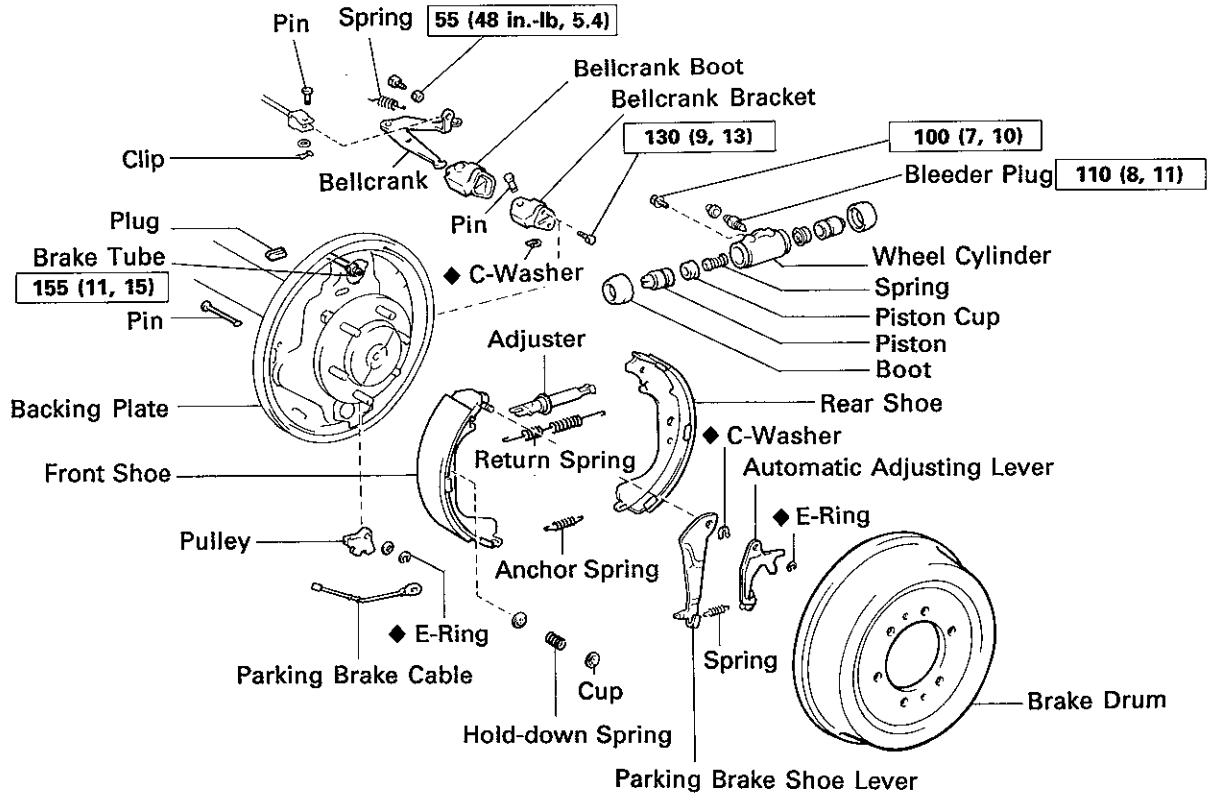


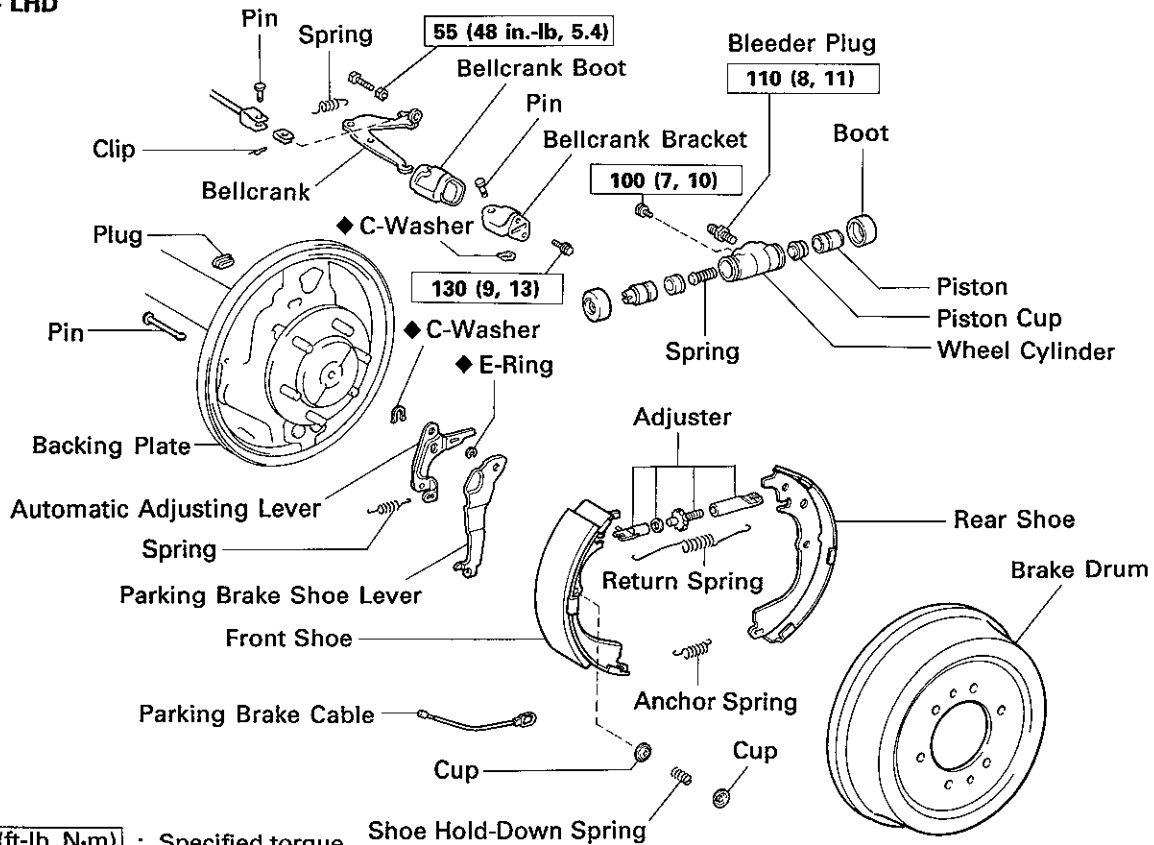
(4WD and 2WD – LHD)

