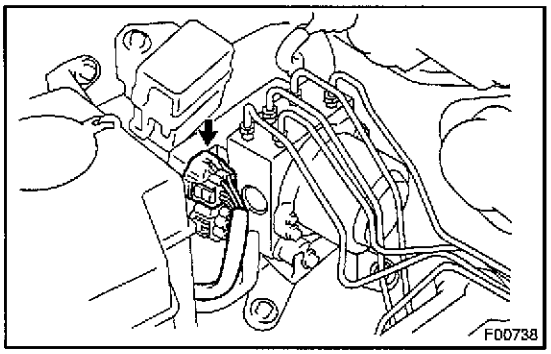
ABS ACTUATOR

BRDFX-01

ON–VEHICLE INSPECTION

1. **INSPECT BATTERY POSITIVE VOLTAGE**
   Battery voltage: 10 – 14 V



2. **DISCONNECT CONNECTORS**

(a) Disconnect the connector from the actuator.

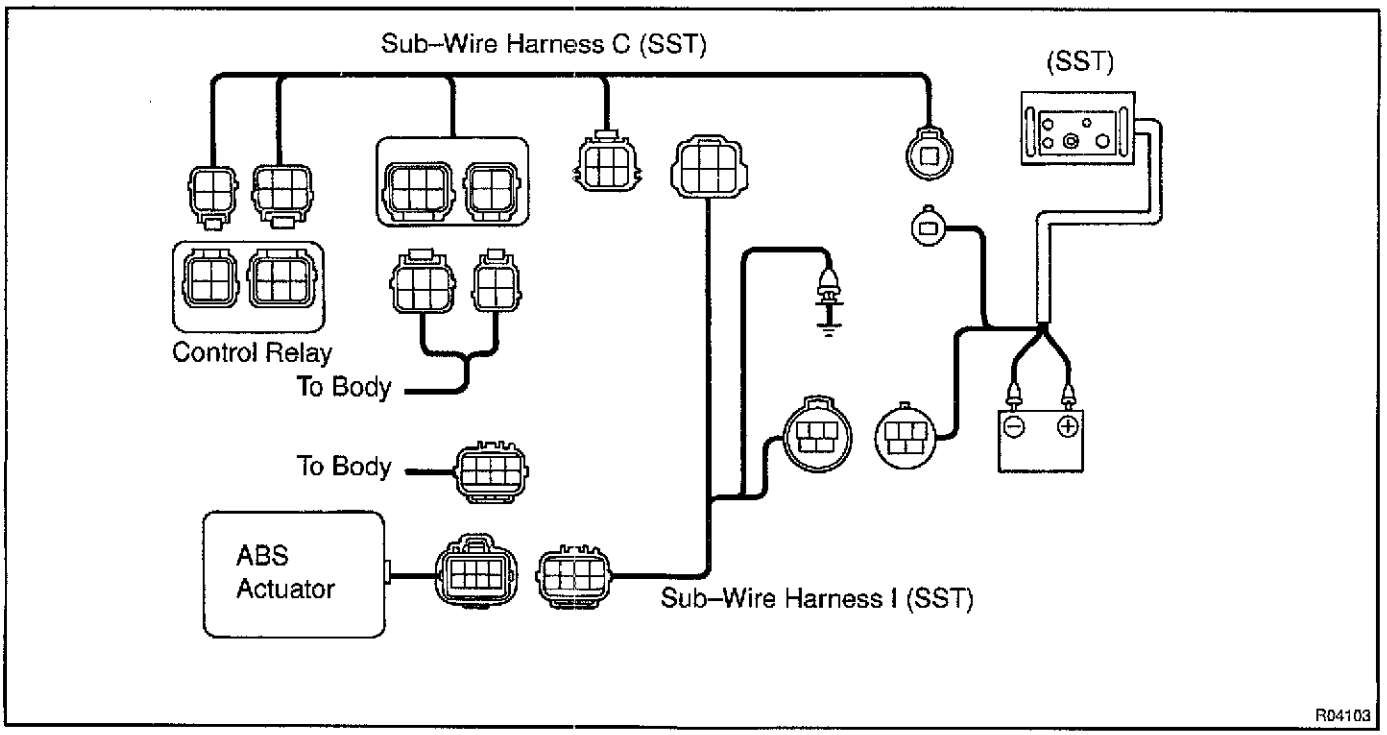
(b) Disconnect the 2 connectors from the control relay.

