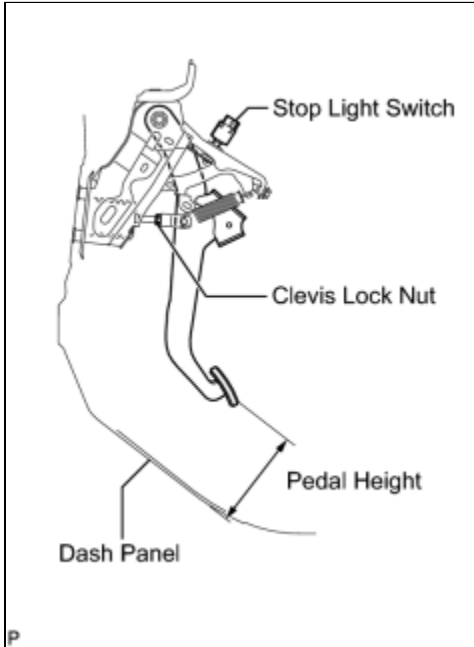


Last Modified: 7-13-2007		1.6 N
Service Category: Brake	Section: Brake System	
Model Year: 2008	Model: ES350	Doc ID: RM000000QSF00MX
Title: BRAKE: BRAKE PEDAL: ADJUSTMENT (2008 ES350)		

ADJUSTMENT

1. INSPECT AND ADJUST BRAKE PEDAL HEIGHT



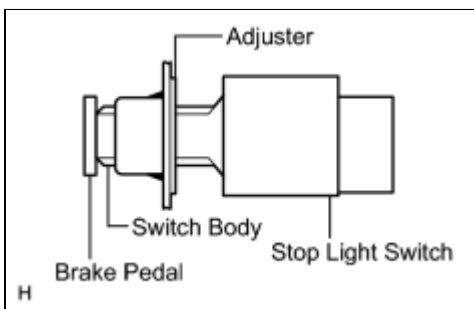
(a) Inspect the brake pedal height.

Pedal height from dash panel:
129.9 to 139.9 mm (5.114 to 5.508 in.)

(b) Adjust the brake pedal height.

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

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



(6) Insert the switch into the adjuster until the switch body touches the pedal.

NOTICE:
Do not depress the pedal.

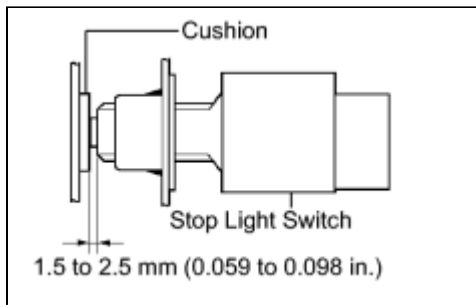
(7) Rotate the switch a quarter turn clockwise.

Torque: 1.5 N·m (15 kgf·cm, 13 in·lbf)

NOTICE:

Do not depress the pedal.

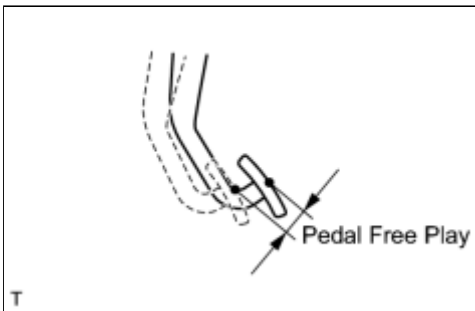
(8) Connect the connector.



(9) Check the switch clearance.

Standard stop light switch clearance:
1.5 to 2.5 mm (0.059 to 0.098 in.)

2. INSPECT PEDAL FREE PLAY



- (a) Stop the engine. Press the pedal several times until no vacuum is left in the booster. Release the pedal.
 (b) Depress the pedal until a slight resistance is felt. Measure the distance as shown in the illustration.

Pedal free play:

1.0 to 6.0 mm (0.039 to 0.236 in.)

If the pedal free play is not as specified, check the switch clearance in the next step. If the pedal free play is as specified, proceed to the "CHECK PEDAL RESERVE DISTANCE" procedure.

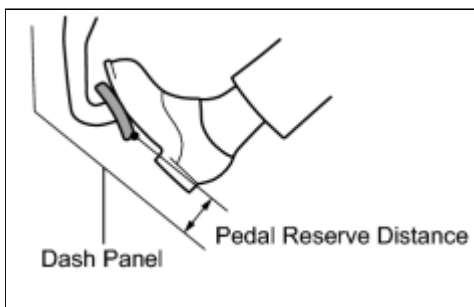
- (c) Check the switch clearance.

Standard stop light clearance:

1.5 to 2.5 mm (0.059 to 0.098 in.)

If the clearance is not as specified, reinstall the switch and recheck the pedal free play. If the clearance is as specified, troubleshoot the brake system and proceed to the "CHECK PEDAL RESERVE DISTANCE" procedure.

3. INSPECT PEDAL RESERVE DISTANCE



- (a) Release the parking brake pedal or 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 the dash panel at 500 N (51 kgf, 112 lbf):

61 mm (2.402 in.)

If the distance is not as specified, troubleshoot the brake system.

