320DK–01

OVERHAUL

HINT:

- COMPONENTS: See page 32–35
- Overhaul the RH side by the same procedures with LH side.

1. REMOVE REAR WHEEL

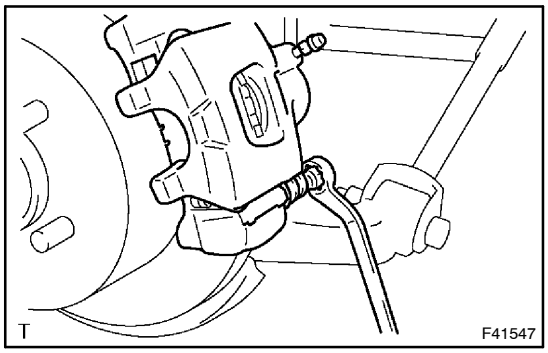
2. DRAIN BRAKE FLUID

NOTICE:

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

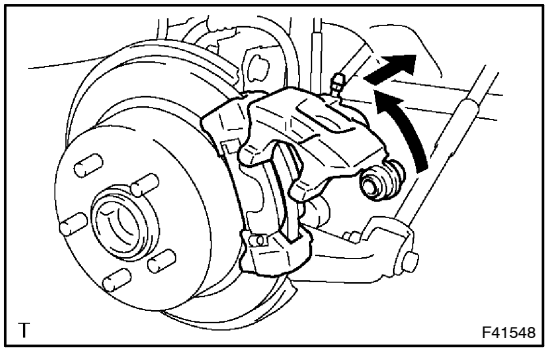
3. DISCONNECT REAR LH FLEXIBLE HOSE

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



4. REMOVE REAR DISC BRAKE CYLINDER SLIDE PIN

(a) Remove the cylinder slide pin.

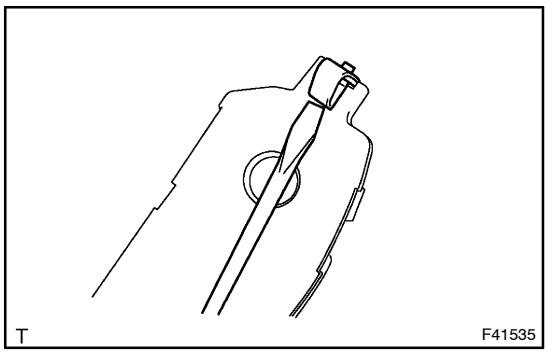


5. REMOVE REAR DISC BRAKE CYLINDER ASSY LH

(a) Lift up the disc brake cylinder assy and remove the disc brake cylinder assy.

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

(a) Remove the 2 brake pads with anti–squeal shim.



7. REMOVE REAR DISC BRAKE ANTI SQUEAL SHIM KIT

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

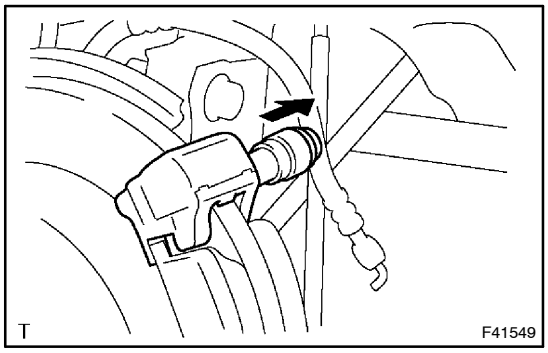
(b) Using a screwdriver, remove the 2 pad wear indicator plates from each of 2 brake pads.

8. REMOVE REAR DISC BRAKE PAD SUPPORT PLATE

(a) Remove the rear disc brake pad support plate No.1.

9. REMOVE REAR DISC BRAKE PAD SUPPORT PLATE

(a) Remove the rear disc brake pad support plate No.2.

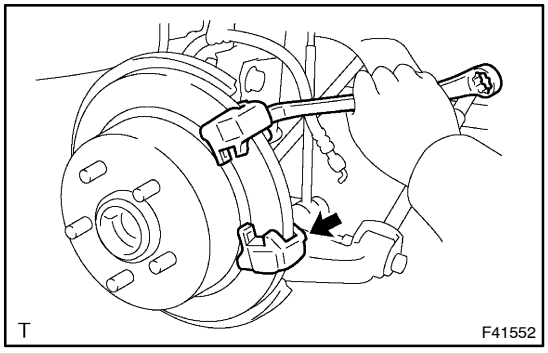


10. REMOVE REAR DISC BRAKE BUSH DUST BOOT

(a) Remove the bush dust boot from the cylinder slide pin.
(b) Using a hexagaon wrench (8 mm), remove the cylinder slide pin.

