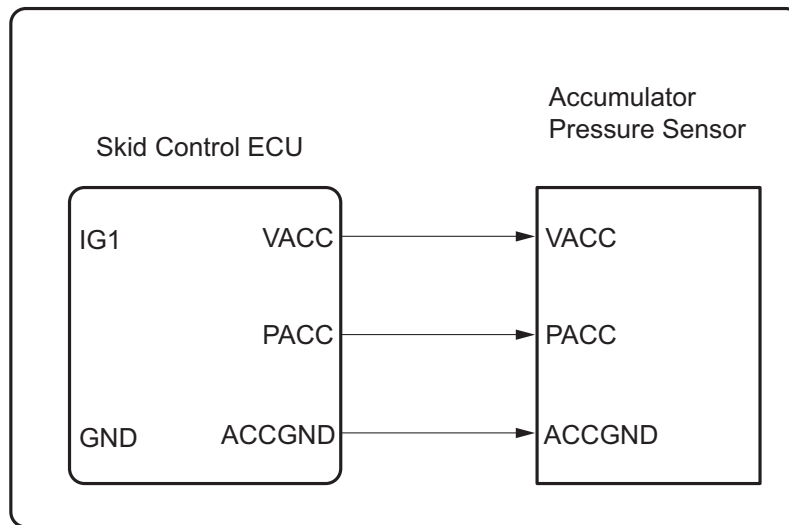


DTC**C1254/54****Pressure Switch Circuit****DESCRIPTION**

The accumulator pressure sensor is connected to the skid control ECU in the master cylinder solenoid.

Master Cylinder Solenoid (Skid Control ECU with Actuator)



VACC: Accumulator Pressure Sensor Power Supply Output

PACC: Accumulator Pressure Sensor Signal Input

ACCGND: Accumulator Pressure Sensor Ground

Y

C124776E01

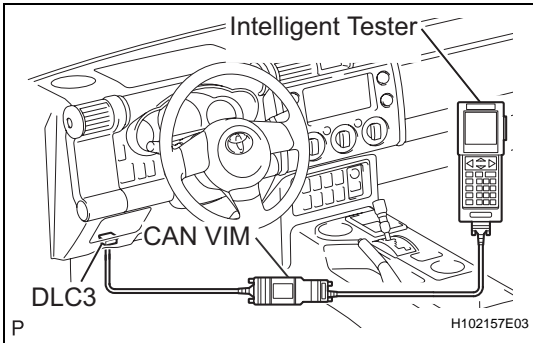
DTC No.	DTC Detecting Condition	Trouble Areas
C1254/54	Accumulator pressure sensor fault (Fluid pressure does not change when it should e.g. pump operates, brake pedal depressed/released).	<ul style="list-style-type: none"> Master cylinder solenoid (skid control ECU) Hydraulic brake booster (accumulator pressure sensor) Hydraulic brake booster (master cylinder pressure sensor)

BC

INSPECTION PROCEDURE

1 READ VALUE OF DATA LIST (ACCUMULATOR PRESSURE SENSOR)

BC



- (a) Connect the intelligent tester to the DLC3.
- (b) Turn the ignition switch off.
- (c) Depress the brake pedal more than 20 times.
- (d) Turn the ignition switch on.
- (e) Select the DATA LIST mode on the intelligent tester.

DATA LIST: ABS/VSC

Item	Measurement Item / Range (Display)	Normal Condition
ACC PRESS SENS	Accumulator pressure sensor reading / min.: 0 V, max.: 5 V	3.58 to 5 V

- (f) Confirm whether the accumulator output voltage is normal.

Result

Result	Proceed to
Output value normal	A
Output value not normal	B

B → **REPLACE HYDRAULIC BRAKE BOOSTER**

A

2 READ VALUE OF DATA LIST (MASTER CYLINDER PRESSURE SENSOR)

- (a) Turn the ignition switch off.
- (b) Depress the brake pedal more than 20 times.
- (c) Install a brake pedal effort gauge (SST), and bleed air.
- (d) Connect the intelligent tester to the DLC3.
- (e) Turn the ignition switch on.
- (f) Select the DATA LIST mode on the intelligent tester.

DATA LIST: ABS/VSC

Item	Measurement Item / Range (Display)	Normal Condition	Diagnostic Note
MAS CYL PRS 1	Master cylinder pressure sensor 1 reading / min.: 0 V, max.: 5 V	0.3 to 1.9 V With pedal pressure of 49 N (5 kgf, 11 lbf)	Front brake pressure: 770 to 1280 kpa (7.9 to 13.1 kgf/cm ² , 112 to 186 psi)

- (g) Check that the master cylinder output value is in the Normal Condition range.

OK:

Master cylinder pressure sensor value is in the Normal Condition.

NG → **REPLACE HYDRAULIC BRAKE BOOSTER**

OK

3 RECONFIRM DTC

- (a) Clear the DTC (See page [BC-45](#)).
- (b) Turn the ignition switch off.
- (c) Depress the brake pedal more than 20 times.
- (d) Turn the ignition switch on.
- (e) Wait until the pump motor stops.
- (f) Depress the brake pedal and release it.
- (g) Wait for 25 minutes.
- (h) Check if the same DTC is recorded (See page [BC-45](#)).

BC

Result

Result	Proceed to
DTC output	A
DTC not output	B

B

END

A

REPLACE MASTER CYLINDER SOLENOID