

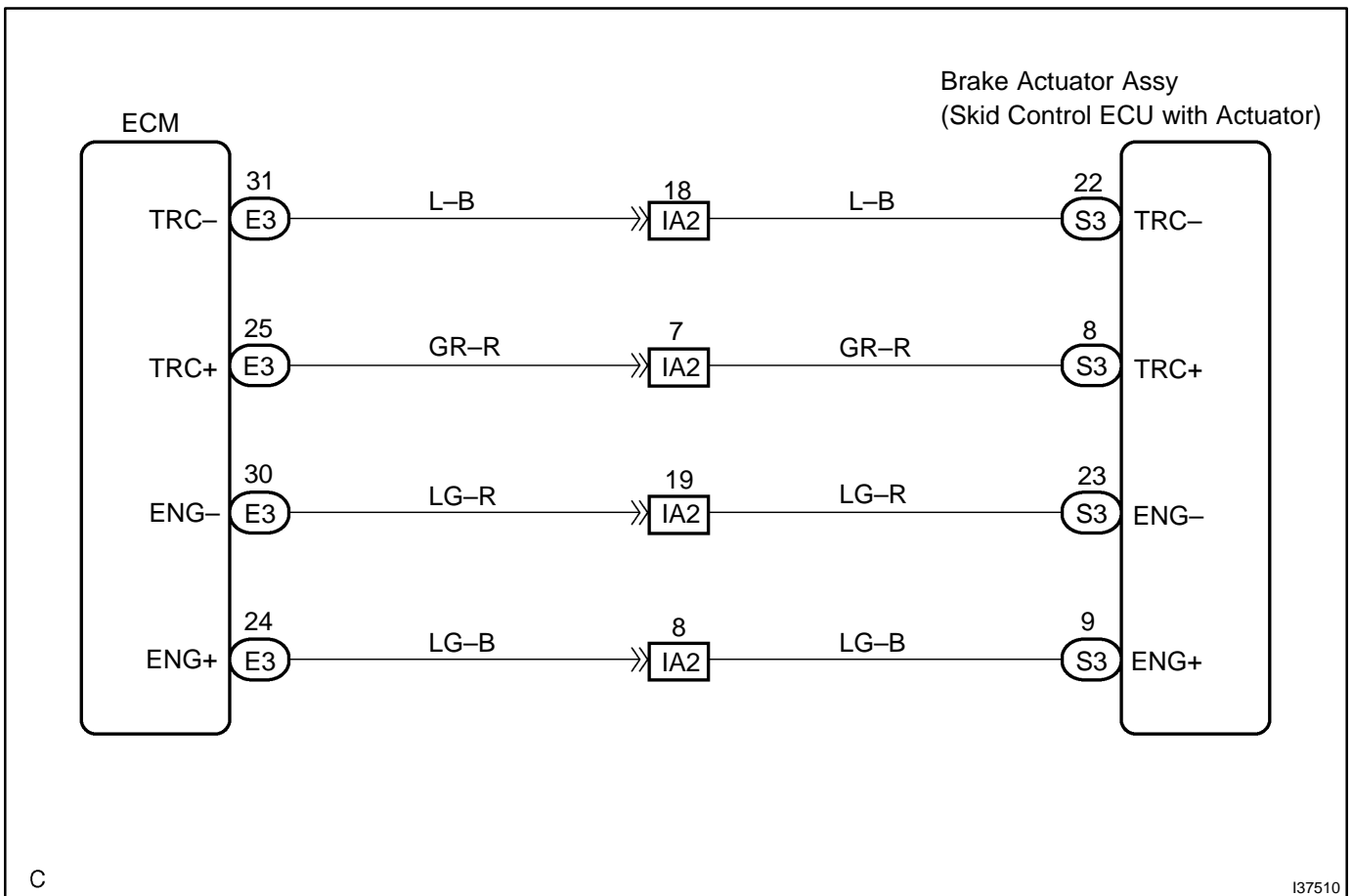
| | | |
|------------|-----------------|--|
| DTC | C1203/53 | ECM COMMUNICATION CIRCUIT MALFUNCTION |
|------------|-----------------|--|

CIRCUIT DESCRIPTION

This 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-).

