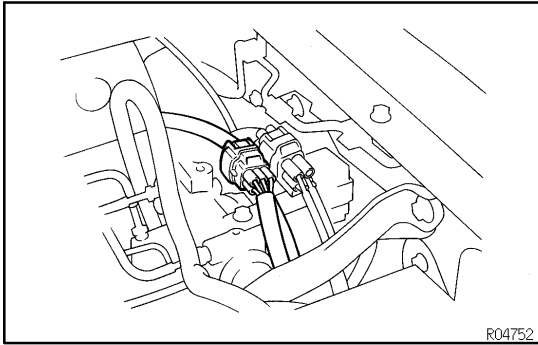




## ABS ACTUATOR ON-VEHICLE INSPECTION

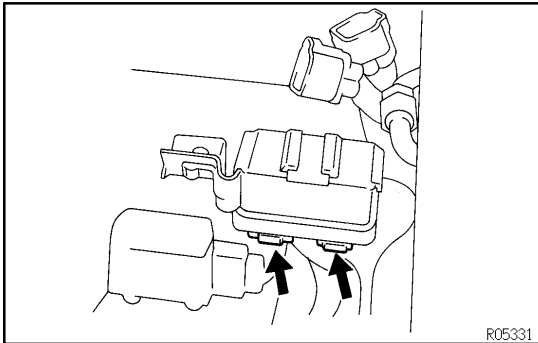
BR1DI-01

### 1. INSPECT BATTERY POSITIVE VOLTAGE

Battery positive voltage: 10 – 14 V

### 2. DISCONNECT CONNECTORS

- (a) Disconnect the connector from the actuator.



- (b) Remove the control relay from the actuator bracket.

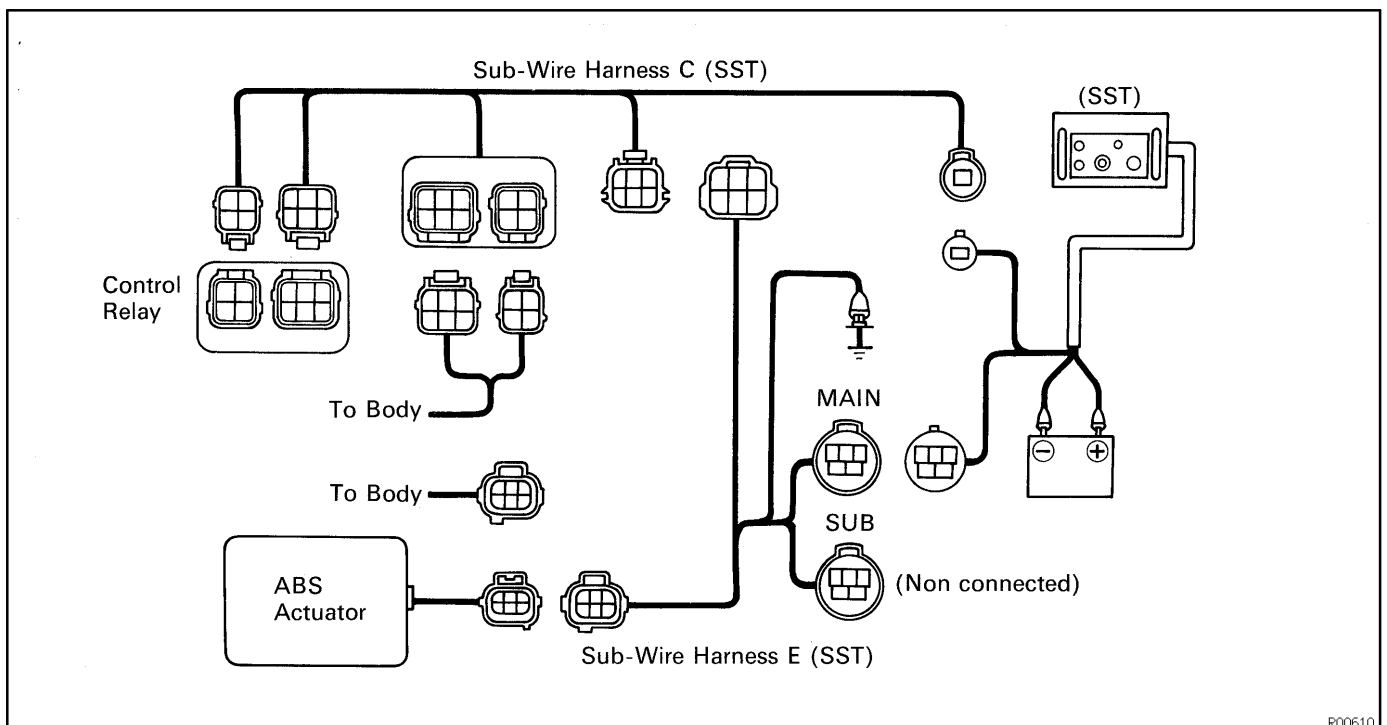
- (c) Disconnect the 2 connectors from the control relay.

