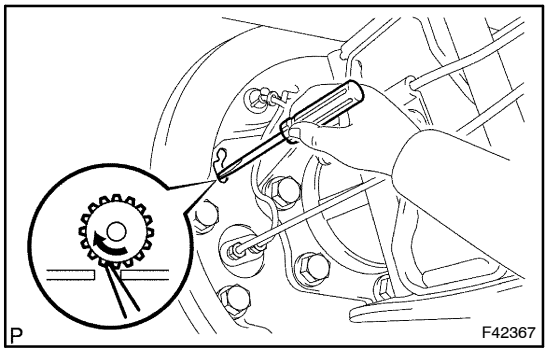
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OVERHAUL

1. REMOVE REAR TIRE



2. REMOVE REAR BRAKE DRUM

(a) Remove the axle shaft (See pages 30–72 and 30–75).

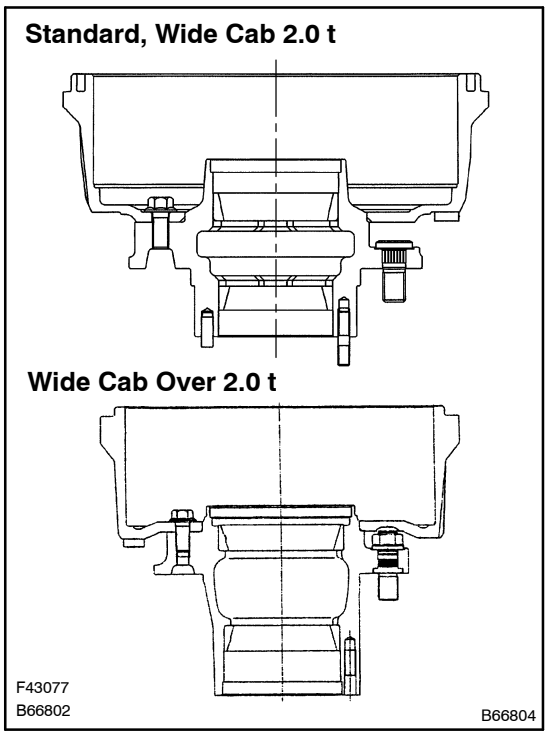
(b) Remove the drum together with the axle hub (See pages 27–3 and 27–11).

HINT:

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

Insert a screwdriver through the hole in the backing plate, and reduce the brake shoe adjustment volume by turning the adjusting nut.

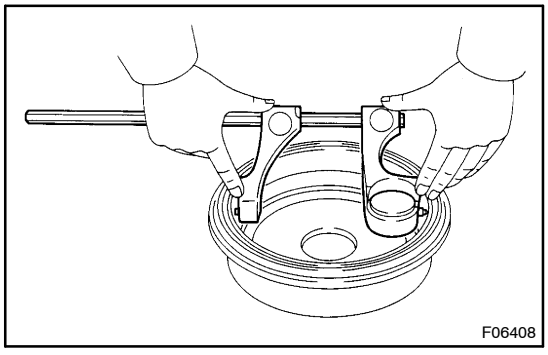
(c) Place matchmarks on the axle hub and the drum.



(d) Remove the bolts and retainer ring, and separate the drum from the axle hub.

HINT:

Bolts inserting directionare shown in the illustration.



3. INSPECT BRAKE DRUM INSIDE DIAMETER

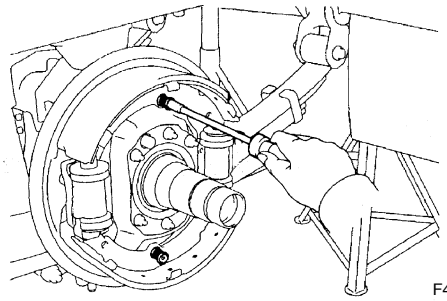
(a) Using a brake drum gauge or equivalent, measure the inside diameter of the drum.

Inside diameter:

Standard	320 mm (12.598 in.)
Maximum	322 mm (12.677 in.)

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

Standard Cab, Wide Cab 2.0 t



F43063

4. REMOVE BRAKE SHOES

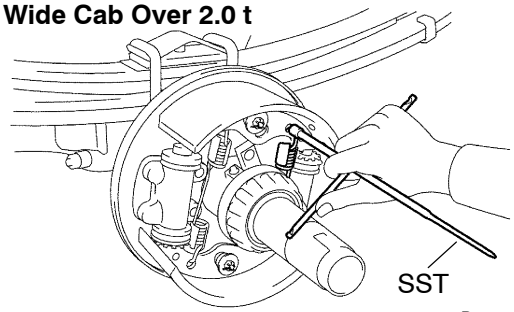
(a) Standard cab, wide cab 2.0 t:

(1) Using SST, remove the shoe hold–down pins, cups and springs.

