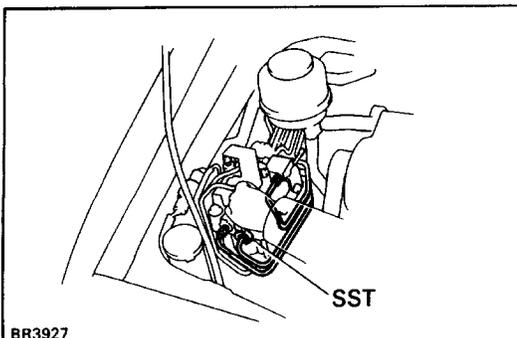
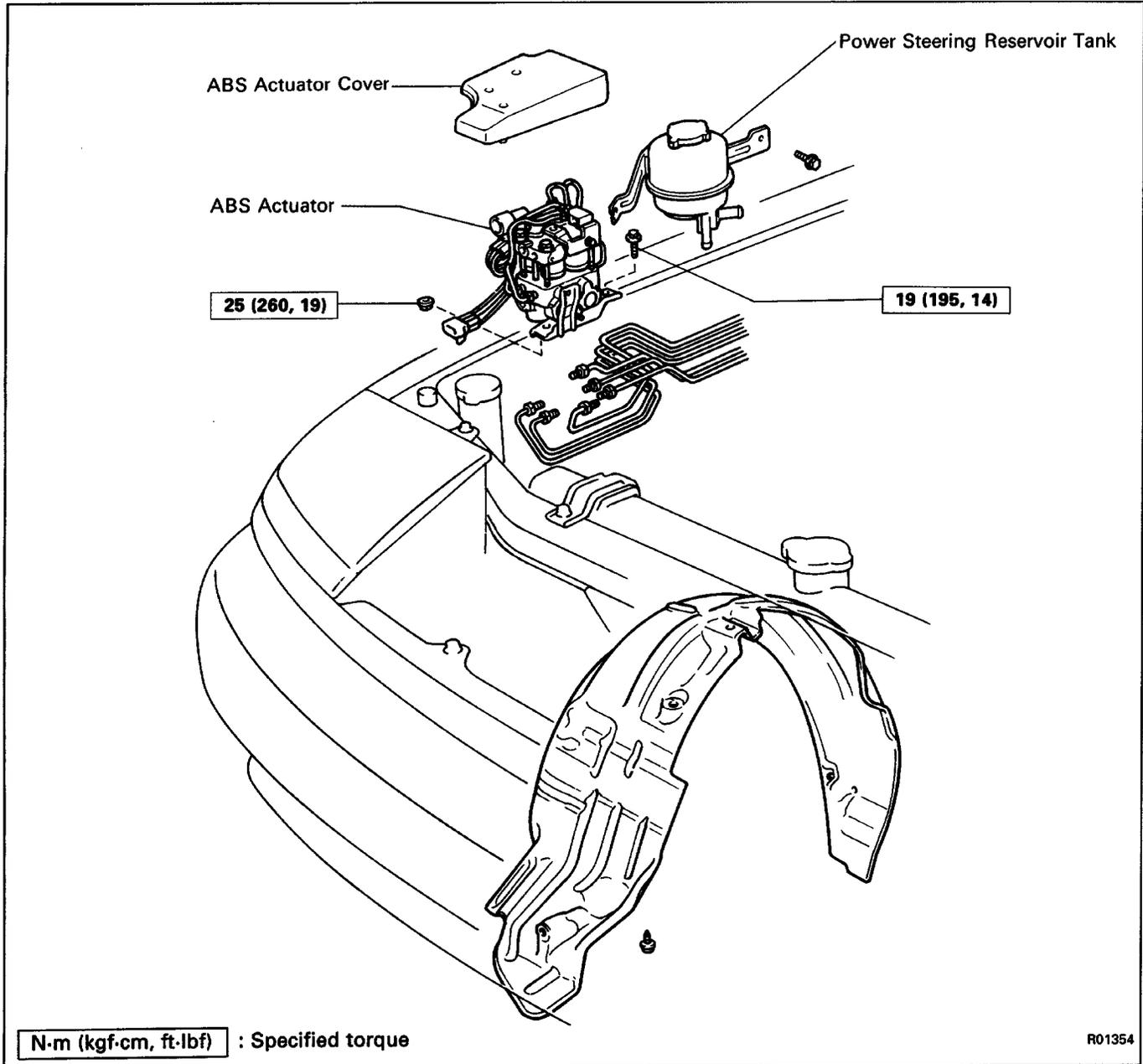


ABS Actuator REMOVAL AND INSTALLATION OF ABS ACTUATOR

Remove and install the parts as shown.



