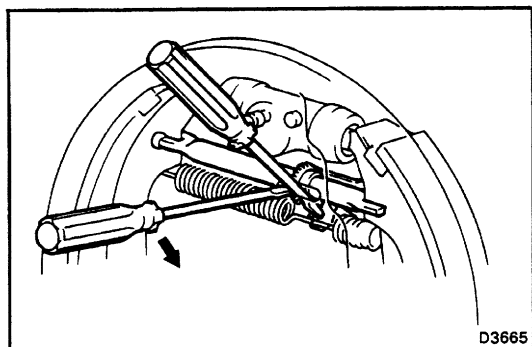
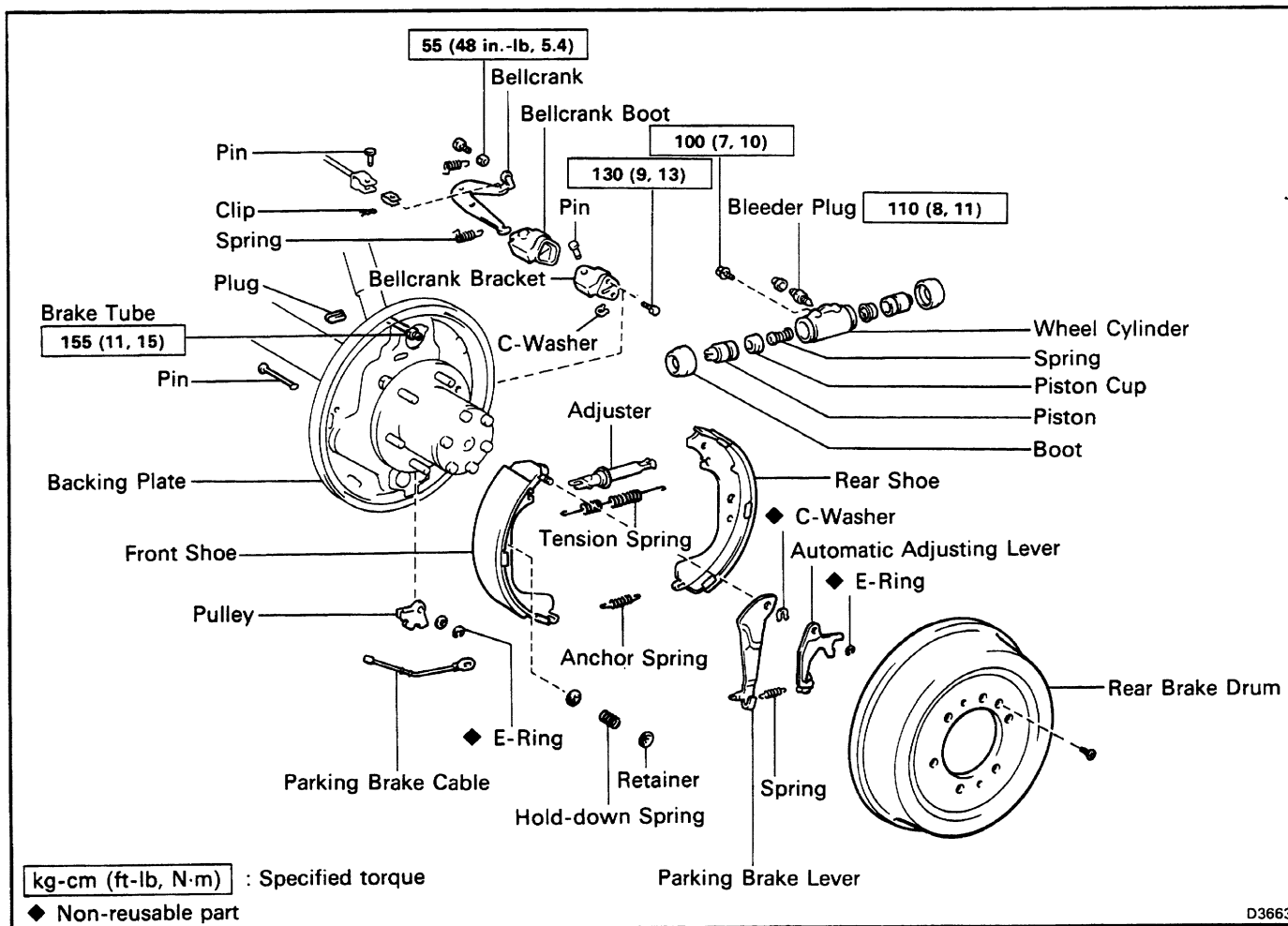


