

BRAKES

Brake System (Rear) (Preparation) - Sienna

BRAKE (REAR)

SST

SST

	09330-00021	Companion Flange Holding Tool	
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RECOMMENDED TOOLS

RECOMMENDED TOOLS

	09017-1C100	Union Nut Wrench 10mm	
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EQUIPMENT

EQUIPMENT

Protective tape	-
Ruler	-
Micrometer	-
Dial indicator with magnetic base	-
Torque wrench	-

LUBRICANT

LUBRICANT

Item	Capacity	Classification
Brake fluid	-	SAE J1703 or FMVSS No. 116 DOT3

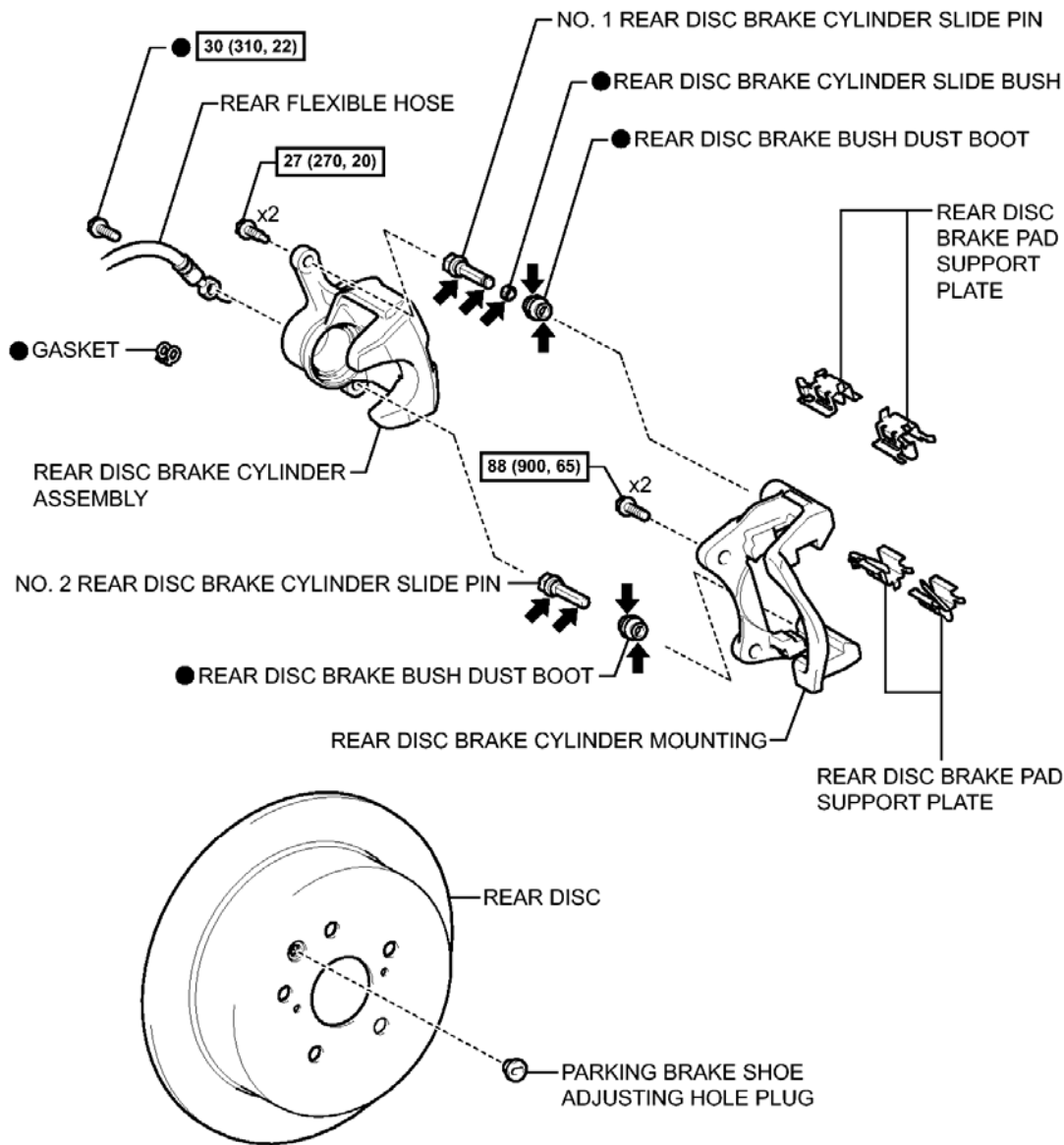
BRAKES

Brake System (Rear) (Service Information) - Sienna

REAR BRAKE

COMPONENTS

ILLUSTRATION



N*m (kgf*cm, ft.*lbf) : Specified torque

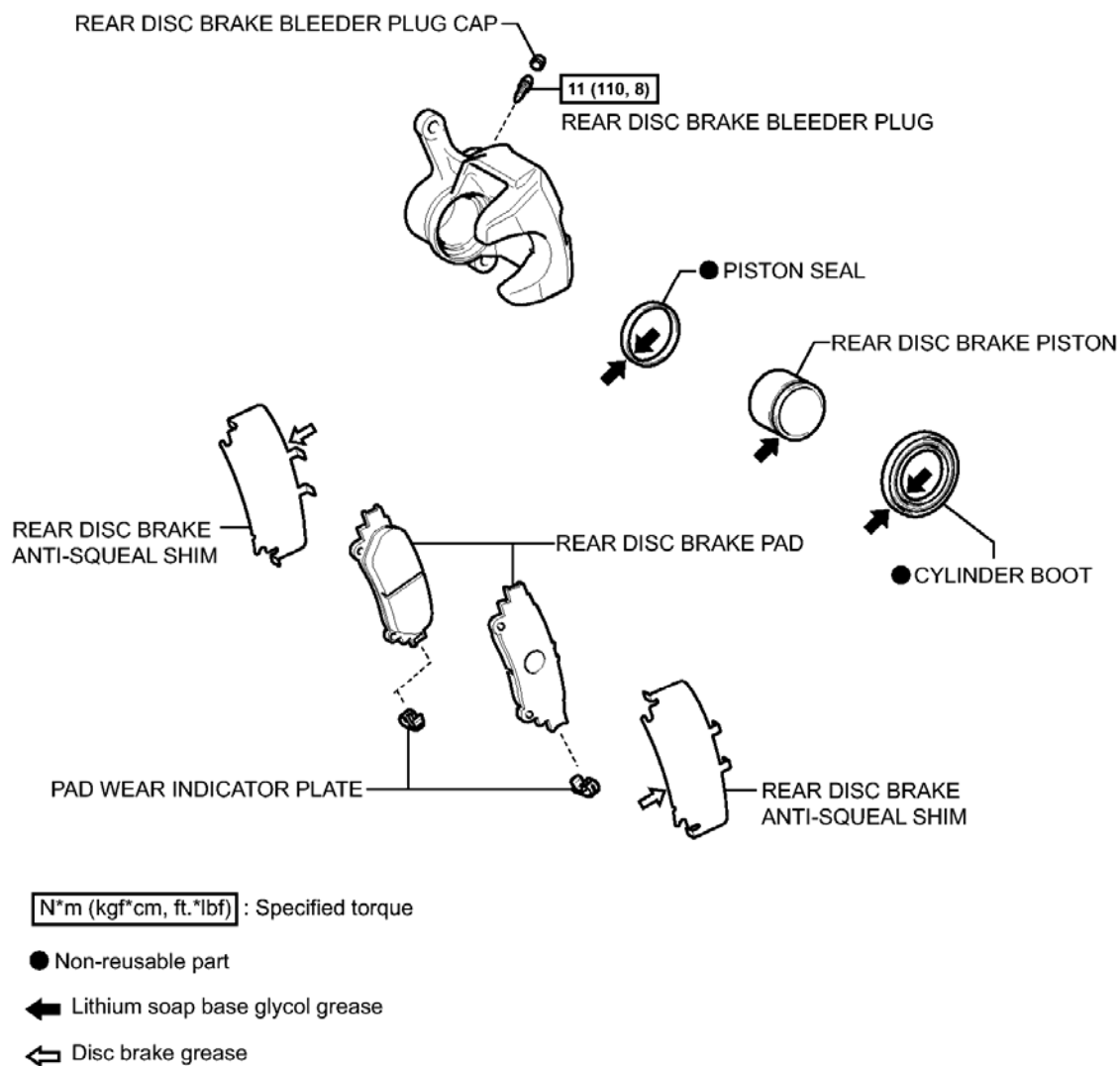
● Non-reusable part

← Lithium soap base glycol grease

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Fig. 1: Exploded View Of Rear Brake Caliper With Torque Specifications (1 of 2)
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

ILLUSTRATION



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Fig. 2: Exploded View Of Rear Brake Caliper With Torque Specifications (2 of 2)
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

REMOVAL

REMOVAL

HINT:

- Use the same procedure for the RH side and LH side.
- The following procedure is for the LH side.

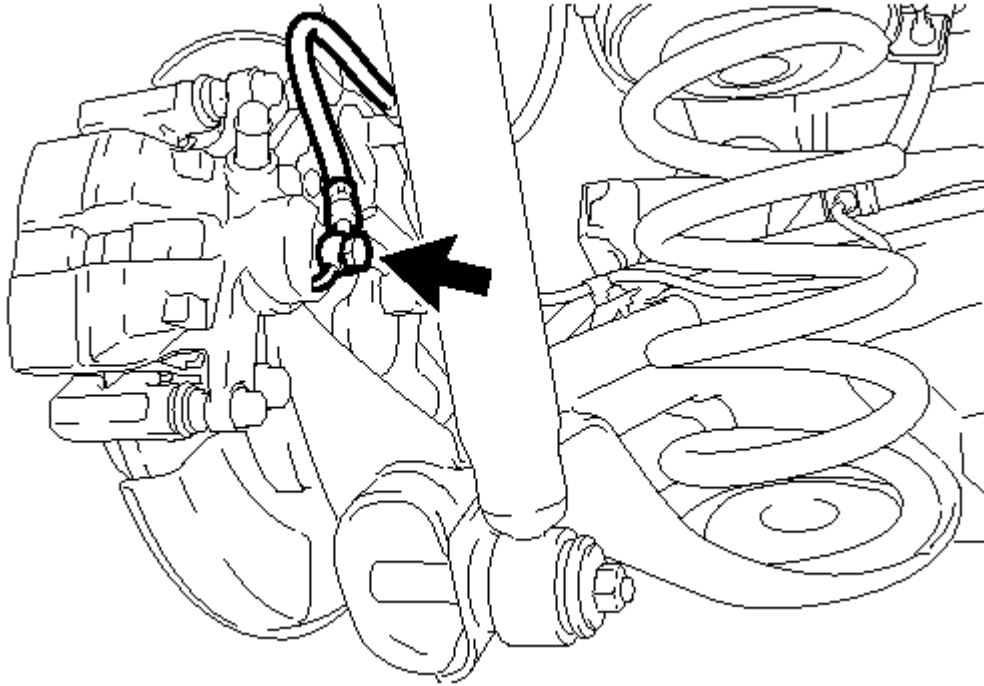
1. REMOVE REAR WHEEL

2. DRAIN BRAKE FLUID

NOTE: If brake fluid leaks onto any painted surface, immediately wash it off.

3. DISCONNECT REAR FLEXIBLE HOSE

- a. Remove the union bolt and gasket, and disconnect the rear flexible hose from the rear disc brake cylinder assembly.

