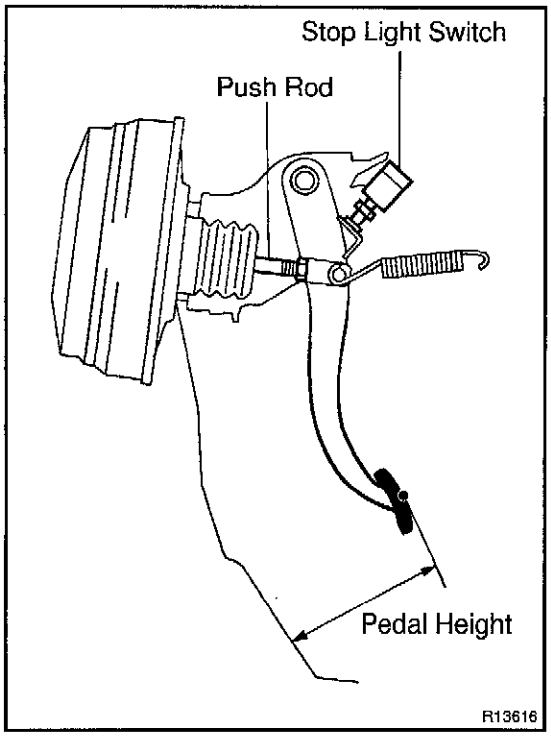


BRAKE PEDAL

BR0EJ–01

ON–VEHICLE INSPECTION

1. CHECK PEDAL HEIGHT

Pedal height from asphalt seat:

2WD

Regular Cab

G.C.C., Australia and Europe

LHD	159.6 – 169.6 mm (6.283 – 6.677 in.)
RHD	166.2 – 176.2 mm (6.543 – 6.937 in.)

Others

LHD	161.1 – 171.1 mm (6.343 – 6.736 in.)
RHD	167.7 – 177.7 mm (6.602 – 6.996 in.)

Extra Cab

Australia (5L Engine)

RHD	164.2 – 174.2 mm (6.465 – 6.858 in.)

Others

LHD	159.6 – 169.6 mm (6.283 – 6.677 in.)
RHD	166.2 – 176.2 mm (6.543 – 6.937 in.)

Double Cab

Australia (5L Engine)

RHD	164.2 – 174.2 mm (6.465 – 6.858 in.)

G.C.C., Australia and Europe

LHD	159.6 – 169.6 mm (6.283 – 6.677 in.)
RHD	166.2 – 176.2 mm (6.543 – 6.937 in.)

Others

LHD	161.1 – 171.1 mm (6.343 – 6.736 in.)
RHD	167.7 – 177.7 mm (6.602 – 6.996 in.)

4WD

Regular Cab

G.C.C., Australia and Europe

LHD	157.6 – 167.6 mm (6.205 – 6.598 in.)
RHD	164.2 – 174.2 mm (6.465 – 6.858 in.)

Others

LHD	161.1 – 171.1 mm (6.343 – 6.736 in.)
RHD	167.7 – 177.7 mm (6.602 – 6.996 in.)

Extra Cab

Australia (5L Engine)

RHD	164.2 – 174.2 mm (6.465 – 6.858 in.)

Others

LHD	159.6 – 169.6 mm (6.283 – 6.677 in.)
RHD	166.2 – 176.2 mm (6.543 – 6.937 in.)

Double Cab

G.C.C., Australia and Europe

LHD	157.6 – 167.6 mm (6.205 – 6.598 in.)
RHD	164.2 – 174.2 mm (6.465 – 6.858 in.)

Others

LHD	161.1 – 171.1 mm (6.343 – 6.736 in.)
RHD	167.7 – 177.7 mm (6.602 – 6.996 in.)

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2. IF NECESSARY, ADJUST PEDAL HEIGHT

(a) Disconnect the connector from the stop light switch.

(b) Loosen the stop light switch lock nut and remove the stop light switch.

(c) Loosen the push rod lock nut.