SST 09718–00010

(2) Remove the 2 brake shoes.

Wide Cab Over 2.0 t



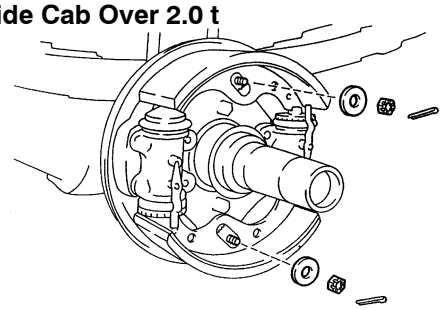
P B68961

(b) Wide cab over 2.0 t:

(1) Using SST, remove the 2 return springs.

SST 09703–30010

Wide Cab Over 2.0 t



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(c) Wide cab over 2.0 t:

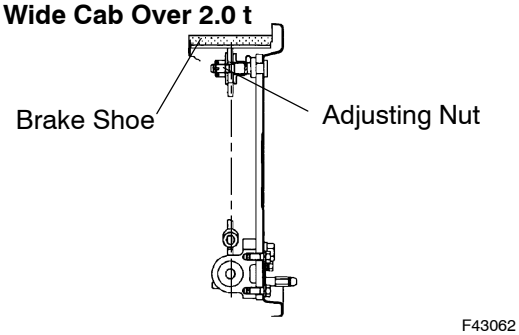
(1) Remove the brake shoe.

(2) Remove the cotter pin from each shoe.

(3) Remove the nut and plate washer from each shoe.

(4) Remove the 2 brake shoes.

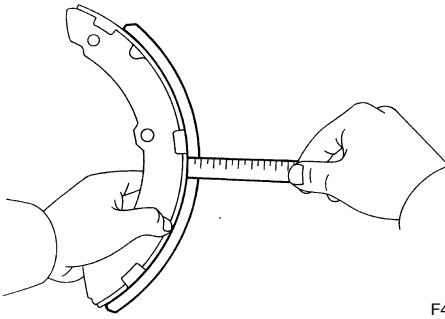
Wide Cab Over 2.0 t



F43062

NOTICE:

- **Do not loosen the adjusting nuts.**
- **The adjusting nuts have been adjusted the shoe squareness.**



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5. INSPECT REAR DRUM BRAKE SHOE LINING THICKNESS

(a) Using a ruler, measure the shoe lining thickness.

Minimum thickness: 4.0 mm (0.157 in.)

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

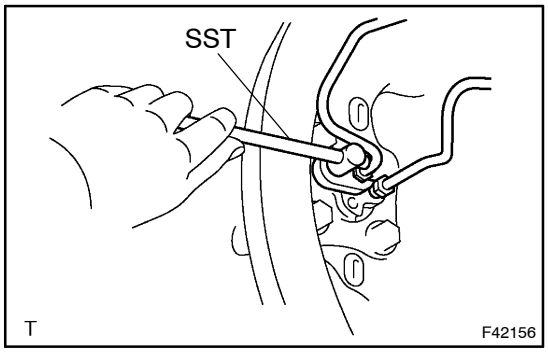
HINT:

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

6. INSPECT BRAKE DRUM AND REAR DRUM BRAKE SHOE LINING FOR PROPER CONTACT

(a) Apply chalk to the inside of the drum, and slide the brake shoe along the surface so that the shoe can fit.

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



7. REMOVE LH, FRONT OR UPPER REAR WHEEL BRAKE CYLINDER ASSY

(a) Remove the brake line clamp.

(b) Using SST, disconnect the brake line from the wheel cylinders. Use a container to catch the brake fluid.
SST 09023–00100

(c) Remove the 2 bolts and wheel cylinder.

8. REMOVE LH, REAR OR LOWER REAR WHEEL BRAKE CYLINDER ASSY

HINT:

Remove the cylinder assy on the rear or lower side using the same procedures as on the front or upper side.

9. REMOVE REAR WHEEL CYLINDER CUP KIT

(a) Remove the piston head, adjuster wheel and the boot.

(b) Remove the piston assembly.

