

ABS ACTUATOR ON-VEHICLE INSPECTION

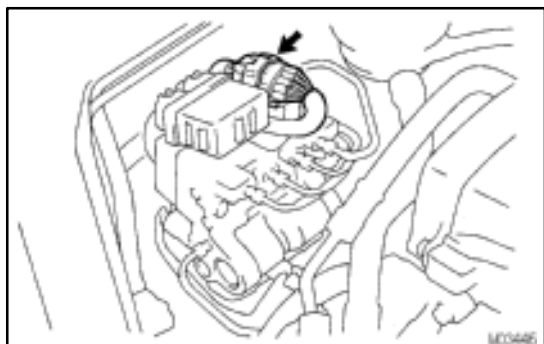
BR03R-05

1. INSPECT BATTERY POSITIVE VOLTAGE

Battery positive voltage: 10 – 14V

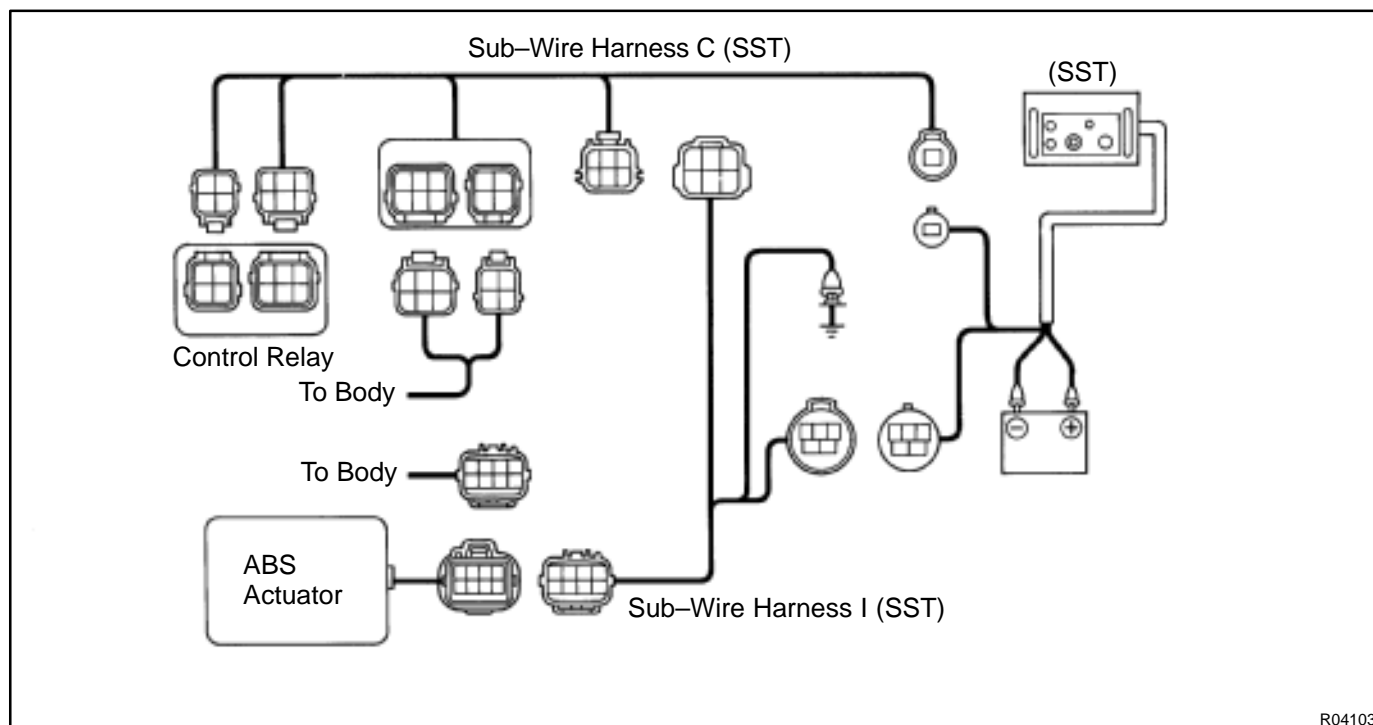
2. DISCONNECT CONNECTORS

- (a) Disconnect the 2 connectors from the control relay.
- (b) Disconnect the connector from the actuator.



