
BRAKE SYSTEM

PRECAUTION

- Care must be taken to replace each part properly as it could affect the performance of the brake system and result in a driving hazard. Replace the parts with parts having the same part number or equivalent.
- It is very important to keep parts and the surrounding area clean when repairing the brake system.
- If the vehicle is equipped with a mobile communication system, refer to the precaution in the INTRODUCTION section.

PROBLEM SYMPTOMS TABLE

Use the table below to help find the cause of each problem. The numbers indicate the priority of the likely cause of the problem. Check each part in order. If necessary, replace these parts.

Symptom	Suspected Area	See page
Low pedal or spongy pedal	1. Fluid leaks in the brake system	BR-3
	2. Air in the brake system	BR-3
	3. Piston seals are worn or damaged (for front)	BR-26
	4. Piston seals are worn or damaged (for rear)	BR-33
	5. Master cylinder is faulty	BR-17
	6. Booster push rod clearance is out of adjustment	BR-22
Brake drag	1. Brake pedal free play (Minimal)	BR-10
	2. Parking brake lever travel clearance is out of adjustment	PB-1
	3. Parking brake cable is stuck	PB-12
	4. Parking brake shoe clearance is out of adjustment	PB-17
	5. Pad is cracked or distorted (for front)	BR-27
	6. Pad is cracked or distorted (for rear)	BR-34
	7. Piston is stuck (for front)	BR-26
	8. Piston is stuck (for rear)	BR-33
	9. Piston is frozen (for front)	BR-26
	10. Piston is frozen (for rear)	BR-33
	11. Booster push rod clearance is out of adjustment	BR-22
	12. Vacuum check valve	BR-22
	13. Vacuum leaks in the booster system	BR-20
	14. Master cylinder is faulty	BR-17
Brake pull	1. Piston is stuck (for front)	BR-26
	2. Piston is stuck (for rear)	BR-33
	3. Pad is oily (for front)	BR-27
	4. Pad is oily (for rear)	BR-34
	5. Piston is frozen (for front)	BR-26
	6. Piston is frozen (for rear)	BR-33
	7. Disc is scored (for front)	BR-27
	8. Disc is scored (for rear)	BR-34
	9. Pad is cracked or distorted (for front)	BR-27
	10. Pad is cracked or distorted (for rear)	BR-34

Symptom	Suspected Area	See page
Hard pedal but brake inefficient	1. Fluid leaks in the brake system	BR-3
	2. Air in the brake system	BR-3
	3. Pad is worn (for front)	BR-27
	4. Pad is worn (for rear)	BR-34
	5. Pad is cracked or distorted (for front)	BR-27
	6. Pad is cracked or distorted (for rear)	BR-34
	7. Pad is oily (for front)	BR-27
	8. Pad is oily (for rear)	BR-34
	9. Pad is glazed (for front)	BR-27
	10. Pad is glazed (for rear)	BR-34
	11. Disc is scored (for front)	BR-27
	12. Disc is scored (for rear)	BR-34
	13. Booster push rod clearance is out of adjustment	BR-22
	14. Vacuum check valve	BR-22
	15. Vacuum leaks in the booster system	BR-20
Brake noise	1. Pad is cracked or distorted (for front)	BR-27
	2. Pad is cracked or distorted (for rear)	BR-34
	3. Installation bolt is loosen (for front)	BR-25
	4. Installation bolt is loosen (for rear)	BR-32
	5. Disc is scored (for front)	BR-27
	6. Disc is scored (for rear)	BR-34
	7. Pad support plate is loosen (for front)	BR-25
	8. Pad support plate is loosen (for rear)	BR-32
	9. Sliding pin is worn (for front)	BR-25
	10. Sliding pin is worn (for rear)	BR-32
	11. Pad is dirty (for front)	BR-27
	12. Pad is dirty (for rear)	BR-34
	13. Pad is glazed (for front)	BR-27
	14. Pad is glazed (for rear)	BR-34
	15. Anti-squeal shim is damaged (for front)	BR-25
	16. Anti-squeal shim is damaged (for rear)	BR-32

BRAKE FLUID

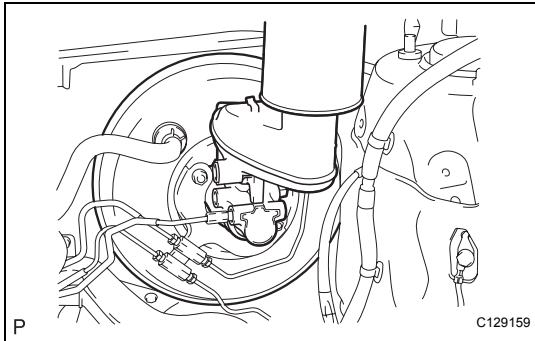
BLEEDING

HINT:

If any work is performed on the brake system or if air in the brake lines is suspected, bleed the air from the brake system.

NOTICE:

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



1. FILL RESERVOIR WITH BRAKE FLUID

- (a) Fill the reservoir with brake fluid.

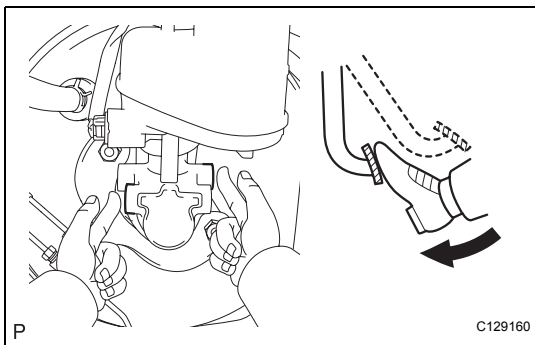
Fluid:

SAE J1703 or FMVSS No. 116 DOT3

2. BLEED MASTER CYLINDER

HINT:

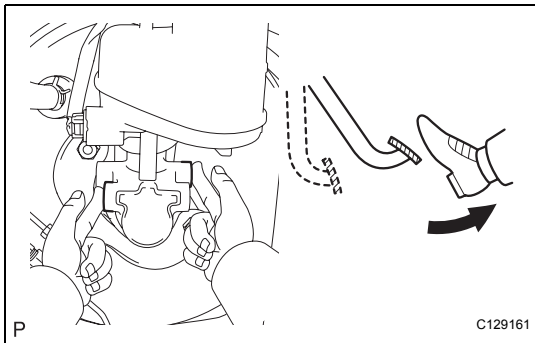
If the master cylinder has been disassembled or if the reservoir has become empty, bleed the air from the master cylinder.



- (a) Disconnect the brake lines from the master cylinder.

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- (b) Slowly depress and hold the brake pedal.



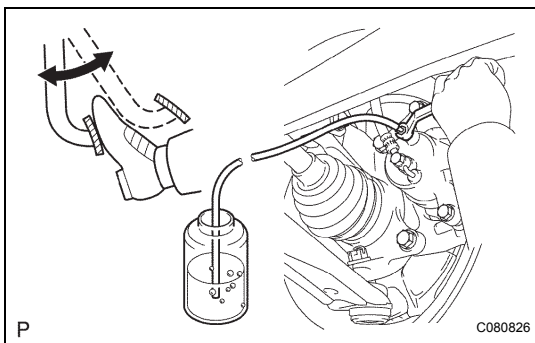
- (c) Cover the outer holes with your fingers, and release the brake pedal.

- (d) Repeat the above bleeding operation several times until the air in the master cylinder is temporarily bled out.

- (e) Connect the brake lines to the master cylinder.

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Torque: 15 N*m (155 kgf*cm, 11 ft.*lbf)



3. BLEED BRAKE LINE

- (a) Connect the vinyl tube to the bleeder plug.

- (b) Depress the brake pedal several times, then loosen the bleeder plug with the pedal depressed.

- (c) When fluid stops coming out, tighten the bleeder plug, then release the brake pedal. (Procedure "B")

- (d) Repeat the above bleeding operation until all air in the fluid is completely bled out.

- (e) Completely tighten the bleeder plug.

Torque: 8.3 N*m (85 kgf*cm, 73 in.*lbf)

- (f) Repeat the above procedures for each wheel to bleed the air from the brake line.

4. BLEED ABS & TRACTION ACTUATOR ASSEMBLY (w/ VSC)

NOTICE:

After bleeding the air from the brake system, if the height or feel of the brake pedal cannot be obtained, bleed the air from the brake actuator assembly with a intelligent tester by following the procedures below.

- (a) Depress the brake pedal more than 20 times with the engine off.
- (b) Connect the intelligent tester to the DLC3, and turn the ignition switch on (IG).

NOTICE:

Do not start the engine.

- (c) Select "AIR BLEEDING" on the intelligent tester.

HINT:

Refer to the intelligent tester operator's manual for further details.

- (d) Bleed the air from the brake line when "Step 1: Increase" appears on the intelligent tester display.

NOTICE:

- **Bleed the air by following the steps displayed on the intelligent tester.**
- **Make sure that the master cylinder reservoir tank does not become empty of brake fluid.**

- (1) Cannot the vinyl tube to either one of the bleeder plugs.
- (2) Depress the brake pedal several times, then loosen the bleeder plug connected to the vinyl tube with the pedal depressed.
- (3) When fluid stops coming out, tighten the bleeder plug and release the brake pedal.
- (4) Repeat the above bleeding operation until all air in the fluid is completely bled out.
- (5) Tighten the bleeder plug completely.

Torque: 8.3 N*m (85 kgf*cm, 73 in.*lbf)

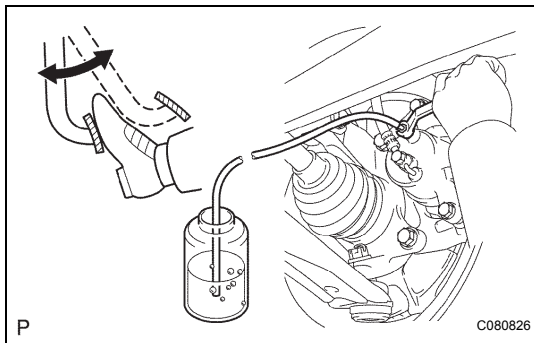
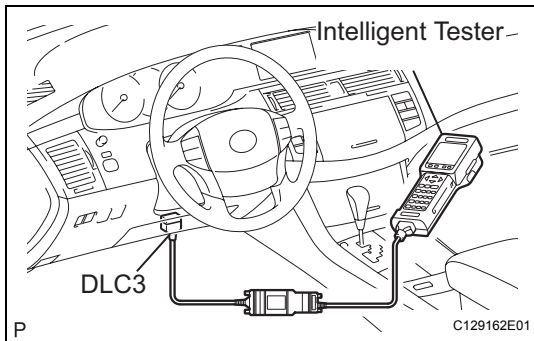
- (6) Repeat the above procedures for each wheel to bleed the air from the brake line.

- (e) Bleed the air from the suction line when "Step2: Inhalation" appears on the intelligent tester display.

NOTICE:

- **Bleed the air by following the steps displayed on the intelligent tester.**
- **Make sure that the master cylinder reservoir tank does not become empty of brake fluid.**

- (1) Connect the vinyl tube to the bleeder plug at the right front wheel or the right rear wheel and loosen the bleeder plug.



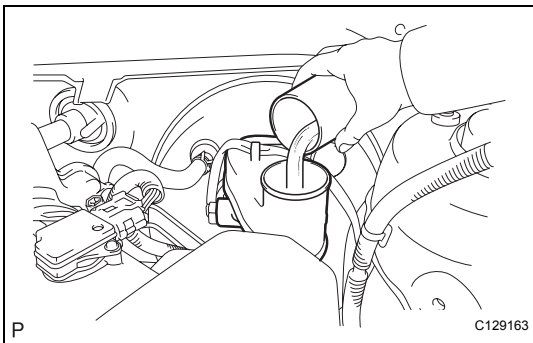
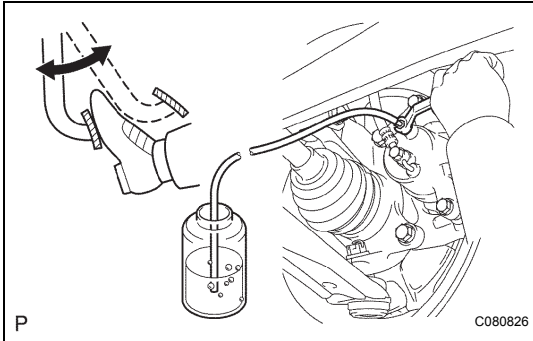
- (2) Operate the brake actuator assembly to bleed the air using the intelligent tester.
NOTICE:
 - **This operation stops automatically after 4 seconds.**
 - **At this time, be sure to release the brake pedal.**
 - (3) Check if the operation has stopped by referring to the intelligent tester display.
 - (4) Repeat the above bleeding operation until all air in the fluid is completely bled out.
 - (5) Completely tighten the bleeder plug.
Torque: 8.3 N*m (85 kgf*cm, 73 in.*lbf)
 - (6) Repeat the above procedures to bleed the air from the brake line for each wheel.
- (f) Bleed the air from the pressure reduction line when "Step3: Decrease" appears on the intelligent tester display.
NOTICE:
- **Bleed the air by following the steps displayed on the intelligent tester.**
 - **Make sure that the master cylinder reservoir tank does not become empty of brake fluid.**
- (1) Connect the vinyl tube to either one of the bleeder plugs (Procedure "A").
 - (2) Loosen the bleeder plug.
 - (3) Using the intelligent tester, operate the brake actuator assembly, completely depress and hold the brake pedal (Procedure "B").
NOTICE:
 - **This operation stops automatically after 4 seconds. When performing this procedure continuously, set an interval of at least 20 seconds.**
 - **When the operation is complete, the brake pedal goes down slightly. This is a normal phenomenon caused when the solenoid opens.**
 - **During this procedure, the pedal will feel heavy, but completely depress it so that the brake fluid comes out from the bleeder plug.**
 - **Be sure to keep the brake pedal depressed. Do not repeatedly depress and release the pedal.**
 - (4) Tighten the bleeder plug, then release the brake pedal (Procedure "C").
 - (5) Repeat the above bleeding operation until all air in the fluid is completely bled out (See procedure "A" to "C").
 - (6) Completely tighten the bleeder plug.
Torque: 8.3 N*m (85 kgf*cm, 73 in.*lbf)
 - (7) Repeat the above procedures for each wheel to bleed the air from the brake line.

- (g) Bleed the air from the brake line again when "Step4: Increase" appears on the intelligent tester display.

NOTICE:

- Bleed the air by following the steps displayed on the intelligent tester.
- Make sure that the master cylinder reservoir tank does not become empty of brake fluid.

