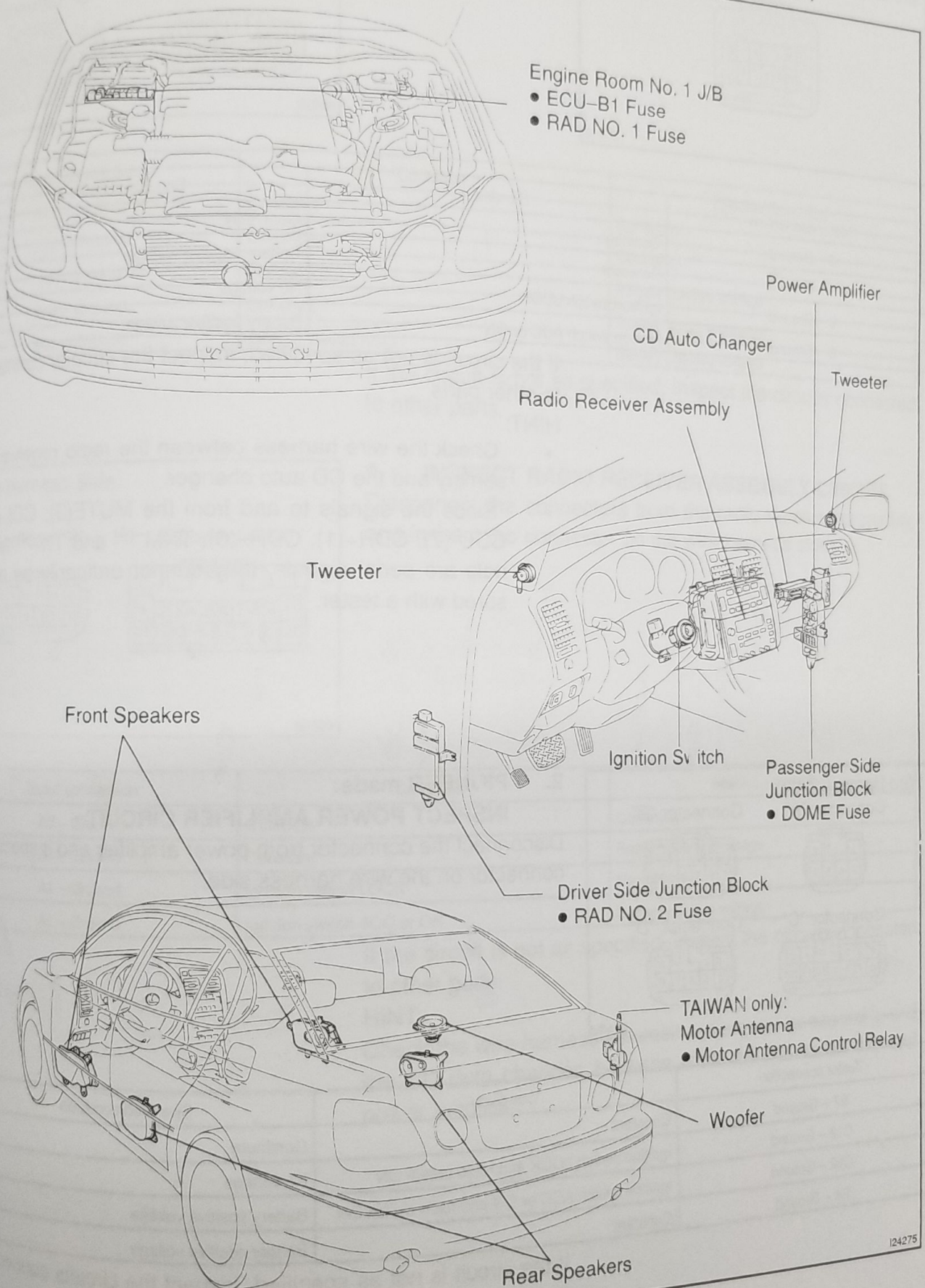
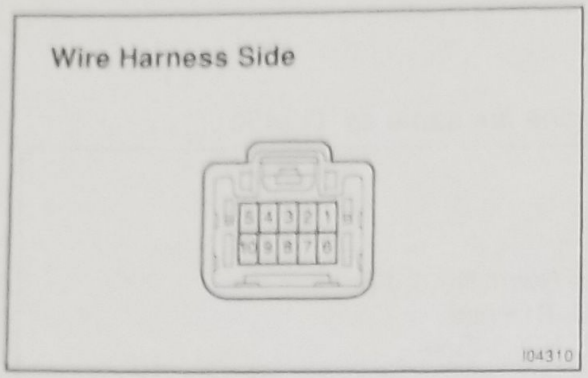
LOCATION

