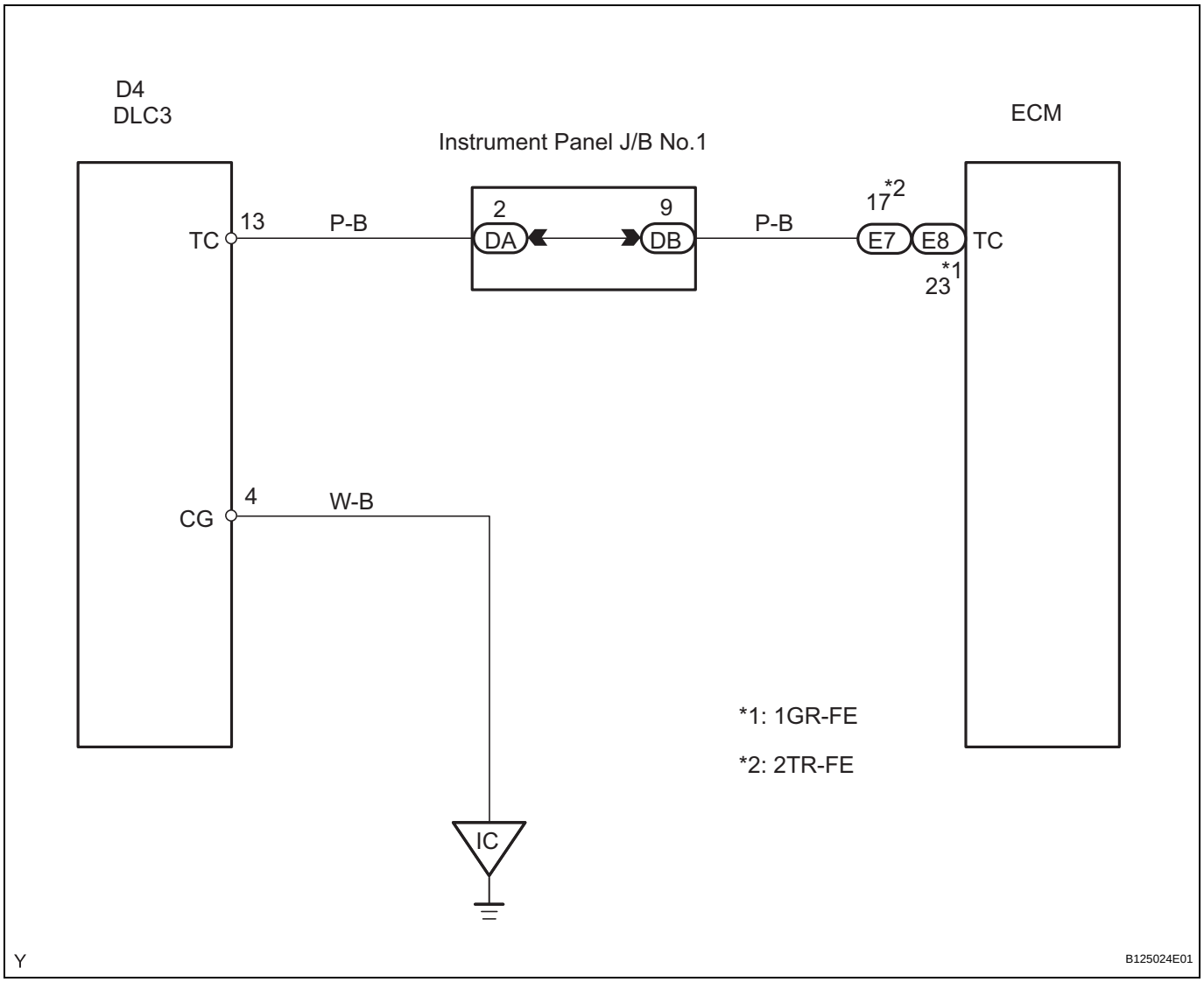
TC and CG Terminal Circuit

DESCRIPTION

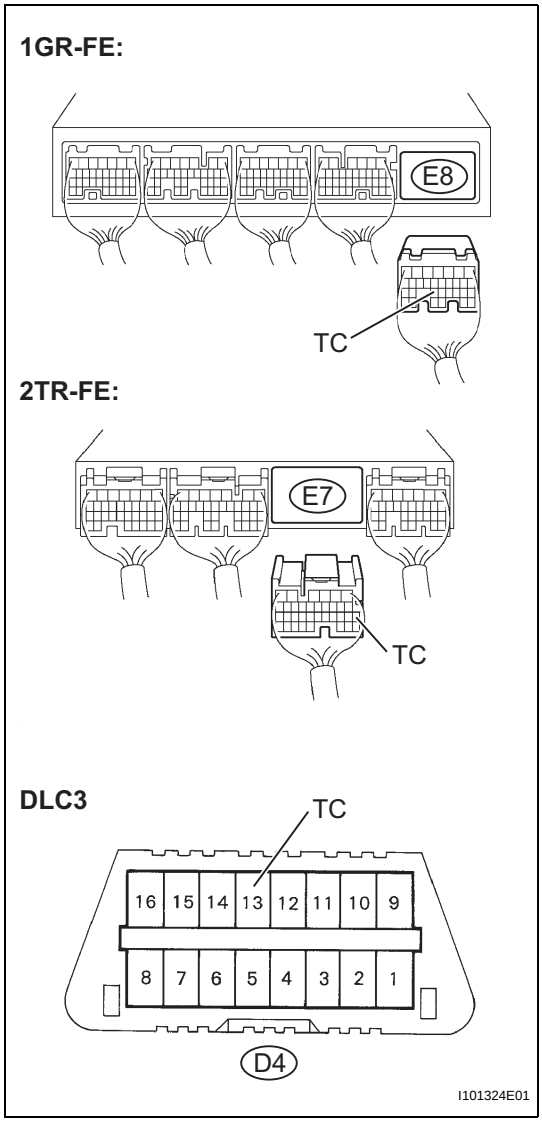
The DLC3 circuit enables reading of Diagnostic Trouble Codes (DTCs) with no intelligent testers by connecting terminals TC and CG of the DLC3 connector.
Stored DTCs are displayed in blinking patterns of the CRUISE MAIN indicator light located on the combination meter.

WIRING DIAGRAM



HINT:
When a particular warning light blinks continuously, a ground short in the wiring of terminal TC of the DLC3 or an internal ground short in the relevant ECU is suspected.

1 CHECK HARNESS AND CONNECTOR (TC of DLC3 - ECM)



(a) Turn the ignition switch off.
(b) 1GR-FE:
Disconnect the E8 connector of the ECM.
(c) 2TR-FE:
Disconnect the E7 connector of the ECM.
(d) Measure the resistance according to the value(s) in the table below.

Standard Resistance (1GR-FE)

Tester connection	Condition	Specification
TC (D4-13) - TC (E8-23)	Always	Below 1 Ω

