PARK / NEUTRAL POSITION SWITCH

REMOVAL

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

2. DISCONNECT PARK/NEUTRAL POSITION SWITCH CONNECTOR

3. REMOVE PARK/NEUTRAL POSITION SWITCH ASSEMBLY
   (a) Using a screwdriver, unstake the lock washer.
   (b) Remove the nut, lock washer and grommet.
   (c) Remove the bolt and park/neutral position switch.
ADJUSTMENT

1. INSPECT PARK/NEUTRAL POSITION SWITCH ASSEMBLY
   (a) Apply the parking brake and turn the ignition switch to ON.
   (b) Depress the brake pedal and check that the engine starts only when the shift lever is set in the N or P position and that it does not start in any other positions.
   (c) Check that the back-up light comes on and the reverse warning buzzer sounds only when the shift lever is set in the R position and not in other positions.
      If any failure is found, check the park/neutral position switch for continuity.

2. ADJUST PARK/NEUTRAL POSITION SWITCH ASSEMBLY
   (a) Loosen the bolt of the park/neutral position switch and set the shift lever to the N position.
   (b) Align the groove and the neutral basic line.
   (c) Hold the switch in position and tighten the bolt. **Torque: 13 N*m (130 kgf*cm, 9 ft.*lbf)**
   (d) After making an adjustment, perform the inspection described in step 1.

INSTALLATION

1. INSTALL PARK/NEUTRAL POSITION SWITCH ASSEMBLY
   (a) Install the park/neutral position switch onto the manual valve lever shaft and provisionally tighten the adjusting bolt.
(b) Install the grommet, a new lock washer and the nut. Torque: 6.9 N*m (70 kgf*cm, 61 in.*lbf)

(c) Install the manual valve lever shaft onto the groove and turn it 2 notches counterclockwise to the neutral position.

(d) Align the neutral basic line with the switch groove and tighten the adjusting bolt. Torque: 13 N*m (133 kgf*cm, 10 ft.*lbf)

(e) Bend the tabs of the lock washer.  
HINT:  
Bend at least 2 of the lock washer tabs.

2. CONNECT PARK/NEUTRAL POSITION SWITCH CONNECTOR

3. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL  
Torque: 3.9 N*m (40 kgf*cm, 35 in.*lbf)

4. INSPECT PARK/NEUTRAL POSITION SWITCH ASSEMBLY (See page AT-145)

5. ADJUST PARK/NEUTRAL POSITION SWITCH ASSEMBLY (See page AT-145)

6. ADJUST SHIFT LEVER POSITION (See page AT-158)

7. INSPECT SHIFT LEVER POSITION (See page AT-158)