

BRAKE PEDAL ON-VEHICLE INSPECTION

BR1AA-01

1. CHECK PEDAL HEIGHT

Pedal height from asphalt sheet:
150.4 – 160.4 mm (5.921 – 6.315 in.)

If the pedal height is incorrect, adjust it.

2. IF NECESSARY, ADJUST PEDAL HEIGHT

- Disconnect the connector from the stop light switch.
 - Loosen the stop light switch lock nut and remove the stop light switch.
 - Loosen the push rod lock nut.
 - Adjust the pedal height by turning the pedal push rod.
 - Tighten the push rod lock nut.
- Torque: 25 N·m (260 kgf-cm, 19 ft-lbf)**
- Install the stop light switch and turn it until it slightly contacts the pedal stopper.
 - Turn the stop light switch back one turn.

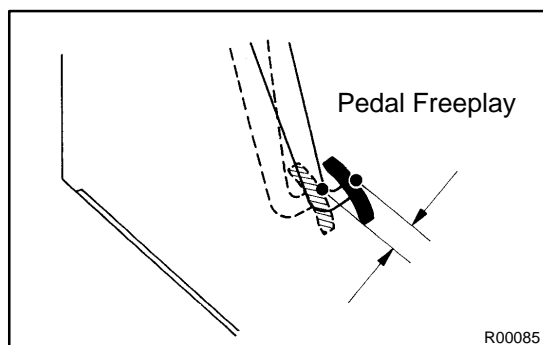
- Check the clearance (A) between stop light switch and pedal.

Clearance: 0.5–2.4 mm (0.020–0.094 in.)

- Tighten the stop light switch lock nut.
- Connect the connector to the stop light switch.
- Check the stop lights come on when the brake pedal is depressed, and go off when the brake pedal is released.
- After adjusting the pedal height, check the pedal freeplay.

HINT:

If clearance (A) between the stop light switch and the brake pedal stopper has been adjusted correctly, the pedal freeplay will meet the specifications.



3. CHECK PEDAL FREEPLAY

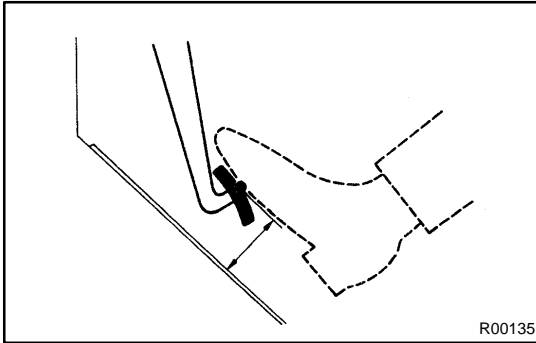
- Stop engine and depress brake pedal several times until there is no more vacuum left in the booster.
- Push in the pedal by hand until the second point of resistance begins to be felt, then measure the distance, as shown.

Pedal freeplay: 1 – 6 mm (0.04 – 0.24 in.)

If incorrect, check the stop light switch clearance. If the clearance is OK, then troubleshoot the brake system.

HINT:

The freeplay to the first point of resistance is due to the play between the clevis and pin. It is 1–3 mm (0.04–0.12 in.) on the pedal.

**4. CHECK PEDAL RESERVE DISTANCE**

Release the parking brake.

With the engine running, depress the pedal and measure the pedal reserve distance, as shown.

Pedal reserve distance from asphalt sheet at 490 N (50 Kgf, 110.2 lbf): More than 89 mm (3.50 in.)

If the reserve distance is incorrect, troubleshoot the brake system.