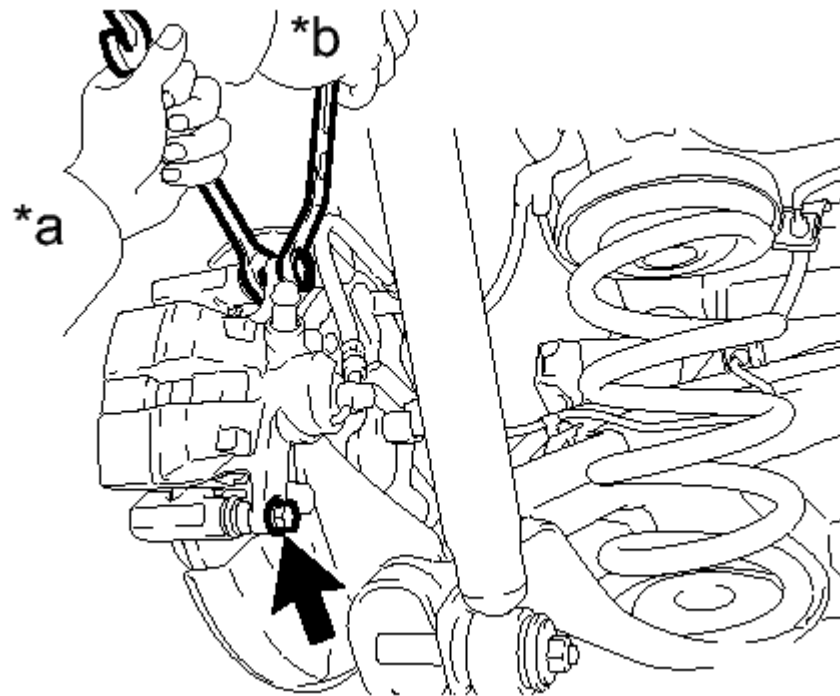


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Fig. 3: Identifying Rear Flexible Hose Union Bolt & Gasket
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

4. REMOVE REAR DISC BRAKE CYLINDER ASSEMBLY

- a. Hold the 2 rear disc brake cylinder slide pins, and remove the 2 bolts and rear disc brake cylinder assembly.



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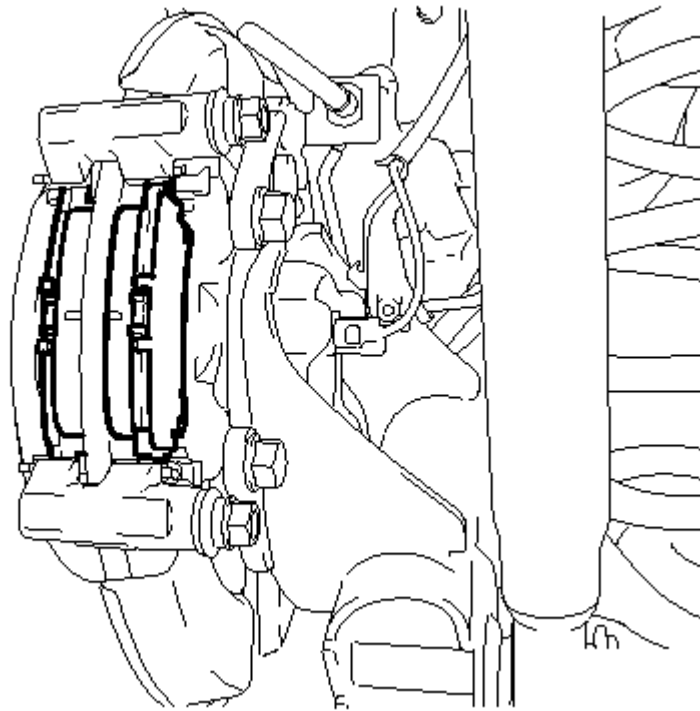
Fig. 4: Removing Rear Disc Brake Cylinder Assembly Bolts While Holding Slide Pins
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION

*a	Hold
*b	Turn

5. REMOVE REAR DISC BRAKE PAD

- a. Remove the 2 rear disc brake pads from the rear disc brake cylinder mounting.



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Fig. 5: Identifying Rear Disc Brake Pads

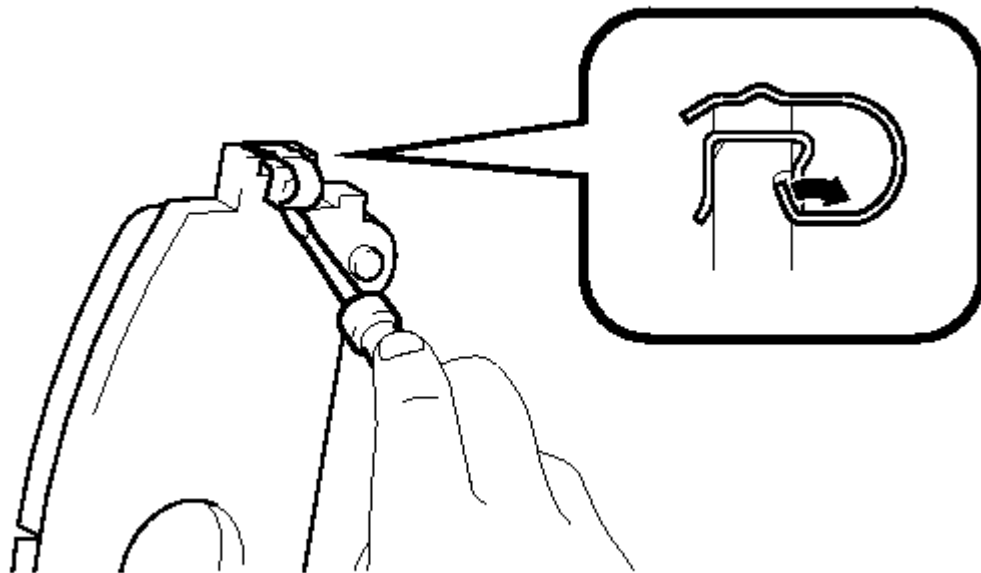
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

6. REMOVE REAR DISC BRAKE ANTI-SQUEAL SHIM

- a. Remove the 2 rear disc brake anti-squeal shims from the rear disc brake pads.

7. REMOVE PAD WEAR INDICATOR PLATE

- a. Using a screwdriver, remove 2 pad wear indicator plates from the rear disc brake pads as shown in the illustration.

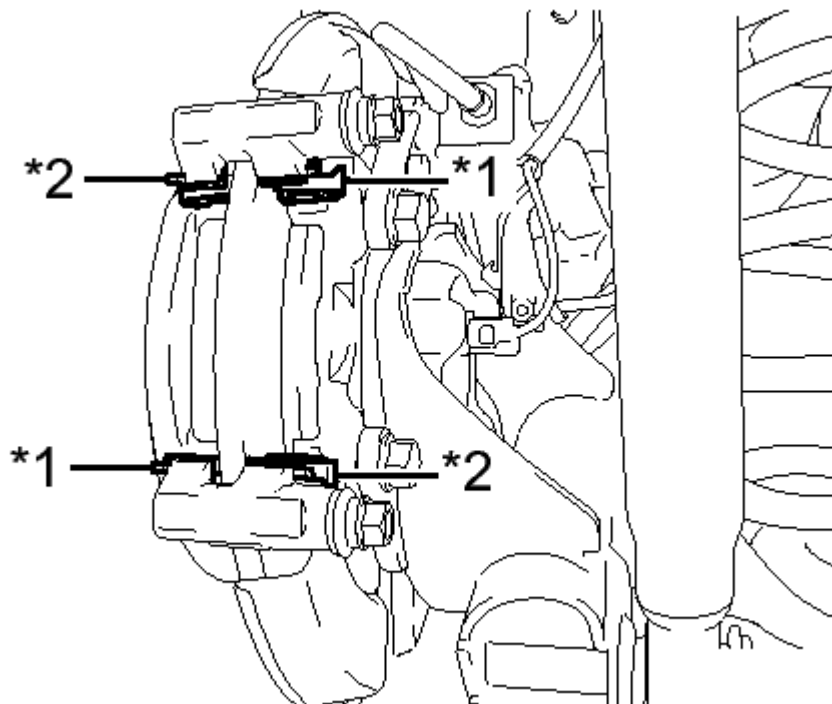


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Fig. 6: Removing Pad Wear Indicator Plates With Screwdriver
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

8. REMOVE REAR DISC BRAKE PAD SUPPORT PLATE

- a. Remove the 2 No. 1 rear disc brake pad support plates and 2 No. 2 rear disc brake pad support plates from the rear disc brake cylinder mounting.



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Fig. 7: Identifying Rear Disc Brake Pad Support Plates
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION

No. 1 Rear Disc *1 Brake Pad Support Plate	No. 2 Rear Disc *2 Brake Pad Support Plate
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NOTE: The No. 1 rear disc brake pad support plate and the No. 2 rear disc brake pad support plate have different shapes. Be sure to put an identification mark on each rear disc brake pad support plate so that they can be reinstalled to their original position.

9. REMOVE NO. 1 REAR DISC BRAKE CYLINDER SLIDE PIN

- a. Remove the No. 1 rear disc brake cylinder slide pin from the rear disc brake cylinder mounting.

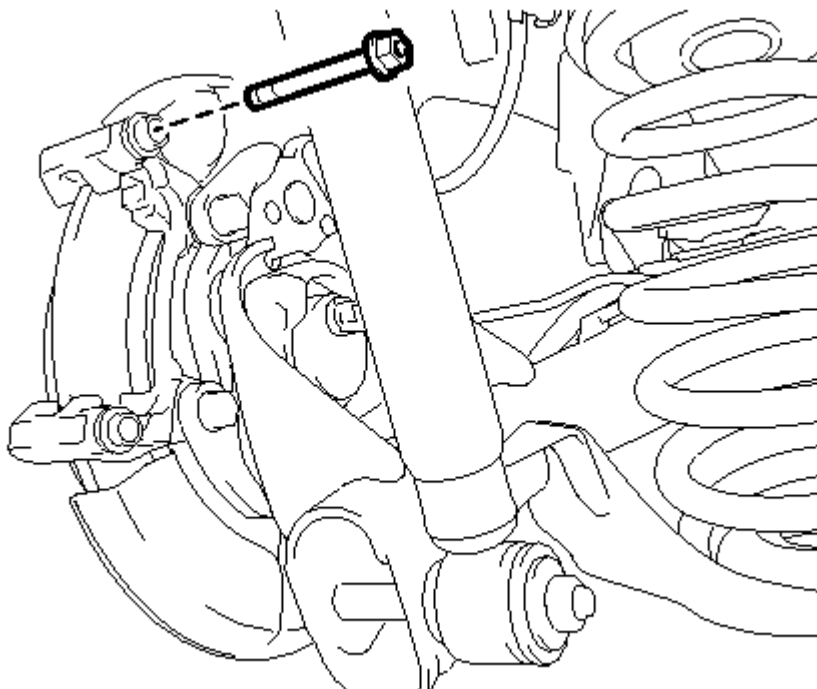
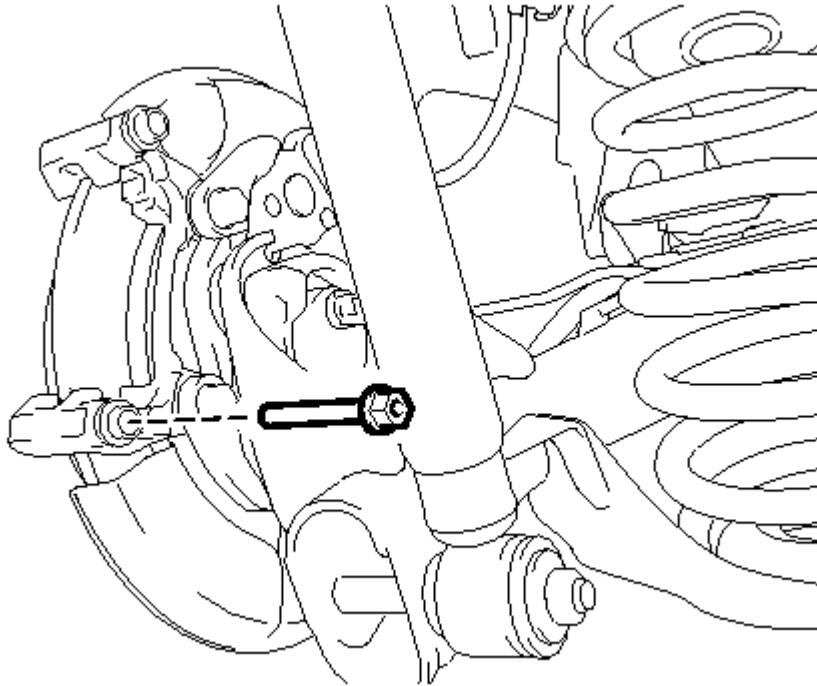


Fig. 8: Identifying No. 1 Rear Disc Brake Cylinder Slide Pin
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

10. REMOVE NO. 2 REAR DISC BRAKE CYLINDER SLIDE PIN

- a. Remove the No. 2 rear disc brake cylinder slide pin from the rear disc brake cylinder mounting.