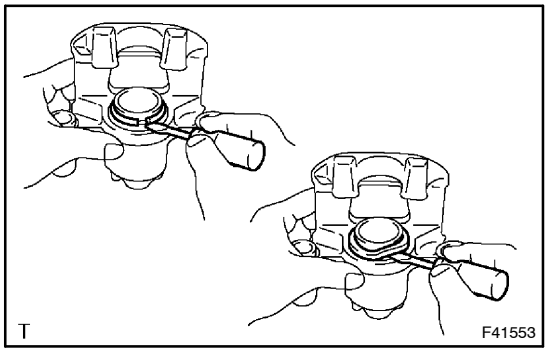
11. REMOVE REAR DISC BRAKE CYLINDER SLIDE BUSH

(a) Remove the cylinder slide bush from the disc brake cylinder assy.



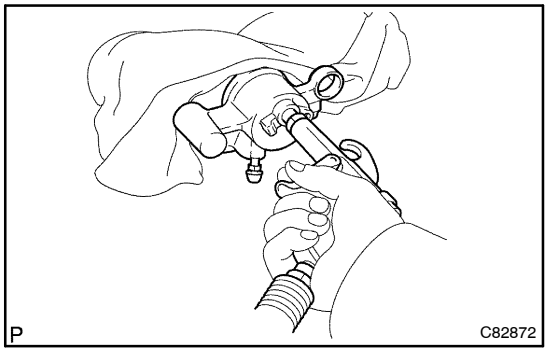
12. REMOVE REAR DISC BRAKE CYLINDER MOUNTING LH

(a) Remove the 2 bolts and cylinder mounting LH.



13. REMOVE CYLINDER BOOT

(a) Using a screwdriver, remove the set ring and cylinder boot from the disc brake cylinder.



14. REMOVE REAR DISC BRAKE DISC BRAKE PISTON

(a) Place a piece of cloth or similar, between the piston and the disc brake cylinder
(b) Use compressed air to remove the piston from the disc brake cylinder.

CAUTION:
Do not place your fingers in front of the piston when using compressed air.
NOTICE:
Do not spatter the brake fluid.

15. REMOVE PISTON SEAL

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

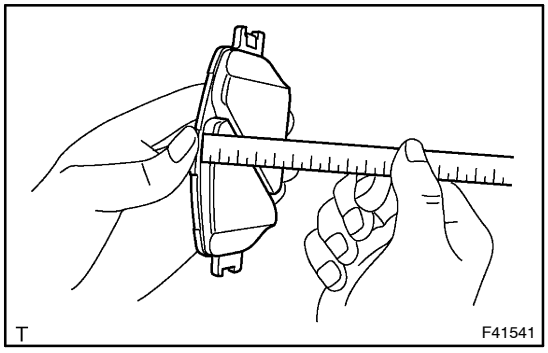
NOTICE:
Do not damage the inner cylinder and the cylinder groove.

16. REMOVE REAR DISC BRAKE BLEEDER PLUG CAP

17. REMOVE REAR DISC BRAKE BLEEDER PLUG

18. INSPECT BRAKE CYLINDER AND PISTON

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



19. INSPECT PAD LINING THICKNESS

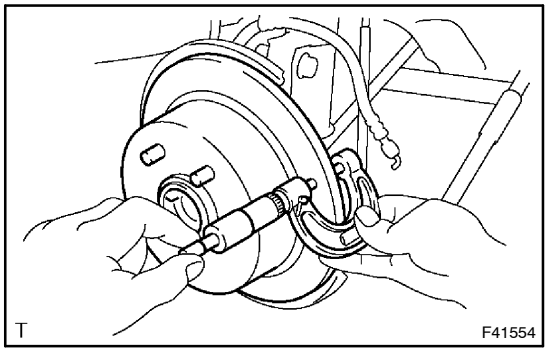
(a) Using a ruler, measure the pad lining thickness.
Standard thickness: 11.0 mm (0.433 in.)
Minimum thickness: 1.0 mm (0.039 in.)

20. INSPECT REAR DISC BRAKE PAD SUPPORT PLATE

(a) Make sure that they have sufficient rebound, no deformation cracks or wear, and have had all rust and dirt cleaned off.