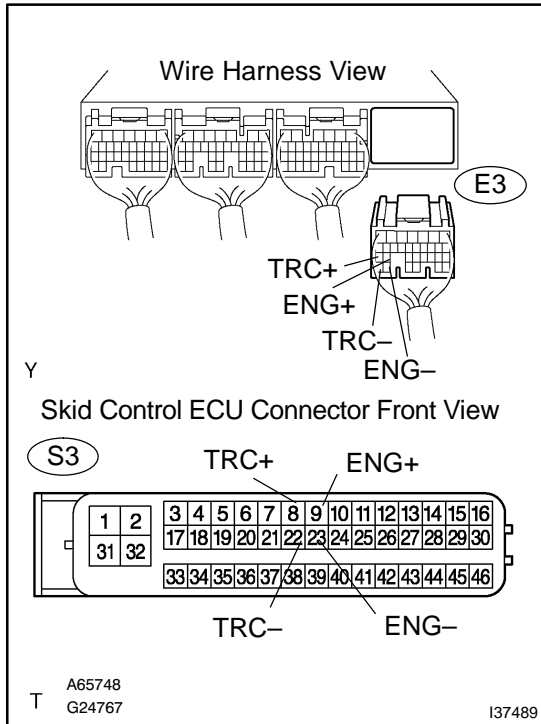
| DTC No. | DTC Detecting Condition | Trouble Area |
|------------|--|---|
| C1203 / 53 | <ul style="list-style-type: none"> • When IG1 terminal voltage is 9.5 V or more, the condition that the data is not transmitted to ECM continues for more than 5 sec. • When ECU IG1 terminal voltage is 9.5 V or more and the engine speed is 500 rpm or more, data reception from the ECM is impossible for 5 sec. or more. • The condition that data transmission and reception to/from ECM is impossible once or more within 5 sec. repeatedly occurs. • When the data about engine, drive system, and user country from ECM are not match up to skid control ECU. | <ul style="list-style-type: none"> • TRC+ or TRC- circuit • ENG+ or ENG- circuit • ECM |

WIRING DIAGRAM



INSPECTION PROCEDURE

1 CHECK HARNESS AND CONNECTOR(ENG+, ENG-, TRC+, TRC- OF ECM AND SKID CONTROL ECU)



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

Standard:

| Tester Connection | Specified Condition |
|-----------------------------|---------------------|
| TRC+ (E3-25) - TRC+ (S3-8) | 1 Ω or less |
| ENG+ (E3-24) - ENG+ (S3-9) | |
| TRC- (E3-31) - TRC- (S3-22) | |
| ENG- (E3-30) - ENG- (S3-23) | |

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

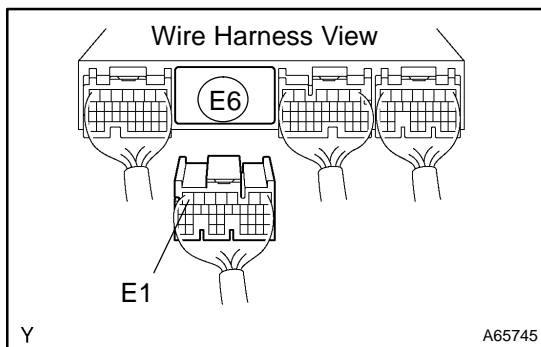
Standard:

| Tester Connection | Specified Condition |
|----------------------------|---------------------|
| TRC+ (E3-25) - Body ground | 10 kΩ or higher |
| ENG+ (E3-24) - Body ground | |
| TRC- (E3-31) - Body ground | |
| ENG- (E3-30) - Body ground | |

NG REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

2 CHECK HARNESS AND CONNECTOR(E1 OF ECM AND BODY GROUND)



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

Standard:

| Tester Connection | Specified Condition |
|-------------------------|---------------------|
| E1 (E6-7) - Body ground | 1 Ω or less |

NG REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE ECM