

## 2. Compression

### A: INSPECTION

#### CAUTION:

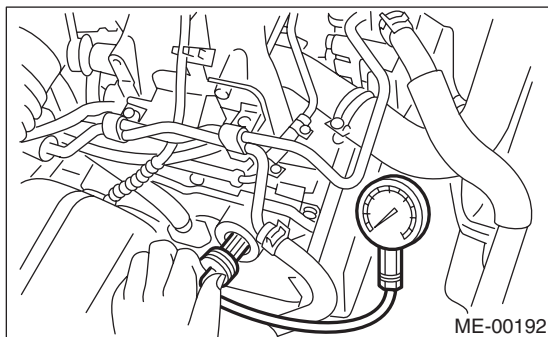
**After warming-up, engine becomes very hot. Be careful not to burn yourself during measurement.**

- 1) After warming-up the engine, turn the ignition switch to OFF.
- 2) Make sure that the battery is fully charged.
- 3) Release the fuel pressure.  
<Ref. to FU(H4SO)-45, RELEASING OF FUEL PRESSURE, PROCEDURE, Fuel.>
- 4) Remove all spark plugs. <Ref. to IG(H4SO)-4, REMOVAL, Spark Plug.>
- 5) Fully open the throttle valve.
- 6) Check the starter motor for satisfactory performance and operation.
- 7) Hold the compression gauge tightly against the spark plug hole.

#### NOTE:

When using a screw-in type compression gauge, the screw should be less than 18 mm (0.71 in) long.

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



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

#### **Compression (throttle full open):**

##### **Standard**

**1,020 — 1,275 kPa  
(10.4 — 13.0 kgf/cm<sup>2</sup>, 148 — 185 psi)**

##### **Service limit**

**1,020 kPa (10.4 kgf/cm<sup>2</sup>, 148 psi)**

##### **Difference between cylinders**

**49 kPa (0.5 kgf/cm<sup>2</sup>, 7 psi), or less**

- 10) After inspection, install the related parts in the reverse order of removal.