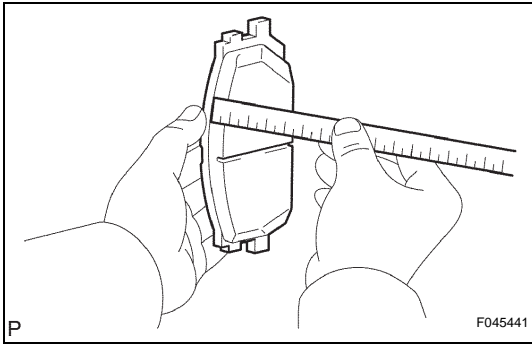


## INSPECTION

### 1. INSPECT BRAKE CYLINDER AND PISTON

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



### 2. INSPECT PAD LINING THICKNESS

- (a) Using a ruler, measure the pad lining thickness.

**Standard thickness:**

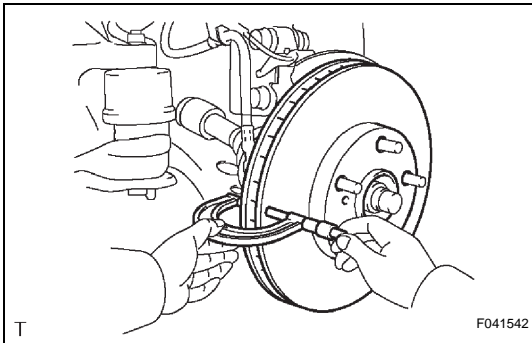
**11.0 mm (0.433 in.)**

**Minimum thickness:**

**1.0 mm (0.039 in.)**

### 3. INSPECT FRONT DISC BRAKE PAD SUPPORT PLATE

- (a) Inspect the front disc brake pad support plate (No. 1) and the front disc brake pad support plate (No. 2).
  - (1) Make sure that it has sufficient rebound, no deformation cracks or wear, and all rust, dirt are cleaned off.



### 4. INSPECT DISC THICKNESS

- (a) Using a micrometer, measure the disc thickness.

**Standard thickness:**

**28.0 mm (1.102 in.)**

**Minimum thickness:**

**26.0 mm (1.024 in.)**

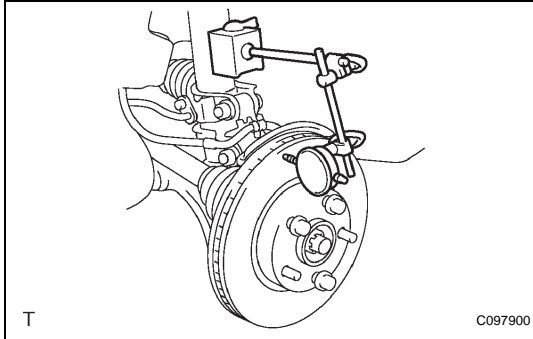
## REASSEMBLY

### 1. INSTALL FRONT DISC

- (a) Align the matchmarks, install the front disc.

HINT:

When replacing the disc with a new one, select the installation position where the front disc has the minimum runout.



### 2. INSPECT DISC RUNOUT

- (a) Temporarily install the front disc with hub nuts.

**Torque: 103 N\*m (1,050 kgf\*cm, 76 ft.\*lbf)**

- (b) Using a dial gauge, measure the disc runout 10 mm (0.39 in.) away from the outer edge of the front disc.

**Maximum disc runout:**

**0.05 mm (0.0020 in.)**

- (c) If the disc runout is greater than the maximum value, check the bearing play in the axial direction and check the axle hub runout (See page [AH-5](#)). If the bearing play and axle hub runout are normal, adjust the disc runout or grind it on a "On-car" brake lathe.

### 3. TEMPORARILY TIGHTEN FRONT DISC BRAKE BLEEDER PLUG

- (a) Temporarily tighten the front disc brake bleeder plug to the disc brake cylinder sub-assembly.

### 4. INSTALL FRONT DISC BRAKE BLEEDER PLUG CAP

- (a) Install the bleeder plug cap to the front disc brake bleeder plug.

### 5. INSTALL PISTON SEAL

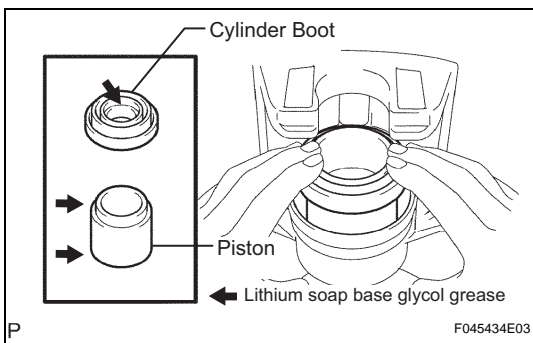
- (a) Apply the lithium soap base glycol grease to a new piston seal.
- (b) Install the piston seal to the disc brake cylinder sub-assembly.

