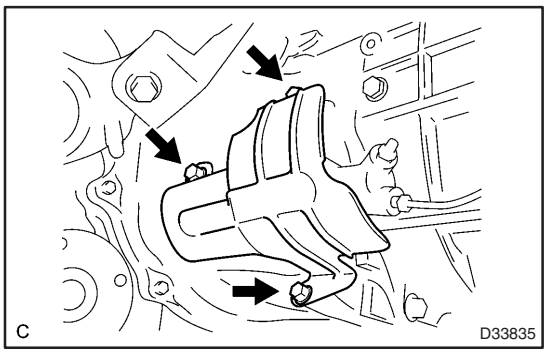
CLUTCH RELEASE CYLINDER ASSY (MTM)(2TR–FE/1GR–FE/1KD–FTV)

4209K–01

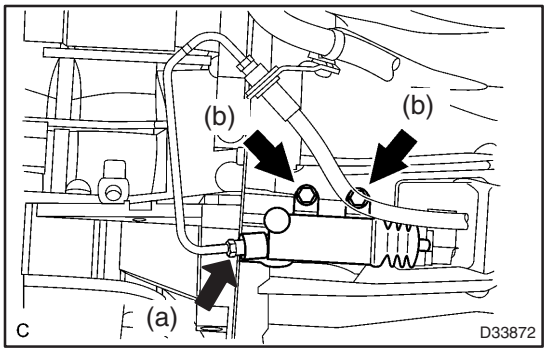
OVERHAUL

1. REMOVE ENGINE UNDER COVER ASSY REAR



2. REMOVE CLUTCH HOUSING COVER NO.1 (1GR–FE ENGINE TYPE)

(a) Remove the 3 bolts and clutch housing cover No.1.



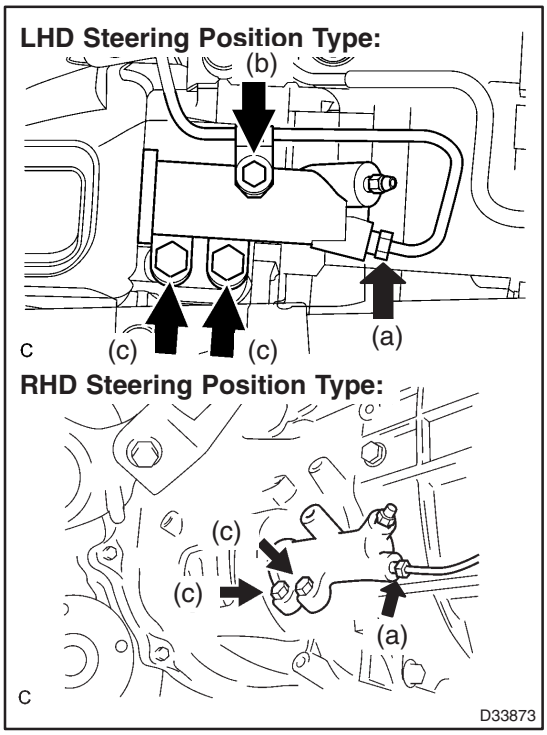
3. REMOVE CLUTCH RELEASE CYLINDER ASSY (2TR–FE ENGINE TYPE)

(a) Using SST, disconnect the clutch line.
SST 09023–00101

HINT:

Use a container to catch any fluid.

(b) Remove the 2 bolts and clutch release cylinder.



4. REMOVE CLUTCH RELEASE CYLINDER ASSY (1GR–FE ENGINE TYPE)

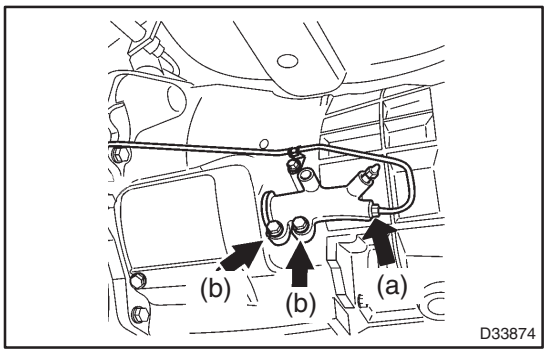
(a) Using SST, disconnect the clutch line.
SST 09023–00101

HINT:

Use a container to catch any fluid.