COMPONENTS

4WD



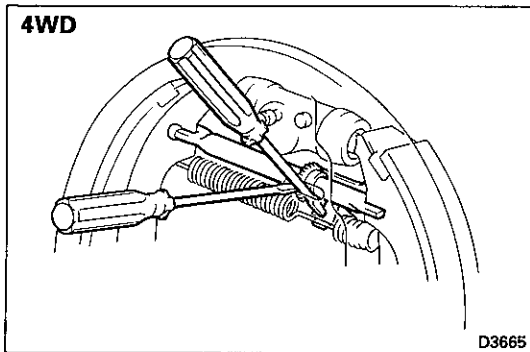
2WD – LHD



[kg-cm (ft-lb, N-m)] : Specified torque

◆ Non-reusable part

4WD



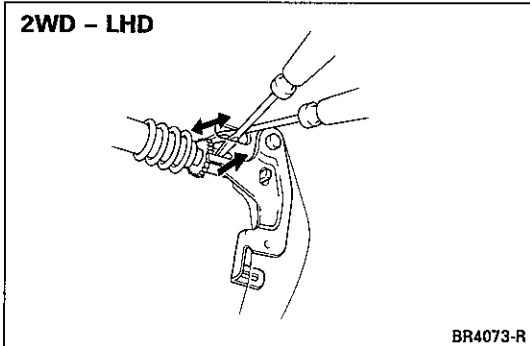
REMOVAL OF REAR BRAKE

1. REMOVE REAR WHEEL AND BRAKE DRUM

HINT: If the brake drum cannot be removed easily, perform the following procedure.

- Insert a screwdriver through the hole in the backing plate, and hold the automatic adjusting lever away from the adjusting bolt.
- Using another screwdriver, reduce the brake shoe adjuster by turning the adjusting bolt.

2WD – LHD



2. REMOVE REAR SHOE

- (4WD)

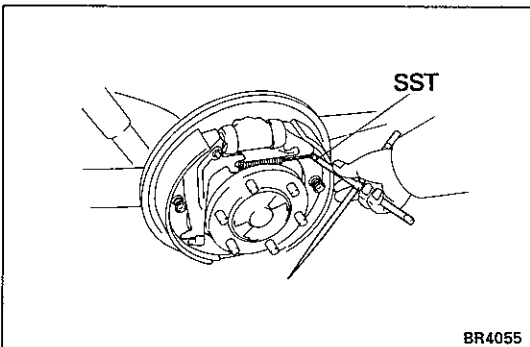
Using SST, remove the return spring.

SST 09703-30010

- (2WD – LHD)

Using SST, disconnect the return spring.

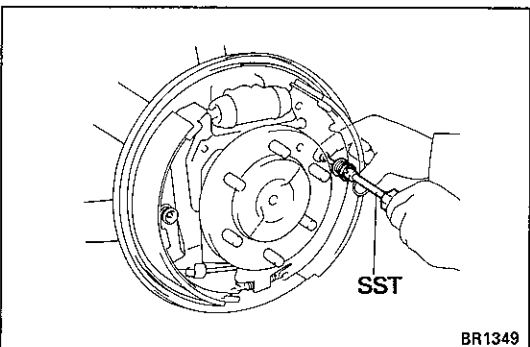
SST 09703-30010



- Using SST, remove the rear shoe hold-down spring, cups and pin.

SST 09718-00010

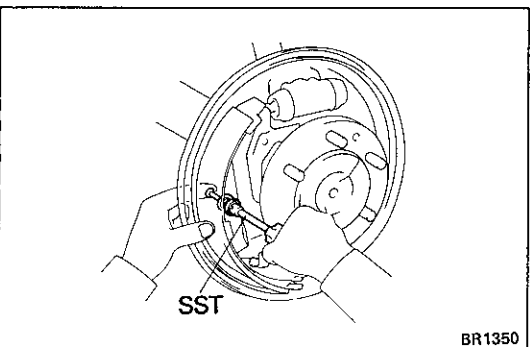
- Remove the rear brake shoe and anchor spring.