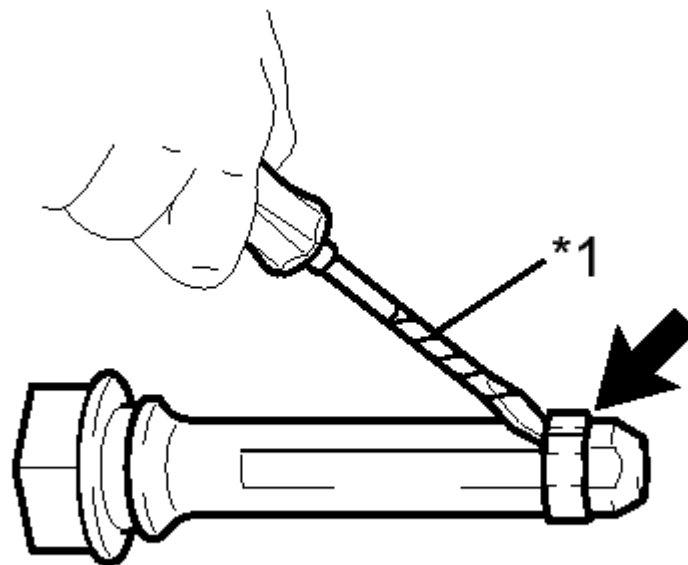


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Fig. 9: Identifying No. 2 Rear Disc Brake Cylinder Slide Pin
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

11. REMOVE REAR DISC BRAKE CYLINDER SLIDE BUSH

- a. Using a screwdriver with its tip wrapped with protective tape, remove the rear disc brake cylinder slide bush from the No. 1 rear disc brake cylinder slide pin.



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Fig. 10: Removing No. 1 Rear Disc Brake Cylinder Slide Pin Bush With Screwdriver
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

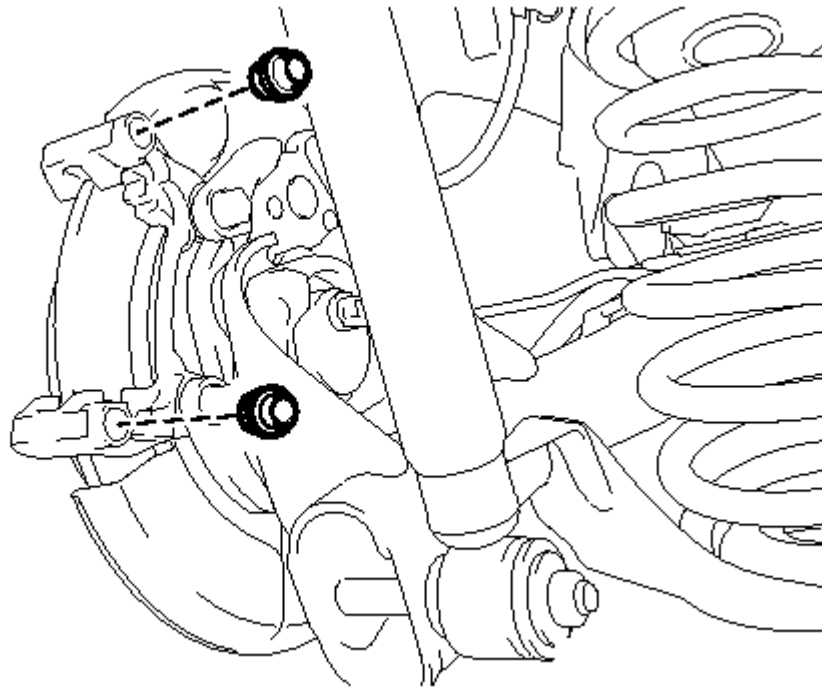
TEXT IN ILLUSTRATION

*1	Protective Tape
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NOTE: **Do not damage the No. 1 rear disc brake cylinder slide pin.**

12. REMOVE REAR DISC BRAKE BUSH DUST BOOT

- a. Remove the 2 rear disc brake bush dust boots from the rear disc brake cylinder mounting.

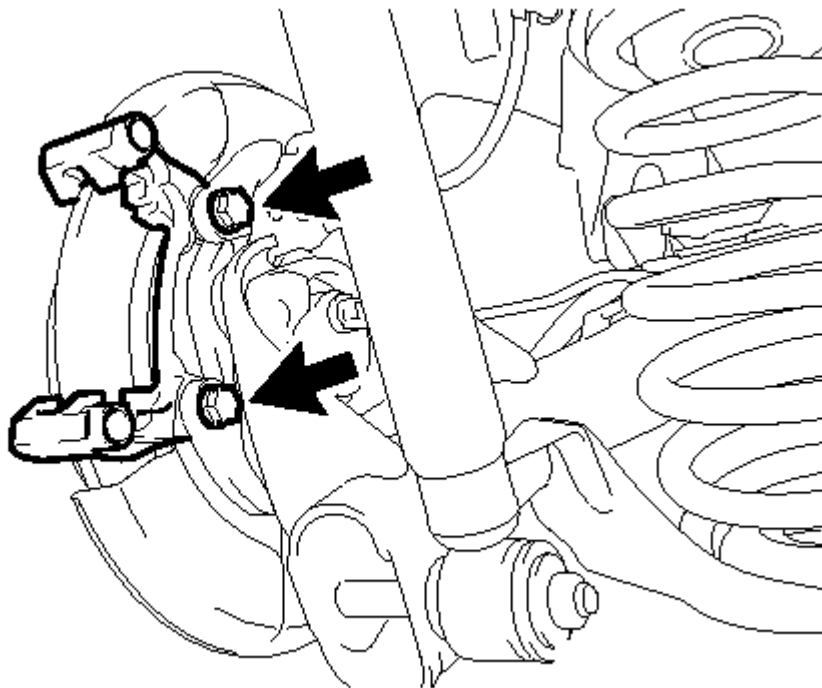


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Fig. 11: Identifying Rear Disc Brake Bush Dust Boots
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

13. REMOVE REAR DISC BRAKE CYLINDER MOUNTING

- a. Remove the 2 bolts and rear disc brake cylinder mounting from the rear axle beam assembly.



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Fig. 12: Identifying Rear Disc Brake Cylinder Mounting Bracket Bolts

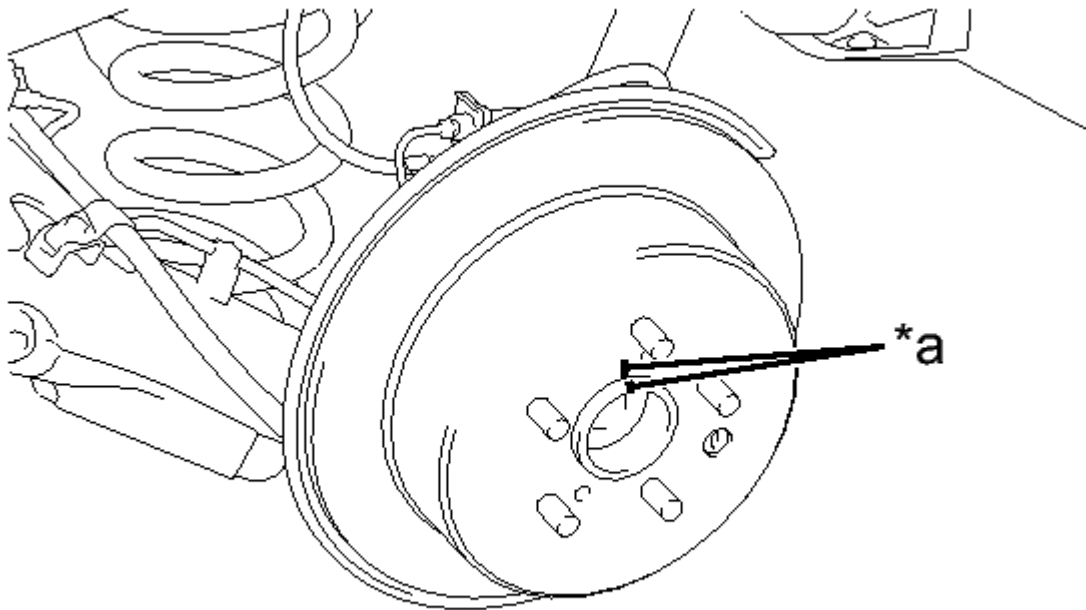
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

14. REMOVE PARKING BRAKE SHOE ADJUSTING HOLE PLUG

- a. Remove the parking brake shoe adjusting hole plug.

15. REMOVE REAR DISC

- a. Put matchmarks on the rear disc and the axle hub.



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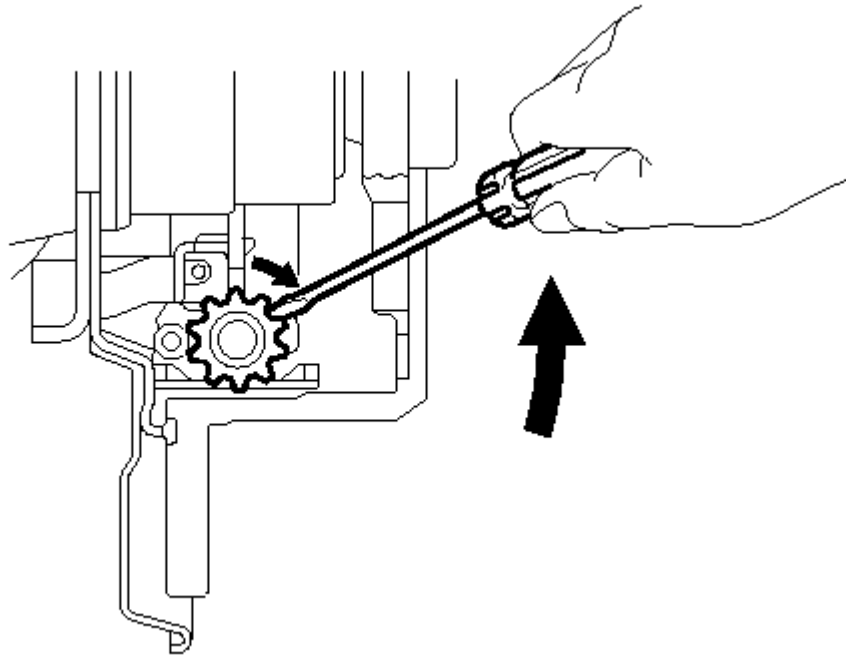
Fig. 13: Identifying Rear Disc & Axle Hub Matchmarks

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION

*a	Matchmark
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- b. Release the parking brake and remove the rear disc.



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Fig. 14: Turning Shoe Adjuster With Taped screwdriver
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

HINT:

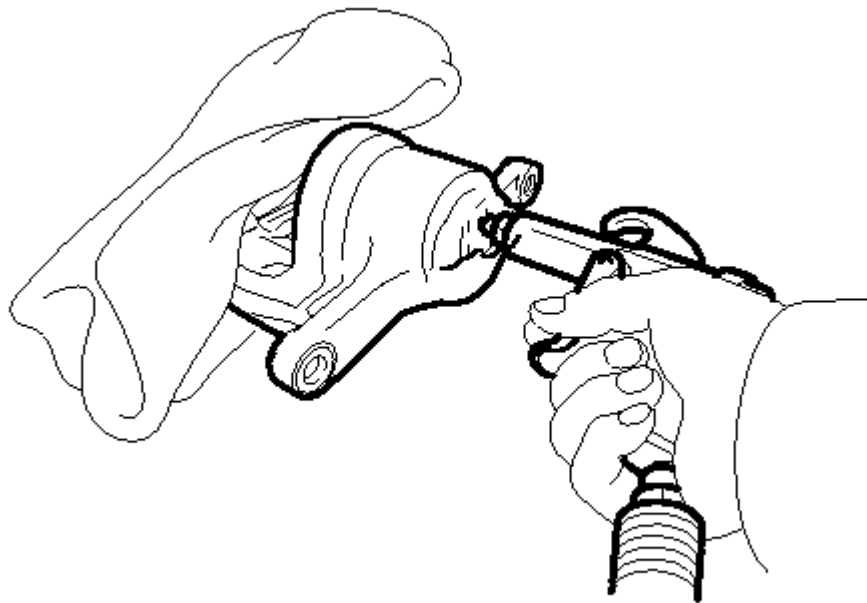
If the disc cannot be removed easily, use a screwdriver to turn the shoe adjuster as shown in the illustration in order to contract the parking brake shoes.

