

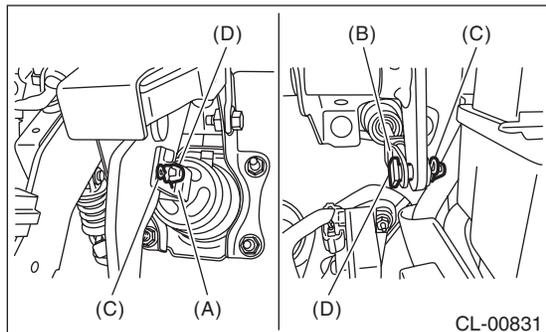
Clutch Pedal

CLUTCH SYSTEM

10. Clutch Pedal

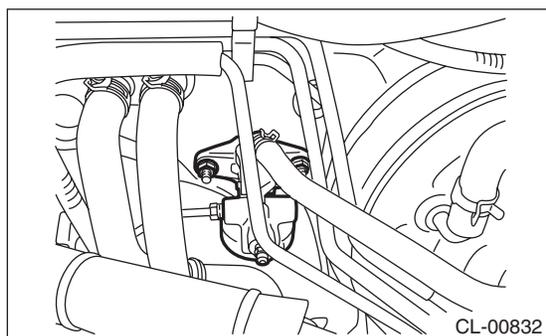
A: REMOVAL

- 1) Disconnect the ground cable from battery.
- 2) Remove the steering column. <Ref. to PS-18, REMOVAL, Steering Column.>
- 3) Disconnect the connector from the stop light switch and clutch switch.
- 4) Remove the snap pins from clevis pins which secure the lever to the push rod and operating rod.
- 5) Pull out the clevis pins which secures the lever to the push rod and operating rod.



- (A) Operating rod
- (B) Push rod
- (C) Snap pin
- (D) Clevis pin

- 6) Remove the air intake boot assembly. <Ref. to IN(H4DO)-12, REMOVAL, Air Intake Boot.>
- 7) Remove the nut which secures the clutch master cylinder.



- 8) Remove the bolts and nuts which secure the brake pedal and clutch pedal, and remove the pedal assembly.

NOTE:

Hold the clutch master cylinder with a wire or a string to avoid the clutch pipe from bending.

B: INSTALLATION

- 1) Install in the reverse order of removal.

Tightening torque:

18 N·m (1.8 kgf-m, 13.3 ft-lb)

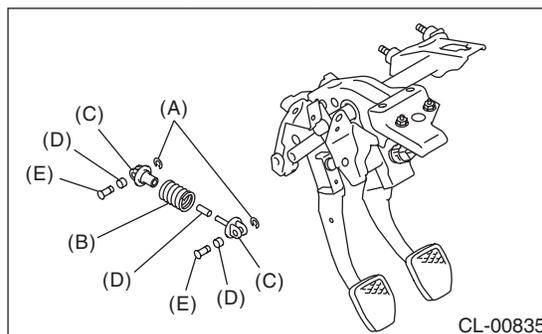
CAUTION:

Always use a new clevis pin.

- 2) Adjust the clutch pedal after installation. <Ref. to CL-23, ADJUSTMENT, Clutch Pedal.>

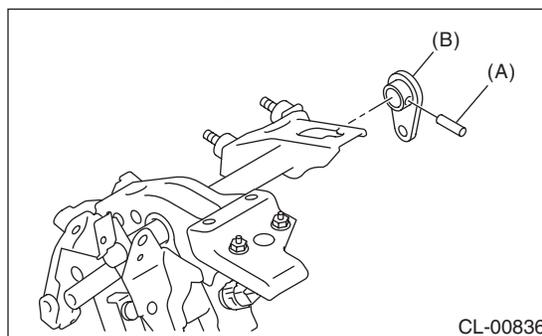
C: DISASSEMBLY

- 1) Remove the clutch switches.
- 2) Remove the clip, assist spring, rod and bushing.



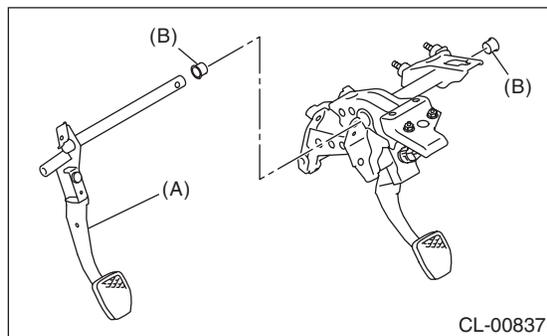
- (A) Clip
- (B) Assist spring
- (C) Assist rod
- (D) Bushing
- (E) Clevis pin

- 3) Remove the spring pin and lever.



