

DTC	C1201/51	Engine Control System Malfunction
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DESCRIPTION

If trouble occurs the engine control system, the ECM transmits the abnormality to the skid control ECU. The skid control ECU set this DTC and the skid control ECU prohibits TRAC and VSC control.

DTC No.	DTC Detection Condition	Trouble Area
C1201/51	At the engine speed of 500 rpm, a trouble signal in the engine control system continues for 5 secs. or more.	Engine control system

1	CHECK DTC FOR ENGINE
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(a) Check if the normal code is recorded for EFI system.

Result

Result	Proceed to
Normal System Code	A
Trouble Code	B

B

**REPAIR ENGINE CONTROL SYSTEM
ACCORDING TO DTC OUTPUT**

A

REPLACE ECM

DTC	C1203/53	ECM Communication Circuit Malfunction
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DESCRIPTION

The circuit is used to send TRAC control information (engine revolution signal) from the skid control ECU to the ECM (TRC+, TRC-), and engine control information from the ECM to the skid control ECU (ENG+, ENG-).

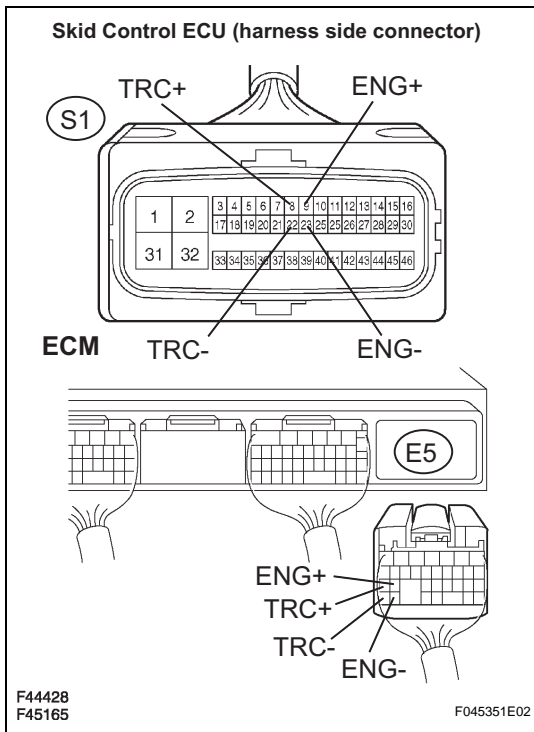
DTC No.	DTC Detection Condition	Trouble Area
C1203/53	When any of the following (1 to 3) is detected: 1. All the following conditions continue for at least 5 seconds. – IG1 terminal voltage is 9.5 V or more. – Cannot send data to ECM. 2. All the following conditions continue for at least 5 seconds. – IG1 terminal voltage is more than 9.5 V. – Engine speed is 500 rpm or more. – Cannot receive data from ECM. 3. All the following conditions repeat 10 times in a series. – Cannot send data to ECM. – Cannot receive data from ECM. – Both of the above occur at least once within 5 seconds.	<ul style="list-style-type: none"> • TRC+ or TRC- circuit • ENG+ or ENG- circuit • ECM

WIRING DIAGRAM



1	CHECK HARNESS AND CONNECTOR
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(a) Disconnect the skid control ECU connector and ECM connector.



(b) Measure the resistance according to the value(s) in the table below.

Resistance

Tester Connection	Specified Condition
S1-8 (TRC+) - E5-25 (TRC+)	Below 1 Ω
S1-22 (TRC-) - E5-31 (TRC-)	Below 1 Ω
S1-9 (ENG+) - E5-24 (ENG+)	Below 1 Ω
S1-23 (ENG-) - E5-30 (ENG-)	Below 1 Ω

(c) Measure the resistance according to the value(s) in the table below.

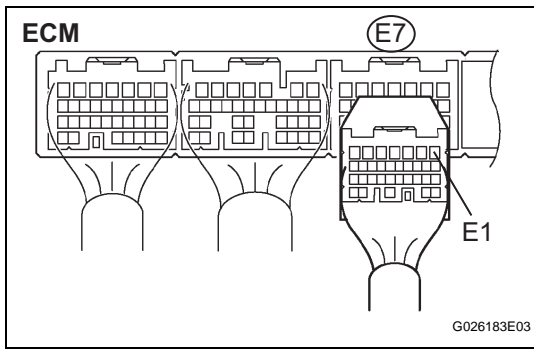
Resistance

Tester Connection	Specified Condition
S1-8 (TRC+) - Body ground	10 kΩ or higher
S1-22 (TRC-) - Body ground	10 kΩ or higher
S1-9 (ENG+) - Body ground	10 kΩ or higher
S1-23 (ENG-) - Body ground	10 kΩ or higher

NG REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

2 CHECK HARNESS AND CONNECTOR



(a) Disconnect the ECM connector.

(b) Measure the resistance according to the value(s) in the table below.

Resistance

Tester Connection	Specified Condition
E7-1 (E1) - Body ground	Below 1 Ω

NOTICE:

When replacing the ABS & TRACTION actuator assembly, perform zero point calibration (See page BC-5).

NG REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE ABS AND TRACTION ACTUATOR