DISASSEMBLY

DISASSEMBLY

1. REMOVE REAR DISC BRAKE PISTON

- a. Place a piece of cloth between the rear disc brake piston and rear disc brake cylinder assembly.



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Fig. 15: Removing Rear Disc Brake Piston

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

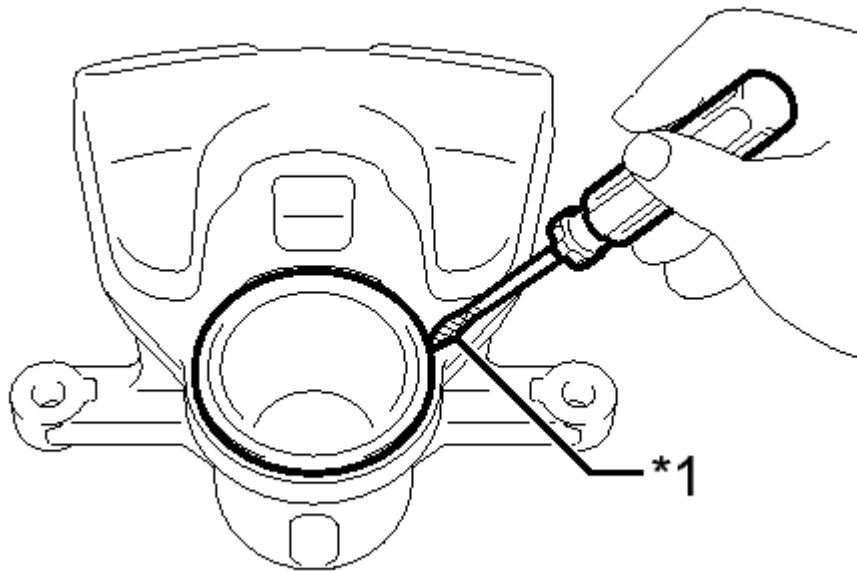
- b. Apply compressed air to remove the rear disc brake piston from the rear disc brake cylinder assembly.

WARNING: Do not place your fingers in front of the rear disc brake piston when using compressed air.

NOTE: Do not allow any brake fluid to spatter.

2. REMOVE CYLINDER BOOT

- a. Using a screwdriver with its tip wrapped with protective tape, remove the cylinder boot.



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Fig. 16: Remove The Cylinder Boot

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

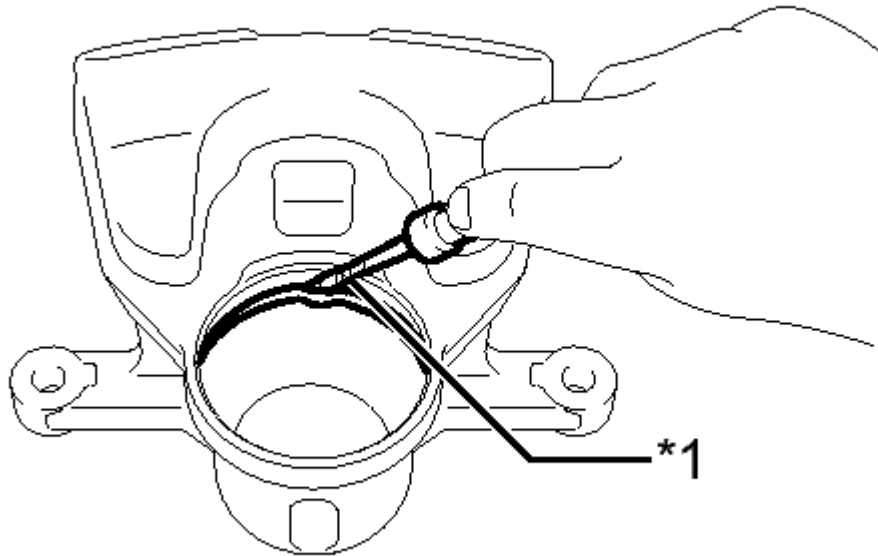
TEXT IN ILLUSTRATION

*1	Protective Tape
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NOTE: Be careful not to damage the rear disc brake cylinder assembly.

3. REMOVE PISTON SEAL

- a. Using a screwdriver with its tip wrapped with protective tape, remove the piston seal from the rear disc brake cylinder assembly.



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Fig. 17: Remove The Piston Seal

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION

*1	Protective Tape
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NOTE: Be careful not to damage the inner cylinder or cylinder groove.

4. REMOVE REAR DISC BRAKE BLEEDER PLUG CAP

- a. Remove the bleeder plug cap from the rear disc brake bleeder plug.

5. REMOVE REAR DISC BRAKE BLEEDER PLUG

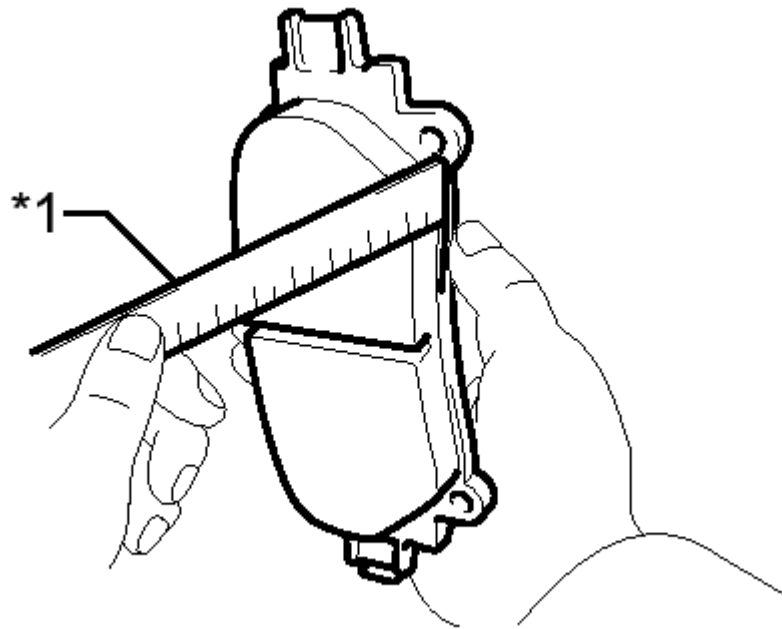
- a. Remove the rear disc brake bleeder plug from the rear disc brake cylinder assembly.

INSPECTION

INSPECTION

1. INSPECT PAD LINING THICKNESS

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



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Fig. 18: Measuring Pad Lining Thickness With Ruler
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION

***1 Ruler**

Standard thickness

10.0 mm (0.394 in.)

Minimum thickness

1.0 mm (0.0394 in.)

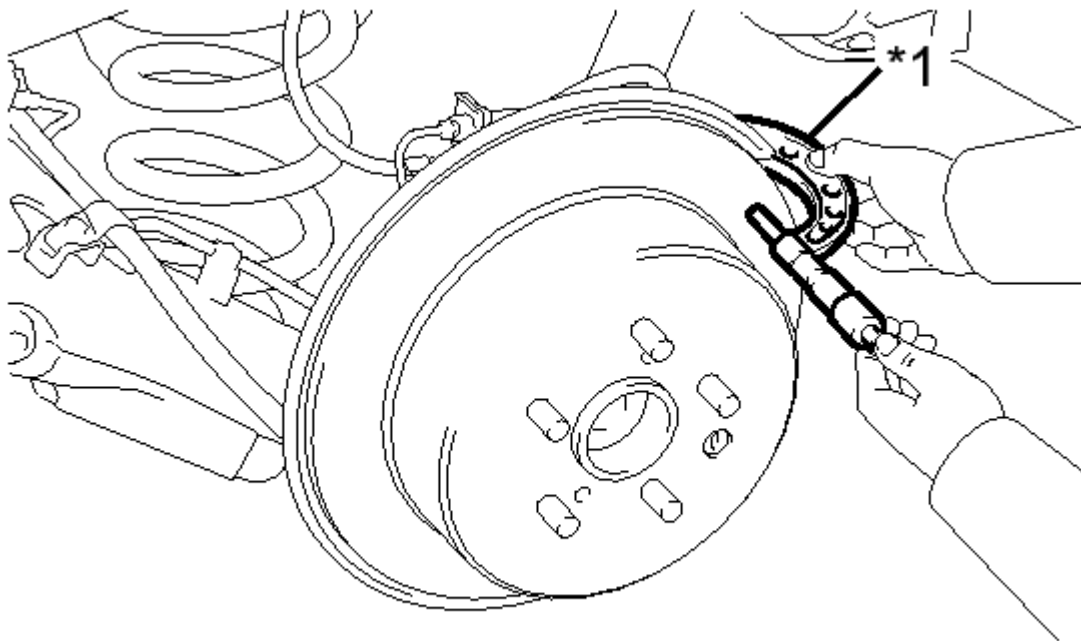
If the pad lining thickness is less than the minimum, replace the brake pads.

HINT:

Be sure to check wear of the rear disc after replacing the brake pads with new ones.

2. INSPECT DISC THICKNESS

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



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Fig. 19: Measuring Disc Thickness With Ruler

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION

***1** Micrometer

Standard thickness

10.0 mm (0.394 in.)

Minimum thickness

8.5 mm (0.335 in.)

If the disc thickness is less than the minimum, replace the rear disc.

3. INSPECT BRAKE CYLINDER AND PISTON

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

4. INSPECT REAR DISC BRAKE PAD SUPPORT PLATE

- a. Inspect the rear disc brake pad support plate. If necessary, replace the rear disc brake pad support plate.

HINT:

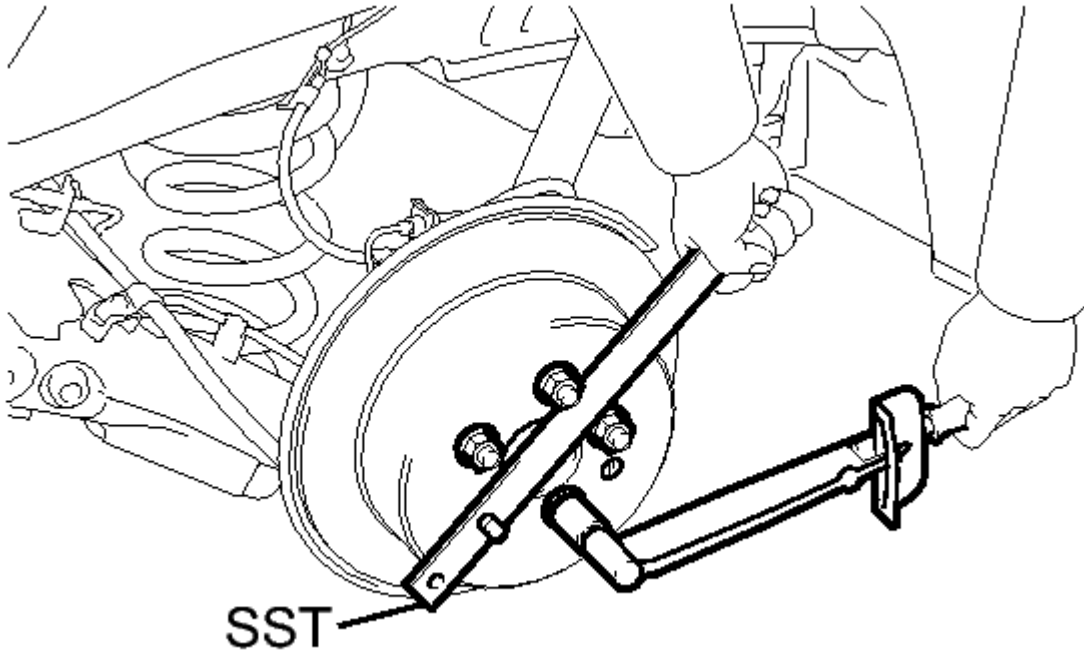
Make sure that it has sufficient rebound, and has no deformation, cracks or wear, and all rust and

dirt are cleaned off.