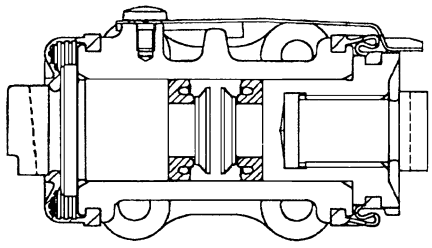
(c) Remove the adjuster and shaft assembly.

(d) Front side wheel cylinder only:
Remove the bleeder plug.

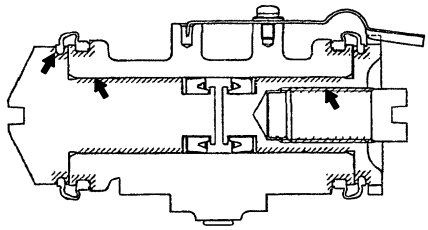
10. INSPECT BRAKE WHEEL CYLINDER

(a) Check the wheel cylinder for wear, rust or scoring.

Standard Cab, Wide Cab 2.0 t



Wide Cab Over 2.0 t (Except Portugal)



11. INSTALL REAR WHEEL CYLINDER CUP KIT

(a) Apply lithium soap base glycol grease to new parts indicated by the arrows as shown in the illustration.

(b) Apply brake fluid to the inner surface of the cylinder.

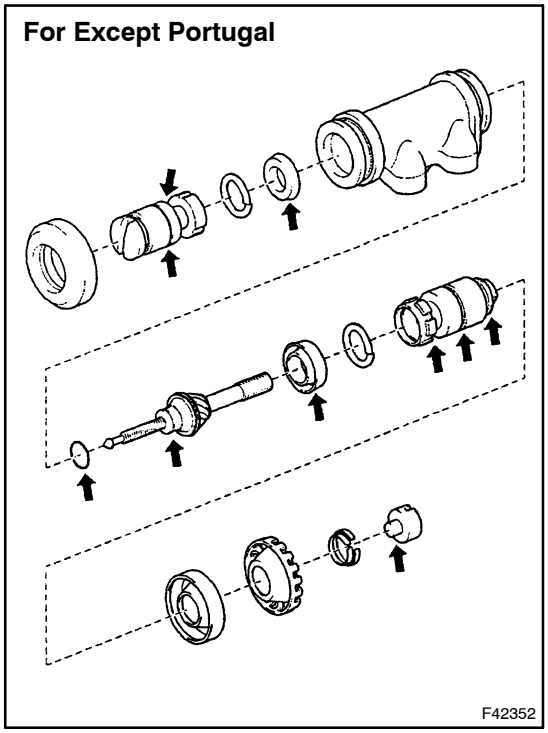
(c) Except Portugal type:
Install the piston back–up ring.

(d) Install the cup, paying attention to its orientation.

(e) Except portugal type:
(1) Insert the adjuster shaft assembly into the piston.

NOTICE:

Screw the assembly all the way so the thread does not catch.

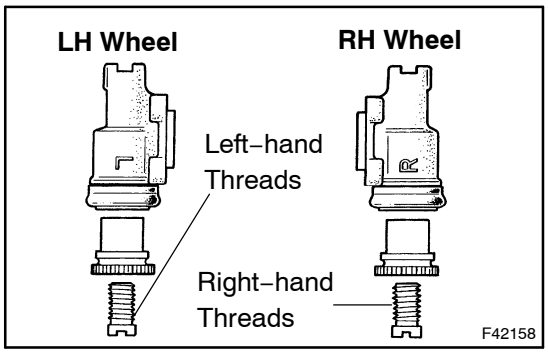


(f) Insert the piston assembly into the wheel cylinder.
(g) Install the 2 boots.
(h) Install the piston head, boot protector and adjuster wheel.

NOTICE:

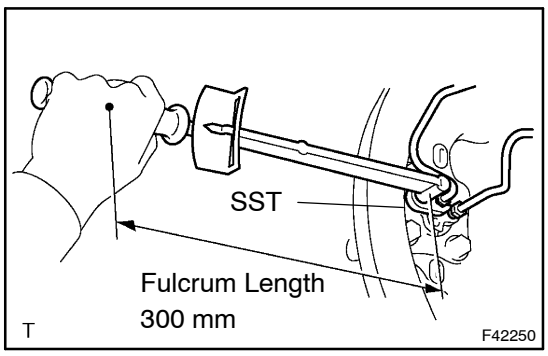
- **Install the piston head according to the orientation of the brake shoe, and store it securely inside the piston.**
- **Install the adjuster wheel and the boot protector in the correct installation sequence and according to the width of the two piston sides.**

If they have been removed, screw them all the way into the adjuster shaft for proper installation.



