CLUTCH MASTER CYLINDER ASSY

4202I–01

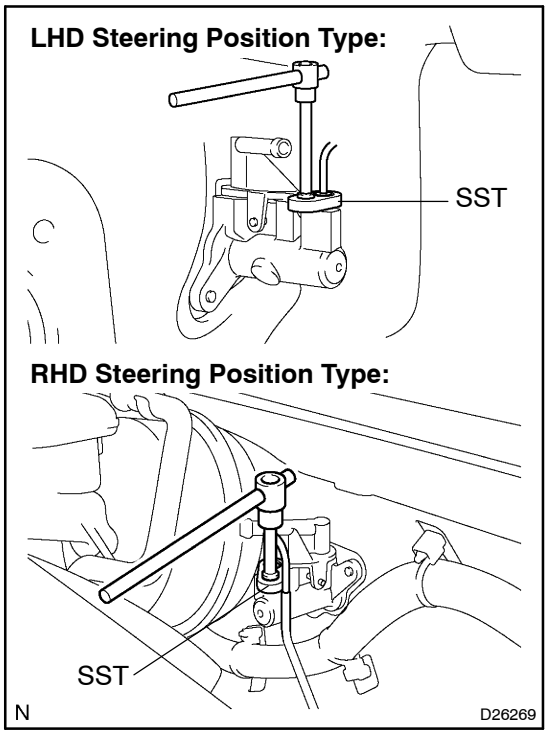
OVERHAUL

1. **DRAIN CLUTCH FLUID**
2. **REMOVE BRAKE MASTER CYLINDER SUB–ASSY(LHD STEERING POSITION TYPE)**
   (See page 32–11)
3. **REMOVE BRAKE BOOSTER ASSY(LHD STEERING POSITION TYPE)**
   (See page 32–22)
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.
SST 09023–00100

HINT:

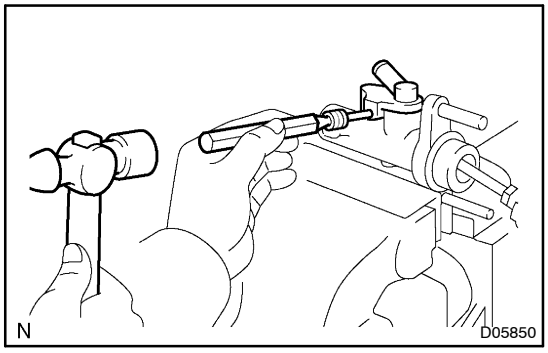
Use a container to catch the fluid.

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

(a) Remove the clip and hole pin.

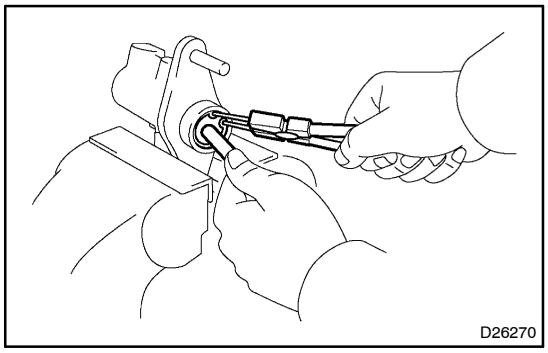
7. **REMOVE CLUTCH MASTER CYLINDER ASSY**

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



8. REMOVE CLUTCH MASTER CYLINDER KIT

(a) Using a pin punch (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:

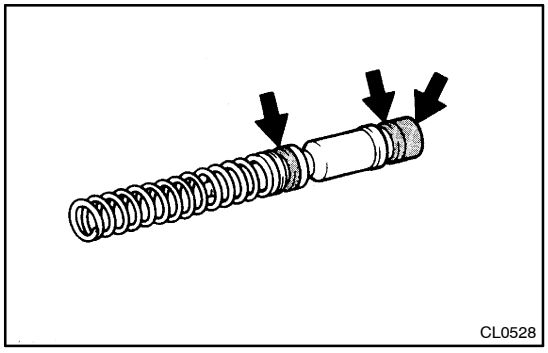
The piston may pop up out of the cylinder body. Therefore, slowly remove the push rod from the cylinder body.

(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

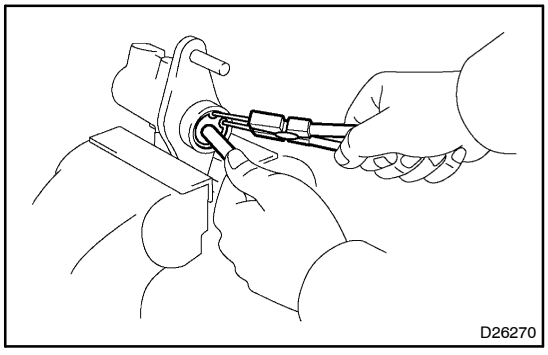


(a) Coat parts with lithium soap base glycol grease, shown in the illustration.
(b) Install the piston with spring into the cylinder.

