



BRAKE ACTUATOR ON-VEHICLE INSPECTION

BR1R7-01

1. INSPECT ABS & TRAC / VSC ACTUATOR OPERATION

- (a) Connect the LEXUS hand-held tester.
 - (1) Connect the LEXUS hand-held tester to the DLC3.
 - (2) Start the engine and run it at idle.
 - (3) Select the ACTIVE TEST mode on the LEXUS hand-held tester.

HINT:

Please refer to the LEXUS hand-held tester operator's manual for further details.

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

NOTICE:

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

- (5) Turn the motor relay OFF and release the brake pedal.
- (c) Inspect the right front wheel operation.

NOTICE:

Never turn ON the solenoid which is not described below.

- (1) With the brake pedal depressed, perform the following operations.
- (2) Turn the SFRH and SFRR solenoid ON simultaneously, and check that the pedal cannot be depressed.

NOTICE:

Do not keep solenoid ON for more than 10 seconds continuously. When operating it continuously, set the interval of more than 20 seconds.

- (3) Turn the SFRH and SFRR solenoid OFF simultaneously, and check that the pedal can be depressed.
- (4) Turn the motor relay ON, and check that the pedal returns.

NOTICE:

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

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

- (d) Inspect other wheel operation.
As in the same procedure, check the solenoids of other wheels.

HINT:

Left front wheel: SFLH, SFLR

Right rear wheel: SRRH, SRRR

Left rear wheel: SRLH, SRLR

- (e) Clear the DTC (See page [DI-437](#) or [DI-505](#)).