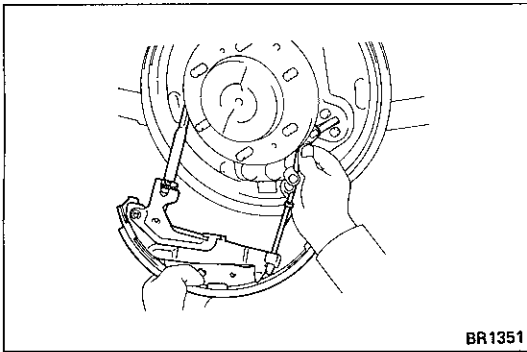


3. REMOVE FRONT SHOE

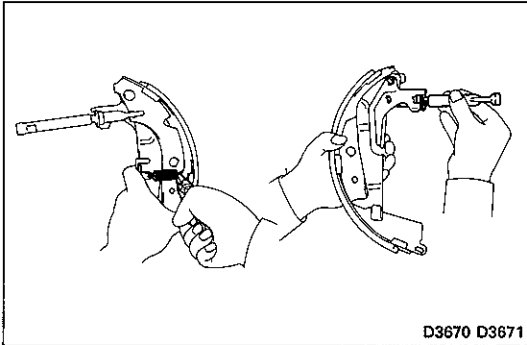
- Using SST, remove the front shoe hold-down spring, cups and pin.

SST 09718-00010



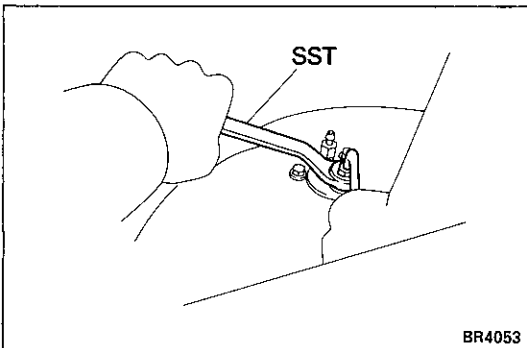


- (b) Remove the front shoe with adjuster.
- (c) Disconnect the parking brake cable from the front shoe.



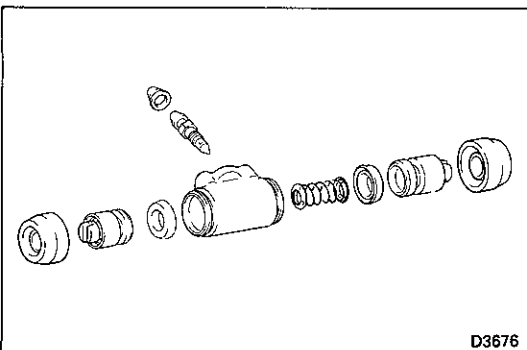
4. REMOVE ADJUSTER FROM FRONT SHOE

- (a) Remove the adjusting lever spring.
- (b) Remove the adjuster.
- (c) (2WD – LHD)
Remove the return spring from the adjuster.



5. IF NECESSARY, REMOVE AND DISASSEMBLE WHEEL CYLINDER

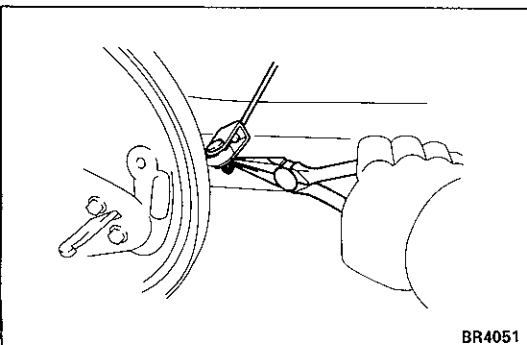
- (a) Using SST, disconnect the brake tube.
SST 09751-36011
- (b) Remove two bolts and the wheel cylinder.



6. DISASSEMBLE WHEEL CYLINDER

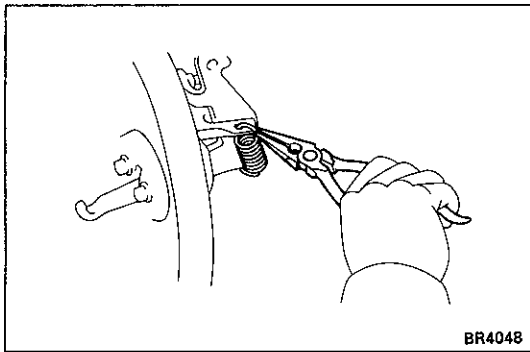
Remove the following parts from the wheel cylinder.

- Two boots
- Two pistons
- Two piston cups
- Spring

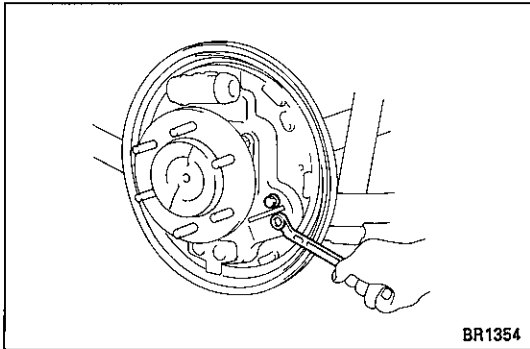


7. IF NECESSARY, REMOVE AND DISASSEMBLE PARKING BRAKE BELLCRANK ASSEMBLY

- (a) Remove the clip.
- (b) Remove the pin and wave washer, then disconnect the parking brake cable.