- (1) Connect the vinyl tube to either one of the bleeder plugs.
- (2) Depress the brake pedal several times, then loosen the bleeder plug connected to the vinyl tube with the pedal depressed.
- (3) When fluid stops coming out, tighten the bleeder plug, then release the brake pedal.
- (4) Repeat the above bleeding operation until all air in the fluid is completely bled out.
- (5) Completely tighten the bleeder plug.
Torque: 8.3 N*m (85 kgf*cm, 73 in.*lbf)
- (6) Repeat the above procedures for each wheel to bleed the air from the brake line.

**5. CHECK FLUID LEVEL IN RESERVOIR**

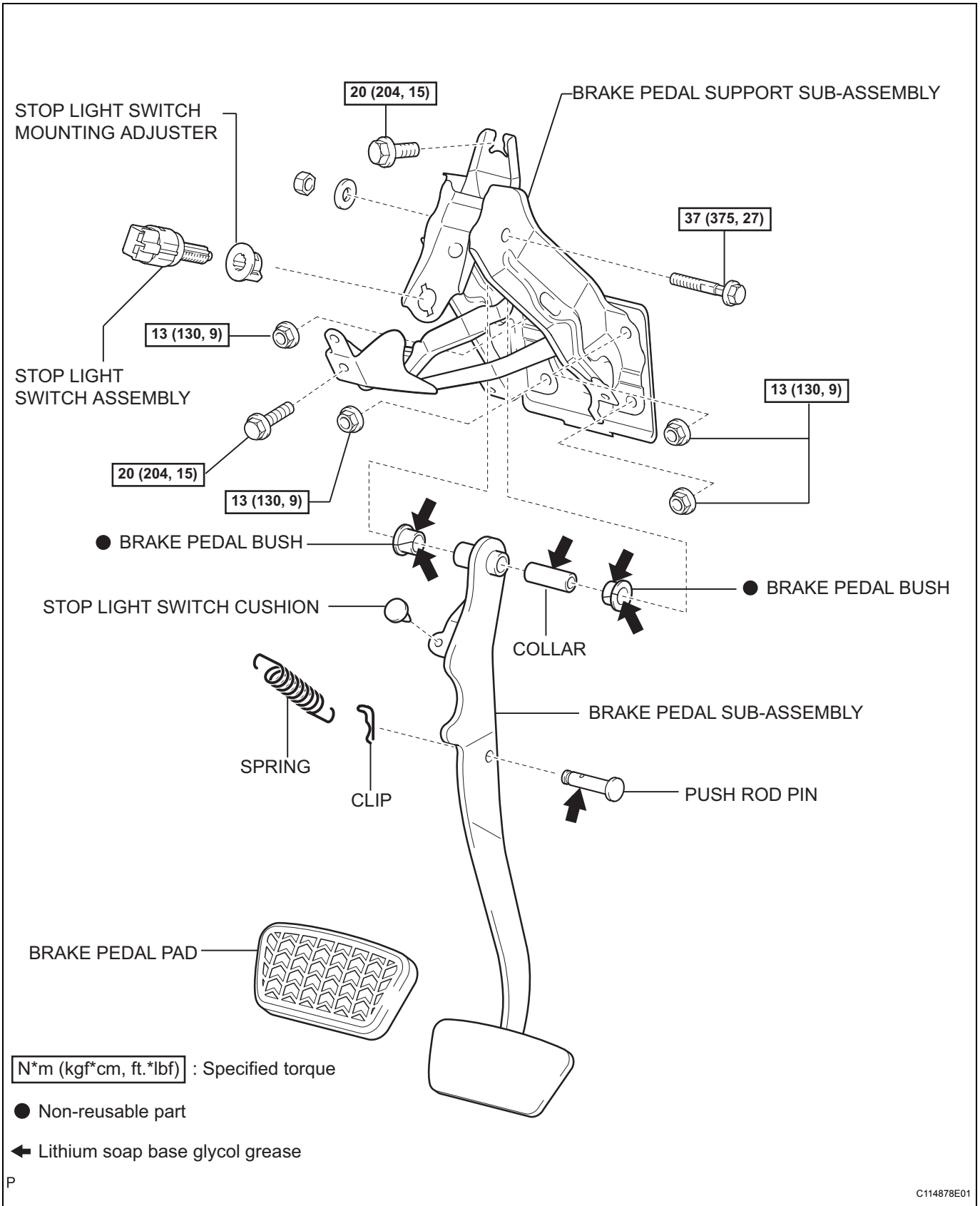
- (a) Check the fluid level and add fluid if necessary.

Fluid:

SAE J1703 or FMVSS No. 116 DOT3

BRAKE PEDAL

COMPONENTS

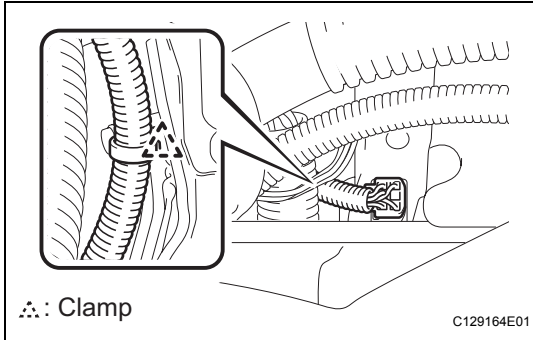


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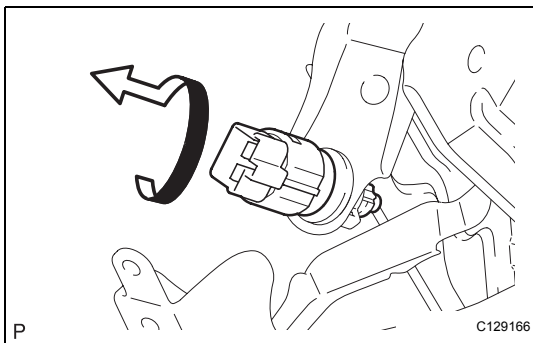
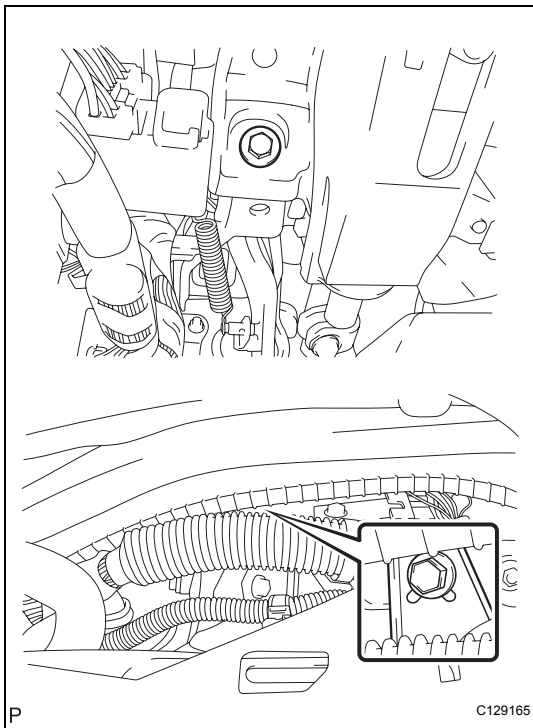
REMOVAL

1. DISCONNECT BATTERY NEGATIVE TERMINAL (See page [RS-303](#))
2. REMOVE WINDSHIELD WIPER ARM AND BLADE ASSEMBLY LH (See page [WW-38](#))
3. REMOVE WINDSHIELD WIPER ARM AND BLADE ASSEMBLY RH (See page [WW-38](#))
4. REMOVE COWL TOP VENTILATOR LOUVER (See page [WW-38](#))
5. REMOVE WINDSHIELD WIPER MOTOR AND LINK ASSEMBLY (See page [WW-38](#))
6. REMOVE COWL TOP PANEL OUTER (See page [BR-20](#))
7. DRAIN BRAKE FLUID
8. REMOVE AIR CLEANER ASSEMBLY
9. REMOVE BRAKE MASTER WITH PLATE CYLINDER SUB-ASSEMBLY (See page [BR-17](#))
10. DISCONNECT VACUUM HOSE ASSEMBLY (See page [BR-21](#))
11. REMOVE FRONT BRAKE TUBE NO.5 (See page [BR-21](#))
12. REMOVE FRONT DOOR SCUFF PLATE (See page [IR-12](#))
13. REMOVE COWL SIDE TRIM SUB-ASSEMBLY (See page [IR-12](#))
14. REMOVE INSTRUMENT SIDE PANEL (See page [IP-14](#))
15. REMOVE INSTRUMENT PANEL FINISH LOWER PANEL (See page [IP-12](#))
16. REMOVE INSTRUMENT PANEL AIR BAG ASSEMBLY LOWER NO.1
17. REMOVE INSTRUMENT CLUSTER FINISH PANEL GARNISH NO.1 (See page [IP-9](#))
18. REMOVE INSTRUMENT CLUSTER FINISH PANEL GARNISH NO.2 (See page [IP-9](#))
19. REMOVE INSTRUMENT CLUSTER FINISH PANEL SUB-ASSEMBLY CENTER
20. REMOVE INSTRUMENT CLUSTER FINISH PANEL SUB-ASSEMBLY (See page [IP-10](#))
21. REMOVE COMBINATION METER ASSEMBLY (See page [ME-70](#))
22. REMOVE PUSH ROD PIN (See page [BR-21](#))
23. REMOVE BRAKE BOOSTER ASSEMBLY (See page [BR-22](#))

24. REMOVE BRAKE BOOSTER GASKET
25. REMOVE INSTRUMENT PANEL JUNCTION BLOCK ASSEMBLY
26. REMOVE BRAKE PEDAL RETURN SPRING (See page BR-21)
27. REMOVE BRAKE PEDAL SUPPORT SUB-ASSEMBLY
 - (a) Disconnect the stop light switch connector and wire harness clamp.

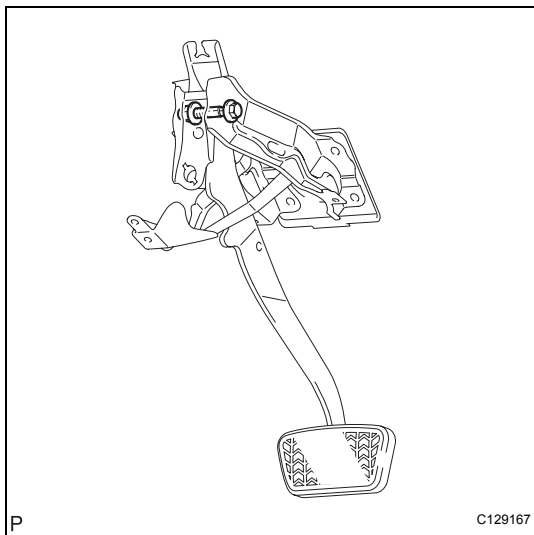


- (b) Remove the 2 bolts and brake pedal support sub-assembly.



DISASSEMBLY

1. REMOVE STOP LIGHT SWITCH ASSEMBLY
 - (a) Turn the stop light switch assembly counterclockwise and remove the stop light switch assembly.
 - (b) Remove the stop light switch mounting adjuster.



2. REMOVE BRAKE PEDAL SUB-ASSEMBLY

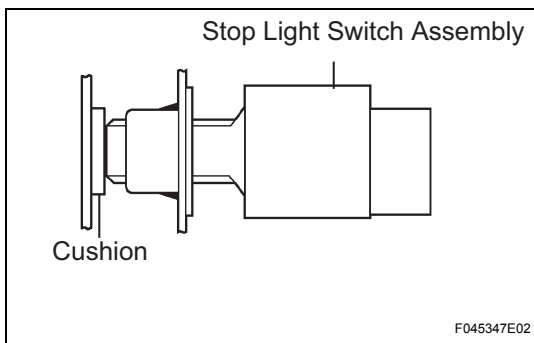
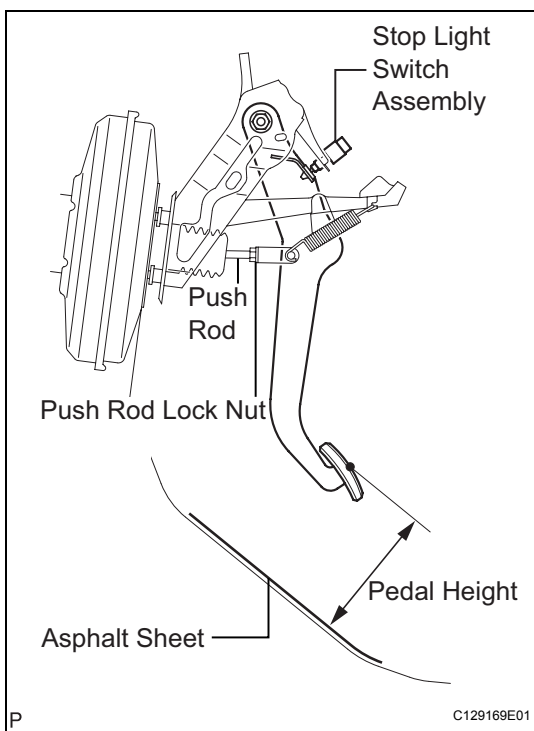
- (a) Remove the nut, bolt, washer and brake pedal sub-assembly from the brake pedal support sub-assembly.
- (b) Remove the 2 brake pedal bushes and collar from the brake pedal sub-assembly.

3. REMOVE BRAKE PEDAL PAD

ADJUSTMENT

1. CHECK AND ADJUST BRAKE PEDAL HEIGHT

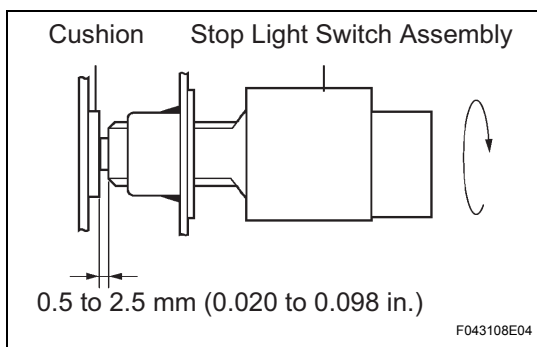
- (a) Check brake pedal height.
Pedal height from asphalt sheet:
143.3 to 153.3 mm (5.641 to 6.035 in.)
- (b) Adjust brake pedal height.
 - (1) Remove instrument panel sub-assembly LWR No.1 and instrument panel airbag assembly LWR No.1.
 - (2) Disconnect the stop light switch assembly connector from the stop light switch assembly.
 - (3) Turn the stop light switch assembly counterclockwise and remove the stop light switch assembly.
 - (4) Adjust the pedal height by turning the pedal push rod.
 - (5) Tighten the push rod lock nut.
Torque: 26 N*m (265 kgf*cm, 19 ft.*lbf)



- (6) Insert the stop light switch assembly until the body hits the cushion.

