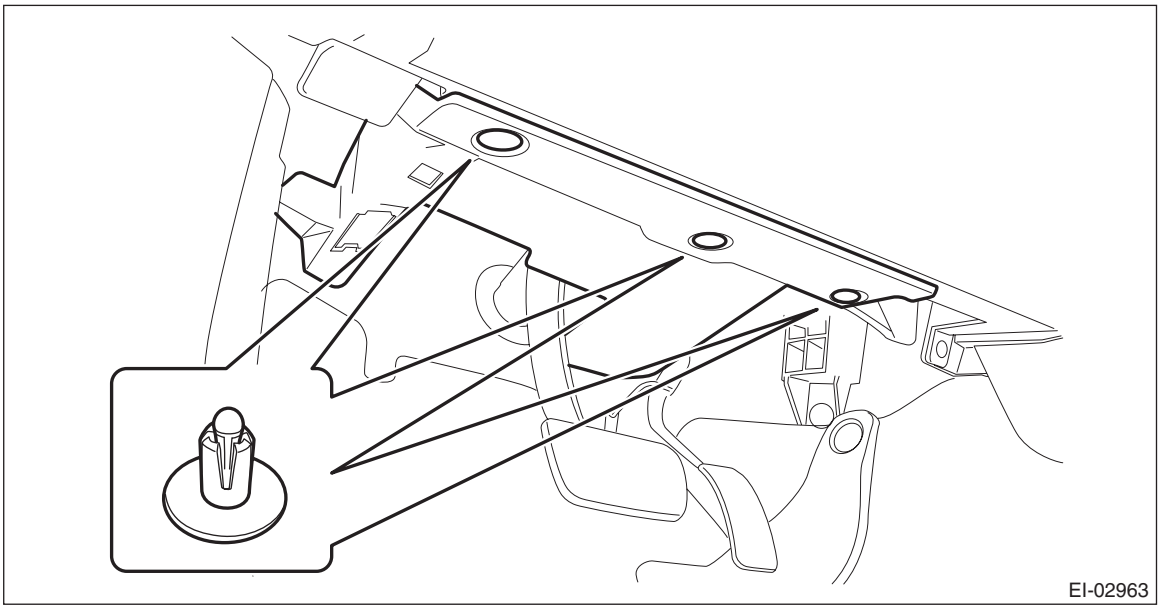
14.Brake Pedal

A: REMOVAL

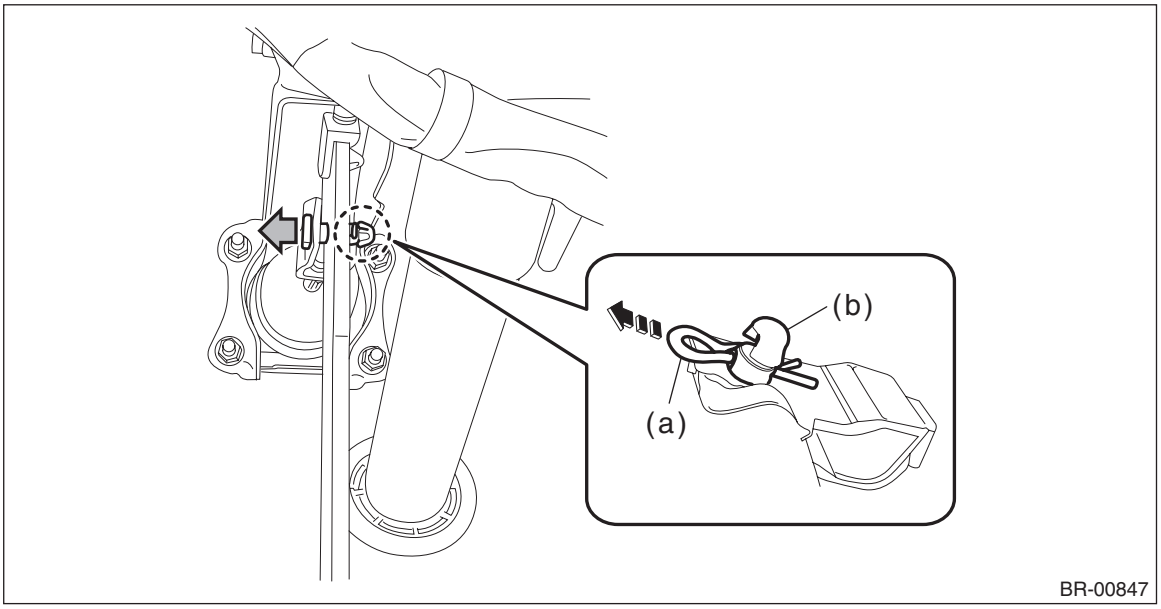
1. AT MODELS AND CVT MODELS

1) Disconnect the ground cable from battery.
2) Remove the clips and data link connector, and remove the instrument panel lower cover under.

