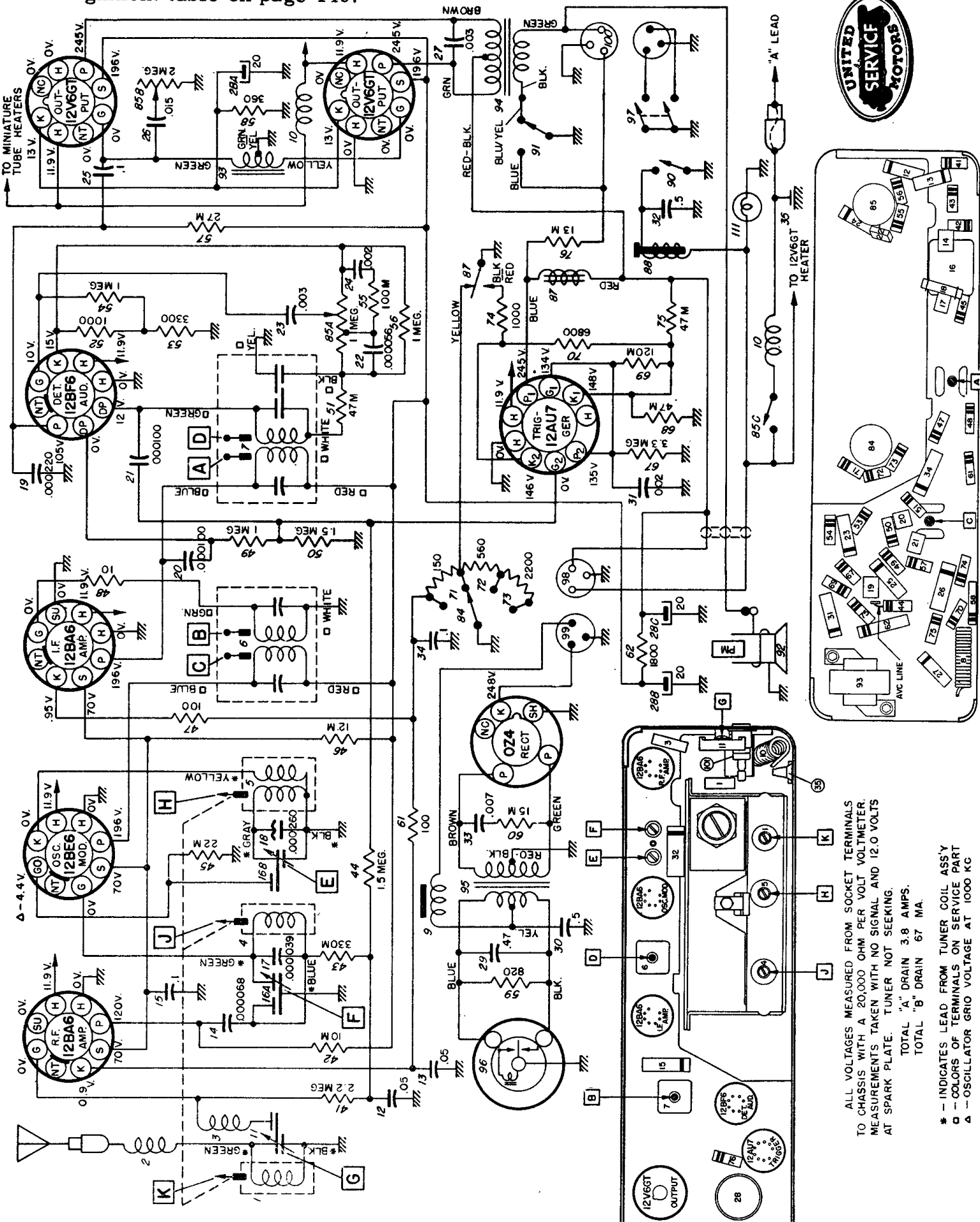


UNITED MOTORS SERVICE

SERVICE INSTRUCTIONS - OLDSMOBILE SUPER  
DELUXE MODEL 983004

Alignment table on page 146.