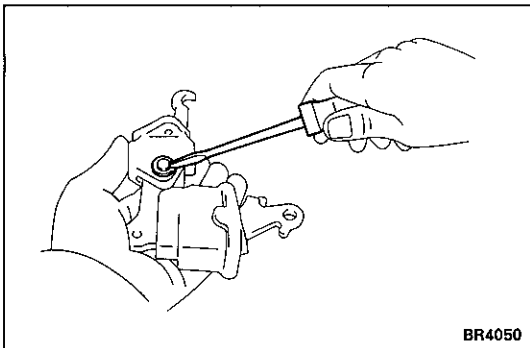


(c) Remove the tension spring.



(d) Remove the two bolts and parking brake bellcrank assembly.

(e) Remove the boot from the parking brake bellcrank bracket.



(f) Using a screwdriver, remove the C-washer and pin.

(g) Remove the parking brake bellcrank from the crank bracket.

(h) Remove the boot.

INSPECTION OF REAR BRAKE COMPONENTS

1. INSPECT WHEEL CYLINDER FOR CORROSION OR DAMAGE
2. INSPECT BACKING PLATE FOR WEAR OR DAMAGE
3. INSPECT BELLCRANK PARTS FOR BENDING, WEAR OR DAMAGE

4. MEASURE BRAKE SHOE LINING THICKNESS

Minimum thickness: 1.0 mm (0.039 in.)

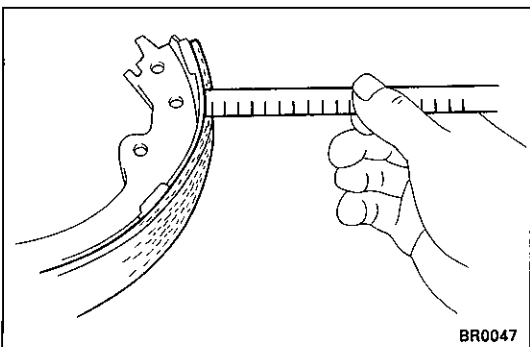
Standard thickness:

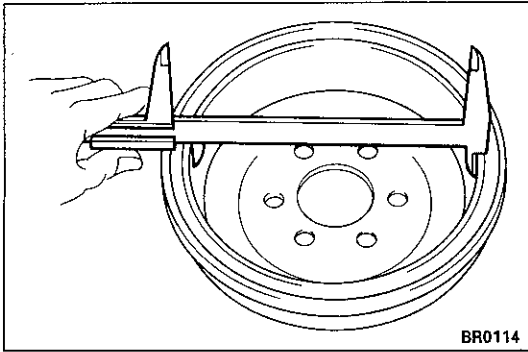
4WD 6.0 mm (0.236 in.)

2WD – LHD 5.5 mm (0.217 in.)

If the shoe lining is less than minimum or shows signs of uneven wear, replace the brake shoes.

HINT: If any of the brake shoes have to be replaced, replace all of the rear brake shoes in order to maintain even braking.



**5. MEASURE BRAKE DRUM INSIDE DIAMETER**

Maximum inside diameter:

4WD 297.0 mm (11.693 in.)

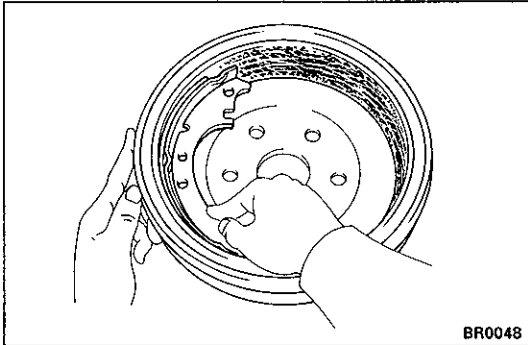
2WD – LHD 272.0 mm (10.709 in.)

Standard inside diameter:

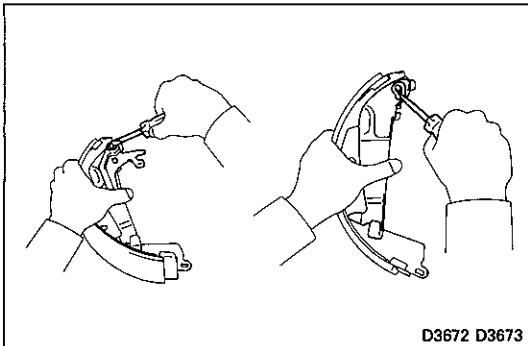
4WD 295.0 mm (11.614 in.)

2WD – LHD 270.0 mm (10.630 in.)

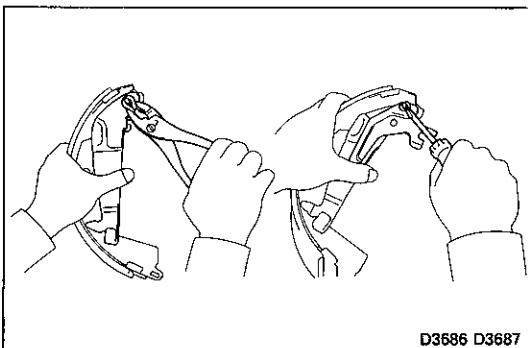
If the drum is scored or worn, the brake drum may be lathed to the maximum inside diameter.