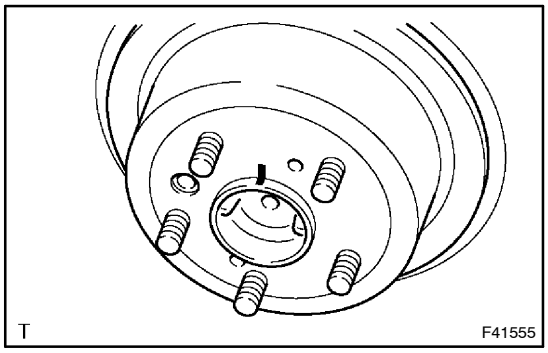
21. INSPECT REAR DISC BRAKE PAD SUPPORT PLATE

(a) Make sure that they have sufficient rebound, no deformation cracks or wear, and have had all rust and dirt and cleaned off.



22. INSPECT DISC THICKNESS

(a) Using a micrometer, measure the disc thickness.
Standard thickness: 12.0 mm (0.472 in.)
Minimum thickness: 10.5 mm (0.413 in.)



23. REMOVE REAR DISC

(a) Put matchmarks on the disc and the axle hub.
(b) Remove the disc.

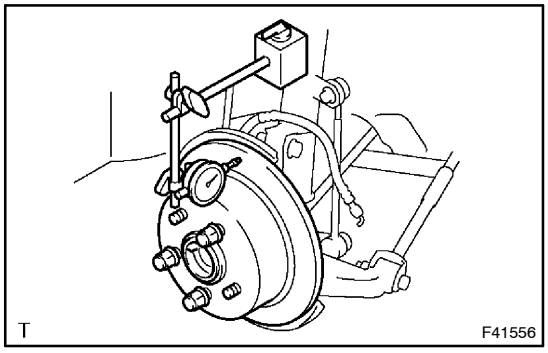
24. REMOVE PARKING BRAKE SHOE ADJUSTING HOLE PLUG

25. INSTALL PARKING BRAKE SHOE ADJUSTING HOLE PLUG

26. INSTALL REAR DISC

(a) Aligning the matchmarks, install the rear disc.

HINT:
When replacing the disc with new one, select the installaiton position where the disc has the minimum runout.



27. INSPECT DISC RUNOUT

(a) Temporarily fasten the disc with hub nuts.
Torque: 103 N·m (1,050 kgf·cm, 76 ft·lbf)
(b) Using dial indicator, measure the disc runout 10 mm (0.39 in.) away from the outer edge of the disc.
Maximum disc runout: 0.15 mm (0.0059 in.)
(c) If the disc's runout is maximum value or greater, check the bearing play in the axial direction and check the axle hub runout (See page 30–26). If the bearing play and axle hub runout are not abnormal, adjust the disc runout or grind it on a "On–car" brake lathe.

28. ADJUST PARKING BRAKE SHOE CLEARANCE(See page 33–21)

29. TEMPORARY TIGHTEN REAR DISC BRAKE BLEEDER PLUG

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

30. INSTALL REAR DISC BRAKE BLEEDER PLUG CAP

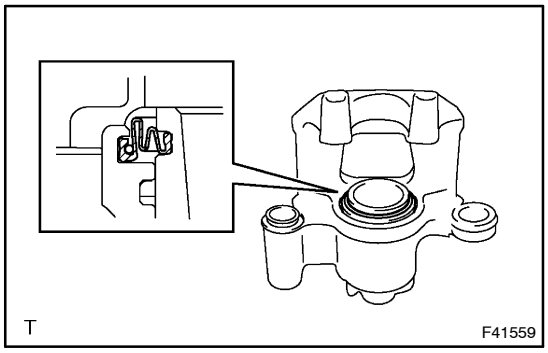
31. INSTALL PISTON SEAL

(a) Apply the lithium soap base glycol grease on a new piston seal.
(b) Install the piston seal to the disc brake cylinder.

32. INSTALL REAR DISC BRAKE DISC BRAKE PISTON

(a) Apply the lithium soap base glycol grease on the piston.
(b) Install the piston to the disc brake cylinder.

NOTICE:
Do not screw the piston forcedly in the disc brake cylinder.



33. INSTALL CYLINDER BOOT

(a) Apply the lithium soap base glycol grease on a new cylinder boot.
(b) Install the cylinder boot to the disc brake cylinder.

HINT:
Install the boot securely to the grooves of the cylinder and piston.

(c) Using a screwdriver, install a new set ring.

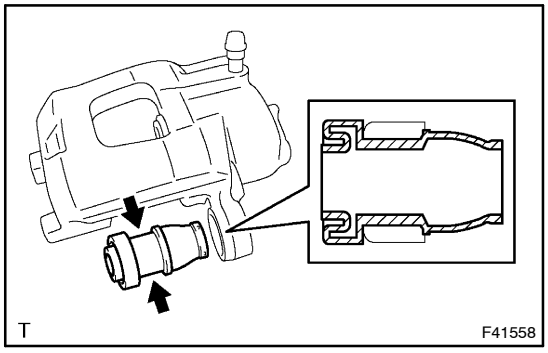
NOTICE:
Do not damage the cylinder boot.

