

CLUTCH MASTER CYLINDER ASSY OVERHAUL

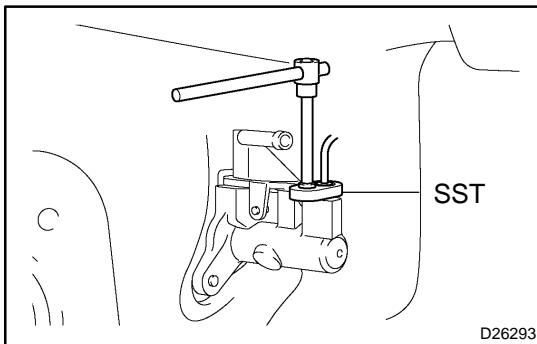
4202E-07

1. DRAIN CLUTCH FLUID
2. REMOVE BRAKE MASTER CYLINDER SUB-ASSY
(SEE PAGE 27-4)
3. REMOVE BRAKE BOOSTER ASSY
(SEE PAGE 26-19)
4. DISCONNECT CLUTCH RESERVOIR TUBE

(a) Loosen the clip and disconnect the clutch reservoir tube from the clutch master cylinder assy.

HINT:

Use a container to catch the fluid.



5. DISCONNECT CLUTCH MASTER CYLINDER TO FLEXIBLE HOSE TUBE

(a) Using SST, disconnect the flexible hose tube.

HINT:

Use a container to catch the fluid.

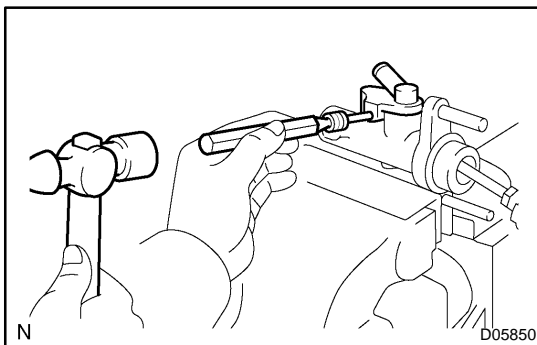
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6. REMOVE CLUTCH MASTER CYLINDER PUSH ROD CLEVIS W/HOLE PIN

(a) Remove the clip and hole pin.

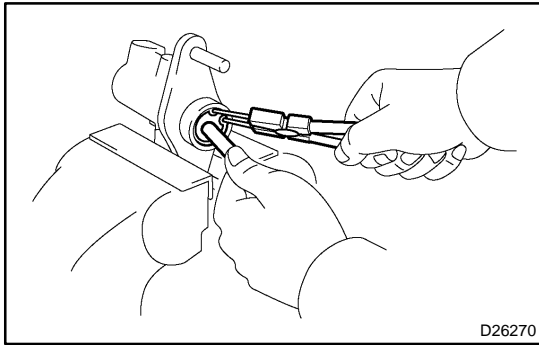
7. REMOVE CLUTCH MASTER CYLINDER ASSY

(a) Remove the 2 nuts and clutch master cylinder assy.



8. REMOVE CLUTCH MASTER CYLINDER KIT

- (a) Using a pin punch (ϕ 5 mm) and hammer, drive out the slotted spring pin.
- (b) Remove the inlet union and grommet.
- (c) Loosen the lock nut, and remove the push rod clevis.
- (d) Remove the lock nut from the push rod.
- (e) Remove the boot from the cylinder body.



- (f) While pushing the piston rod, using snap ring pliers, remove the snap ring.
- (g) Remove the push rod from the cylinder body.

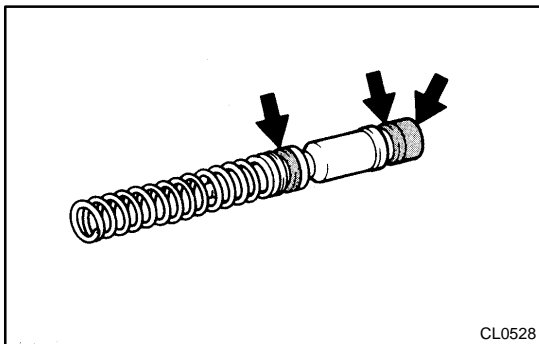
NOTICE:

The piston may pop up out of the cylinder body. Therefore, slowly remove the push rod from the cylinder body.

- (h) Remove the stop plate from the push rod.
- (i) Remove the piston with spring from the cylinder.

NOTICE:

Be careful not to damage the inside of the cylinder body.

