

### 5. Operating Cylinder

#### A: REMOVAL

##### CAUTION:

Clutch fluid spilled on the vehicle body will harm the paint surface; wash it off with water and wipe clean quickly if spilled.

##### NOTE:

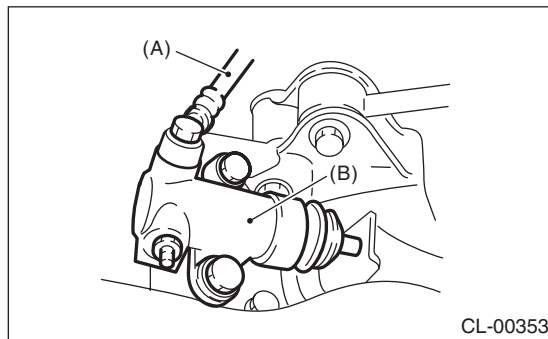
The illustration below is suitable for every model. Perform the same procedures for the other models.

1) Remove the air intake chamber. <Ref. to IN(H4SO)-7, REMOVAL, Air Intake Chamber.>

2) Disconnect the clutch hose from the operating cylinder.

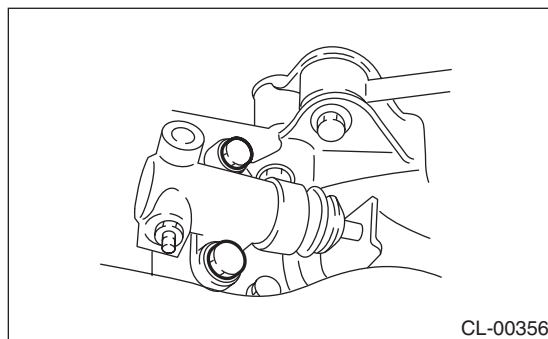
##### CAUTION:

Cover the hose joint to prevent the clutch fluid from flowing out.



- (A) Clutch hose
- (B) Operating cylinder

3) Remove the operating cylinder from the transmission.



#### B: INSTALLATION

1) Install in the reverse order of removal.

##### NOTE:

Before installing the operating cylinder, apply grease to the contact point of the release lever and operating cylinder.

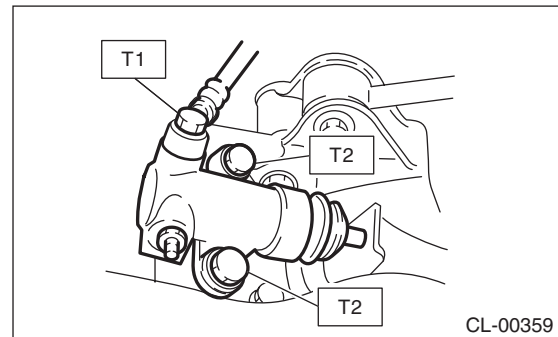
##### Grease

**NICHIMOLY N-130 (Part No. K0879Y0501) or equivalent**

##### Tightening torque:

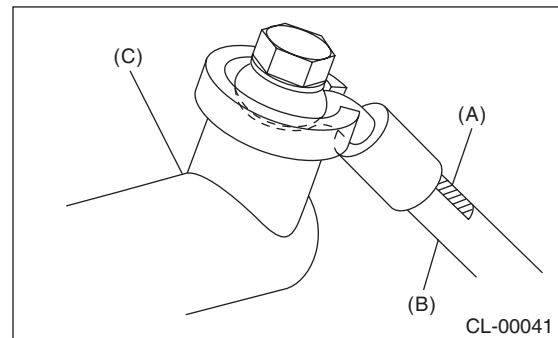
**T1: 18 N·m (1.8 kgf-m, 13.3 ft-lb)**

**T2: 37 N·m (3.8 kgf-m, 27.3 ft-lb)**



##### NOTE:

- Be sure to install the clutch hose with the mark side facing upward.
- Be careful not to twist the clutch hose during installation.

