11.Clutch Switch

A: REMOVAL

1) Disconnect the ground cable from battery.
2) Remove the instrument panel lower cover.
3) Disconnect the connector of clutch switch.
4) Remove the clutch switches.

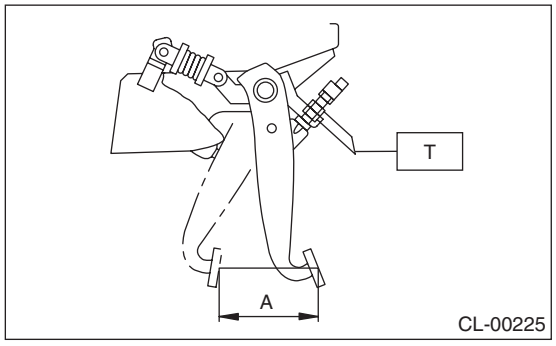
B: INSTALLATION

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)

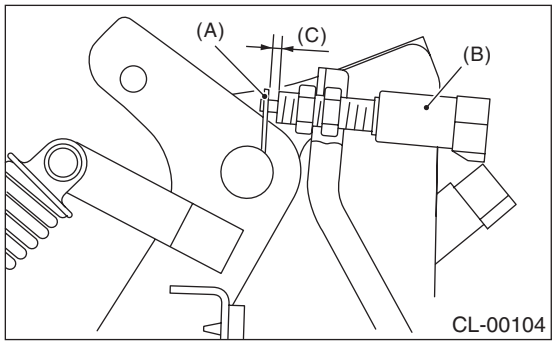


2) If the clutch pedal stroke is out of specification, adjust the stroke. <Ref. to CL-22, ADJUSTMENT, Clutch Pedal.>
3) Connect the clutch switch connector.

2. CLUTCH START SWITCH

1) Fully depress the clutch pedal and hold it.
2) Install the clutch pedal plate and clutch switch so that the gap between them is 3 — 3.5 mm (0.12 — 0.14 in), and then tighten the lock nut.

Tightening torque:
8 N·m (0.8 kgf-m, 5.9 ft-lb)



(A) Plate
(B) Clutch switch
(C) 3 — 3.5 mm (0.12 — 0.14 in)

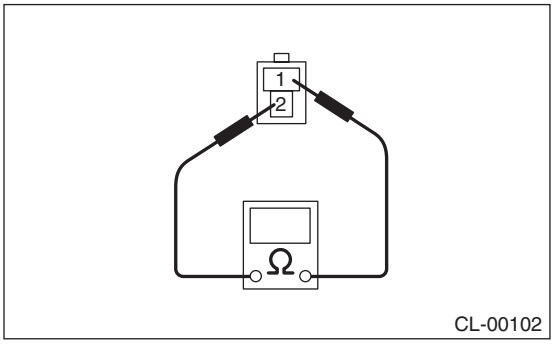
3) Connect the clutch switch connector.
4) Make sure that engine does not start with clutch pedal not depressed.
5) Make sure that engine starts with clutch pedal fully depressed.

C: INSPECTION

1. CLUTCH START SWITCH

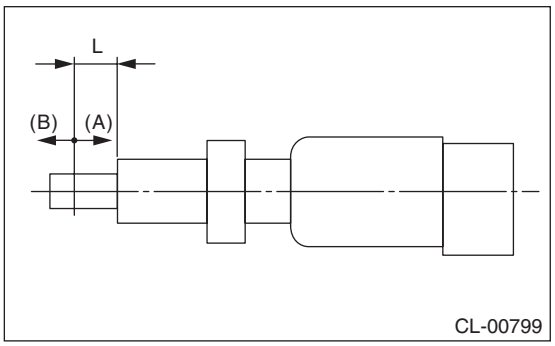
1) Inspect the following items, and if the operation is not normal, adjust the clutch start switch and inspect again. <Ref. to CL-27, ADJUSTMENT, Clutch Switch.>
• Make sure that engine does not start with clutch pedal not depressed.
• Make sure that engine starts with clutch pedal fully depressed.
2) If the operation is not normal even after adjusting the clutch start switch, check the continuity of the clutch start switch.
(1) Remove the clutch start switch. <Ref. to CL-25, 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 Ω
OFF	No. 1 — No. 2	1 MΩ or more



(3) Check that the switch changes between ON/OFF within L dimension.

