



*THE IGNITION SPECIALIST™*



# POWER EQUIPMENT

SPARK PLUGS / GLOW PLUGS





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's high quality internal resistor keeps engines running efficiently with less wear to the ignition system. Premium NGK components ensure better engine reliability. With proper maintenance, an engine with NGK spark plugs will be more cost-effective long term.

## 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 on following page)

### Trivalent plating

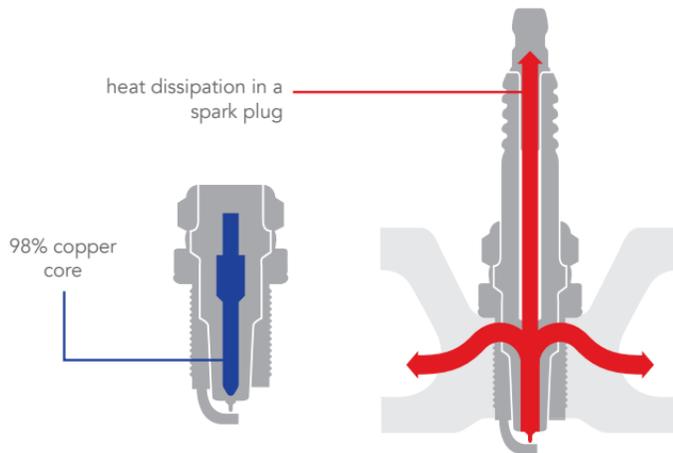
No anti-seize required



## 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.



## TESTING & MANUFACTURING

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

- **Mechanical vibration testing**
- **Tightest resistor manufacturing process in the industry**
- **Manufactured in our ISO 11565 certified manufacturing facility**
- **Gap measured with laser precision throughout production process**



# CROSS REFERENCES\* CHAMPION

| Champion Part # | NGK Part #               | NGK Stock # | NGK Blister Part #       | NGK Blister Stock # |
|-----------------|--------------------------|-------------|--------------------------|---------------------|
| 948             | DCPR6E                   | 3481        | DCPR6E                   | 96530               |
| CJ6             | BM7A                     | 6521        | BM7A                     | 6746                |
| DJ7Y            | BPM6F                    | 5950        | BPM6F                    | 6753                |
| DJ8Y            | BM6F                     | 6221        | BM6F                     | 6720                |
| J19LM           | BR2-LM                   | 3841        | BR2-LM                   | 6787                |
| QC12YC          | BKR5E                    | 7938        | BKR5E                    | 6719                |
| RA10HC          | DCPR6E                   | 3481        | DCPR6E                   | 96530               |
| RA8GHC          | DCPR6E                   | 3481        | DCPR6E                   | 96530               |
| RC12YC          | BKR5E                    | 7938        | BKR5E                    | 6719                |
| RCJ6            | BPMR7A                   | 4626        | BPMR7A                   | 6761                |
| RCJ6Y           | BPMR8Y                   | 2218        | BPMR8Y                   | 6763                |
| RCJ7Y           | BPMR7A                   | 4626        | BPMR7A                   | 6761                |
| RCJ8            | BMR6A                    | 7421        | BMR6A                    | 6749                |
| RCJ8Y           | BPMR6Y                   | 5414        | BPMR6A                   | 6759                |
| RDJ7J           | BM6F                     | 6221        | BM6F                     | 6720                |
| RDJ8Y           | BPMR6A                   | 6726        | BPMR6A                   | 6759                |
| RJ19HX          | BR2-LM<br>(Gap to .020") | 5798        | BR2-LM<br>(Gap to .020") | 6787                |
| RJ19LM          | BR2-LM                   | 5798        | BR2-LM                   | 6787                |
| RJ19LMC         | BR2-LM<br>(Gap to .020") | 5798        | BR2-LM<br>(Gap to .020") | 6787                |

| Champion Part # | NGK Part #               | NGK Stock # | NGK Blister Part #       | NGK Blister Stock # |
|-----------------|--------------------------|-------------|--------------------------|---------------------|
| RJ2YLE          | BR2-LM<br>(Gap to .020") | 5798        | BR2-LM<br>(Gap to .020") | 6787                |
| RJ2YXLE         | BR2-LM<br>(Gap to .020") | 5798        | BR2-LM<br>(Gap to .020") | 6787                |
| RL82C           | BR7HS                    | 4122        | BR7HS                    | 1445                |
| RN11YC          | BPR5ES                   | 7734        | BPR5ES                   | 6773                |
| RN3C            | BR8ES                    | 5422        | BR8ES<br>(solid)         | 1463                |
| RY4C            | CMR7A                    | 7543        | CMR7A                    | 6784                |
| RZ7C            | CMR6H                    | 3365        | CMR6H                    | 6778                |
| RZ7C            | CMR7H                    | 3066        | CMR7H                    | 6785                |
| XC12YC          | BKR5E                    | 7938        | BKR5E                    | 6719                |
| Z9Y             | CR5HSB                   | 6535        | CR5HSB                   | 6786                |

\*Note: This cross chart is for reference only. Please check specific vehicle application and owner's manual. Due to differences in design and material, plugs in cross reference section are not exactly alike.

