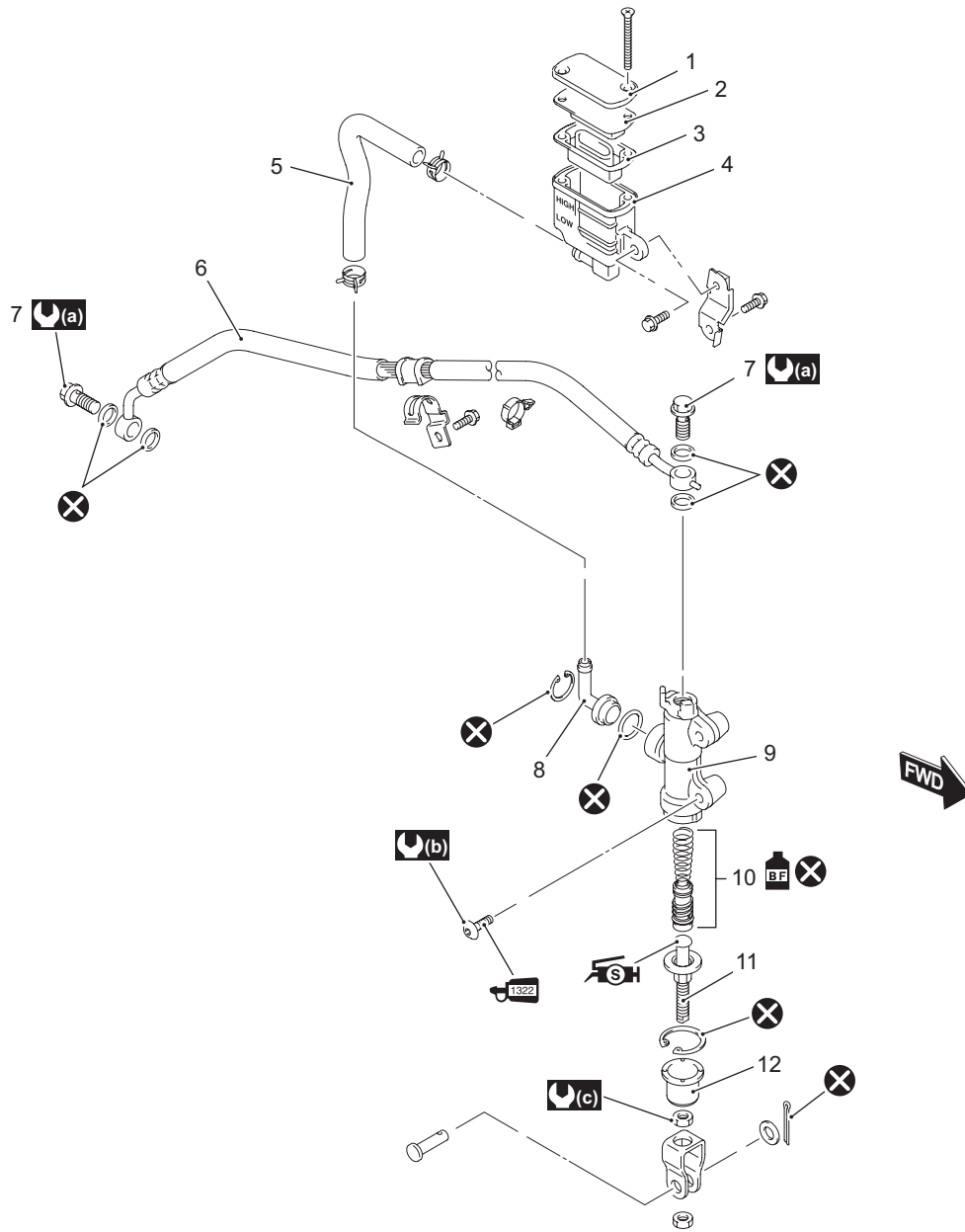


Rear Brake Master Cylinder Components

B837H14106015



I837H1410057-02

1. Reservoir cap	6. Brake hose	11. Push rod	: Apply silicone grease.
2. Insulator	7. Brake hose union bolt	12. Dust boot	: Apply thread lock to the thread part.
3. Diaphragm	8. Brake hose connector	: 23 N·m (2.3 kgf-m, 16.5 lb-ft)	: Apply brake fluid.
4. Reservoir tank	9. Master cylinder	: 10 N·m (1.0 kgf-m, 0.7 lb-ft)	: Do not reuse.
5. Reservoir hose	10. Piston/Cup set	: 18 N·m (1.8 kgf-m, 13.0 lb-ft)	