**6. INSPECT BRAKE LINING AND DRUM FOR PROPER CONTACT**

Replace the brake shoe or lathe the brake drum as necessary.

**7. IF NECESSARY, REPLACE BRAKE SHOES**

- (a) Using a screwdriver, remove the automatic adjusting lever from the front shoe.
- (b) Using a screwdriver, remove the parking brake shoe lever from the front shoe.

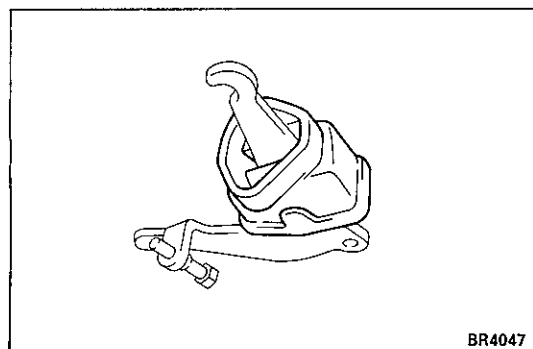
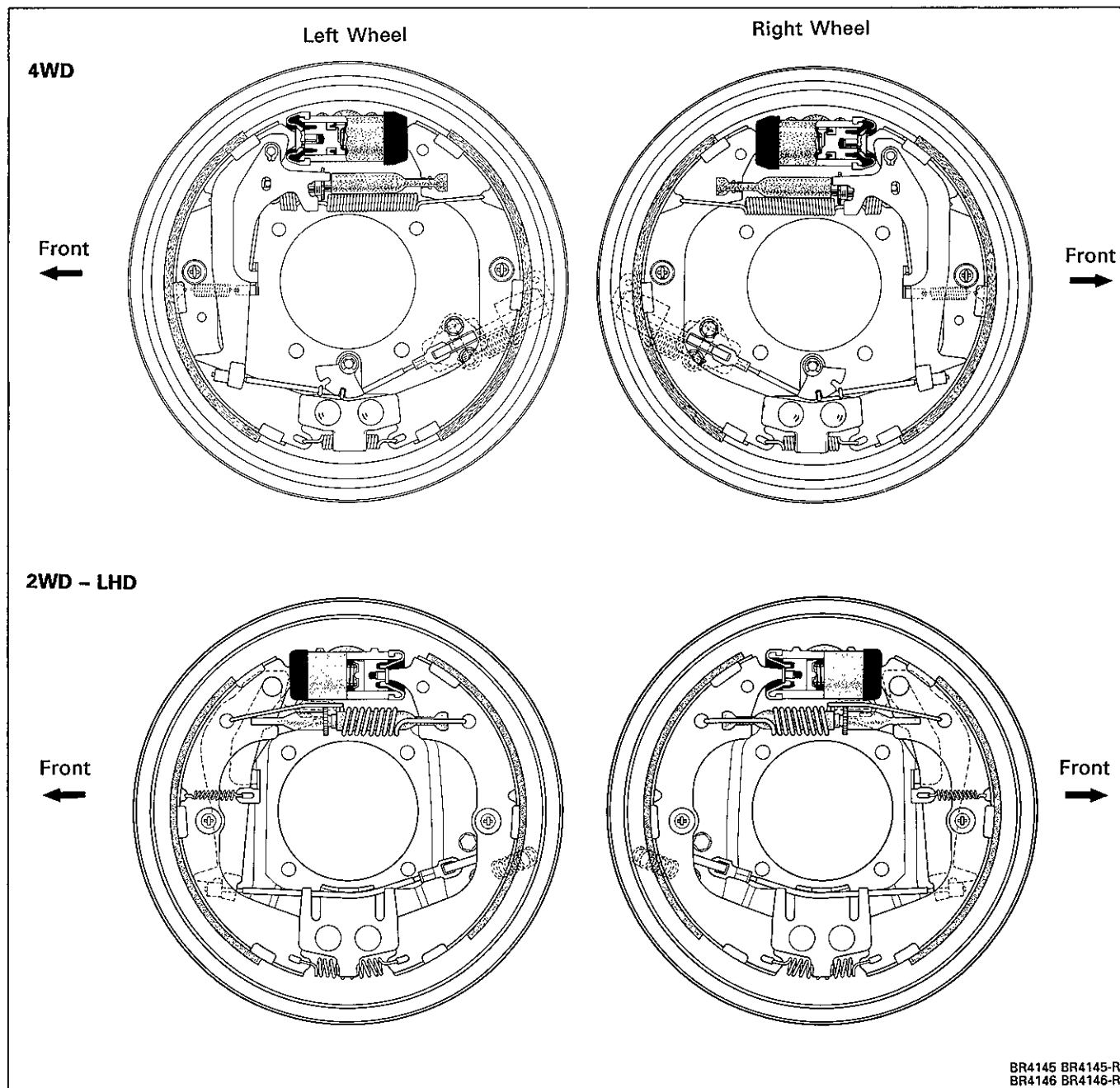


- (c) Using pliers, install the parking brake shoe lever with a new C-washer.
- (d) Install the automatic adjusting lever with an E-ring.