1. DISCONNECT AND CONNECT BRAKE TUBE

Using SST, disconnect and connect the brake tubes from/to the ABS actuator.

SST 09751-36011

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

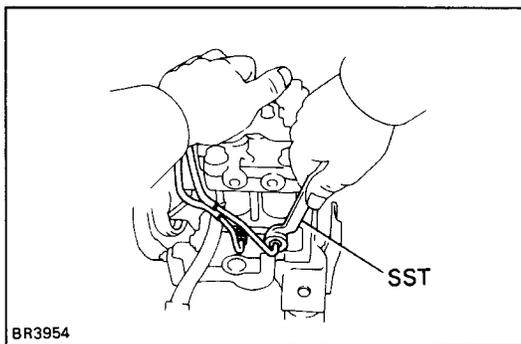
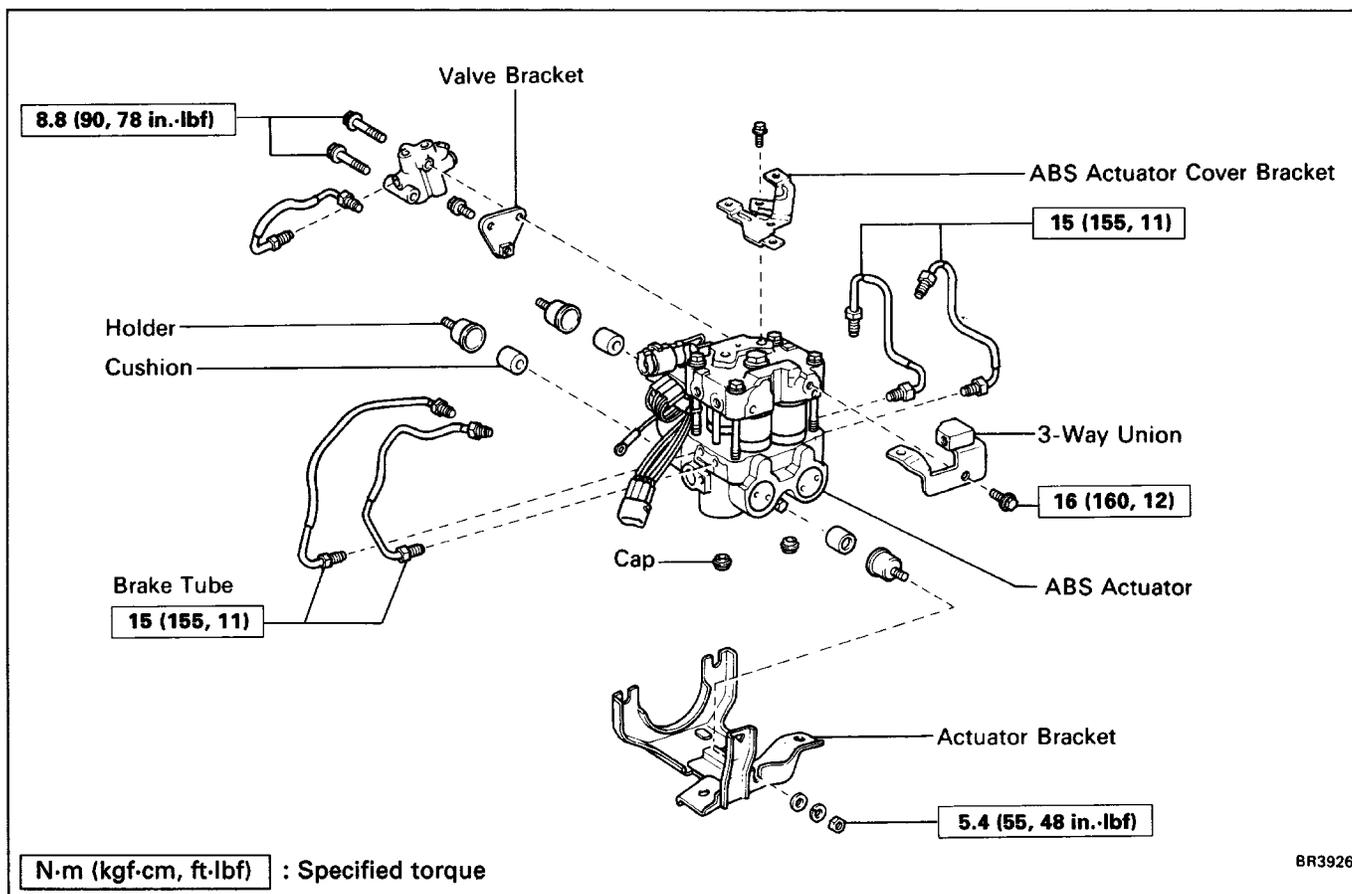
2. FILL BRAKE RESERVOIR WITH BRAKE FLUID AND BLEED BRAKE SYSTEM

(See page [BR-7](#))

DISASSEMBLY AND ASSEMBLY OF ABS ACTUATOR

Remove and install the parts as shown.