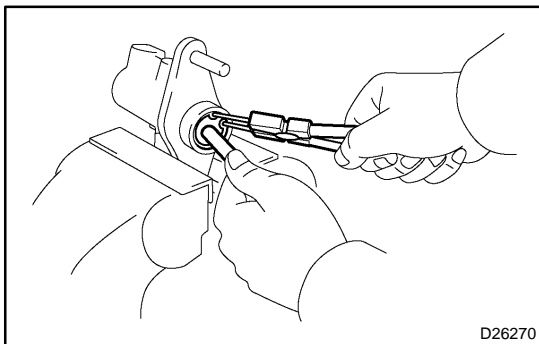
9. INSTALL CLUTCH MASTER CYLINDER KIT

- (a) Coat parts with lithium soap base glycol grease, shown in the illustration.
- (b) Install the piston with spring into the cylinder.

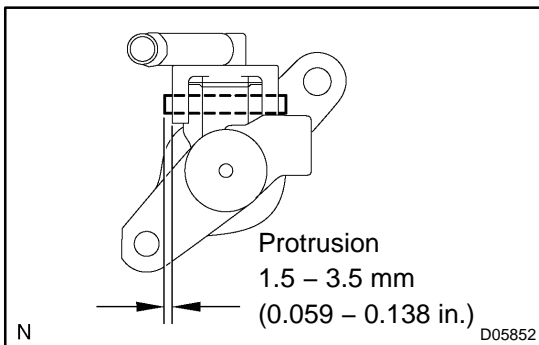
NOTICE:

Be careful not to damage the inside of the cylinder body.

- (c) Install the stop plate to the push rod.
- (d) Install the push rod to the cylinder body.



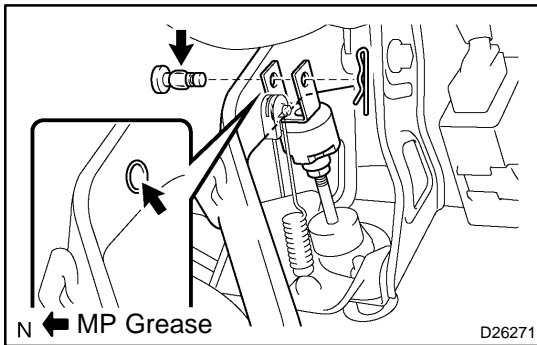
- (e) While pushing the piston rod, using snap ring pliers, install the snap ring.
- (f) Install the boot to the cylinder body.
- (g) Install the lock nut to the push rod.
- (h) Temporarily install the push rod clevis with the lock nut to the push rod.
- (i) Install the inlet union and a new grommet.



- (j) Using a pin punch (ϕ 5 mm) and hammer, drive in the slotted spring pin.

10. INSTALL CLUTCH MASTER CYLINDER ASSY

- (a) Install the clutch master cylinder assy with the 2 nuts.
Torque: 12 N·m (120 kgf·cm, 9 ft·lbf)



11. INSTALL CLUTCH MASTER CYLINDER PUSH ROD CLEVIS W/HOLE PIN

- Apply MP grease to the contact surface of the hole pin and bush.
- Connect the clevis to the clutch pedal assy with the hole pin.

HINT:

Install the hole pin from the left side of the vehicle.

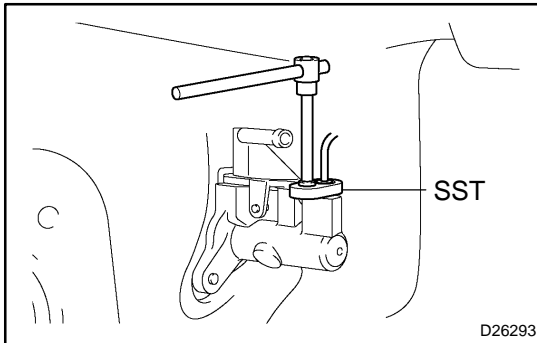
- Install the clip to the hole pin.

12. CONNECT CLUTCH MASTER CYLINDER TO FLEXIBLE HOSE TUBE

- Using SST, connect the flexible hose tube.

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

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13. CONNECT CLUTCH RESERVOIR TUBE

- Connect the clutch reservoir tube with the clip to the clutch master cylinder assy.

NOTICE:

Connect the clutch reservoir tube so that it will not be twisted.

14. INSTALL BRAKE BOOSTER ASSY

(SEE PAGE 26-19)

15. INSTALL BRAKE MASTER CYLINDER SUB-ASSY

(SEE PAGE 27-4)

16. BLEED MASTER CYLINDER

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17. BLEED BRAKE LINE

(SEE PAGE 30-8)

18. BLEED CLUTCH PIPE LINE

- Fill the brake reservoir tank with clutch fluid and bleed clutch system.

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

19. CHECK AND ADJUST BRAKE PEDAL HEIGHT

(SEE PAGE 30-29)

20. INSPECT AND ADJUST CLUTCH PEDAL SUB-ASSY

(SEE PAGE 42-7)

21. CHECK BRAKE FLUID LEAKAGE

22. CHECK CLUTCH FLUID LEAKAGE

23. CHECK FLUID LEVEL IN RESERVOIR