

## 9. Master Cylinder

### A: REMOVAL

#### CAUTION:

**Do not allow brake fluid to come in contact with the painted surface of the vehicle body. If it does, wash off with water and wipe away completely.**

1) Disconnect the ground cable from battery. <Ref. to NT-5, BATTERY, NOTE, Note.>

#### NOTE:

For the 12 volt engine restart battery of HEV model, disconnect the ground terminal from 12V engine restart battery sensor.

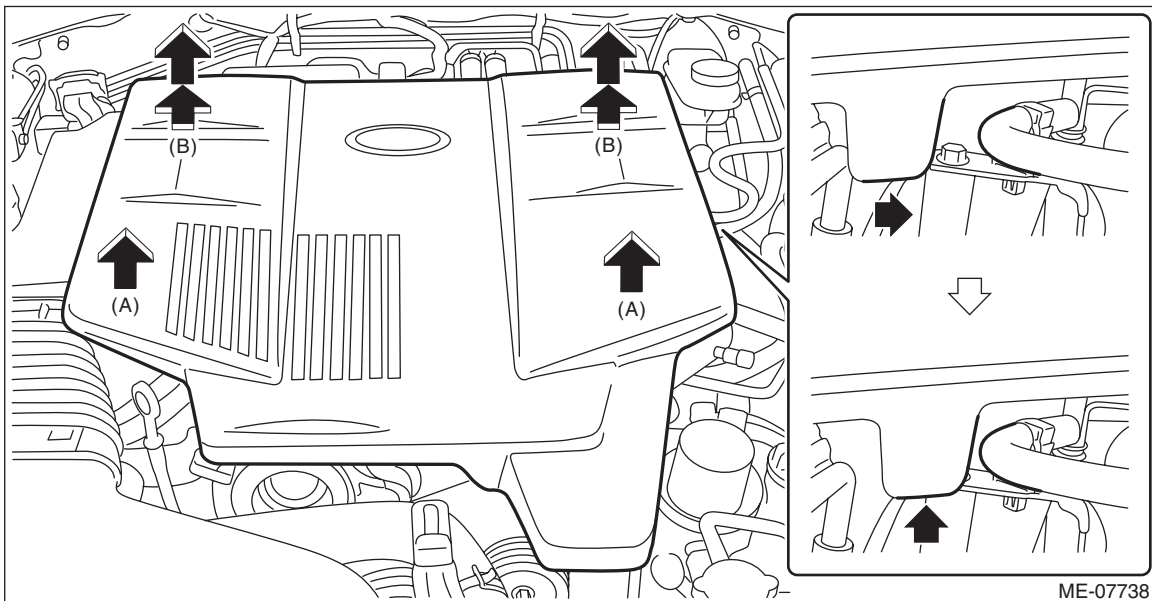
2) Remove the collector cover. (HEV model)

(1) Carefully pull up the front of collector cover at two positions (A).

(2) Carefully pull up the rear of collector cover at two positions (B) while moving it backward.

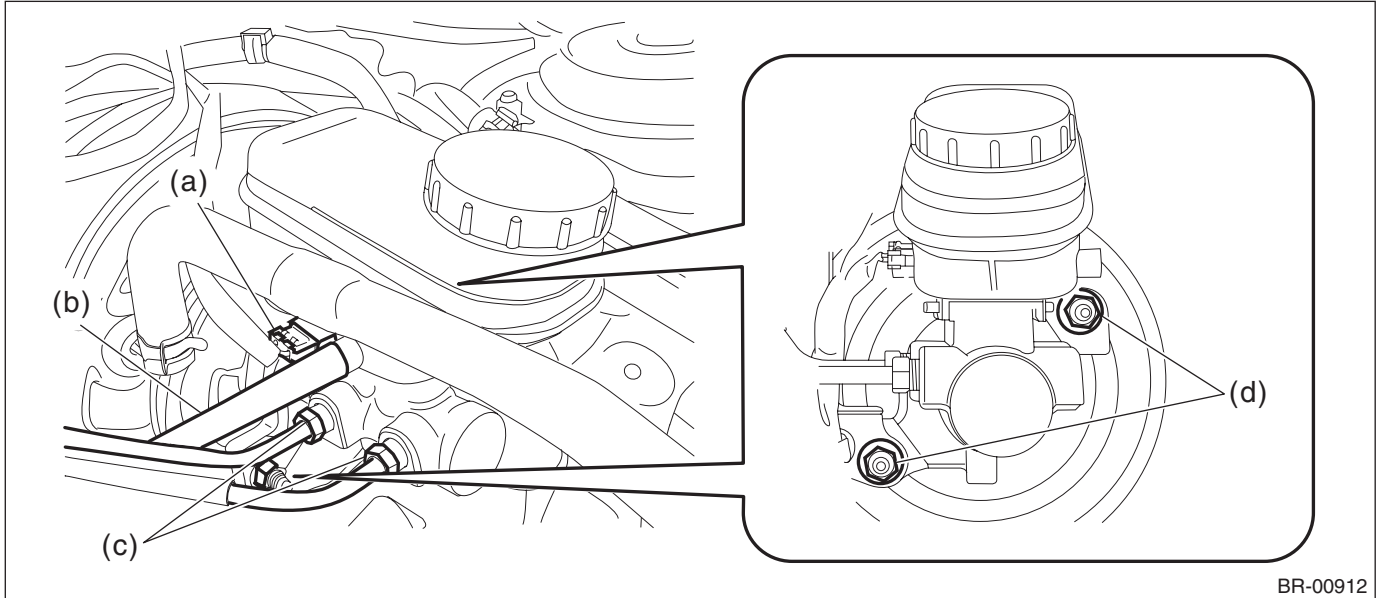
#### NOTE:

Be careful not to contact the fuel delivery tube when moving the collector cover rearward.



3) Drain brake fluid from the reservoir tank completely.

- 4) Remove the master cylinder assembly.
  - (1) Disconnect the fluid level gauge connector (a).
  - (2) Disconnect the clutch hose (b). (MT model)
  - (3) Disconnect the brake pipe (c).
  - (4) Remove the nut (d), and slowly remove the master cylinder assembly from the vacuum booster assembly.

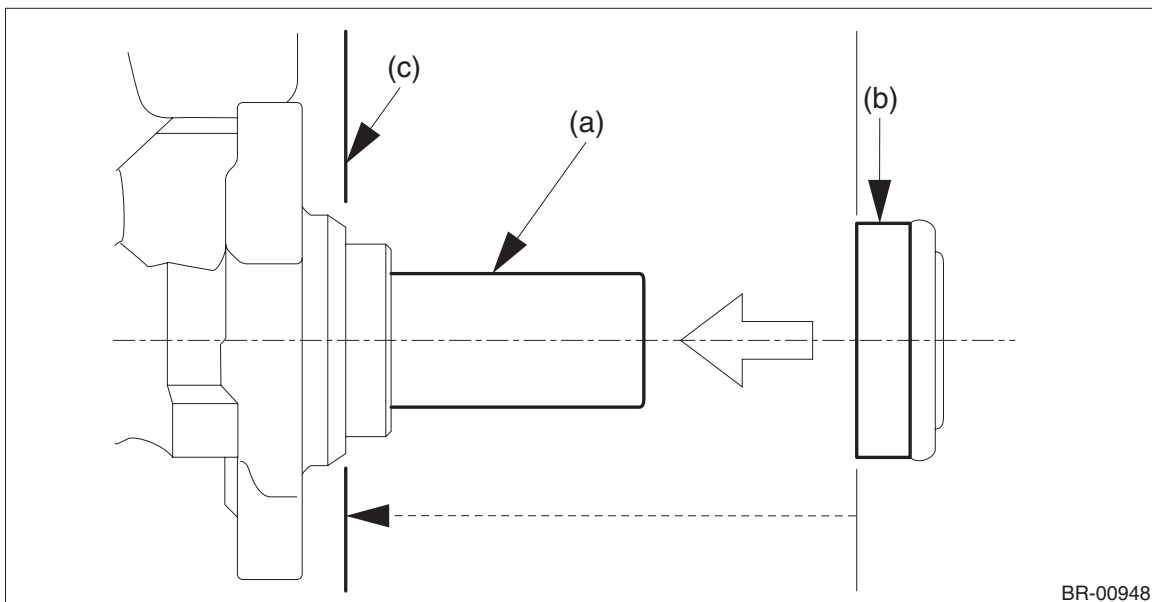


## B: INSTALLATION

- 1) Replace the seal sub assembly for the master cylinder assembly with a new part.

### CAUTION:

**Be careful not to install the seal sub assembly in the wrong location.**



(a) Primary piston

(b) Seal sub ASSY

(c) Install the seal sub assembly to this surface.

# Master Cylinder

## BRAKE

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2) Install each part in the reverse order of removal.