5. INSPECT DISC RUNOUT

- a. Using SST to hold the rear disc, tighten the rear disc with the 5 hub nuts.

- SST: 09330-00021



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Fig. 20: Tightening Rear Disc Hub Nuts With SST & Torque Wrench
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

Torque: 103 N*m (1050 kgf*cm, 76 ft.*lbf)

- b. Using a dial indicator, measure the disc runout 10 mm (0.394 in.) away from the outer edge of the rear disc.

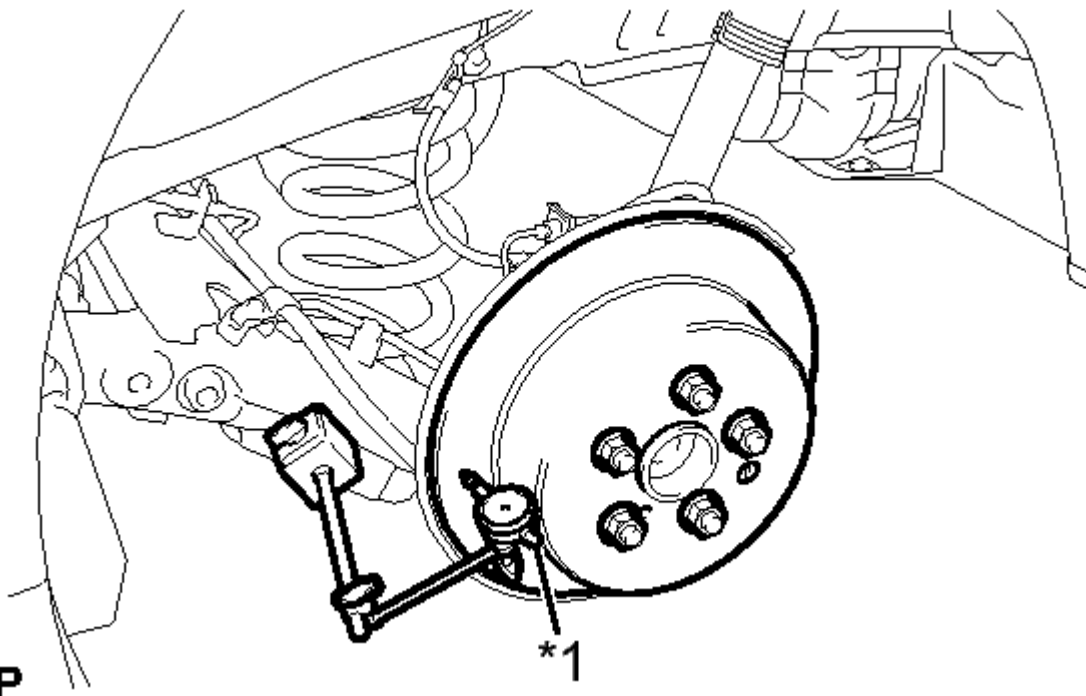


Fig. 21: Measuring Disc Runout With Dial Indicator
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION

*1	Dial Indicator
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Maximum disc runout

0.15 mm (0.00591 in.)

NOTE:

- Keep the magnet of the dial indicator away from the axle hub and speed sensor.
- Install the dial indicator to the rear axle beam assembly.

HINT:

If the runout exceeds the maximum value, check the bearing play in the axial direction and the axle hub runout. Refer to **ON-VEHICLE INSPECTION** . If the bearing play and the axle hub runout are normal and if the disc thickness is not within the specified range, grind the disc. If the disc thickness is less than the minimum, replace the disc.

- c. Remove the 5 hub nuts and the rear disc.

REASSEMBLY

REASSEMBLY

1. TEMPORARILY TIGHTEN REAR DISC BRAKE BLEEDER PLUG

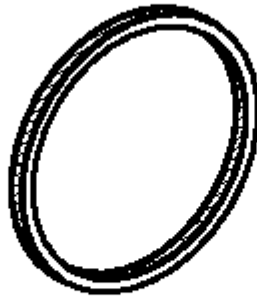
- a. Temporarily tighten the rear disc brake bleeder plug to the rear disc brake cylinder assembly.

2. INSTALL REAR DISC BRAKE BLEEDER PLUG CAP

- a. Install the rear disc brake bleeder plug cap to the rear disc brake bleeder plug.

3. INSTALL PISTON SEAL

- a. Apply a light layer of lithium soap base glycol grease to the entire circumference of a new piston seal.



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Fig. 22: Identifying Piston Seal Greasing Area

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION

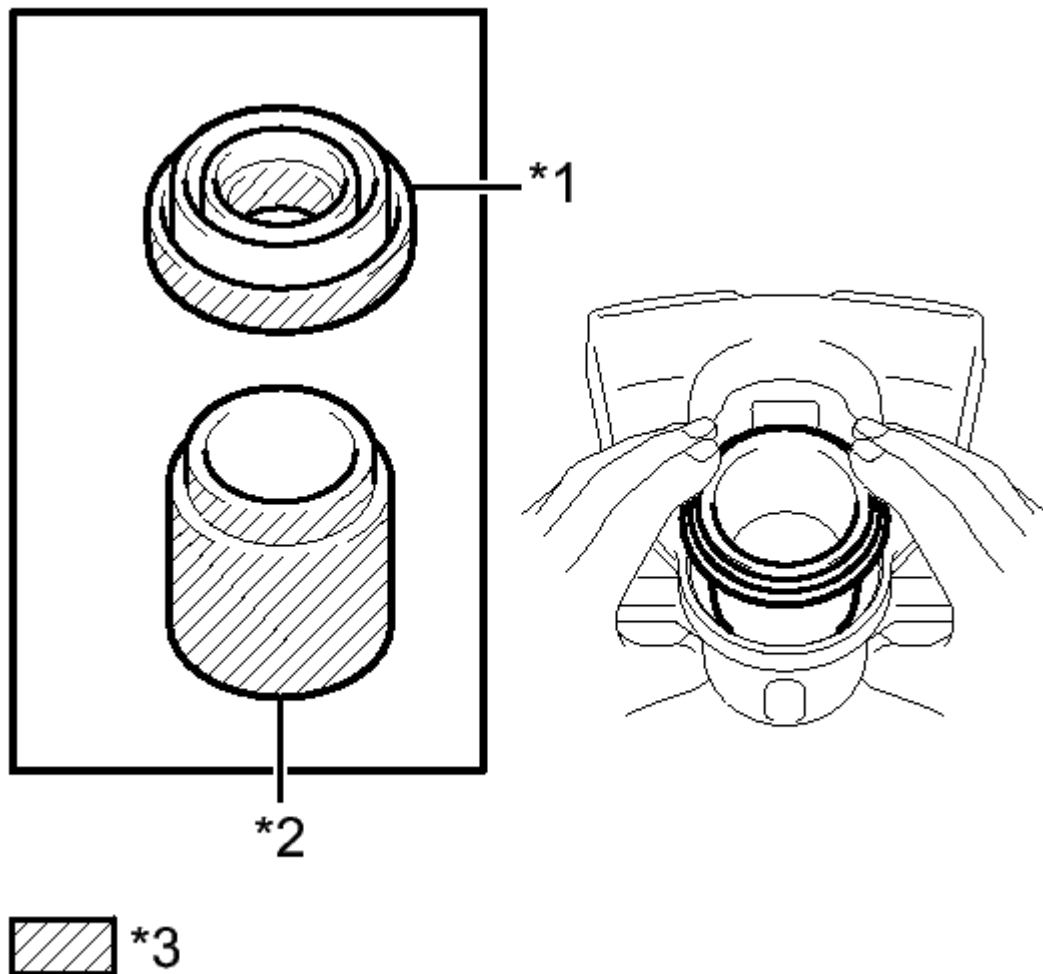
*1	Lithium
	soap
	base
	glycol grease

- b. Install the piston seal to the rear disc brake cylinder assembly.

NOTE: **Securely install the piston seal into the groove of the disc brake cylinder.**

4. INSTALL REAR DISC BRAKE PISTON

- a. Apply a light layer of lithium soap base glycol grease to the entire circumference of a new cylinder boot.



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Fig. 23: Identifying Rear Disc Brake Piston & Cylinder Boot Greasing Areas
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION

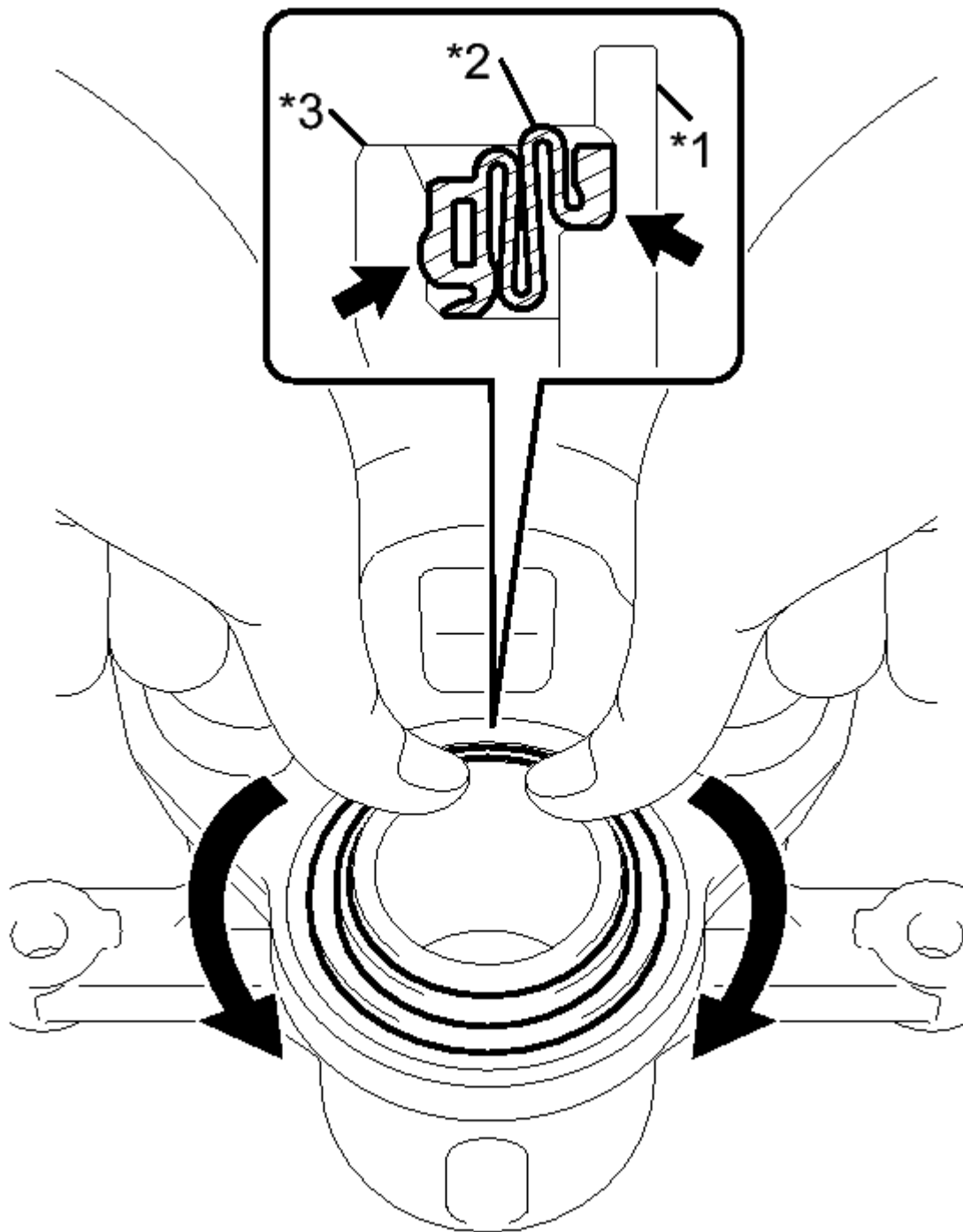
*1	Cylinder Boot
*2	Piston
*3	Lithium soap base glycol grease

- b. Install the cylinder boot to the rear disc brake piston.
- c. Apply a light layer of lithium soap base glycol grease to the contact surface of the rear disc brake piston, and install it to the rear disc brake cylinder assembly.