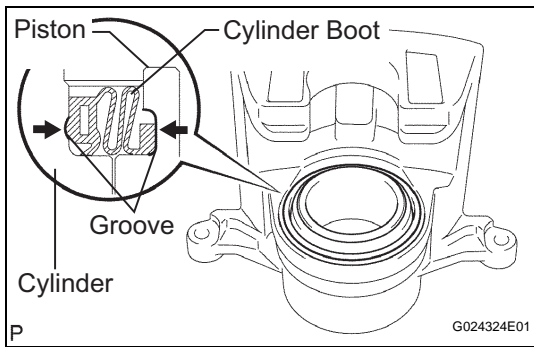
### 6. INSTALL FRONT DISC BRAKE PISTON

- (a) Apply lithium soap base glycol grease to the front disc brake piston and a new cylinder boot.
- (b) Install the cylinder boot to the front disc brake piston.
- (c) Install the piston to the front disc brake cylinder sub-assembly.

**NOTICE:**

**Do not install the piston forcibly in the disc brake cylinder.**



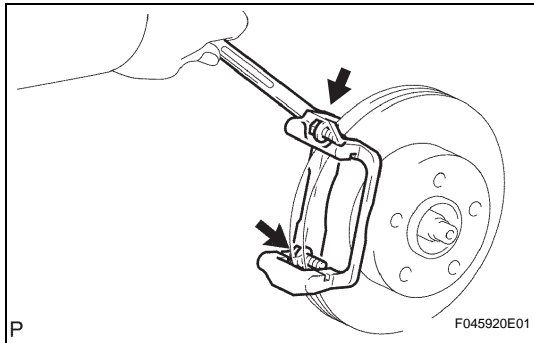


## 7. INSTALL CYLINDER BOOT

- (a) Install the cylinder boot to the front disc brake cylinder.

### NOTICE:

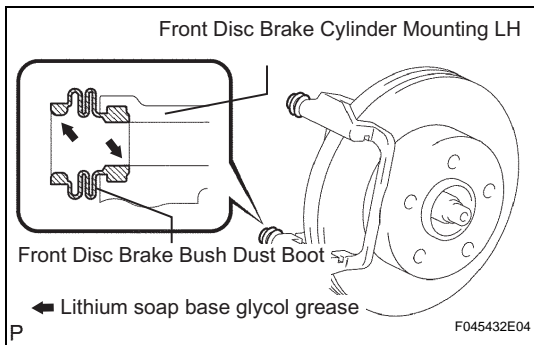
- Install the boot securely to the grooves of the cylinder and piston.
- Do not damage the cylinder boot.



## 8. INSTALL FRONT DISC BRAKE CYLINDER MOUNTING LH

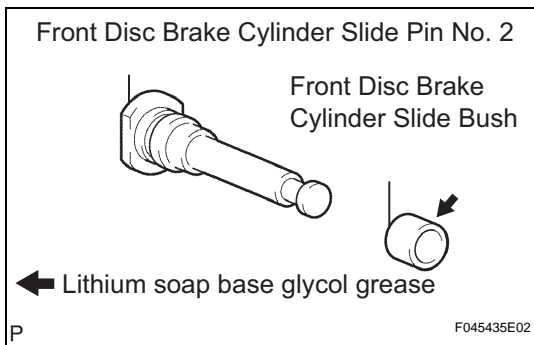
- (a) Install the front disc brake cylinder mounting LH with the 2 bolts.

**Torque: 104 N\*m (1,061 kgf\*cm, 77 ft.\*lbf)**



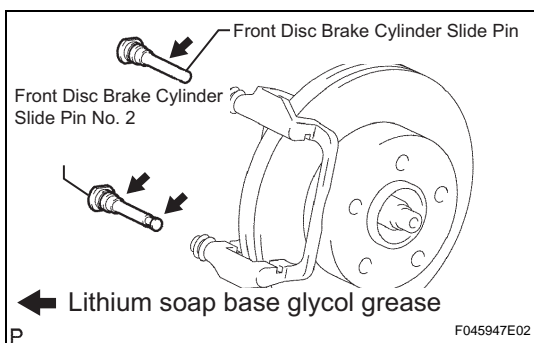
## 9. INSTALL FRONT DISC BRAKE BUSH DUST BOOT

- (a) Apply lithium soap base glycol grease to the sealing surface of 2 new front disc brake bush dust boots.
- (b) Install the 2 front disc brake bush dust boots to the front disc brake cylinder mounting LH.