HINT:
There are 2 kinds of adjusting nuts and bolts.
Make sure that each location has its correct adjusting nuts and bolts.

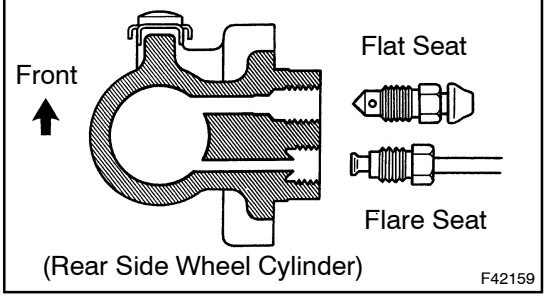
RH wheel (R mark) – Right–hand threads
LH wheel (L mark) – Left–hand threads



12. INSTALL LH, FRONT OR UPPER REAR WHEEL BRAKE CYLINDER ASSY

(a) Apply brake grease to the shoe contact part of the backing plate.
(b) Install the bolt and wheel cylinder.
Torque:
26 N·m (265 kgf·cm, 19 ft·lbf) for normal cab 2.0 t Australia 195/75R 15 tyre.
Torque:
61 N·m (622 kgf·cm, 45 ft·lbf) for normal cab except 195/75R 15 tyre, and wide cab 2.0 t.
(c) Using SST, connect the brake line to the wheel cylinder.
SST 09023–00100
Torque:
12.9 N·m (131 kgf·cm, 9.4 ft·lbf) for use with SST
15 N·m (155 kgf·cm, 11 ft·lbf)

HINT:
Use a torque wrench with a fulcrum length of 300 mm (11.81 in.).



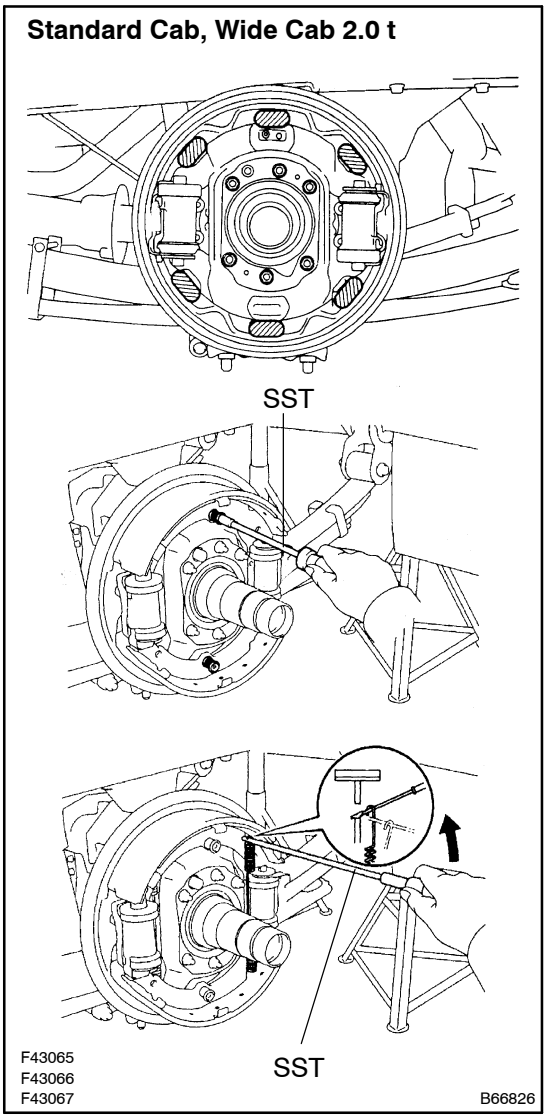
HINT:

- There are 2 types of the front side wheel cylinder union seats, flat seat type and flared seat type, as shown in the illustration.
- Both union seats of the rear side wheel cylinder are flared.

13. INSTALL LH, REAR OR LOWER REAR WHEEL BRAKE CYLINDER ASSY

HINT:

Install the cylinder assy on the rear or lower side in the same procedures as on the front or upper side.



14. INSTALL BRAKE SHOES

(a) Standard cab, wide cab 2.0 t:

(1) Apply brake grease to the shoe contact part of the backing plate.

(2) Install the brake shoe assembly on the backing plate.

