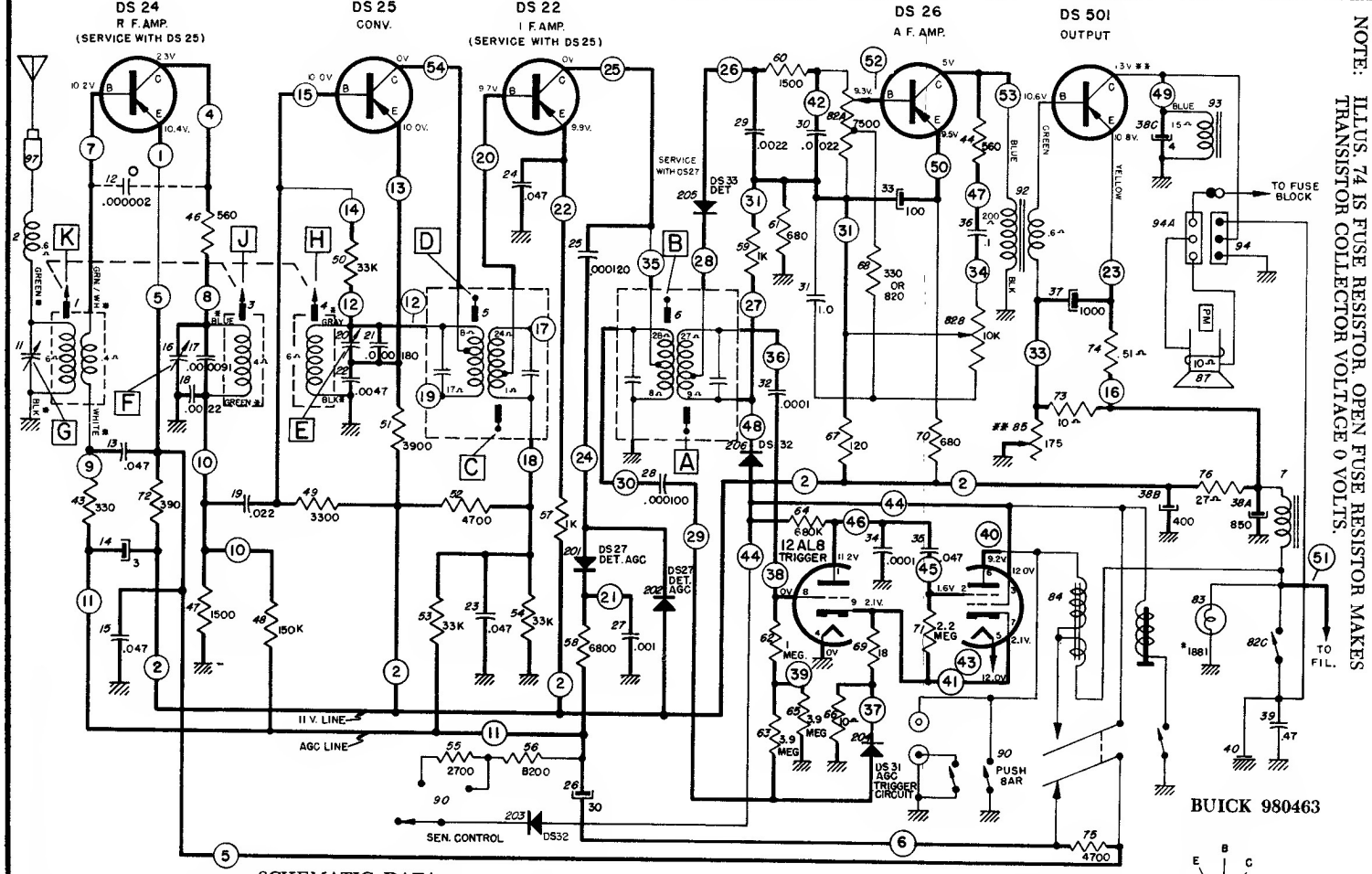
Delco Radio

IF RADIO IS POWERED BY BATTERY ELIMINATOR, USE 16 VOLTS FOR PROPER SOLENOID ACTION.

NOTE: ILLUS. 74 IS FUSE RESISTOR. OPEN FUSE RESISTOR MAKES TRANSISTOR COLLECTOR VOLTAGE 0 VOLTS.

BUICK Model 980463
CADILLAC Model 7282315
CORVETTE Model 985396
OLDSMOBILE Model 982137

(Continued on the next page adjacent at right)



SCHEMATIC DATA

Voltages measured terminal to chassis with a volt-ohm meter - no signal and 12 volts applied to the radio.

Total battery drain •1.9 amps at 12 volts.

Tolerance on voltages ± 10%.

* Indicates lead from Tuner Assembly.

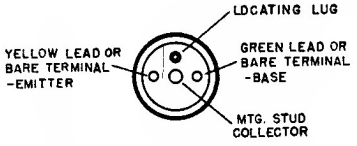
** Before measuring transistor voltage a 10 ohm speaker must be connected to the radio. If power transistor is replaced, adjust bias potentiometer (Ill. to #85) to obtain proper collector voltage with 12 volts applied to radio. Voltage should be measured from power transistor case to ground.

† Ill. #74 is a fuse resistor for the power transistor. Service with exact Delco service replacement.

O Printed on circuit board.

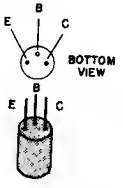
Trigger tube voltages are read with a VTVM and with the tuner seeking.

CAUTION: Only a 10 ohm speaker should be used on this radio.



DS-501 Transistor Terminals

Note: Mtg. Insulators #1221847 not packaged with DS-501.



