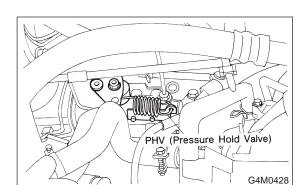
8. Hill Holder



# 8. Hill Holder

## A: REMOVAL

- 1) Drain brake fluid from reservoir of master cylinder.
- 2) Remove adjusting nut and cable clamp, and disconnect PHV cable from cable bracket on engine.
- 3) Detach PHV cable from clips.
- 4) Remove cable clamp, and disconnect PHV cable from PHV stay.

## **CAUTION:**

Carefully protect boots and inner cable from damage when disconnecting PHV cable.

5) Disconnect brake pipes from PHV.

#### CAUTION:

- Pay attention not to drop brake fluid onto body painting since it may dissolve paint.
- Pay attention not to damage hexagonal head of flare nut by using pipe wrench without fail.
- 6) Detach PHV along with support from side frame.

## **CAUTION:**

Exercise utmost care to prevent foreign matter from entering into PHV when removing it.

# **B: INSPECTION**

Check up removed parts as follows, and replace defective ones.

- 1) Check if boots of PHV cable are damaged or degraded, and if inner cable is damaged or corroded.
- 2) Check if return spring is worn out, damaged or corroded.
- 3) Confirm that rolling sound of ball is heard with PHV inclined and lever rotates smoothly.

## **CAUTION:**

Never disassemble PHV. Replace entire PHV assembly if necessary.

# C: INSTALLATION

1) Install PHV onto side frame.

## Tightening torque:

18±5 N·m (1.8±0.5 kg-m, 13.0±3.6 ft-lb)

2) Connect brake pipes to PHV.

## Tightening torque:

 $15^{+3}_{-2}$  N m  $(1.5^{+0.3}_{-0.2}$  kg-m,  $10.8^{+2.2}_{-1.4}$  ft-lb)

## CAUTION

Confirm that brake pipes are not deformed and/or damaged. Replace them with new ones if necessary.

3) Install PHV cable to PHV stay.

### **CAUTION:**

If cable clamp (and clips) is damaged, replace it with a

4) Connect PHV cable with clips.

#### NOTE:

Avoid sharp bending of PHV cable as it may cause breakage.

- 5) Install PHV cable onto cable bracket on engine.
- 6) Apply grease to the following points.
- Hook portion of return spring
- Cable end portion of lever

#### Grease:

## SUNLIGHT 2 (Part No. 003602010)

7) Be sure to bleed air from the system.

#### **CAUTION:**

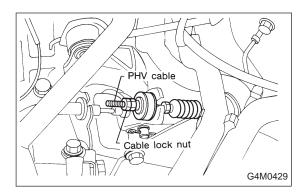
After replacing PHV cable or clutch cable with new one, operate clutch pedal about 30 times as a running-in operation prior to adjustment.

## D: ADJUSTMENTS

Confirm stopping and starting performances by activating hill holder on an uphill road of 3° or higher inclination.

- (1) If vehicle does not stop;
- Tighten adjusting nut of PHV cable.
- (2) If vehicle does not start properly;
- Case A When hill holder is released later than engagement of clutch pedal (Engine tends to stall.): Loosen adjusting nut gradually until smooth starting is enabled.
- Case B When hill holder is released earlier than engagement of clutch pedal (Vehicle slips down slightly.):

Tighten adjusting nut so that hill holder is released later than engagement of clutch pedal (status in Case A). Then make adjustment the same as in Case A.



## NOTE:

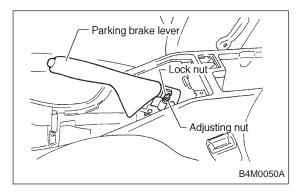
Whenever turning adjusting nut, prevent PHV cable from revolving as shown in Figure.

# 9. Parking Brake Lever

# A: REPLACEMENT

- 1) Remove console box from front floor.
- 2) Disconnect electric connector for parking brake switch.
- 3) Loosen parking brake adjuster, and remove inner cable end from equalizer.
- 4) Remove parking brake lever.
- 5) Install parking brake lever in the reverse order of removal.

Tightening torque (Lever installing bolt and nut): 18±5 N·m (1.8±0.5 kg-m, 13.0±3.6 ft-lb)



- 6) Adjust parking brake lever by turning adjusting nut until parking brake lever stroke is set at 7 to 8 notches with operating force of 196 N (20 kg, 44 lb).
- 7) Tighten lock nut.

Tightening torque (Lock nut): 5.9±1.5 N·m (0.60±0.15 kg-m, 4.3±1.1 ft-lb)