

4. Engine Compression

A: MEASUREMENT

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) Disconnect battery ground cable.
- 4) Remove all the spark plugs. <Ref. to 6-1 [W3A0].>
- 5) Disconnect connectors from fuel injectors.
- 6) Connect battery ground cable.
- 7) Fully open throttle valve.
- 8) Check the starter motor for satisfactory performance and operation.
- 9) 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.

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

- 11) 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