- The vehicle shown in this illustration is "GS430.
- All components of "GS300" other than the ones used for engine are same as "GS430".





INSPECTION

1. INSPECT CD AUTO CHANGER CIRCUIT

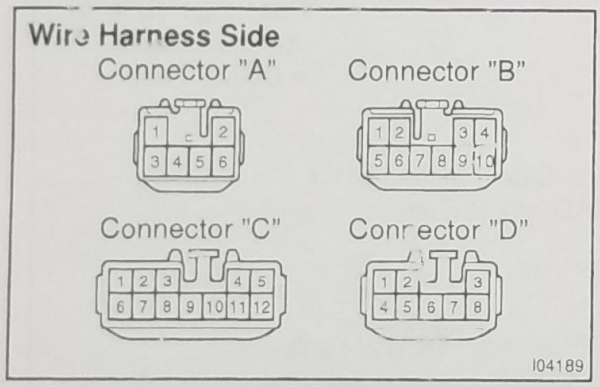
Disconnect connectors from CD auto changer and inspect the connector on the wire harness side.

Tester connection	Condition	Specified condition
8 – Ground	Constant	Continuity
1 – Ground	Constant	Battery positive voltage
6 – Ground	Ignition switch LOCK	No voltage
6 – Ground	Ignition switch ACC or ON	Battery positive voltage

If the circuit is not as specified, inspect the circuits connected to other parts.

HINT:

- Check the wire harness between the radio receiver assembly and the CD auto changer.
- Since the signals to and from the MUTE(3), CDL+(2), CDL–(7), CDR+(1), CDR–(6), $TXM^{-(9)}$ and $TX^{+(4)}$ terminals are serial signals, they cannot ordinarily be measured with a tester.

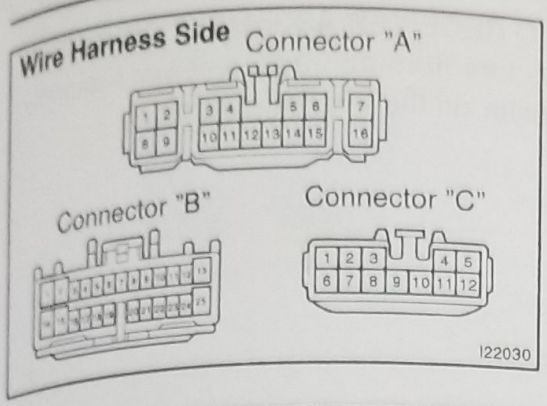


2. PIONEER made:
INSPECT POWER AMPLIFIER CIRCUIT

Disconnect the connector from power amplifier and inspect the connector on the wire harness side.

Tester connection	Condition	Specified condition
B7 – Ground	Constant	Continuity
C12 – Ground	Ignition switch LOCK and radio switch ON	No voltage
C12 – Ground	Ignition switch ACC or ON and radio switch ON	Battery positive voltage
B4 – Ground	Constant	Battery positive voltage

If the circuit is not as specified, inspect the circuits connected to other parts.

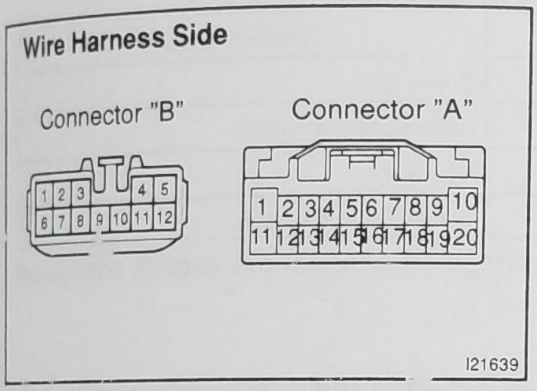


3. MARK LEVINSON made: INSPECT POWER AMPLIFIER CIRCUIT

Disconnect the connector from power amplifier and inspect the connector on the wire harness side.

