320QP-01

OVERHAUL

HINT:

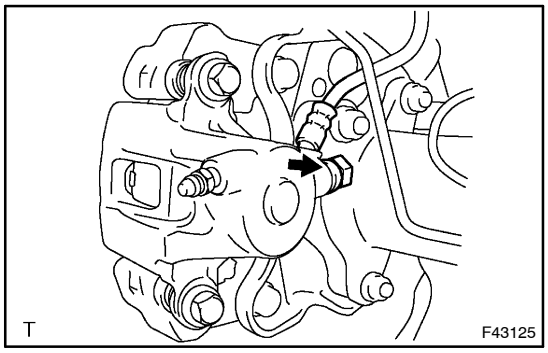
Overhaul the RH side by the same procedures with LH side.

1. REMOVE REAR WHEEL

2. DRAIN BRAKE FLUID

NOTICE:

Wash off the brake fluid immediately if it comes into contact with a painted surface.

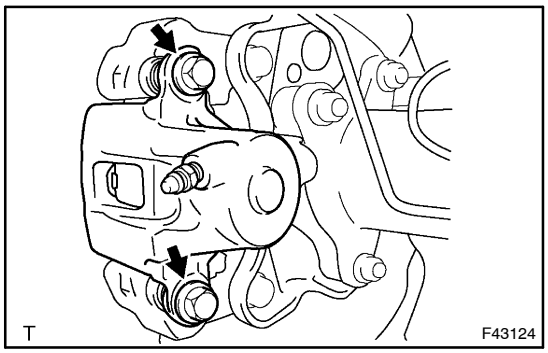


3. DISCONNECT REAR LH FLEXIBLE HOSE

(a) Remove the union bolt and gasket from the disc brake cylinder, then disconnect the flexible hose from the disc brake cylinder assy rear.

HINT:

Use a container to catch brake fluid as it drains out.



4. REMOVE DISC BRAKE CYLINDER ASSY REAR LH

(a) Remove the 2 cylinder slide pins from disc brake cylinder assy rear.

(b) Remove the disc brake cylinder assy rear from rear disc brake cylinder mounting.

5. REMOVE DISC BRAKE PAD KIT REAR (PAD ONLY)

(a) Remove the 2 disc brake pads with anti–squeal shims from rear disc brake cylinder mounting.

6. REMOVE REAR DISC BRAKE ANTI–SQUEAL SHIM

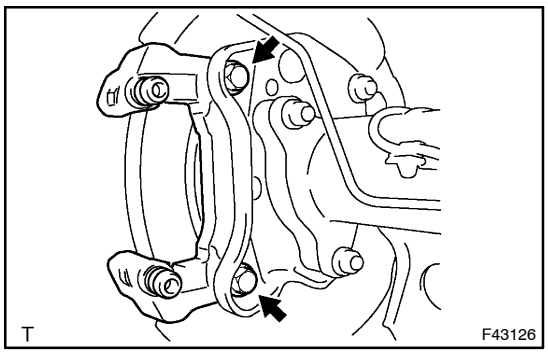
(a) Remove the 2 anti–squeal shims from each disc brake pads.

7. REMOVE REAR DISC BRAKE PAD WEAR INDICATOR PLATE

(a) Remove the pad wear indicator plate from the inner side disc brake pad.

8. REMOVE REAR DISC BRAKE PAD SUPPORT PLATE

(a) Remove the 4 pad support plates from the rear disc brake cylinder mounting.



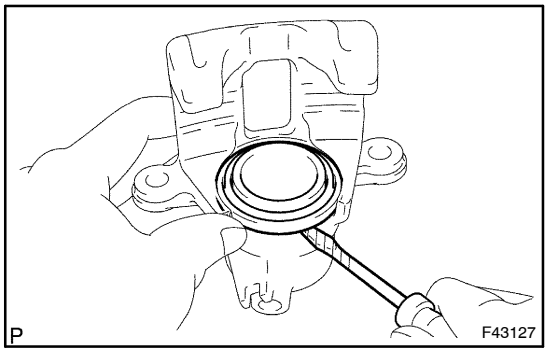
9. REMOVE REAR DISC BRAKE CYLINDER MOUNTING LH

(a) Remove the 2 bolts and rear brake cylinder mounting.