DS-22—Transistor Terminals
DS-24
DS-25
DS-26

PRINTED CIRCUIT SHOWN IN HEAVY LINES

NUMBERS ON PRINTED CIRCUIT BOARD CORRESPOND WITH NUMBERS IN CIRCLES ON SCHEMATIC DIAGRAM.

DELCO

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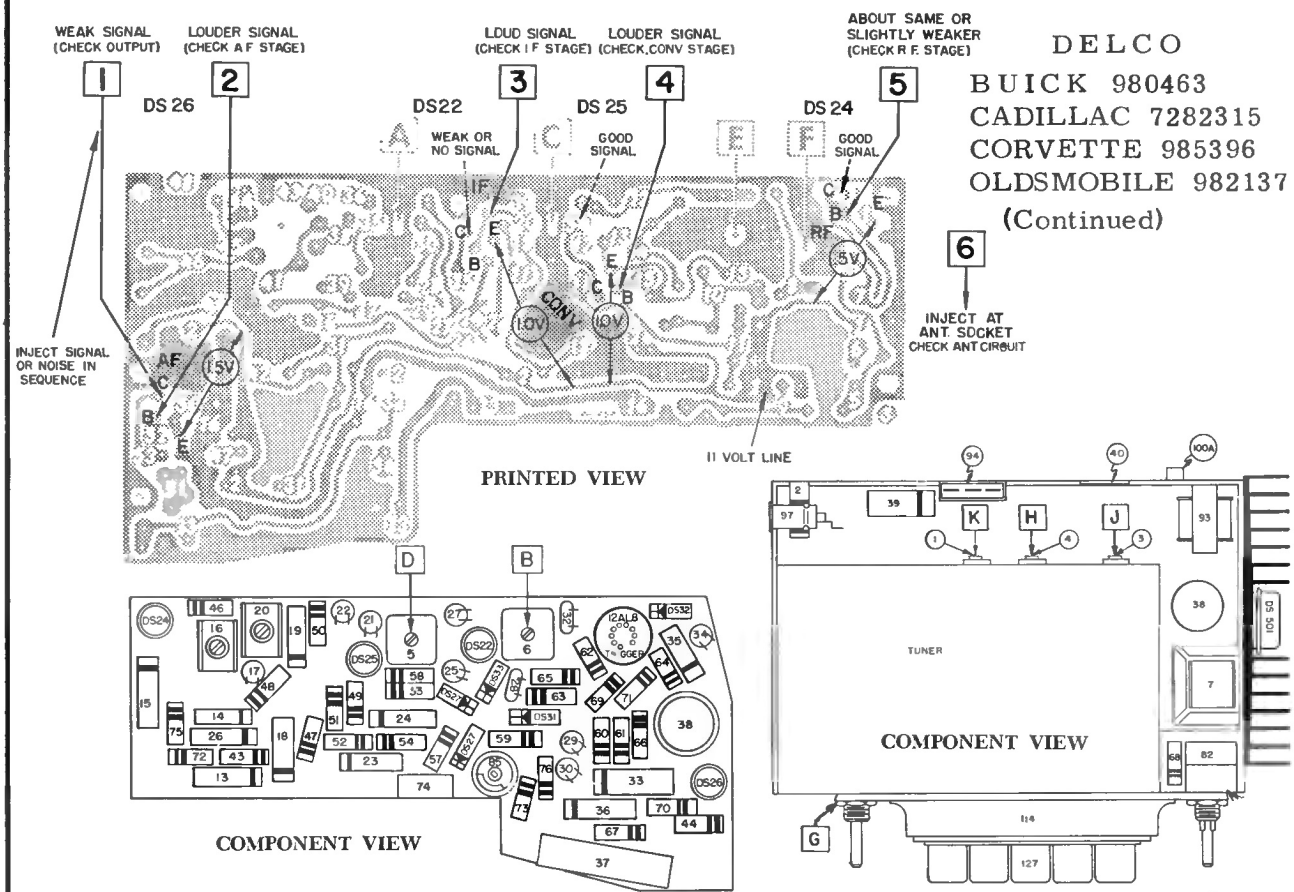
(Continued)



IMPORTANT: 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 KC and 1000 KC. (Prevents fading and station mixing). The antenna trimmer is located behind the dummy knob and can be adjusted from the front of the radio.

ALIGNMENT PROCEDURE

A. Connections
1. A. C. Voltmeter ..... Across speaker voice coil
2. Signal Generator ..... Connect capacitor (see chart below for value) in series with generator lead and connect to antenna terminal. Connect generator ground lead to chassis.

B. Preliminary Adjustments (in order)
1. Volume control ..... Maximum volume
2. Radio Tuning Pointer ..... Extreme right end of dial
3. Radio tuner cores ..... Rear of core 1⅝" from end of coil form. Adjustment is made using a plastic alignment tool marked 1⅝" from end.

C. Alignment Adjustments
1. Generator Output ..... Readable A.C. voltage (½ to 1 volt) across speaker voice coil
2. Proceed according to chart - - -

Step	Capacitor	Signal Generator Frequency	Tune Receiver to	Adjust in Sequence
a.	.1 mfd.	262 KC	Hi freq. stop	A, B, C, D
b.	82 mmfd.	1615 KC	Hi freq. stop	E, F, G
c.	82 mmfd.	600 KC	Sig. Gen. Freq.	J, K
d.	82 mmfd.	1615 KC	Sig. Gen. Freq.	F, G
e.	82 mmfd.	900 KC	Sig. Gen. Freq.	Pointer Adjustment

3. Pointer Adjustment ..... With incoming 900 KC signal, insert a screwdriver in the slot of the pointer calibration adjustment link (illustration #124) and twist until the pointer is in line with "9" on the radio dial.
4. Antenna Adjustment ..... See notice above