NOTICE:

When inserting the stop light switch assembly, support the pedal from behind so that the pedal is not pushed in.



- (7) Make a quarter turn clockwise to install the stop light switch assembly.

NOTICE:

- When inserting the stop light switch assembly, support the pedal from behind so that the pedal is not pushed in.
- The turning torque for installing the stop light switch assembly.

Torque: 1.5 N*m (15 kgf*cm, 13 in.*lbf) or less

- (8) Connect the stop light switch connector to the stop light switch assembly.
 (9) Check the protrusion of the rod.

Protrusion of the rod:

0.5 to 2.5 mm (0.020 to 0.098 in.)

- (10) Install instrument panel sub-assembly LWR No.1 and instrument panel airbag assembly LWR No.1.

2. CHECK PEDAL FREE PLAY

- (a) Stop the engine and depress the brake pedal several times until no vacuum remains in the booster.
 (b) Press the pedal until resistance is felt. Measure the distance as shown in the illustration.

Pedal free play:

1.0 to 6.0 mm (0.039 to 0.236 in.)

If incorrect, proceed to the following step.

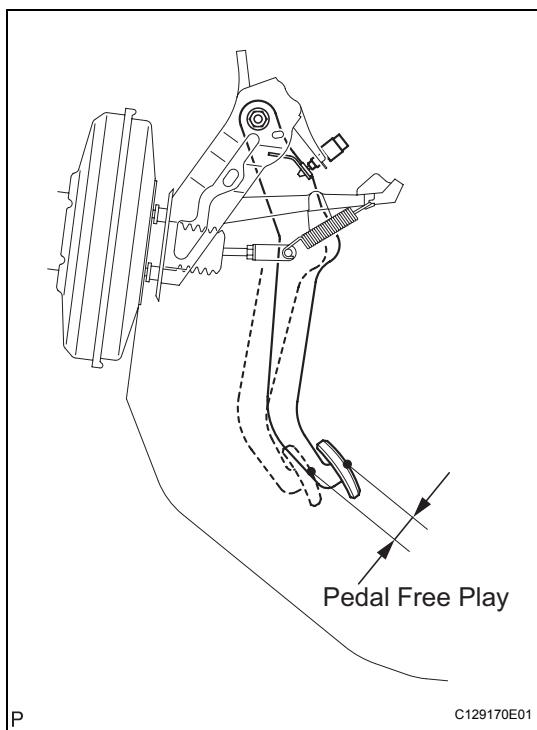
- (1) Check the stop light switch clearance.

Stop light switch clearance:

0.5 to 2.5 mm (0.020 to 0.098 in.)

If correct, the pedal free play is OK.

If incorrect, adjust the stop light switch clearance.

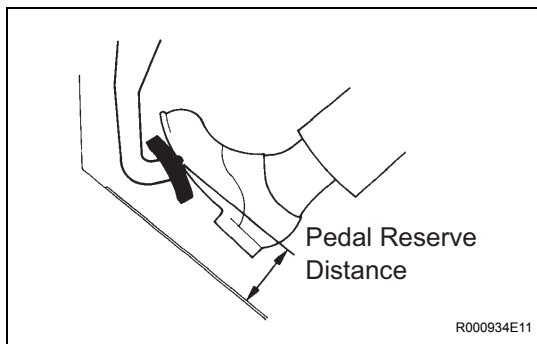
**3. CHECK PEDAL RESERVE DISTANCE**

- (a) Release the parking brake pedal.
 With the engine running, depress the brake pedal and measure the pedal reserve distance as shown in the illustration.

Pedal reserve distance from asphalt sheet at 490 N (50 kgf, 110 lbf):

More than 77 mm (3.0 in.)

If incorrect, troubleshoot the brake system.



REASSEMBLY

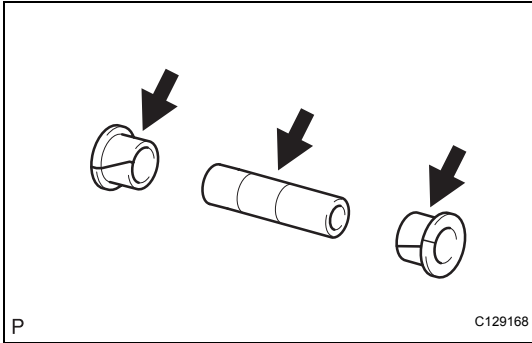
1. INSTALL BRAKE PEDAL PAD

2. INSTALL BRAKE PEDAL SUB-ASSEMBLY

- (a) Install 2 new brake pedal bushes and the collar to the brake pedal sub-assembly.

HINT:

Apply lithium soap base glycol grease to the parts indicated by arrows.



- (b) Install the brake pedal sub-assembly with the bolt, washer and nut.

Torque: 37 N*m (375 kgf*cm, 27 ft.*lbf)

3. INSTALL STOP LIGHT SWITCH ASSEMBLY

- (a) Install the stop light switch mounting adjuster.
 (b) Insert the stop light switch assembly until the body hits the cushion.
 (c) Make a quarter turn clockwise to install the stop light switch assembly.
 (d) Connect the stop light switch connector.

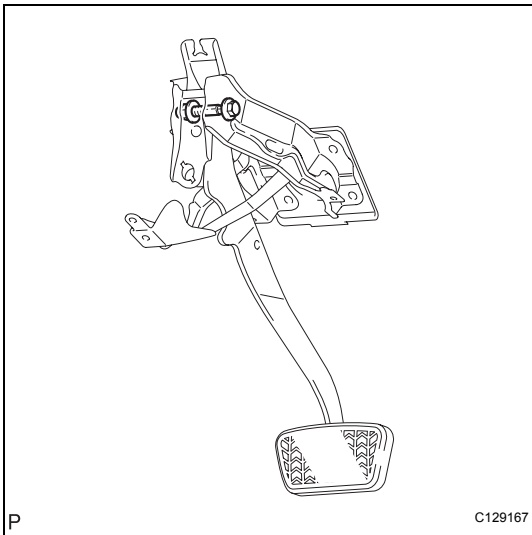
NOTICE:

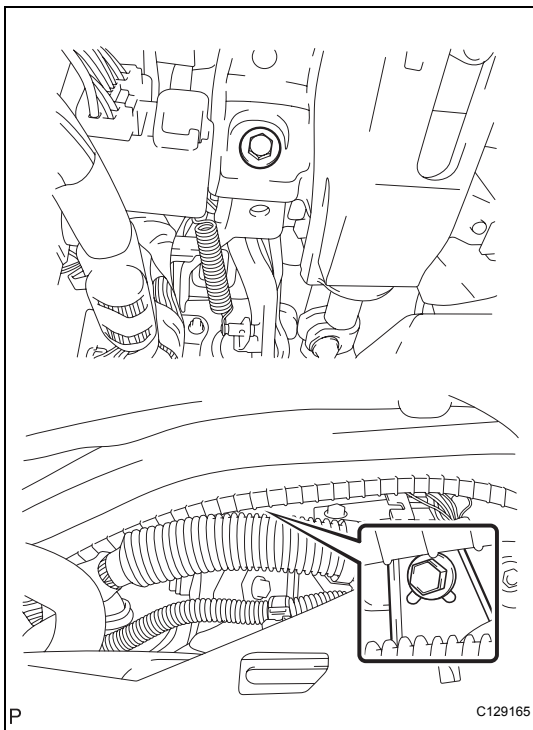
- **When inserting the stop light switch assembly, support the pedal from behind so that the pedal is not pushed in.**
- **The turning torque for installing the stop light switch assembly**

Torque: 1.5 N*m (15 kgf*cm, 13 in.*lbf) or less

HINT:

After adjusting the brake pedal height, adjust the stop light switch assembly.

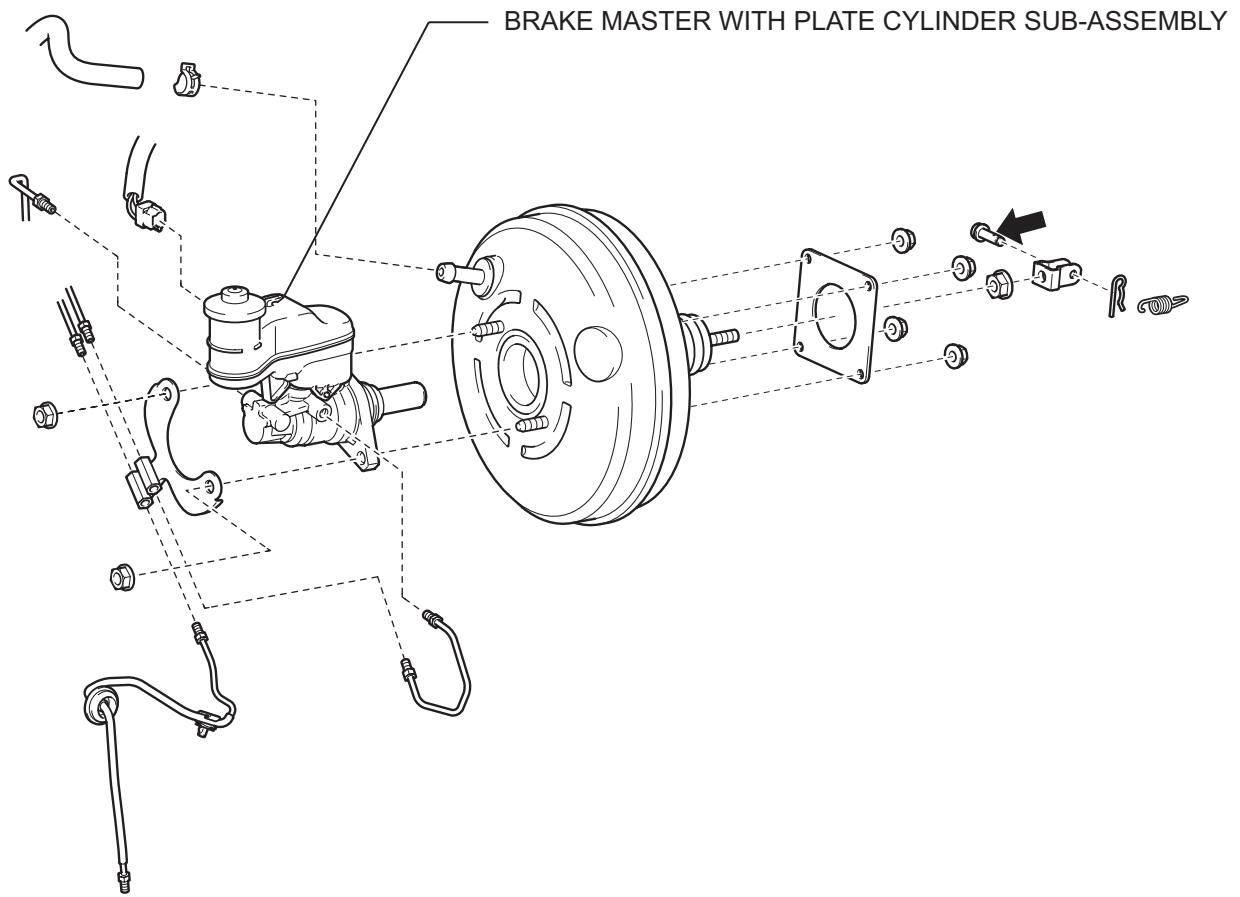




INSTALLATION

1. **INSTALL BRAKE PEDAL SUPPORT SUB-ASSEMBLY**
 - (a) Temporarily install the brake pedal support sub-assembly with the 2 bolts.
 - (b) Install the brake booster gasket (See page [BR-22](#)).
 - (c) Install the brake booster assembly (See page [BR-22](#)).
 - (d) Fully tighten the 2 bolts.
Torque: 20 N*m (204 kgf*cm, 15 ft.*lbf)
2. **INSTALL MASTER CYLINDER PUSH ROD CLEVIS** (See page [BR-22](#))
3. **INSTALL PUSH ROD PIN** (See page [BR-22](#))
4. **INSTALL BRAKE PEDAL RETURN SPRING**
5. **INSTALL COMBINATION METER ASSEMBLY**
6. **INSTALL INSTRUMENT CLUSTER FINISH PANEL SUB-ASSEMBLY**
7. **INSTALL INSTRUMENT CLUSTER FINISH PANEL SUB-ASSEMBLY CENTER**
8. **INSTALL INSTRUMENT CLUSTER FINISH PANEL GARNISH NO.2**
9. **INSTALL INSTRUMENT CLUSTER FINISH PANEL GARNISH NO.1**
10. **INSTALL FRONT BRAKE TUBE NO.5** (See page [BR-23](#))
11. **CONNECT VACUUM HOSE ASSEMBLY** (See page [BR-23](#))
12. **INSPECT AND ADJUST BRAKE BOOSTER PUSH ROD** (See page [BR-23](#))
13. **INSTALL BRAKE MASTER WITH PLATE CYLINDER SUB-ASSEMBLY** (See page [BR-23](#))
14. **FILL RESERVOIR WITH BRAKE FLUID** (See page [BR-3](#))
15. **BLEED MASTER CYLINDER** (See page [BR-3](#))
16. **BLEED BRAKE LINE** (See page [BR-3](#))
17. **INSTALL AIR CLEANER ASSEMBLY**
18. **CHECK FLUID LEVEL IN RESERVOIR** (See page [BR-6](#))
19. **CHECK BRAKE FLUID LEAKAGE**
20. **INSTALL COWL TOP PANEL OUTER** (See page [BR-23](#))
21. **INSTALL WINDSHIELD WIPER MOTOR AND LINK ASSEMBLY** (See page [WW-40](#))
22. **INSTALL WINDSHIELD WIPER ARM AND BLADE ASSEMBLY RH** (See page [WW-40](#))

23. **INSTALL WINDSHIELD WIPER ARM AND BLADE ASSEMBLY LH (See page [WW-41](#))**
24. **CHECK AND ADJUST BRAKE PEDAL HEIGHT (See page [BR-10](#))**
25. **CHECK PEDAL FREE PLAY (See page [BR-11](#))**
26. **CHECK PEDAL RESERVE DISTANCE (See page [BR-11](#))**
27. **INSTALL INSTRUMENT PANEL AIR BAG ASSEMBLY LOWER NO.1**
28. **INSTALL INSTRUMENT PANEL FINISH LOWER PANEL**
29. **INSTALL INSTRUMENT SIDE PANEL**
30. **INSTALL COWL SIDE TRIM SUB-ASSEMBLY**
31. **INSTALL FRONT DOOR SCUFF PLATE**
32. **CONNECT BATTERY NEGATIVE TERMINAL**
33. **INSPECT SRS WARNING LIGHT (See page [RS-306](#))**
34. **PERFORM INITIALIZATION**
 - (a) Some systems need initialization after reconnecting the negative battery cable.