Tester connection	Condition	Specified condition
A12 – Ground	Constant	Continuity
A13 – Ground	Constant	Continuity
A7 – Ground	Constant	Battery positive voltage
A16 – Ground	Constant	Battery positive voltage
B20 – Ground	Ignition switch ACC	Battery positive voltage

If the circuit is not as specified, inspect the circuits connected to other parts.



4. INSPECT RADIO RECEIVER ASSEMBLY CIRCUIT

Disconnect the connectors from the radio receiver assembly, and inspect the connector on the wire harness side.

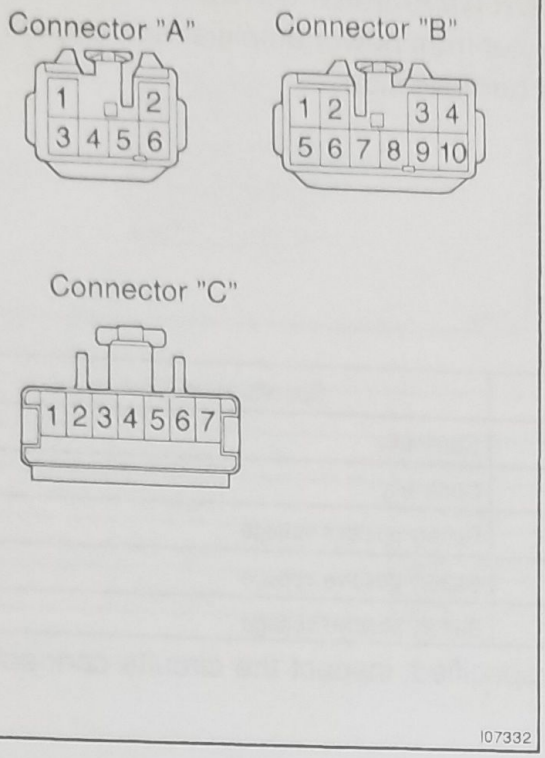
Tester connection	Condition	Specified condition
A2 – Ground	Constant	Continuity
A4 – Ground	Constant	Battery positive voltage
A1 – Ground	Ignition switch LOCK	No voltage
A1 – Ground	Ignition switch ACC or ON	Battery positive voltage

If the circuit is not as specified, inspect the circuits connected to other parts.

HINT:

Check the wire harness between radio receiver assembly and the CD auto changer, between radio receiver assembly and power amplifier.

Wire Harness Side



5. INSPECT RADIO RECEIVER ASSEMBLY CIRCUIT

Disconnect the connectors from the radio receiver assembly, and inspect the connector on the wire harness side.

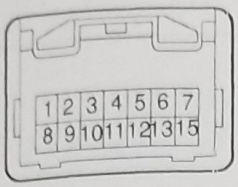
Tester connection	Condition	Specified condition
A2 – Ground	Constant	Continuity
A4 – Ground	Constant	Battery positive voltage
A1 – Ground	Ignition switch LOCK	No voltage
A1 – Ground	Ignition switch ACC or ON	Battery positive voltage

If the circuit is not as specified, inspect the circuits connected to other parts.

HINT:

Check the wire harness between radio receiver assembly and the CD auto changer, between radio receiver assembly and power amplifier

Wire Harness Side



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6. **INSPECT GATEWAY ECU CIRCUIT**

Disconnect the connectors from the gateway ECU, and inspect the connector on the wire harness side.

Tester connection	Condition	Specified condition
7 – Ground	Constant	Continuity
14 – Ground	Constant	Continuity
2 – Ground	Ignition switch ON	Battery positive voltage
8 – Ground	Constant	Battery positive voltage
9 – Ground	Ignition switch ACC	Battery positive voltage

If the circuit is not as specified, inspect the circuits connected to other parts.

HINT:

Check the wire harness between radio receiver assembly and the gateway ECU.