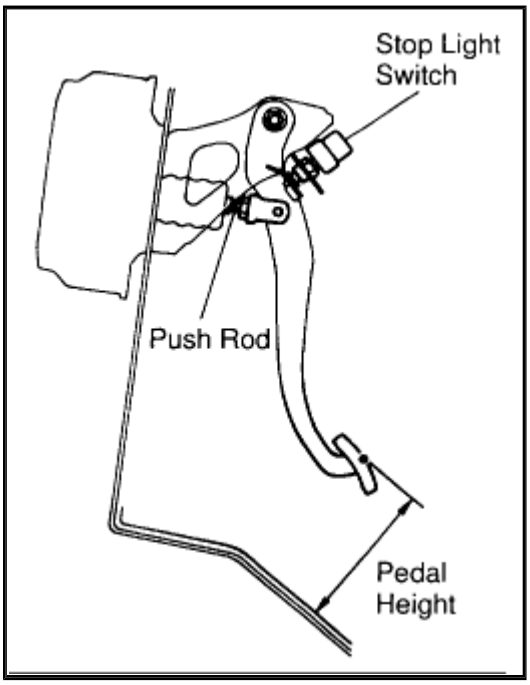
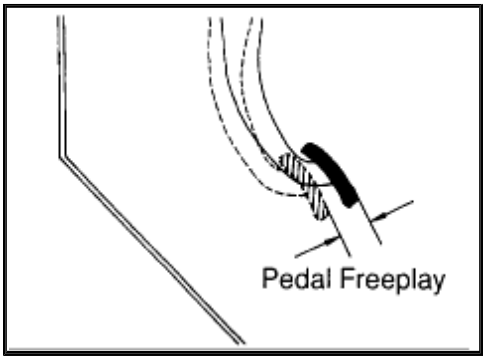
Testing and Inspection

ON-VEHICLE INSPECTION



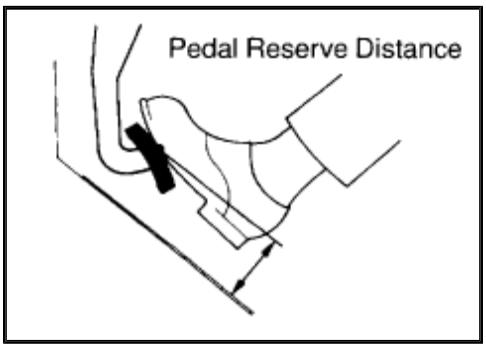
1. CHECK PEDAL HEIGHT Pedal height from asphalt sheet: **139.8 - 149.8 mm (5.504 - 5.898 inch)** If the pedal height is incorrect, adjust it.
2. IF NECESSARY, ADJUST PEDAL HEIGHT

    a. Remove the lower No. 1 panel and finish panel.
    b. Disconnect the connector from the stop light switch.
    c. Loosen the stop light switch lock nut and remove the stop light switch.
    d. Loosen the clevis lock nut.
    e. Adjust the pedal height by turning the pedal push rod.
    f. Tighten the clevis lock nut. Torque: **25 Nm (260 kgf-cm, 19 ft. lbs.)**
    g. Install the stop light switch.
    h. Connect the connector to the stop light switch.
    i. Push the brake pedal in **5 - 15 mm (0.20 - 0.59 inch)** , turn the stop light switch to lock the nut in the position where the stop light goes off.
    j. Push the brake pedal in **5 - 15 mm (0.20 - 0.59 inch)** , check that stop light lights up.
    k. 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 until the beginning of the resistance is felt. Measure the distance, as shown. Pedal freeplay: **1 - 6 mm (0.04 - 0.24 inch)** If incorrect, check the stop light switch clearance. If the clearance is OK, then troubleshoot the brake system. Stop light switch clearance: **0.5 - 2.4 mm (0.020 - 0.094 inch)**



4. 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 lbs)** : **More than 85 mm (3.35 inch)** If incorrect, troubleshoot the brake system.