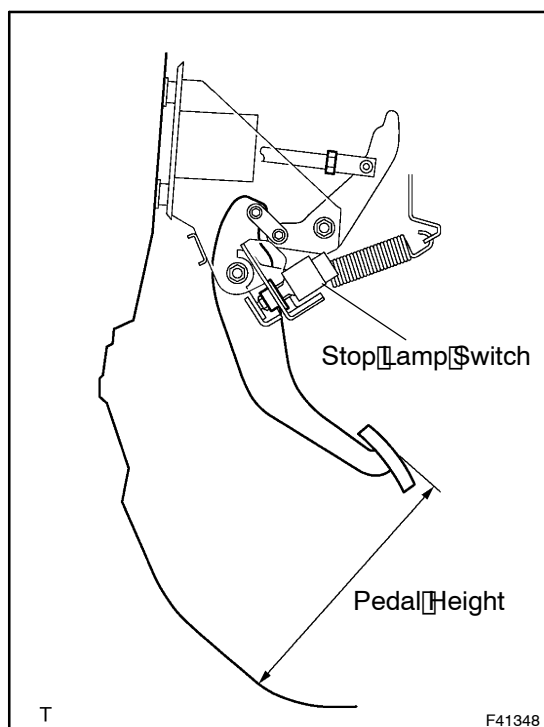


BRAKE PEDAL SUPPORT ASSY ADJUSTMENT

3208M-02



1. CHECK AND ADJUST BRAKE PEDAL HEIGHT

(a) Inspect brake pedal height.

Pedal height from asphalt sheet:

RHD:

A/T: 169.7 – 179.7 mm (6.681 – 7.074 in.)

M/T: 172.7 – 182.7 mm (6.799 – 7.193 in.)

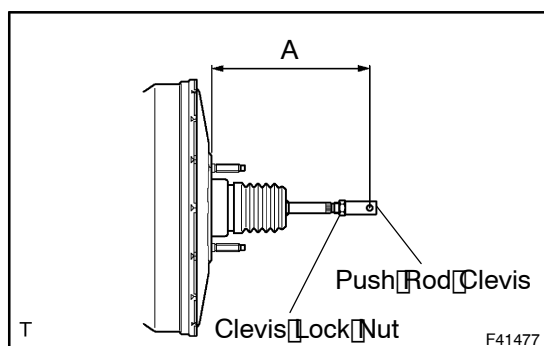
LHD:

170.4 – 180.4 mm (6.709 – 7.102 in.)

if the pedal height is incorrect, adjust it.

(b) Adjust brake pedal height.

- (1) Disconnect the connector from the stop lamp switch.
- (2) Remove the stop lamp switch by turning counter-clockwise.
- (3) Remove the brake booster assy. (RHD) (See page 32-17)
- (4) Remove the brake booster assy. (LHD) (See page 32-22)



(5) Loosen the clevis lock nut.

(6) Turn the push rod clevis and adjust the length "A" in the illustration.

Length "A": 167.9 – 168.9 mm (6.610 – 6.650 in.)

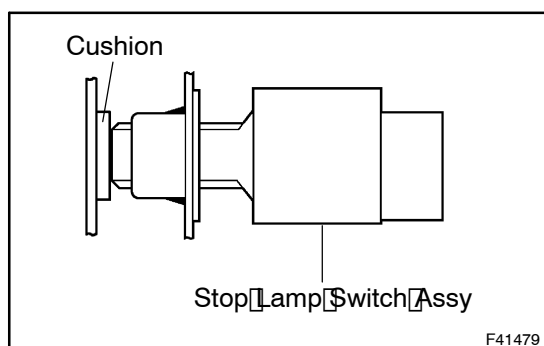
(7) Tighten the clevis lock nut.

