

## 11. Clutch Switch

### A: REMOVAL

- 1) Disconnect the ground cable from battery.
- 2) Remove the instrument panel lower cover. <Ref. to EI-61, REMOVAL, Instrument Panel Lower Cover.>
- 3) Disconnect the connector from clutch switch.
- 4) Remove the clutch switches.

### B: INSTALLATION

#### 1. CLUTCH SWITCH

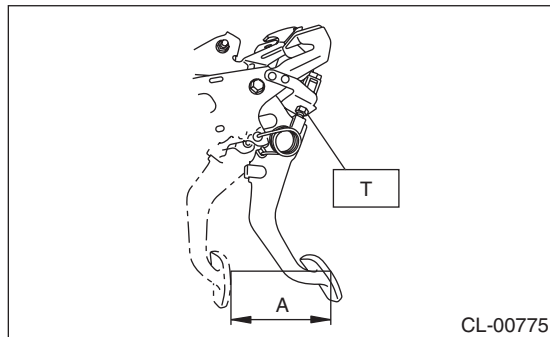
- 1) Move the clevis pin of push rod to left and right, retain it at the position where it moves smoothly, and measure the clutch pedal stroke.

**Clutch pedal full stroke A:**

**130 — 135 mm (5.12 — 5.31 in)**

**Tightening torque:**

**T: 8 N·m (0.8 kgf-m, 5.9 ft-lb)**



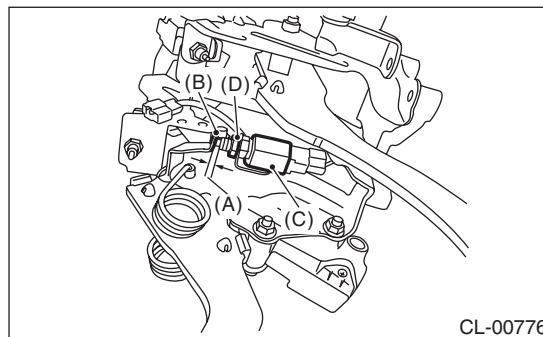
- 2) If the clutch pedal stroke is out of specification, adjust the stroke. <Ref. to CL-27, ADJUSTMENT, Clutch Pedal.>
- 3) Connect the connector to the clutch switch.

#### 2. CLUTCH START SWITCH

- 1) Fully depress the clutch pedal and hold it.
- 2) Install so that gap (A) of the clutch pedal plate and clutch start switch is 2.9 mm (0.11 in), and tighten the lock nut.

**Tightening torque:**

**8 N·m (0.8 kgf-m, 5.9 ft-lb)**



- (A) 2.9 mm (0.11 in)
- (B) Clutch pedal plate
- (C) Clutch start switch
- (D) Lock nut

- 3) Connect the connector to the clutch start switch.
- 4) Make sure that engine does not start with clutch pedal not depressed.
- 5) Make sure that engine starts with clutch pedal fully depressed.

### C: INSPECTION

#### 1. CLUTCH START SWITCH

- 1) Perform the following inspections. If the clutch start switch does not operate normally, adjust the switch, and check it again. <Ref. to CL-31, ADJUSTMENT, Clutch Switch.>
  - Make sure that engine does not start with clutch pedal not depressed.
  - Make sure that engine starts with clutch pedal fully depressed.

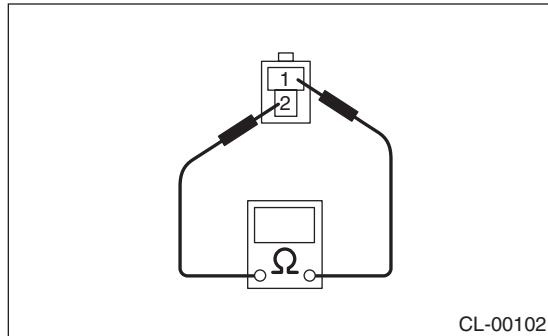
# Clutch Switch

## CLUTCH SYSTEM

2) When the clutch start switch does not operate normally even if it is adjusted, check the clutch start switch for continuity.

- (1) Remove the clutch start switch. <Ref. to CL-29, REMOVAL, Clutch Switch.>
- (2) Measure the resistance between terminal 1 and 2 of the switch. If the resistance is not at the standard value, replace the switch.

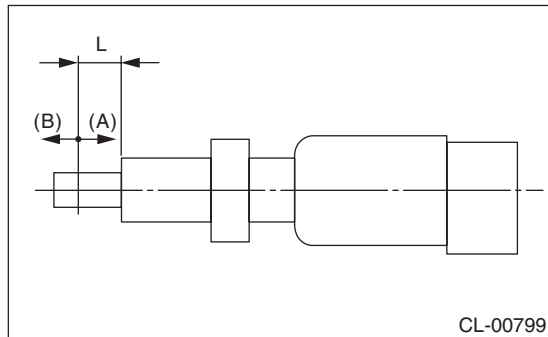
Condition	Terminal No.	Specified resistance
ON	No. 1 — No. 2	Less than 1 $\Omega$
OFF	No. 1 — No. 2	1 M $\Omega$ or more



- (3) Check that the switch is turned on and off in Dimension L.

