

IGNITION SYSTEM (G.C.C. Countries)

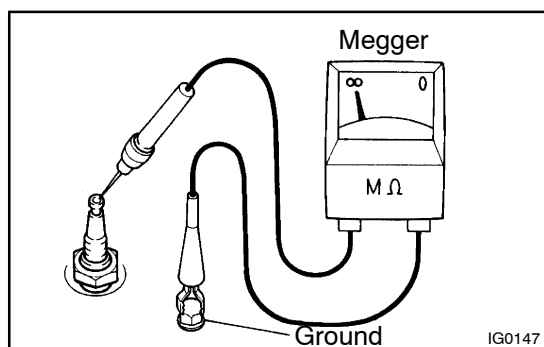
ON-VEHICLE INSPECTION

IG0K9-02

INSPECT SPARK PLUGS

NOTICE:

- **Never use a wire brush for cleaning.**
 - **Never attempt to adjust the electrode gap on used a spark plug.**
 - **spark plugs should be replaced every 100,000 km (60,000 miles).**
- (a) Remove the ignition coils and high-tension cord set assembly (See Pub. No. RM588E).



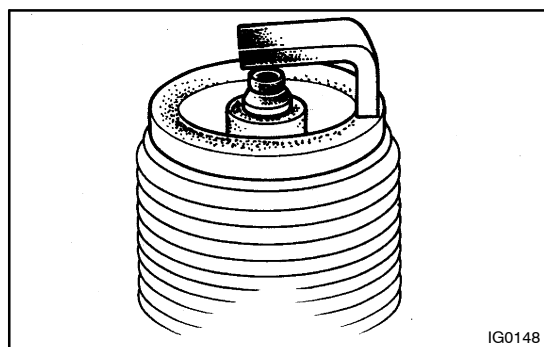
- (b) Inspect the electrode.
Using a megger (insulation resistance meter), measure the insulation resistance.

Standard correct insulation resistance:
10 MΩ or more

If the resistance is less than specified, proceed to step (d).

HINT:

If a megger is not available, the following simple method of inspection provides fairly accurate results.



Simple Method:

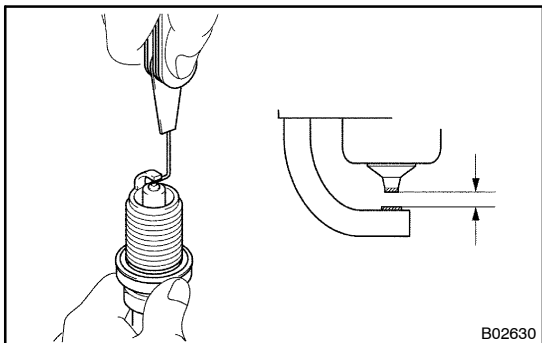
- Quickly race the engine 5 times to 4,000 rpm.
- Remove the spark plug. (See step c)
- Visually check the spark plug.
If the electrode is dry...OK
If the electrode is wet...Proceed to step (d)
- Reinstall the spark plug (See step g).

- (c) Using a 16 mm plug wrench, remove the 6 spark plugs.
(d) Visually check the spark plug for thread damage and insulator damage.

If abnormal, replace the spark plug.

Recommended spark plug:

DENSO made	SK16R-P11
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- (e) Inspect the electrode gap.

Maximum electrode gap for used spark plug:

1.2 mm (0.047 in.)

If the gap is greater than maximum, replace the spark plug.

Correct electrode gap for new spark plug:

1.1 mm (0.043 in.)

NOTICE:

If adjusting the gap of a new spark plug, bend only the base of the ground electrode. Do not touch the tip. Never attempt to adjust the gap on the used plug.



- (f) Clean the spark plugs.

If the electrode has traces of wet carbon, allow it to dry and then clean with a spark plug cleaner.

Air pressure: Below 588 kPa (6 kgf/cm², 85 psi)

Duration: 20 seconds or less

HINT:

If there are traces of oil, remove it with gasoline before using the spark plug cleaner.

- (g) Using a 16 mm plug wrench, reinstall the 6 spark plugs.

Torque: 18 N·m (180 kgf·cm, 13 ft·lbf)

- (h) Reinstall the ignition coils and high-tension cord set assembly (See Pub. No. RM588E).