

**BRAKE CONTROL > ELECTRONICALLY CONTROLLED BRAKE SYSTEM > C1391/69  
Accumulator Leak Malfunction**

**INSPECTION PROCEDURE**

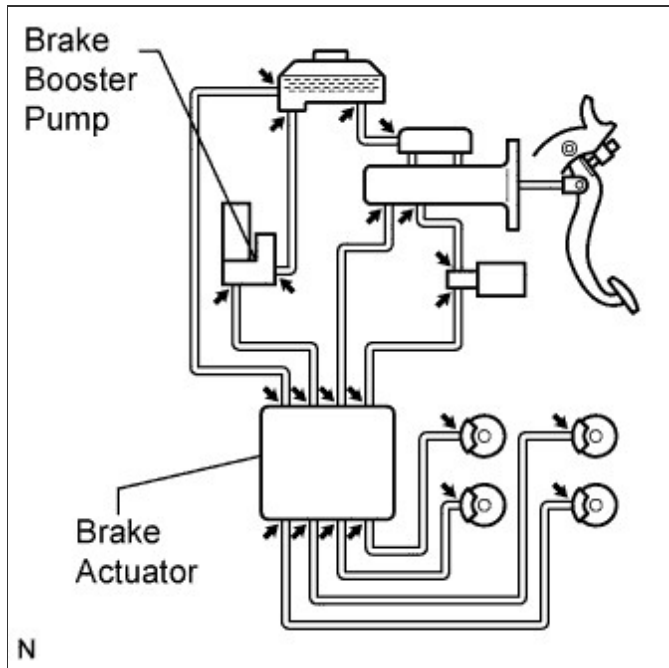
**NOTICE:**

When replacing the skid control ECU or brake actuator, perform initialization of linear solenoid valve and calibration (Refer to [BRAKE CONTROL > ELECTRONICALLY CONTROLLED BRAKE SYSTEM > INITIALIZATION\(200909 - \)](#)).

**1. CHECK BRAKE FLUID LEAKAGE**

- a. Check that there is no fluid leakage in the brake line between the brake actuator and the wheel cylinder which is the cause of DTCs.
- b. Check that the brake is not dragging.

**OK:**  
There is no fluid leakage or dragging.



**NG**

**REPAIR OR REPLACE APPLICABLE PART**

**OK**

**2. CHECK DTC**

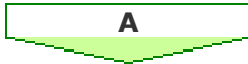
- a. Clear the DTC (Refer to [BRAKE CONTROL > ELECTRONICALLY CONTROLLED BRAKE SYSTEM > DTC CHECK / CLEAR\(200909 - \)](#)).
- b. Turn the engine switch OFF.
- c. Turn the engine switch ON (IG).
- d. Check if the same DTC C1391 is recorded.

**Result**

Result	Proceed to
DTC C1391 is output	A
DTC C1391 is not	



**REPLACE BRAKE ACTUATOR (Refer to BRAKE CONTROL > BRAKE ACTUATOR > REMOVAL(200909 - ))**



**3. PERFORM ACTIVE TEST USING TECHSTREAM (SMC1, SMC2, SLRRR, AND SLRRL)**

- a. Connect the Techstream to the DLC3.
- b. Turn the engine switch ON (IG).
- c. Turn the Techstream main switch on.
- d. Select the Active Test mode on the Techstream.

**HINT:**

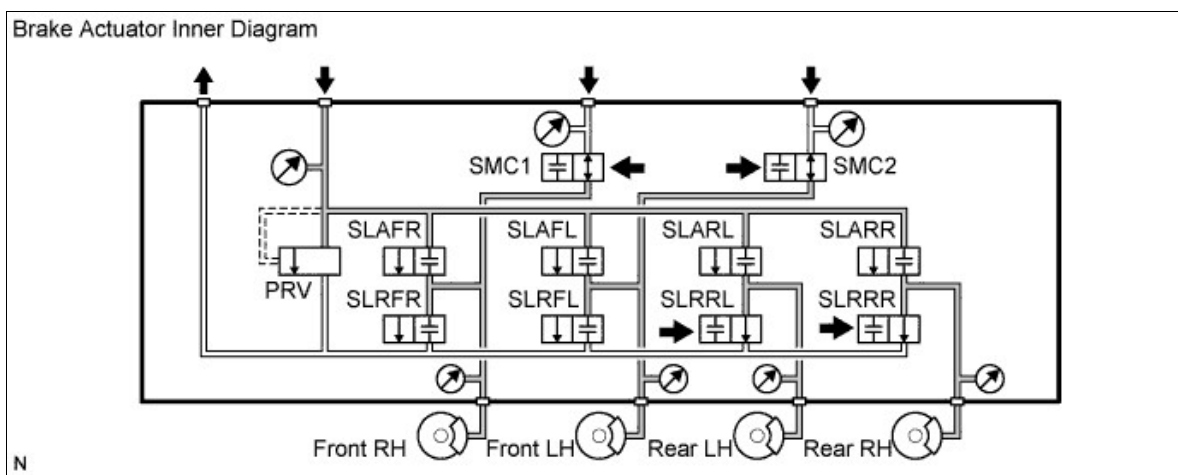
The Active Test can be performed when the following conditions are met.

- Main relay 1 and 2 are on.
- Shift lever is P position.
- Parking brake is on.
- Vehicle speed is 0 km/h (0 mph).

**ABS/VSC/TRAC**

Tester Display	Test Part	Control Range	Diagnostic Note
Electronically Controlled Brake System Solenoid (SCC)	Turns electronically controlled brake system solenoid (SMC2)	ON / OFF	Operation sound of solenoid (clicking sound) can be heard
Electronically Controlled Brake System Solenoid (SMC)	Turns electronically controlled brake system solenoid (SMC1)	ON / OFF	Operation sound of solenoid (clicking sound) can be heard
Electronically Controlled Brake System Solenoid (SLRRR) Valve Close	Turns SLRRR solenoid	ON / OFF	Operation sound of solenoid (clicking sound) can be heard
Electronically Controlled Brake System Solenoid (SLRRL) Valve Close	Turns SLRRL solenoid	ON / OFF	Operation sound of solenoid (clicking sound) can be heard

- e. Using the Techstream, turn SMC1, SMC2, SLRRR, or SLRRL ON.



f. Check that each wheel cylinder's output value does not increase.

**OK:**

**Each wheel cylinder's output value does not increase.**

**HINT:**

If any of wheel cylinder's output value increases, there may be a brake fluid leak in the brake actuator.

**Result**

Result	Proceed to
Any of wheel cylinder's output value increases.	A
Each wheel cylinder's output value does not increase.	B

**B**

**REPLACE BRAKE ACCUMULATOR PUMP (Refer to BRAKE CONTROL > BRAKE ACTUATOR > REMOVAL (200909 - ))**

**A**

**4. REPLACE BRAKE ACTUATOR**

Replace the brake actuator (Refer to BRAKE CONTROL > BRAKE ACTUATOR > REMOVAL (200909 - )).

**NEXT**

**REPLACE BRAKE ACCUMULATOR PUMP (Refer to BRAKE CONTROL > BRAKE ACTUATOR > REMOVAL(200909 - ))**