

SPARK PLUGS

The spark plugs are a kind of lighter that ignites the compressed air-fuel mixture in the engine. This ignition moves the pistons and starts the engine. Thus, your spark plugs are very important parts for generating power to the engine, the heart of the vehicle.

Spark plugs must be able to endure high temperatures up to about 2,500°C (4,500 °F) and combustion gas pressure as high as 50 kg/cm² (700 lb/in²). In addition, they have to be able to withstand 20,000 to 30,000 volts in the cylinder.

Genuine Nissan Spark Plugs Feature:

Only spark plugs that satisfy Nissan's stringent quality standards after repeated testing are used in Nissan vehicles as genuine Nissan parts. These excellent genuine Nissan spark plugs provide you with the following advantages:

- Smooth starting and high engine performance at any speeds
- Superior acceleration during continued high-speed driving and when climbing hills
- Low fuel consumption
- Long service life

Terminal Nut:

Through the high tension cable connected here, high voltage electricity is transmitted from the distributor.

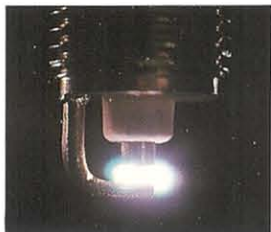
Insulator:

Superb alumina ceramics provide excellent heat conductivity to prevent overheating. Moreover, this insulator ensures superior thermal shock resistance against rapid heating and cooling.

Copper Core:

A copper electrode core is inserted deep inside the nickel tip for better thermal conductivity and heat dissipation. This protects against electrode wear and results in longer service life.

Ground Electrode:



Corrugation:

Five ribs protect against flashover.

Sealing Powder:

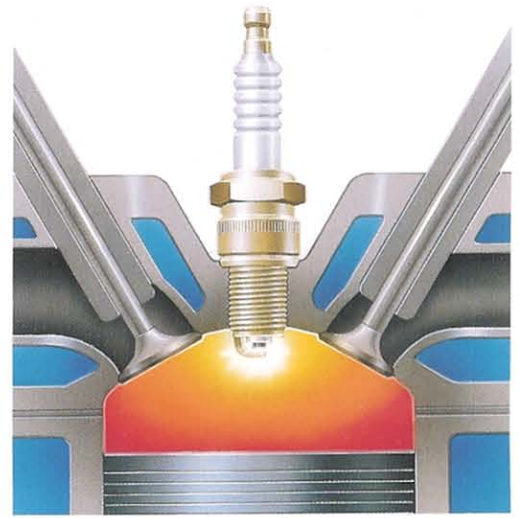
A special sealing powder prevents gas leakage under high pressure and high temperature condition.

Center Electrode:

A thick, anti-corrosive nickel alloy tip greatly resists overheating and extends spark plug life.

Spark gap:

Maintaining the appropriate gap is crucial for obtaining proper combustion.



ENGINE CROSS SECTION

How Genuine Nissan Spark Plugs Are Excellent.

Genuine Nissan spark plugs have a wide driving range. This feature is due mainly to the unique copper core in the center electrode. In addition to providing protection against overheating, it significantly lessens the likelihood of fouling. Inferior spark plugs cannot dissipate heat well. This causes early electrode wear.

Low ← VEHICLE SPEED → High		
<p>narrow driving range</p>	<p>Quick erosion, and pre-ignition.</p>	<p>Inferior hot-type plugs are likely to overheat in continued high-speed driving.</p>
<p>narrow driving range</p>	<p>Misfiring, and waste fuel.</p>	<p>Inferior cold-type plugs are likely to cause fouling in continued low-speed driving.</p>
<p>WIDE DRIVING RANGE</p>		<p>Genuine Nissan spark plugs give excellent performance and long life in hot or cold engines.</p>

Genuine Nissan Spark Plugs Can Maximize the Performance of Your Nissan Engine.

REPLACE YOUR SPARK PLUGS PERIODICALLY

Even when the spark plugs are used correctly, their lives are limited because of the extreme conditions in which they operate.

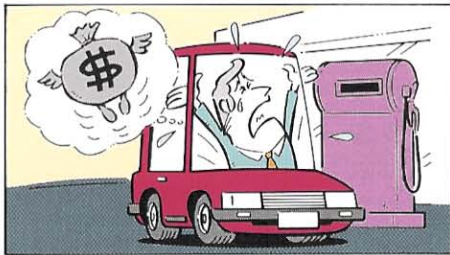
As spark plugs near the end of their service life, they can cause the following problems:

For greater driving satisfaction, replacing your spark plugs with new ones periodically is recommended. Please refer to the periodic maintenance schedule in your Owner's Manual.

- *Poor starting.*



- *High fuel consumption.*



- *Poor acceleration during continued high-speed driving or when climbing hills.*



GENUINE NISSAN SPARK PLUGS