(3) Using SST, install the shoe hold–down spring cup, pin and spring.

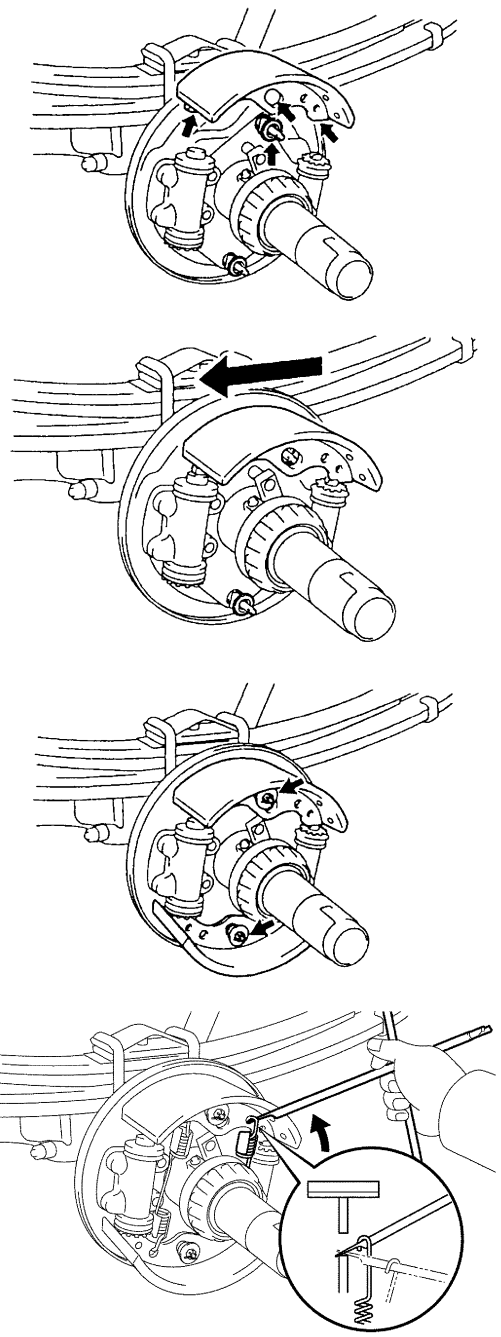
SST 09718–00010

(b) Using SST, install the front tension spring.

(1) Install the rear tension spring to inside and outside from brake shoe

SST 09703–30010

Wide Cab Over 2.0 t



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F42356
F42357
F42366

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(c) Wide cab over 2.0 t:
(1) Apply brake grease to the contact surface of the brake shoe with the wheel cylinder.
(2) Install the brake shoe assembly on the backing plate so that the elongated hole of the brake shoe assembly is in the tire rotation direction.
(3) Tighten the plain washer and the nut by hand and install a cotter pin within 1/3 to 1/2 turns in the loosening direction.
(4) Using SST, install the 2 return springs.
SST 09703–30010

15. CHECK REAR DRUM BRAKE INSTALLATION

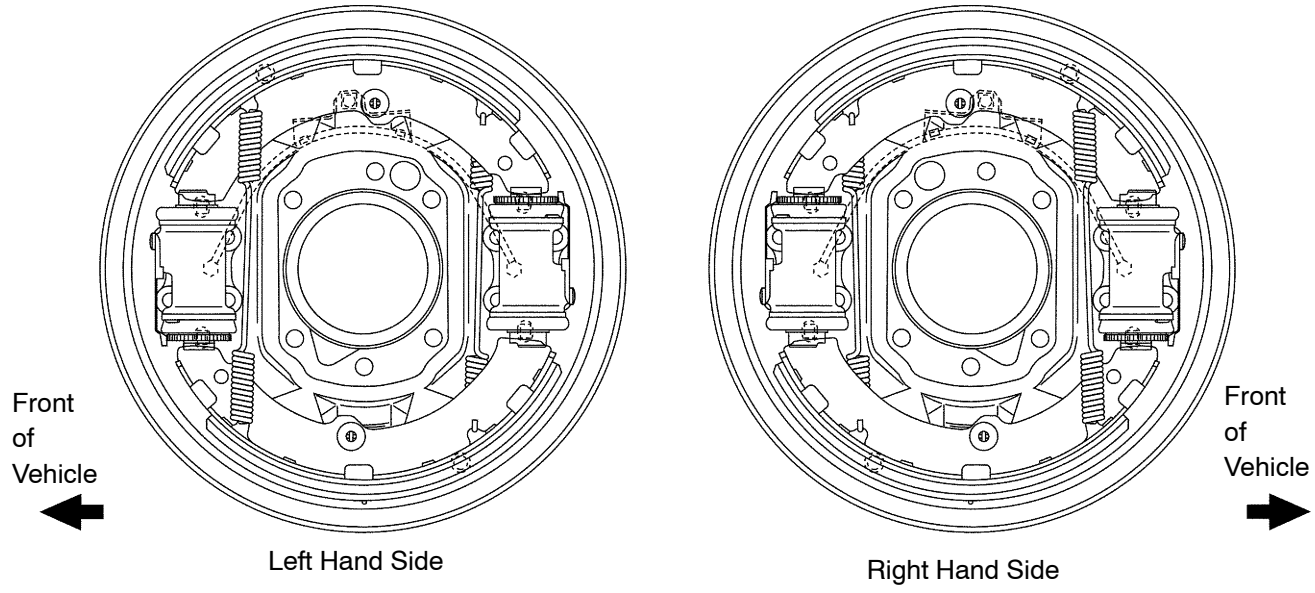
(a) Check that each part has been installed correctly.