### 3. CONNECT ACTUATOR CHECKER (SST) TO ACTUATOR

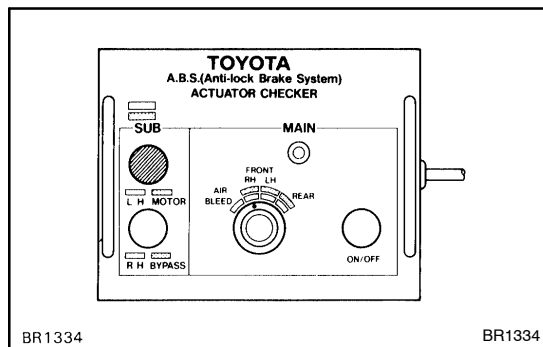
- (a) Connect the actuator checker (SST) to the actuator, control relay and body side wire harness through the sub-wire harness C (SST) and E (SST), as shown.

SST 09990-00150, 09990-00200, 09990-00210

- (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.

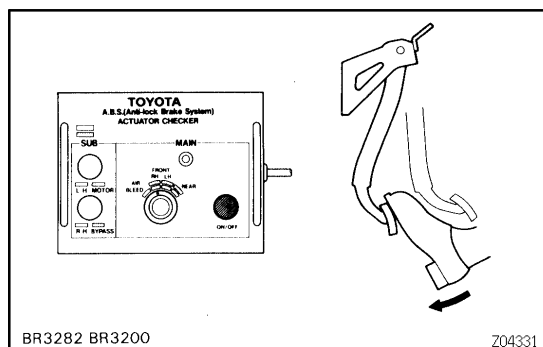


R00610



#### 4. INSPECT BRAKE ACTUATOR OPERATION

- Start the engine, and run it at idle.
- Turn the selector switch of the actuator checker to "FRONT RH" position.
- Push and hold in the SUB MOTOR switch for a few seconds.
- Depress the brake pedal and hold it until the step (g) is completed.

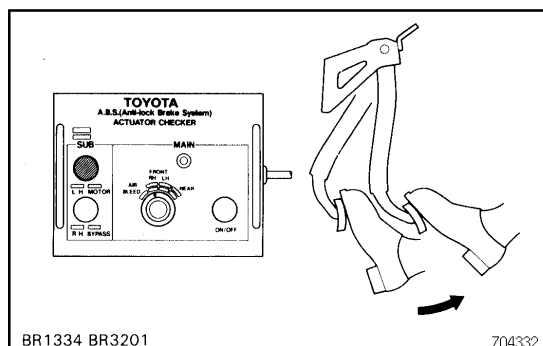


- Push the POWER switch, and check that the brake pedal does not go down.

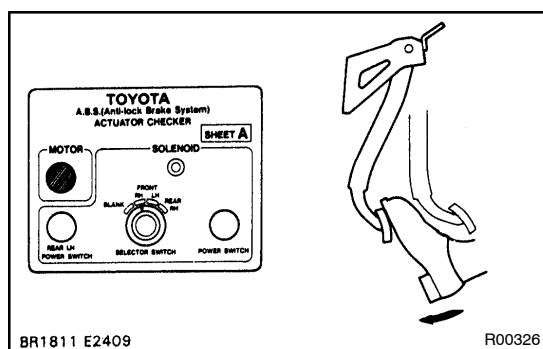
#### NOTICE:

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

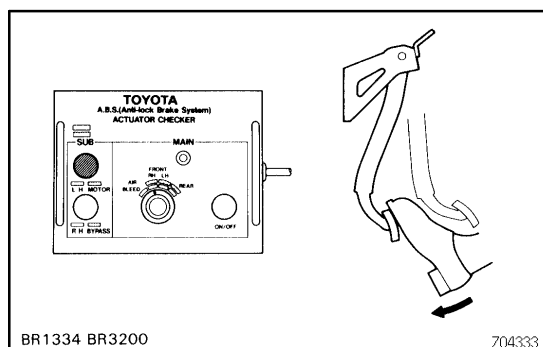
- Release the switch, and check that the pedal goes down.



- Push and hold in the SUB MOTOR switch for a few seconds, and check that the pedal returns.
- Release the brake pedal.



- Push and hold in the SUB MOTOR switch for a few seconds.
- Depress the brake pedal and hold it for about 15 seconds. As you hold the pedal down, push the SUB MOTOR switch for a few seconds. Check that the brake pedal does not pulsate.
- Release the brake pedal.

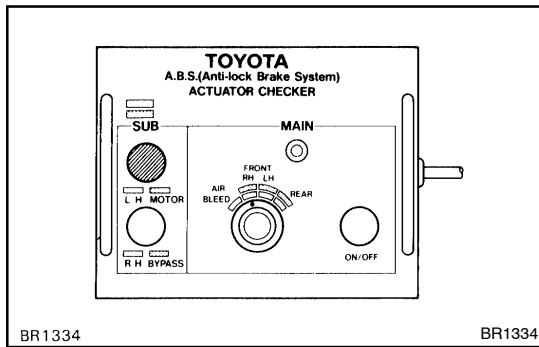


#### 5. INSPECT FOR OTHER WHEELS

- Turn the selector switch to "FRONT LH" position.
- Repeating (c) to (j) of the step 4, check the actuator operation similarly.
- Similarly, inspect "REAR" position.

#### 6. PUSH SUB MOTOR SWITCH

- Push and hold in the SUB MOTOR switch for a few seconds.
- Stop the engine.



## 7. DISCONNECT ACTUATOR CHECKER (SST) FROM ACTUATOR

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, 09990-00210

## 8. CONNECT CONNECTORS

- Connect the 2 connectors to the control relay.
- Connect the connector to the actuator.
- Install the control relay to the actuator bracket.

## 9. CLEAR DTC (See page [DI-189](#))