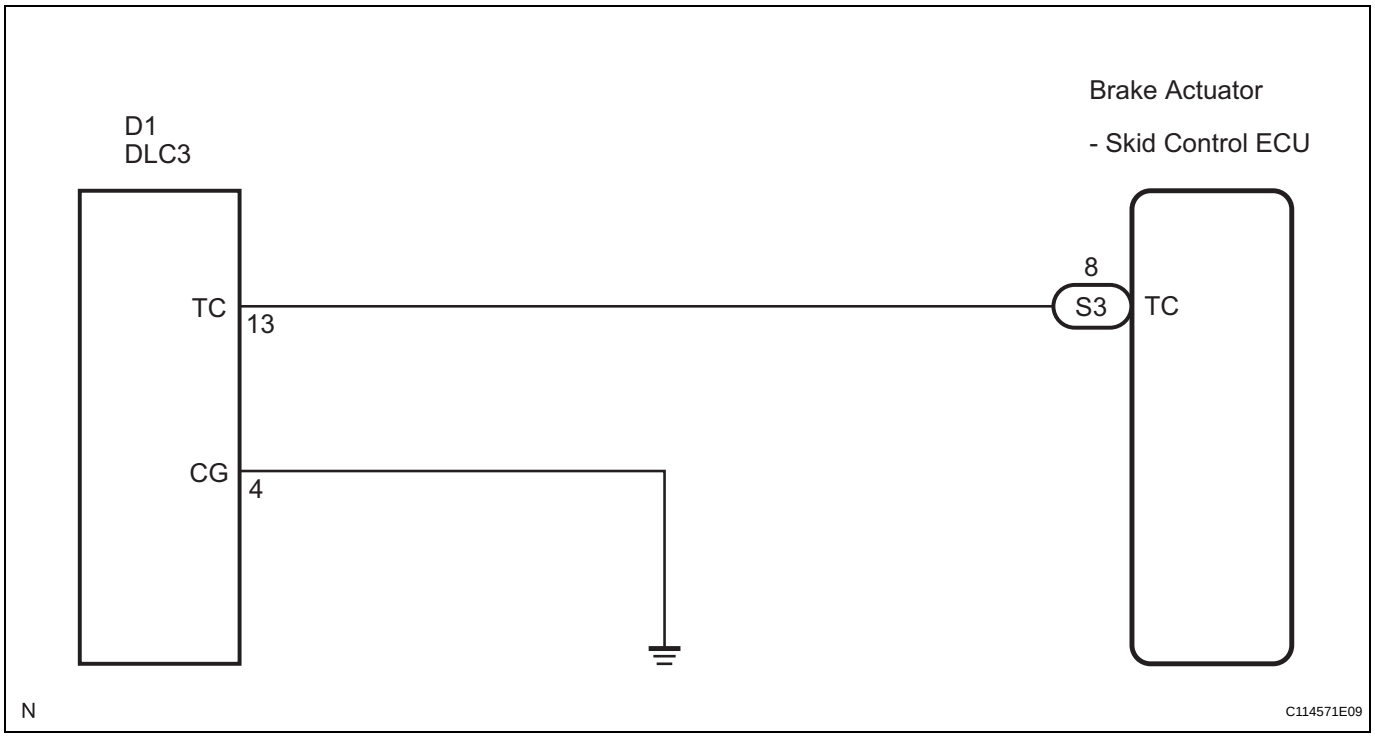
TC and CG Terminal Circuit

DESCRIPTION

DTC output mode is set by connecting terminals TC and CG of the DLC3.
The DTCs are displayed by the blinking pattern of the ABS warning light.