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

(8) Install the brake booster assy. (RHD) (See page 32-17)

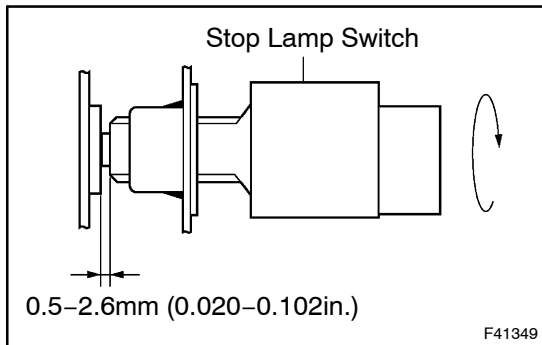
(9) Install the brake booster assy. (LHD) (See page 32-22)

(10) Insert the stop lamp switch assy until the body hits the cushion.



NOTICE:

When inserting the stop lamp switch assy, support the pedal from behind so that the pedal is not pushed in.



- (11) Make a quarter turn clockwise to install the stop lamp switch assy.

NOTICE:

- When inserting the stop lamp switch assy, support the pedal from behind so that the pedal is not pushed in.
- The turning torque of installing the stop lamp switch assy should be 1.5 N·m (15 kgf·cm, 13 in.lbf) or less.

HINT:

Due to inverse screw structure, if the stop lamp switch is turned clockwise, the stop lamp switch assy moves in the direction to be pulled out.

- (12) Connect the connector to the stop lamp switch.

- (13) Check the protrusion of the rod.

Protrusion of the rod: 0.5 – 2.6 mm (0.020 – 0.102 in.)

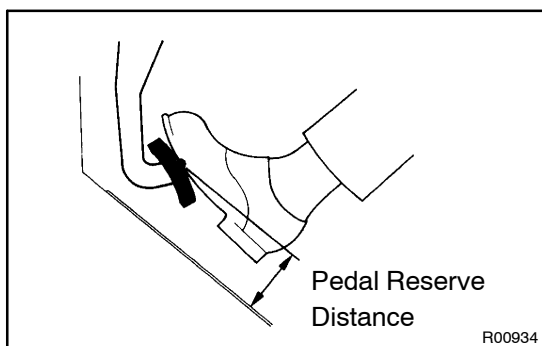
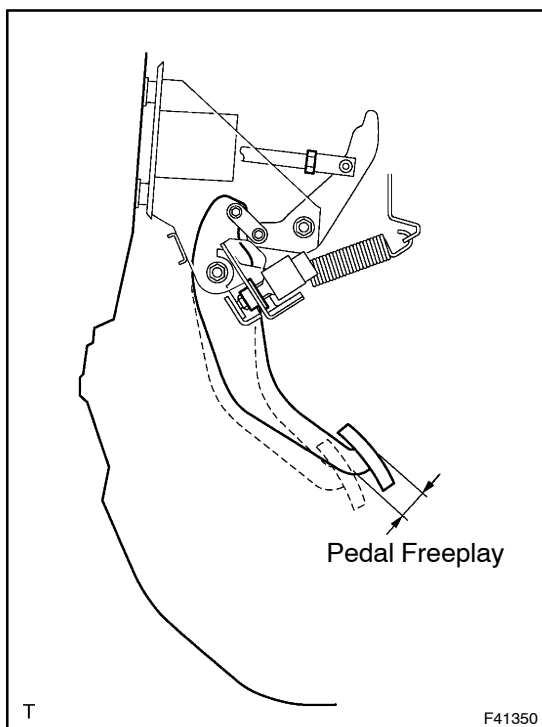
2. CHECK PEDAL FREE PLAY

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

Pedal freeplay: 1 – 6 mm (0.04 – 0.24 in.)

If incorrect, check the stop lamp switch installation.

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

**3. CHECK PEDAL RESERVE DISTANCE**

- Release the parking brake lever.
With engine running, depress the pedal and measure the pedal reserve distance, as shown.

Pedal reserve distance from asphalt sheet at 490 N (50 kgf, 110.2 lbf)

RHD: More than 63 mm (2.4in.)

LHD: More than 54 mm (2.1in.)

If incorrect, troubleshoot the brake system.