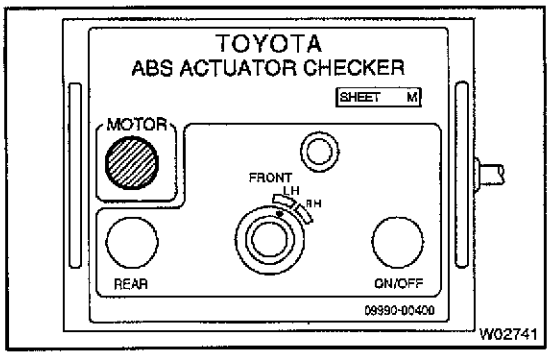
3. **DISCONNECT ACTUATOR CHECKER (SST) TO ACTUATOR**

(a) Connect the actuator checker (SST) to the actuator, control relay and body side wire harness through the sub–wire harness C and I (SST) as shown.
SST 09990–00150, 09990–00200, 09990–00300

(b) Connect the red cable of the checker to the battery positive (+) terminal and black cable to the negative (–) terminal. Connect the black cable of the sub–wire harness to the battery negative (–) terminal or body ground.

(c) Place the "SHEET M" (SST) on the actuator checker.
SST 09990–00400



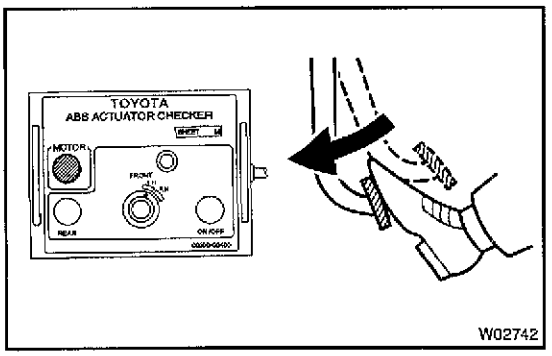


4. INSPECT BRAKE ACTUATOR OPERATION OF FRONT LH WHEEL

(a) Start the engine, and run it at idle.

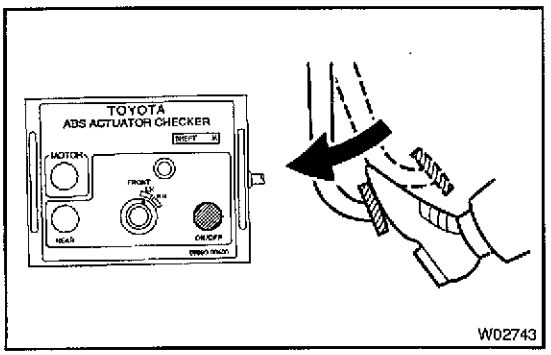
(b) Turn the selector switch of the actuator checker to the "FRONT LH" position.

(c) Push and hold in the MOTOR switch for a few seconds. Make sure that you can hear the motor running.



(d) Depress the brake pedal and hold it for about 15 seconds, and check that the pedal does not go down.

(e) With your foot still applied onto the brake pedal, push MOTOR switch and check that the brake pedal does not pulsate.

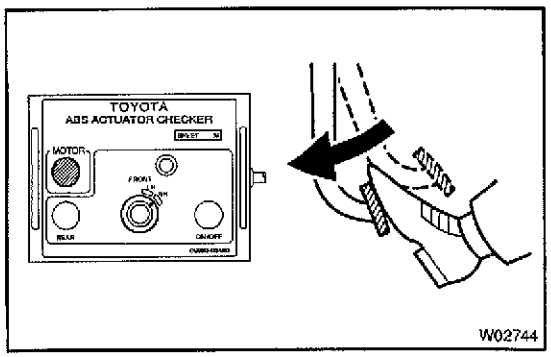


(f) Depress the brake pedal and hold it. As you hold the pedal down, push and hold in the POWER switch for a few seconds. Check that the pedal does not go down.

NOTICE:

Do not keep the POWER switch pushed down for more than 10 seconds.