### **Tightening torque:**

**Master cylinder assembly: 13 N·m (1.33 kgf-m, 9.6 ft-lb)**

**Brake pipe flare nut: 19 N·m (1.94 kgf-m, 14.0 ft-lb)**

3) Bleed air from the brake system. <Ref. to BR-62, PROCEDURE, Air Bleeding.>

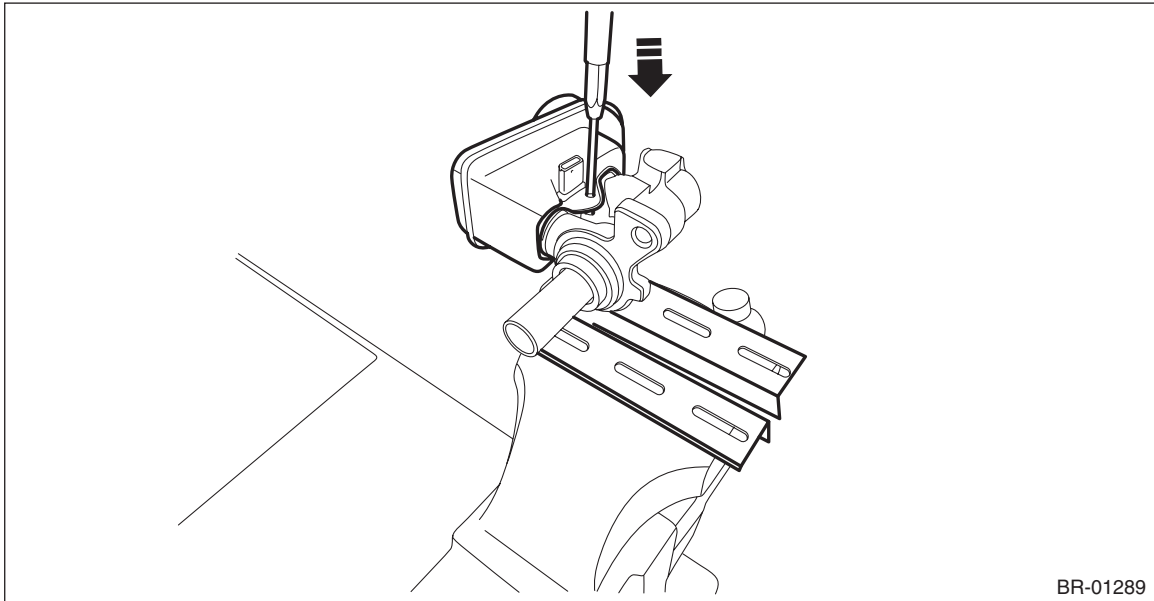
## **C: DISASSEMBLY**

1) Remove the reservoir tank.

### **CAUTION:**

**Be careful not to tighten a vise excessively.**

- (1) Place the master cylinder assembly between aluminum plates and fix it on a vise.
- (2) Drive out the pin using a punch and a hammer to remove the reservoir tank.



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2) Remove the seal from the cylinder body assembly.

## D: ASSEMBLY

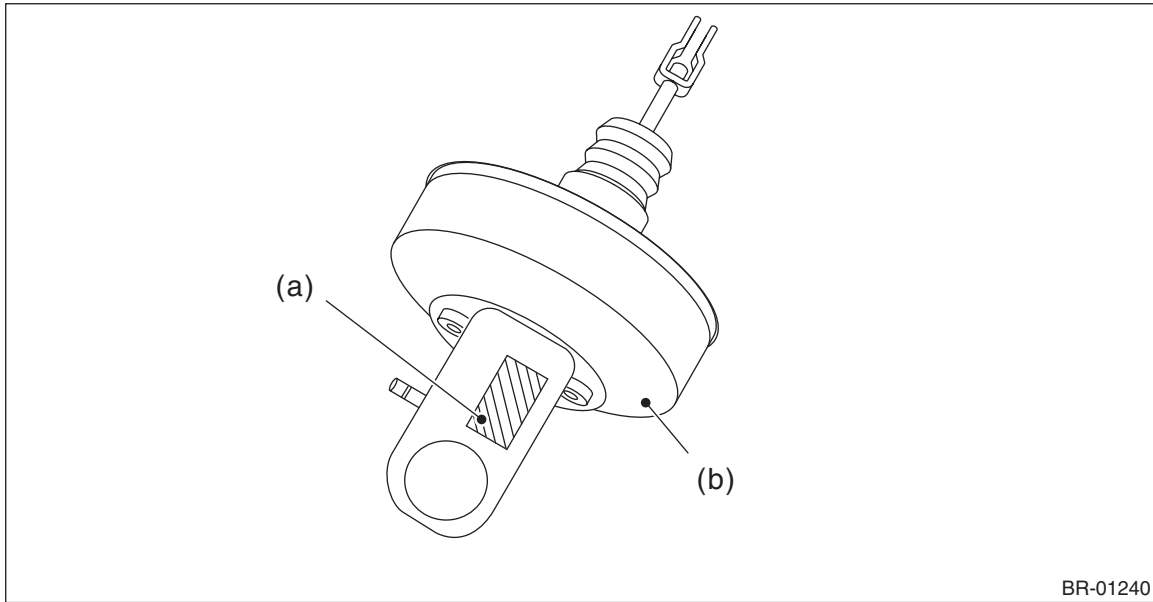
### CAUTION:

When replacing the reservoir tank, adhere the label to the position shown in the figure. (C0 model)

### Label:

*C5 model*

*Part No. 25080GA010*



(a) Label

(b) Brake booster

1) Install the seal to the cylinder body assembly.

2) Install the reservoir tank.

### CAUTION:

**Be careful not to tighten a vise excessively.**

(1) Place the master cylinder assembly between aluminum plates and fix it on a vise.

(2) Drive the pin using a punch and a hammer to install the reservoir tank.