10. REMOVE REAR DISC BRAKE CYLINDER SLIDE BUSH

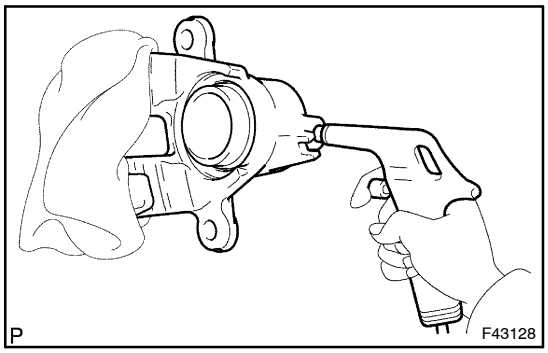
(a) Remove the 2 cylinder slide bushes from the rear disc brake cylinder mounting.

(b) Remove the cylinder hole plug from the rear disc brake cylinder mounting.



11. REMOVE CYLINDER BOOT

(a) Using a screwdriver, remove the cylinder boot from disc brake cylinder assy rear.



12. REMOVE REAR DISC BRAKE DISC BRAKE PISTON

(a) Place a piece of cloth or similar, between the piston and the disc brake cylinder assy rear.

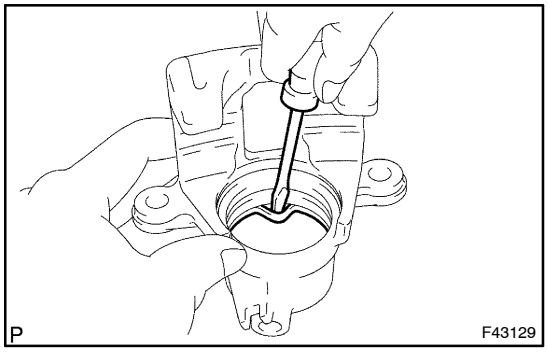
(b) Use compressed air to remove the piston from the disc brake cylinder assy rear.

CAUTION:

Do not place your fingers in front of the piston when using compressed air.

NOTICE:

Do not spatter the brake fluid.



13. REMOVE PISTON SEAL

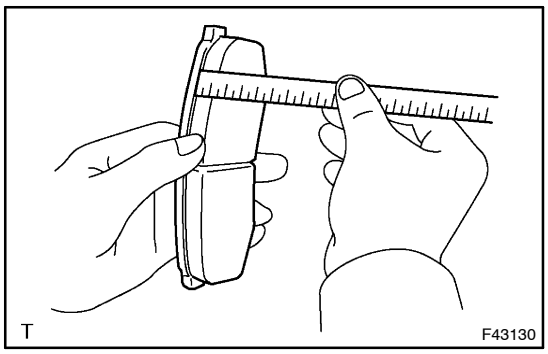
(a) Using a screwdriver, remove the piston seal from the disc brake cylinder assy rear.

14. REMOVE REAR DISC BRAKE BLEEDER PLUG

(a) Remove the bleeder plug cap and bleeder plug from disc brake cylinder assy rear.

15. INSPECT BRAKE CYLINDER AND PISTON

(a) Check the cylinder bore and piston for rust or scarring.

