

DISASSEMBLY

1. REMOVE BRAKE PEDAL PAD

- (a) Remove the brake pedal pad from the brake pedal sub-assembly.

2. REMOVE STOP LIGHT SWITCH ASSEMBLY

- (a) Loosen the stop light switch lock nut and remove the stop light switch assembly.

3. REMOVE BRAKE PEDAL BUSH

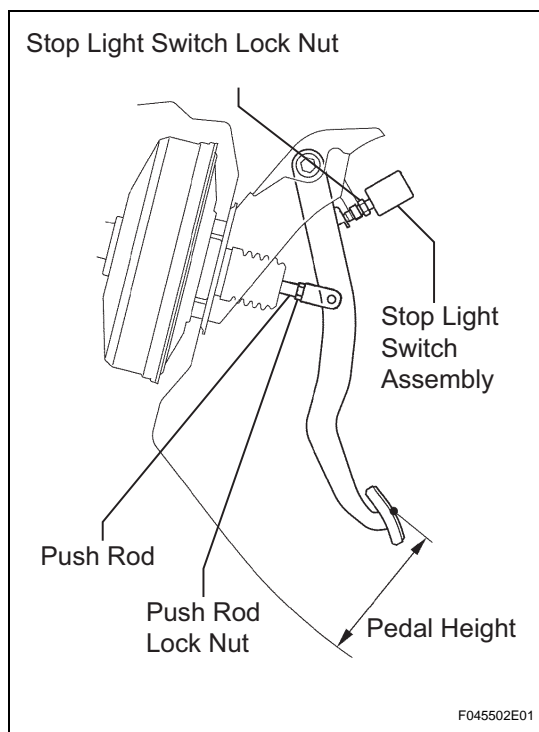
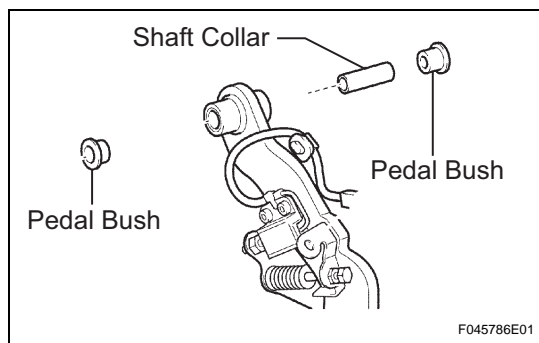
- (a) Remove the 2 brake pedal bushes from the brake pedal sub-assembly.

4. REMOVE BRAKE PEDAL SHAFT COLLAR

- (a) Remove the brake pedal shaft from the brake pedal sub-assembly.

5. REMOVE STOP LIGHT SWITCH CUSHION

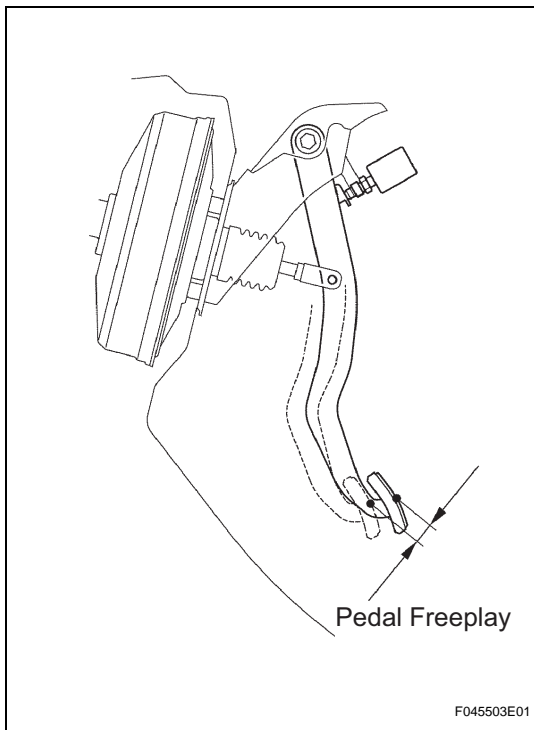
- (a) Remove the stop light switch cushion from the brake pedal sub-assembly.



ADJUSTMENT

1. CHECK AND ADJUST BRAKE PEDAL HEIGHT

- (a) Check brake pedal height.
 - Pedal height from asphalt sheet:**
150.0 to 160.0 mm (5.906 to 6.299 in.)
- (b) Adjust brake pedal height.
 - (1) Disconnect the connector from the stop light switch assembly.
 - (2) Loosen the stop light switch lock nut and remove the stop light switch assembly.
 - (3) Loosen the push rod lock nut.
 - (4) Adjust the pedal height by turning the pedal push rod.
 - (5) Tighten the push rod lock nut.
 - Torque: 26 N*m (265 kgf*cm, 19 ft.*lbf)**
 - (6) Install the stop light switch assembly.
 - (7) Connect the connector to the stop light switch assembly.
 - (8) Push the brake pedal in 5 to 10 mm (0.20 to 0.39 in.), turn the stop light switch assembly to lock the nut in the position where the stop light goes off.
 - (9) After installation, push the brake pedal in 5 to 10 mm (0.20 to 0.39 in.), and check that the stop light comes on.
 - (10) Tighten the stop light switch lock nut.
 - Torque: 17 N*m (173 kgf*cm, 13 ft.*lbf)**



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) Press the pedal until the beginning of the resistance is felt. Measure the distance as shown in the illustration.

Pedal freeplay:

2.0 to 3.0 mm (0.079 to 0.118 in.)

If incorrect, proceed to the following step.

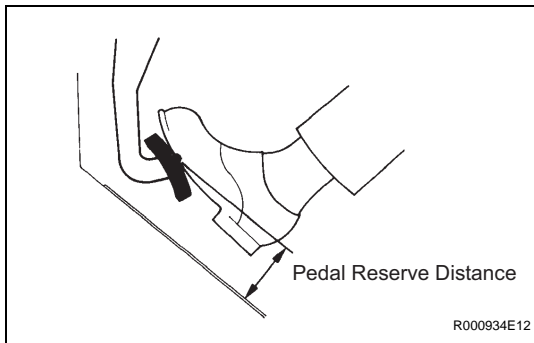
- (1) Check the stop light switch clearance.

Stop light switch clearance:

0.5 to 2.6 mm (0.020 to 0.102 in.)

If correct, the pedal free play is OK.

If incorrect, adjust the stop light switch clearance.



3. CHECK PEDAL RESERVE DISTANCE

- (a) Release the parking brake pedal.
- (b) 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 lbf):

More than 80 mm (3.1 in.)

If incorrect, troubleshoot the brake system.