

BRAKE PEDAL ON-VEHICLE INSPECTION

BR0RB-07

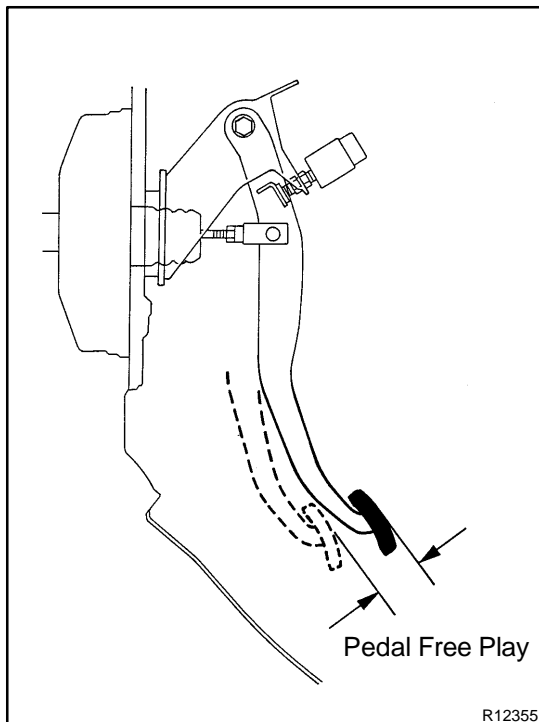
1. CHECK PEDAL HEIGHT

**Pedal height from dash panel:
124.3 - 134.3 mm (4.894 - 5.287 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: 26 N·m (260 kgf·cm, 20 ft·lbf)
- Install the stop light switch.
- Connect the connector to the stop light switch.
- Push the brake pedal in 5 - 15 mm (0.20 - 0.59 in.), turn the stop light switch to lock the nut in the position where the stop light goes off.
- Push the brake pedal in 5 - 15 mm (0.20 - 0.59 in.), check that stop light lights up.
- After adjusting the pedal height, check the pedal free play.



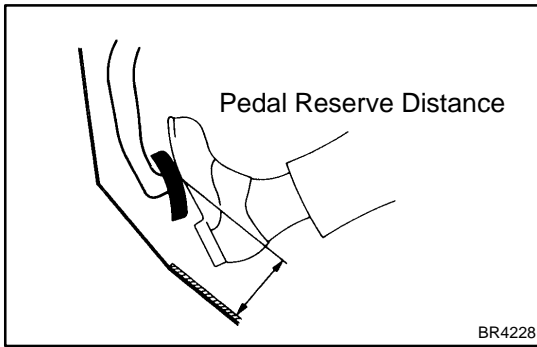
3. CHECK PEDAL FREE PLAY

- 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 resistance begins to be felt, then measure the distance, as shown.

Pedal free play: 1 - 3 mm (0.04 - 0.12 in.)

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

**Stop light switch clearance:
0.5 - 2.4 mm (0.020 - 0.094 in.)**



4. CHECK PEDAL RESERVE DISTANCE

Release the parking brake lever.

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

**Pedal reserve distance from dash panel at 490 N
(50 kgf, 110.2 lbf):**

More than 48 mm (1.89 in.)

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