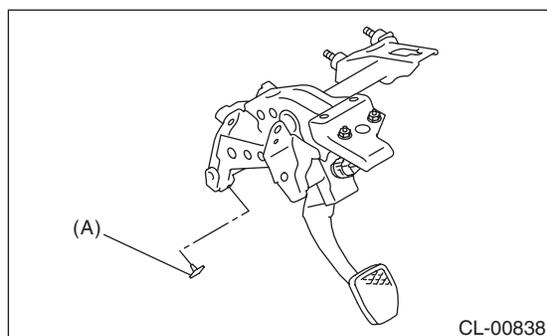
- (A) Spring pin
- (B) Lever

4) Remove the clutch pedal and bushings.



(A) Clutch pedal
(B) Bushing

5) Remove the stopper from the pedal bracket.



(A) Stopper

6) Remove the clutch pedal pad.

D: ASSEMBLY

- 1) Install the stopper and pedal pad to the clutch pedal.
- 2) Install the clutch switch to the pedal bracket.
- 3) Clean the pedal bushing holes of the clutch pedal and the brake pedal, apply grease, and install the pedal bushings.
- 4) Install the clutch pedal, brake pedal and lever to the pedal bracket, and fix with a spring pin.
- 5) Install the assist rod A, assist rod B, assist bushing and assist spring to the clutch pedal and pedal bracket.

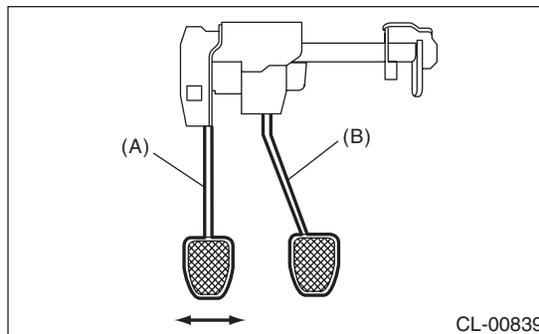
E: INSPECTION

Move the clutch pedal pads in the lateral direction with a force of approximately 10 N (1 kgf, 2 lbf) to check that the clutch pedal deflection is within the service limit. If it exceeds the service limit, replace with new bushings.

Deflection of the clutch pedal:

Service limit

4.0 mm (0.157 in) or less



(A) Clutch pedal
(B) Brake pedal

F: ADJUSTMENT

- 1) Turn the lock nut until the full stroke of clutch pedal becomes within the specification.

CAUTION:

When adjusting the full stroke of clutch pedal, do not turn the clutch switch.

NOTE:

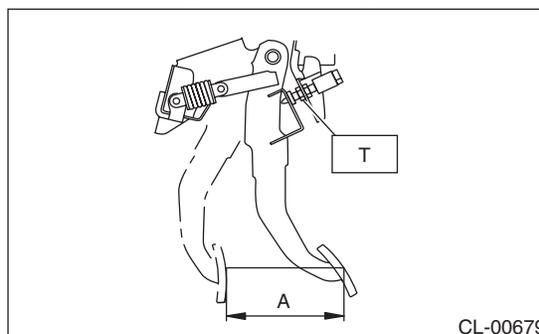
If the lock nut cannot adjust the full stroke of clutch pedal to the specified value, adjust it by turning the master cylinder push rod.

Clutch pedal full stroke A:

130 — 135 mm (5.12 — 5.31 in)

Tightening torque (Clutch switch lock nut):

T: 8 N·m (0.8 kgf·m, 5.9 ft·lb)



- 2) If the full stroke is not within the specified value, loosen the clutch switch lock nut to adjust.

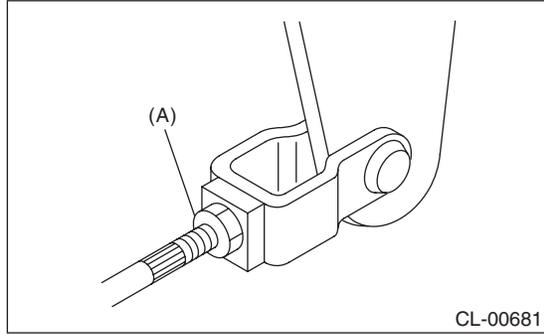
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Clutch Pedal

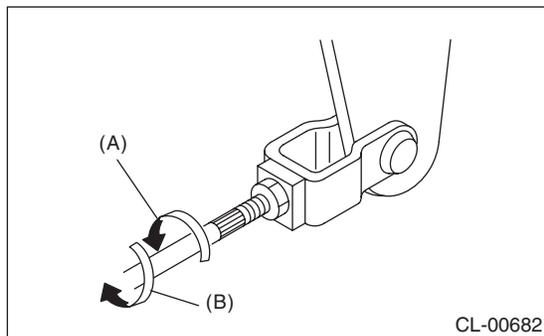
CLUTCH SYSTEM

3) Loosen the push rod lock nuts.