NOTE: **Do not install the rear disc piston forcibly in the rear disc brake cylinder assembly.**

5. INSTALL CYLINDER BOOT

- a. Install the cylinder boot to the rear disc brake cylinder assembly as shown in the illustration.



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Fig. 24: Identifying Cylinder Boot Position On Rear Disc Brake Cylinder Assembly
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION

*1	Piston
----	--------

*2	Cylinder Boot
*3	Disc Brake Cylinder

NOTE:

- Securely install the cylinder boot into the groove of the cylinder and piston.
- Do not damage the cylinder boot.

INSTALLATION

INSTALLATION

HINT:

- Use the same procedure for the RH side and LH side.
- The following procedure is for the LH side.

1. INSTALL REAR DISC

- Align the matchmarks and install the rear disc.

NOTE:

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

2. INSTALL PARKING BRAKE SHOE ADJUSTING HOLE PLUG

- Install the parking brake shoe adjusting hole plug.

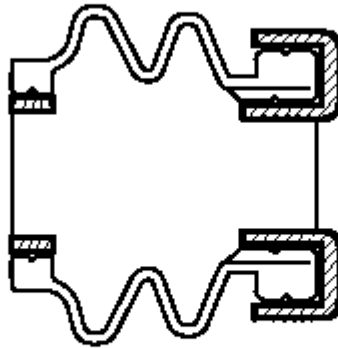
3. INSTALL REAR DISC BRAKE CYLINDER MOUNTING

- Install the rear disc brake cylinder mounting to the rear axle beam assembly with the 2 bolts.

Torque: 88 N*m (900 kgf*cm, 65 ft.*lbf)

4. INSTALL REAR DISC BRAKE BUSH DUST BOOT

- Apply a light layer of lithium soap base glycol grease to the entire circumference of 2 new rear disc brake bush dust boots.



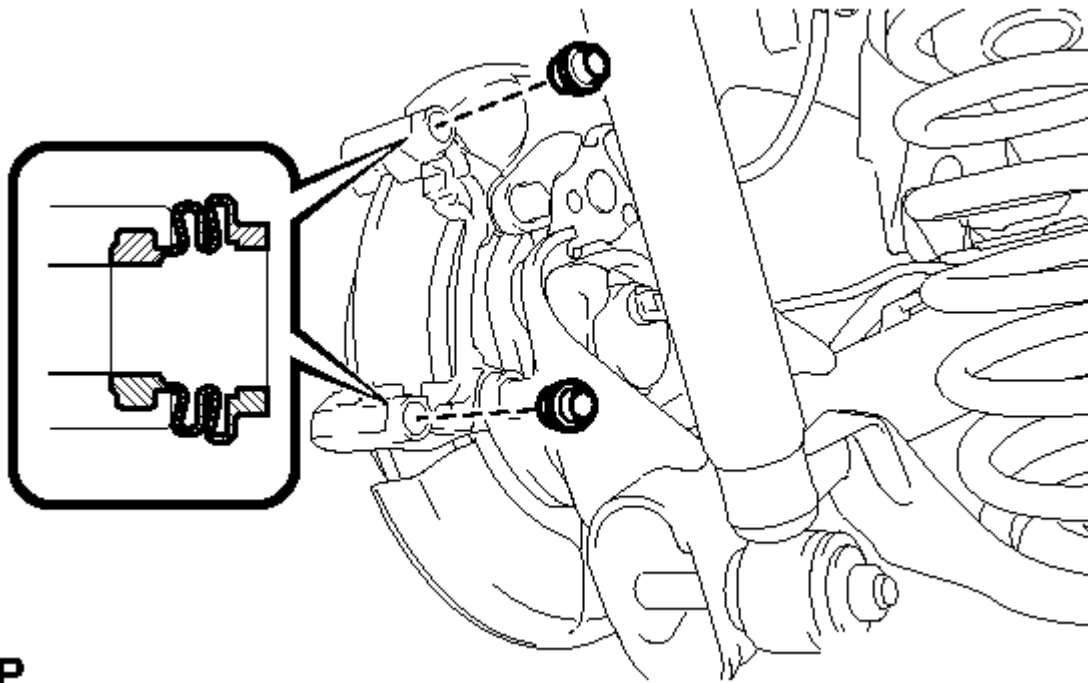
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Fig. 25: Identifying Rear Bush Dust Boot & Grease Application Area
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION

*1	Lithium
	soap
	base
	glycol grease

- b. Install the 2 rear disc brake bush dust boots to the rear disc brake cylinder mounting.

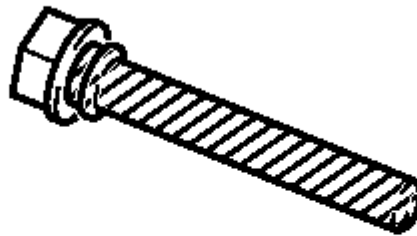


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Fig. 26: Identifying Rear Disc Brake Bush Dust Boots Position
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

5. INSTALL NO. 2 REAR DISC BRAKE CYLINDER SLIDE PIN

- a. Apply a light layer of lithium soap base glycol grease to the sliding part and the seal surface of the No. 2 rear disc brake cylinder slide pin.



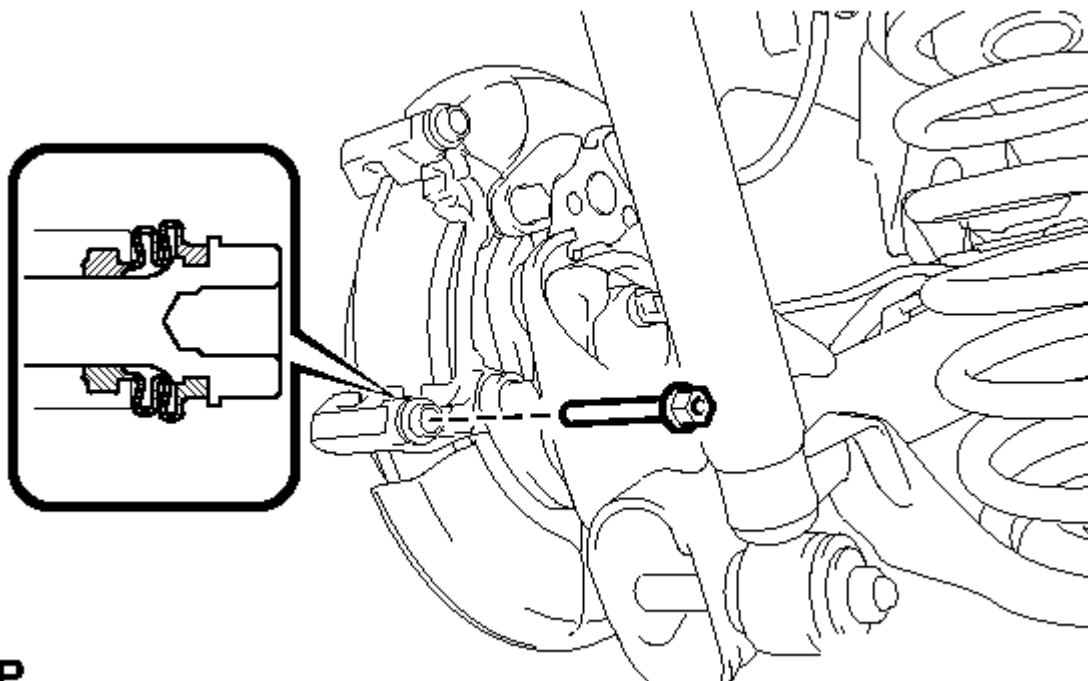
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Fig. 27: Identifying No. 2 Rear Slide Pin & Grease Application Area
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION

	Lithium
	soap
*1	base
	glycol
	grease

- b. Install the No. 2 rear disc brake cylinder slide pin to the rear brake cylinder mounting.



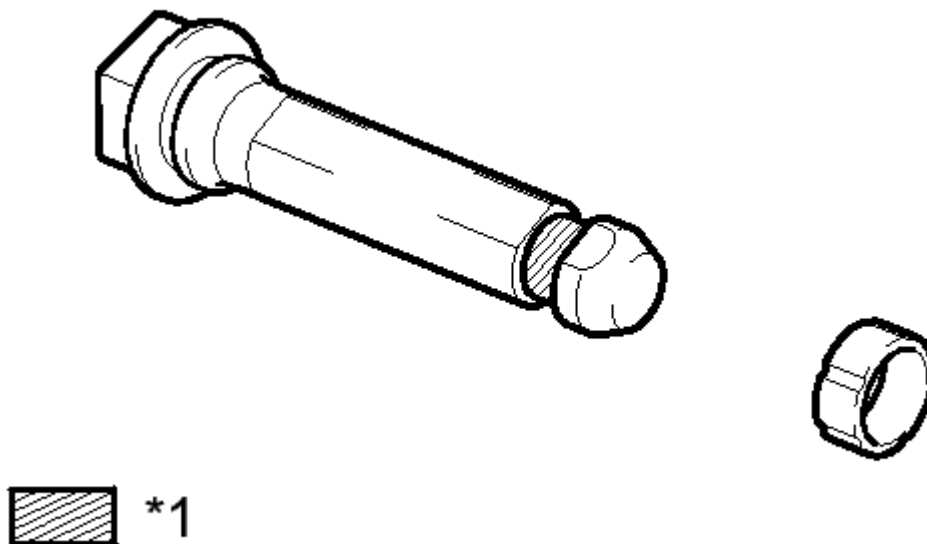
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Fig. 28: Identifying No. 2 Rear Disc Brake Cylinder Slide Pin & Dust Boot Alignment
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- c. Push the No. 2 rear disc brake cylinder slide pin into the rear disc brake bushing dust boot to align them.

6. INSTALL REAR DISC BRAKE CYLINDER SLIDE BUSH

- a. Apply a light layer of lithium soap base glycol grease to the contact surface of the No. 1 rear disc brake cylinder slide pin.



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Fig. 29: Identifying Rear Slide Bush & Grease Application Area
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

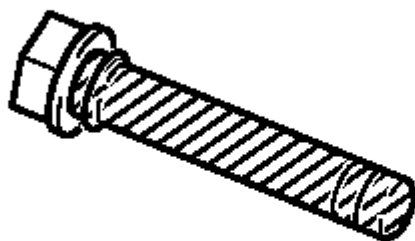
TEXT IN ILLUSTRATION

*1	Lithium
	soap
	base
	glycol grease

- b. Install a new rear disc brake cylinder slide bush to the No. 1 rear disc brake cylinder slide pin.

7. INSTALL NO. 1 REAR DISC BRAKE CYLINDER SLIDE PIN

- a. Apply a light layer of lithium soap base glycol grease to the sliding part and the seal surface of the No. 1 rear disc brake cylinder slide pin.



