

# BRAKE ACTUATOR (w/o VSC)

## ON-VEHICLE INSPECTION

### 1. CONNECT INTELLIGENT TESTER

- (a) Connect the intelligent tester to the DLC3.
- (b) Start the engine and allow it to idle.
- (c) Select ACTIVE TEST mode on the intelligent tester.

**HINT:**

Refer to the intelligent tester operator manual for further details.

### 2. INSPECT ACTUATOR MOTOR OPERATION

- (a) With the motor relay ON, check the actuator motor operation noise.
- (b) Turn the motor relay OFF.
- (c) Depress the brake pedal and hold it for about 15 seconds. Check that the brake pedal cannot be depressed.
- (d) With the motor relay ON, check that the pedal does not pulsate.

**NOTICE:**

**Do not keep the motor relay ON for more than 5 seconds continuously. When operating it continuously, allow intervals of more than 20 seconds.**

- (e) Turn the motor relay OFF and release the brake pedal.

### 3. INSPECT RIGHT FRONT WHEEL OPERATION

**NOTICE:**

**Never turn ON any solenoids other than those described below.**

- (a) With the brake pedal depressed, perform the following operations.
- (b) Turn SFRH and SFRR solenoids ON simultaneously, and check that the pedal cannot be depressed.

**NOTICE:**

**Do not keep the solenoids ON for more than 2 seconds continuously. When operating them continuously, allow intervals of more than 20 seconds.**

- (c) Turn SFRH and SFRR solenoids OFF simultaneously, and check that the pedal can be depressed.
- (d) Turn the motor relay ON, and check that the pedal returns.

**NOTICE:**

**Do not keep the motor relay ON for more than 5 seconds continuously. When operating it continuously, allow intervals of more than 20 seconds.**

- (e) Turn the motor relay OFF and release the brake pedal.

**4. INSPECT OTHER WHEEL OPERATION**

- (a) Check the solenoids of the other wheels using the same procedures as above.

HINT:

Left front wheel: SFLH, SFLR

Right rear wheel: SRRH, SRRR

Left rear wheel: SRLH, SRLR