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REMOVAL

1. DRAIN BRAKE FLUID

NOTICE:

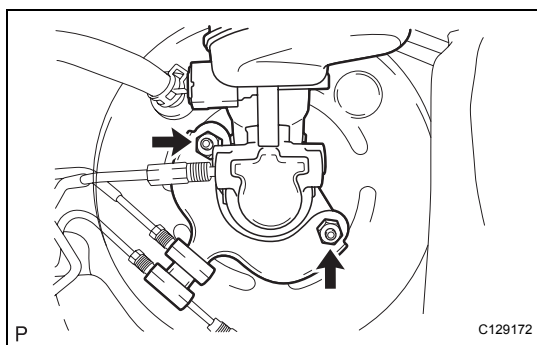
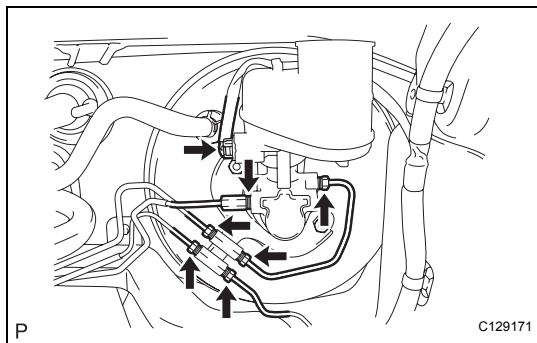
Wash brake fluid off immediately if it adheres to any painted surface.

2. REMOVE AIR CLEANER ASSEMBLY

3. REMOVE BRAKE MASTER WITH PLATE CYLINDER SUB-ASSEMBLY

- (a) Disconnect the level warning switch connector.
- (b) Using SST, disconnect the 6 brake tubes from the brake master w/ plate cylinder sub-assembly.

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- (c) Remove the 2 nuts, and pull out the 2-way and brake master w/ plate cylinder sub-assembly.

INSPECTION

1. INSPECT AND ADJUST BRAKE BOOSTER PUSH ROD

NOTICE:

Make an adjustment with the brake booster assembly having no vacuum. (Depress the brake pedal several times with the engine off.)

HINT:

Adjustment of the brake booster push rod is required if the brake master cylinder sub-assembly is replaced with a new one. The adjustment is not necessary if the brake master cylinder sub-assembly is reinstalled and the brake booster assembly is replaced with a new one.

- (a) Apply the chalk to the tip of an accessory tool.

HINT:

An accessory tool is enclosed with a new brake master cylinder sub-assembly.

- (b) Place the accessory tool on the brake booster assembly.

- (c) Measure the clearance between the brake booster push rod and accessory tool.

Clearance:

0 mm (0 in.)

HINT:

Adjust the clearance in the following cases:

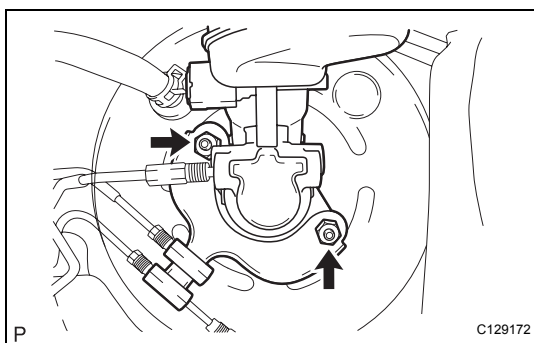
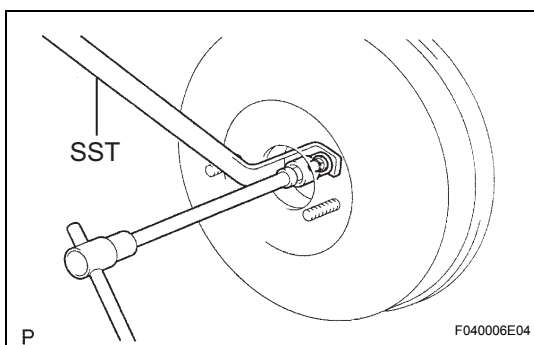
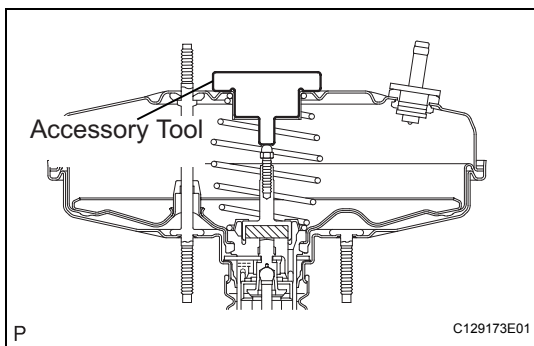
- If there is a clearance between the accessory tool and the shell of the brake booster (floating accessory tool), the push rod is protruding too far.
- If the chalk does not stick on the tip of the brake booster push rod, the push rod protrusion is insufficient.

- (d) If clearance is outside the specified range, fix the push rod using SST and adjust the length of the protruding adjusting bolt.

SST 09737-00020

HINT:

When adjusting the push rod, depress the brake pedal sufficiently so that the push rod sticks out.

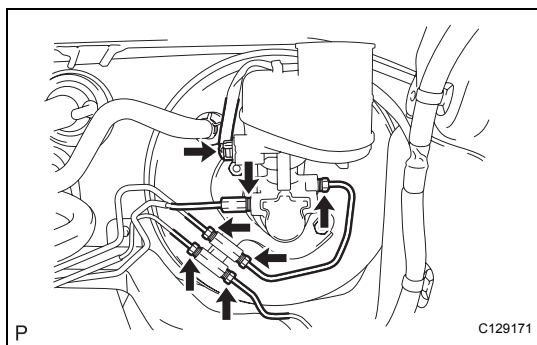


INSTALLATION

1. INSTALL BRAKE MASTER WITH PLATE CYLINDER SUB-ASSEMBLY

- (a) Install the master cylinder sub-assembly and 2-way with the 2 nuts.

Torque: 13 N*m (130 kgf*cm, 9 ft.*lbf)



(b) Using SST, connect the 6 brake tubes to the master cylinder sub-assembly.

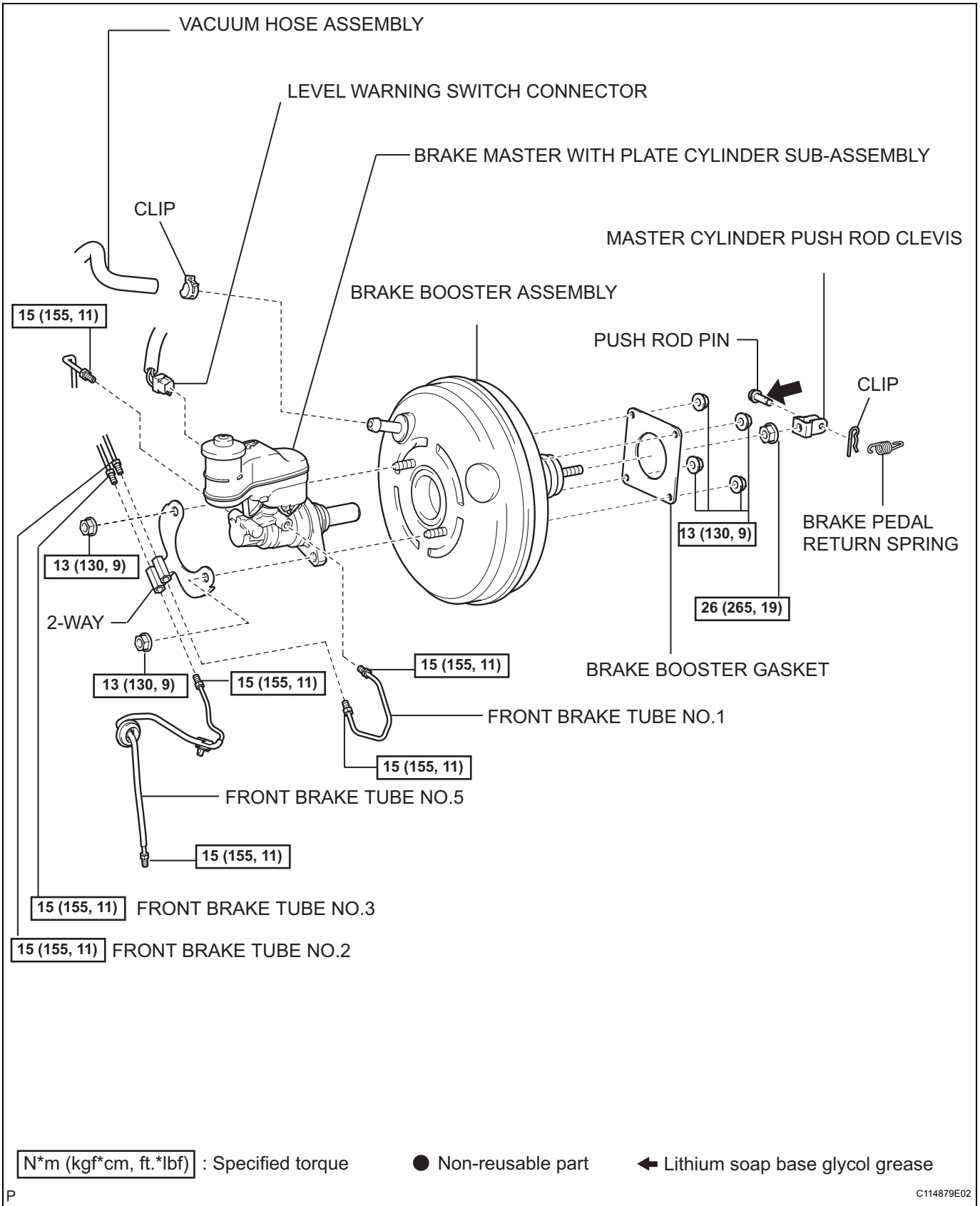
Torque: 15 N*m (155 kgf*cm, 11 ft.*lbf)

SST 09023-00101

(c) Connect the level warning switch connector.

2. **FILL RESERVOIR WITH BRAKE FLUID (See page BR-3)**
3. **BLEED MASTER CYLINDER (See page BR-3)**
4. **BLEED BRAKE LINE (See page BR-3)**
5. **INSTALL AIR CLEANER ASSEMBLY**
6. **CHECK FLUID LEVEL IN RESERVOIR (See page BR-6)**
7. **CHECK BRAKE FLUID LEAKAGE**

BRAKE BOOSTER COMPONENTS



BR

ON-VEHICLE INSPECTION

1. INSPECT BRAKE BOOSTER

(a) Air tightness check.

- (1) Start the engine and stop it after 1 or 2 minutes. Slowly depress the brake pedal several times.

HINT:

If the pedal can be depressed to the floor the first time, but on the 2nd and 3rd time cannot be depressed as far, the booster is airtight.

- (2) Depress the brake pedal while the engine is running, and stop the engine with the pedal depressed.

HINT:

If there is no change in the pedal reserve distance while holding the pedal for 30 seconds, the booster is airtight.

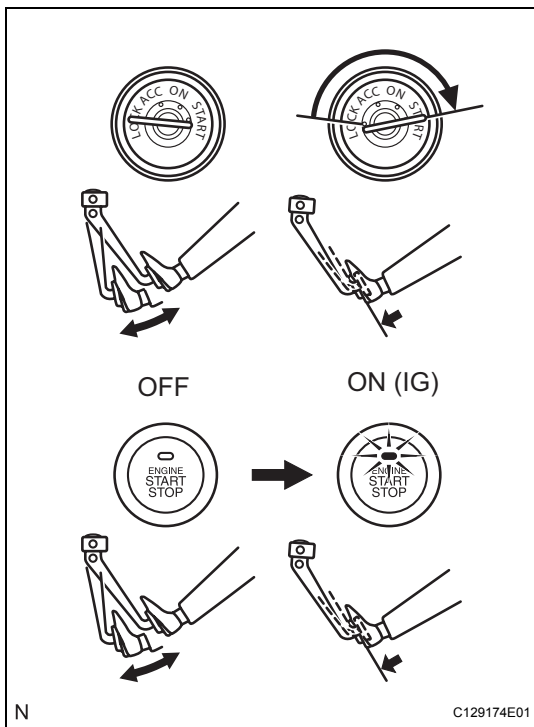
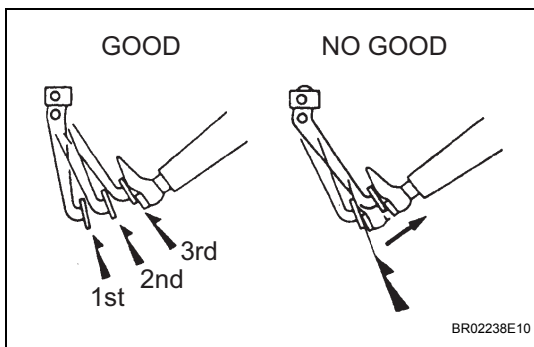
(b) Operating check.

- (1) Depress the brake pedal several times with the ignition switch off and check that there is no change in the pedal reserve distance when the pedal is depressed.

- (2) Start the engine with the brake pedal depressed.

HINT:

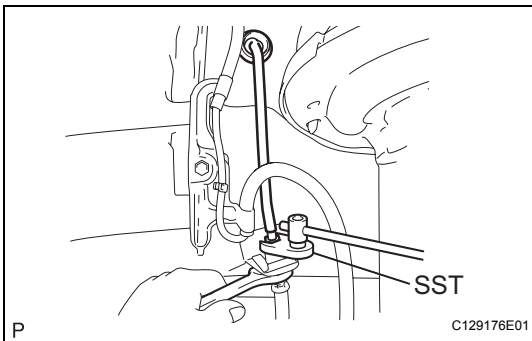
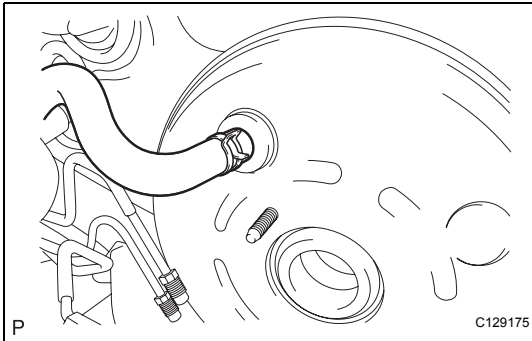
If the pedal goes down slightly, operation is normal.