REAR BRAKE COMPONENTS



REMOVAL OF REAR BRAKE

1. REMOVE REAR WHEEL AND BRAKE DRUM

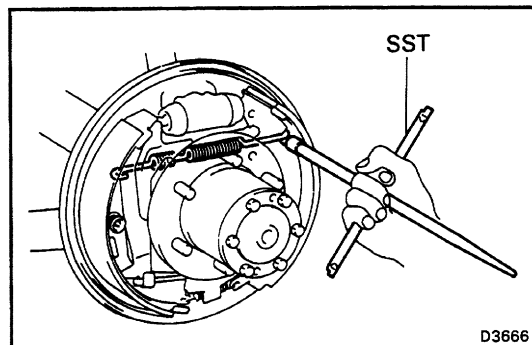
HINT: If the brake drum cannot be removed easily, perform the following.

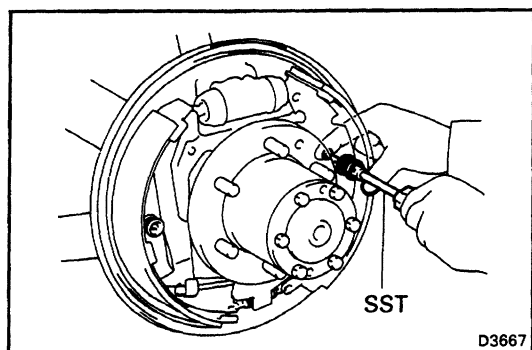
- Insert a screwdriver through the hole in the backing plate, and hold the automatic adjusting lever away from the adjusting bolt.
- Using another screwdriver, reduce the brake shoe adjustment by turning the adjusting bolt clockwise.

2. REMOVE REAR SHOE

- Using SST, remove the tension spring.

SST 09703-30010

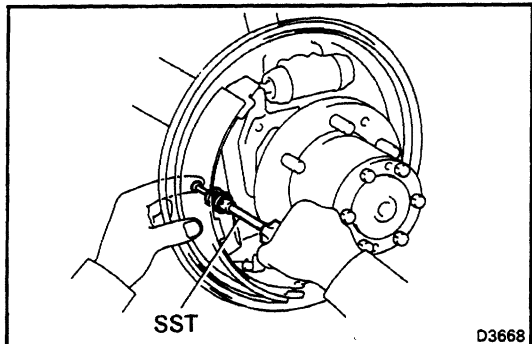




- (b) Using SST, remove the rear shoe hold-down spring and pin.

SST 09718-00010

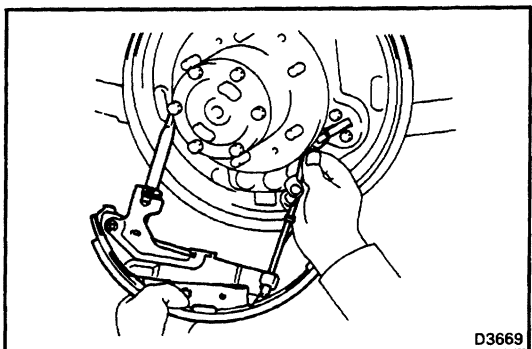
- (c) Remove the rear brake shoe and anchor spring.



3. REMOVE FRONT SHOE

- (a) Using SST, remove the hold-down spring and pin.

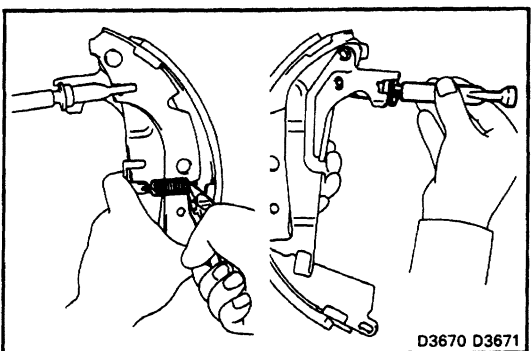
SST 09718-00010



- (b) Disconnect the parking brake cable from the parking brake bellcrank.

- (c) Remove the front shoe with adjuster.

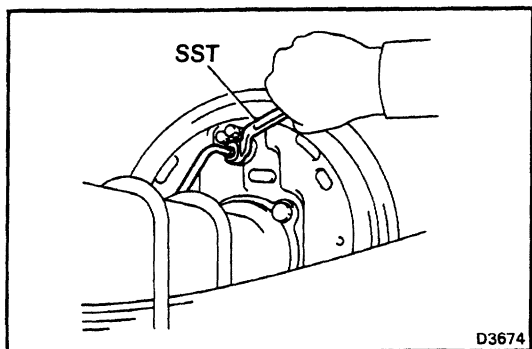
- (d) Disconnect the parking brake cable from the front shoe.