### Dimension L:

4 — 5.5 mm (0.16 — 0.22 in)



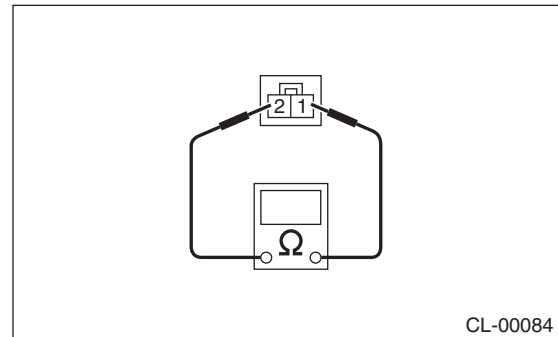
- (A) ON
- (B) OFF

## 2. CLUTCH SWITCH

- 1) Check the clutch switch for continuity.

- (1) Disconnect the connector of clutch switch.
- (2) Measure the resistance between terminal 1 and 2 of the switch. If the resistance is not within the specification, check the clutch stroke and installation condition, and check the clutch switch again.

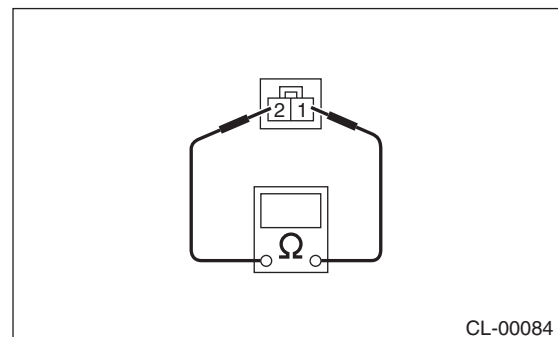
Condition	Terminal No.	Specified resistance
When clutch pedal is depressed	No. 1 — No. 2	1 M $\Omega$ or more
When the clutch pedal is not depressed	No. 1 — No. 2	Less than 1 $\Omega$



- 2) When the clutch switch does not operate normally even if the clutch stroke and installation condition are normal, check the clutch switch for continuity.

- (1) Remove the clutch switches. <Ref. to CL-29, REMOVAL, Clutch Switch.>
- (2) Measure the resistance between terminal 1 and 2 of the switch. If the resistance is not at the standard value, replace the switch.

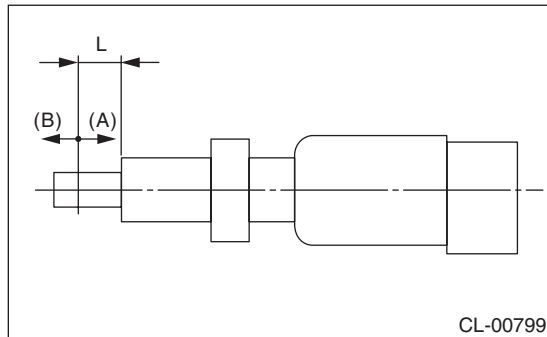
Condition	Terminal No.	Specified resistance
ON	No. 1 — No. 2	Less than 1 $\Omega$
OFF	No. 1 — No. 2	1 M $\Omega$ or more



- (3) Check that the switch is turned on and off in Dimension L.

**Dimension L:**

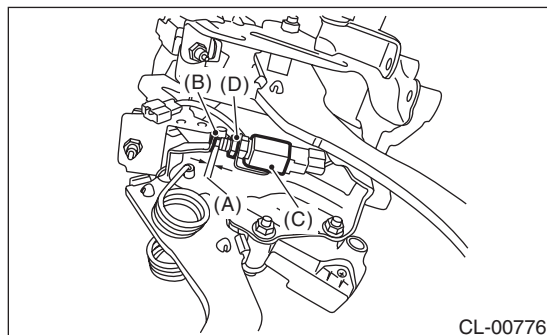
**5 — 6.5 mm (0.2 — 0.26 in)**



- (A) ON
- (B) OFF

## D: ADJUSTMENT

- 1) Loosen the lock nut of the clutch start switch.
- 2) Fully depress the clutch pedal and hold it.
- 3) Adjust the gap (A) of the clutch pedal plate and the clutch start switch to be 2.9 mm (0.11 in).



- (A) 2.9 mm (0.11 in)
- (B) Clutch pedal plate
- (C) Clutch start switch
- (D) Lock nut

- 4) Tighten the lock nut.

**Tightening torque:**

**8 N·m (0.8 kgf-m, 5.9 ft-lb)**