

## 2. Compression

### A: INSPECTION

#### CAUTION:

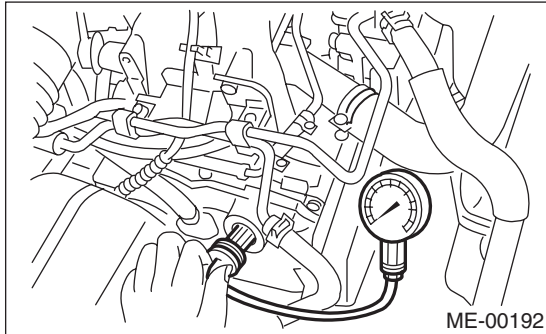
**After warming-up, engine becomes very hot. Be careful not to burn yourself during measurement.**

- 1) After warming-up the engine, turn the ignition switch to OFF.
- 2) Make sure that the battery is fully charged.
- 3) Lower the fuel pressure. <Ref. to FU(H4SO)-51, RELEASING OF FUEL PRESSURE, OPERATION, Fuel.>
- 4) Remove all the spark plugs. <Ref. to IG(H4SO)-5, REMOVAL, Spark Plug.>
- 5) Throttle valve should be wide open.
- 6) Check the starter motor for satisfactory performance and operation.
- 7) Hold the compression gauge tight against spark plug hole.

#### NOTE:

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

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



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

#### **Compression (350 rpm at wide open throttle):**

##### **Standard;**

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

##### **Limit;**

**1,079 kPa (11.0 kgf/cm<sup>2</sup>, 148 psi)**

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

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