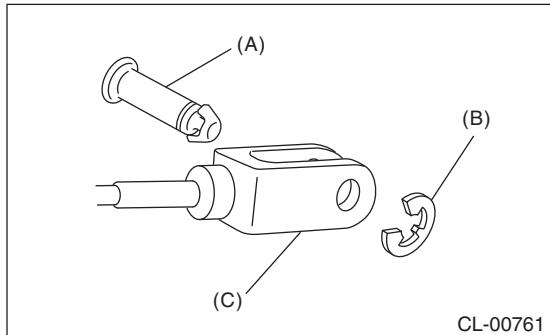


### 6. Master Cylinder

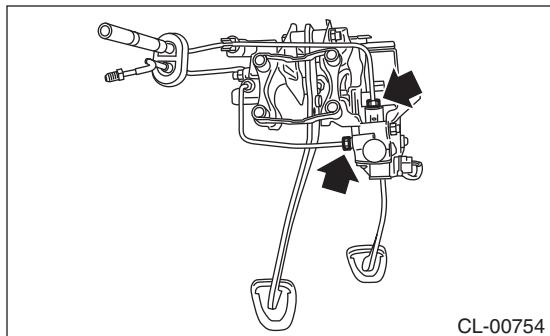
#### A: REMOVAL

- 1) Disconnect the ground cable from battery.
- 2) Remove the collector cover.
- 3) Drain clutch fluid from reservoir tank completely.
- 4) Remove the instrument panel lower cover. <Ref. to EI-63, REMOVAL, Instrument Panel Lower Cover.>
- 5) Remove the pedal assembly. <Ref. to CL-26, REMOVAL, Clutch Pedal.>
- 6) Remove the clip and clevis pin, and then separate the push rod of the master cylinder from clutch pedal.

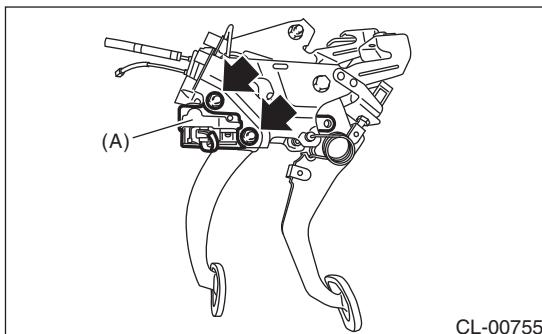


(A) Clevis pin  
(B) Clip  
(C) Push rod

- 7) Disconnect the clutch stroke sensor connector.
- 8) Remove the clutch pipe from the master cylinder.



- 9) Remove the master cylinder from the pedal bracket.



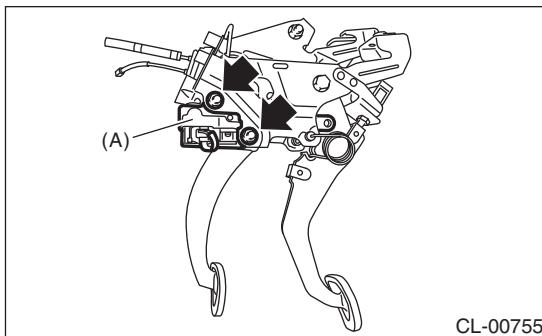
(A) Master cylinder

#### B: INSTALLATION

- 1) Install the master cylinder to the pedal assembly.

##### **Tightening torque:**

**18 N·m (1.8 kgf·m, 13.3 ft·lb)**

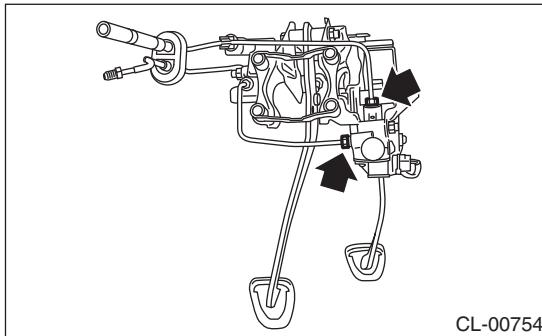


(A) Master cylinder

- 2) Connect the clutch pipes to the master cylinder.

##### **Tightening torque:**

**15 N·m (1.5 kgf·m, 11.1 ft·lb)**



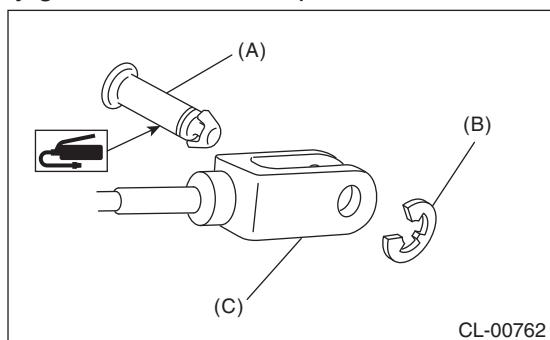
- 3) Connect the clutch stroke sensor connector.
- 4) Connect the push rod of the master cylinder to the clutch pedal, and install the clevis pin and clip.

##### **CAUTION:**

**Always use a new clevis pin.**

### NOTE:

Apply grease to the clevis pin.



- (A) Clevis pin
- (B) Clip
- (C) Push rod

- 5) Install the pedal assembly. <Ref. to CL-26, INSTALLATION, Clutch Pedal.>
- 6) Install the instrument panel lower cover. <Ref. to EI-64, INSTALLATION, Instrument Panel Lower Cover.>
- 7) Connect the ground cable to battery.
- 8) Fill the recommended clutch fluid. <Ref. to CL-24, Clutch Fluid.>
- 9) After bleeding air from the clutch system, ensure that the clutch operates properly. <Ref. to CL-25, Clutch Fluid Air Bleeding.>
- 10) Install the collector cover.
- 11) When the clutch master cylinder assembly has been replaced, perform the clutch sensor calibration mode. <Ref. to PB(diag)-19, CLUTCH SENSOR CALIBRATION MODE, OPERATION, Subaru Select Monitor.>

### NOTE:

If necessary, perform the clutch meet position setting. <Ref. to PB(diag)-19, CLUTCH ENGAGEMENT POSITION SETTING, OPERATION, Subaru Select Monitor.>

## C: INSPECTION

If any damage, deformation, wear, swelling, rust or other faults are found on the master cylinder assembly, reservoir tank, clutch damper, clutch pipe and clutch hose, replace the faulty part.