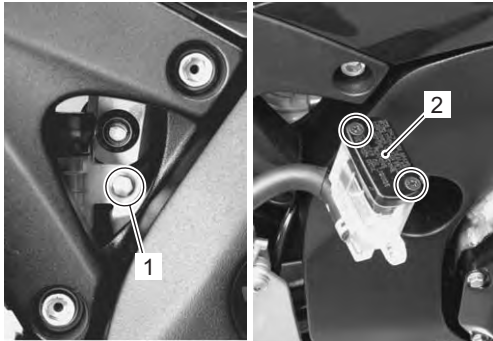
## Rear Brake Master Cylinder Assembly Removal and Installation

B837H14106016

Refer to "Rear Brake Hose Routing Diagram (Page 4A-2)".

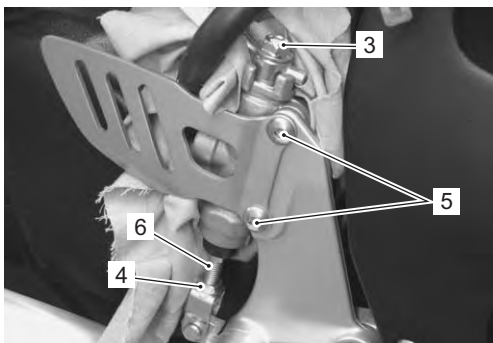
### Removal

- 1) Remove the reservoir tank mounting bolt (1).
- 2) Remove the reservoir cap (2) and diaphragm.
- 3) Drain brake fluid. Refer to "Brake Fluid Replacement (Page 4A-7)".



I837H1410042-01

- 4) Place a rag underneath the brake hose union bolt (3) on the master cylinder to catch any spilt brake fluid.
- 5) Remove the brake hose union bolt (3) and disconnect the brake hose.
- 6) Loosen the lock-nut (4).
- 7) Remove the master cylinder mounting bolts (5).
- 8) Remove the master cylinder along with the reservoir by turning the push rod (6).



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### Installation

Install the rear brake master cylinder in the reverse order of removal. Pay attention to the following points:

#### **⚠ CAUTION**

**The seal washers should be replaced with the new ones to prevent fluid leakage.**

- Apply thread lock to the master cylinder mounting bolts (1) and tighten them to the specified torque.

**🔩1322 : Thread lock cement 99000-32110 (THREAD LOCK CEMENT SUPER 1322 or equivalent)**

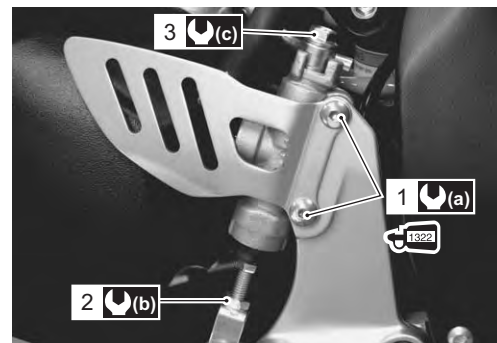
- Tighten the lock-nut (2) to the specified torque.
- After setting the brake hose union to the stopper, tighten the union bolt (3) to the specified torque.

### Tightening torque

**Rear brake master cylinder mounting bolt (a): 10 N·m (1.0 kgf-m, 7.0 lb-ft)**

**Rear brake master cylinder rod lock-nut (b): 18 N·m (1.8 kgf-m, 13.0 lb-ft)**

**Brake hose union bolt (c): 23 N·m (2.3 kgf-m, 16.5 lb-ft)**



I837H1410044-01

- Bleed air from the brake system after reassembling the master cylinder. Refer to "Air Bleeding from Brake Fluid Circuit (Page 4A-5)".
- Adjust the brake pedal height. Refer to "Brake System Inspection in Section 0B (Page 0B-17)".

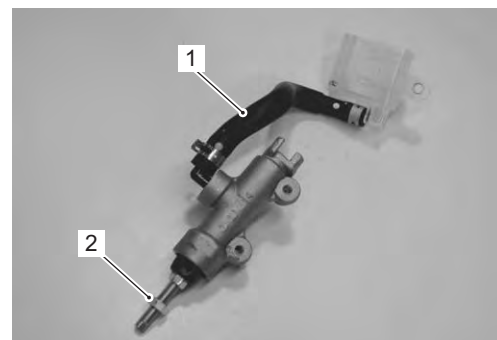
## Rear Brake Master Cylinder Disassembly and Assembly

B837H14106017

Refer to "Rear Brake Master Cylinder Assembly Removal and Installation (Page 4A-16)".

