



*THE IGNITION SPECIALIST™*

# POWER SPORTS

SPARK PLUGS / RESISTOR CAPS  
RACING CABLES / SPLICER



With over 50 years of expertise, NGK Spark Plugs (U.S.A.), Inc.'s family of products are driven by perfection.

**Known for OE legacy, NGK Spark Plugs is at the forefront of durability and performance.**



# SPARK PLUGS



NGK is the largest OE supplier and manufacturer of spark plugs. As the leading supplier of OE spark plugs for power sports applications, NGK is trusted by OEMs to keep equipment running at superior performance levels.

## 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

### Trivalent plating

No anti-seize required

### 98% pure copper core

Increased heat dissipation for reliable starts, prevents spark plug overheating (see illustration A on following page)

### Special ground electrode designs

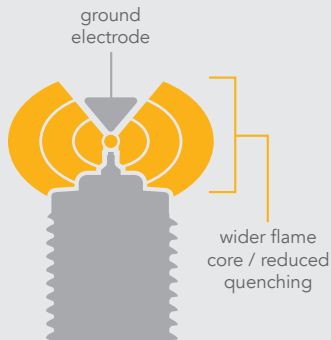
Higher ignitability, reduced quenching (see illustration B on following page)



## INCREASED HEAT DISSIPATION

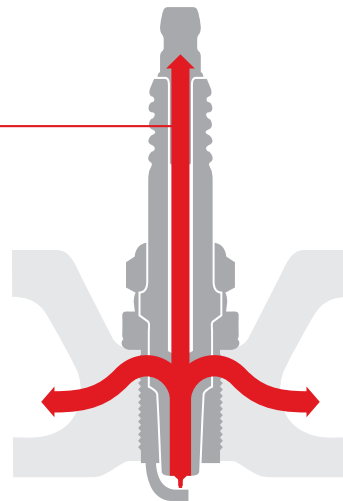
*Illustration A*

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.



98% copper core

heat dissipation in a spark plug



## 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 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 to prevent water splash damage
- Tightest resistor manufacturing process in the industry
- Manufactured in our ISO 11565 certified manufacturing facility
- Gap measured with laser precision throughout production process
- Precise 360° welding of ground electrodes to ensure accurate positioning\*

## SPARK PLUG MAINTENANCE

Changing spark plugs regularly helps to ensure more ride time and less repair time. Regular plug replacement prevents fouling and provides the optimal engine performance.

### Reasons to replace spark plugs more often:



**optimal  
performance**



**quicker starts**



**less fouling**



**better fuel  
efficiency**



**less down time**



**MORE RIDE  
TIME**

# RESISTOR CAPS



NGK offers resistor caps for a wide variety of applications. Many different features are offered to meet the specific demands of each application including: multiple angles and lengths, different thread diameters, resistor or non-resistor and terminal nut or stud style.

## The NGK Difference

### High strength phenolic resin or rubber/silicone shell

High dielectric strength to reduce voltage leakage or punch-through

### Brass or stainless steel tips

Maximizes energy transfer, prevents rust and promotes longevity

### Water-resistant silicone/rubber cap

Provides heat protection from engine

### Ceramic resistor

Prevents RFI interference



# RACING CABLES



NGK racing cables come in 50cm and 100cm lengths and may be trimmed to fit specific applications. NGK cables are connected on one side with NGK resistor caps in either straight or 90° configurations. The non-terminated end of the cable will also fit NGK resistor caps for the best fit and performance.



## The NGK Difference

### 98% pure copper cables

Maximizes electrical conductivity

### High strength phenolic resin shell

High dielectric strength to reduce voltage leakage or punch-through

### Silicone jacket

Withstands temperatures up to 482° F

### 5k Ohm ceramic resistor

Prevents RFI interference



## SPLICER

NGK's water resistant J1 splicer is designed to withstand high temperatures, vibration, and voltage leakage. The splicer is designed to simply twist together for an economical approach to integrating wire and coil. This allows replacement of just the wire instead of wire and coil. J1 splicer is designed to fit a 7mm wire.



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