

# DELCO

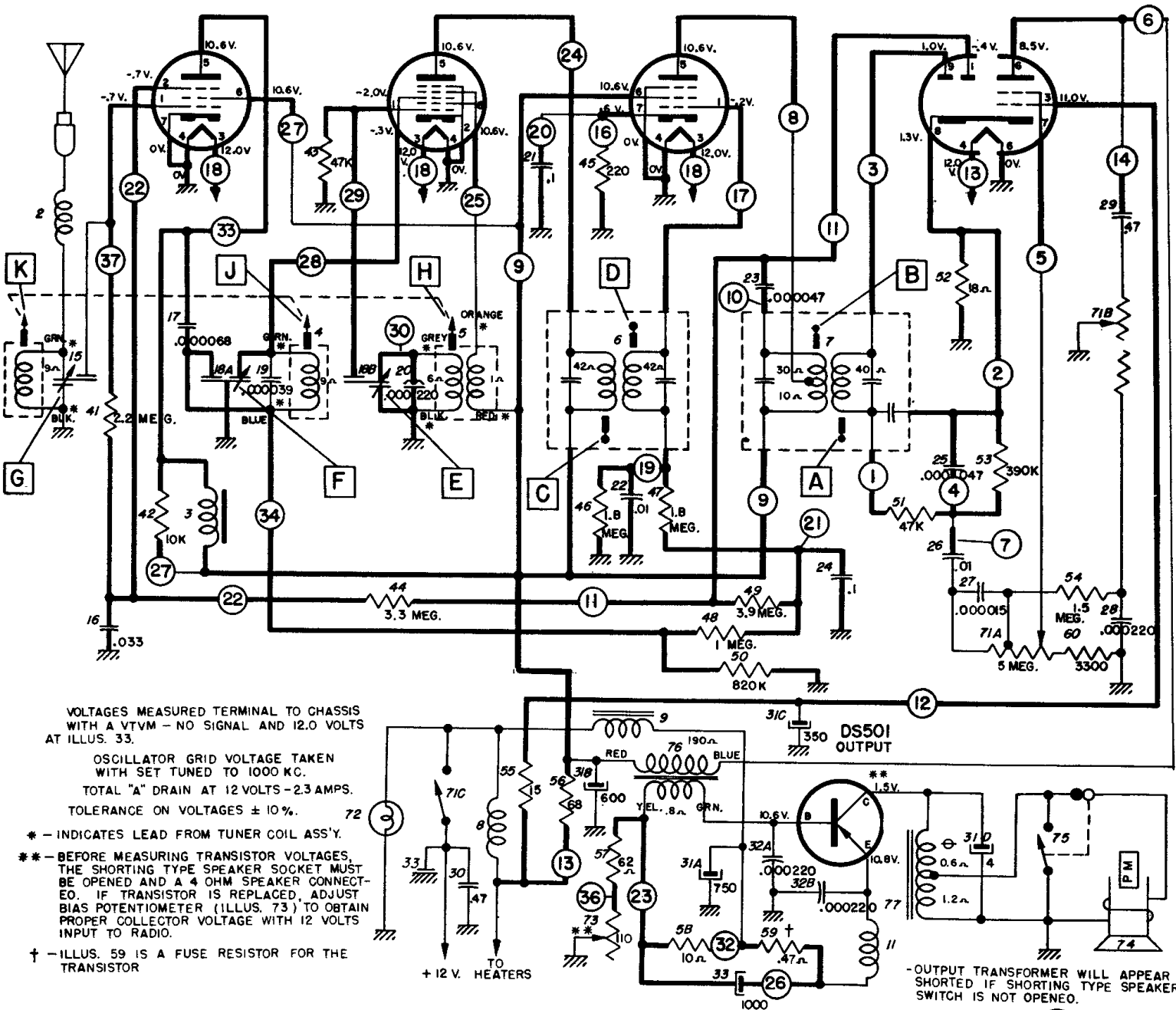
BUICK MODEL 981968

12DZ6  
R.F. AMP.

12AD6  
OSC-MOD.

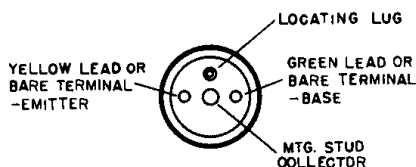
12EK6  
I.F. AMP.

12DS7  
DET.-AUD.

