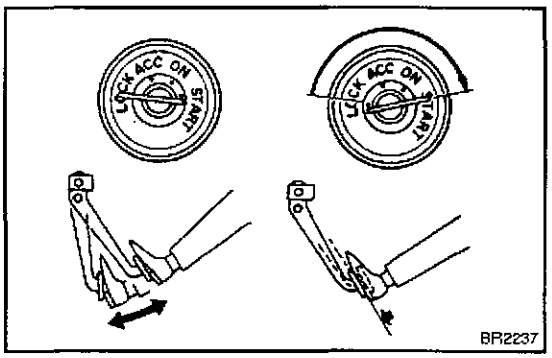


BRAKE BOOSTER ASSEMBLY

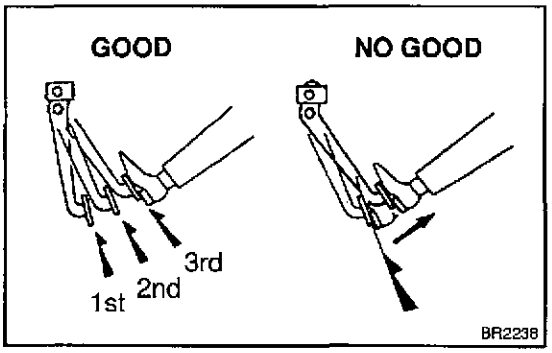
BR0ER-01

ON–VEHICLE INSPECTION

1. OPERATION CHECK

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

(b) Depress the brake pedal and start the engine. If the pedal goes down slightly, operation is normal.



2. AIR TIGHTNESS CHECK

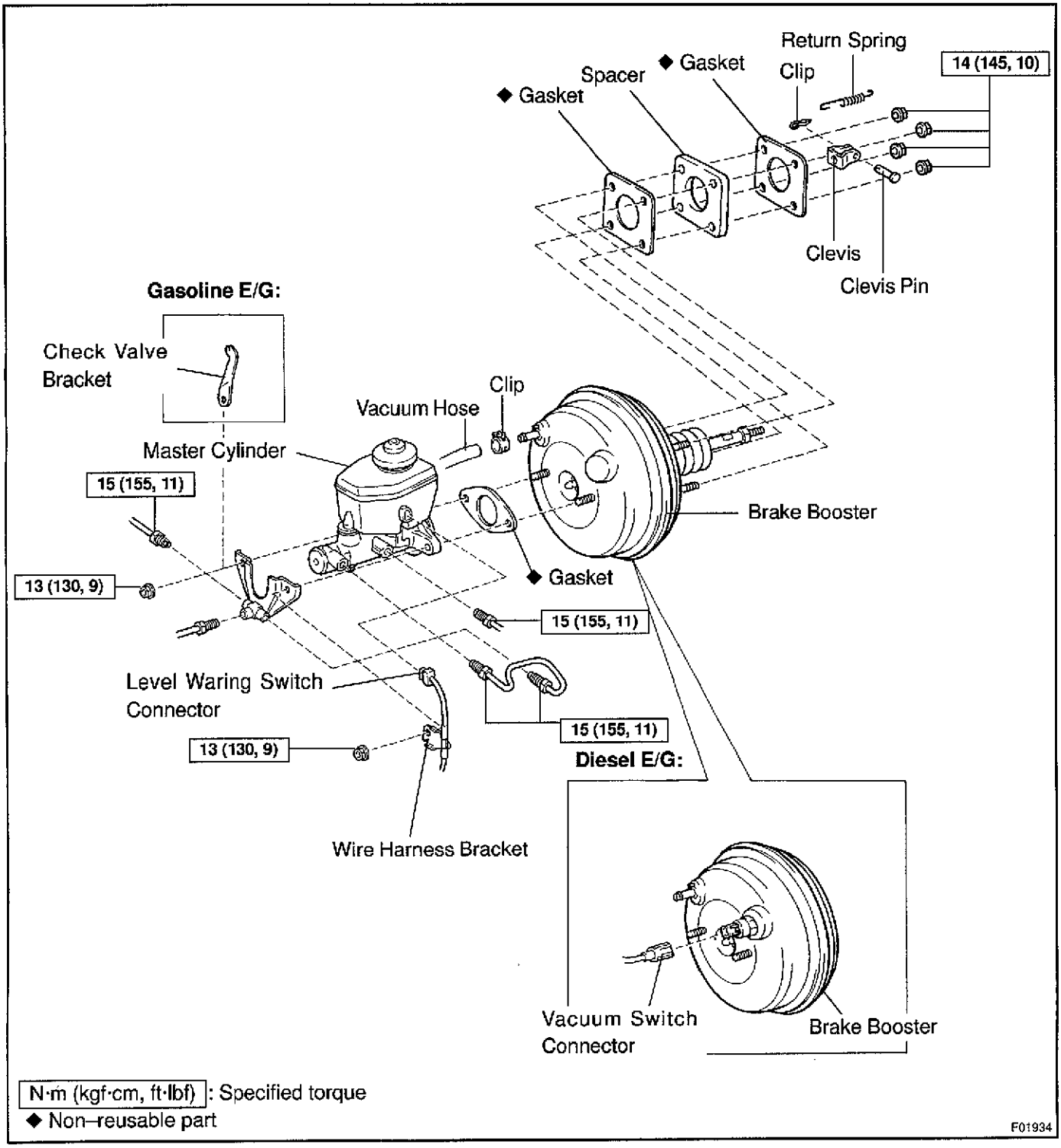
(a) Start the engine and stop it after 1 or 2 minutes. Depress the brake pedal several times slowly.