4. REMOVE ADJUSTING FROM FRONT SHOE

- (a) Remove the adjusting lever spring.

- (b) Remove the adjuster.

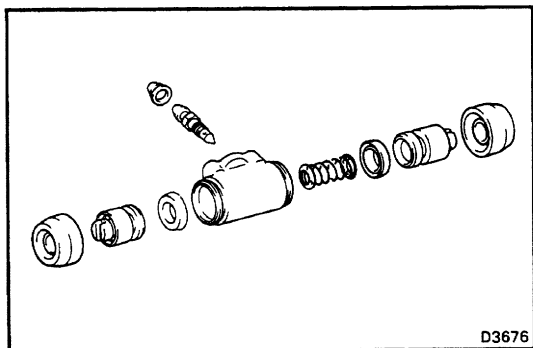


5. IF NECESSARY, REMOVE AND DISASSEMBLE WHEEL CYLINDER

- (a) Using SST, disconnect the brake tube.

SST 09751-36011

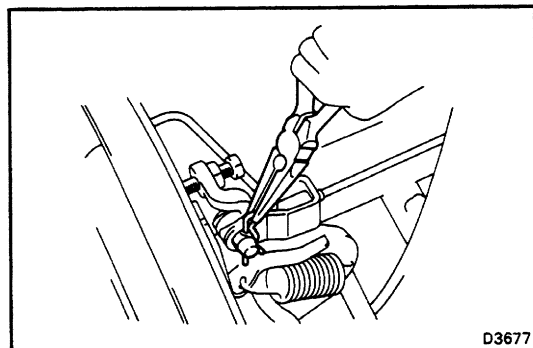
- (b) Remove the two bolts and the wheel cylinder.



6. DISASSEMBLE WHEEL CYLINDER

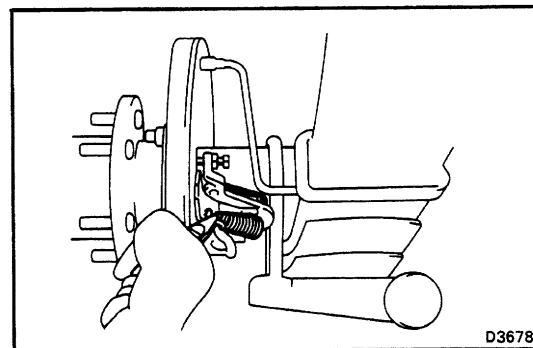
Remove the following parts from the wheel cylinder.

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

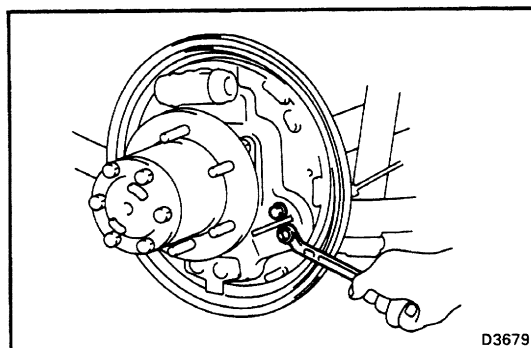


7. IF NECESSARY, REMOVE AND DISASSEMBLE PARKING BRAKE BELLCRANK ASSEMBLY

(a) Remove the clip and disconnect the parking brake cable.

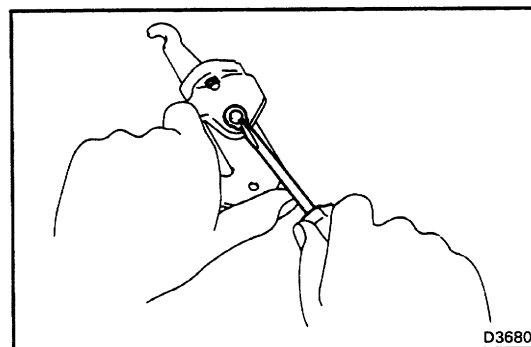


(b) Remove the two tension springs.



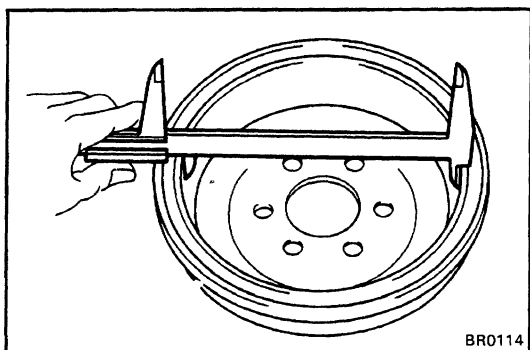
(c) Remove the parking brake bellcrank assembly with the two bolts.