ASSEMBLY OF REAR BRAKE

(See page BR-85)

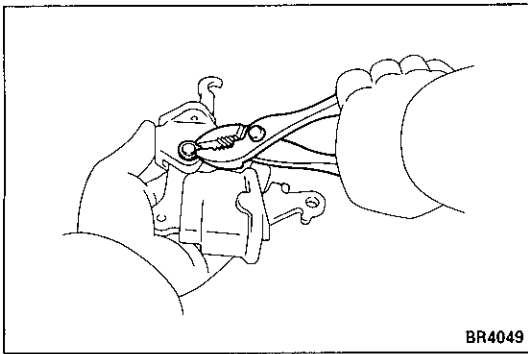
HINT: Assemble the parts in the correct direction as shown below.



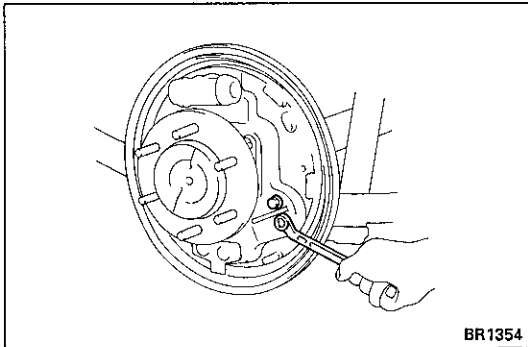
BR4047

1. IF NECESSARY, ASSEMBLE AND INSTALL PARKING BRAKE BELLCRANK ASSEMBLY

- (a) Apply lithium soap base glycol grease to the boot.
- (b) Install the boot to the parking brake bellcrank.



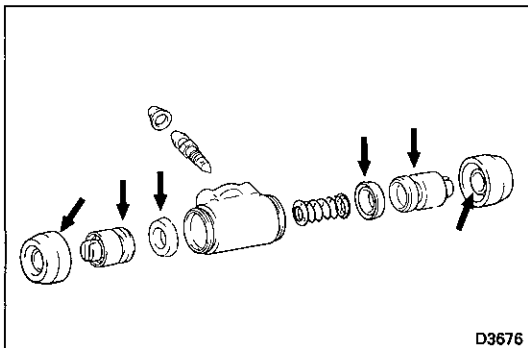
- (c) Install the parking brake bellcrank to the bellcrank bracket.
- (d) Install the pin with the new C-washer.



- (e) Install the parking brake bellcrank assembly on the backing plate with two bolts.
- (f) Torque the bolts.

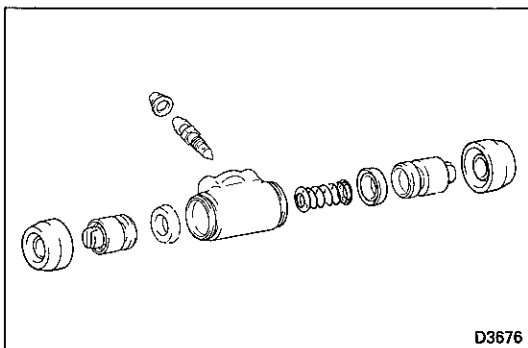
Torque: 130 kg-cm (9 ft-lb, 13 N·m)

- (g) Connect the parking brake cable to the bellcrank assembly with the pin, wave washer and clip.



2. IF NECESSARY, ASSEMBLE AND INSTALL WHEEL CYLINDER

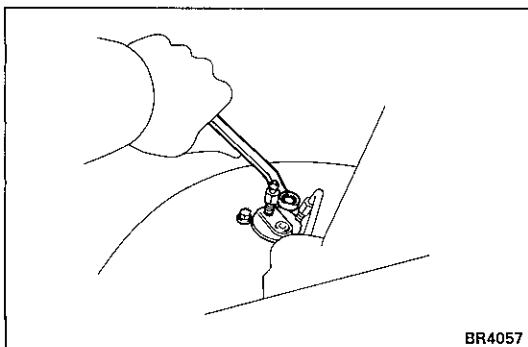
- (a) Apply lithium soap base glycol grease to the piston cups, pistons and boots.



- (b) Install the spring and two piston cups in the wheel cylinder.

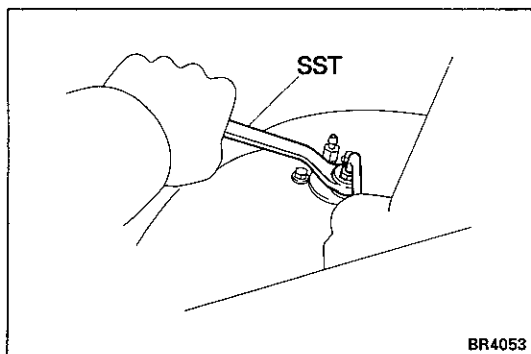
HINT: Make sure flanges of the cups are pointed inward.

- (c) Install the two pistons, boots and spring in the cylinder.



- (d) Install the wheel cylinder on the backing plate with two bolts.

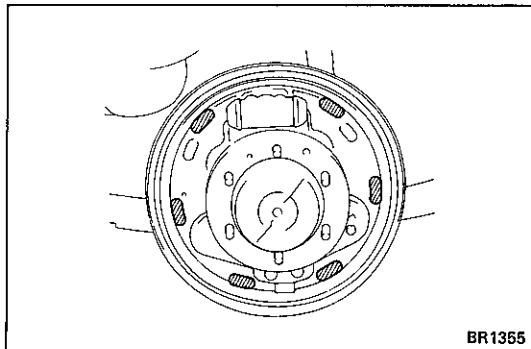
Torque: 100 kg-cm (7 ft-lb, 10 N·m)



(e) Using SST, connect the brake tube.

