Open in CAN Main Wire

DESCRIPTION

There may be an open circuit in the CAN main wire and / or the DLC3 branch wire when the resistance between terminals 6 (CANH) and 14 (CANL) of the DLC3 is 69 Ω or more.

Symptom	Trouble Area	
Resistance between terminals 6 (CANH) and 14 (CANL) of DLC3 is 69 Ω or more.	 CAN main wire and connector No. 1 junction connector No. 2 junction connector No. 3 junction connector No. 4 junction connector ECM Combination meter ECU 	



WIRING DIAGRAM



INSPECTION PROCEDURE

NOTICE:

- Turn the ignition switch OFF before measuring the resistances of the main wire and the branch wire.
- After the ignition switch is turned OFF, check that the key reminder warning system and light reminder warning system are not in operation.
- Before measuring the resistance, leave the vehicle for at least 1 minute and do not operate the ignition switch, any switches or doors. If doors need to be opened in order to check connectors, open the doors and leave them open.

HINT:

Operating the ignition switch, any switches or any doors triggers related ECU and sensor communication with the CAN, which causes resistance variation.

1 CHECK DLC3



(a) Measure the resistance of the DLC3.

Standard resistance

Tester Connection	Condition	Specified Condition	Proceed to
E13-6 (CANH) - E13-14 (CANL)	Ignition switch OFF	108 to 132 Ω	A
E13-6 (CANH) - E13-14 (CANL)	Ignition switch OFF	132 Ω or more	В

NOTICE:

When the measured value is 132 Ω or more and a CAN communication system diagnostic trouble code is output, there may be a fault besides disconnection of the DLC3 branch wire. For that reason, troubleshooting should be performed again from "HOW TO PROCEED WITH TROUBLESHOOTING" (see page CA-8) after repairing the trouble area.

В

REPAIR OR REPLACE CAN BRANCH WIRE CONNECTED TO DLC3 (CANH, CANL)





ОК

REPLACE NO. 2 JUNCTION CONNECTOR





REPLACE NO. 1 JUNCTION CONNECTOR



(a) Reconnect the A36 No. 1 junction connector.









ОК



REPLACE COMBINATION METER ASSEMBLY (COMBINATION METER ECU)



(a) Reconnect the E69 No. 4 junction connector.

NEXT





REPLACE NO. 3 JUNCTION CONNECTOR

