

## BRAKE PEDAL ON-VEHICLE INSPECTION

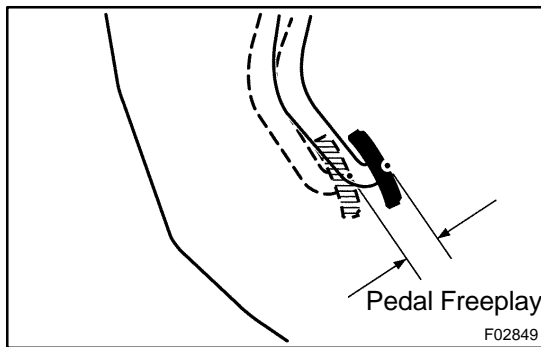
BRQJB-12

### 1. CHECK PEDAL HEIGHT

**Pedal height from asphalt sheet:**  
**150.0 – 160.0 mm (5.906 – 6.299 in.)**

### 2. IF NECESSARY, ADJUST PEDAL HEIGHT

- Remove the No. 1 under cover, end pad, No. 1 safety pad and No. 7 heater to register duct (See page [BO-88](#)).
- 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.
- Connect the connector to the stop light switch.
- 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.
- After installation, push in the brake pedal 5 – 15 mm (0.20 – 0.59 in.), check that stop light lights up.
- After adjusting the pedal height, check the pedal freeplay.
- Install the No. 7 heater to register duct, No. 1 safety pad, end pad and No. 1 under cover.



### 3. CHECK PEDAL FREEPLAY

- Stop the engine and depress the brake pedal more than 40 times until there is no more pressure 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: 0.2 – 2.0 mm (0.008 – 0.079 in.)**

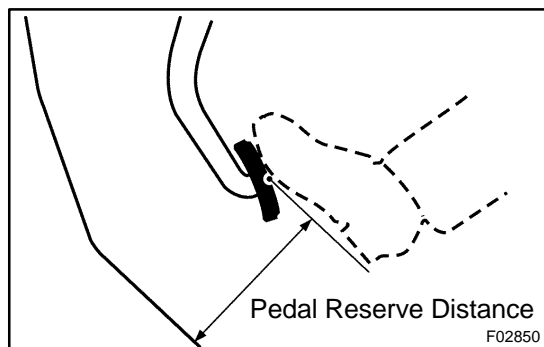
If incorrect, check the stop light switch clearance. If the clearance is OK, then troubleshoot the brake system.

**Stop light switch clearance:**

**0.5 – 2.4 mm (0.020 – 0.094 in.)**

#### 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.
- (c) 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.

- (d) Install the floor carpet.