

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.

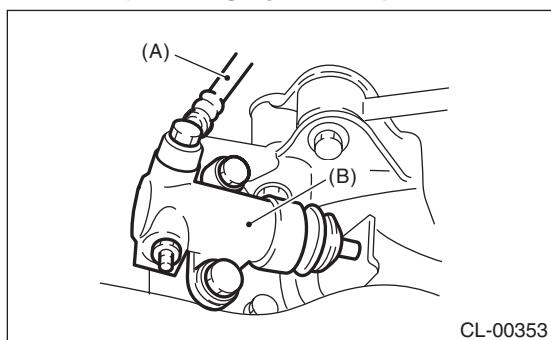
1) Remove the air intake chamber. (non-turbo model) <Ref. to IN(H4SO)-7, REMOVAL, Air Intake Chamber.>

2) Remove the intercooler. (Turbo model) <Ref. to IN(H4DOTC)-13, REMOVAL, Intercooler.>

3) Disconnect the clutch hose from the operating cylinder.

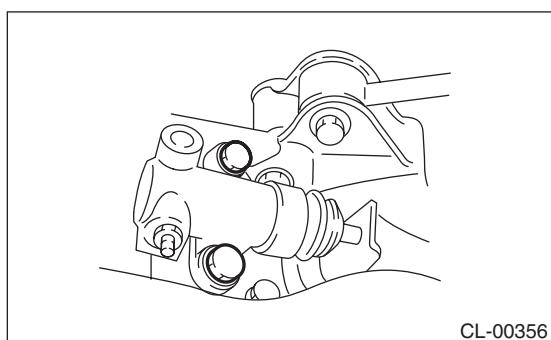
CAUTION:

- Cover the hose joint to prevent the clutch fluid from flowing out.
- Do not loosen or remove the cap bolt at the rear of the operating cylinder. (Turbo model)



(A) Clutch hose
(B) Operating cylinder

4) Remove the operating cylinder from the transmission.



CL-00356

B: INSTALLATION

NOTE:

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

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.

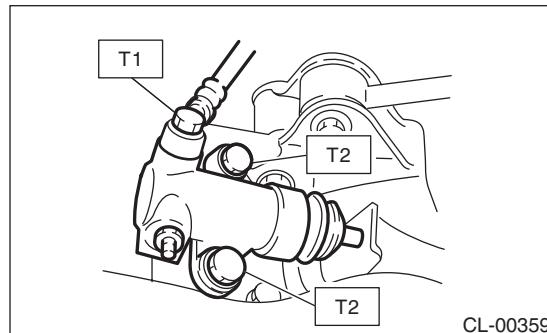
Grease

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

Tightening torque:

T1: 18 N·m (1.8 kgf-m, 13.3 ft-lb)

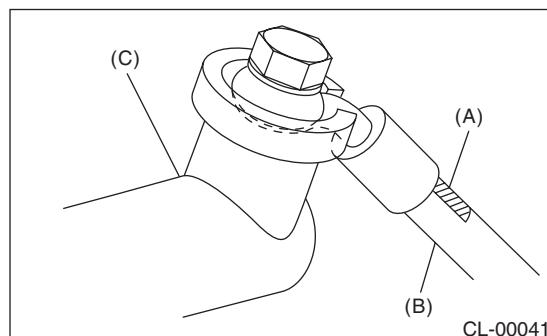
T2: 37 N·m (3.8 kgf-m, 27.3 ft-lb)



CL-00359

NOTE:

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



CL-00041

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

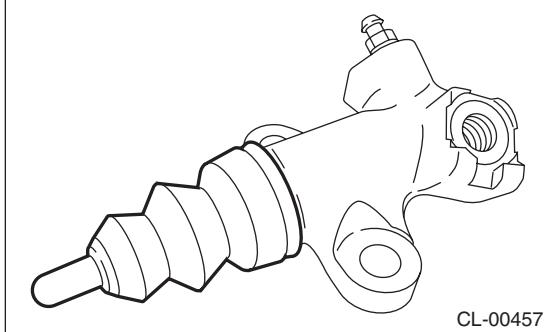
2) After bleeding air from the operating cylinder, ensure that the clutch operates properly. <Ref. to CL-22, Clutch Fluid Air Bleeding.>

C: DISASSEMBLY

NOTE:

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

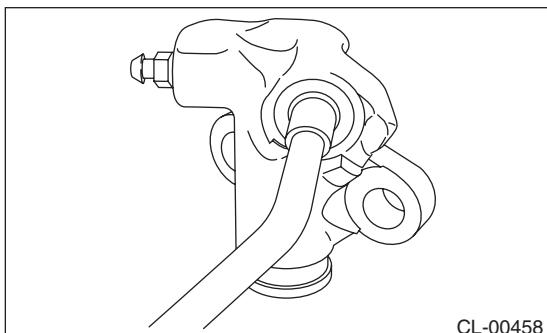
- 1) Remove the boot and push rod.



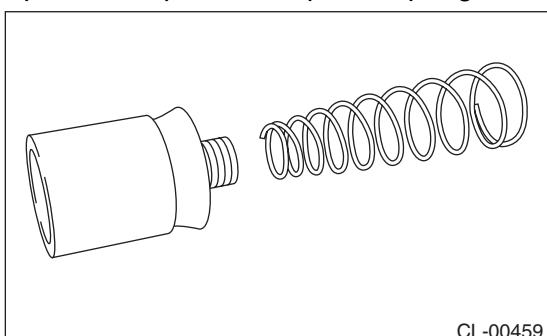
- 2) Apply compressed air through clutch hose attachment hole.

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

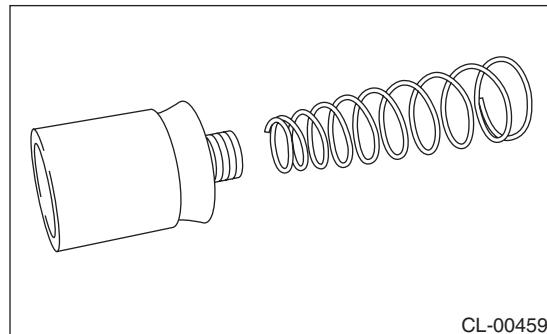
NOTE:

- The illustration below is suitable for every model.
Perform the same procedures for the other models.
- During assembly, apply hydraulic oil to all parts.

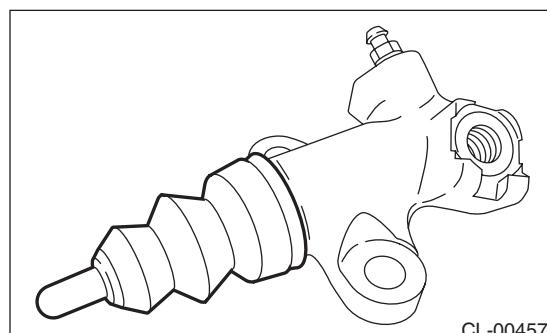
Recommended clutch fluid:

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.