

# CLUTCH FLUID AIR BLEEDING

## CLUTCH SYSTEM

### 9. Clutch Fluid Air Bleeding

#### A: PROCEDURE

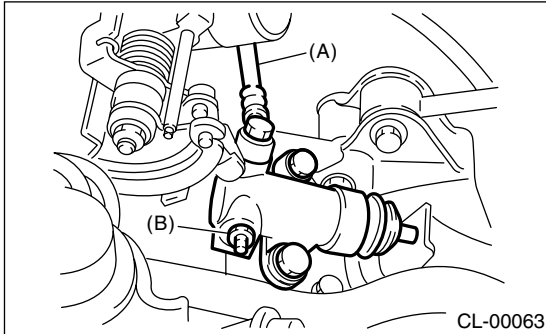
##### 1. NON-TURBO MODEL

###### NOTE:

Bleed air from the oil line with help of a co-worker.

1) Remove the air cleaner case and air intake duct. <Ref. to IN(H4SO)-5, REMOVAL, Air Cleaner Case.> and <Ref. to IN(H4SO)-6, REMOVAL, Air Intake Duct.>

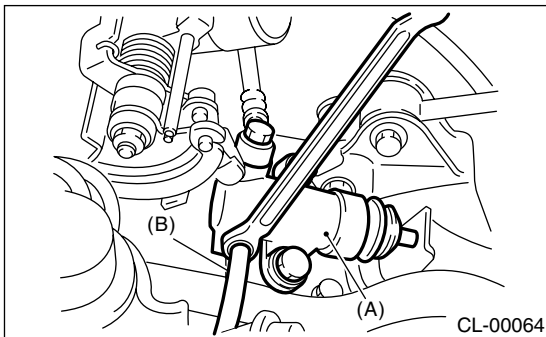
2) Fit one end of a vinyl tube into the air bleeder of operating cylinder and put the other end into a brake fluid container.



- (A) Clutch hose
- (B) Air bleeder

3) Slowly depress the clutch pedal and keep it depressed. Then open the air bleeder to discharge air together with the fluid.

Release the air bleeder for 1 or 2 seconds. Next, with the bleeder closed, slowly release the clutch pedal.



- (A) Operating cylinder
- (B) Vinyl tube

4) Repeat these steps until there are no more air bubbles in the vinyl tube.

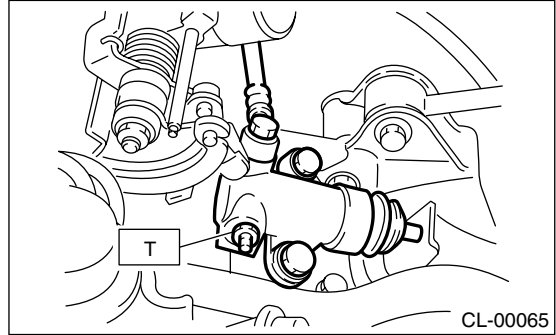
###### CAUTION:

Cover the bleeder with waste cloth when loosening it, to prevent brake fluid from being splashed over surrounding parts.

5) Tighten the air bleeder.

###### Tightening torque:

**T: 8 N·m (0.8 kgf·m, 5.8 ft·lb)**



6) After depressing the clutch pedal, make sure that there are no leaks evident in the entire system.

7) After bleeding air from the system, ensure that clutch operates properly.

##### 2. TURBO MODEL

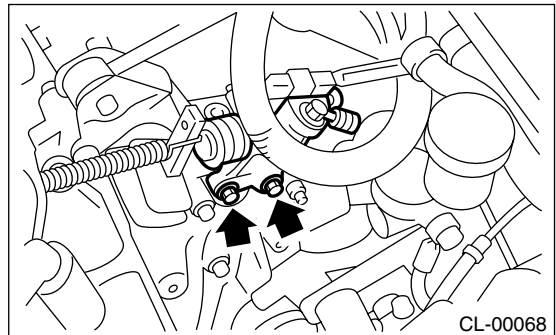
###### NOTE:

Bleed air from the oil line with help of a co-worker.

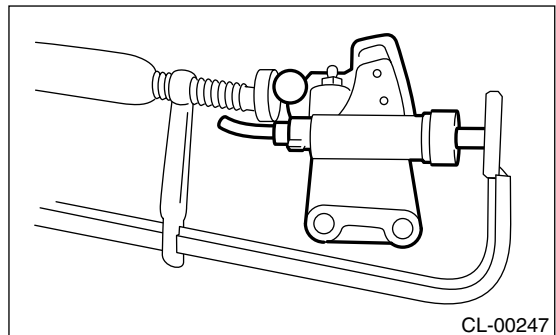
1) Remove the operating cylinder.

###### NOTE:

Do not remove the clutch hose.



2) Fix the piston with clamp to avoid the piston from jumping out.



3) Fit one end of a vinyl tube into the air bleeder of operating cylinder and put the other end into a brake fluid container.

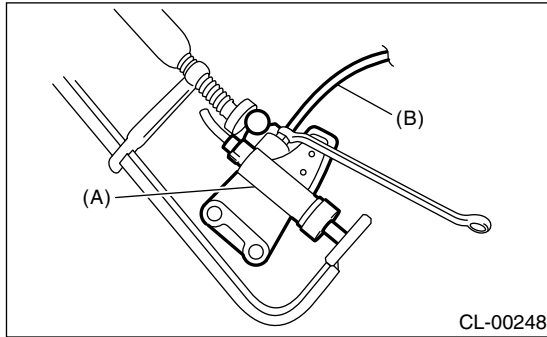
4) Slowly depress the clutch pedal and keep it depressed. Then open the air bleeder to discharge air together with the fluid.

Release the air bleeder for 1 or 2 seconds. Next, with the bleeder closed, slowly release the clutch pedal.

**NOTE:**

Set the air breather screw part higher than tip of operating cylinder when performing this procedure.

10) Install the intercooler. <Ref. to IN(H4DOTC)-10, INSTALLATION, Intercooler.>



(A) Operating cylinder  
(B) Vinyl tube

5) Repeat these steps until there are no more air bubbles in the vinyl tube.

**CAUTION:**

**Cover the bleeder with waste cloth when loosening it, to prevent brake fluid from being splashed over surrounding parts.**

6) Tighten the air bleeder.

**Tightening torque:**

**8 N·m (0.8 kgf-m, 5.8 ft-lb)**

7) Install the operating cylinder.

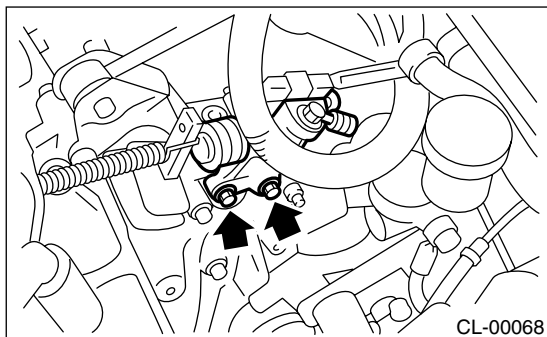
**Tightening torque:**

**5MT model:**

**37 N·m (3.8 kgf-m, 27.5 ft-lb)**

**6MT model:**

**41 N·m (4.2 kgf-m, 30.2 ft-lb)**



8) After depressing the clutch pedal, make sure that there are no leaks evident in the entire system.

9) After bleeding air from the system, ensure that clutch operates properly.