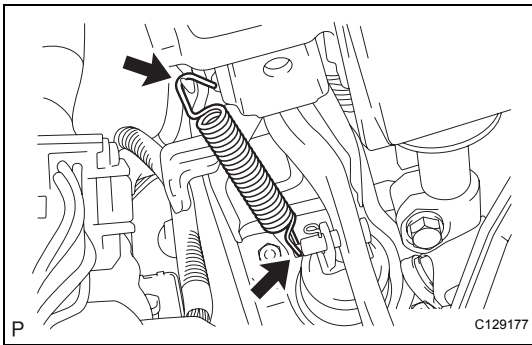
REMOVAL

1. REMOVE WINDSHIELD WIPER ARM AND BLADE ASSEMBLY LH (See page [WW-38](#))
2. REMOVE WINDSHIELD WIPER ARM AND BLADE ASSEMBLY RH (See page [WW-38](#))
3. REMOVE COWL TOP VENTILATOR LOUVER (See page [WW-38](#))
4. REMOVE WINDSHIELD WIPER MOTOR AND LINK ASSEMBLY (See page [WW-38](#))
5. REMOVE COWL TOP PANEL OUTER
 - (a) Remove the 4 bolts, 2 nuts and cowl top panel outer from the body.
6. DRAIN BRAKE FLUID

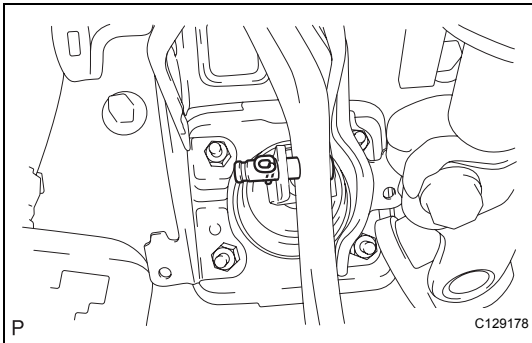
NOTICE:
Wash brake fluid off immediately if it adheres to any painted surface.
7. REMOVE AIR CLEANER ASSEMBLY
8. REMOVE BRAKE MASTER WITH PLATE CYLINDER SUB-ASSEMBLY
SST 09023-00101
9. DISCONNECT VACUUM HOSE ASSEMBLY
 - (a) Slide the clip and disconnect the vacuum hose from the brake booster assembly.



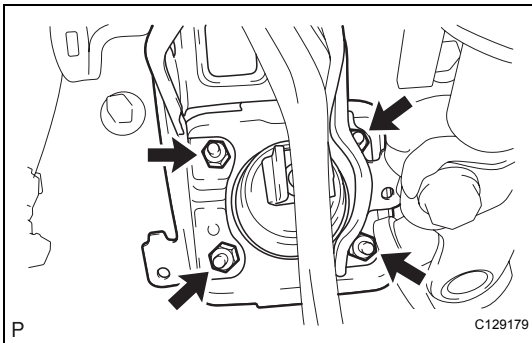
10. REMOVE FRONT BRAKE TUBE NO.5
 - (a) Using SST, remove front brake tube No.5.
SST 09023-00101
11. REMOVE FRONT DOOR SCUFF PLATE (See page [IR-12](#))
12. REMOVE COWL SIDE TRIM SUB-ASSEMBLY (See page [IR-12](#))
13. REMOVE INSTRUMENT SIDE PANEL (See page [IP-14](#))
14. REMOVE INSTRUMENT PANEL FINISH LOWER PANEL (See page [IP-12](#))
15. REMOVE INSTRUMENT PANEL AIR BAG ASSEMBLY LOWER NO.1

**16. REMOVE BRAKE PEDAL RETURN SPRING**

- (a) Remove the brake pedal return spring.

**17. REMOVE PUSH ROD PIN**

- (a) Remove the clip and push rod pin.

**18. REMOVE BRAKE BOOSTER ASSEMBLY**

- (a) Remove the 4 nuts.
 (b) Pull out the brake booster assembly.

NOTICE:

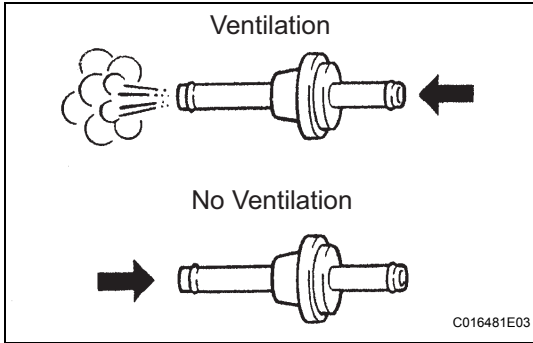
Do not damage the brake tubes and the wire harness.

19. REMOVE BRAKE BOOSTER GASKET

INSPECTION

1. INSPECT BRAKE VACUUM CHECK VALVE ASSEMBLY

- (a) Check the vacuum check valve.
 - (1) Slide the clip and disconnect the vacuum hose.
 - (2) Remove the vacuum check valve.
 - (3) Check that there is ventilation from the booster to the engine, and no ventilation from the engine to the booster.
 - (4) If any fault is found, replace the vacuum check valve.



INSTALLATION

1. INSTALL BRAKE BOOSTER GASKET

- (a) Install a new brake booster gasket to the brake booster.

2. INSTALL BRAKE BOOSTER ASSEMBLY

- (a) Install the brake booster with the 4 nuts.

Torque: 13 N*m (130 kgf*cm, 9 ft.*lbf)

NOTICE:

Do not damage the brake tubes and the wire harness.

3. INSTALL MASTER CYLINDER PUSH ROD CLEVIS

- (a) Install the push rod clevis and the push rod lock nut.

HINT:

After adjusting the brake pedal height, tighten the lock nut.

4. INSTALL PUSH ROD PIN

- (a) Apply lithium soap base glycol grease to the parts indicated by arrows (See page BR-19).

- (b) Install the push rod pin and clip.

5. INSTALL BRAKE PEDAL RETURN SPRING

6. INSTALL INSTRUMENT PANEL AIR BAG ASSEMBLY LOWER NO.1

7. INSTALL INSTRUMENT PANEL FINISH LOWER PANEL

8. INSTALL INSTRUMENT SIDE PANEL

9. INSTALL COWL SIDE TRIM SUB-ASSEMBLY

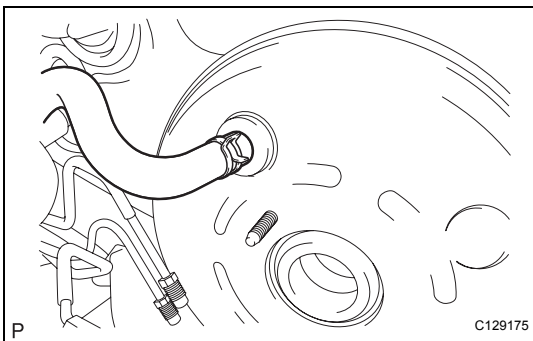
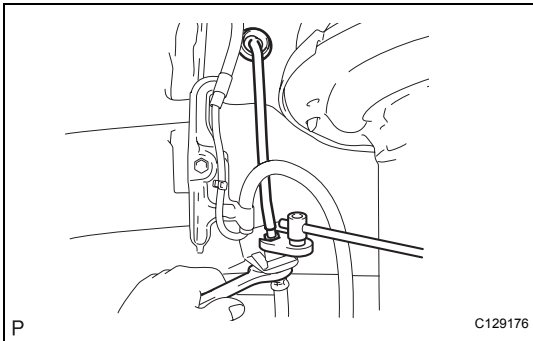
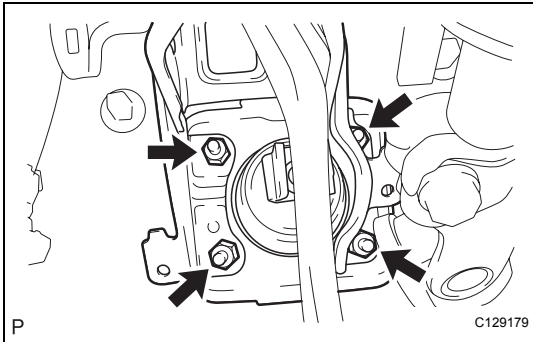
10. INSTALL FRONT DOOR SCUFF PLATE

11. INSTALL FRONT BRAKE TUBE NO.5

- (a) Using SST, install front brake tube No.5.

SST 09023-00101

Torque: 15 N*m (155 kgf*cm, 11 ft.*lbf)



12. CONNECT VACUUM HOSE ASSEMBLY

- (a) Connect the vacuum hose to the brake booster assembly and install the clip.

13. INSPECT AND ADJUST BRAKE BOOSTER PUSH ROD

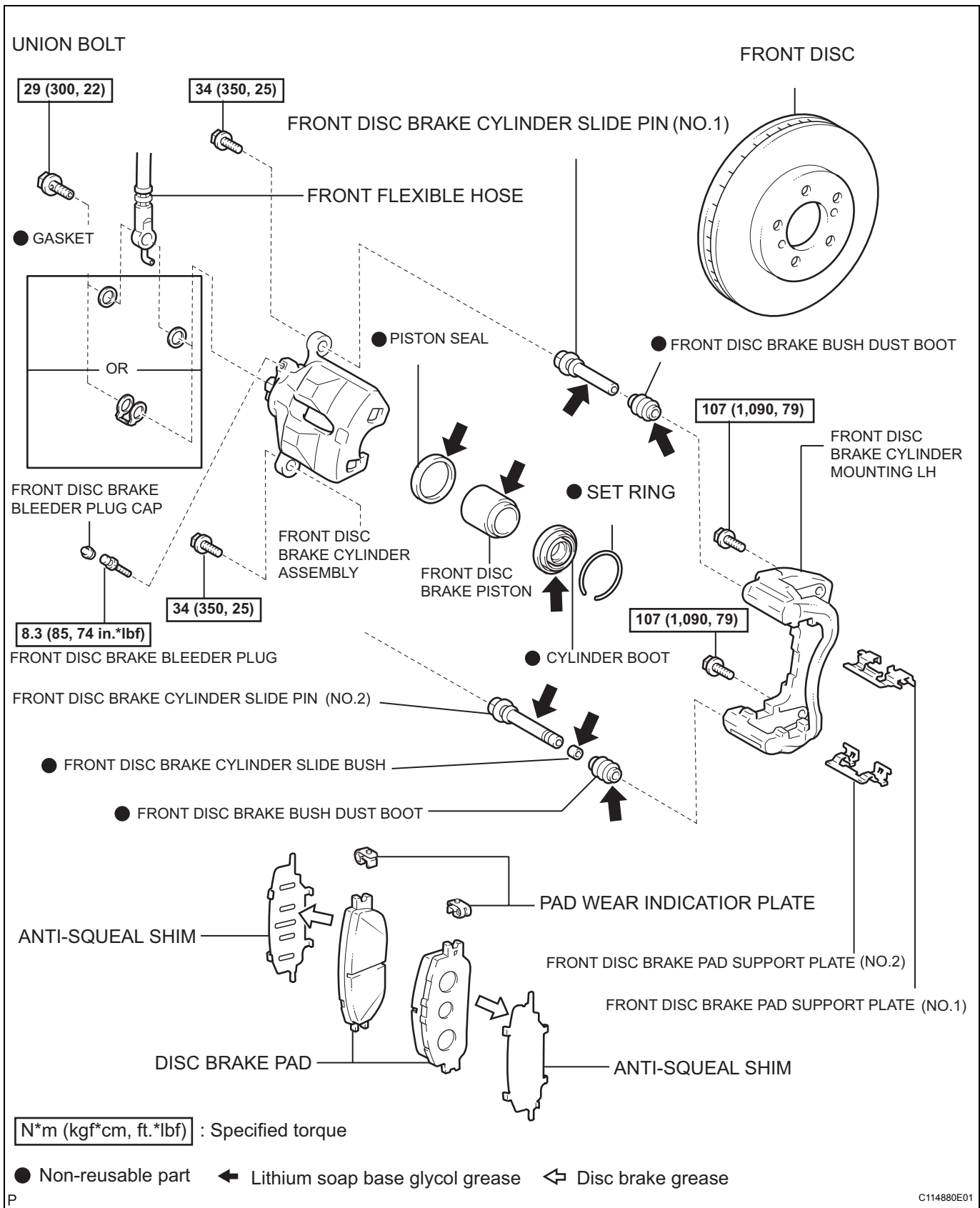
SST 09737-00020

14. INSTALL BRAKE MASTER WITH PLATE CYLINDER SUB-ASSEMBLY

SST 09023-00101

15. FILL RESERVOIR WITH BRAKE FLUID (See page [BR-3](#))
16. BLEED MASTER CYLINDER (See page [BR-3](#))
17. BLEED BRAKE LINE (See page [BR-3](#))
18. INSTALL AIR CLEANER ASSEMBLY
19. CHECK FLUID LEVEL IN RESERVOIR (See page [BR-6](#))
20. CHECK BRAKE FLUID LEAKAGE
21. INSTALL COWL TOP PANEL OUTER
 - (a) Install the cowl top panel outer with the 4 bolts and nut.
Torque: Nut
80 N*m (816 kgf*cm, 59 ft.*lbf)
22. INSTALL WINDSHIELD WIPER MOTOR AND LINK ASSEMBLY (See page [WW-40](#))
23. INSTALL WINDSHIELD WIPER ARM AND BLADE ASSEMBLY RH (See page [WW-40](#))
24. INSTALL WINDSHIELD WIPER ARM AND BLADE ASSEMBLY LH (See page [WW-41](#))
25. CHECK AND ADJUST BRAKE PEDAL HEIGHT (See page [BR-10](#))

FRONT BRAKE COMPONENTS



BR

REMOVAL

1. REMOVE FRONT WHEEL

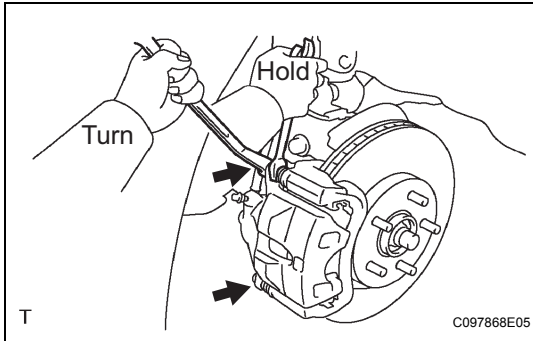
2. DRAIN BRAKE FLUID

NOTICE:

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

3. DISCONNECT FRONT FLEXIBLE HOSE

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



4. REMOVE DISC BRAKE CYLINDER ASSEMBLY LH

- (a) Hold the cylinder slide pin (No.1) and cylinder side pin (No.2), and remove the 2 bolts.
 (b) Remove the disc brake cylinder assembly.