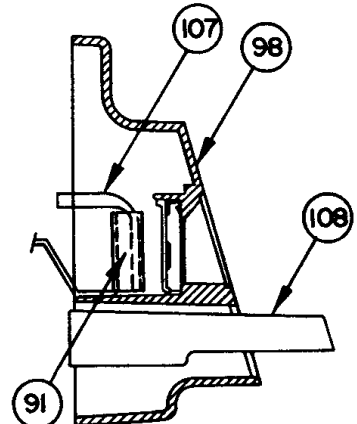


## BASIC TROUBLESHOOTING PROCEDURE

1. Put ear next to speaker and turn radio on. If slight "thump" is heard as this is done, trouble is in tube stages—try new tubes.
2. If no "thump" at all is heard, measure voltage from transistor case to radio chassis. If 1-2 volts is present, transistor is operating normally and trouble is either in speaker, speaker interlock socket, or one of the tube circuits.
3. If no voltage is present in step 2, check transistor circuit and particularly the transistor fuse resistor, Illustration No. 59. This resistor is mounted between points 32 and 26 on circuit board and should measure less than 1 ohm.

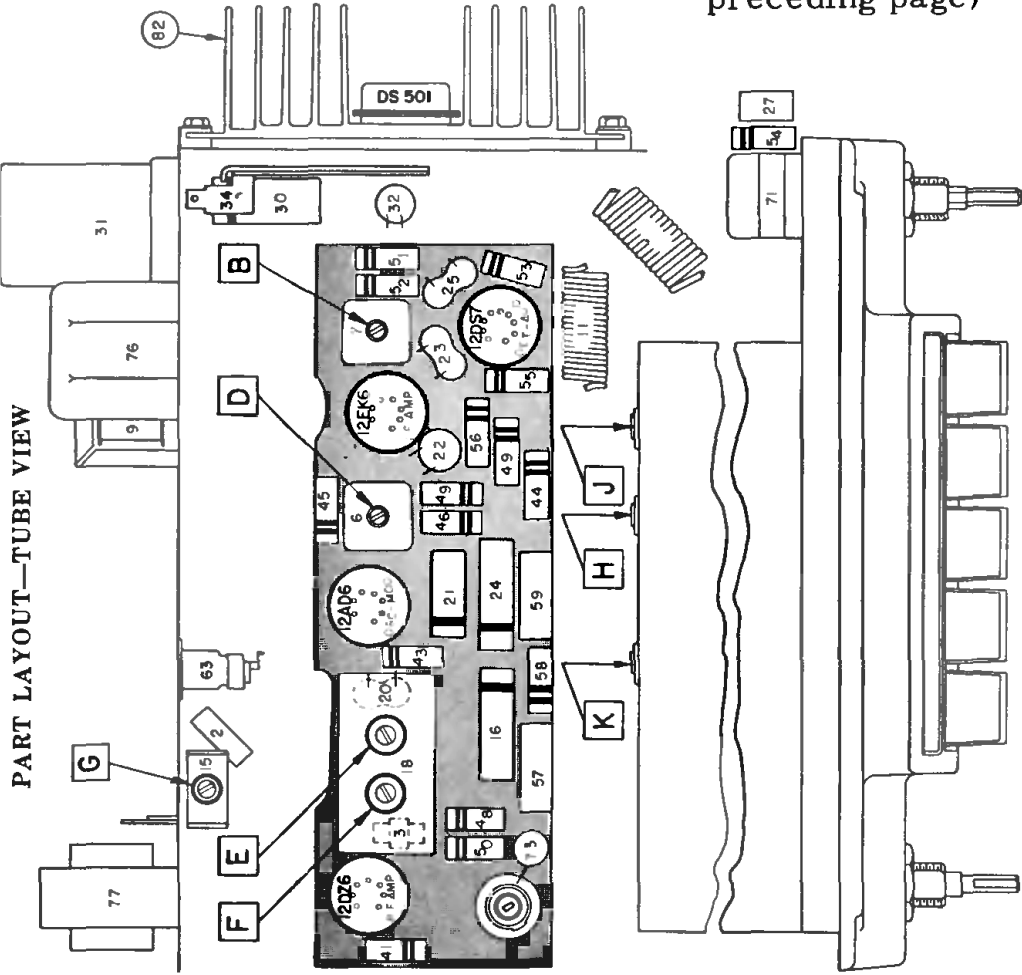


DS 501—Transistor Terminals

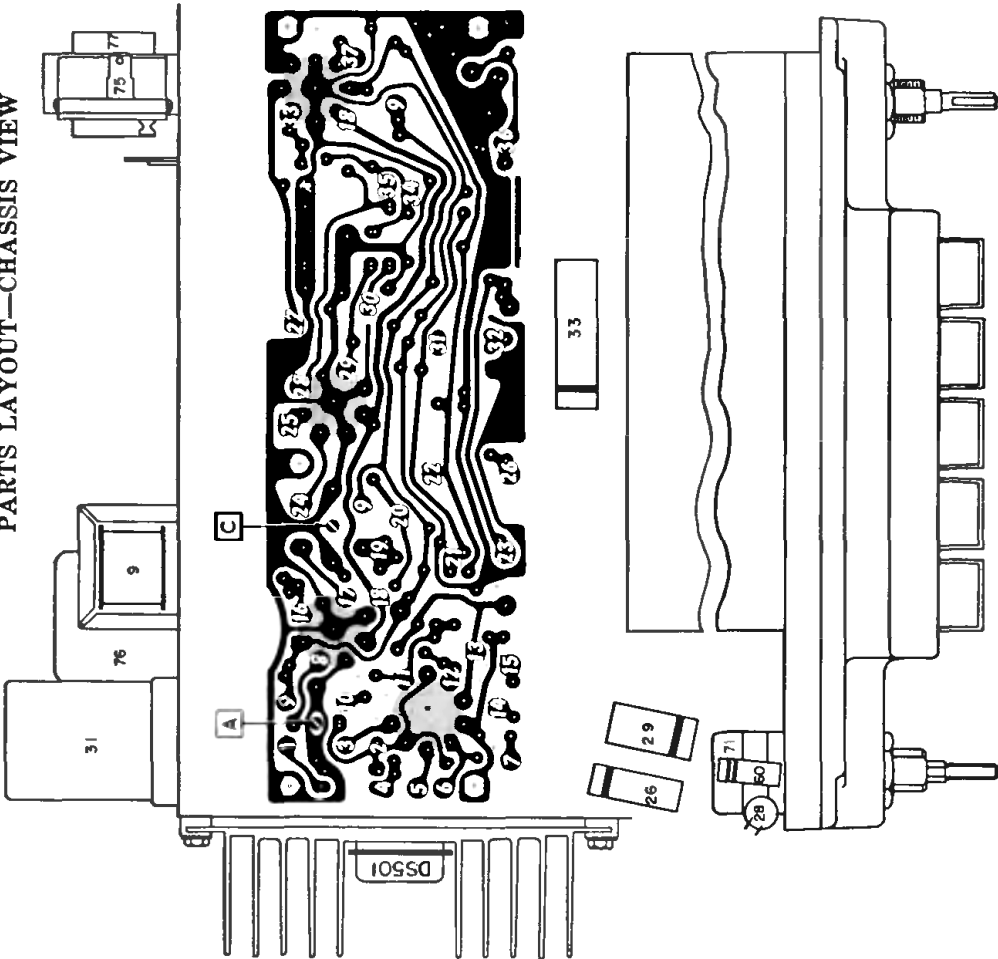


ESCUTCHEON CROSS SECTION

PART LAYOUT—TUBE VIEW



PARTS LAYOUT—CHASSIS VIEW



WHITE NUMBERS ON PRINTED CIRCUIT BOARD DRAWING CORRESPOND TO NUMBERS ENCIRCLED ON SCHEMATIC.

ALIGNMENT PROCEDURE

- Output Meter Connections.....Across Voice Coil
- Generator Return.....To Receiver Chassis
- Dummy Antenna.....In Series With Generator
- Volume Control Position.....Maximum Volume
- Tone Control Position.....Treble
- Generator Output..Minimum for Readable Indication

STEP	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.	12DA6 Grid (Pin #7)	262 KC	High Frequency Stop	A, B, D, C
2	.000082 Mfd.	Antenna Connector	1615 KC	High Frequency Stop	*E, F, G
3	.000082 Mfd.	Antenna Connector	600 KC	Signal Generator Signal	J, K
4	.000082 Mfd.	Antenna Connector	1615 KC	High Frequency Stop	F, G
5	.000082 Mfd.	Antenna Connector	900 KC	Signal Generator Signal	L**

\*Before making this adjustment check mechanical 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.) Core adjustment should be made with a non-metallic screwdriver.

\*\*L is the pointer adjustment screw which is on the connecting link, between the pointer assembly and the parallel guide bar. Is should be adjusted so that the dial pointer corresponds with the 900 KC mark on the dial.