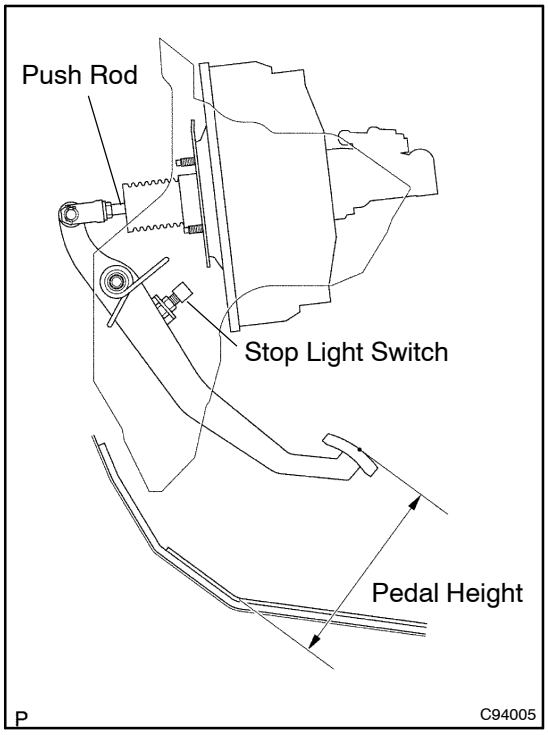
ADJUSTMENT



1. CHECK AND ADJUST BRAKE PEDAL HEIGHT

(a) Inspect the brake pedal height.

Pedal height from polyvinyl chloride mat:

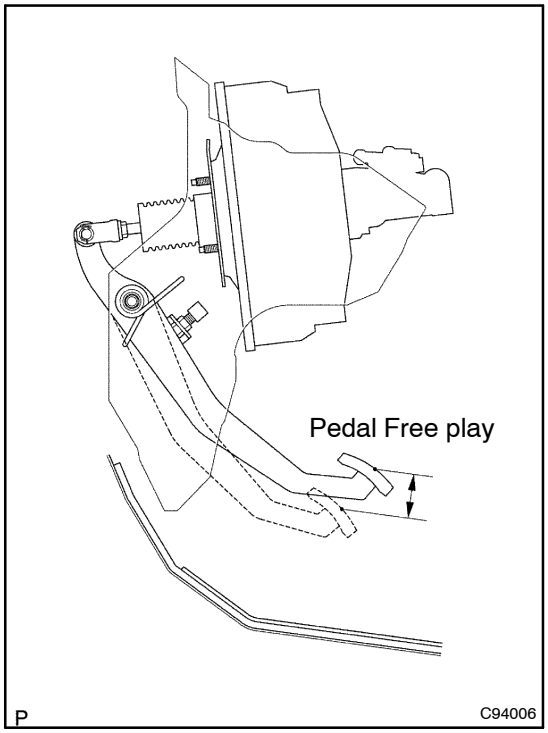
Australia model	218.4 – 228.4 mm (8.598 – 8.992 in.)
w/o ABS	218 – 228 mm (8.582 – 8.976 in.)
w/ ABS	197.7 – 207.7 mm (7.783 – 8.177 in.)

(b) Adjust the brake pedal height.

(1) Remove the instrument finish panel lower.
(2) Disconnect the connector from the stop light switch.
(3) Loosen the stop light switch lock nut, and remove the stop light switch.
(4) Loosen the clevis lock nut.
(5) Adjust the pedal height by turning the pedal push rod.
(6) Tighten the push rod lock nut.

Torque: 25.5 N·m (260 kgf·cm, 19 ft·lbf)

(7) Install the stop light switch.
(8) Connect the connector to the stop light switch.
(9) Depress the brake pedal 5 – 15 mm (0.20 – 0.59 in.), and turn the stop light switch to lock the nut in the position where the stop light goes off.
(10) After the installation, depress the brake pedal 5 – 15 mm (0.20 – 0.59 in.), and then check that the stop light lights up.



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) Depress the pedal until the beginning of the resistance is felt. Then measure the pedal free play, as shown in the illustration.

Pedal free play: 1 – 3 mm (0.04 – 0.12 in.)

HINT:

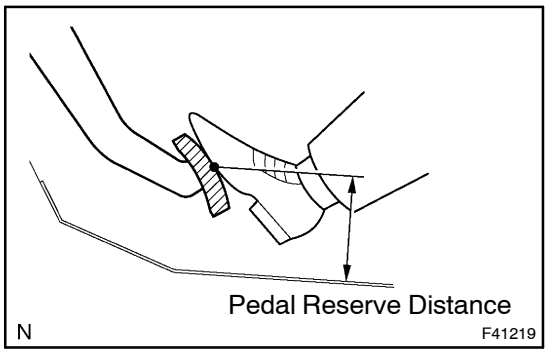
Standard:

The free play to the 1st point of resistance is caused by the play between the clevis and pin. It is 1 – 3 mm (0.04 – 0.12 in.) from the pedal.

If incorrect, check the stop light switch clearance.

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

Stop light switch clearance:
0.5 – 2.4 mm (0.020 – 0.094 in.)



3. CHECK PEDAL RESERVE DISTANCE

(a) Release the parking brake lever.

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

Pedal reserve distance from polyvinyl chloride mat: 490 N (50 kgf, 110 lbf):
More than 30 mm (1.18 in.)

If incorrect, troubleshoot the brake system.