### Disassembly

- 1) Disconnect the reservoir hose (1).
- 2) Remove the lock-nut (2).

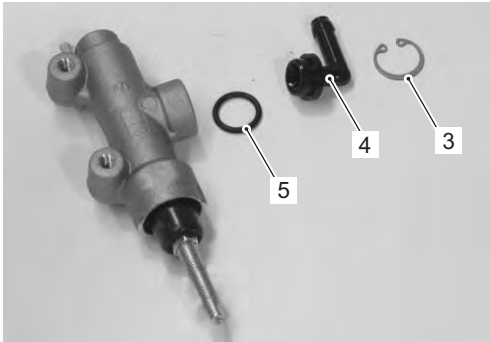


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- 3) Remove the snap ring (3), brake hose connector (4) and O-ring (5).

**Special tool**


 : 09900-06108 (Snap ring pliers)

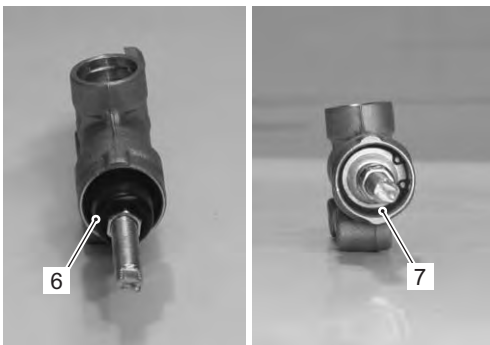


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- 4) Pull out the dust boot (6) and remove the snap ring (7) with the special tool.

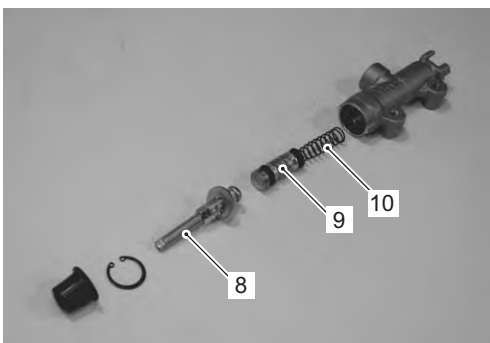
**Special tool**

 : 09900-06108 (Snap ring pliers)



I837H1410047-01

- 5) Remove the push rod (8), piston/cup set (9) and spring (10).



I837H1410048-01

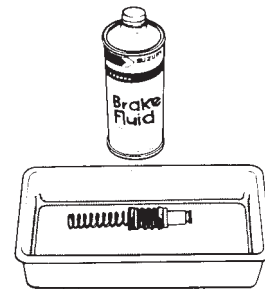
**Assembly**

Assemble the master cylinder in the reverse order of disassembly. Pay attention to the following points:

**⚠ CAUTION**


- Wash the master cylinder components with new brake fluid before reassembly.
- Do not wipe the brake fluid off after washing the components.
- When washing the components, use the specified brake fluid. Never use different types of fluid or cleaning solvents such as gasoline, kerosine, etc.
- Apply brake fluid to the master cylinder bore and all of the master cylinder component to be inserted into the bore.

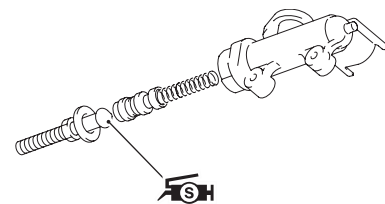
**BF: Brake fluid (DOT 4)**



I649G1410036-02

- Apply grease to the push rod end.

 : Grease 99000-25100 (SUZUKI Silicone Grease or equivalent)

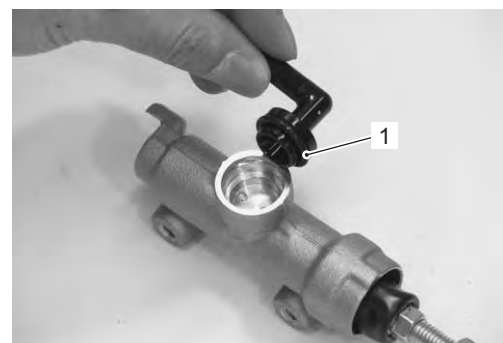


I815H1410051-01

- Install the O-ring (1).

**⚠ CAUTION**

**Replace the O-ring (1) with a new one.**



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