If the pedal goes down farthest the 1st time, but gradually rises after the 2nd or 3rd time, the booster is air–tight.

(b) Depress the brake pedal while the engine is running, and stop the engine with the pedal depressed. If there is no change in the pedal reserve travel after holding the pedal for 30 seconds, the booster is air–tight.

BR0ES–01

COMPONENTS



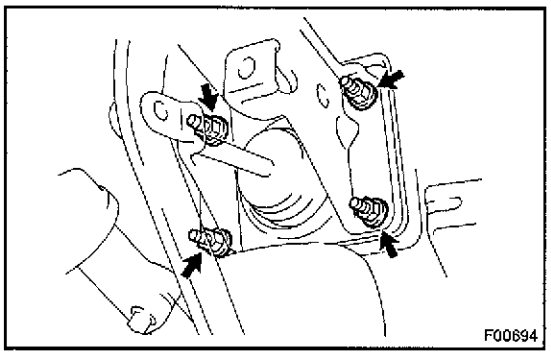
N·m (kgf·cm, ft·lbf) : Specified torque
◆ Non–reusable part

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BR0ET-01

REMOVAL

1. **REMOVE MASTER CYLINDER (See page BR–15)**
2. **DISCONNECT VACUUM HOSE FROM BRAKE BOOSTER**
3. **DIESEL ENGINE:**
   DISCONNECT VACUUM SWITCH CONNECTOR
4. **REMOVE THESE PARTS**
   - Return spring
   - Clip and clevis pin
   - Clevis



5. **REMOVE BRAKE BOOSTER**

(a) Remove the 4 installation nuts.

(b) Remove the booster, spacer and 2 gaskets.

BR0EU-01

INSTALLATION

1. INSTALL BRAKE BOOSTER

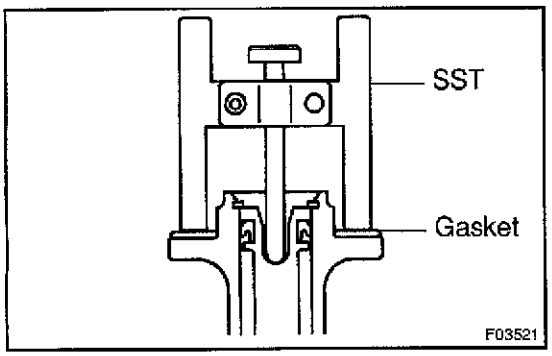
(a) Install the booster, spacer and 2 new gasket.

(b) Install the clevis to the operating rod.

(c) Install and torque the installation nuts.
Torque: 14 N·m (145 kgf·cm, 10 ft·lbf)

(d) Install the clevis pin into the clevis and brake pedal, and install the clip to the clevis pin.

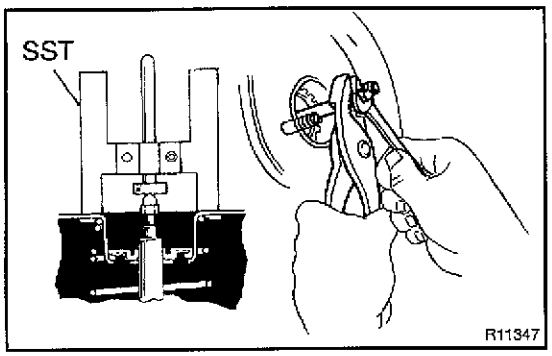
(e) Install the pedal return spring.



2. ADJUST LENGTH OF BOOSTER PUSH ROD

(a) Install a new gasket on the master cylinder.

(b) Set the SST on the gasket, and lower the pin until its tip slightly touches the piston.
SST 09737–00010



(c) Turn the SST upside down, and set it on the booster.
SST 09737–00010

(d) Measure the clearance between the booster push rod and pin head (SST).
Clearance: 0 mm (0 in.)

(e) Adjust the booster push rod length until the push rod lightly touches the pin head.

3. INSTALL MASTER CYLINDER (See page BR–20)

4. CONNECT VACUUM HOSE TO BRAKE BOOSTER

5. DIESEL ENGINE:
CONNECT VACUUM SWITCH CONNECTOR

6. FILL BRAKE RESERVOIR WITH BRAKE FLUID AND BLEED BRAKE SYSTEM (See page BR–4)

7. CHECK FOR FLUID LEAKAGE

8. CHECK AND ADJUST BRAKE PEDAL (See page BR–6)

9. DO OPERATION CHECK (See page BR–21)