(d) Remove the boot from the parking brake bellcrank assembly.



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

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



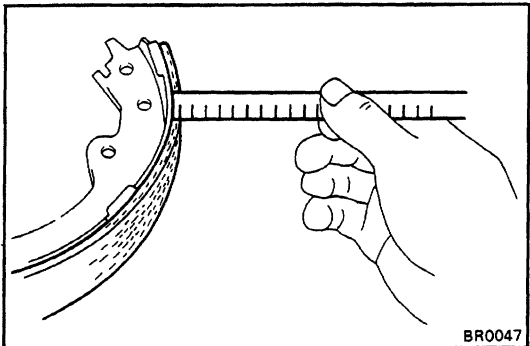
INSPECTION OF REAR BRAKE COMPONENTS

1. MEASURE BRAKE DRUM INTERNAL DIAMETER

Standard internal diameter: 295.0 mm (11.614 in.)

Maximum internal diameter: 297.0 mm (11.693 in.)

If the drum is scoured or worn, the brake drum may be lathed to the maximum internal diameter.



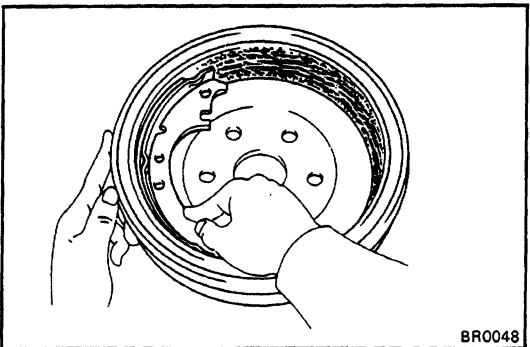
2. MEASURE BRAKE SHOE LINING THICKNESS

Standard thickness: 6.5 mm (0.265 in.)

Minimum thickness: 1.5 mm (0.059 in.)

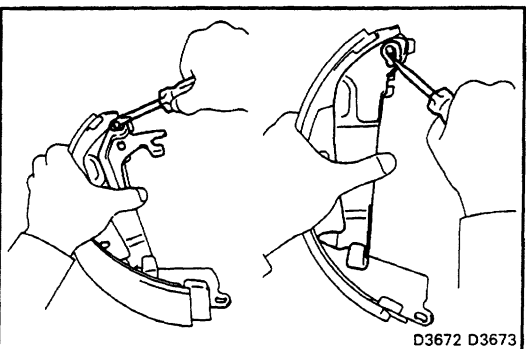
If the shoe lining is less than minimum or shows signs of uneven wear, replace the brake shoes.

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



3. INSPECT BRAKE LINING AND DRUM FOR PROPER CONTACT

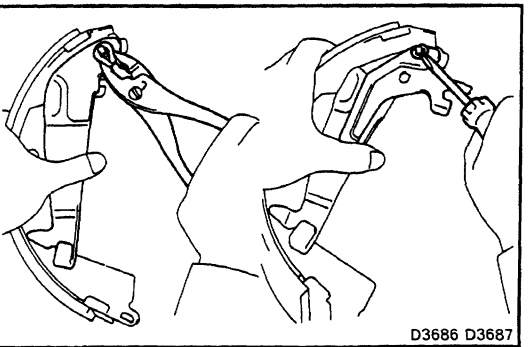
If the contact between the brake lining and drum is improper, repair the lining with a brake shoe grinder, or replace the brake shoe assembly.



4. 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 lever from the front shoe.



(c) Using pliers, install the parking brake lever with a new C-washer.

(d) Install the automatic adjusting lever with a new E-ring.