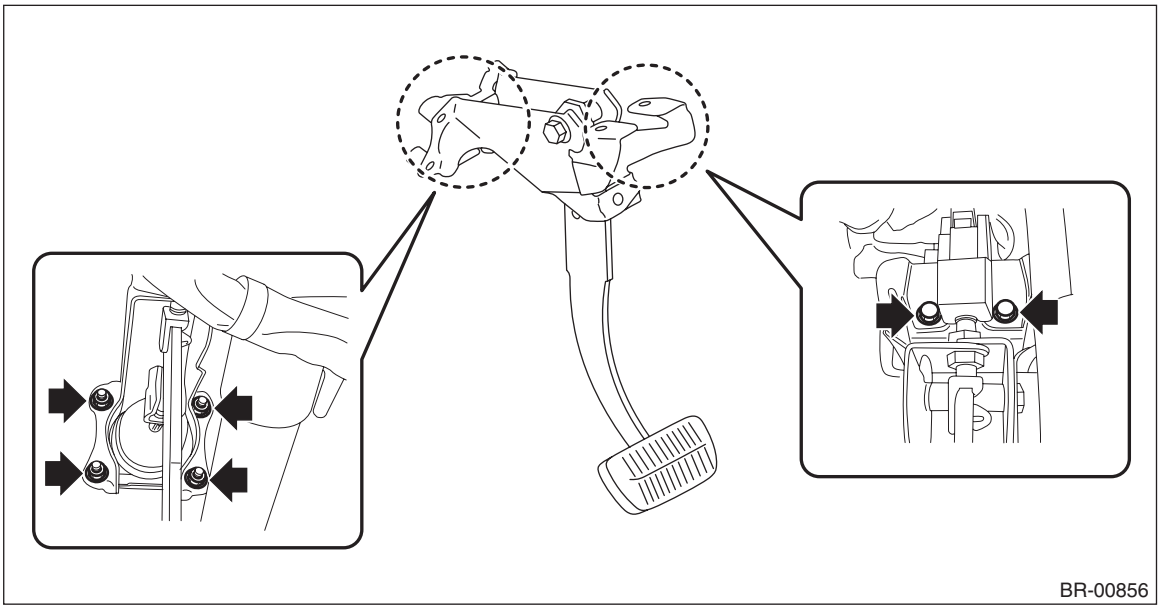


3) Remove the brake pedal assembly.
   (1) Disconnect the stop light switch connector.
   (2) Remove the snap pin (a) and clevis pin (b), and remove the operating rod from the brake pedal.

NOTE:
• Use special care when handling the operating rod. If excessive force is applied to the operating rod, the angle may change by ±3°, and it may result in damage to power piston cylinder.
• Do not change the push rod length.



(3) Remove the bolt and nut, and then detach the brake pedal assembly.



2. MT MODEL

NOTE:
Brake pedal is integrated with the clutch pedal.
For removal procedures of the brake pedal, refer to Clutch section. <Ref. to CL-26, REMOVAL, Clutch Pedal.>

B: INSTALLATION

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

CAUTION:
- **Apply grease to the snap pin to prevent the operating rod from wear.**
- **Replace the clevis pin with new parts, and apply thin coat of NIGTIGHT LYW No. 2 grease to the clevis pin.**

Tightening torque:
Brake pedal: 18 N·m (1.84 kgf-m, 13.3 ft-lb)

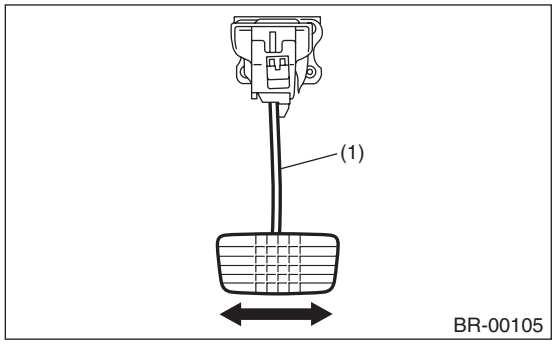
2) Check that the brake light operate properly.
3) Check the brake pedal after installation. <Ref. to BR-58, INSPECTION, Brake Pedal.>

C: INSPECTION

1) Move the brake pedal pads in a horizontal direction with a force of approx. 10 N (1 kgf, 2 lbf), and check that the pedal deflection is in the range of specifications.

CAUTION:
If excessive deflection is noted, replace with a new bushing.

Deflection of brake pedal:
Wear limit: 5.0 mm (0.197 in) or less

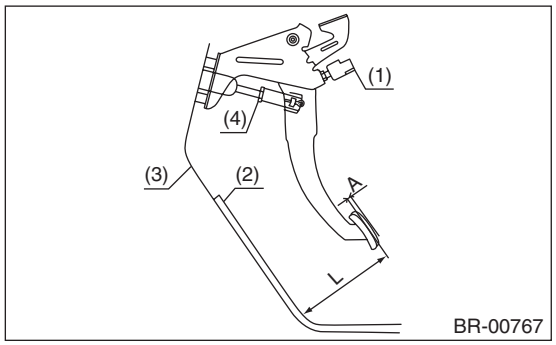


(1) Brake pedal

2) Check the position of the pedal pad.

Pedal height L:
140 — 150 mm (5.51 — 5.91 in)

Brake pedal free play A:
2 — 5 mm (0.079 — 0.197 in) [When pulling the brake pedal upward with a force of less than 10 N (1 kgf, 2 lbf).]



(1) Stop light switch
(2) Mat
(3) Toe board
(4) Brake booster operating rod

3) If it is not within the specification, loosen the lock nuts of brake booster operating rod, and rotate the rod to adjust the pedal height L within the specification.
4) Tighten the lock nut.

Tightening torque:
Operating lock nut: 22 N·m (2.24 kgf-m, 16.2 ft-lb)