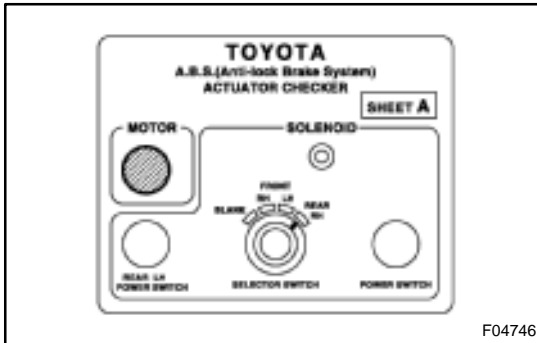
3. CONNECT ACTUATOR CHECKER (SST)

- (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.



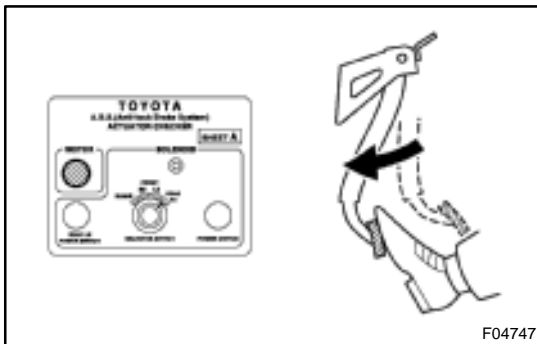
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- (c) Place the "SHEET A" (SST) on the actuator checker.
SST 09990-00163

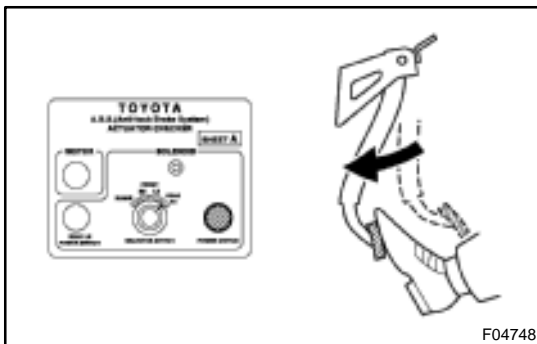


4. INSPECT BRAKE ACTUATOR OPERATION

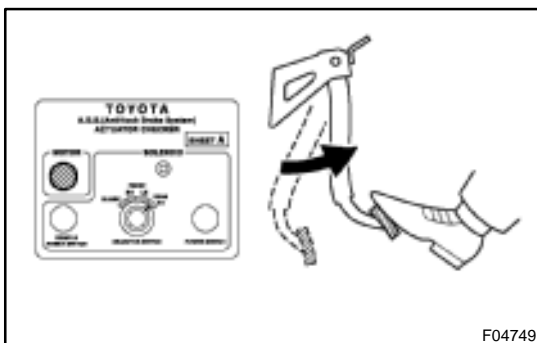
- (a) Start the engine, and run it at idle.
(b) Turn the selector switch of the actuator checker to the "FRONT RH" position.
(c) Push and hold in the MOTOR switch for a few seconds. Make sure that you can hear the motor run.
(d) Depress the brake pedal and hold it for about 15 seconds, and check the pedal does not go down.



- (e) With your foot still applied onto the brake pedal, push the MOTOR switch and check 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 the pedal does not go down.
(g) With your foot still applied onto the brake pedal, release the POWER SWITCH and check that the pedal goes down.



- (h) With your foot still applied on the brake pedal, push the MOTOR switch and check the brake pedal returns.
(i) Release the brake pedal.

5. INSPECT FOR OTHER WHEELS

- (a) Turn the selector switch to the "FRONT LH" position.
(b) Repeat (c) – (i) of step 4, check the actuator operation as before.
(c) Similarly, inspect the "REAR RH" and "REAR LH" positions.

HINT: When inspecting the "REAR LH" position, push the REAR LH switch instead of the POWER SWITCH, and you can inspect 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)

Remove the "SHEET A" (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, 09990-00163, 09990-00200,
09990-00300

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-173](#))