5. INSPECT WHEEL CYLINDER FOR CORROSION OR DAMAGE

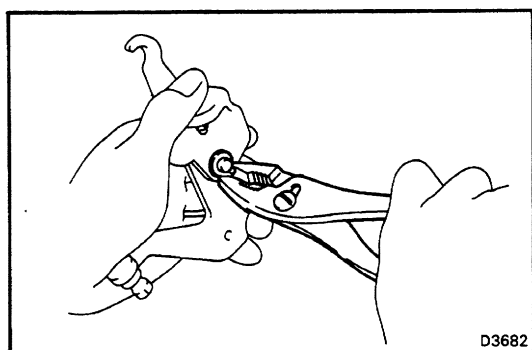
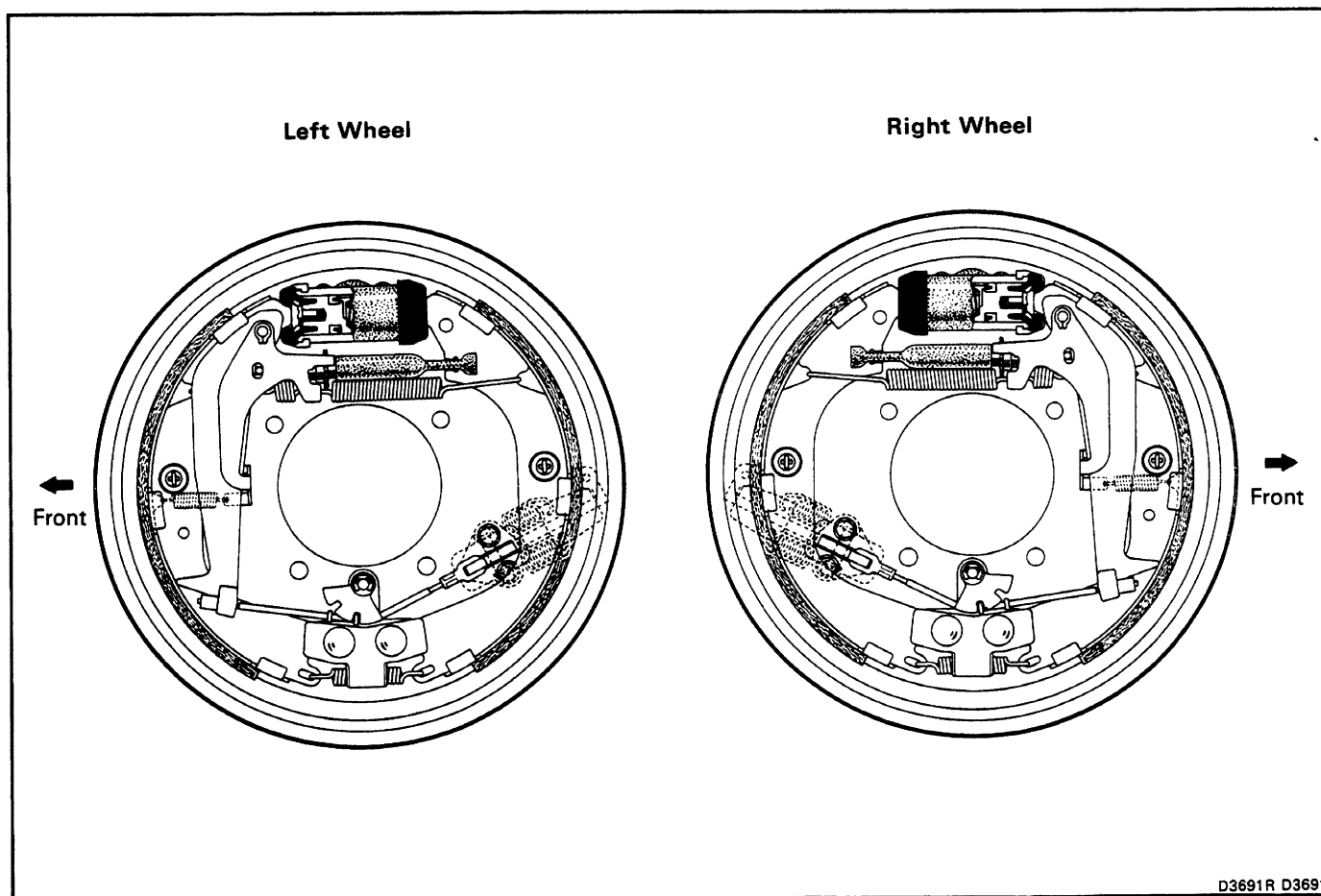
6. INSPECT BACKING PLATE FOR WEAR DAMAGE

7. INSPECT BELLCRANK PARTS FOR BENDING, WEAR OR DAMAGE

ASSEMBLY OF REAR BRAKES

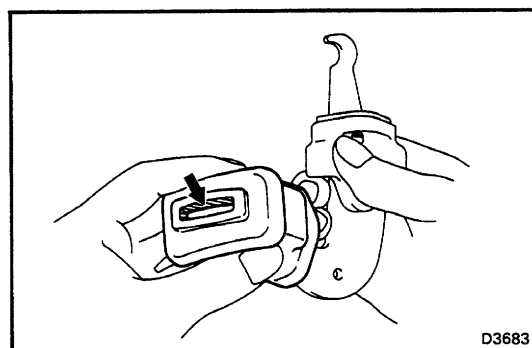
(See page [BR-19](#))

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

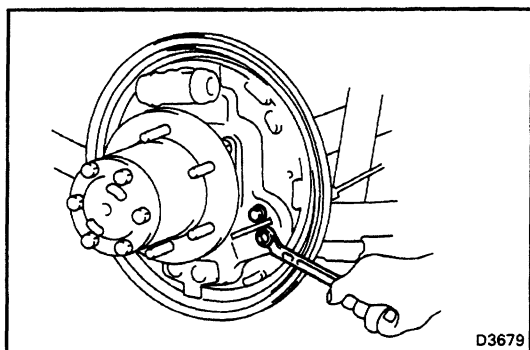


1. IF NECESSARY, ASSEMBLE AND INSTALL PARKING BRAKE BELLCRANK ASSEMBLY

- (a) Install the parking brake bellcrank to the crank bracket.
- (b) Install the pin with a new C-washer.



