

DTC	C0278/11	Open or Short Circuit in ABS Solenoid Relay Circuit
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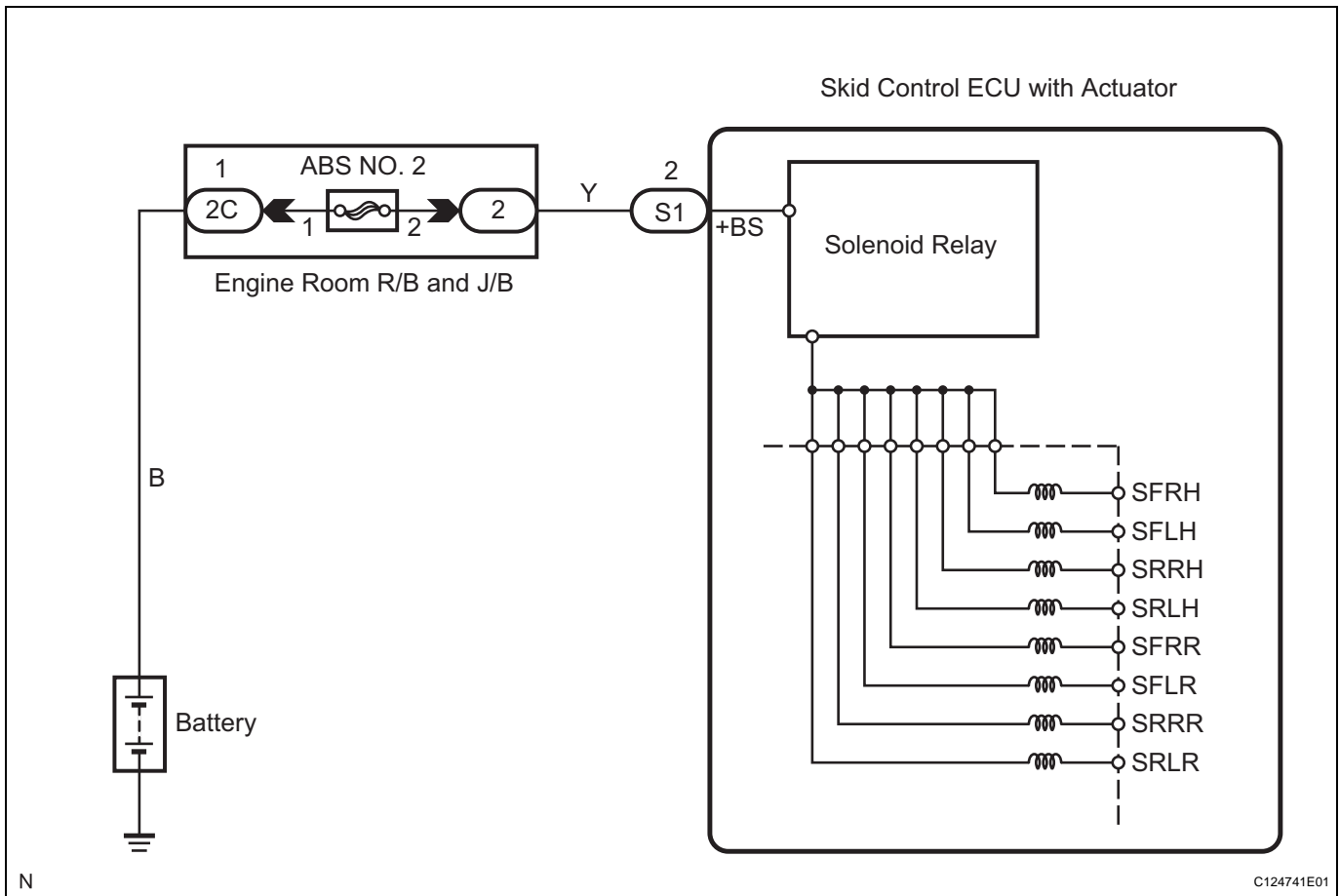
DTC	C0279/12	Short to B+ in ABS Solenoid Relay Circuit
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DESCRIPTION

This relay supplies power to each ABS solenoid. After the ignition switch is turned ON, if the results of initial check are normal, the relay goes on.

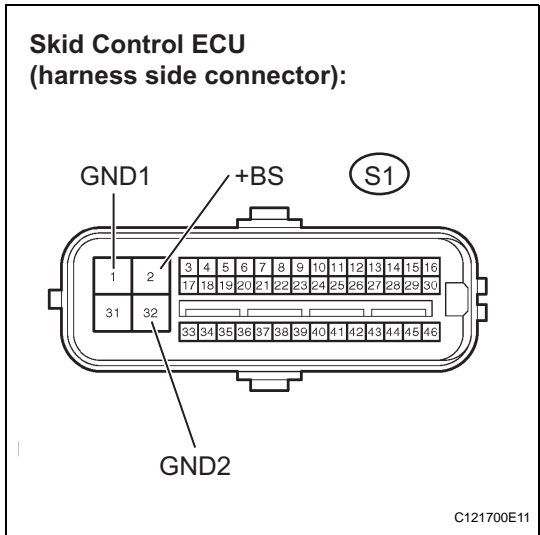
DTC No.	DTC Detecting Conditions	Trouble Areas
C0278/11	When either of following (1 or 2) detected: 1. Both of following conditions continue for at least 0.2 seconds. • IG voltage between 9.5 and 17.2 V. • Relay contact open when relay ON. 2. Both of following conditions continues for at least 0.2 seconds. • IG voltage 9.5 V or less when relay ON. • Relay contact remains open.	<ul style="list-style-type: none"> • Brake actuator (skid control ECU) • ABS solenoid relay circuit
C0279/12	The following condition continues for at least 0.2 seconds. • Relay contact closed immediately after turning ignition switch ON when relay OFF.	<ul style="list-style-type: none"> • Brake actuator (skid control ECU) • ABS solenoid relay circuit

WIRING DIAGRAM



BC

1 INSPECT SKID CONTROL ECU TERMINAL VOLTAGE (+BS - GND1, GND2)



- (a) Disconnect the skid control ECU connector.
- (b) Measure the voltage.

Standard Voltage

Tester Connection	Condition	Specified Condition
S1-2 (BS+) - S1-1,32 (GND1, GND2)	Always	10 to 14 V

- (c) Reconnect the skid control ECU connector.

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

OK

2 RECONFIRM DTC

- (a) Clear the DTCs (See page [BC-16](#)).
- (b) Drive the vehicle at 6 mph (10 km/h) or more to activate initial check.
- (c) Check if the same DTCs are detected.

BC

Result	Proceed to
DTC output	A
DTC not output	B

B → **END**

A

REPLACE BRAKE ACTUATOR