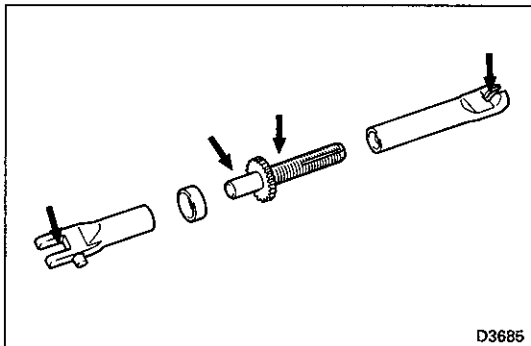
SST 09751-36011

Torque: 155 kg-cm (11 ft-lb, 15 N-m)



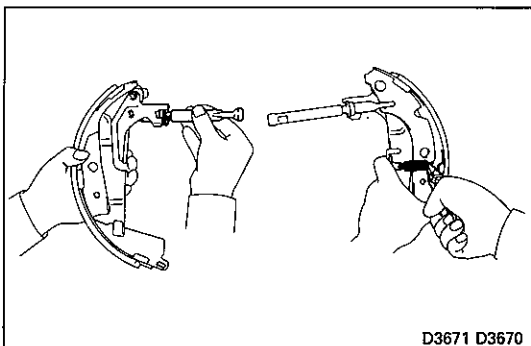
3. APPLY HIGH TEMPERATURE GREASE TO BACKING PLATE AS SHOWN

Apply high temperature grease to the sliding surfaces of the shoe.



4. APPLY HIGH TEMPERATURE GREASE TO ADJUSTER

Apply high temperature grease to the adjuster bolt threads and ends.



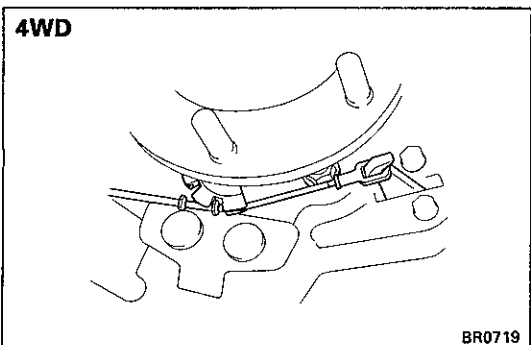
5. INSTALL ADJUSTER TO FRONT SHOE

(a) (2WD – LHD)

Install the return spring to the adjuster.

(b) Install the adjuster to the adjusting lever.

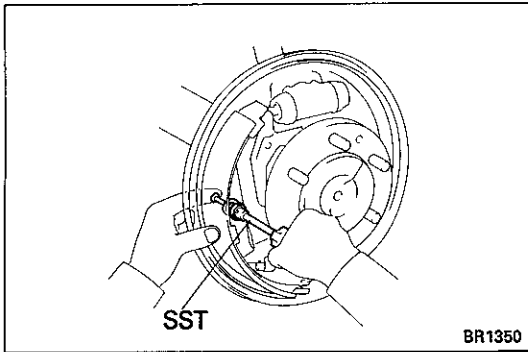
(c) Install the adjusting lever spring.



6. INSTALL FRONT SHOE

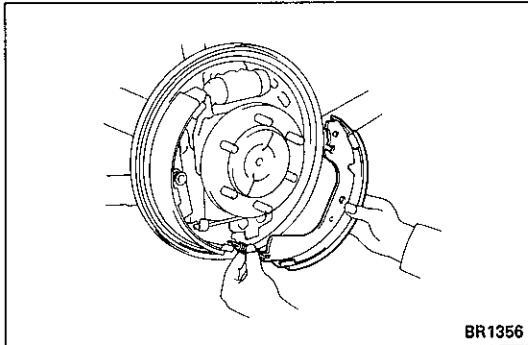
(a) Install parking brake cable to the parking brake lever.

(b) Install the parking brake cable to the bellcrank as shown.



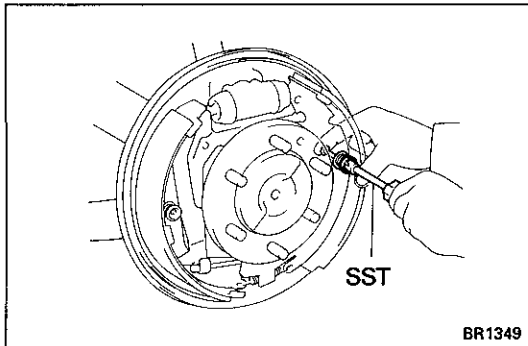
- (c) Set the front shoe in place with the end of the shoe inserted in the piston.
- (d) Using SST, install the shoe hold-down spring, cups and pin.

