

# BRAKE ACTUATOR ASSY

## ON-VEHICLE INSPECTION

### 1. CONNECT INTELLIGENT TESTER II

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

HINT:

Please refer to the intelligent tester II operator's 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 a motor relay on for more than 5 seconds continuously. When operating it continuously, set an interval 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 a solenoid in a manner different than described below.**

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

**NOTICE:**

**Do not keep a solenoid on for more than 10 seconds continuously. When operating it continuously, set an interval of more than 20 seconds.**

- (c) Turn the 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 a motor relay on for more than 5 seconds continuously. When operating it continuously, set an interval of more than 20 seconds.**

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

### 4. INSPECT OTHER WHEEL OPERATION

- (a) Using the same procedure, check the solenoids of the other wheels.

HINT:

Right front wheel: SFRH, SFRR

Left front wheel: SFLH, SFLR

Right rear wheel: SRRH, SRRR

Left rear wheel: SRLH, SRLR