

4. Engine Compression

A: MEASUREMENT

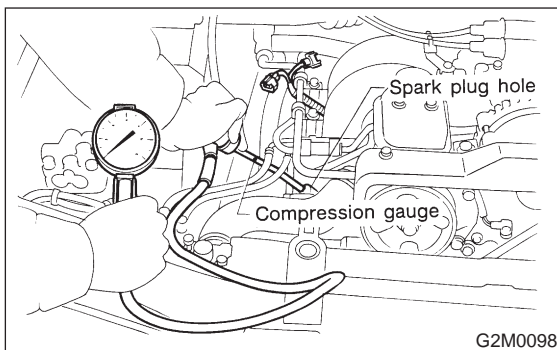
1. 2200 cc MODEL

- 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/cm²,
156 — 185 psi)

Limit;

883 kPa (9.0 kg/cm², 128 psi)

Difference between cylinders;

196 kPa (2.0 kg/cm², 28 psi)

2. 2500 cc MODEL

CAUTION:

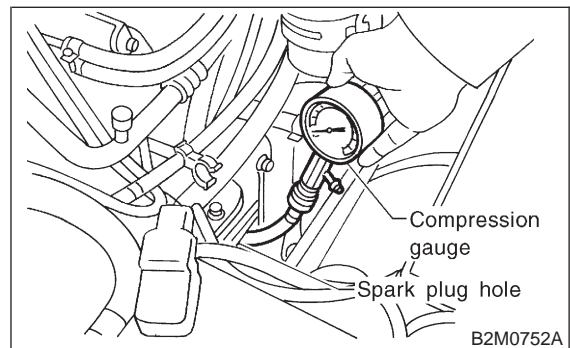
After warming-up, engine becomes very hot. Be careful not to burn yourself during measurement.

- 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 [W3B0].> and <Ref. to 6-1 [W3C0].>
- 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/cm², 176 psi)

Limit;

941 kPa (9.6 kg/cm², 137 psi)

Difference between cylinders;

49 kPa (0.5 kg/cm², 7 psi), or less