| DTC | C 1203 / 53 | Engine and ECT ECU Communication Circuit Malfunction |
|---|---|---|

## CIRCUIT DESCRIPTION

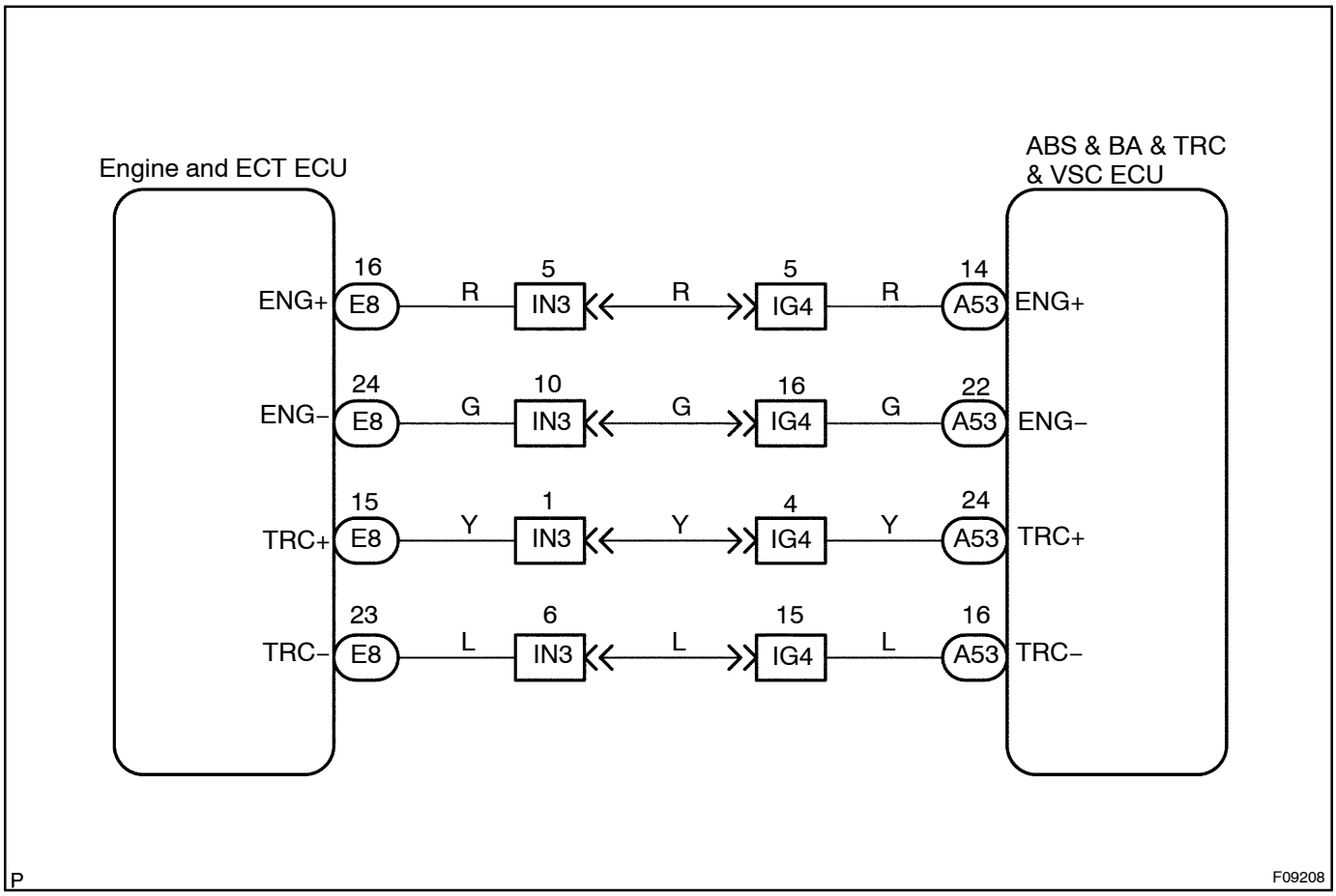
The circuit is used to send TRC & VSC control information from the ABS & BA & TRC & VSC ECU to the engine and ECT ECU (TRC+, TRC –), and engine control information from the engine and ECT ECU to the ABS & BA & TRC & VSC ECU (ENG+, ENG –).

| DTC No. | DTC Detecting Condition | Trouble Area |
|---|---|---|
| C1203 / 53 | Either of the following 1. or 2. continues for 5 sec.:<br>1. ECU IG 1 terminal voltage is 9.5 V to 17.0 V and data transmission to the engine and ECT ECU is impossible.<br>2. ECU IG 1 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<br>• ENG+ or ENG – circuit<br>• Engine and ECT ECU |

Fail safe function:

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

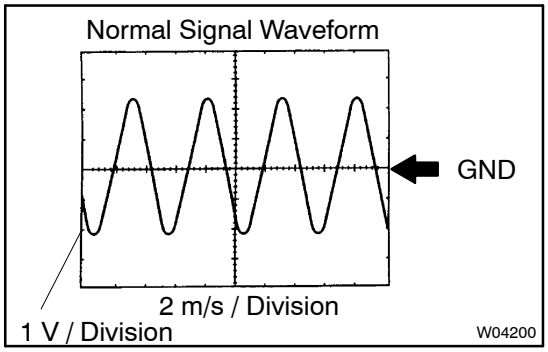
## WIRING DIAGRAM



## 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.**