volume  
 Tone Control                 ..... Treble  
 Generator Output             ..... Not to exceed 2 volts at VTVM

Step	Dummy Antenna	Connect Signal Generator To	Signal Generator Frequency	Tune Receiver To	Adjust in Sequence For Output Indicated
1	0.1 Mfd.	12BE6 Grid (Pin 8)	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	.000082 Mfd.	Antenna Connector	1615 KC	High Frequency Stop	**E, F, G (Max.)
4	.000082 Mfd.	Antenna Connector	600 KC	Signal Generator Signal	J, K (Max.)
5	.000082 Mfd.	Antenna Connector	1615 KC	Signal Generator Signal	F, G (Max.)
6	.000082 Mfd.	Antenna Connector	1000 KC	Signal Generator 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 back on.

\*\*Before making this adjustment, check the setting of oscillator core "H." The rear of the core should be  $1\frac{3}{32}$ " 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 while making these adjustments. This can be done by applying a downward pressure on the guide bar at the antenna coil end.) 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 the antenna trimmer "G" for maximum volume with the radio tuned to a weak station between 600 and 1000 KC (see sticker on case.)