(b) LHD steering position type:
Remove the bolt and separate the clutch line clamp.

(c) Remove the 2 bolts and clutch release cylinder.



5. REMOVE CLUTCH RELEASE CYLINDER ASSY (1KD–FTV ENGINE TYPE)

(a) Using SST, disconnect the clutch line.
SST 09023–00101

HINT:

Use a container to catch any fluid.

(b) Remove the 2 bolts and clutch release cylinder.

6. REMOVE CLUTCH RELEASE CYLINDER KIT

(a) Remove the boot from the cylinder body.
(b) Remove the push rod from the cylinder body.
(c) Remove the piston from the cylinder body.

NOTICE:

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

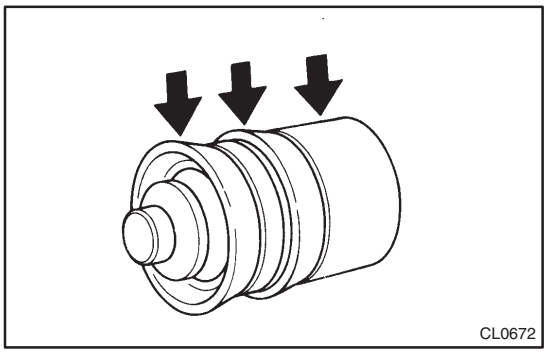
(d) Remove the spring from the piston.
(e) Remove the bleeder plug cap from the bleeder plug.

7. REMOVE RELEASE CYLINDER BLEEDER PLUG

8. INSTALL RELEASE CYLINDER BLEEDER PLUG
Torque: 11 N·m (112 kgf·cm, 8 ft·lbf)

9. INSTALL CLUTCH RELEASE CYLINDER KIT

(a) Install the bleeder plug cap to the bleeder plug.
(b) Install a new spring to the cylinder body.

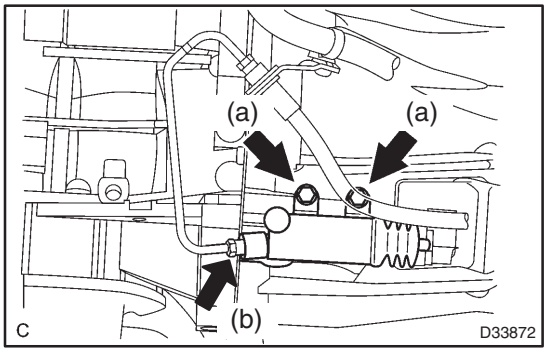


(c) Coat the piston with lithium soap base glycol grease, as shown in the illustration.
(d) Install the piston to the cylinder body.

NOTICE:

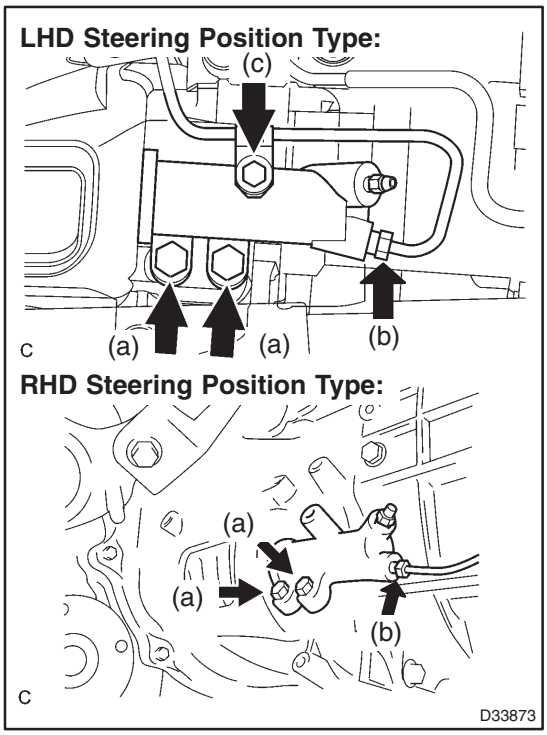
Be careful not to damage the inside of the cylinder body.