ALL VOLTAGES MEASURED FROM SOCKET TERMINALS  
TO CHASSIS WITH A 20,000 OHM PER VOLT VOLT METER.  
MEASUREMENTS TAKEN WITH NO SIGNAL AND 12.0 VOLTS  
AT SPARK PLATE. TUNER NOT SEEKING.  
TOTAL "A" DRAIN 3.8 AMPS.  
TOTAL "B" DRAIN 67 MA.

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

# UNITED MOTORS SERVICE

DIVISION OF GENERAL MOTORS CORPORATION

Alignment procedure for models listed below. For circuit diagrams and alignment points see corresponding models

Volume Control Position ..... Maximum Volume

Tone Control Position ..... Treble

Generator Output ..... Minimum for Readable Indication

## BUICK 981320

Steps	Series Condenser or Dummy Antenna	Connect Signal Generator to	Signal Generator Frequency	Tune Receiver to	Adjust in Sequence For Max. Output
1	0.1 Mfd.	6BE6 Grid (Pin #7)	262 KC	High Frequency Stop	A, B, C, D
2	0.000082 Mfd.	Antenna Connector	1615 KC	High Frequency Stop	*E, F, G
3	0.000082 Mfd.	Antenna Connector	1000 KC	Signal Generator Signal	J, K
4	0.000082 Mfd.	Antenna Connector	1615 KC	High Frequency Stop	F, G
5	0.000082 Mfd.	Antenna Connector	1000 KC	Signal Generator Signal	L**

## BUICK 981321

1	0.1 Mfd.	12BE6 Grid (Pin #7)	262 KC	High Frequency Stop	A, B, C, D
2	0.000082 Mfd.	Antenna Connector	1615 KC	High Frequency Stop	*E, F, G
3	0.000082 Mfd.	Antenna Connector	1000 KC	Signal Generator Signal	J, K
4	0.000082 Mfd.	Antenna Connector	1615 KC	High Frequency Stop	F, G
5	0.000082 Mfd.	Antenna Connector	1000 KC	Signal Generator Signal	L**

## OLDSMOBILE MODEL 982990

1	0.1 Mfd.	12BE6 Grid (Pin # 7)	260 KC	High Frequency Stop	A, B, C, D
2	0.000068 Mfd.	Antenna Connector	1615 KC	High Frequency Stop	*E, F, G
3	0.000068 Mfd.	Antenna Connector	1000 KC	Signal Generator Signal	J, K
4	0.000068 Mfd.	Antenna Connector	1615 KC	High Frequency Stop	F, G
5	0.000068 Mfd.	Antenna Connector	1000 KC	Signal Generator Signal	**L

## OLDSMOBILE MODEL 983004

1	0.1 mfd.	12BE6 Grid (Pin 7)	260 KC	*High Frequency Stop	A, B, C (Max.)
2	0.1 mfd.	12BE6 Grid (Pin 7)	260 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 Generator Signal	J, K (Max.)
5	0.000068 mfd.	Antenna Connector	1615 KC	Signal Generator Signal	F, G (Max.)
6	0.000068 mfd.	Antenna Connector	1000 KC	Signal Generator Signal	**L

## MODEL 984817

1	0.1 Mfd.	6BE6 Grid (Pin #7)	260 KC	High Freq. Stop	A, B, C, D
2	0.000068 Mfd.	Antenna Connector	1615 KC	High Freq. Stop	*E, F, G
3	0.000068 Mfd.	Antenna Connector	1000 KC	Signal Gen. Signal	J, K
4	0.000068 Mfd.	Antenna Connector	1615 KC	High Freq. Stop	F, G
5	0.000068 Mfd.	Antenna Connector	1000 KC	Signal Gen. Signal	L**

\*Before making this adjustment check the mechanical setting of the oscillator core "H." The slotted end of core should be  $1\frac{1}{2}$ " 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.) If adjustment is necessary, first dissolve the glyptal seal on the studs. Core adjustment should be made with an insulated screwdriver and core studs should be re-sealed in place with glyptal or household cement after alignment.

\*\*"L" is the pointer adjustment screw which is on the pointer connecting link (see tuner drawing) and should be adjusted so the pointer reads 1000 KC. (On first "0" of "100.")

With the radio installed and the car 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.)

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