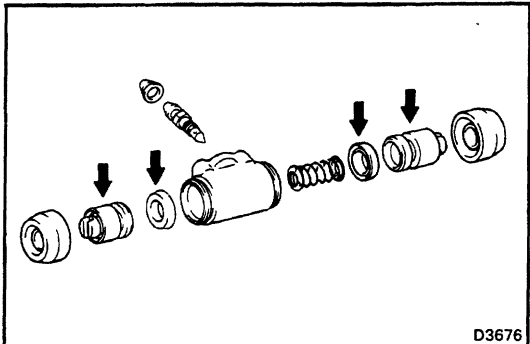
- (c) Apply lithium soap base glycol grease to the bolt.



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

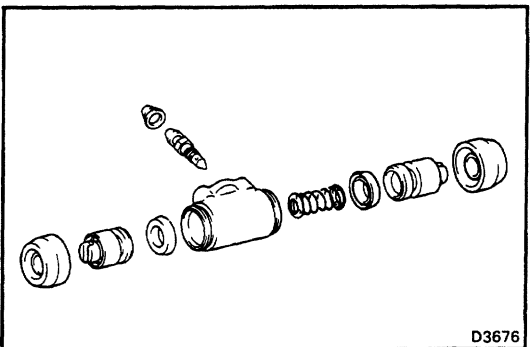
- (e) Torque the bolts.

Torque: 130 kg-cm (9 ft-lb, 13 N-m)



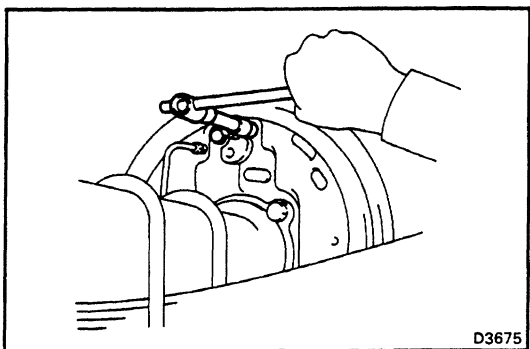
2: IF NECESSARY, ASSEMBLE AND INSTALL WHEEL - CYLINDER

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



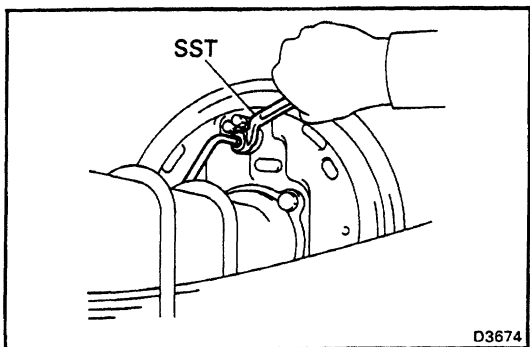
- (b) Install the spring and two piston cups in the wheel cylinder. Make sure flanges of the cups are pointed inward.

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



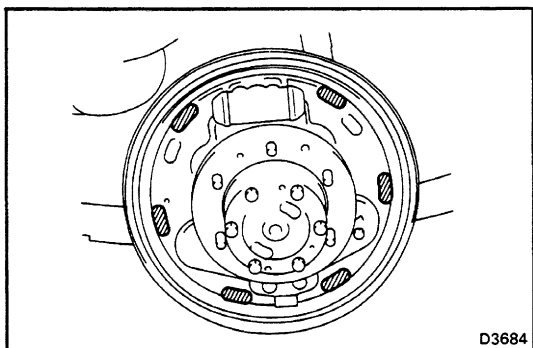
- (d) Install the wheel cylinder on the backing plate with two bolts.