Standard Resistance (2TR-FE)

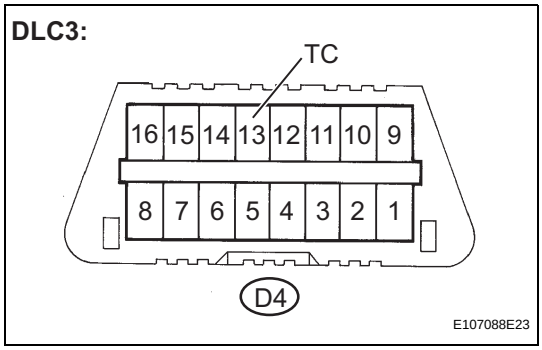
Tester connection	Condition	Specification
TC (D4-13) - TC (E7-17)	Always	Below 1 Ω

(e) Reconnect the ECM connector.

NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR (TC of DLC3 - ECM)**

OK

2 CHECK HARNESS AND CONNECTOR (TC of DLC3 - BODY GROUND)



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

Standard Resistance

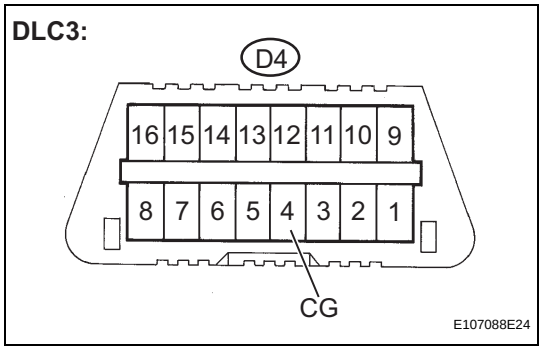
Tester connection	Condition	Specification
TC (D4-13) - Body ground	Always	10 kΩ or higher

NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR (TC CIRCUIT)**

OK

CC

3	CHECK HARNESS AND CONNECTOR (CG of DLC3 - BODY GROUND)



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

Standard Resistance

Tester connection	Condition	Specification
CG (D4-4) - Body ground	Always	Below 1 Ω

NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR (CG of DLC3 - BODY GROUND)**

OK

REPLACE ECM