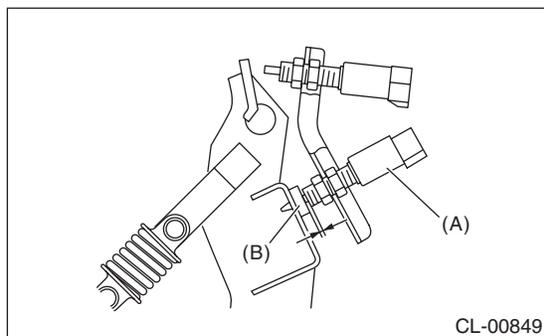
(A) Push rod lock nut

4) Make sure that the clutch pedal contacts the clutch pedal bracket stopper when the clutch pedal is at the maximum stroke position.



(A) In the longer direction
(B) In the shorter direction

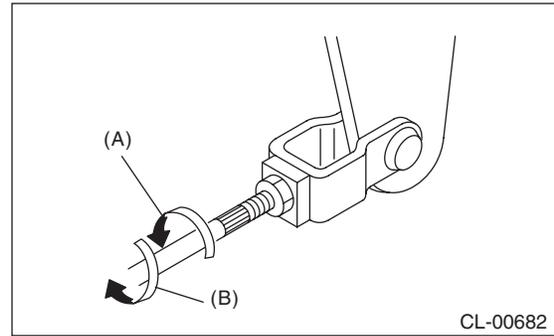
5) Make sure that the clutch pedal contacts the clutch switch side when the pedal is released.
6) Turn the push rod to shorten until a clearance is gained on the clutch switch side.



(A) Clutch switch
(B) Stopper

7) Turn the push rod to lengthen until clutch pedal contacts the clutch switch.

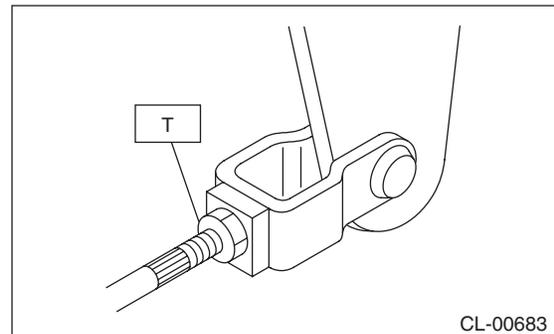
8) Turn further in the direction that will shorten the push rod by 270°.



(A) In the longer direction
(B) In the shorter direction

9) Check that the clevis pin moves smoothly by moving it in the left and right directions.
10) Tighten the push rod lock nut.

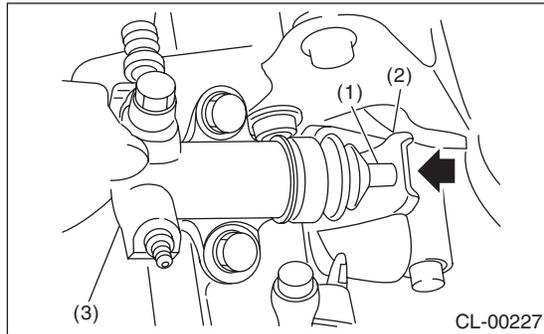
Tightening torque (Push rod lock nut):
T: 10 N·m (1.0 kgf-m, 7.4 ft-lb)



11) Depress and release the clutch pedal two or three times to ensure that the clutch pedal and release lever operate smoothly. If the clutch pedal and release lever do not operate smoothly, bleed air from the clutch hydraulic system. <Ref. to CL-21, Clutch Fluid Air Bleeding.>
12) Measure the clutch pedal full stroke length again to ensure that it is within specifications. If it is not within specifications, repeat adjustment procedures again from the beginning.

Clutch pedal full stroke:
130 — 135 mm (5.12 — 5.31 in)

13) Push the release lever until the operating cylinder push rod retracts. Check that the clutch fluid level in the reservoir tank increases.



- (1) Push rod
- (2) Release lever
- (3) Operating cylinder

14) If the clutch fluid level increases, hydraulic clutch play is correct.

15) If the clutch fluid level does not increase or push rod does not retract, readjust the clutch pedal.

16) Check the fluid level using the scale on the reservoir tank. <Ref. to CL-20, INSPECTION, Clutch Fluid.>