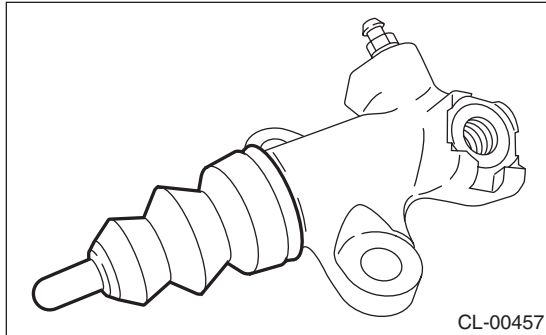


- (A) Mark
- (B) Clutch hose
- (C) Operating cylinder

2) After bleeding air from the operating cylinder, ensure that the clutch operates properly. <Ref. to CL-20, Clutch Fluid Air Bleeding.>

## C: DISASSEMBLY

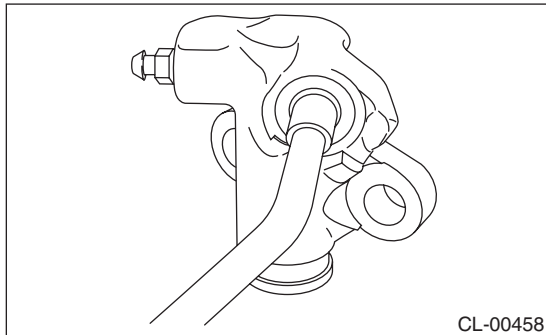
- 1) Remove the boot and push rod.



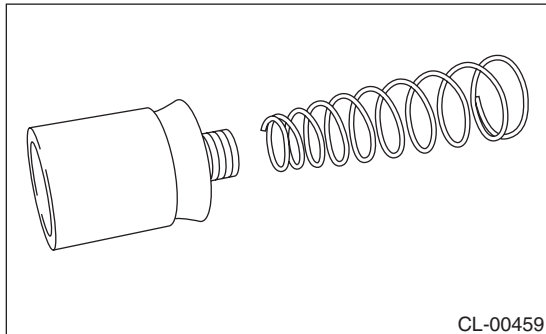
- 2) Apply compressed air through clutch hose attachment hole.

### NOTE:

Face the piston hole down and place a piece of wood underneath to prevent the piston from popping out.



- 3) Separate the piston and piston spring.



## D: ASSEMBLY

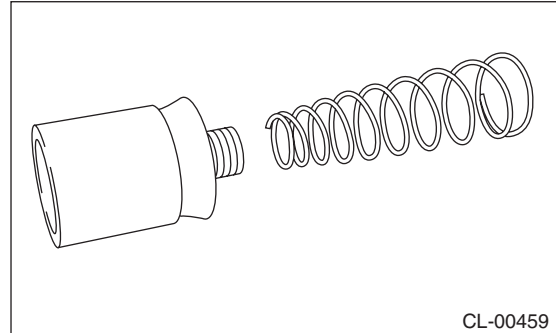
### NOTE:

During assembly, apply clutch fluid to all parts.

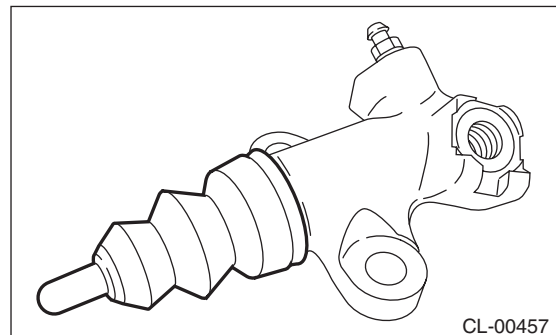
### Recommended clutch fluid:

**New FMVSS No. 116 DOT3 or DOT4**

- 1) Install the piston spring onto the piston.



- 2) Insert piston into the operating cylinder.
- 3) Install push rod to the boot.
- 4) Install boot and push rod to the operating cylinder.



## E: INSPECTION

- 1) Check that the operating cylinder is not damaged. If operating cylinder is damaged, replace it.
- 2) Check the operating cylinder for fluid leakage or damage on the boot. Replace the operating cylinder if leaks or damages are noted.