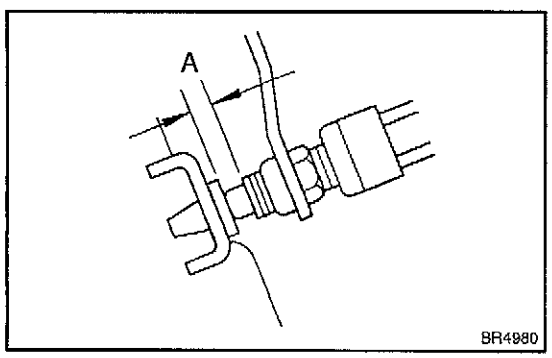
(d) Adjust the pedal height by turning the pedal push rod.

(e) Tighten the push rod lock nut.

Torque: 25 N·m (260 kgf·cm, 19 ft·lbf)

(f) Install the stop light switch and turn it until it lightly contacts the pedal stopper.

(g) Turn the stop light switch back one turn.



(h) Check the clearance (A) between the stop light switch and pedal.

Clearance:

0.5 – 2.4 mm (0.020 – 0.094 in.)

(i) Tighten the stop light switch lock nut.

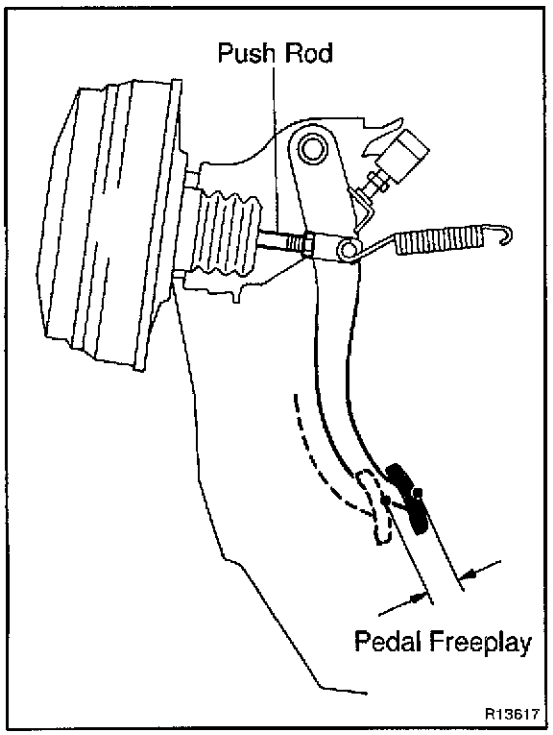
(j) Connect the connector to the stop light switch.

(k) Check that the stop lights come on when the brake pedal is depressed, and go off when the brake pedal is released.

(l) After adjusting the pedal height, check the pedal freeplay.

HINT:

If clearance (A) between the stop light switch and the pedal stopper has been adjusted correctly, the pedal freeplay will meet the specifications.



3. CHECK PEDAL FREEPLAY

(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 by hand until the beginning of the second resistance is felt. Measure the distance.

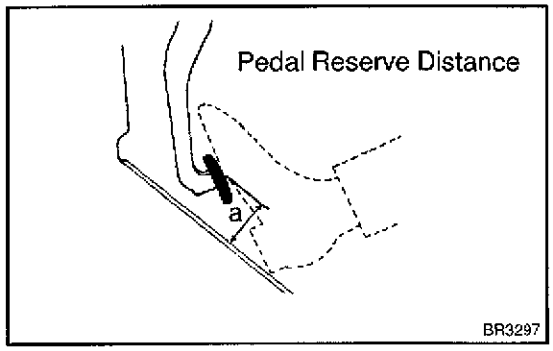
Pedal freeplay: 1 – 6 mm (0.04 – 0.24 in.)

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.



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):

2WD

LHD	More than 80 mm (3.15 in.)
RHD	More than 85 mm (3.35 in.)

4WD

LHD	More than 75 mm (2.95 in.)
RHD	More than 80 mm (3.15 in.)

If incorrect, troubleshoot the brake system.