34. INSTALL REAR DISC BRAKE CYLINDER MOUNTING LH

(a) Install the cylinder mounting LH with the 2 bolts.
Torque: 62 N·m (630 kgf·cm, 46 ft·lbf)

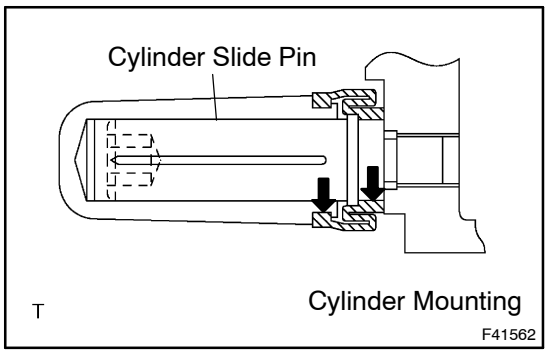
35. INSTALL REAR DISC BRAKE CYLINDER SLIDE PIN

(a) Apply the lithium soap base glycol grease to the cylinder slide pin.
(b) Using a hexagon wrench (8 mm), install the cylinder slide pin.
Torque: 39 N·m (400 kgf·cm, 29 ft·lbf)



36. INSTALL REAR DISC BRAKE CYLINDER SLIDE BUSH

(a) Apply the lithium soap base glycol grease on a new cylinder slide bush.
(b) Install the cylinder slide bush to the disc brake cylinder assy.



37. INSTALL REAR DISC BRAKE BUSH DUST BOOT

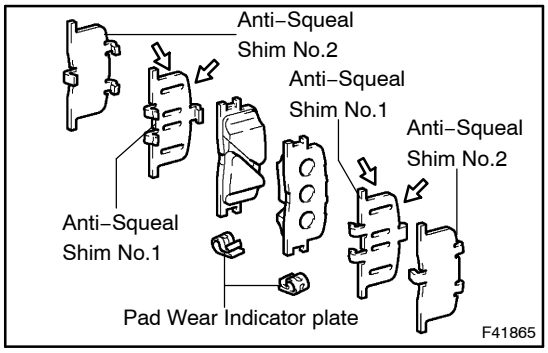
(a) Apply the lithium soap base glycol grease to seal surface of a new bush dust boot.
(b) Install the bush dust boot to the cylinder slide pin.

38. INSTALL REAR DISC BRAKE PAD SUPPORT PLATE

(a) Install the rear disc brake pad support plate No.1.

39. INSTALL REAR DISC BRAKE PAD SUPPORT PLATE

(a) Install the rear disc brake pad support plate No.2.



40. INSTALL REAR DISC BRAKE ANTI SQUEAL SHIM KIT

(a) Coat the both sides of No.1 anti–squeal shim with pad grease all over, and install the shim together with No.2 anti–squeal shim to each pad.
(b) Install the 2 pad wear indicator plates to the each of 2 brake pads.

NOTICE:
When replacing worn pads, the anti–squeal shims must be replaced together with the pads.

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

(a) Install the 2 brake pads with the anti–squeal shim.

NOTICE:
There should be no oil or grease on to the friction surface of the pads and the disc.

42. INSTALL REAR DISC BRAKE CYLINDER ASSY LH

(a) Apply the lithium soap base glycol grease to the cylinder slide pin.
(b) Install the disc brake cylinder assembly rear LH to the cylinder slide pin.

43. INSTALL REAR DISC BRAKE CYLINDER SLIDE PIN

(a) Apply the lithium soap base glycol grease to the cylinder slide pin.
(b) Install and torque the cylinder slide pin to the disc brake cylinder assembly.
Torque: 34 N·m (350 kgf·cm, 25 ft·lbf)

44. CONNECT REAR LH FLEXIBLE HOSE

(a) Connect a new gasket and flexible hose with the union bolt.
Torque: 29 N·m (300 kgf·cm, 21 ft·lbf)

45. FILL RESERVOIR WITH BRAKE FLUID

46. BLEED MASTER CYLINDER(See page 32–4)
SST 09023–00100

47. BLEED BRAKE LINE(See page 32–4)

48. CHECK FLUID LEVEL IN RESERVOIR

49. CHECK BRAKE FLUID LEAKAGE

50. INSTALL REAR WHEEL
Torque: 103 N·m (1,050 kgf·cm, 76 ft·lbf)