DI6X9–01

DTC	C1203 / 53	Engine and ECT ECU Communication Circuit Malfunction

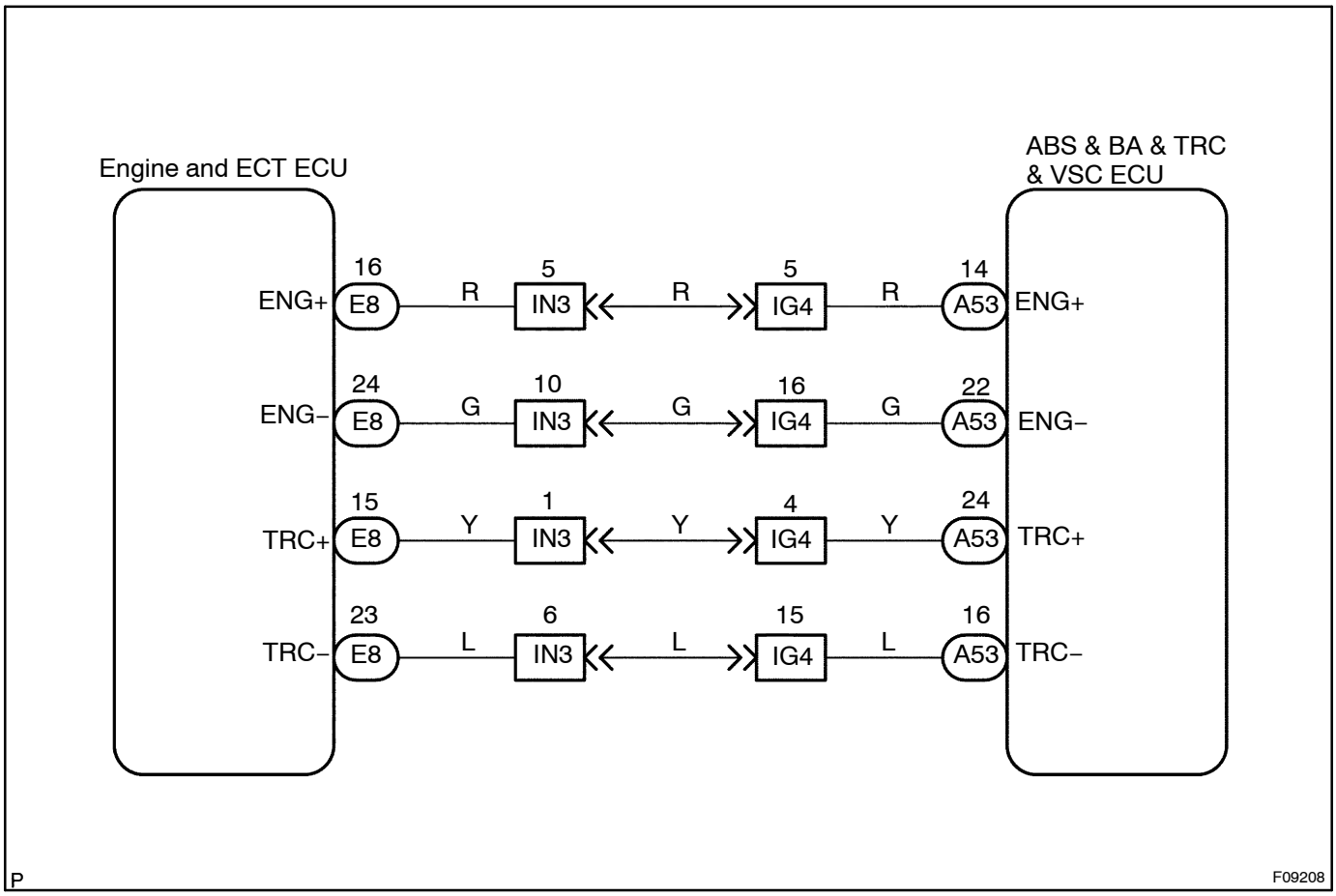
CIRCUIT DESCRIPTION

The circuit is used to send TRC & VSC control information from the ABS & BA & TRC & VSC ECU to the engine and ECT ECU (TRC+, TRC–), and engine control information from the engine and ECT ECU to the ABS & BA & TRC & 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 engine and ECT ECU 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 engine and ECT ECU is impossible.	• TRC+ or TRC– circuit • ENG+ or ENG– circuit • Engine and ECT ECU

Fail safe function:
If trouble occurs in the engine and ECT ECU communication circuit, the ECU prohibits TRC & VSC control.

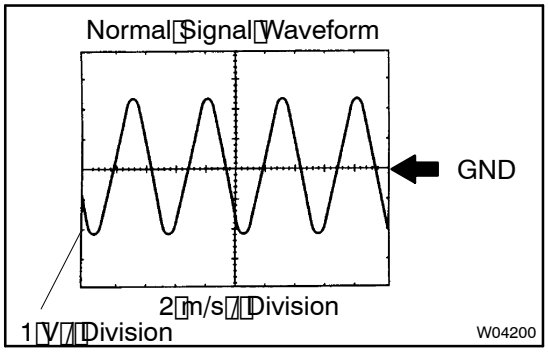
WIRING DIAGRAM



INSPECTION PROCEDURE

1	Check ABS & BA & TRC & VSC ECU communication.

(REFERENCE) INSPECTION USING OSCILLOSCOPE



PREPARATION:

(a) Remove the ABS & BA & TRC & VSC ECU.

(b) Connect the oscilloscope to the each of terminals ENG+ or TRC+ and GND of the ABS & BA & TRC & VSC ECU.

CHECK:

Start the engine, and check the signal waveform.

NG → Check and replace ABS & BA & TRC & 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 & TRC & VSC ECU and engine and ECT ECU (See page IN–35).

NG → Repair or replace harness or connector.

OK

Check and replace engine and ECT ECU.