

INSPECTION PROCEDURE**NOTICE:**

When replacing the master cylinder solenoid, perform zero point calibration (See page [BC-20](#)).

1 INSPECT BATTERY

- (a) Check the battery voltage.

Standard voltage:

11 to 14 V

NG 

INSPECT CHARGING SYSTEM

OK 

2 INSPECT ECU-IG FUSE

- (a) Remove the ECU-IG fuse from the driver side J/B.

- (b) Check the ECU-IG fuse.

Standard resistance:

Below 1 Ω

NG 

REPLACE ECU-IG FUSE

BC

OK 

3 READ VALUE OF INTELLIGENT TESTER (IG1 POWER SUPPLY)

- (a) Install the ECU-IG fuse.
 (b) Connect the intelligent tester to the DLC3.
 (c) Turn the ignition switch to the ON position and push the intelligent tester main switch ON.
 (d) Start the engine.
 (e) Select "DATA LIST" mode on the intelligent tester.

Item	Measurement Item / Range (Display)	Normal Condition	Diagnostic Note
IG VOLTAGE	ECU-IG power supply voltage / TOO LOW / NORMAL / TOO HIGH	TOO LOW: 9.5 V or less NORMAL: 9.5 V or 14.0 V TOO HIGH: 14.0 V or more	-

- (f) Measure the voltage output from the ECU displayed on the intelligent tester.

OK:

"Normal" is displayed.

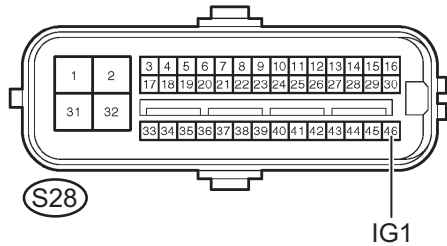
NG 

REPAIR OR REPLACE HARNESS OR CONNECTOR (IG1 CIRCUIT)

OK 

4 INSPECT SKID CONTROL ECU (IG1 TERMINAL)

Skid Control ECU Harness Side Connector Front View:



C121700E79

- (a) Install the ECU-IG fuse.
- (b) Disconnect the skid control ECU connector.
- (c) Turn the ignition switch to the ON position.
- (d) Measure the voltage according to the value(s) in the table below.

Standard voltage

Tester Connection	Specified Condition
S28-46 (IG1) - Body ground	10 to 14 V

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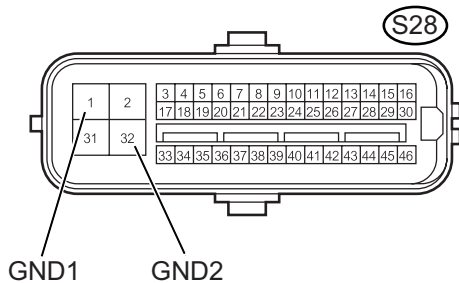
REPAIR OR REPLACE HARNESS OR CONNECTOR (IG1 CIRCUIT)

OK

5 INSPECT SKID CONTROL ECU (GND TERMINAL)

BC

Skid Control ECU Harness Side Connector Front View:



C124799E13

- (a) Disconnect the skid control ECU (S29) connector.
- (b) Measure the resistance according to the value(s) in the table below.

Standard resistance

Tester Connection	Specified Condition
S28-1 (GND1) - Body ground	Below 1 Ω
S28-32 (GND2) - Body ground	Below 1 Ω
S29-4 (GND3) - Body ground	Below 1 Ω

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REPAIR OR REPLACE HARNESS OR CONNECTOR (GND CIRCUIT)

OK

6 RECONFIRM DTC

- (a) Clear the DTCs (See page BC-39).
- (b) Check if the same DTC is detected (See page BC-39).

HINT:

Reinstall the sensors, connectors, etc. and restore the previous vehicle conditions before rechecking for DTCs.

Result

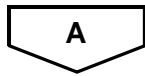
Condition	Proceed to
DTC is output	A
DTC is not output (When troubleshooting in accordance with the DTC CHART)	B
DTC is not output (When troubleshooting in accordance with the PROBLEM SYMPTOMS TABLE)	C



END



PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE



REPLACE MASTER CYLINDER SOLENOID