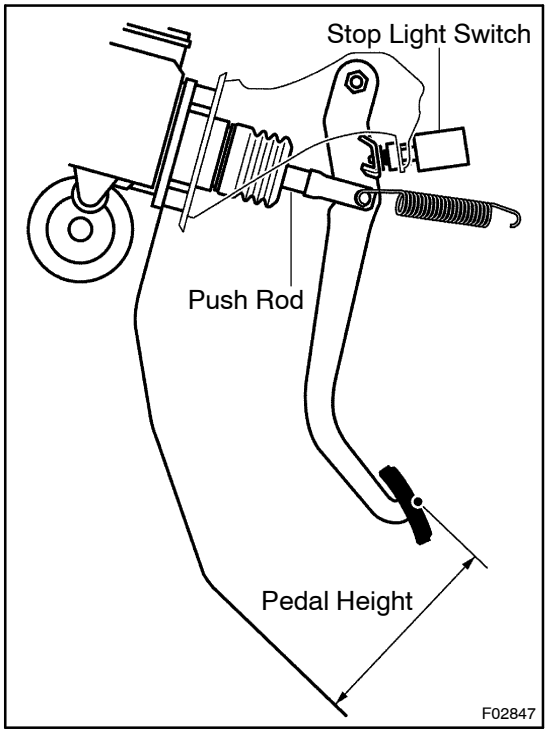


BRAKE PEDAL

BR0JB–02

ON–VEHICLE INSPECTION

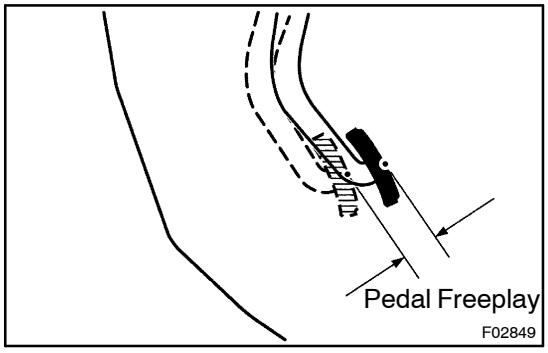
1. CHECK PEDAL HEIGHT

Pedal height from asphalt sheet:
149.0 – 159.0 mm (5.866 – 6.260 in.)

If the pedal height is incorrect, adjust it.

2. IF NECESSARY, ADJUST PEDAL HEIGHT

(a) Disconnect the connector from the stop light switch.
(b) Loosen the stop light switch lock nut and remove the stop light switch.
(c) Loosen the push rod lock nut.
(d) Adjust the pedal height by turning the pedal push rod.
(e) Tighten the push rod lock nut.
Torque: 25 N·m (260 kgf·cm, 19 ft·lbf)
(f) Install the stop light switch.
(g) Push in the brake pedal 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.
(h) Connect the connector to the stop light switch.
(i) After installation, push in the brake pedal 5 – 15 mm (0.20 – 0.59 in.), check that stop light lights up.
(j) After adjusting the pedal height, check the pedal freeplay.



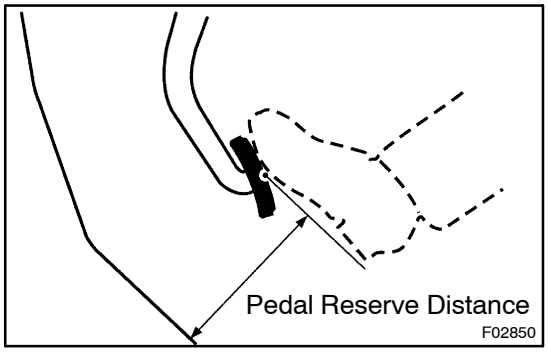
3. CHECK PEDAL FREEPLAY

(a) Stop the engine and depress the brake pedal more than 40 times until there is no more pressure left in the booster.
(b) Push in the pedal by hand until the second point of resistance begins to be felt, then measure the distance, as shown.
Pedal freeplay: 0.2 – 2.0 mm (0.008 – 0.079 in.)

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

HINT:

The freeplay to the 1st point of resistance is due to the play between the clevis and pin. It is 0.2 – 2.0 mm (0.008 – 0.079 in.) on the pedal.



4. CHECK PEDAL RESERVE DISTANCE

(a) Remove the floor carpet.

(b) Release the parking brake.

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

Pedal reserve distance at 196 N (20 kgf, 44.1 lbf):
More than 93 mm (3.66 in.)

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