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

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

6. REMOVE ANTI SQUEAL SHIM KIT FRONT

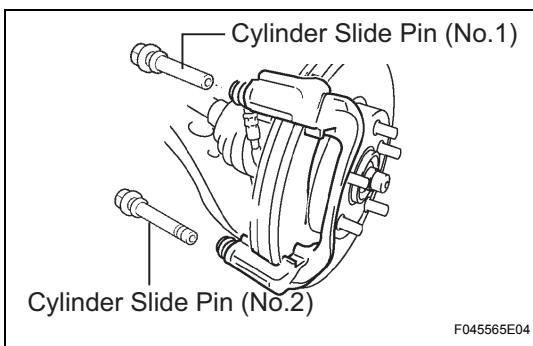
- (a) Remove the 2 anti-squeal shims from the pads.
 (b) Using a screwdriver, remove the 2 pad wear indicator plates from the pads.

7. REMOVE FRONT DISC BRAKE PAD SUPPORT PLATE

- (a) Remove the pad support plate (No.1) from the cylinder mounting LH.

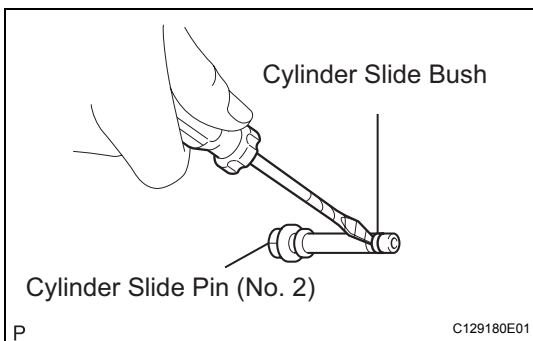
8. REMOVE FRONT DISC BRAKE PAD SUPPORT PLATE

- (a) Remove the pad support plate (No.2) from the cylinder mounting LH.



9. REMOVE FRONT DISC BRAKE CYLINDER SLIDE PIN

- (a) Remove the cylinder slide pin (No.1) and cylinder slide pin (No.2) from the cylinder mounting LH.



10. REMOVE FRONT DISC BRAKE CYLINDER SLIDE BUSH

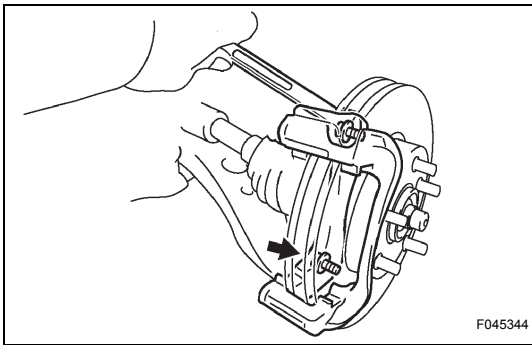
- (a) Using a screwdriver, remove the cylinder slide bush from the cylinder slide pin (No.2).

NOTICE:

Do not damage the cylinder slide pin (No.2).

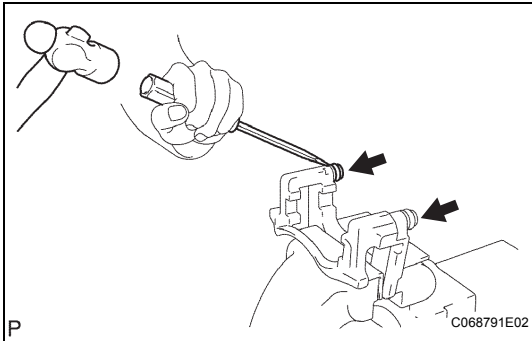
HINT:

Tape the screwdriver tip before use.



11. REMOVE FRONT DISC BRAKE CYLINDER MOUNTING LH

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



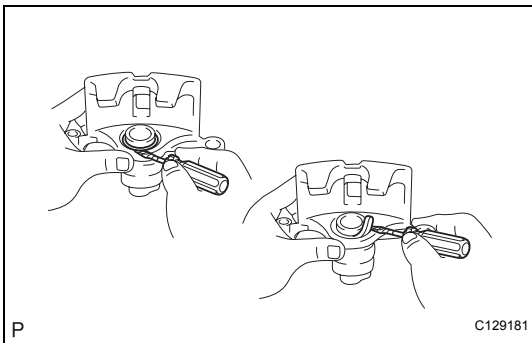
DISASSEMBLY

1. REMOVE FRONT DISC BRAKE BUSH DUST BOOT

- (a) Hold the cylinder mounting LH in a vise between aluminum plates.
 (b) Using a screwdriver and hammer, remove the 2 bush dust boots from the cylinder mounting LH.

NOTICE:

Do not damage the cylinder mounting LH.



2. REMOVE CYLINDER BOOT

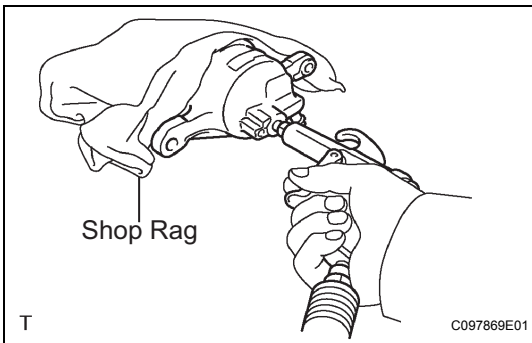
- (a) Using a screwdriver, remove the set ring and cylinder boot.

NOTICE:

Do not damage the piston groove or cylinder groove.

HINT:

Tape the screwdriver tip before use.



3. REMOVE FRONT DISC BRAKE PISTON

- (a) Place a shop rag or a piece of cloth between the disc brake piston and the disc brake cylinder assembly.
 (b) Use compressed air to remove the disc brake piston from the disc brake cylinder assembly.

CAUTION:

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

NOTICE:

Do not spatter the brake fluid.

4. REMOVE PISTON SEAL

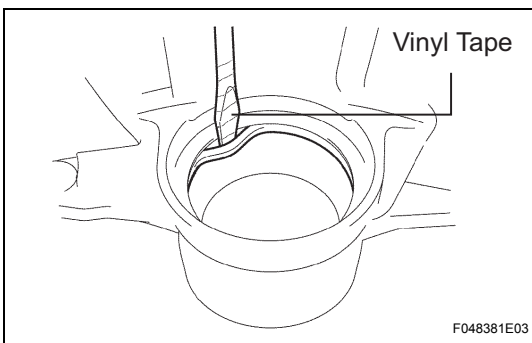
- (a) Using a screwdriver, remove the piston seal from the disc brake cylinder assembly.

NOTICE:

Do not damage the inner cylinder or cylinder groove.

HINT:

Tape the screwdriver tip before use.



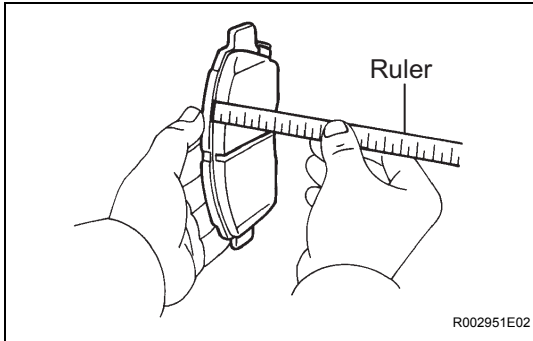
5. REMOVE FRONT DISC BRAKE BLEEDER PLUG

6. REMOVE FRONT DISC BRAKE BLEEDER PLUG CAP

INSPECTION

1. INSPECT BRAKE CYLINDER AND PISTON

- Check the brake cylinder bore and disc brake piston for rust or scoring.
If necessary, replace the disc brake cylinder assembly and disc brake piston.



2. INSPECT DISC BRAKE PAD KIT FRONT (PAD ONLY)

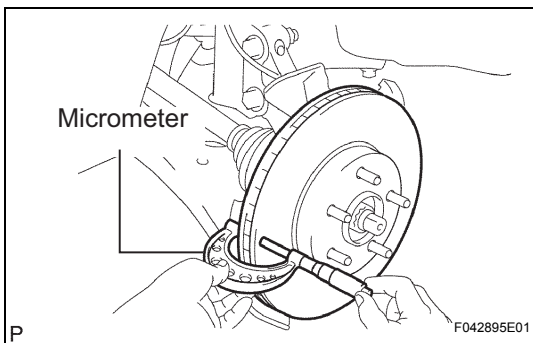
- Using a ruler, measure the pad lining thickness.
Standard thickness:
12.0 mm (0.472 in.)
Minimum thickness:
1.0 mm (0.039 in.)
If the pad lining thickness is equal to or less than the minimum thickness, replace the brake pad.

3. INSPECT FRONT DISC BRAKE PAD SUPPORT PLATE

- Inspect the pad support plate (No. 1).
HINT:
Make sure that both plates have sufficient rebound and have no deformation, cracks or wear, and that all rust and dirt is cleaned off.
If necessary, replace the brake pad support plates.

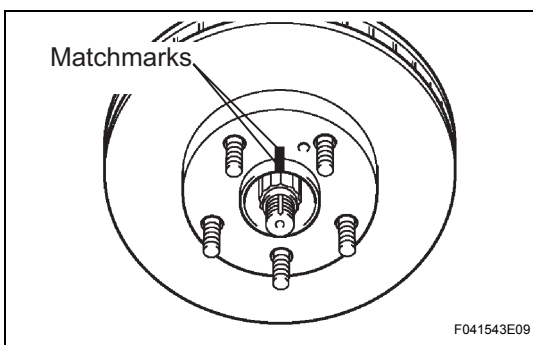
4. INSPECT FRONT DISC BRAKE PAD SUPPORT PLATE

- Inspect the pad support plate (No. 2).
HINT:
Make sure that both plates have sufficient rebound and have no deformation, cracks or wear, and that all rust and dirt is cleaned off.
If necessary, replace the brake pad support plates.



5. INSPECT BRAKE DISC

- Using a micrometer, measure the disc thickness.
Standard thickness:
28.0 mm (1.102 in.)
Minimum thickness:
26.0 mm (1.024 in.)
If the disc thickness is less than the minimum, replace the disc.

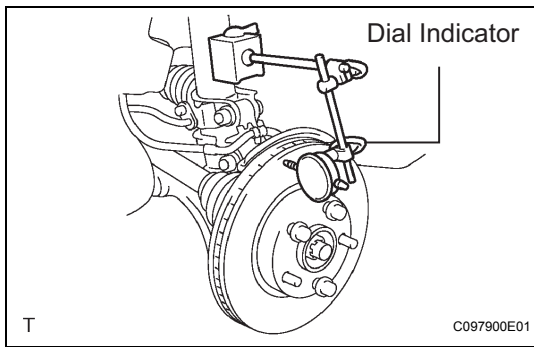


6. REMOVE FRONT DISC

- Put matchmarks on the front disc and the axle hub.
- Remove the front disc.

7. INSTALL FRONT DISC

- Aligning 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.



8. INSPECT DISC RUNOUT

- (a) Check the bearing play in the axial direction and check for axle hub runout (See page [AH-6](#)).
- (b) Temporarily fasten the front disc together with the hub nuts.

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

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

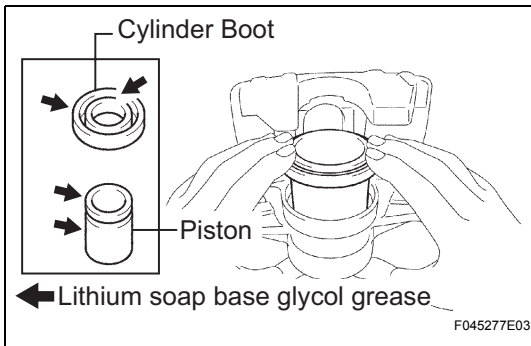
Maximum disc runout:

0.05 mm (0.0020 in.)

If the runout exceeds the maximum value, change the installation positions of the disc and axle so that the runout will become minimal. If the runout exceeds the maximum even when the installation positions are changed, grind the disc. If the disc thickness is less than the minimum, replace the front disc.

REASSEMBLY

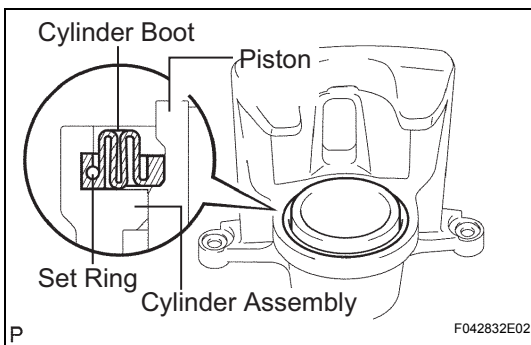
1. **INSTALL FRONT DISC BRAKE BLEEDER PLUG**
2. **INSTALL FRONT DISC BRAKE BLEEDER PLUG CAP**
3. **INSTALL PISTON SEAL**
 - (a) Apply lithium soap base glycol grease to a new piston seal.
 - (b) Install the piston seal to the disc brake cylinder assembly.



4. **INSTALL FRONT DISC BRAKE PISTON**
 - (a) Apply lithium soap base glycol grease to the disc brake piston and new cylinder boot.
 - (b) Install the cylinder boot to the disc brake piston.
 - (c) Install the disc brake piston to the disc brake cylinder assembly.

NOTICE:

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



5. **INSTALL CYLINDER BOOT**

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

NOTICE:

Install the cylinder boot securely into the grooves of the cylinder and piston.

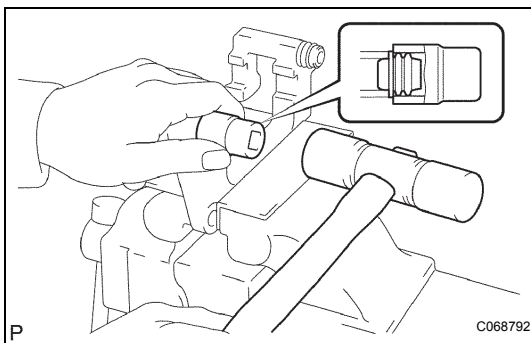
- (b) Using a screwdriver, install the set ring.

NOTICE:

- **Install the set ring securely into the grooves of the cylinder boot.**
- **Do not damage the cylinder boot.**

HINT:

Tape the screwdriver tip before use.

