

DTC**C1251/51****Open in Pump Motor Circuit****DESCRIPTION**

The motor relay drives the pump motor based on a signal from the skid control ECU.

DTC No.	DTC Detection Condition	Trouble Area
C1251/51	When either condition below is met: 1. Actuator pump motor does not operate properly. 2. Open in actuator pump motor circuit continues for at least 2 seconds.	<ul style="list-style-type: none"> • Wire harness • ABS and TRACTION actuator

WIRING DIAGRAM

Refer to DTC C0273/13, C0274/14, C1361/91 (see page [BC-79](#)).

INSPECTION PROCEDURE**1****PERFORM ACTIVE TEST BY INTELLIGENT TESTER (MOTOR RELAY)**

- (a) Select the ACTIVE TEST, generate a control command, and then check that the ABS motor relay operates.

BC**Skid control ECU**

Item	Test Details	Diagnosis Note
MOTOR RELAY	Turn ABS motor relay ON / OFF	Operation sound of motor can be heard

OK:

Operation sound of ABS motor is heard.

NG**Go to step 3****OK****2****RECONFIRM DTC**

- (a) Clear the DTC (see page [BC-47](#)).
 (b) Start the engine.
 (c) Drive the vehicle at a speed of 6 km/h (4 mph) or more for several seconds.
 (d) Check if the same DTC is output (see page [BC-47](#)).

Result

Result	Proceed to
DTC is output	A
DTC is not output	B

B**END****A****REPLACE ABS AND TRACTION ACTUATOR ASSEMBLY**

3 INSPECT FUSE (ABS1)

- (a) Remove the ABS1 H-fuse from the engine room No. 1 relay block.
- (b) Measure the resistance of the fuse.

Standard resistance:

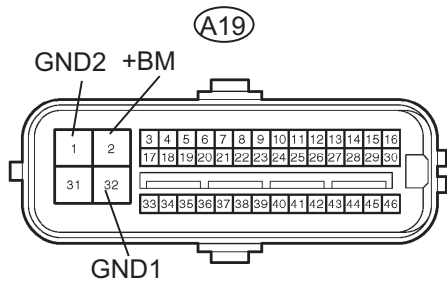
Below 1 Ω

NG → **REPLACE FUSE**

OK

4 CHECK WIRE HARNESS (SKID CONTROL ECU - BATTERY AND BODY GROUND)

Wire Harness Side



C121700E43

- (a) Disconnect the A19 connector.
- (b) Measure the resistance of the wire harness side connector.

Standard resistance

Tester Connection	Specified Condition
A19-32 (GND1) - Body ground	Below 1 Ω
A19-1 (GND2) - Body ground	Below 1 Ω

- (c) Measure the voltage of the wire harness side connector.

Standard voltage

Tester Connection	Specified Condition
A19-2 (BM) - Body ground	10 to 14 V

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

OK

BC

REPLACE ABS AND TRACTION ACTUATOR ASSEMBLY