## 10. INSTALL FRONT DISC BRAKE CYLINDER SLIDE BUSH

- (a) Apply lithium soap base glycol grease to the a new front disc brake cylinder slide bush.
- (b) Install the front disc brake cylinder slide bush to the front disc brake cylinder slide pin No. 2.

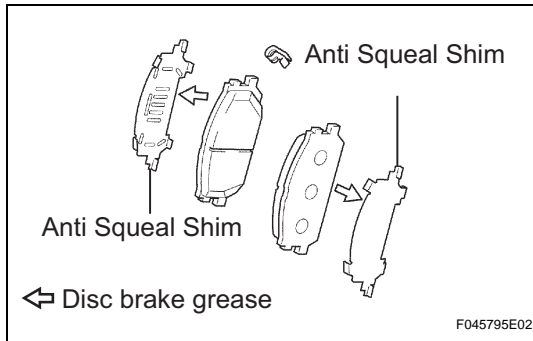


## 11. INSTALL FRONT DISC BRAKE CYLINDER SLIDE PIN

- (a) Apply the lithium soap base glycol grease to the sliding part and the seal surface of the slide pin No. 2.
- (b) Install the front disc brake cylinder slide pin No. 2 to the bottom side of the cylinder mounting LH.
- (c) Apply the lithium soap base glycol grease to the sliding part and the seal surface of the slide pin.
- (d) Install the front disc brake cylinder slide pin.

**12. INSTALL FRONT DISC BRAKE PAD SUPPORT PLATE**

- (a) Install the front disc brake pad support plate (No. 1) and the front disc brake pad support plate (No. 2) to the front disc brake cylinder mounting LH.

**13. INSTALL ANTI SQUEAL SHIM KIT FRONT**

- (a) Apply disc brake grease to the anti squeal shims and install them to each pad.

**NOTICE:**

- When replacing worn pads, the anti squeal shims must be replaced together with the pads.
- Install the shims correctly of which positions and directions.

- (b) Install the pad wear indicator to the inner pad.

**NOTICE:**

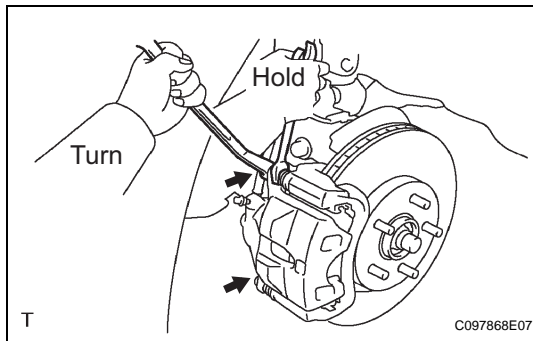
Install the pad wear indicator correctly of which positions and directions.

**14. INSTALL DISC BRAKE PAD KIT FRONT (PAD ONLY)**

- (a) Install the 2 brake pads w/ anti squeal shim to the disc brake cylinder mounting LH.

**NOTICE:**

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

**INSTALLATION****1. INSTALL DISC BRAKE CYLINDER ASSEMBLY LH**

- (a) Install the disc brake cylinder assembly LH with the 2 bolts.

**Torque: 34 N\*m (350 kgf\*cm, 25 ft.\*lbf)**

**2. CONNECT FRONT FLEXIBLE HOSE**

- (a) Connect the flexible hose with the union bolt and a new gasket.

**Torque: 29 N\*m (300 kgf\*cm, 21 ft.\*lbf)**

**NOTICE:**

Install the flexible hose lock securely in the lock hole in the disc brake cylinder sub-assembly.

**3. FILL RESERVOIR WITH BRAKE FLUID****HINT:**

See page [BR-14](#).

**4. BLEED MASTER CYLINDER****HINT:**

See page [BR-14](#).

**SST 09023-00101**

**5. BLEED BRAKE LINE****HINT:**

See page [BR-14](#).

**6. CHECK FLUID LEVEL IN RESERVOIR****HINT:**

See page [BR-14](#).

**7. CHECK BRAKE FLUID LEAKAGE**

8. **INSTALL FRONT WHEEL**  
Torque: 103 N\*m (1,050 kgf\*cm, 76 ft.\*lbf)