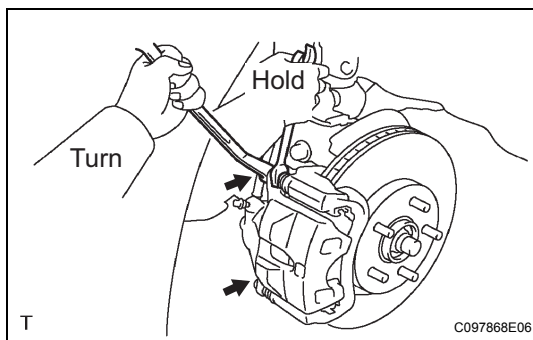
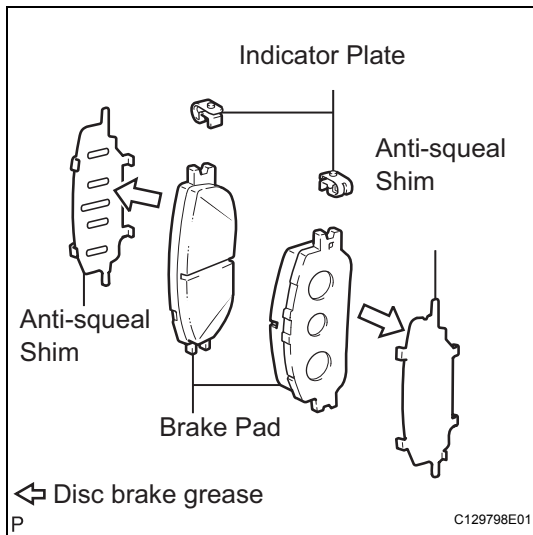
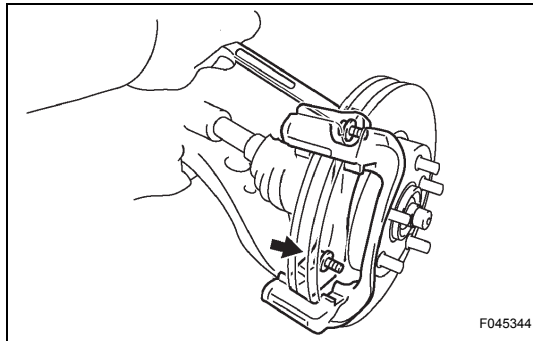
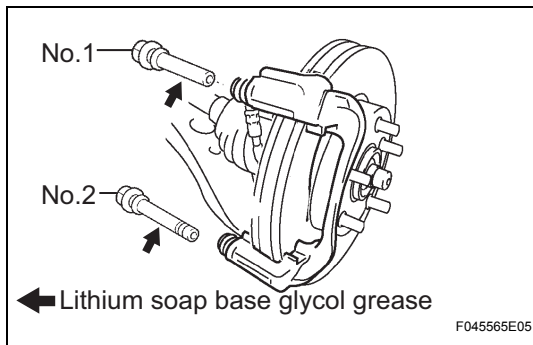


6. **INSTALL FRONT DISC BRAKE BUSH DUST BOOT**

- (a) Secure the cylinder mounting LH in a vise.
- (b) Apply lithium soap base glycol grease to the sealing surface of 2 new bush dust boots.
- (c) Using a socket wrench (19 mm) and hammer, install the 2 bush dust boots to the cylinder mounting LH.

7. **INSTALL FRONT DISC BRAKE CYLINDER SLIDE BUSH**

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



INSTALLATION

1. INSTALL FRONT DISC BRAKE CYLINDER SLIDE PIN

- Apply lithium soap base glycol grease to the sliding part and the sealing surface of the cylinder slide pin (No.1) and cylinder slide pin (No.2).
- Install the cylinder slide pin (No.1) and cylinder slide pin (No.2) to the cylinder mounting LH.
- Install the cylinder slide pin (No.2) to the cylinder mounting LH.

2. INSTALL FRONT DISC BRAKE CYLINDER MOUNTING LH

- Install the cylinder mounting with the 2 bolts.
Torque: 107 N*m (1,090 kgf*cm, 79 ft.*lbf)

3. INSTALL FRONT DISC BRAKE PAD SUPPORT PLATE

- Install the pad support plate (No.1) to the cylinder mounting LH.

4. INSTALL FRONT DISC BRAKE PAD SUPPORT PLATE

- Install the pad support plate (No.2) to the cylinder mounting LH.

5. INSTALL ANTI SQUEAL SHIM KIT FRONT

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

NOTICE:

- When replacing worn pads, replace the anti-squeal shims together with the pads.
- Install the shims in the correct positions and directions.

- Install the 2 pad wear indicator plates to the pads.

6. INSTALL DISC BRAKE PAD KIT FRONT (PAD ONLY)

- Install the disc brake pads with anti-squeal shims to the cylinder mounting LH.

NOTICE:

- There should be no oil or grease on the friction surface of the pads and the disc.
- Install the brake pads with indicator plates facing upward.

7. INSTALL BRAKE CYLINDER ASSEMBLY LH

- Install the disc brake cylinder assembly with the 2 bolts.
Torque: 34 N*m (350 kgf*cm, 25 ft.*lbf)

8. INSTALL FRONT FLEXIBLE HOSE

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

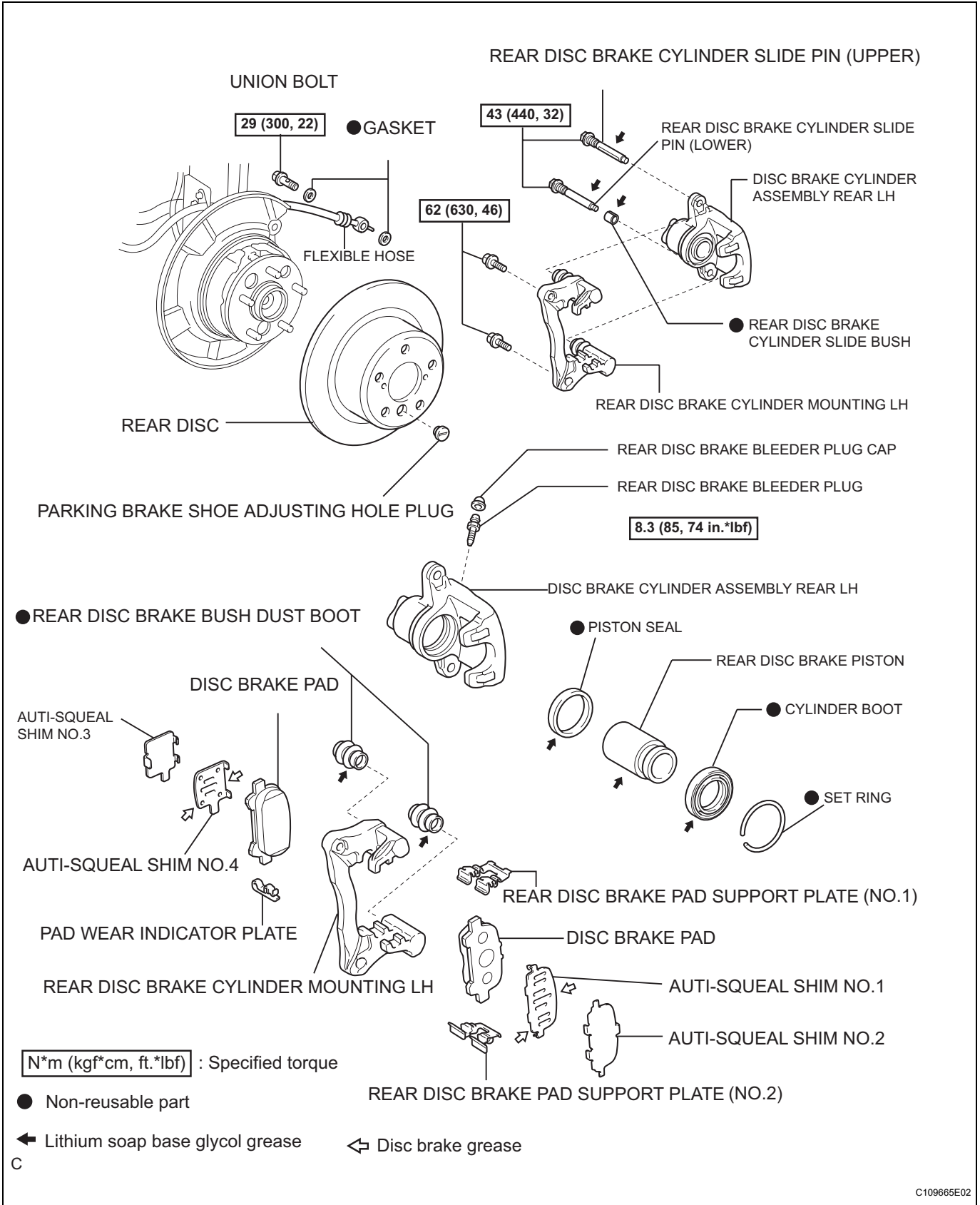
Torque: 29 N*m (300 kgf*cm, 22 ft.*lbf)

NOTICE:

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

9. FILL RESERVOIR WITH BRAKE FLUID (See page [BR-3](#))
10. BLEED BRAKE LINE (See page [BR-3](#))
11. CHECK FLUID LEVEL IN RESERVOIR (See page [BR-6](#))
12. CHECK BRAKE FLUID LEAKAGE
13. INSTALL FRONT WHEEL
Torque: 103 N*m (1,050 kgf*cm, 76 ft.*lbf)

REAR BRAKE COMPONENTS



BR

REMOVAL

1. REMOVE REAR WHEEL

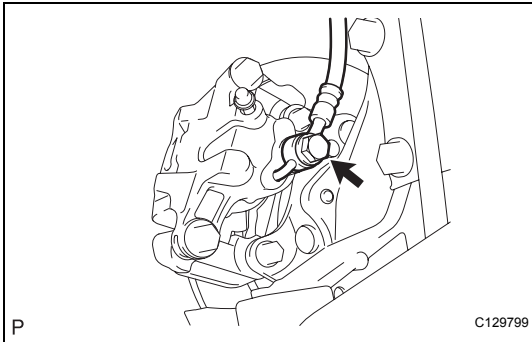
2. DRAIN BRAKE FLUID

NOTICE:

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

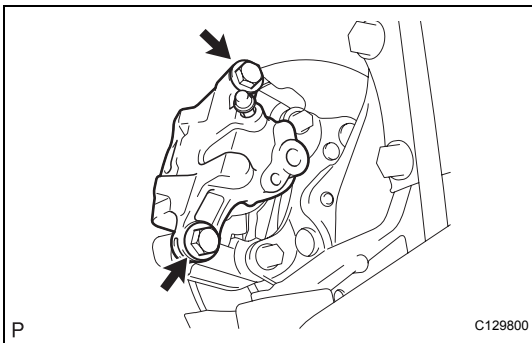
3. DISCONNECT FLEXIBLE HOSE

- (a) Remove the union bolt and 2 gaskets from the disc brake cylinder assembly rear, then disconnect the flexible hose.



4. REMOVE DISC BRAKE CYLINDER ASSEMBLY REAR LH

- (a) Remove the 2 cylinder slide pins and disc brake cylinder assembly rear.



5. REMOVE REAR DISC BRAKE CYLINDER SLIDE BUSH

- (a) Using a screwdriver, remove the cylinder slide bush from the cylinder slide pin (lower).

HINT:

Tape the screwdriver tip before use.

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

- (a) Remove the 2 brake pads with the anti-squeal shims.

7. REMOVE ANTI SQUEAL SHIM KIT REAR

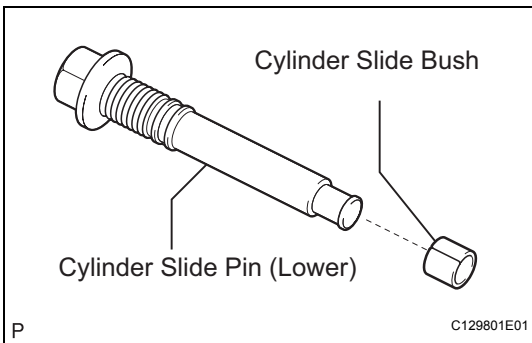
- (a) Remove the 2 anti-squeal shims from each of the 2 brake pads.
 (b) Remove the pad wear indicator plate from the inner pad.

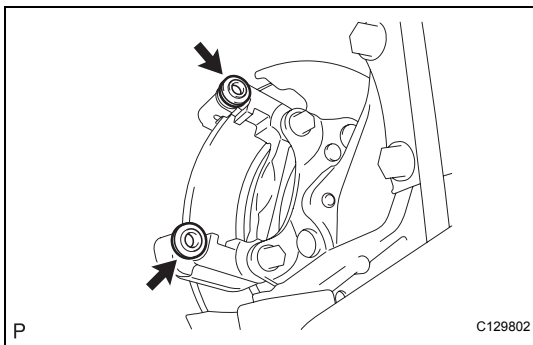
8. REMOVE REAR DISC BRAKE PAD SUPPORT PLATE

- (a) Remove the pad support plate (No.1) from the cylinder mounting LH.

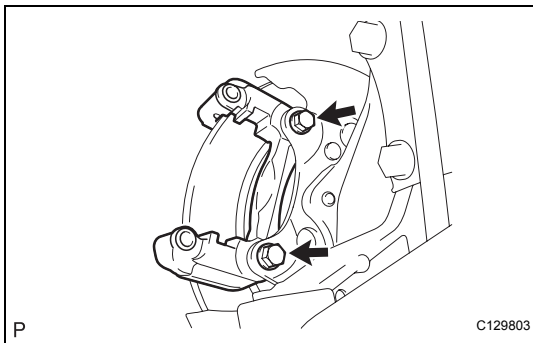
9. REMOVE REAR DISC BRAKE PAD SUPPORT PLATE

- (a) Remove the pad support plate (No.2) from the cylinder mounting LH.

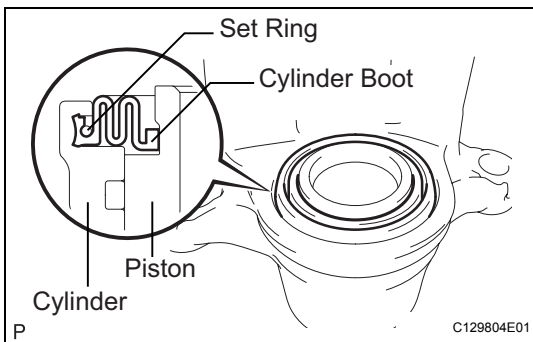


**10. REMOVE REAR DISC BRAKE BUSH DUST BOOT**

- (a) Remove the 2 bush dust boots from the cylinder mounting LH.