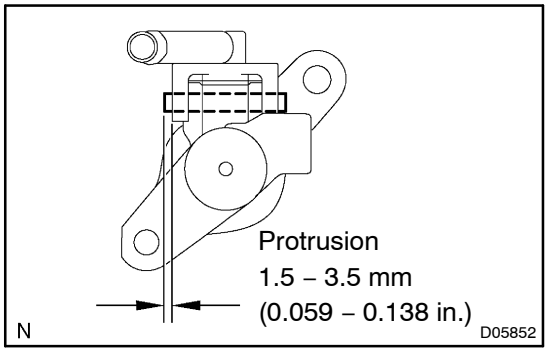
NOTICE:

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.



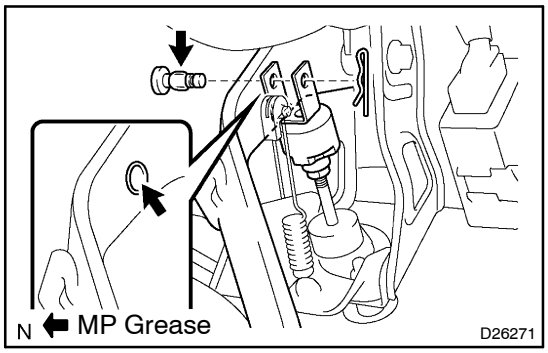
(e) While pushing the piston rod, using snap ring pliers, install the snap ring.
(f) Install the boot to the cylinder body.
(g) Install the lock nut to the push rod.
(h) Temporarily install the push rod clevis with the lock nut to the push rod.
(i) Install the inlet union and a new grommet.



(j) Using a pin punch (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: 11.8 N·m (120 kgf·cm, 9 ft·lbf)



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

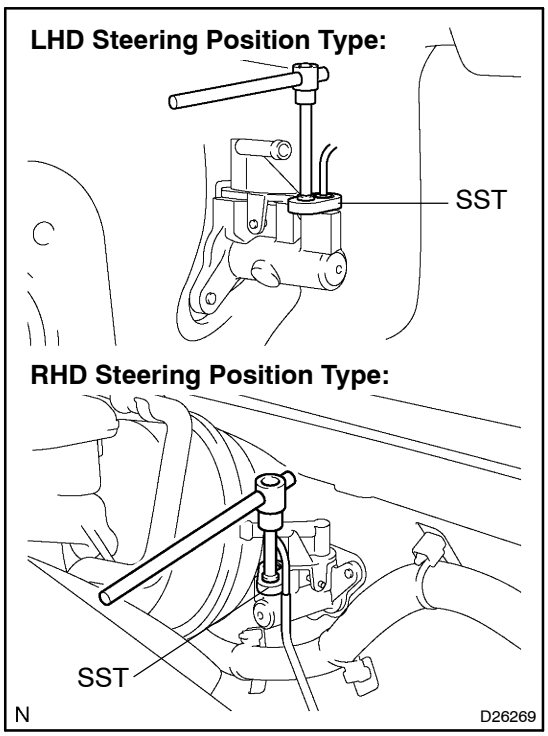
(a) Apply MP grease to the contact surface of the hole pin and bush.
(b) Connect the clevis to the clutch pedal assy with the hole pin.

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

(c) Install the clip to the hole pin.

12. CONNECT CLUTCH MASTER CYLINDER TO FLEXIBLE HOSE TUBE

(a) Using SST, connect the flexible hose tube.
SST 09023–00100
Torque: 15.2 N·m (155 kgf·cm, 11 ft·lbf)



13. CONNECT CLUTCH RESERVOIR TUBE

(a) 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(LHD STEERING POSITION TYPE)
(See page 32–22)

15. INSTALL BRAKE MASTER CYLINDER SUB–ASSY(LHD STEERING POSITION TYPE)
(See page 32–11)

16. BLEED MASTER CYLINDER(LHD STEERING POSITION TYPE)(See page 32–4)
SST 09023–00100

17. BLEED BRAKE LINE(LHD STEERING POSITION TYPE)(See page 32–4)

18. BLEED CLUTCH PIPE LINE

(a) 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(LHD STEERING POSITION TYPE)
(See page 32–6)

20. INSPECT AND ADJUST CLUTCH PEDAL SUB–ASSY
(See page 42–7)

21. CHECK BRAKE FLUID LEAKAGE(LHD STEERING POSITION TYPE)

22. CHECK CLUTCH FLUID LEAKAGE

23. CHECK FLUID LEVEL IN RESERVOIR