(g) With your foot still depressing onto the brake pedal, release the POWER switch and check that the pedal goes down.



(h) With your foot still depressing onto the brake pedal, push the MOTOR switch and check that the brake pedal returns.

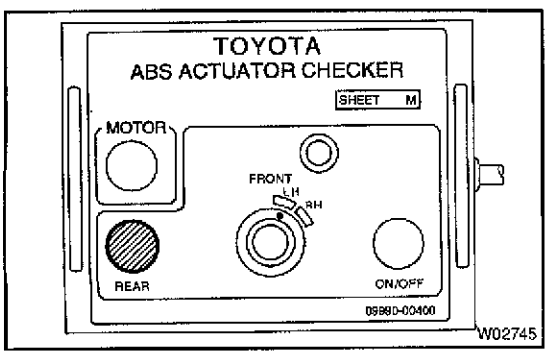
(i) Release the brake pedal.

5. INSPECT FOR OTHER WHEELS

(a) Turn the selector switch to the "FRONT RH" position.

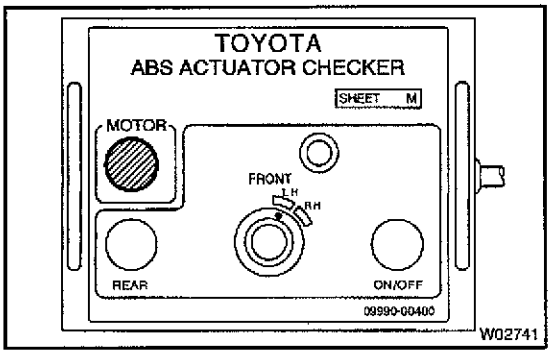
(b) Repeating (c) to (i) in the step **4**, check the actuator operation similarly.

(c) Similarly, inspect it in any selector switch position.



HINT:

Push the REAR switch instead of the POWER switch, and inspect it in any selector switch position.



6. PUSH MOTOR SWITCH

(a) Push and hold in the MOTOR switch for a few seconds.

(b) Stop the engine.

7. DISCONNECT ACTUATOR CHECKER (SST) FROM ACTUATOR

Remove the "SHEET M" (SST) and disconnect the actuator checker (SST) and sub–wire harness (SST) from the actuator, control relay and body side wire harness.

SST 09990–00150, 09990–00200, 09990–00300, 09990–00400

8. CONNECT CONNECTORS

(a) Connect the connector to the actuator.