L dimension:
4 — 5.5 mm (0.16 — 0.22 in)

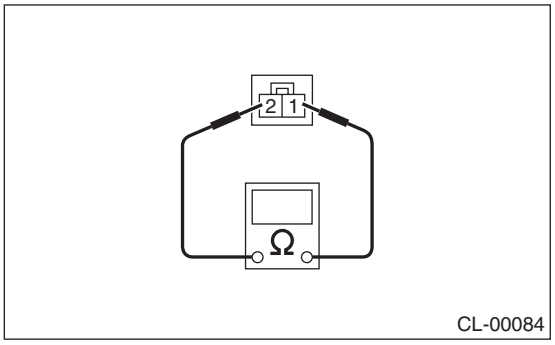


(A) ON
(B) OFF

2. CLUTCH SWITCH

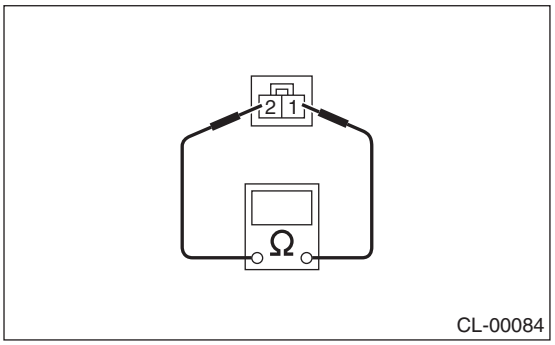
1) Check the clutch switch for continuity.
(1) Disconnect the connector of clutch switch.
(2) Measure the resistance between terminal 1 and 2 of the switch. If the resistance is not within the specification, inspect the clutch stroke and its installing condition, and check again.

Condition	Terminal No.	Specified resistance
When clutch pedal is depressed	No. 1 — No. 2	1 MΩ or more
When the clutch pedal is not depressed	No. 1 — No. 2	Less than 1 Ω



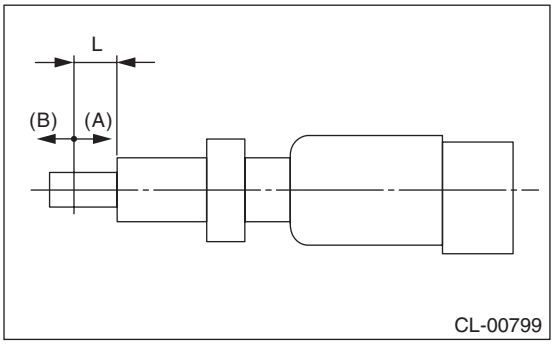
2) If the operation is not normal even when the clutch stroke and its installing condition is normal, check the continuity of the clutch switch.
(1) Remove the clutch switches. <Ref. to CL-25, REMOVAL, Clutch Switch.>
(2) Measure the resistance between terminal 1 and 2 of the switch. If the resistance is not at the standard value, replace the switch.

Condition	Terminal No.	Specified resistance
ON	No. 1 — No. 2	Less than 1 Ω
OFF	No. 1 — No. 2	1 MΩ or more



(3) Check that the switch changes between ON/OFF within L dimension.

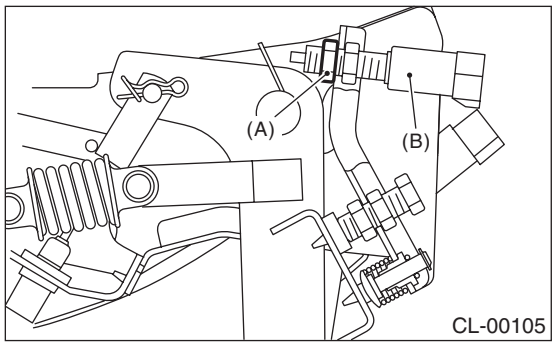
L dimension:
5 — 6.5 mm (0.2 — 0.26 in)



(A) ON
(B) OFF

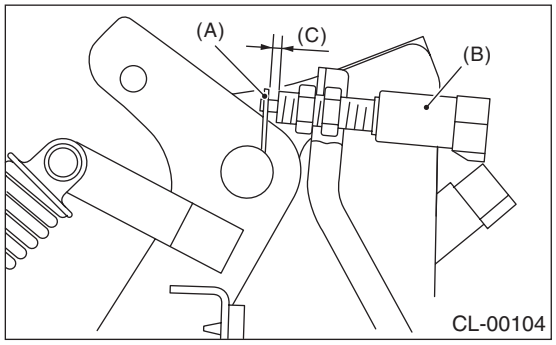
D: ADJUSTMENT

1) Loosen the lock nut of clutch start switch.



(A) Lock nut
(B) Clutch start switch

2) Fully depress the clutch pedal and hold it.
3) Adjust the gap of the clutch pedal plate and the clutch switch to be 3 — 3.5 mm (0.12 — 0.14 in).



(A) Plate
(B) Clutch start switch
(C) 3 — 3.5 mm (0.12 — 0.14 in)

4) Tighten the lock nut.

Tightening torque:
8 N·m (0.8 kgf-m, 5.9 ft-lb)