SST 09718-00010



7. INSTALL REAR SHOE

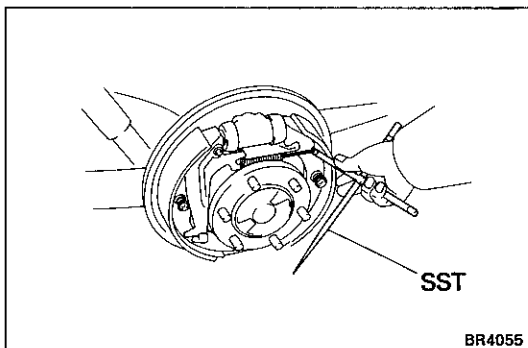
- (a) Install the anchor spring to the front shoe and rear shoe.



- (b) Set the rear shoe in place with the end of the shoe inserted in the piston.

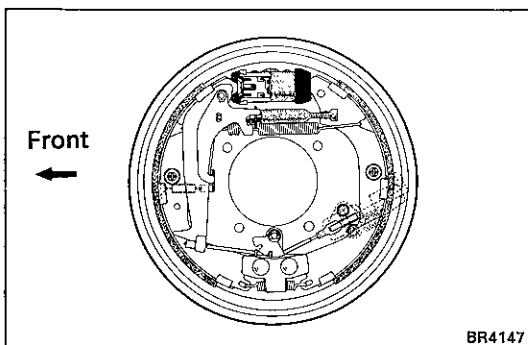
- (c) Using SST, install the shoe hold-down spring, cups and pin.

SST 09718-00010



- (d) Using SST, install the return spring.

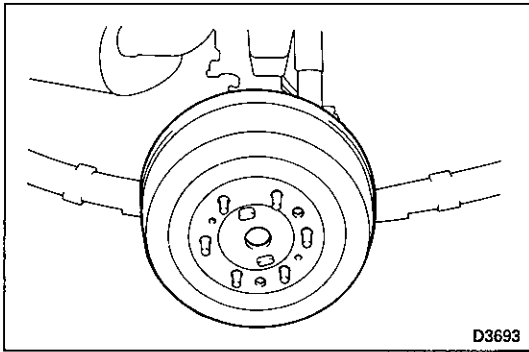
SST 09703-30010



8. CHECK OPERATION OF AUTOMATIC ADJUSTER MECHANISM

- (a) Pull the adjusting cable backward as shown, and release. Check that the adjusting bolt turns.

If the bolt does not turn, check for incorrect installation of the rear brakes.



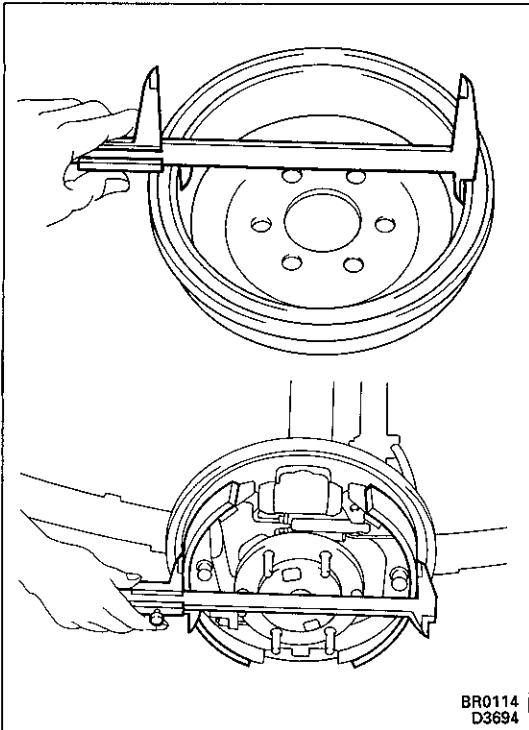
- (b) Adjust the adjuster to the shortest possible length.
- (c) Install the brake drum.
- (d) Pull the parking brake lever all the way up and down until a clicking sound can no longer be heard.

9. CHECK CLEARANCE BETWEEN BRAKE SHOES AND DRUM

- (a) Remove the brake drum.
- (b) Measure the brake drum inside diameter and diameter of the brake shoes. Check that the difference between the diameters is the correct shoe clearance.

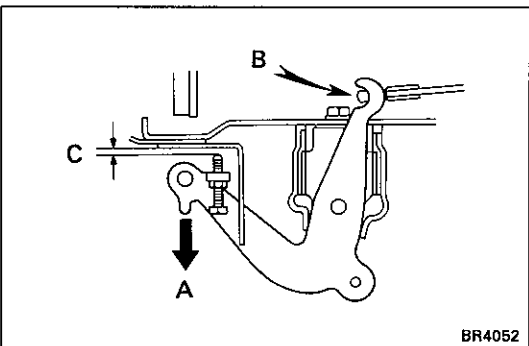
Shoe clearance: 0.6 mm (0.024 in.)

If incorrect, check the parking brake system.



10. IF NECESSARY, ADJUST BELLCRANK

- (a) Lightly pull the bellcrank in direction A until there is no slack at part B.
- (b) In this condition, turn the adjusting bolt so that dimension C will be 0.4 – 0.8 mm (0.016 – 0.031 in.).
- (c) Lock the adjusting bolt with the lock nut.



- (d) Connect the parking brake cable No.2 to the bellcrank.
- (e) Install the tension spring.

11. INSTALL BRAKE DRUM AND REAR WHEEL

12. FILL BRAKE RESERVOIR WITH BRAKE FLUID AND BLEED BRAKE SYSTEM (See page BR-7)

13. CHECK FOR FLUID LEAKAGE