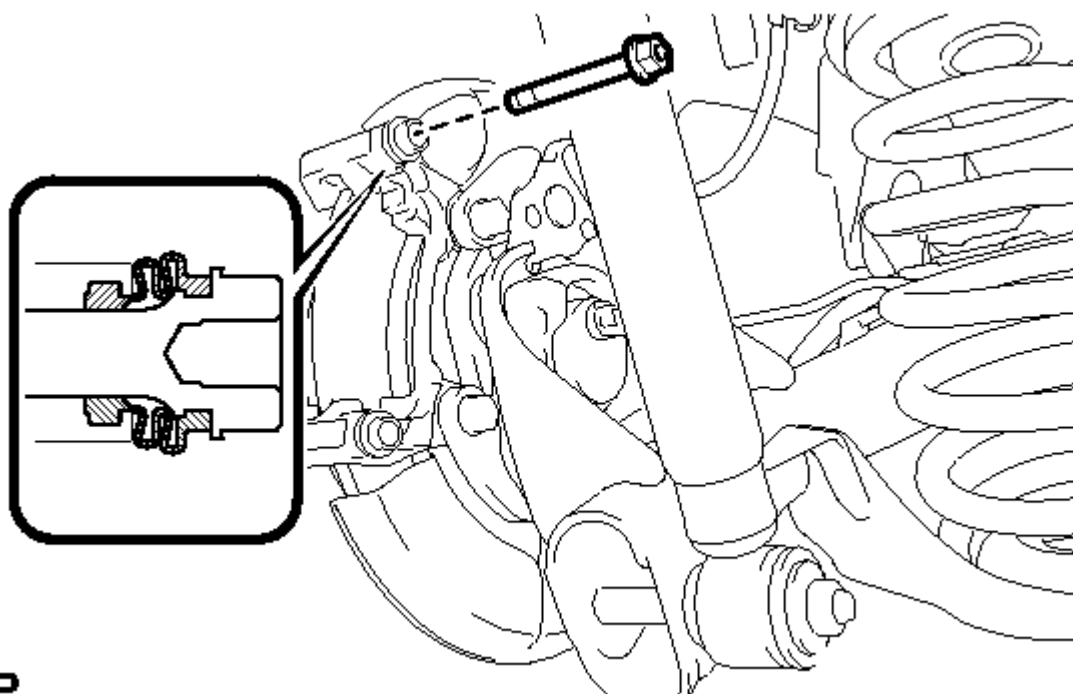
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Fig. 30: Identifying Slide Pin & Grease Application Area
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION

	Lithium
	soap
*1	base
	glycol
	grease

- b. Install the No. 1 rear disc brake cylinder slide pin to the rear disc brake cylinder mounting.



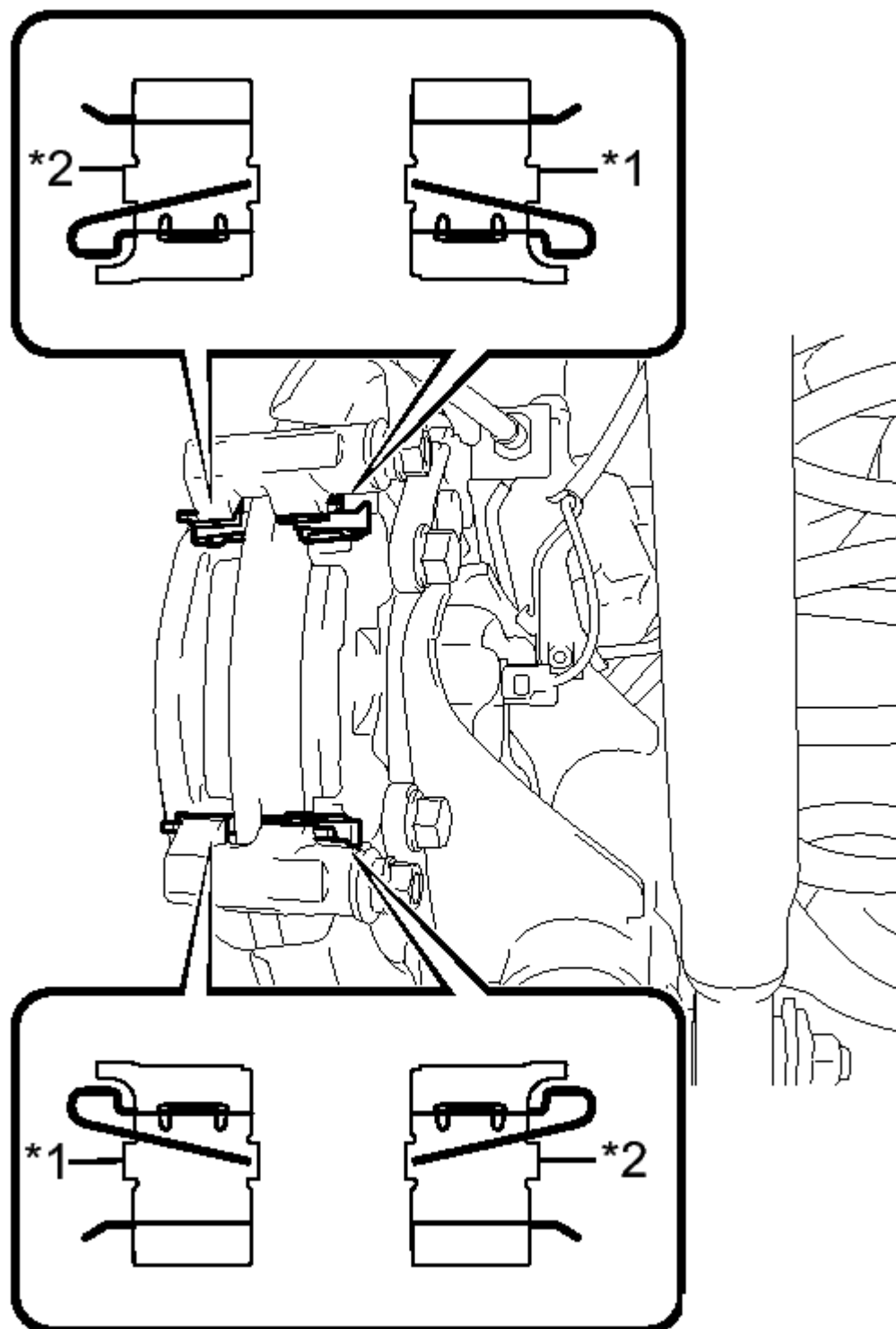
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Fig. 31: Identifying No. 1 Rear Disc Brake Cylinder Slide Pin & Bush Dust Boot Alignment
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- c. Push the No. 1 rear disc brake cylinder slide pin into the rear disc brake bush dust boot to align them.

8. INSTALL REAR DISC BRAKE PAD SUPPORT PLATE

- a. Install the 2 No. 1 rear disc brake pad support plates and 2 No. 2 rear disc brake pad support plates to the rear disc brake cylinder mounting.



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Fig. 32: Identifying No. 1 & No. 2 Rear Disc Brake Pad Support Plates
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION

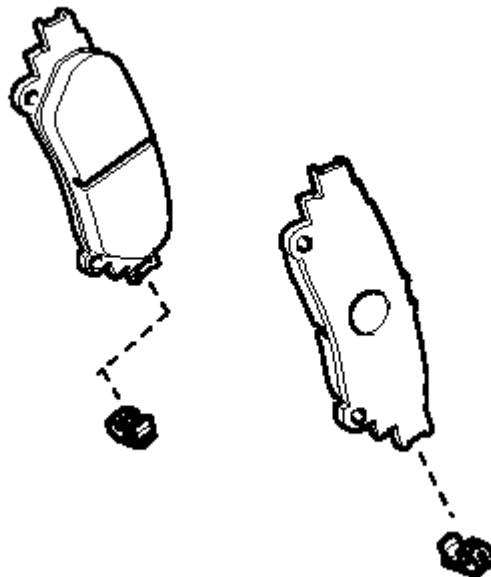
No. 1

*1	Rear Disc Brake Pad Support Plate
*2	No. 2 Rear Disc Brake Pad Support Plate

NOTE: Be sure to install the No. 1 rear disc brake pad support plate and No. 2 rear disc brake pad support plate to the correct positions and directions.

9. INSTALL PAD WEAR INDICATOR PLATE

- a. Install the 2 pad wear indicators to the rear disc brake pads.



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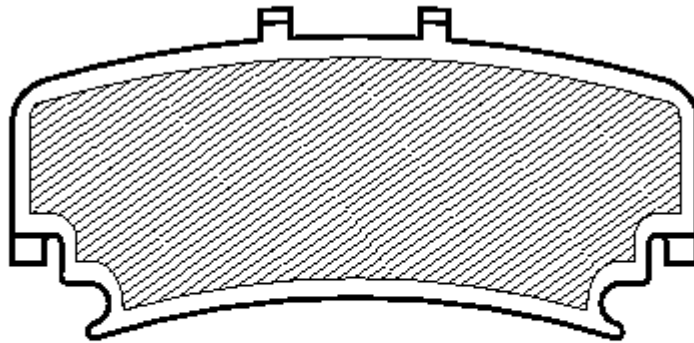
Fig. 33: Identifying Pad Wear Indicator Plates

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

NOTE: Install the pad wear indicator plates in the correct positions and directions.

10. INSTALL REAR DISC BRAKE ANTI-SQUEAL SHIM

- a. Apply disc brake grease to the inside of the 2 rear disc brake anti-squeal shims as shown in the illustration.



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Fig. 34: Identifying Rear Disc Brake Anti-Squeal Shim Grease Area
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

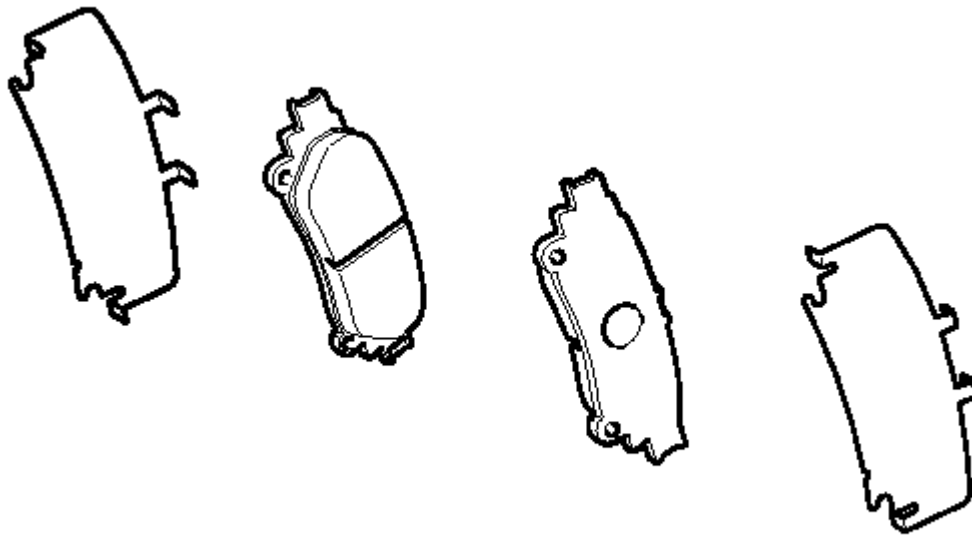
TEXT IN ILLUSTRATION

*1	Disc brake grease
----	-------------------------

NOTE:

- When replacing worn pads, the rear disc brake anti-squeal shims must be replaced together with the pads.
- Apply disc brake grease to the area that contacts the rear disc brake anti-squeal shims.
- Disc brake grease can come out slightly from the area where the rear disc brake anti-squeal shims are installed.
- Make sure that disc brake grease is not applied onto the lining surface.

- b. Install the rear disc brake anti-squeal shims to each of the 2 rear disc brake pads.



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Fig. 35: Identifying Rear Disc Brake Anti-Squeal Shims & Rear Disc Brake Pads
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

NOTE: Install the shims in the correct positions and directions.

11. INSTALL REAR DISC BRAKE PAD

- a. Install the 2 rear disc brake pads to the rear disc brake cylinder mounting.

12. INSTALL REAR DISC BRAKE CYLINDER ASSEMBLY

- a. Hold the 2 rear disc brake cylinder slide pins and install the rear disc brake cylinder assembly to the rear disc brake cylinder mounting with the 2 bolts.

Torque: 27 N*m (270 kgf*cm, 20 ft.*lbf)

13. CONNECT REAR FLEXIBLE HOSE

- a. Connect the rear flexible hose to the rear disc brake cylinder assembly with a new union bolt and a new gasket.

