

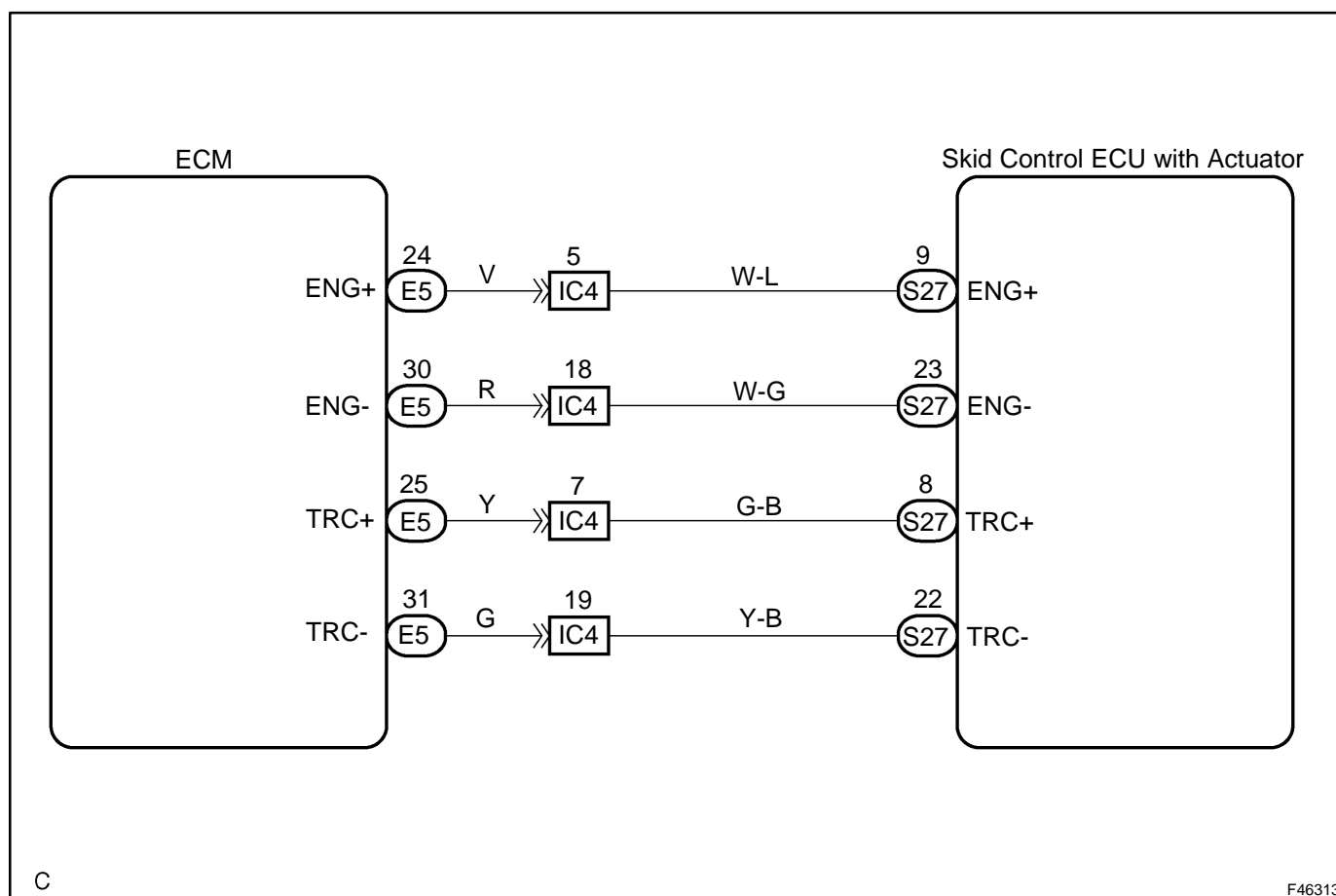
DTC	C1203/53	ECM COMMUNICATION CIRCUIT MALFUNCTION
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CIRCUIT DESCRIPTION

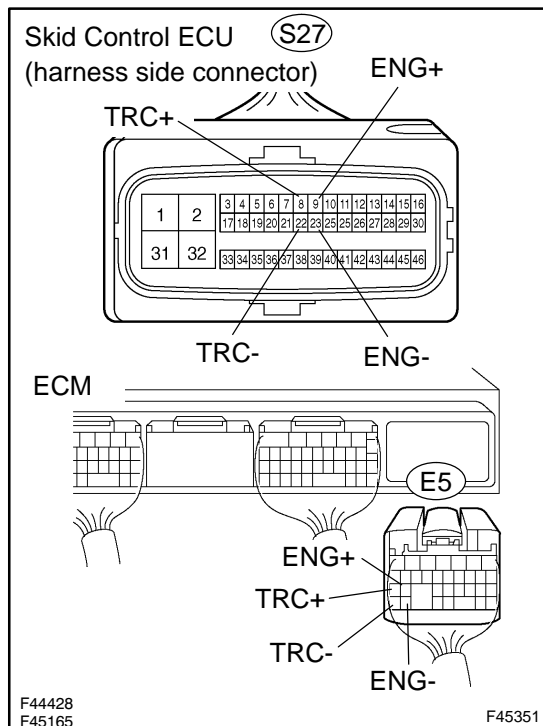
The circuit is used to send TRAC & VSC control information from the skid control ECU to the ECM (TRC+, TRC-), and engine control information from the ECM to the skid control ECU (ENG+, ENG-).

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

WIRING DIAGRAM



INSPECTION PROCEDURE

1 CHECK HARNESS AND CONNECTOR(ECM - SKID CONTROL ECU)

- Disconnect the skid control ECU connector and ECM connector.
- Measure the resistance according to the value(s) in the table below.

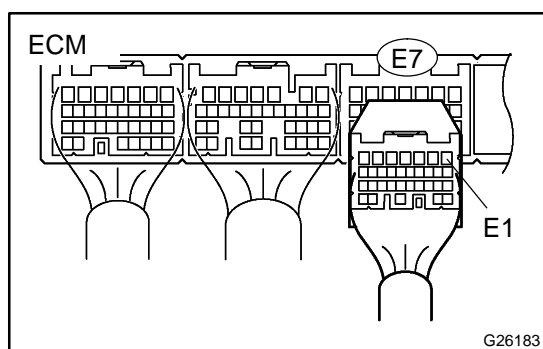
Standard:

Tester Connection	Specified Condition
S27-8 (TRC+) - E5-25 (TRC+)	Below 1 Ω
S27-22 (TRC-) - E5-31 (TRC-)	Below 1 Ω
S27-9 (ENG+) - E5-24 (ENG+)	Below 1 Ω
S27-23 (ENG-) - E5-30 (ENG-)	Below 1 Ω

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

Standard:

Tester Connection	Specified Condition
S27-8 (TRC+) - Body ground	10 k Ω or higher
S27-22 (TRC-) - Body ground	10 k Ω or higher
S27-9 (ENG+) - Body ground	10 k Ω or higher
S27-23 (ENG-) - Body ground	10 k Ω or higher

NG**REPAIR OR REPLACE HARNESS OR CONNECTOR****OK****2 CHECK HARNESS AND CONNECTOR(E1 OF ECM - BODY GROUND)**

- Disconnect the ECM connector.
- Measure the resistance according to the value(s) in the table below.

Standard:

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

NG**REPAIR OR REPLACE HARNESS OR CONNECTOR****OK****REPLACE ABS & TRACTION ACTUATOR ASSY (SEE PAGE 32-37)**