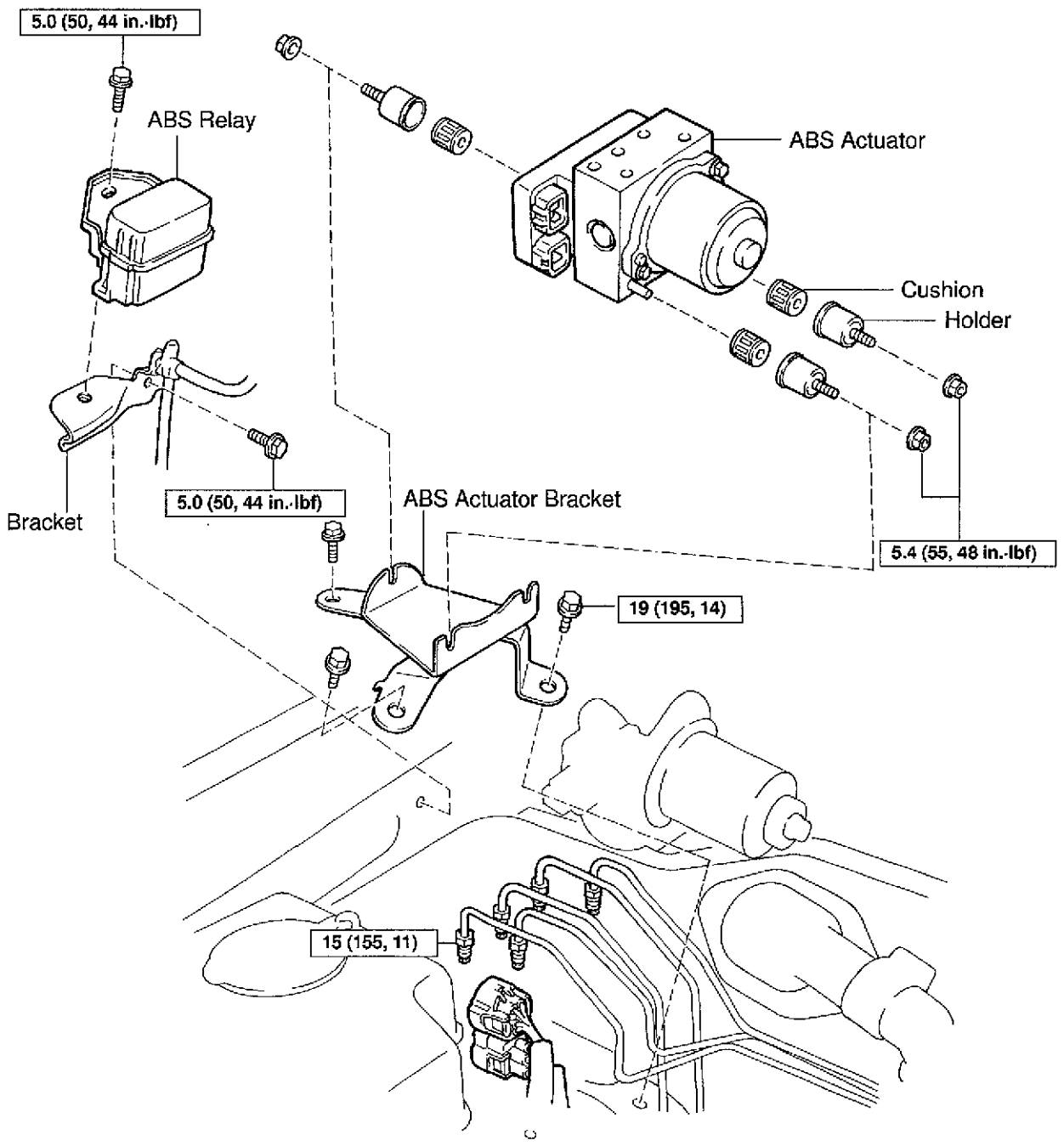
(b) Connect the 2 connectors to the control relay.

