

## OVERHAUL

### HINT:

If work that does not involve brake fluid bleeding, such as disc brake pad replacement, is started 2 minutes or more after the power switch is turned off, brake control (ECB) prohibition is not necessary.

#### 1. REMOVE FRONT WHEEL

#### 2. BRAKE CONTROL (ECB) OFF (SEE PAGE 32-24 )

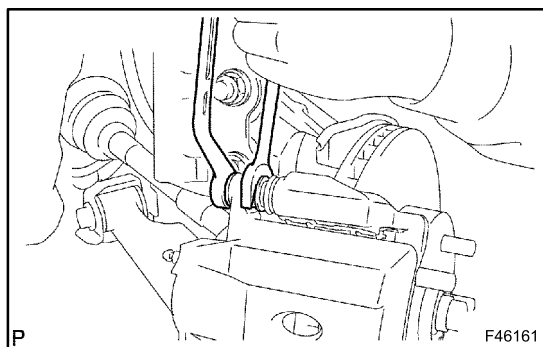
### NOTICE:

Prohibit the brake control (ECB) certainly before bleeding the brake fluid.

#### 3. DRAIN BRAKE FLUID

### NOTICE:

Wash brake fluid off immediately if it adheres to any painted surface.



#### 4. REMOVE FRONT DISC BRAKE CYLINDER SUB-ASSY

- (a) Remove the union bolt and gasket, and separate the flexible hose No.1 from the front disc brake cylinder assy.
- (b) Hold the front disc brake cylinder slide pin using a wrench. Remove the 2 bolts and separate the front disc brake cylinder.

#### 5. REMOVE DISC BRAKE PAD KIT FRONT (PAD ONLY)

- (a) Remove the 2 front disc brake pads from the front disc brake cylinder mounting.

#### 6. REMOVE ANTI SQUEAL SHIM KIT FRONT

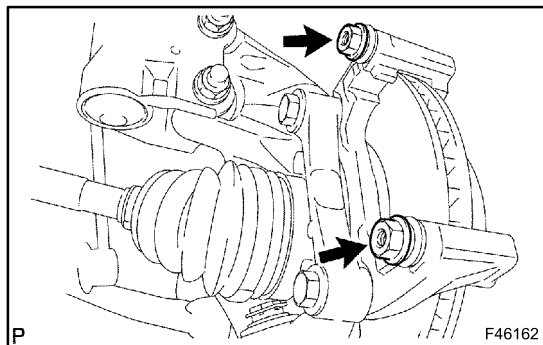
- (a) Remove the 2 anti squeal shims No.1 and 2 anti squeal shims No.2 from the front disc brake pads.

#### 7. REMOVE FRONT DISC BRAKE PAD SUPPORT PLATE NO.1

- (a) Remove the pad support plate No.1 from the front disc brake cylinder mounting.

#### 8. REMOVE FRONT DISC BRAKE PAD SUPPORT PLATE NO.2

- (a) Remove the pad support plate No.2 from the front disc brake cylinder mounting.

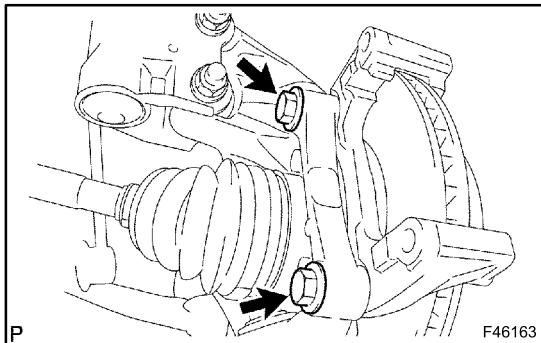


#### 9. REMOVE FRONT DISC BRAKE CYLINDER SLIDE PIN

- (a) Pull off the 2 front disc brake cylinder slide pins from the front disc brake cylinder mounting.

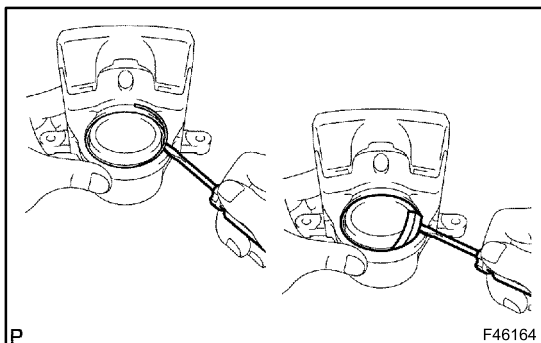
#### 10. REMOVE FRONT DISC BRAKE BUSH DUST BOOT

- (a) Remove the 2 bush dust boots from the front disc brake cylinder mounting.



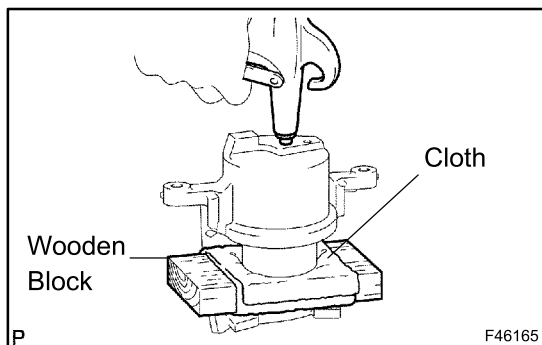
# 11. REMOVE FRONT DISC BRAKE CYLINDER MOUNTING LH

- (a) Remove the 2 bolts and front disc brake cylinder mounting.