Torque: 30 N*m (310 kgf*cm, 22 ft.*lbf)

14. FILL RESERVOIR WITH BRAKE FLUID . Refer to REPLACEMENT - Step 2

15. BLEED BRAKE LINE . Refer to BLEEDING - Step 4

16. INSPECT FOR BRAKE FLUID LEAK

17. INSPECT FLUID LEVEL IN RESERVOIR . Refer to ON-VEHICLE INSPECTION - Step 1

18. ADJUST PARKING BRAKE SHOE CLEARANCE AND PARKING BRAKE PEDAL TRAVEL .
 Refer to ADJUSTMENT - Step 2

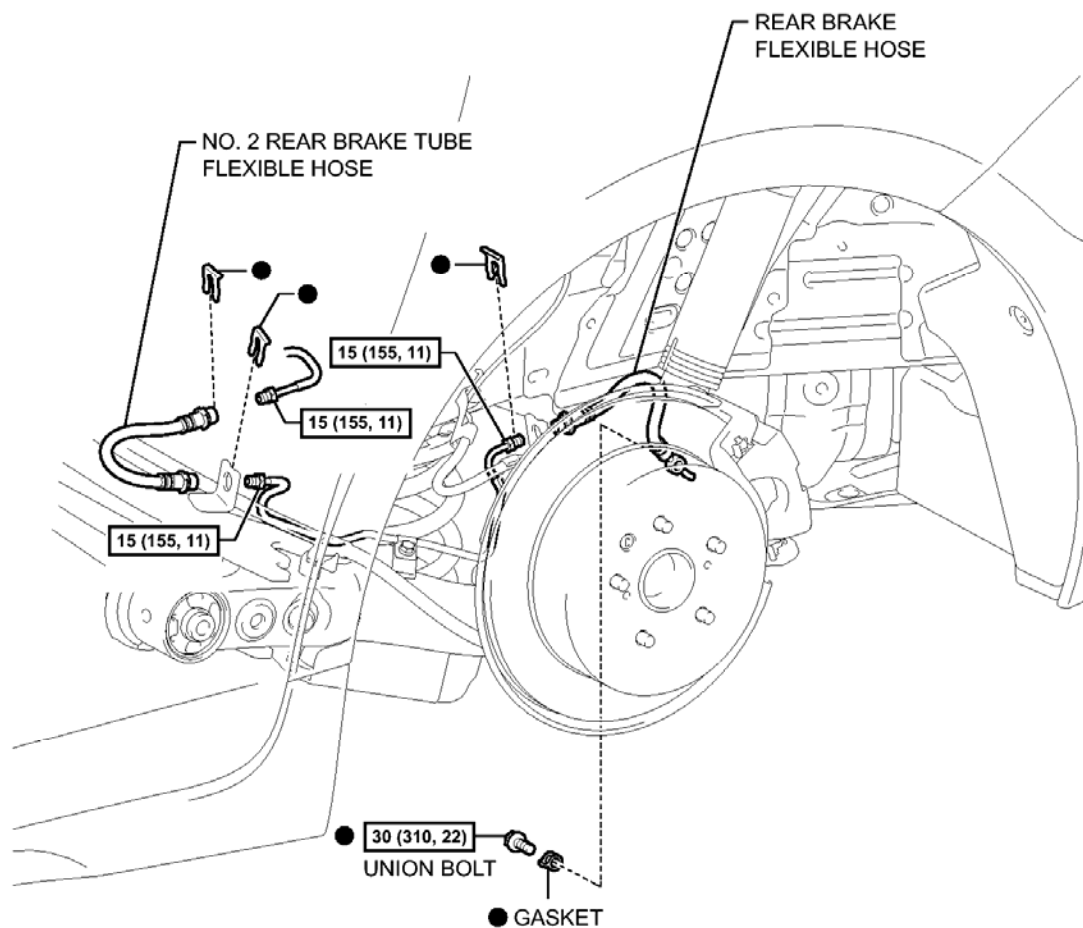
19. INSTALL REAR WHEEL

Torque: 103 N*m (1050 kgf*cm, 76 ft.*lbf)

REAR BRAKE FLEXIBLE HOSE

COMPONENTS

ILLUSTRATION



[N*m (kgf*cm, ft.*lbf)]: Specified torque

● Non-reusable part

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Fig. 36: Rear Brake Flexible Hose Replacement Components With Torque Specifications
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

REMOVAL

REMOVAL

1. REMOVE REAR WHEEL

2. DRAIN BRAKE FLUID

NOTE: Immediately wash off any brake fluid that comes into contact with any painted surfaces.

3. REMOVE NO. 2 REAR BRAKE TUBE FLEXIBLE HOSE

- a. Using a union nut wrench (10 mm), disconnect the 2 brake lines while holding the rear flexible hose with a wrench.

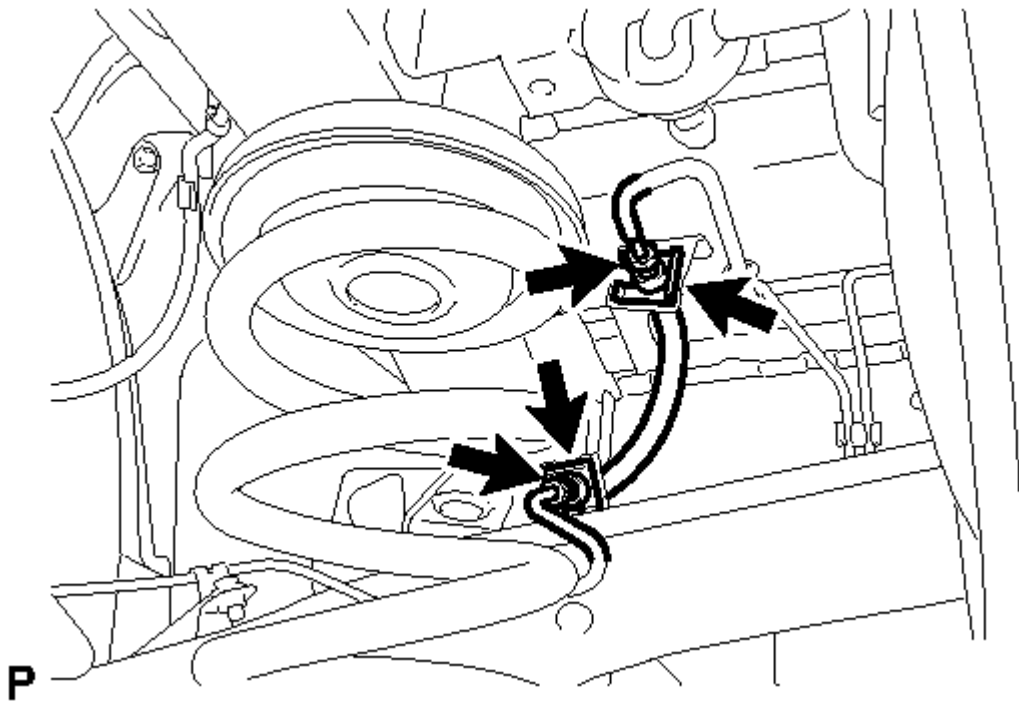


Fig. 37: Identifying No. 2 Rear Brake Tube Flexible Hose Union Nuts & Clips
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

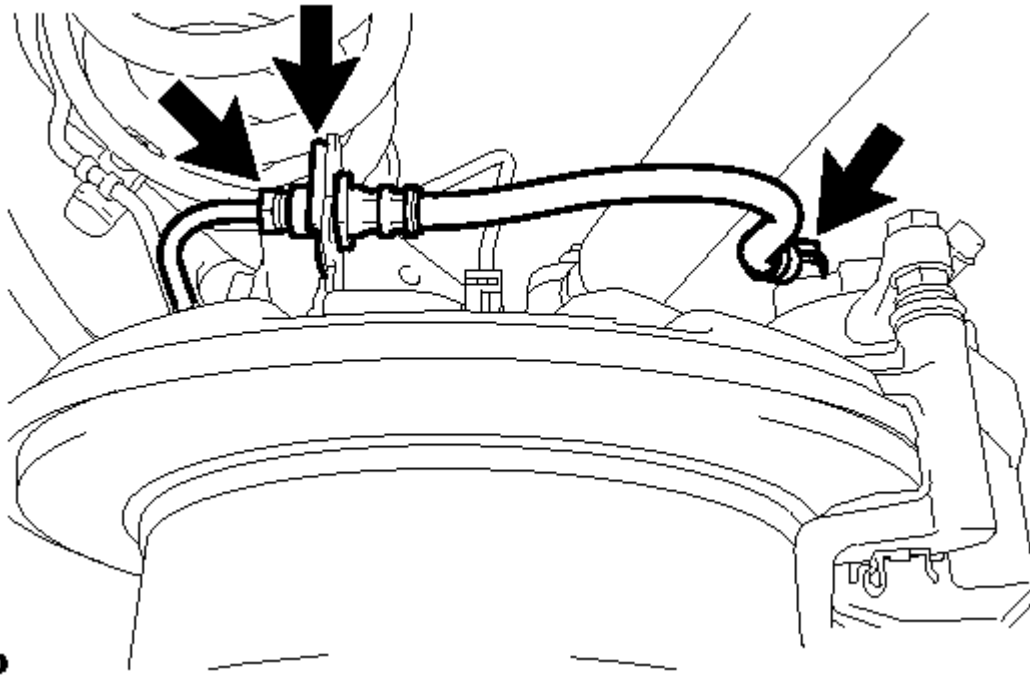
NOTE:

- Do not bend or damage the brake line.
- Do not allow any foreign matter such as dirt and dust to enter the brake lines.

- b. Remove the 2 clips and flexible hose from the axle beam.

4. REMOVE REAR BRAKE FLEXIBLE HOSE

- a. Using a union nut wrench (10 mm), separate the brake line while holding the flexible hose with a wrench.



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Fig. 38: Identifying Rear Brake Flexible Hose Union Nuts & Clip
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

NOTE:

- Do not bend or damage the brake line.
- Do not allow any foreign matter such as dirt and dust to enter the brake lines.

- b. Remove the clip and disconnect the flexible hose from the axle beam.
- c. Remove the union bolt, gasket and flexible hose from the disc brake cylinder.

INSTALLATION

INSTALLATION

1. INSTALL REAR BRAKE FLEXIBLE HOSE

- a. Install the flexible hose with a new union bolt and a new gasket.

Torque: 30 N*m (310 kgf*cm, 22 ft.*lbf)

HINT:

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

- b. Install the flexible hose with a new clip onto the axle beam.
- c. Using a union nut wrench (10 mm), install the brake line onto the flexible hose while holding the flexible hose with a wrench.

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

NOTE:

- Do not bend or damage the brake line.
- Do not allow any foreign matter such as dirt and dust to enter the brake line.
- Use the formula to calculate special torque values for situations where the union nut wrench is combined with a torque wrench. Refer to PRECAUTION .

2. INSTALL NO. 2 REAR BRAKE TUBE FLEXIBLE HOSE

- a. Install the flexible hose with 2 new clips onto the axle beam.
- b. Using a union nut wrench (10 mm), connect the 2 brake lines to the rear flexible hose while holding the rear flexible hose with a wrench.

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

NOTE:

- Do not bend or damage the brake line.
- Do not allow any foreign matter such as dirt and dust to enter the brake line.
- Use the formula to calculate special torque values for situations where the union nut wrench is combined with a torque wrench. Refer to PRECAUTION .

3. FILL RESERVOIR WITH BRAKE FLUID . Refer to REPLACEMENT - Step 2

4. BLEED BRAKE LINE . Refer to BLEEDING - Step 4

5. INSPECT FOR BRAKE FLUID LEAK

6. INSPECT FLUID LEVEL IN RESERVOIR . Refer to ON-VEHICLE INSPECTION - Step 1

7. INSTALL REAR WHEEL

Torque: 103 N*m (1050 kgf*cm, 76 ft.*lbf)

BRAKES

Brake System (Rear) (Service Specifications) - Sienna

BRAKE (REAR)

SERVICE DATA

SERVICE DATA

Rear brake pad lining thickness	Standard	10.0 mm (0.394 in.)
	Minimum	1.0 mm (0.0394 in.)
Rear brake disc thickness	Standard	10.0 mm (0.394 in.)
	Minimum	8.5 mm (0.335 in.)
Rear disc brake runout		0.15 mm (0.00591 in.)

TORQUE SPECIFICATIONS

TORQUE SPECIFICATIONS

Part Tightened	N*m	kgf*cm	ft.*lbf
Rear disc brake cylinder mounting x Rear axle beam assembly	88	900	65
Rear disc brake cylinder assembly x Rear disc brake cylinder	27	270	20

mounting			
Rear flexible hose x Rear disc brake cylinder assembly	30	310	22
Rear disc brake bleeder plug	11	110	8
Rear wheel	103	1050	76
Brake line x Rear flexible hose	15	155	11