COMPONENTS



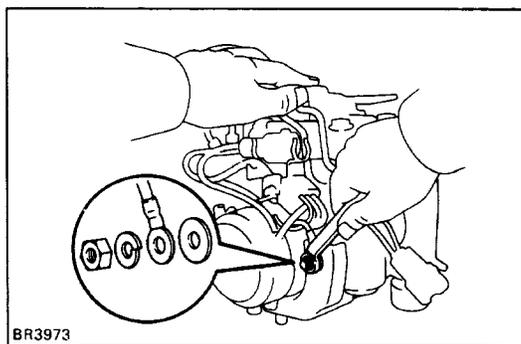
(MAIN POINT OF REMOVAL AND INSTALLATION)

1. DISCONNECT AND CONNECT BRAKE TUBE

Using SST, disconnect and connect the brake tubes from/to the ABS actuator.

SST 09751-36011

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

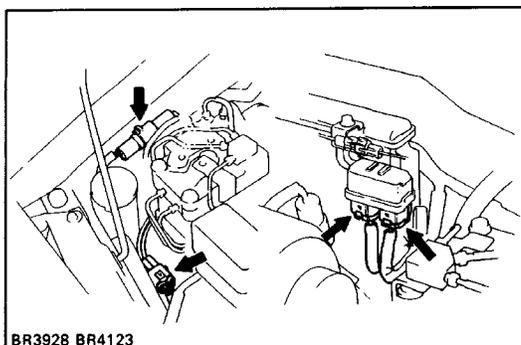


2. INSTALL ACTUATOR

- Install the actuator to the actuator bracket in place.
- Install the washers, wave washers and nuts.
- Tighten the three nuts.

Torque: 5.4 N·m (55 kgf·cm, 48 in.-lbf)

HINT: Before installing the front right side nut, install the motor ground terminal between the plate washer and spring washer.



INSPECTION OF ABS ACTUATOR OPERATION

1. INSPECT BATTERY POSITIVE VOLTAGE

Battery positive voltage: 10 – 14.5 V

2. REMOVE ACTUATOR COVER

3. DISCONNECT CONNECTORS

Disconnect the four connectors from the actuator and control relay.

4. CONNECT ACTUATOR CHECKER (SST) TO ACTUATOR

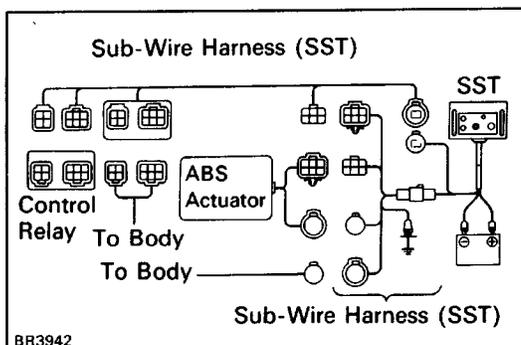
(a) Connect the actuator checker (SST) to the actuator, control relay and body side wire harness through the sub-wire harness (SST) as shown.

SST 09990-00150 and 09990-00200

(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 A" (SST) on the actuator checker.

SST 09990-00163



5. INSPECT BRAKE ACTUATOR OPERATION

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

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

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

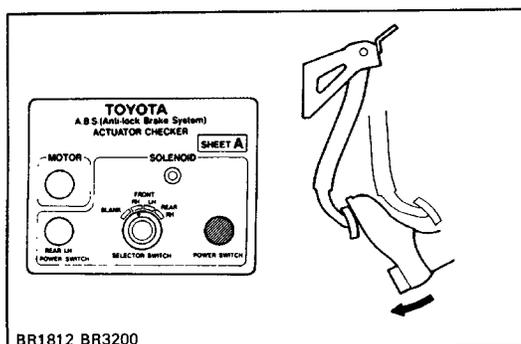
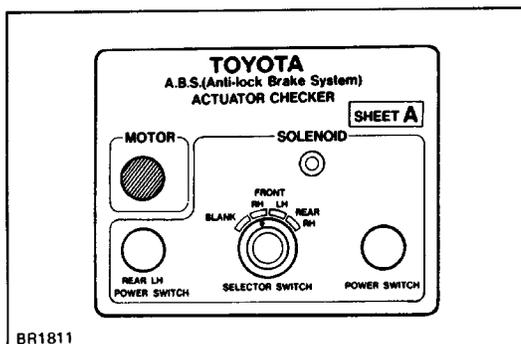
(d) Depress the brake pedal and hold it until the step

