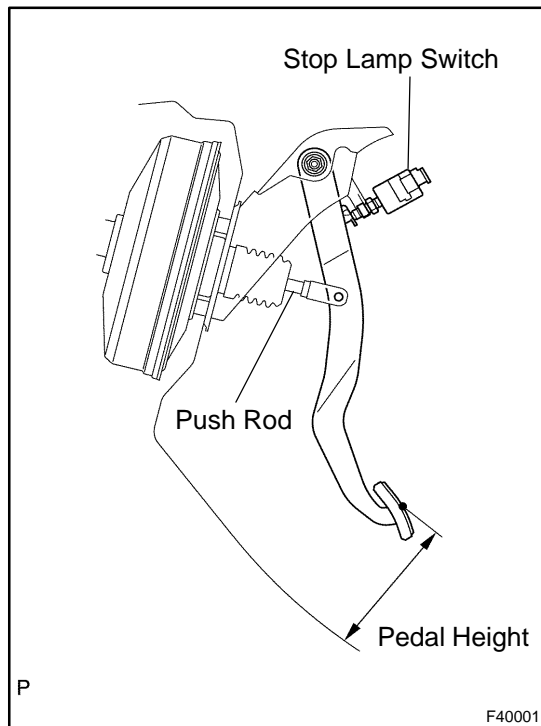


# BRAKE PEDAL SUB-ASSY ADJUSTMENT

3201W-01



## 1. CHECK AND ADJUST BRAKE PEDAL HEIGHT

- (a) Inspect brake pedal height.

**Pedal height from asphalt sheet:**

**M/T: 134.9 – 144.9 mm (5.311 – 5.703 in.)**

**A/T: 136.0 – 146.0 mm (5.353 – 5.747 in.)**

- (1) Disconnect the connector from the stop lamp switch.
- (2) Remove the stop lamp switch.
- (3) Loosen the clevis lock nut.
- (4) Adjust the pedal height by turning the pedal push rod.
- (5) Tighten the push rod lock nut.

**Torque: 26 N·m (265 kgf·cm, 19 ft·lbf)**

- (6) Install the stop lamp switch.
- (7) Connect the connector to the stop lamp switch.
- (8) Push the brake pedal in 5 – 15 mm (0.20 – 0.59 in.), and turn the stop lamp switch to lock the nut in the position where the stop lamp goes off.
- (9) After installation, push the brake pedal in 5 – 15 mm (0.20 – 0.59 in.), check that stop lamp comes on.

## 2. CHECK PEDAL FREE PLAY

- (a) Stop the engine and depress the brake pedal several times until there is no more vacuum left in the booster.
- (b) Push in the pedal until the beginning of the resistance is felt. Measure the distance, as shown in the illustration.

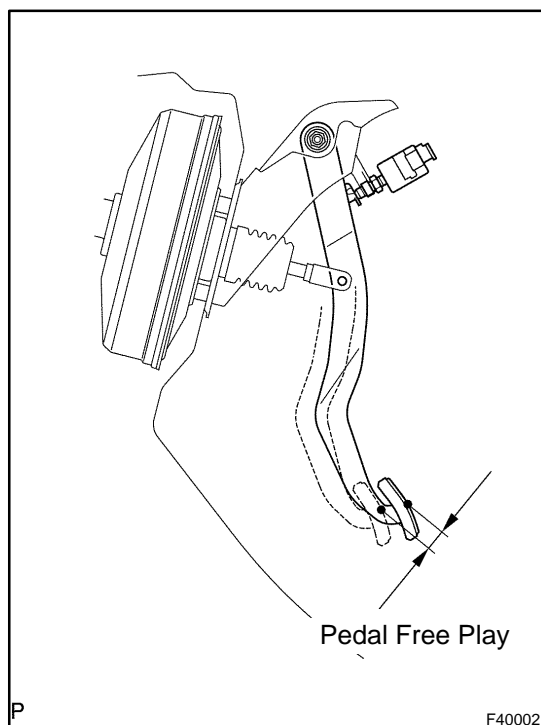
**Pedal free play: 1 – 6 mm (0.04 – 0.24 in.)**

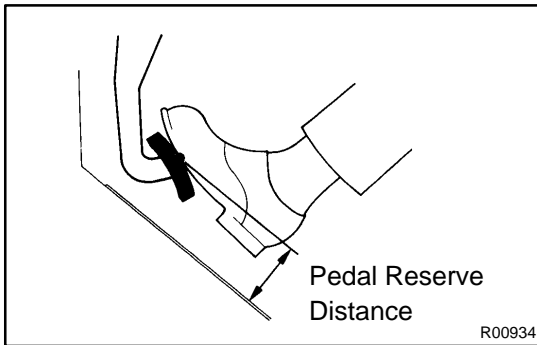
If incorrect, check the stop lamp switch clearance.

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

**Stop lamp switch clearance:**

**0.5 – 2.4 mm (0.020 – 0.094 in.)**





### 3. CHECK PEDAL RESERVE DISTANCE

- (a) Release the parking brake lever.

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

**Pedal reserve distance from asphalt sheet at 490 N (50 kgf, 110.2 lbf): More than 70 mm (2.76 in.)**

If incorrect, troubleshoot the brake system.