# INSPECTION

**1. INSPECT BRAKE VACUUM CHECK VALVE ASSEMBLY**

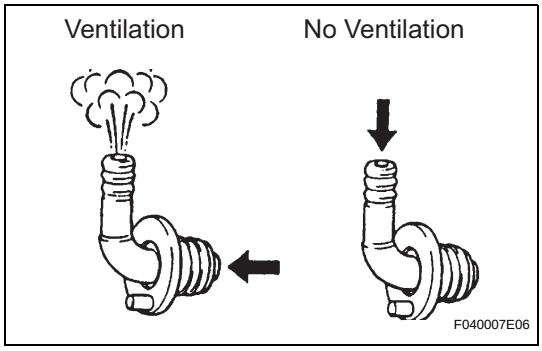
(a) Check the vacuum check valve.

(1) Slide the clip and disconnect the vacuum hose.

(2) Remove the vacuum check valve.

(3) Check that there is ventilation from the booster to the engine, and no ventilation from the engine to the booster.

(4) If any fault is found, replace the vacuum check valve.



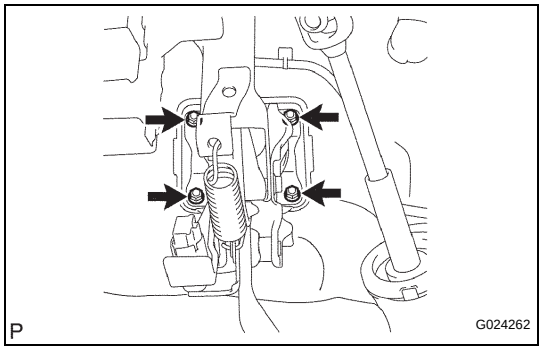
# INSTALLATION

**1. INSTALL BRAKE VACUUM CHECK VALVE ASSEMBLY**

(a) Install the brake vacuum check valve assembly and check valve grommet to the brake booster assembly.

**2. INSTALL BRAKE BOOSTER GASKET**

(a) Install a new brake booster gasket to the brake booster with master cylinder.




**3. INSTALL BRAKE MASTER CYLINDER ASSEMBLY**

(a) Install the brake booster assembly with the 4 nuts.
**Torque: 13 N*m (130 kgf*cm, 9 ft.*lbf)**

(b) Slide the clip and connect the brake master cylinder reservoir hose to the brake master cylinder union.

(c) Slide the clip and connect the vacuum hose from the brake vacuum check valve assembly.

**4. INSTALL PUSH ROD PIN**

(a) Install the push rod pin to the brake booster push rod.

**5. INSTALL BRAKE LINE**

(a) Install the front brake tube No. 1, front brake tube No. 2, front brake tube No. 3 and front brake tube No. 4.
**Torque: 15 N*m (155 kgf*cm, 11 ft.*lbf)**

(b) Install the rear brake tube No. 1and rear brake tube No. 2.
**Torque: 15 N*m (155 kgf*cm, 11 ft.*lbf)**

**6. INSTALL BRAKE ACTUATOR ASSEMBLY (w/o VSC)**
**SST 09023-00101**
HINT:
See page BC-184

**7. INSTALL ABS & TRACTION ACTUATOR ASSEMBLY (w/ VSC)**
**SST 09023-00101**
HINT:
See page BC-179.

**8. INSTALL AIR CLEANER ASSEMBLY WITH HOSE**

**9. FILL RESERVOIR WITH BRAKE FLUID (See page BR-3)**

**10. BLEED BRAKE MASTER CYLINDER (See page BR-3)**

**11. BLEED BRAKE LINE (See page BR-4)**

**12. BLEED BRAKE ACTUATOR (w/ VSC) (See page BR-4)**

**13. CHECK FLUID LEVEL IN RESERVOIR (See page BR-7)**

**14. CHECK BRAKE FLUID LEAKAGE**

15. **INSTALL INSTRUMENT PANEL SAFETY PAD INSERT SUB-ASSEMBLY NO. 1**
    (a) Install the instrument panel safety pad insert sub-assembly No. 1 with the 4 bolts.
16. **INSTALL INSTRUMENT PANEL FINISH PANEL SUB-ASSEMBLY LOWER LH**
    (a) Install the instrument panel finish panel sub-assembly lower LH with the 2 bolts.
17. **INSTALL COWL SIDE TRIM BOARD LH**
    (a) Install the cowl trim board plate LH with the nut.
18. **INSTALL FRONT DOOR SCUFF PLATE LH**
19. **INSTALL COWL TOP PANEL SUB-ASSEMBLY OUTER FRONT**
20. **INSTALL FRONT WHEEL**
    **Torque: 103 N*m (1,050 kgf*cm, 76 ft.*lbf)**
21. **INSPECT BRAKE PEDAL HEIGHT (See page BR-9)**
22. **CHECK BRAKE ACTUATOR WITH INTELLIGENT TESTER**

| Type of Brake Actuator | See Procedure |
|---|---|
| With VSC | BC-178 |
| Without VSC | BC-183 |