**11. REMOVE REAR DISC BRAKE CYLINDER MOUNTING LH**

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

**DISASSEMBLY****1. REMOVE CYLINDER BOOT**

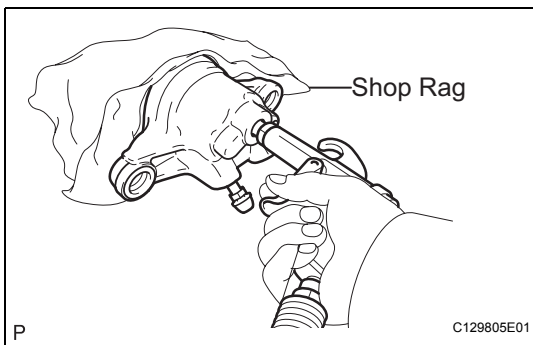
- (a) Using a screwdriver, remove the set ring and cylinder boot.

NOTICE:

Do not damage the piston groove and cylinder groove.

HINT:

Tape the screwdriver tip before use.

**2. REMOVE REAR DISC BRAKE PISTON**

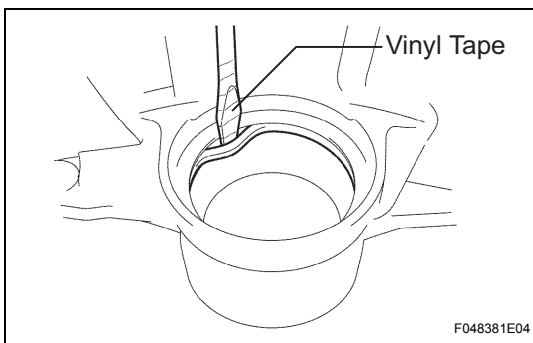
- (a) Place a shop rag or a piece of cloth between the piston and the disc brake cylinder.
 (b) Use compressed air to remove the piston from the disc brake cylinder.

CAUTION:

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

NOTICE:

Do not spatter the brake fluid.

**3. 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.

HINT:

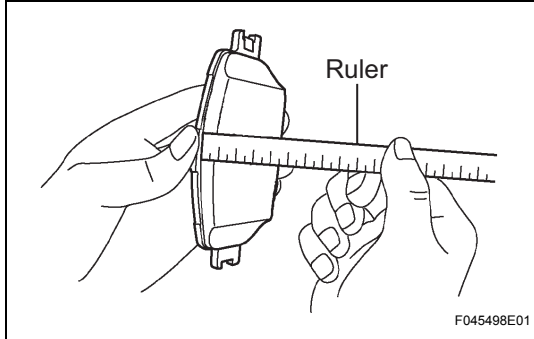
Tape the screwdriver tip before use.

4. REMOVE REAR DISC BRAKE BLEEDER PLUG CAP**5. REMOVE REAR DISC BRAKE BLEEDER PLUG**

INSPECTION

1. INSPECT BRAKE CYLINDER AND PISTON

- (a) Check the cylinder bore and piston for rust or scoring.
If necessary, replace the brake cylinder assembly rear and piston.



2. INSPECT DISC BRAKE PAD KIT REAR (PAD ONLY)

- (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.)
If the pad lining thickness is equal to or less than the minimum thickness, replace the brake pad.

3. INSPECT REAR DISC BRAKE PAD SUPPORT PLATE

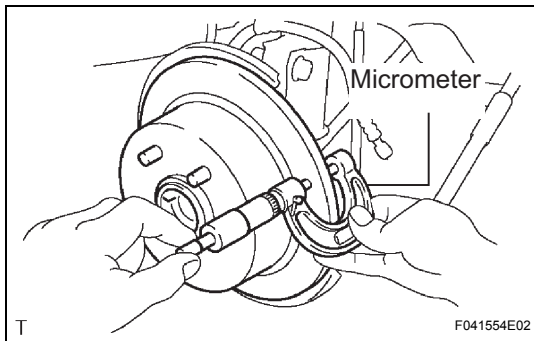
- (a) Make sure that the pad support plates have sufficient rebound and have no deformation, cracks or wear, and that all rust and dirt is cleaned off.
If necessary, replace the brake pad support plates.

4. INSPECT REAR DISC BRAKE PAD SUPPORT PLATE

- (a) Make sure that the pad support plates have sufficient rebound and have no deformation, cracks or wear, and that all rust and dirt is cleaned off.
If necessary, replace the brake pad support plates.

5. INSPECT BRAKE DISC

- (a) Using a micrometer, measure the disc thickness.
Standard thickness:
12.0 mm (0.472 in.)
Minimum thickness:
10.5 mm (0.413 in.)
If the disc thickness is less than the minimum, replace the front disc.



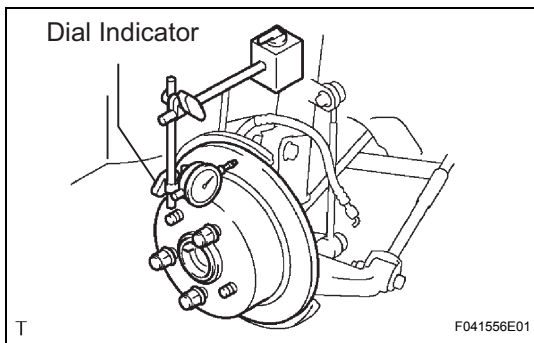
6. INSPECT DISC RUNOUT

- (a) Check the bearing play in the axial direction and check for axle hub runout (See page [AH-15](#)).
- (b) Temporarily fasten the rear disc with the hub nuts.
Torque: 103 N*m (1,050 kgf*cm, 76 ft.*lbf)
- (c) Using a dial indicator, measure the disc runout 10 mm (0.39 in.) from the outer edge of the rear disc.

Maximum disc runout:
0.15 mm (0.0059 in.)

If the runout exceeds the maximum value, change the installation positions of the disc and axle so that the runout will become minimal. If the runout exceeds the maximum even when the installation positions are changed, grind the disc. If the disc thickness is less than the minimum, replace the rear disc.

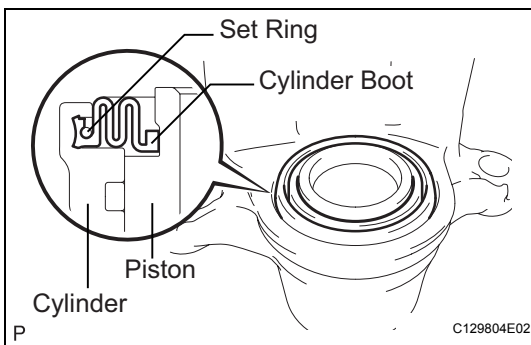
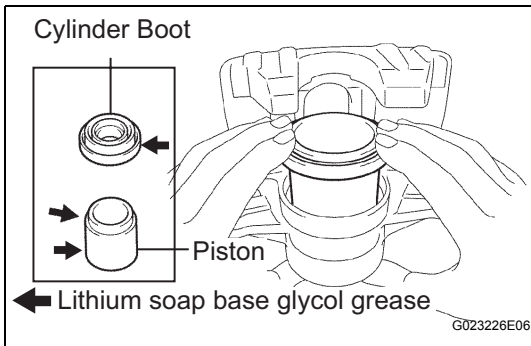
7. ADJUST PARKING BRAKE SHOE CLEARANCE



REASSEMBLY

1. **INSTALL REAR DISC BRAKE BLEEDER PLUG**
2. **INSTALL REAR DISC BRAKE BLEEDER PLUG CAP**
3. **INSTALL PISTON SEAL**
 - (a) Apply lithium soap base glycol grease to a new piston seal.
 - (b) Install the piston seal to the disc brake cylinder assembly rear.
4. **INSTALL REAR DISC BRAKE PISTON**
 - (a) Apply lithium soap base glycol grease to the piston and a new cylinder boot.
 - (b) Install the cylinder boot to the piston.
 - (c) Install the piston to the disc brake cylinder assembly rear.

NOTICE:
Do not install the piston forcibly in the cylinder assembly rear.



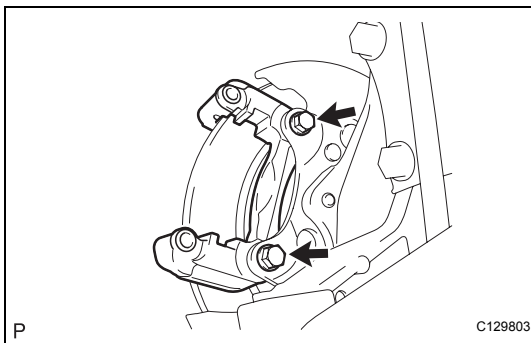
5. **INSTALL CYLINDER BOOT**
 - (a) Install the cylinder boot to the disc brake cylinder assembly rear.

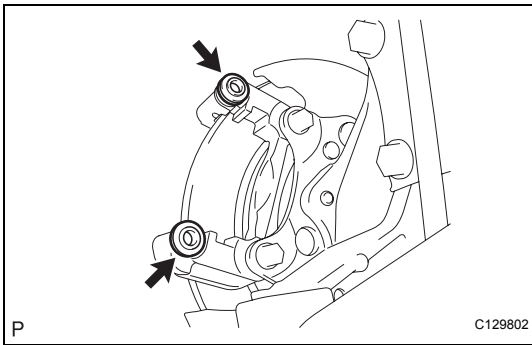
NOTICE:
Install the cylinder boot securely into the grooves of the cylinder and piston.

 - (b) Using a screwdriver, install a new set ring.
- NOTICE:**
- Install the set ring securely into the grooves of the cylinder boot.
 - Do not damage the cylinder boot.
- HINT:**
Tape the screwdriver tip before use.

INSTALLATION

1. **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)





2. INSTALL REAR DISC BRAKE BUSH DUST BOOT

- Apply lithium soap base glycol grease to the sealing surface of 2 new bush dust boots.
- Install the 2 bush dust boots to the cylinder mounting LH.

3. INSTALL REAR DISC BRAKE PAD SUPPORT PLATE

- Install the pad support plate (No.1) to the cylinder mounting LH.

4. INSTALL REAR DISC BRAKE PAD SUPPORT PLATE

- Install the pad support plate (No.2) to the cylinder mounting LH.

5. INSTALL ANTI SQUEAL SHIM KIT REAR

- Apply disc brake grease to anti-squeal shim No.1 and No.4 and install them to each pad.

NOTICE:

- When replacing worn pads, replace the anti-squeal shims together with the pads.
- Install the anti-squeal shims in the correct positions and directions.

- Install anti-squeal shim No.2 and No.3 to each pad.

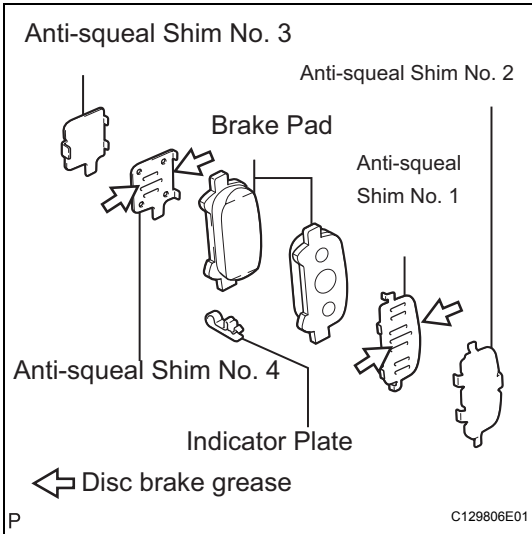
NOTICE:

- Install the anti-squeal shims in the correct positions and directions.

- Install the pad wear indicator plate to the inner pad.

NOTICE:

- Install the pad wear indicator plate in the correct position and direction.



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

- Install the 2 brake pads with the anti-squeal shims.

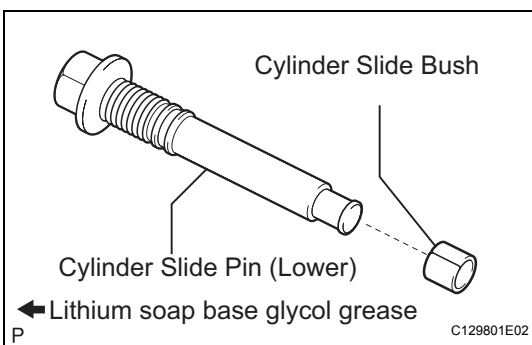
NOTICE:

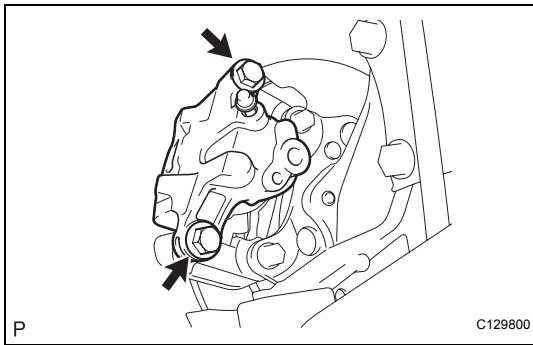
- There should be no oil or grease on the friction surface of the pads and the disc.
- Install the inner pad with indicator plate facing downward.

7. INSTALL REAR DISC BRAKE CYLINDER SLIDE BUSH

- Apply lithium soap base glycol grease to a new cylinder slide bush.

- Install the cylinder slide bush to the cylinder slide pin (lower).

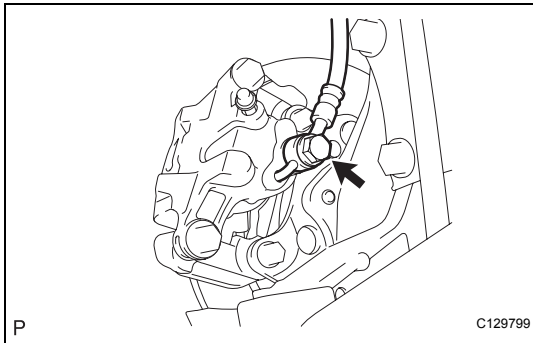




8. INSTALL DISC BRAKE CYLINDER ASSEMBLY REAR LH

- (a) Apply lithium soap base glycol grease to the sliding part and the seal surfaces of the cylinder slide pins.
- (b) Install the disc brake cylinder assembly rear with the 2 cylinder slide pins.

Torque: 43 N*m (440 kgf*cm, 32 ft.*lbf)



9. CONNECT FLEXIBLE HOSE

- (a) Connect the flexible hose with the union bolt and 2 new gaskets.

Torque: 29 N*m (300 kgf*cm, 22 ft.*lbf)

NOTICE:

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

10. FILL RESERVOIR WITH BRAKE FLUID (See page BR-3)

11. BLEED BRAKE LINE (See page BR-3)

12. CHECK FLUID LEVEL IN RESERVOIR (See page BR-6)

13. CHECK BRAKE FLUID LEAKAGE

14. INSTALL REAR WHEEL

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