9. CLEAR DTC (See page DI–52)

COMPONENTS

BR0FY-01

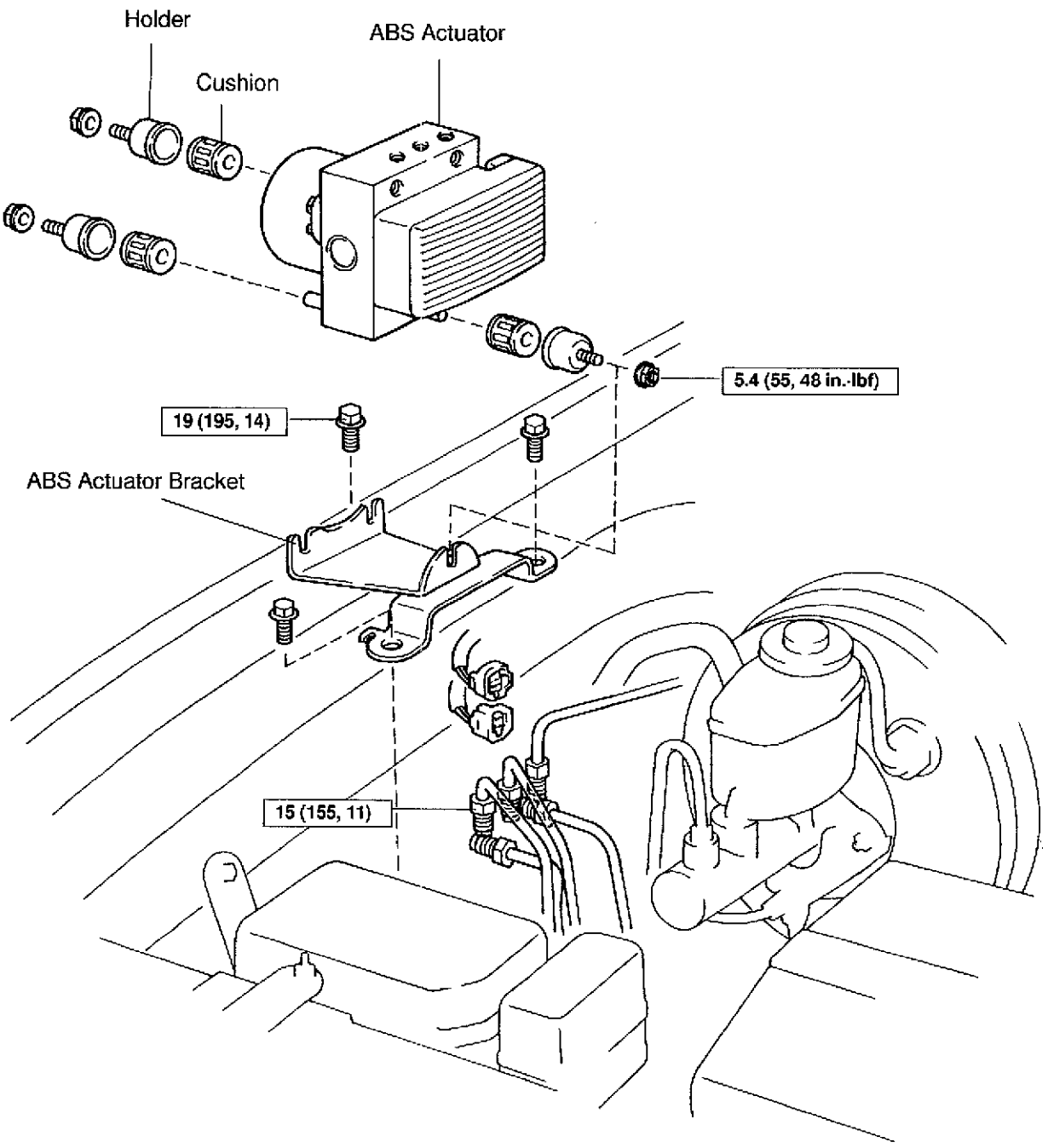
LHD



N·m (kgf·cm, ft·lbf) : Specified torque

F00740

RHD



N·m (kgf·cm, ft·lbf) : Specified torque

F00741

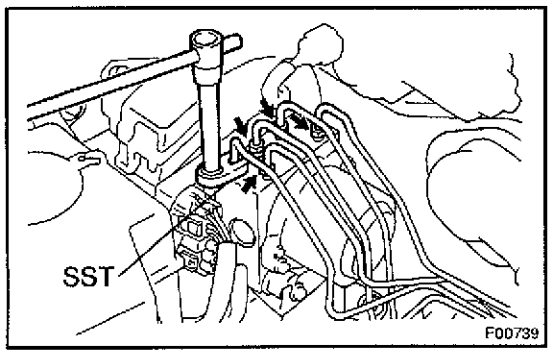
BR0FZ-01

REMOVAL

1. **LHD:**
   REMOVE ABS RELAY AND BRACKET

Remove the 2 bolts, ABS relay and bracket.

Torque: 5.0 N·m (50 kgf·cm, 44 in.·lbf)



2. **DISCONNECT BRAKE LINES**

Using SST, disconnect the 5 brake lines from the ABS actuator.

SST 09023–00100

Torque: 15 N·m (155 kgf·cm, 11 ft·lbf)

3. **DISCONNECT CONNECTORS**

Disconnect the 2 connectors from the actuator.

4. **REMOVE ABS ACTUATOR**

(a) Remove the 3 bolts and ABS actuator assembly.
Torque: 19 N·m (195 kgf·cm, 14 ft·lbf)

(b) Remove the 3 nuts and ABS actuator from the actuator bracket.
Torque: 5.4 N·m (55 kgf·cm, 48 in.·lbf)

(c) Remove the 3 cushions and holders from the ABS actuator.

BR0090-01

INSTALLATION

Installation is in the reverse order of removal (See page BR–76).

AFTER INSTALLATION, FILL BRAKE RESERVOIR WITH BRAKE FLUID, BLEED BRAKE SYSTEM (See page BR–4) AND CHECK FOR LEAKS