
BRAKE

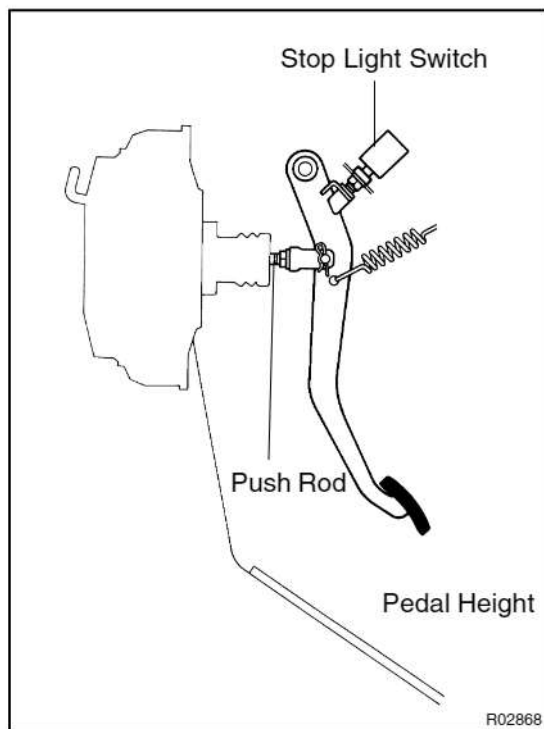
BRAKE PEDAL BR-1

REFER TO FOLLOWING REPAIR MANUALS:

Manual Name	Pub. No.
AVENSIS/CORONA Chassis and Body Repair Manual	RM599E
AVENSIS/CORONA Chassis and Body Repair Manual Supplement (Aug., 1999)	RM698E

NOTE: The above pages contain only the points which differ from the above listed manuals.





BRAKE PEDAL ON-VEHICLE INSPECTION

BROK-06

1. CHECK PEDAL HEIGHT

Pedal height from asphalt sheet:

(LHD)

147.0 – 157.0 mm (5.787 – 6.181 in.)

(RHD)

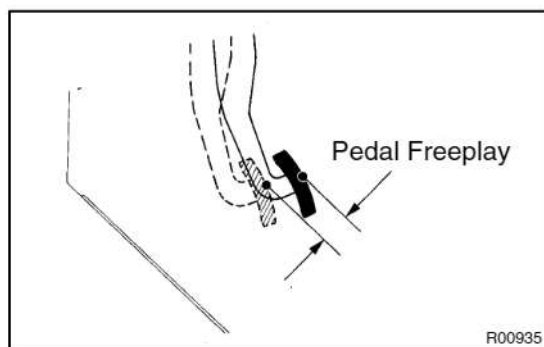
149.5 – 159.5 mm (5.886 – 6.280 in.)

If the pedal height is incorrect, adjust it.

2. RHD:

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: 15 N·m (155 kgf·cm, 11 ft·lbf)
- (f) Install the stop light switch.
- (g) Push the brake pedal in 5 – 15 mm (0.20 – 0.59 in.), turn the stop light switch and lock the nut in the position where the stop light goes off.
- (h) Connect the connector to the stop light switch.
- (i) After installation, push the brake pedal in 5 – 15 mm (0.20 – 0.59 in.), check that stop light lights up.
- (j) After adjusting the pedal height, check the pedal freeplay.



3. CHECK PEDAL FREEPLAY

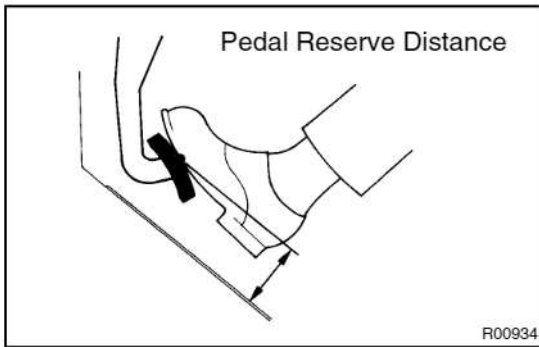
- (a) Stop the engine and depress the brake pedal several times until there is no more vacuum left in the booster.
- (b) Push in the pedal by hand until the resistance begins to be felt, then measure the distance.

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 incorrect, 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 from asphalt sheet at 490 N (50 kgf, 110.2 lbf):

LHD Gasoline engine (w/o ABS)

More than 70 mm (2.76 in.)

LHD others

More than 55 mm (2.17 in.)

RHD Gasoline engine (w/o ABS)

More than 90 mm (3.54 in.)

RHD others

More than 75 mm (2.95 in.)

If the reserve distance is incorrect, troubleshoot the brake system.