NOTICE:

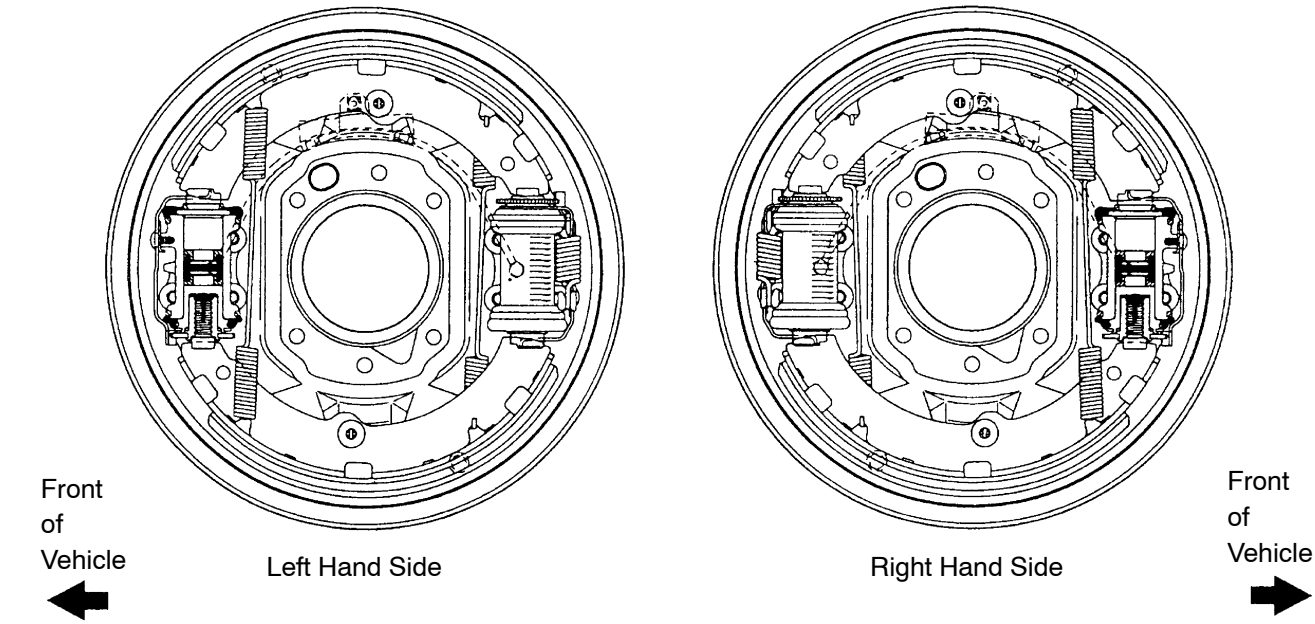
- **Confirm that the wheel cylinder boot is not damaged and that no grease or other lubricant does not stick.**
- **Confirm that no oil, moisture, etc. do not stick to the shoe lining surface.**

Standard cab, wide cab 2.0 t:

Manual Adjuster Type:



Auto Adjuster Type:

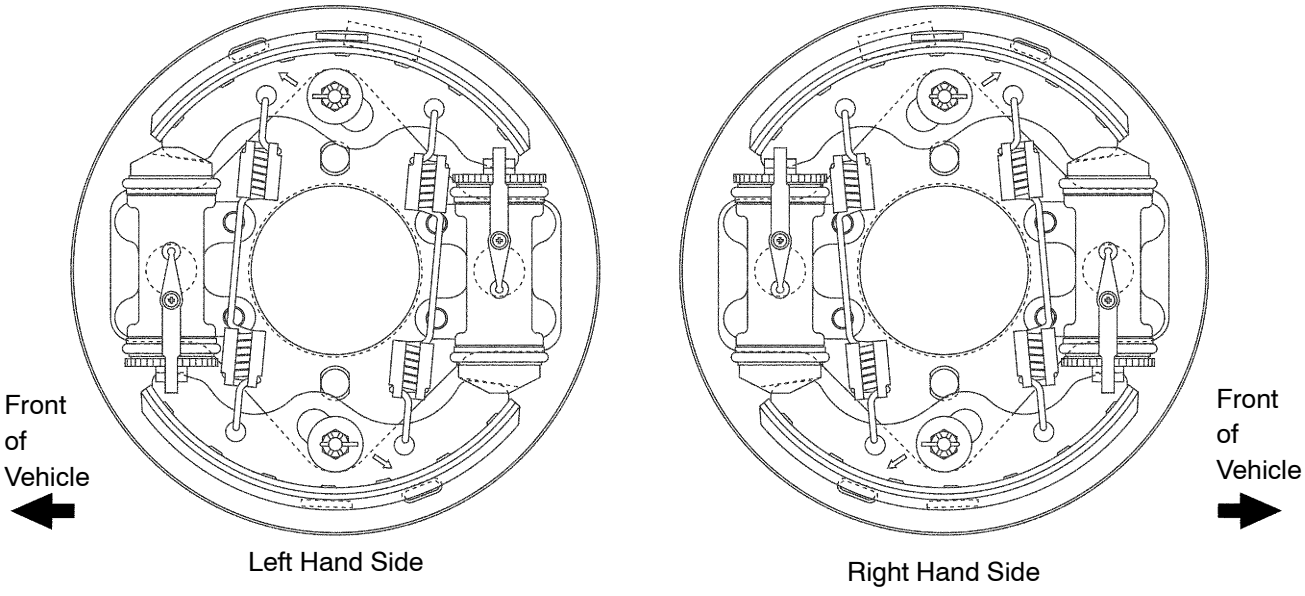


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F42349

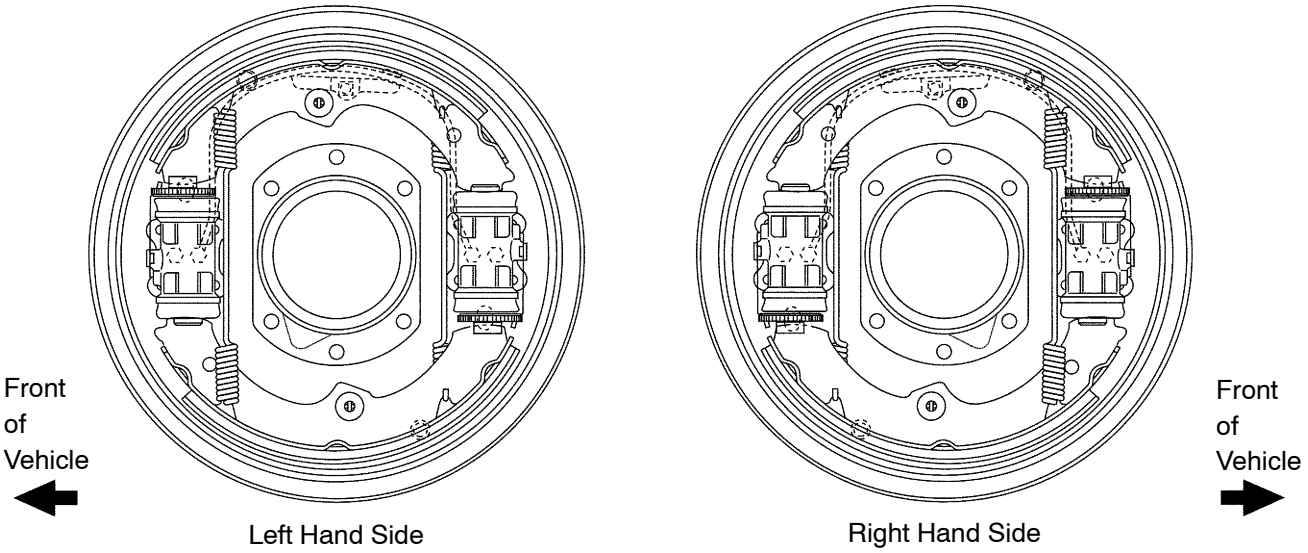
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Wide cab over 2.0 t:

Manual Adjuster Type:

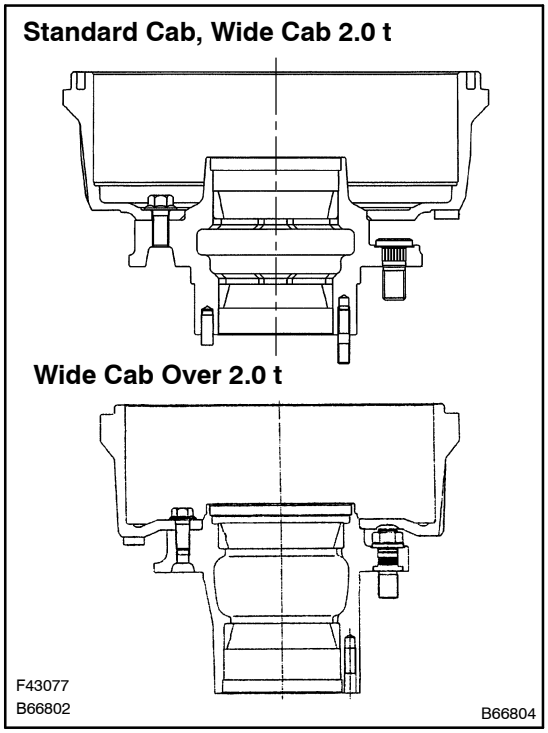


Auto Adjuster Type:



F43085
F43082

B68740



16. INSTALL REAR BRAKE DRUM

(a) Match the matchmarks, and assemble the drum and the hub.
Torque:
160 N·m (1632 kgf·cm, 118 ft·lbf) for Standard cab, wide cab 2.0 t
200 N·m (2,050 kgf·cm, 148 ft·lbf) for wide cab over 2.0 t

(b) Install the drum to the axle hub (See pages 27–3 and 27–11).

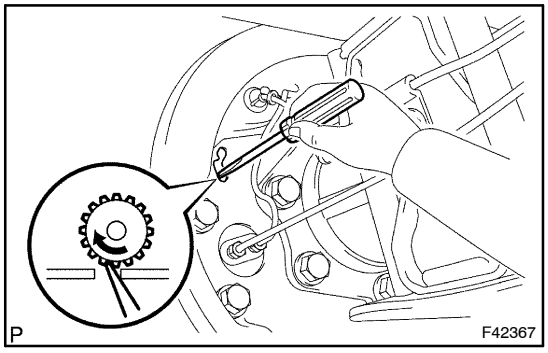
(c) Install the axle shaft (See pages 27–3 and 27–11).

17. ADJUST REAR DRUM BRAKE SHOE CLEARANCE

(a) Standard cab, wide cab 2.0 t:
Rotate the adjusting wheel to shoe expanding direction until the drum barely rotates by hand.

(b) Return the adjusting wheel 5 notches to shoe contact direction. After the shoe is contracted if there is drag with the drum cannot rotare by hand, adjust the gap again, or remove the drum and check the brake installation condition.

(c) The plug of service hole on the backside of the back plate is removed when adjusting the gap. Securely install the plug to prevent foreign matter from coming in.



(d) Wide cab over 2.0 t:
Remove the shoe adjusting hole plug from the backing plate.

(e) Using a screwdriver, rotate the wheel cylinder adjusting nut in the direction opposite to the arrow mark as shown in the illustration.

(f) Adjust the brake shoe gap so that the clearance between the brake drum and shoe becomes 0.

(g) Using a screwdriver, return the adjusting nut in the arrow mark direction.
Standard number of notches to be backed off:
10 – 14 notches

(h) Rotate the tire and confirm the smooth rotation.

(i) Install the shoe adjusting hole plug.

(j) Check that the pedal reserve distance is correct (See page 32–7).

18. INSTALL REAR TIRE

19. FILL RESERVOIR WITH BRAKE FLUID (See page 32–4)

20. BLEED MASTER CYLINDER (See page 32–4)

21. BLEED BRAKE LINE (See page 32–4)

22. CHECK FLUID LEVEL IN RESERVOIR

23. CHECK BRAKE FLUID LEAKAGE