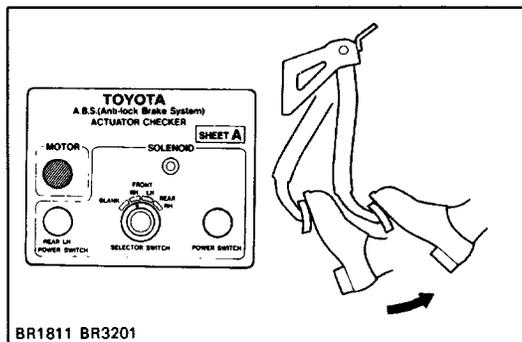
(g) is completed.

(e) Push the POWER SWITCH, and check that the brake pedal does not go down.

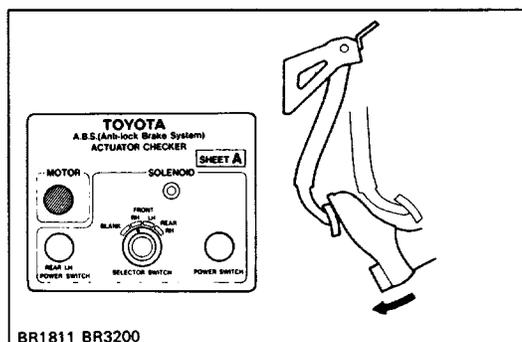
NOTICE: Do not keep the POWER SWITCH pushing more than 10 seconds.

(f) Release the switch, and check that the pedal go down.

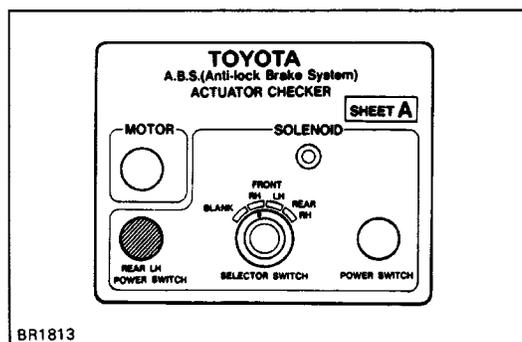




- (g) Push and hold in the MOTOR switch for a few seconds, and check that the pedal returns.
 (h) Release the brake pedal.



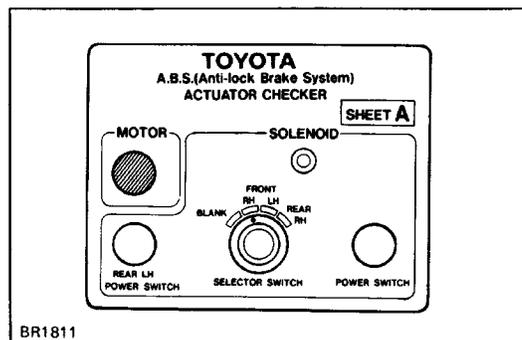
- (i) Push and hold in the MOTOR switch for a few seconds.
 (j) Depress the brake pedal and hold it for about 15 seconds. As you hold the pedal down, push the MOTOR switch for a few seconds. Check that the brake pedal does not pulsate.



6. INSPECT FOR OTHER WHEELS

- (a) Turn the selector switch to "FRONT LH" position.
 (b) Repeating (c) to (j) of the step 5, check the actuator operation similarly.
 (c) Similarly, inspect "REAR RH" and "REAR LH" position.

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



7. PUSH MOTOR SWITCH

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

8. DISCONNECT ACTUATOR CHECKER (SST) FROM ACTUATOR

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, 09990-00200 and 09990-00163

9. CONNECT ACTUATOR CONNECTORS

Connect the four connectors to actuator and control relay.

10. INSTALL CONNECTOR

Install the connector to the actuator bracket.

11. INSTALL ACTUATOR COVER

12. CLEAR DIAGNOSTIC TROUBLE CODES

(See page BR-61)

