V-POWER®

V-Power® spark plugs are named for their specially designed v-groove center electrode to improve ignitability. Tested to the highest original equipment standards, these plugs are crucial for vehicle maintenance.

The NGK Difference

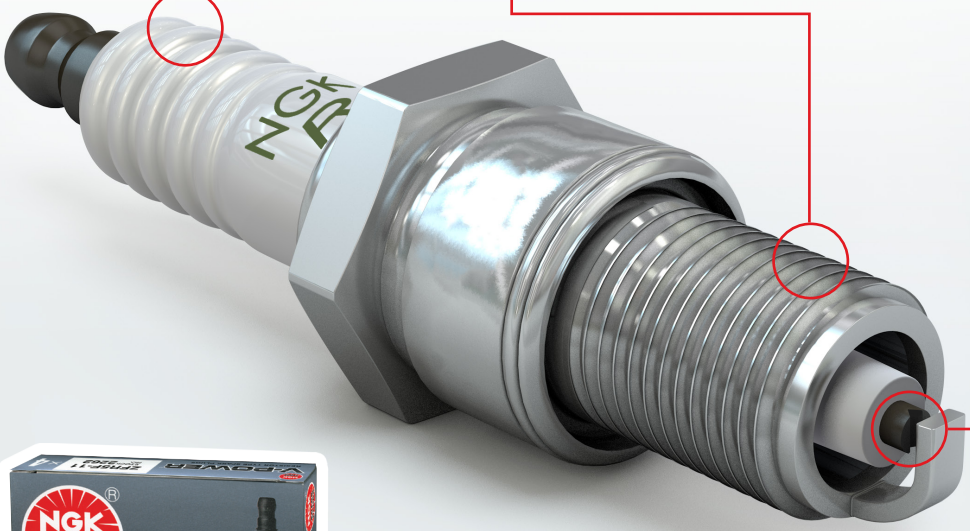
High-grade alumina silicate ceramic
Creates a stronger insulator to reduce dielectric punch-through (caused by spark exiting through side of ceramic)

Cold-rolled threads
Prevents cross-threading and damage to cylinder heads

98% pure copper core
Increased heat dissipation for reliable starts, prevents spark plug overheating *(see Illustration A)*

Trivalent plating
No anti-seize required

90° V-Groove center electrode
Allows the spark to occur closer to the outside of both the center and ground electrodes for better flame expansion; reduces quenching and improves ignitability *(see Illustration B)*



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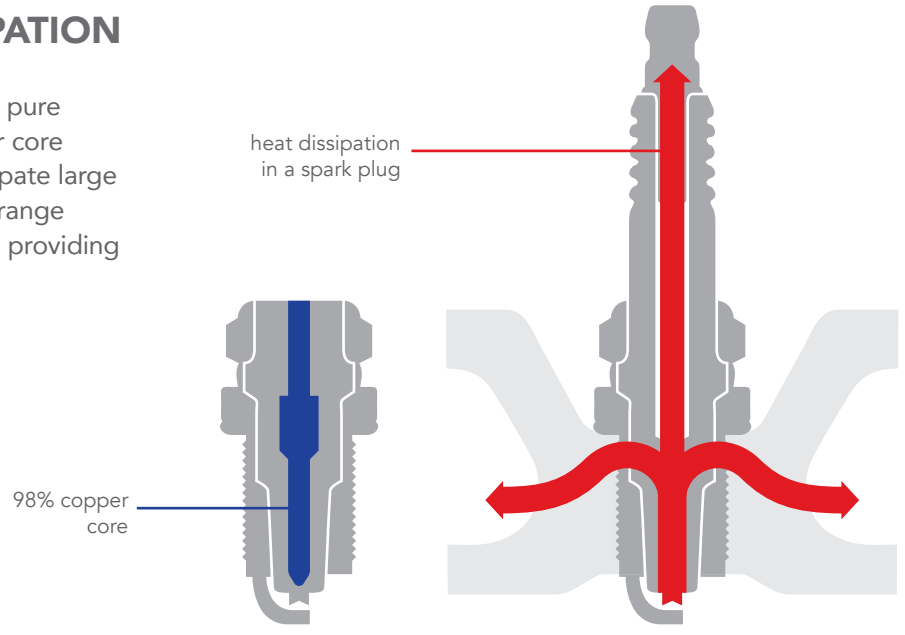
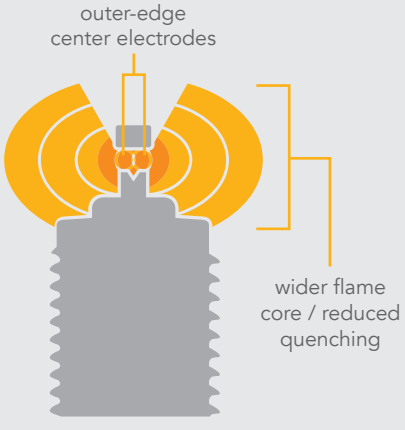
THE IGNITION SPECIALIST™

INCREASED HEAT DISSIPATION

Illustration A

The combination of NGK's high-grade pure alumina ceramic and 98% pure copper core enables the spark plug to quickly dissipate large amounts of heat. This ultra-wide heat range prevents spark plug overheating while providing reliable starts.





HIGHER IGNITABILITY

Illustration B

The quenching effect is where the cooler center and ground electrodes drain the energy of the flame core by way of heat transfer. If quenching is severe, the flame core can be extinguished, causing ignition to fail. NGK V-Power® spark plugs are designed to reduce the quenching effect resulting in better ignition performance.

TESTING & MANUFACTURING

All NGK spark plugs must pass extensive testing procedures and quality checks to ensure fit and performance.

- **Mechanical vibration testing**
- **Thermal shock testing to -40°F**
- **Tightest resistor manufacturing process in the industry**
- **Manufacturing in our ISO 11565 certified manufacturing facility**
- **Gap measurement with laser precision throughout production process**

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NGK SPARK PLUGS

SS-0817-SPVP1