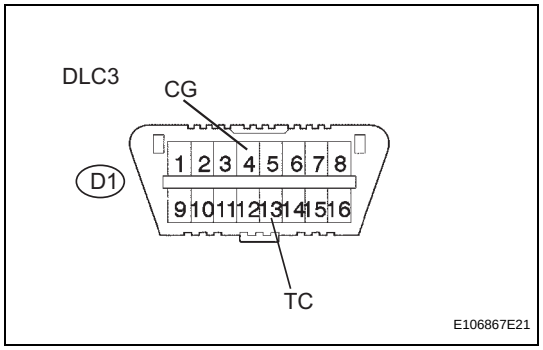
WIRING DIAGRAM



HINT:
When warning lights continue to blink, a ground short in the wiring of terminal TC of the DLC3 or an internal ground short in one or more ECU is suspected.

INSPECTION PROCEDURE

1	INSPECT DLC3 (BETWEEN TC of DLC3 AND CG of DLC3)



(a) Turn the ignition switch to the ON position.
(b) Measure the voltage according to the value(s) in the table below.

Standard voltage

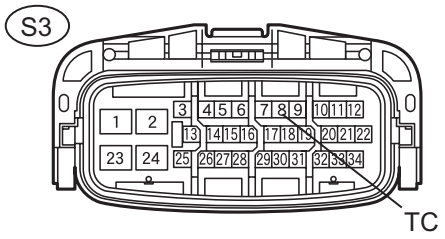
Tester Connection	Specified Condition
D1-13 (TC) - D1-4 (CG)	10 to 14 V

NG → **Go to step 3**

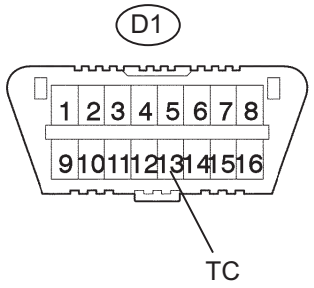
OK

2	CHECK HARNESS AND CONNECTOR (BETWEEN SKID CONTROL ECU AND TC of DLC3)

Skid Control ECU
(Harness Side Connector Front View):



DLC3:



C

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(a) Turn the ignition switch off.
(b) Disconnect the skid control ECU connector.
(c) Measure the resistance according to the value(s) in the table below.

Standard resistance

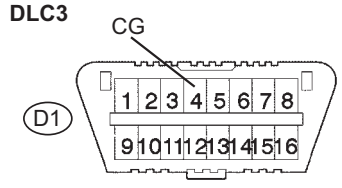
Tester Connection	Specified Condition
S3-8 (TC) - D1-13 (TC)	Below 1 Ω
S3-8 (TC) - Body ground	10 kΩ or higher

NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

REPLACE BRAKE ACTUATOR ASSEMBLY

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



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(a) Turn the ignition switch off.
(b) Measure the resistance according to the value(s) in the table below.

Standard resistance

Tester Connection	Specified Condition
D1-4 (CG) - Body ground	Below 1 Ω

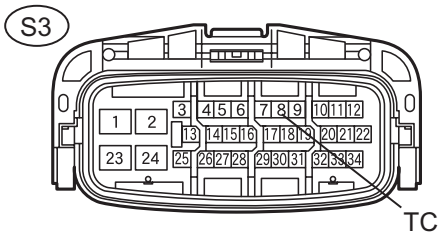
NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

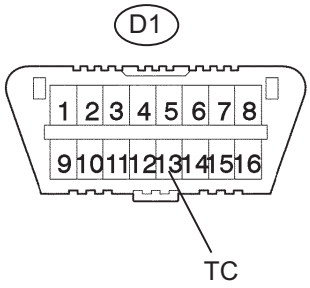
BC

4	CHECK HARNESS AND CONNECTOR (BETWEEN SKID CONTROL ECU AND TC of DLC3)

Skid Control ECU
(Harness Side Connector Front View):



DLC3:



C

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

Standard resistance

Tester Connection	Specified Condition
S3-8 (TC) - D1-13 (TC)	Below 1 Ω
S3-8 (TC) - Body ground	10 kΩ or higher

NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

REPLACE BRAKE ACTUATOR ASSEMBLY