# 12. REMOVE CYLINDER BOOT

- (a) Remove the set ring and cylinder boot from the front disc brake cylinder assy.



# 13. REMOVE FRONT DISC BRAKE PISTON

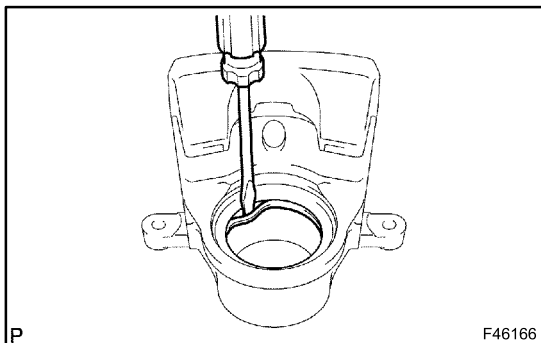
- (a) Place a wooden block wrapped in a cloth between the front disc brake piston and front disc brake cylinder to prevent them from being damaged.
- (b) Put air into the front disc brake cylinder gradually so that the piston does not protrude using compressed air. Separate the front disc brake piston from the front disc brake cylinder.

## CAUTION:

Be careful not to pinch fingers.

## NOTICE:

Do not spatter fluid.



# 14. REMOVE PISTON SEAL

- (a) Remove the piston seal from the front disc brake cylinder using a screwdriver.

## NOTICE:

Do not damage the inside of the cylinder or the seal groove.

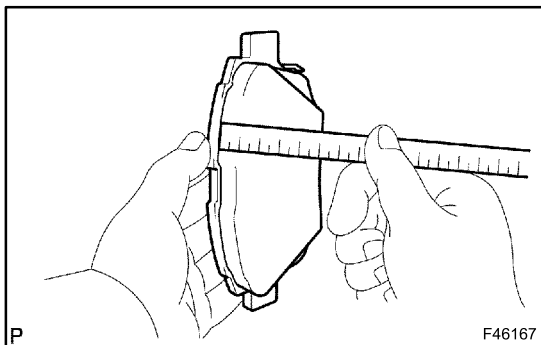
# 15. REMOVE FRONT DISC BRAKE BLEEDER PLUG CAP

# 16. REMOVE FRONT DISC BRAKE BLEEDER PLUG

# 17. INSPECT BRAKE CYLINDER AND PISTON

- (a) Check that the side of the front disc brake piston and the inside of the cylinder are not damaged.

If necessary, replace the front disc brake cylinder sub-assy and front disc brake piston.

**18. 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.)**

**HINT:**

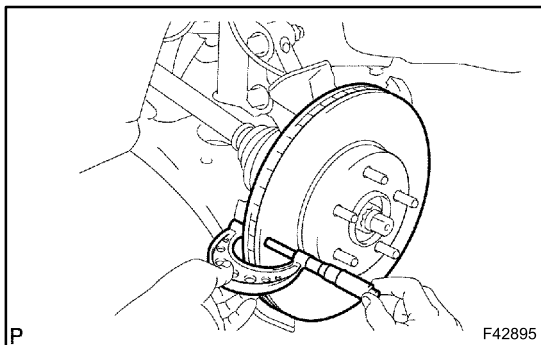
If the disc brake pad thickness is at the minimum or less, replace the disc brake pad.

**19. INSPECT FRONT DISC BRAKE PAD SUPPORT PLATE NO.1**

- (a) Clean the area where the front disc brake support plate No.1 contacts the brake pad using brake cleaner. Check that there are no deformations, cracks or rust.
- (b) Check that there is no looseness or deformation with the front disc brake cylinder mounting installed.
- (c) Make sure that the support has sufficient rebound when installing the pad. Check that the pad does not easily drop after installation.

**20. INSPECT FRONT DISC BRAKE PAD SUPPORT PLATE NO.2****HINT:**

Check the pad support plate No.1 and No.2 using the same steps.

**21. INSPECT DISC THICKNESS**

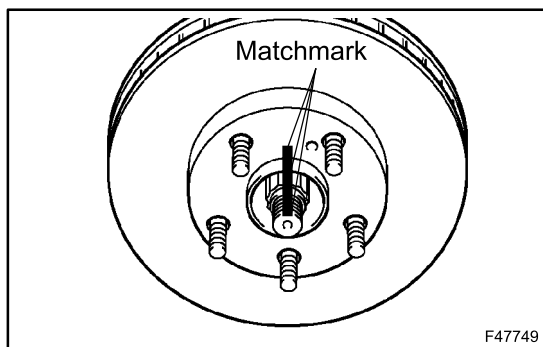
- (a) Using a micrometer, measure the disc thickness.

**Standard thickness: 22.0 mm (0.866 in.)**

**Minimum thickness: 20.0 mm (0.787 in.)**

**HINT:**

If the disc plate thickness is at the minimum or less, replace the disc plate.

**22. REMOVE FRONT DISC****HINT:**

Put matchmarks on the disc and axle hub.

**23. INSTALL FRONT DISC**

- (a) Align matchmarks on the disc and the axle hub. Install the front disc.

**NOTICE:**

**When installing a new disc, select the position where the disc has the minimum runout.**

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