

DTC	C1203 / 53	ECM Communication Circuit Malfunction
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CIRCUIT DESCRIPTION

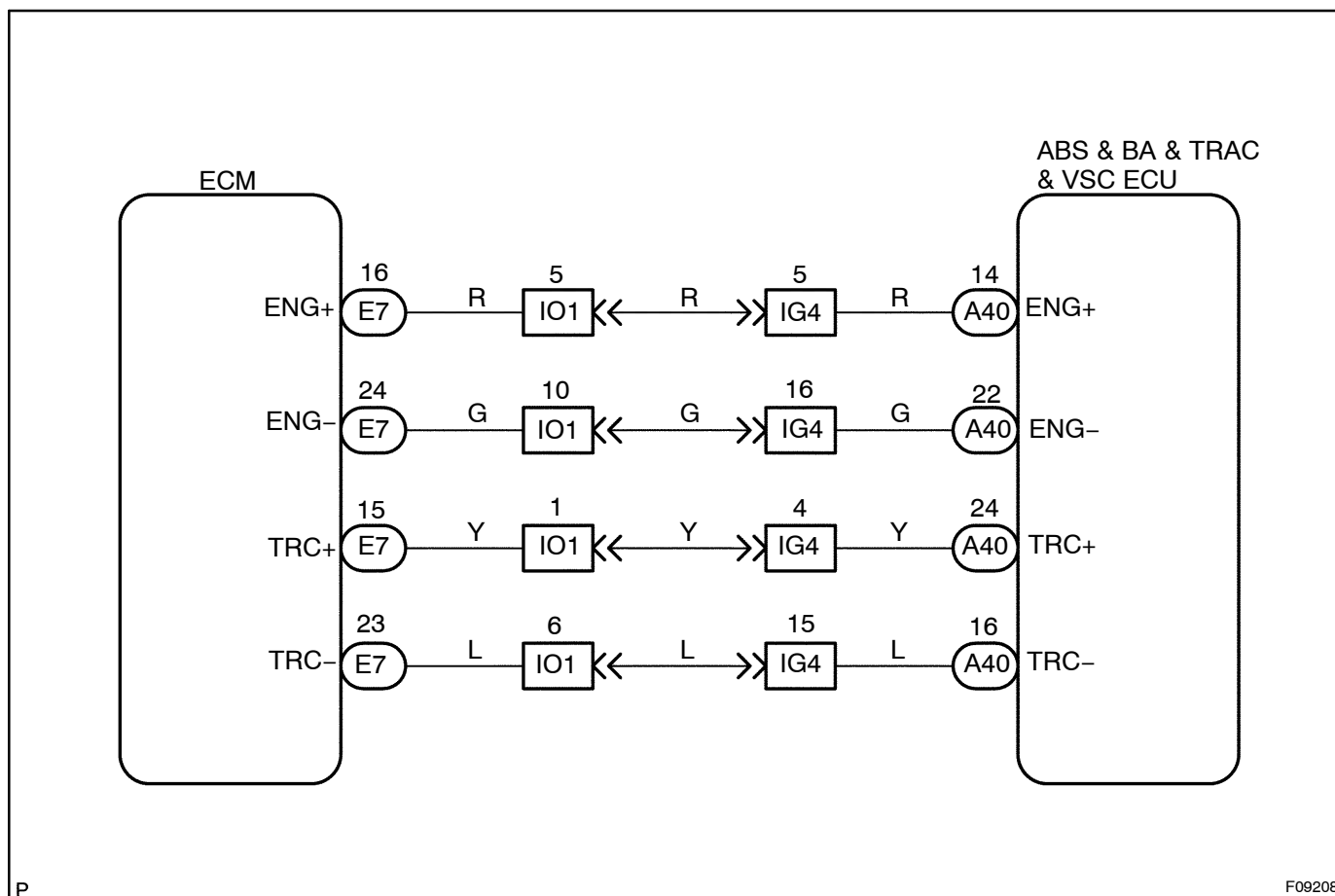
The circuit is used to send TRAC & VSC control information from the ABS & BA & TRAC & VSC ECU to the ECM (TRC+, TRC-), and engine control information from the ECM to the ABS & BA & TRAC & VSC ECU (ENG+, ENG-).

DTC No.	DTC Detecting Condition	Trouble Area
C1203 / 53	Either of the following 1. or 2. continues for 5 sec.: 1. ECU IG1 terminal voltage is 9.5 V to 17.0 V and data transmission to the ECM is impossible. 2. ECU IG1 terminal voltage is 9.5 V to 17.0 V, engine speed is 500 rpm or more or vehicle speed is 60 km/h (36 mph) or more and data receiving from the ECM is impossible.	• TRC+ or TRC- circuit • ENG+ or ENG- circuit • ECM

Fail safe function:

If trouble occurs in the ECM communication circuit, the ECU prohibits TRAC & VSC control.

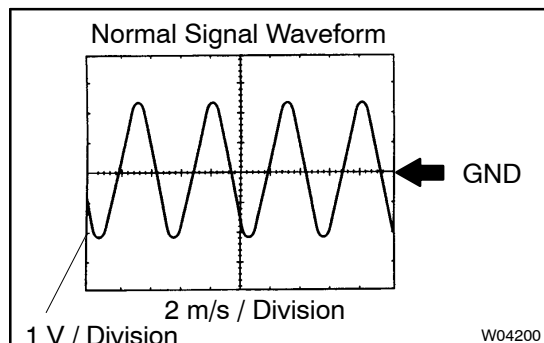
WIRING DIAGRAM



INSPECTION PROCEDURE

1	Check ABS & BA & TRAC & VSC ECU communication.
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(REFERENCE) INSPECTION USING OSCILLOSCOPE



PREPARATION:

- Remove the ABS & BA & TRAC & VSC ECU.
- Connect the oscilloscope to the each of terminals ENG+ or TRC+ and GND of the ABS & BA & TRAC & VSC ECU.

CHECK:

Start the engine, and check the signal waveform.

NG

Check and replace ABS & BA & TRAC & VSC ECU.

OK

2	Check for open and short circuit in harness and connector between each of terminals ENG+, ENG-, TRC+, TRC- of ABS & BA & TRAC & VSC ECU and ECM (See page IN-34).
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Repair or replace harness or connector.

OK

Check and replace ECM.