

## BRAKE PEDAL ON-VEHICLE INSPECTION

BR0YL-01

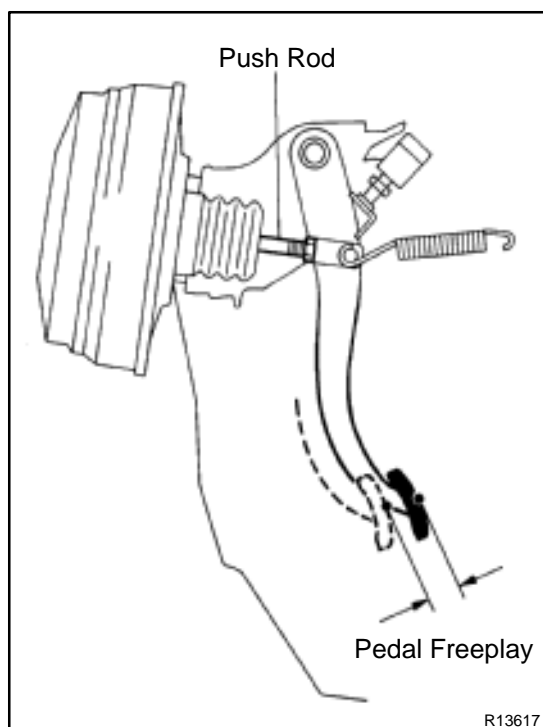
### 1. CHECK PEDAL HEIGHT

**Pedal height from asphalt seat:**

**154.6 – 164.6 mm (6.087 – 6.480 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.
- 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 freeplay.



### 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 second resistance begins to be felt. Measure the distance.  
**Pedal freeplay: 3 – 6 mm (0.12 – 0.24 in.)**

#### HINT:

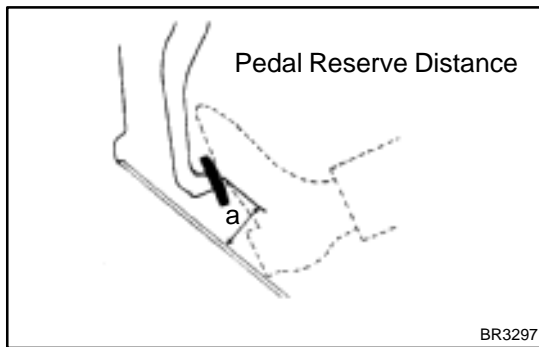
The freeplay to the 1st resistance is due to the play between the clevis and pin. This is magnified up to 1 – 3 mm (0.04 – 0.12 in.) at the pedal.

If correct, 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.

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

**Pedal reserve distance, 'a', at 490 N (50 kgf, 110.2 lbf):**

**More than 72 mm (2.83 in.)**

If incorrect, troubleshoot the brake system.