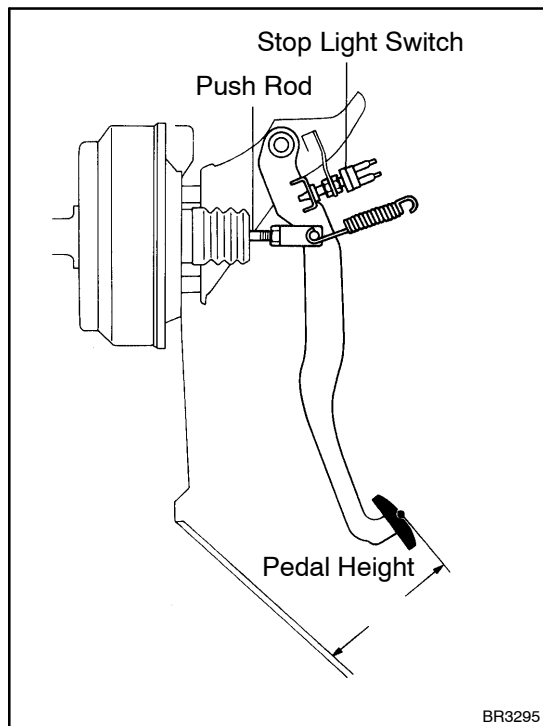




BRAKE PEDAL ON-VEHICLE INSPECTION

BR1CF-03

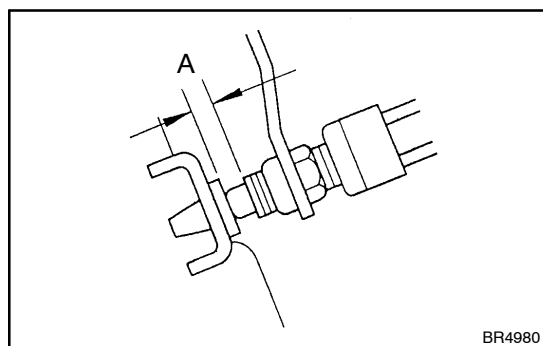
1. CHECK PEDAL HEIGHT

Pedal height from dash panel:

167.5 – 177.5 mm (6.59 – 6.99 in.)

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 lightly contacts the pedal stopper.
 - Turn the stop light switch back one turn.
 - Check the clearance (A) between the stop light switch and pedal.

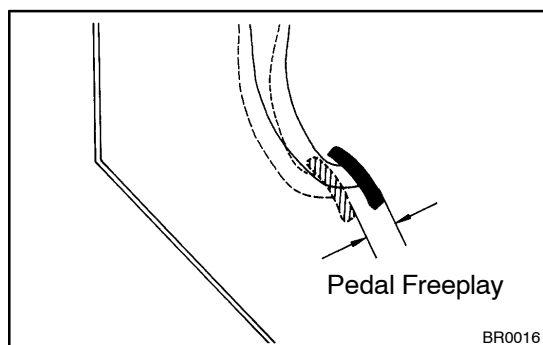


Clearance: 0.5 – 2.4 mm (0.02 – 0.09 in.)

- Tighten the stop light switch lock nut.
- Check that 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 that the pedal freeplay.

HINT:

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



3. CHECK PEDAL FREEPLAY

- Stop the engine and depress the brake pedal several times until there is no more vacuum left in the booster.
- Push in the pedal by hand until the beginning of the second resistance is felt. Measure the distance.

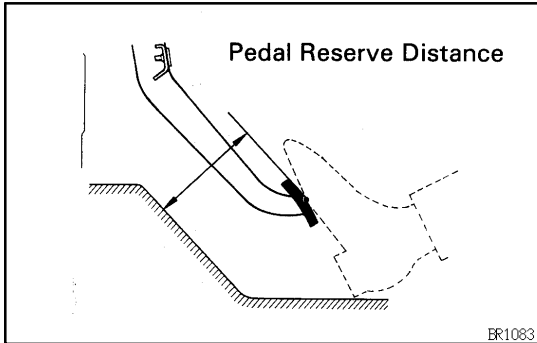
Pedal freeplay: 3 – 6 mm (0.12 – 0.24 in.)

HINT:

The freeplay to the 1st resistance is due to the play between the clevis and pin. This is magnified up to 3 – 6 mm (0.12 – 0.24 in.) at the pedal.

If incorrect, check the stop light switch clearance.

If the clearance is OK, then troubleshoot the brake system.

**4. CHECK PEDAL RESERVE DISTANCE**

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, 110.2lbf):

More than 68 mm (2.68 in.)

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