(e) Install the push rod to the cylinder body.
(f) Install the boot to the cylinder body.



10. INSTALL CLUTCH RELEASE CYLINDER ASSY (2TR–FE ENGINE TYPE)

(a) Install the clutch release cylinder assy with the 2 bolts.
Torque: 12 N·m (120 kgf·cm, 9 ft·lbf)
(b) Using SST, connect the clutch line.
SST 09023–00101
Torque: 16 N·m (160 kgf·cm, 11 ft·lbf)

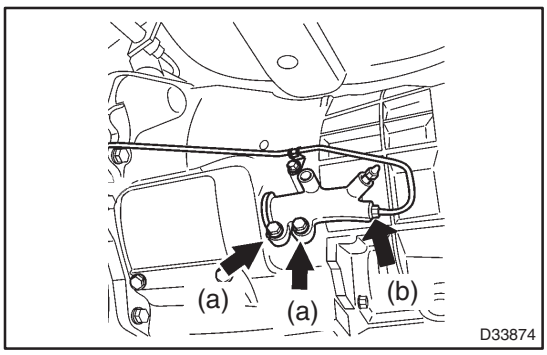


11. INSTALL CLUTCH RELEASE CYLINDER ASSY (1GR–FE ENGINE TYPE)

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

(b) Using SST, connect the clutch line.
SST 09023–00101
Torque: 16 N·m (160 kgf·cm, 11 ft·lbf)

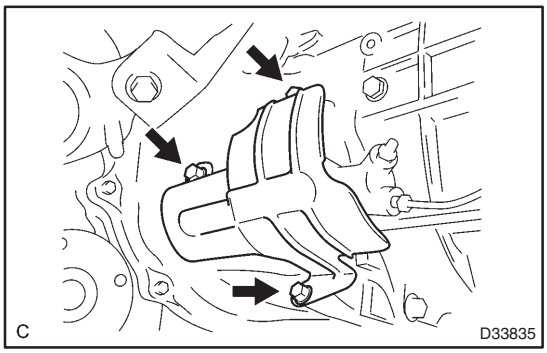
(c) LHD steering position type:
Connect the clutch line with the bolt.
Torque: 12 N·m (120 kgf·cm, 9 ft·lbf)



12. INSTALL CLUTCH RELEASE CYLINDER ASSY (1KD–FTV ENGINE TYPE)

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

(b) Using SST, connect the clutch line.
SST 09023–00101
Torque: 16 N·m (160 kgf·cm, 11 ft·lbf)



13. REMOVE CLUTCH HOUSING COVER NO.1 (1GR–FE ENGINE TYPE)

(a) Install the clutch housing cover No.1 with the 3 bolts.
Torque: 12 N·m (120 kgf·cm, 9 ft·lbf)

14. BLEED CLUTCH PIPE LINE

(a) LHD (w/o VSC):
Fill the brake reservoir tank with brake fluid and bleed the clutch system.
Torque: 11 N·m (112 kgf·cm, 8 ft·lbf)

(b) Fill the master cylinder reservoir tank with brake fluid and bleed the clutch system.
Torque: 11 N·m (112 kgf·cm, 8 ft·lbf)

15. CHECK CLUTCH FLUID LEAKAGE

16. CHECK FLUID LEVEL IN RESERVOIR

17. INSTALL ENGINE UNDER COVER ASSY REAR
Torque: 29 N·m (296 kgf·cm, 21 ft·lbf)