

15.Brake Pedal

A: REMOVAL

1. CVT MODEL

1) Disconnect the ground cable from battery. <Ref. to NT-5, BATTERY, NOTE, Note.>

NOTE:

For the 12 volt engine restart battery of HEV model, disconnect the ground terminal from 12V engine restart battery sensor.

2) Remove the column assembly - steering. <Ref. to PS-19, REMOVAL, Steering Column.>

3) Remove the brake pedal assembly.

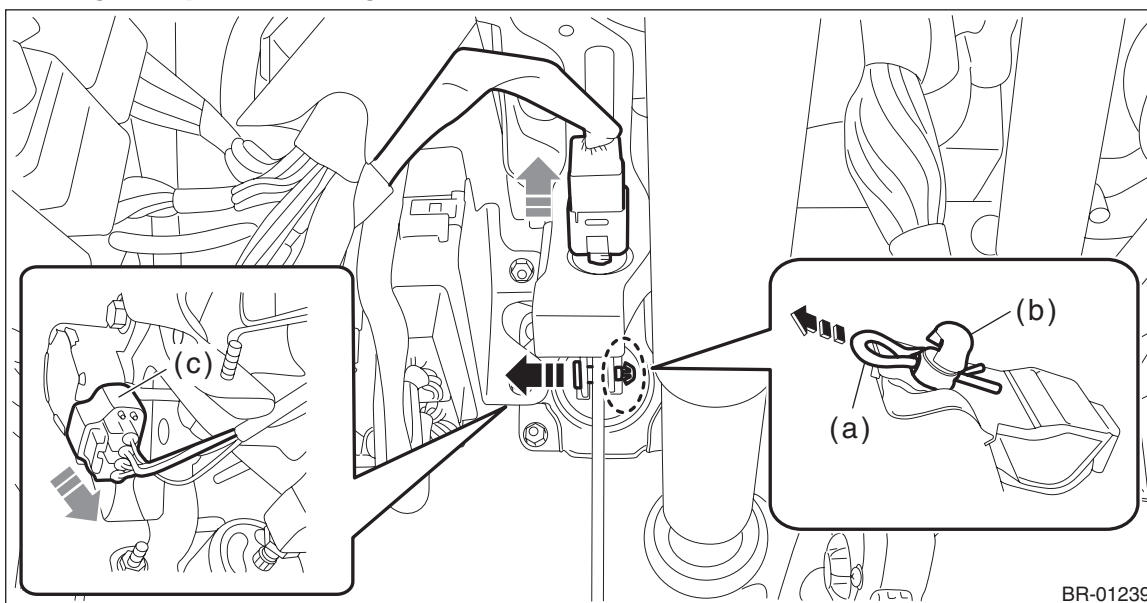
(1) Disconnect the switch - stop light connector.

(2) Disconnect the brake stroke sensor connector (c). (HEV model)

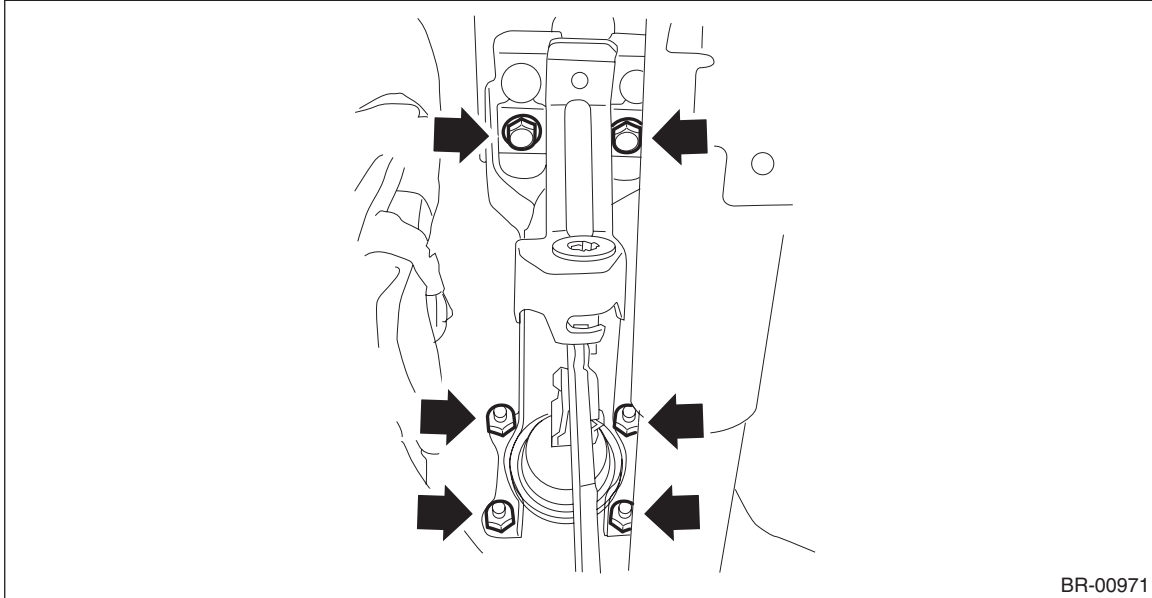
(3) Remove the snap pin (a) and clevis pin (b), and remove the operating rod from the brake pedal.

CAUTION:

- Be careful not to apply excessive force to the operating rod when handling the operating rod. The angle may change by $\pm 3^\circ$, and it may result in damage to power piston cylinder.
- Do not change the push rod length.



- (4) 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-24, 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)

Knee airbag module: 7.5 N·m (0.76 kgf-m, 5.5 ft-lb)

- 2) Check that the brake light operate properly.