Torque: 100 kg-cm (7 ft-lb, 10 N-m)

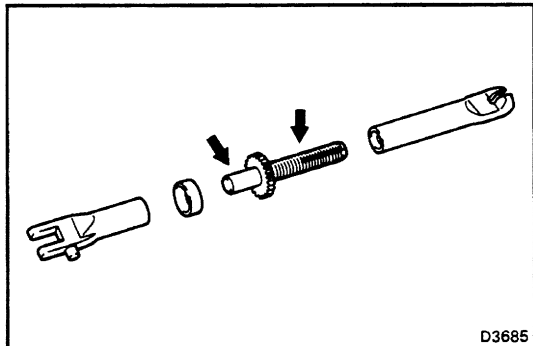


- (e) Using SST, connect the brake line.
SST 09751-36011

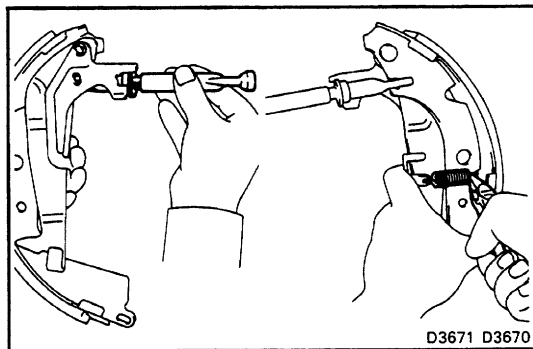
Torque: 155 kg-cm (11 ft-lb, 15 N-m)

**3. APPLY GREASE ON BACKING PLATE, AS SHOWN**

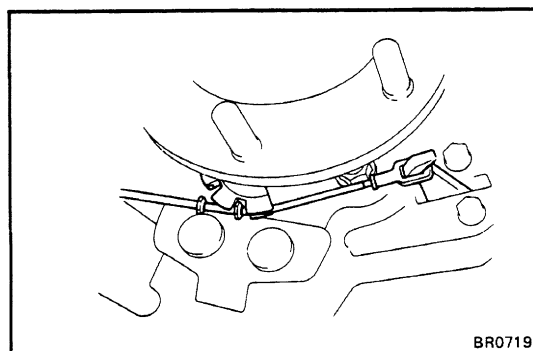
Use high-temperature type grease.

**4. APPLY GREASE TO ADJUSTER BOLT THREADS AND END**

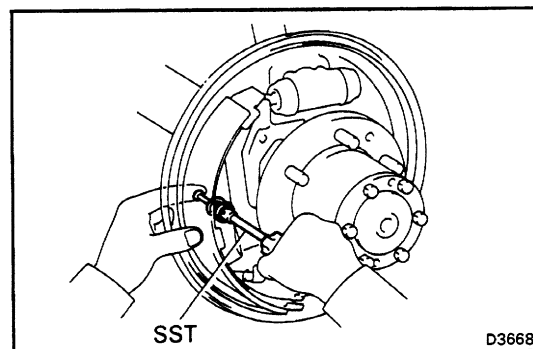
Use high-temperature type grease.

**5. INSTALL ADJUSTER TO FRONT SHOE**

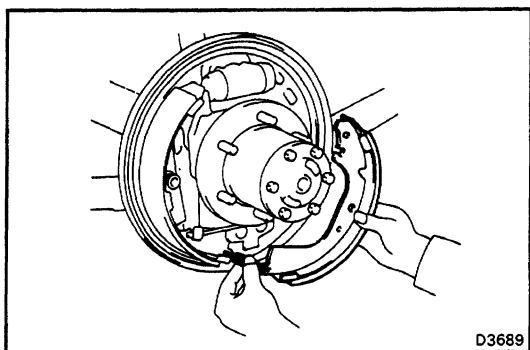
- (a) Install the adjuster to the adjust lever.
- (b) Install the adjust lever spring.

**6. INSTALL FRONT SHOE**

- (a) Install the parking brake cable to the parking brake shoe lever.
- (b) Install the parking cable to the bellcrank as shown.

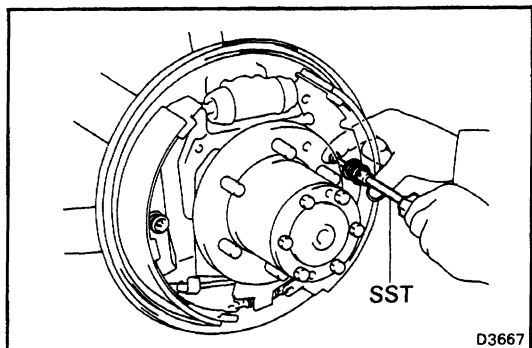


- (c) Set the front shoe in place with the end of the shoe inserted in the piston.
- (d) Using SST, install the shoe hold-down spring pin.
SST 09718-00010



7. INSTALL REAR SHOE

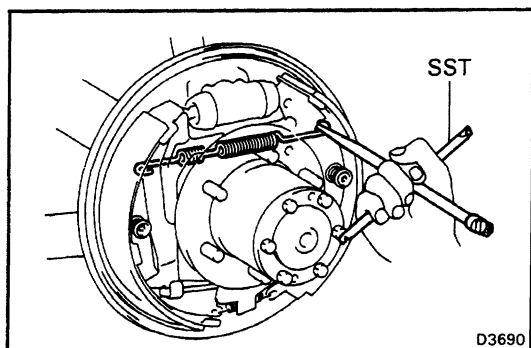
- (a) Install the anchor spring to the front shoe and rear shoe.