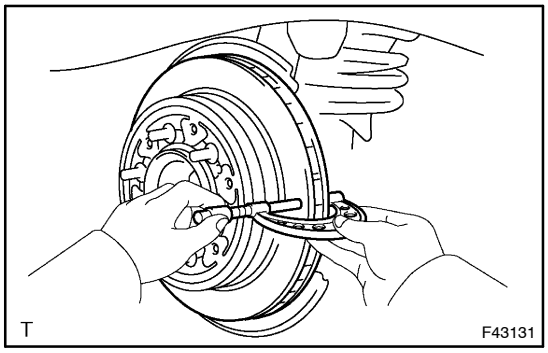


16. INSPECT PAD LINING THICKNESS

(a) Using a ruler, measure the pad lining thickness.
Standard thickness: 10.0 mm (0.394 in.)
Minimum thickness: 1.0 mm (0.039 in.)

17. INSPECT REAR DISC BRAKE PAD SUPPORT PLATE

(a) Inspect the 4 pad support plates. Make sure that they have sufficient rebound, no deformation, cracks or wear, and have had all rust, dirt and foreign particles.



18. INSPECT DISC THICKNESS

(a) Using a micrometer, measure the disc thickness.
Standard thickness: 18.0 mm (0.709 in.)
Minimum thickness: 16.0 mm (0.630 in.)

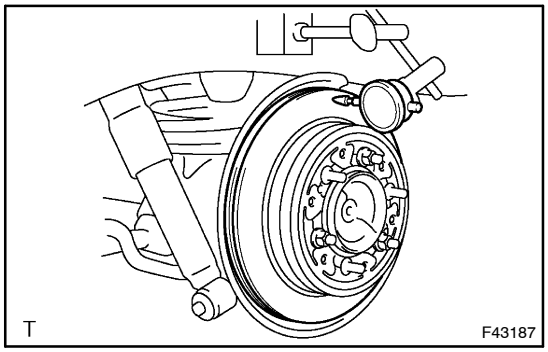
19. REMOVE REAR DISC

(a) Make matchmarks on the rear disc and the axle hub.

(b) Remove the rear disc.

20. INSTALL REAR DISC

(a) Aligning the matchmarks on the rear disc and axle hub, install the rear disc.



21. INSPECT DISC RUNOUT

(a) Temporarily fasten the disc with hub nuts.
Torque: 110 N·m (1,122 kgf·cm, 81 ft·lbf)

(b) Using a dial indicator, measure the disc runout 10 mm (0.39 in.) away from the outer edge of the disc.
Maximum disc runout: 0.20 mm (0.0079 in.)

(c) If the disc runout is the maximum value or greater, check the bearing play in the axial direction and check the axle hub runout (See page 30–2). If the bearing play and axle hub runout are normal, adjust the disc runout or grind it on a "On–car" brake lathe.

22. TEMPORARILY TIGHTEN REAR DISC BRAKE BLEEDER PLUG

(a) Temporarily tighten the bleeder plug to the disc brake cylinder assy rear.

(b) Install the bleeder plug cap to the bleeder plug.

23. INSTALL PISTON SEAL

(a) Apply the lithium soap base glycol grease to a new piston seal.

(b) Install the piston seal to the disc brake cylinder assy rear.

24. INSTALL REAR DISC BRAKE DISC BRAKE PISTON

(a) Apply the lithium soap base glycol grease to a disc brake piston.

(b) Install the disc brake piston to the disc brake cylinder assy rear.

NOTICE:

Do not screw the disc brake piston forcedly in the disc brake cylinder assy rear.

25. INSTALL CYLINDER BOOT

(a) Apply the lithium soap base glycol grease to a new cylinder boot.

(b) Install the cylinder boot to the disc brake cylinder

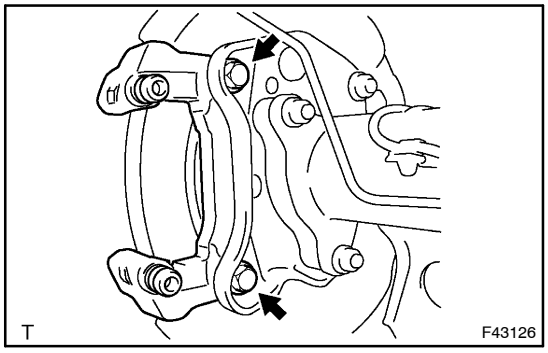
HINT:

Install the cylinder boot securely to the grease of the disc brake cylinder assy and piston.