- 3) Check the brake pedal after installation. <Ref. to BR-72, INSPECTION, Brake Pedal.>

Brake Pedal

BRAKE

C: INSPECTION

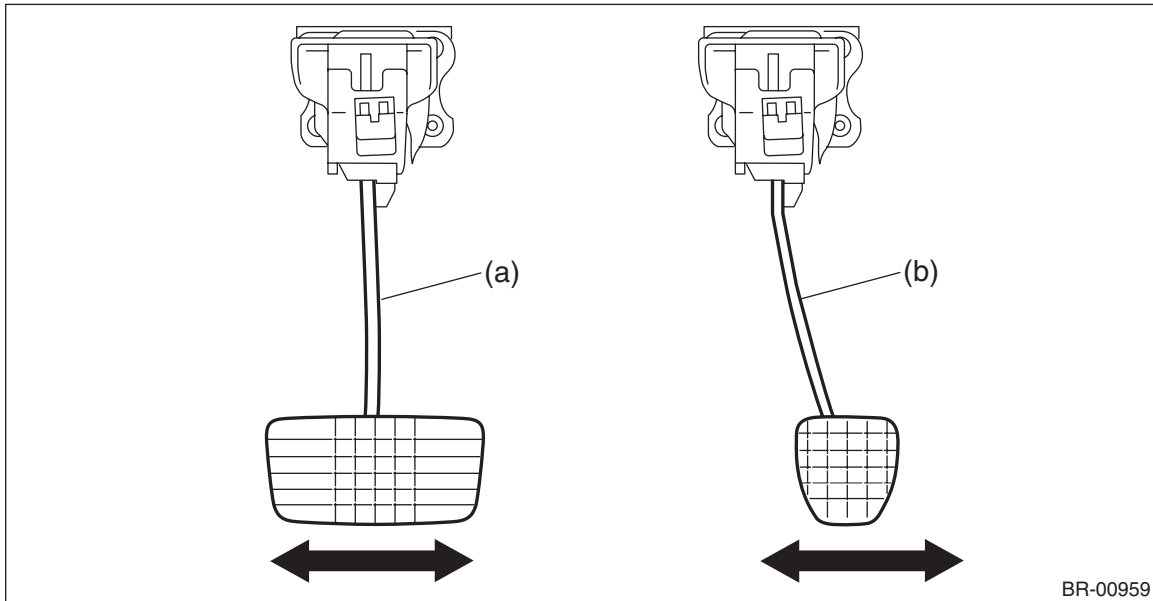
1) Move the pad - brake pedal in a horizontal direction with a force of approx. 10 N (1 kgf, 2 lbf), and check that the pedal deflection is in the range of specifications.

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



(a) Brake pedal (except for MT model) (b) Brake pedal (MT model)

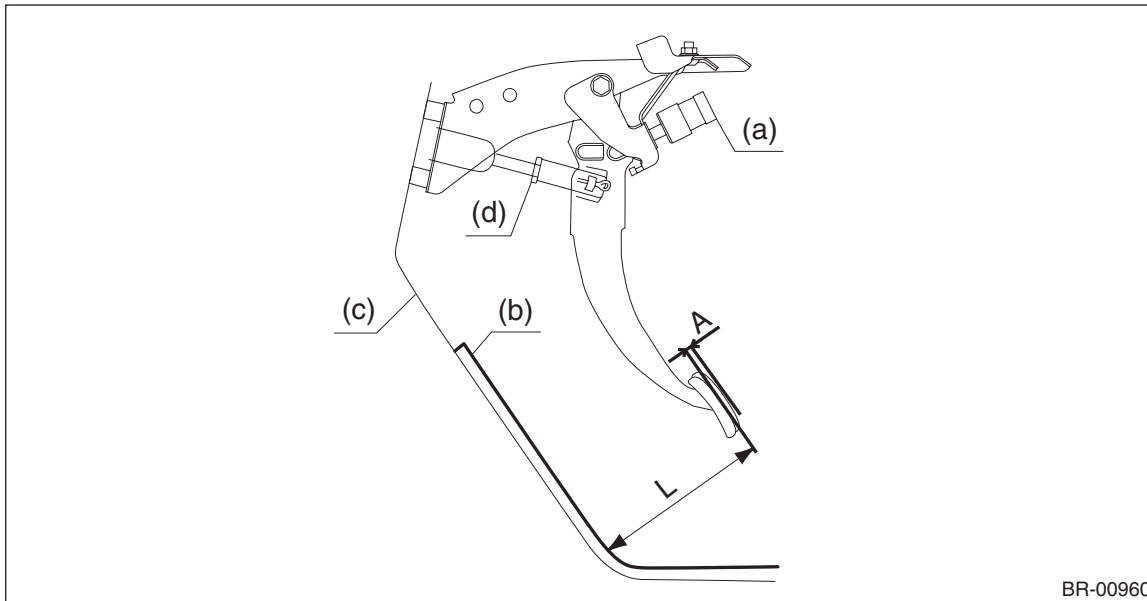
2) Check the position of the pedal pad.

Pedal height L:

140 — 150 mm (5.51 — 5.91 in)

Brake pedal free play A:

0.5 — 2.7 mm (0.02 — 0.11 in) [When pulling the brake pedal upward with a force of less than 10 N (1 kgf, 2 lbf).]



BR-00960

(a) Switch - stop light

(c) Toe board

(d) Brake booster operating rod

(b) Mat

3) If it is not within the specification, loosen the lock nuts of vacuum 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)

NOTE:

Check the brake pedal height. When adjusting, also adjust the switch - stop light.