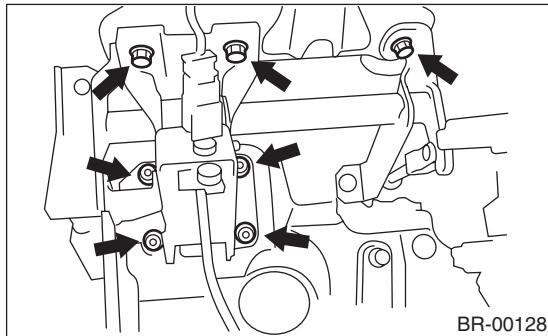


18. Brake Pedal

A: REMOVAL

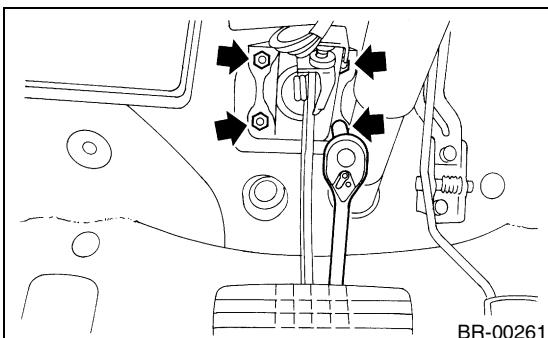
1. MT MODEL

- 1) Remove the steering bolts.
- 2) Raise the vehicle on hoist and remove the two bolts which secure steering unit to underside of body.
- 3) Lower the vehicle to floor.
- 4) Remove the instrument panel lower cover from instrument panel.
- 5) Disconnect the following parts from pedal bracket.
 - Operating rod of brake booster
 - Electrical connectors (for stop light switch, etc.)
- 6) Remove the clevis pin which secures lever to push rod.
- 7) Remove the nut which secures clutch master cylinder.
- 8) Remove the steering assembly.
- 9) Remove the accelerator pedal.
- 10) Remove the bolts and nuts which secure pedal bracket.



2. AT MODEL

- 1) Disconnect the ground cable from battery.
- 2) Remove the instrument panel lower cover from instrument panel.
- 3) Remove the clevis pin which secures brake pedal to brake booster operating rod. Also disconnect the stop light switch connector.
- 4) Remove the two bolts and four nuts which secure brake pedal to pedal.



B: INSTALLATION

- 1) Install in the reverse order of removal.

CAUTION:

- If the cable clamp is damaged, replace it with a new one.
- Never fail to cover the outer cable end with boot.
- Be careful not to kink the accelerator cable.
- Always use new clevis pins.

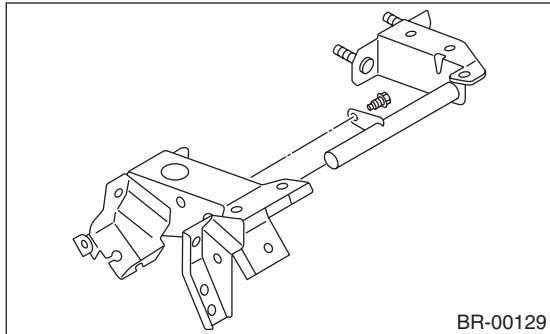
- 2) Adjust the clutch pedal <Ref. to CL-27, ADJUSTMENT, Clutch Pedal.>

- 3) Inspect after pedal installation <Ref. to BR-51, INSPECTION, Brake Pedal.>

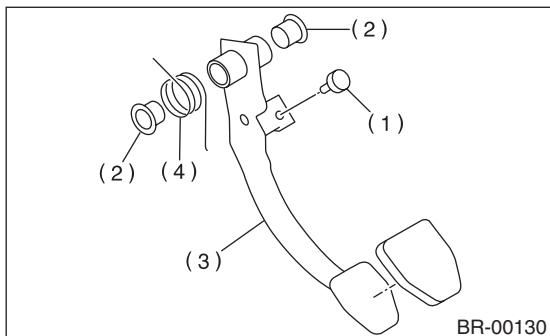
C: DISASSEMBLY

1. MT MODEL

- 1) Remove the brake switch.
<Ref. to BR-53, REMOVAL, Stop Light Switch.>
- 2) Remove the clutch pedal.
<Ref. to CL-26, DISASSEMBLY, Clutch Pedal.>
- 3) Remove the clutch master cylinder bracket.



- 4) Remove the bushing, spring and stopper.

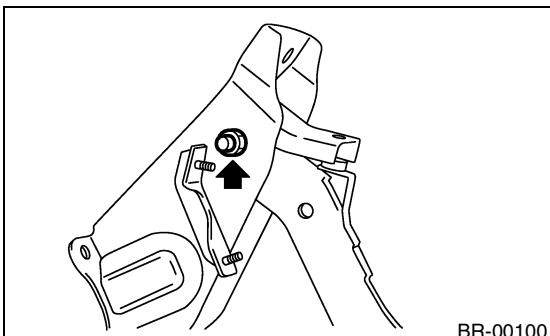


- (1) Stopper
- (2) Bushing
- (3) Brake pedal
- (4) Brake pedal spring

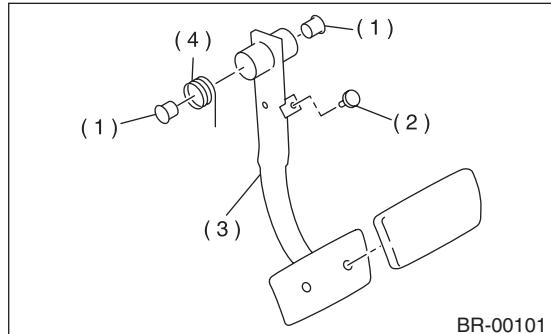
- 5) Remove the brake pedal pad.