26. INSTALL REAR DISC BRAKE CYLINDER SLIDE BUSH

(a) Apply the lithium soap base glycol grease to a new cylinder hole plug and 2 new cylinder slide bushes.

(b) Install the cylinder hole plug and 2 cylinder slide bushes to the rear disc brake cylinder mounting.



27. INSTALL REAR DISC BRAKE CYLINDER MOUNTING LH

(a) Install the rear disc brake cylinder mounting with 2 bolts.
Torque: 105 N·m (1,071 kgf·cm, 77 ft·lbf)

28. INSTALL REAR DISC BRAKE PAD SUPPORT PLATE

(a) Install the 4 pad support plates to the rear disc brake cylinder mounting.

29. INSTALL REAR DISC BRAKE PAD WEAR INDICATOR PLATE

(a) Install the pad wear indicator plate to the inner side disc brake pad.

30. INSTALL REAR DISC BRAKE ANTI–SQUEAL SHIM

NOTICE:

If necessary, replace the anti–squeal shim kit when replacing the brake pad.

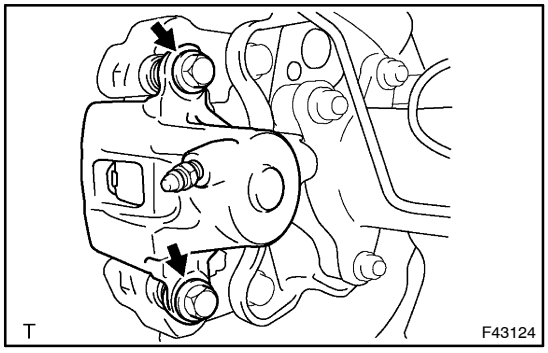
(a) Install the 2 anti–squeal shims on each disc brake pads.

NOTICE:

There should be no oil or grease on the friction surfaces of the brake pads and the rear disc.

31. INSTALL DISC BRAKE PAD KIT REAR (PAD ONLY)

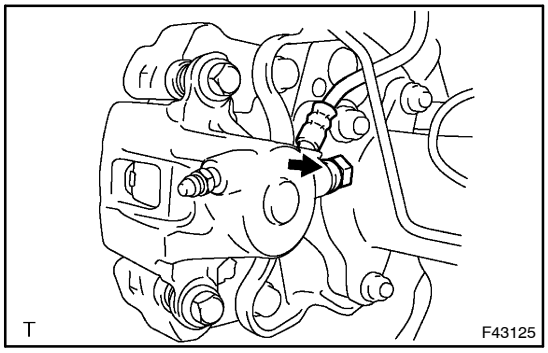
(a) Install the 2 disc brake pads with anti–squeal shim to the rear disc brake cylinder mounting.



32. INSTALL DISC BRAKE CYLINDER ASSY REAR LH

(a) Apply the lithium soap base glycol grease to the sliding part of 2 cylinder slide pins.

(b) Install the disc brake cylinder assy rear with 2 cylinder slide pins.
Torque: 88 N·m (897 kgf·cm, 65 ft·lbf)



33. CONNECT REAR LH FLEXIBLE HOSE

(a) Connect the flexible hose with union bolt and new gasket to the disc brake cylinder assy rear.
Torque: 31 N·m (316 kgf·cm, 23 ft·lbf)

34. BLEED BRAKE LINE (See page 32–4 or 32–6)

35. CHECK FLUID LEVEL IN RESERVOIR

36. CHECK BRAKE FLUID LEAKAGE

37. INSTALL REAR WHEEL
Torque: 110 N·m (1,122 kgf·cm, 81 ft·lbf)