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

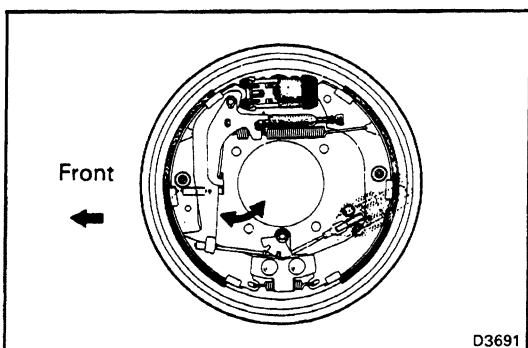
- (c) Using SST, install the shoe hold-down spring and pin.

SST 09718-00010



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

SST 09703-30010

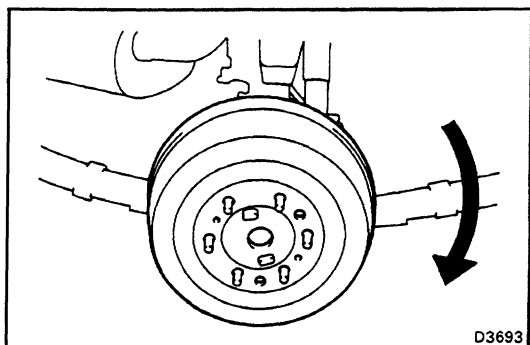


8. CHECK OPERATION OF AUTOMATIC ADJUSTER MECHANISM

- (a) Pull the parking brake cable backward as shown, and release.

Check that the adjusting bolt turns.

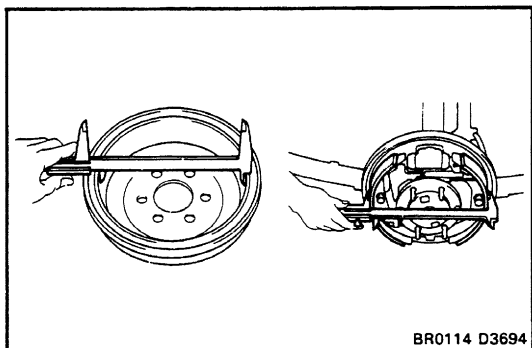
If the bolt does not turn, check for incorrect installation of the rear brakes.



- (b) Adjust the adjuster to the shortest possible length.

- (c) Install the drum.

- (d) Turn the brake drum in the reverse direction and depress the brake pedal. Repeat this procedure several times.

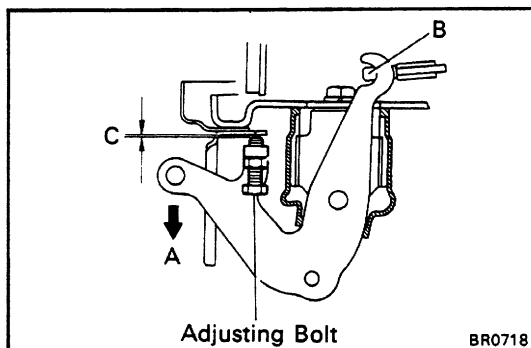


9. CHECK CLEARANCE BETWEEN BRAKE SHOES AND DRUM

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

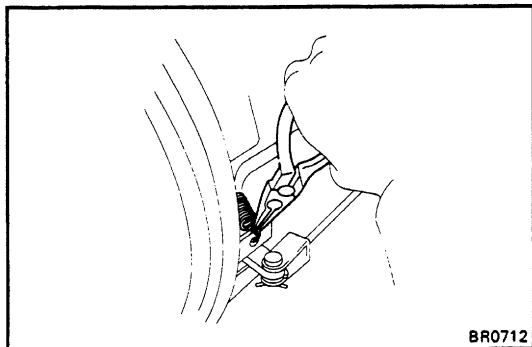
Shoe clearance: 0.6 mm (0.024 in)

If incorrect, check the parking brake system.



10. IF NECESSARY, ADJUST BELLCRANK

- (a) Lightly pull 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 adjust bolt with the lock nut.



- (d) Connect the No.2 parking brake cable 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-6](#))