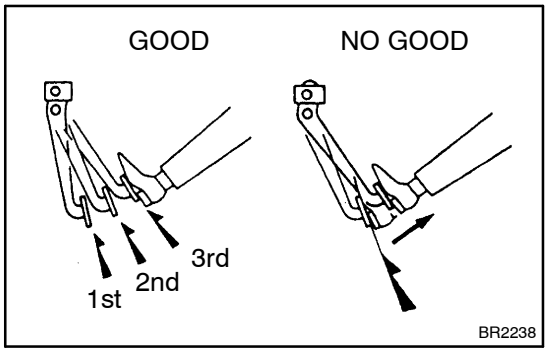
BRAKE BOOSTER ASSY

320X4–03

ON–VEHICLE INSPECTION



1. INSPECT BRAKE BOOSTER

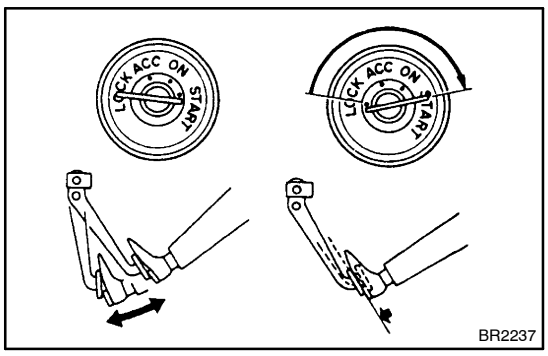
(a) Airtightness check.

(1) Start the engine and stop it after 1 or 2 minutes. Depress the brake pedal several times slowly.

HINT:
If the pedal can be depressed fully the first time, but cannot be depressed as far on the 2nd and 3rd time, the booster is airtight.
If incorrect, inspect the vacuum check valve.
If the vacuum check valve is normal, replace the brake booster assy.

(2) Depress the brake pedal while the engine is running, and stop the engine with the pedal depressed.

HINT:
If there is no change in the pedal reserve distance after holding the pedal for 30 seconds, the booster is airtight.
If incorrect, inspect the vacuum check valve.
If the vacuum check valve is normal, replace the brake booster assy.



(b) Operating check.

(1) Depress the brake pedal several times with the ignition switch off and check that there is no change in the pedal reserve distance.

(2) Depress the brake pedal and start the engine.

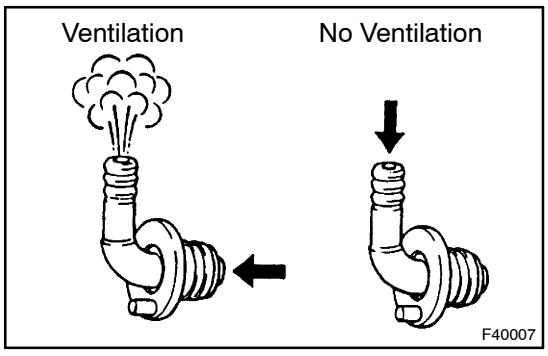
HINT:
If the pedal goes down slightly, operation is normal.
If incorrect, inspect the vacuum check valve.
If the vacuum check valve is normal, replace the brake booster assy.

2. INSPECT VACUUM CHECK VALVE

(a) Inspect 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 engine, and no ventilation from the engine to the booster.

HINT:
If any fault is found, replace the vacuum check valve.