

## 2. Compression

### A: INSPECTION

**CAUTION:**

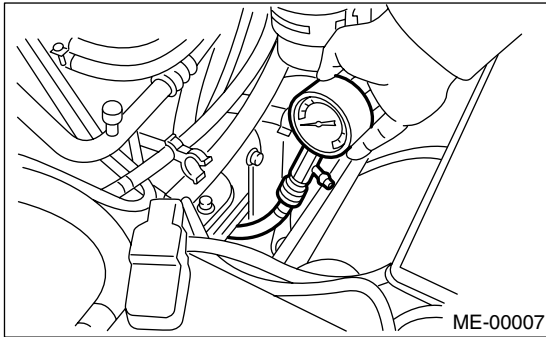
**After warming-up, engine becomes very hot. Be careful not to burn yourself during measurement.**

- 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(STi)-45, RELEASING OF FUEL PRESSURE, OPERATION, Fuel.>
- 4) Remove all the spark plugs. <Ref. to IG(STi)-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 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 less than 18 mm (0.71 in) long.

- 8) Crank the engine by means of starter motor, and then 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**

**981 — 1,177 kPa (10 — 12 kgf/cm<sup>2</sup>, 142 — 171 psi)**

**Limit**

**882 kPa (9.0 kgf/cm<sup>2</sup>, 128 psi)**

**Difference between cylinders**

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