2. AT MODEL

- 1) Remove the brake switch.
- 2) Unbolt, and then remove the brake pedal.



- 3) Remove the bushing, spacer and spring.



- (1) Plug
- (2) Stopper
- (3) Brake pedal
- (4) Brake pedal spring

- 4) Remove the brake pedal pad.

D: ASSEMBLY

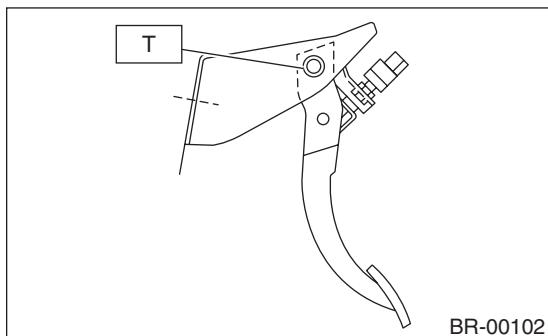
- 1) Attach the stop light switch, etc. to pedal bracket temporarily.
- 2) Clean the inside of bores of clutch pedal and brake pedal, apply grease, and set bushings into bores.
- 3) Align bores of pedal bracket, clutch pedal and brake pedal, attach brake pedal return spring and clutch pedal effort reducing spring (vehicle with hill holder), and then install the pedal bolt.

NOTE:

Clean up inside of bushings and apply grease before installing the spacer.

Tightening torque:

T: 29 N·m (3.0 kgf-m, 21.7 ft-lb)



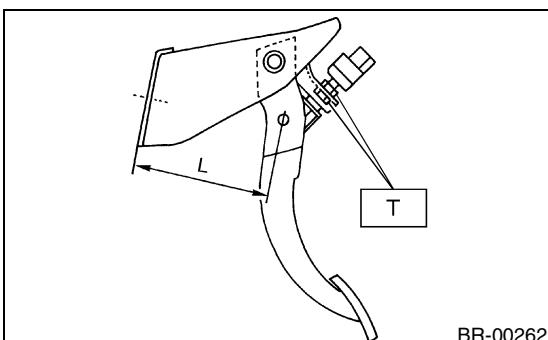
- 4) Set the brake pedal position by adjusting the position of stop light switch.

Pedal position: L

125.9 mm (4.96 in)

Tightening torque:

T: 8 N·m (0.8 kgf-m, 5.8 ft-lb)

**E: INSPECTION**

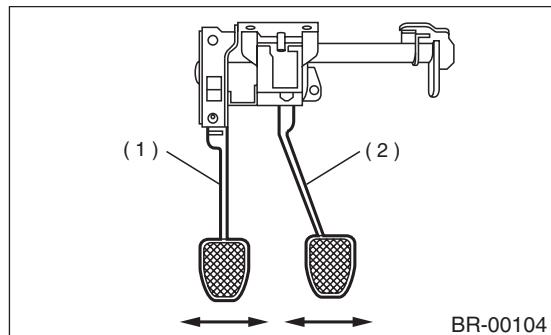
- 1) Move the brake and clutch pedal pads in the lateral direction with a force of approx. 10 N (1 kgf, 2 lb) to ensure pedal deflection is in specified range.

CAUTION:

If excessive deflection is noted, replace the bushings with new ones.

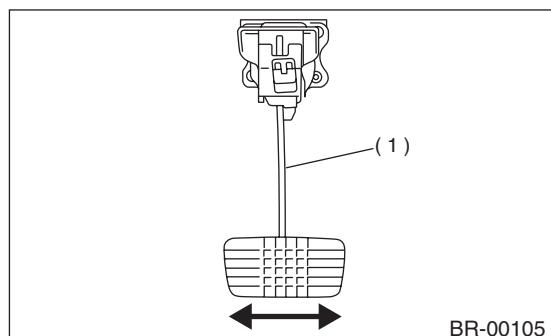
Deflection of brake and clutch pedal:**Service limit**

5.0 mm (0.197 in) or less



(1) Clutch pedal

(2) Brake pedal



(1) Brake pedal

BRAKE PEDAL

BRAKE

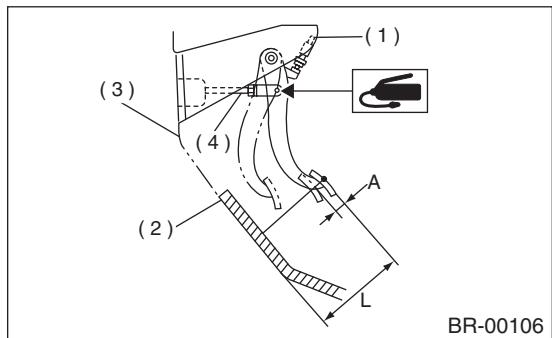
2) Check the position of pedal pad.

Pedal height: L

148 mm (5.83 in)

Brake pedal free play: A

1 — 3 mm (0.04 — 0.12 in) [Depress brake pedal pad with a force of less than 10 N (1 kgf, 2 lb).]



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

3) If it is not within specified value, adjust it by adjusting the brake booster operating rod length.