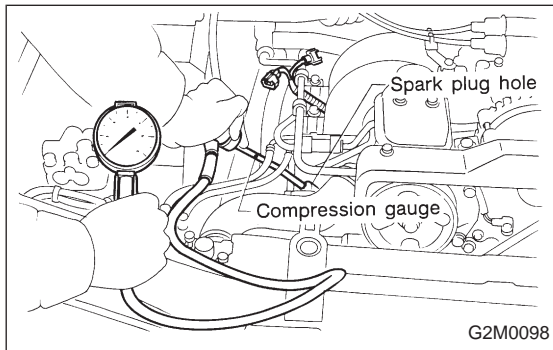


## 4. Engine Compression

### A: MEASUREMENT

#### 1. 2200 cc MODEL

- 1) After warming-up the engine, turn ignition switch to OFF.
- 2) Make sure that the battery is fully charged.
- 3) Remove all the spark plugs.
- 4) Disconnect connectors from fuel injectors.
- 5) Fully open throttle valve.
- 6) Check the starter motor for satisfactory performance and operation.



- 7) Hold the compression gauge tight against the spark plug hole.

#### CAUTION:

**When using a screw-in type compression gauge, the screw (put into cylinder head spark plug hole) should be less than 18 mm (0.71 in) long.**

- 8) Crank the engine by means of the starter motor, and read the maximum value on the gauge when the pointer is steady.

- 9) Perform at least two measurements per cylinder, and make sure that the values are correct.

**Compression (200 — 300 rpm and fully open throttle):**

#### **Standard**

**1,079 — 1,275 kPa**

**(11.0 — 13.0 kg/cm<sup>2</sup>, 156 — 185 psi)**

#### **Limit**

**883 kPa (9.0 kg/cm<sup>2</sup>, 128 psi)**

#### **Difference between cylinders**

**196 kPa (2.0 kg/cm<sup>2</sup>, 28 psi)**

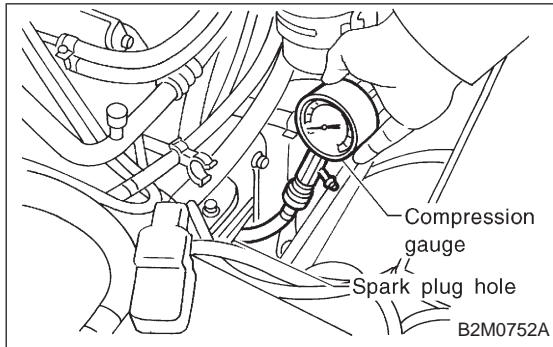
#### 2. 2500 cc MODEL

#### CAUTION:

**After warming-up, engine becomes very hot. Be careful not to burn yourself during measurement.**

- 1) After warming-up the engine, turn ignition switch to OFF.
- 2) Make sure that the battery is fully charged.
- 3) Remove all the spark plugs. <Ref. to 6-1 [W3D0], [W3E0].>
- 4) Disconnect connectors from fuel injectors.

- 5) Fully open throttle valve.
- 6) Check the starter motor for satisfactory performance and operation.



- 7) Hold the compression gauge tight against the spark plug hole.

**CAUTION:**

**When using a screw-in type compression gauge, the screw (put into cylinder head spark plug hole) should be less than 18 mm (0.71 in) long.**

- 8) Crank the engine by means of the starter motor, and read the maximum value on the gauge when the pointer is steady.

- 9) Perform at least two measurements per cylinder, and make sure that the values are correct.

**Compression (350 rpm and fully open throttle):****Standard****1,216 kPa****(12.4 kg/cm<sup>2</sup>, 176 psi)****Limit****941 kPa (9.6 kg/cm<sup>2</sup>, 137 psi)****Difference between cylinders****49 kPa (0.5 kg/cm<sup>2</sup>, 7 psi), or less**