# CROSS REFERENCES\* BOSCH / TORCH

| Bosch Part # | NGK Part #     | NGK Stock # |
|--------------|----------------|-------------|
| USR7AC       | CMR5H          | 7599        |
| WR7AC+       | B6HS           | 7534        |
| WR7BC+       | BPR6HS         | 7022        |
| WS7F         | BPMR7A (solid) | 6703        |
| WS8E         | BM6A (solid)   | 6021        |
| WSR6F        | BPMR7A (solid) | 6703        |

| Torch Part # | NGK Part #     | NGK Stock # | NGK Blister Part # | NGK Blister Stock # |
|--------------|----------------|-------------|--------------------|---------------------|
| AC7R         | CMR7H          | 3066        | CMR7H              | 6785                |
| D5RTC        | DCPR6E         | 3481        | DCPR6E             | 96530               |
| DJ7Y         | BPM6F          | 5950        | BPM6F              | 6753                |
| DJ8J         | BM6F           | 6221        | BM6F               | 6720                |
| E6C          | BR6HS          | 3922        | BR6HS              | 1507                |
| E6RC         | BR6HS          | 3922        | BR6HS              | 1507                |
| F5RF         | BPR5EY         | 1233        | BPR5ES             | 6773                |
| F5RTC        | BPR5ES (solid) | 4006        | BPR5ES             | 6773                |
| F5TC         | BP5ES (solid)  | 2140        | BPR5ES             | 6773                |
| F5TC         | BP5ES          | 7832        | BPR5ES             | 6773                |

| Torch Part # | NGK Part #     | NGK Stock # | NGK Blister Part # | NGK Blister Stock # |
|--------------|----------------|-------------|--------------------|---------------------|
| F6REC4       | BPR6ES (solid) | 4008        | BPR6ES             | 6775                |
| F6RF         | BPR6EY         | 2489        | BPR6ES             | 6775                |
| F6RTC        | BPR6ES (solid) | 4008        | BPR6ES             | 6775                |
| F6TC         | BP6ES (solid)  | 4007        | BPR6ES             | 6775                |
| L6RC         | BMR6A          | 7421        | BMR6A              | 6749                |
| L6RTC        | BPM6A          | 7021        | BPMR6A             | 6759                |
| L6RTC        | BPMR6A         | 6726        | BPMR6A             | 6759                |
| L6TC         | BPM6A          | 7021        | BPMR6A             | 6759                |
| L7RTC        | BPMR7A         | 4626        | BPMR7A             | 6761                |
| L7TC         | BPM7A          | 7321        | BPMR7A             | 6761                |
| L8RTC        | BPMR8Y         | 2218        | BPMR8Y             | 6763                |
| L8RTF        | BPMR8Y         | 2218        | BPMR8Y             | 6763                |
| N6C          | BM6F           | 6221        | BM6F               | 6720                |
| N6TC         | BPM6F          | 5950        | BPM6F              | 6753                |

\*Note: This cross chart is for reference only. Please check specific vehicle application and owner's manual. Due to differences in design and material, plugs in cross reference section are not exactly alike.

# GLOW PLUGS

NGK product engineers collaborate closely with original equipment manufacturers to design glow plugs to specifically fit each individual application.

## The NGK Difference

### Quality metal heating coils

Provides after-glow and quicker, heat-up times at cold starts  
(see *Illustration B* below)

### Inconel alloy metal

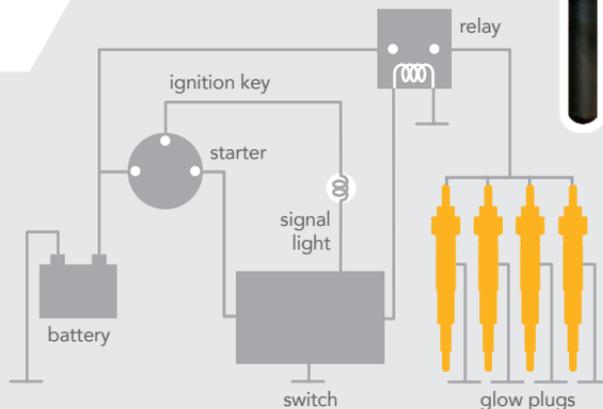
Withstands up to 900° F heat-up temperatures



## THE "AFTER-GLOW" PRINCIPLE

*Illustration B*

After-glow helps to keep the combustion chamber at a constant temperature until the engine has reached operating temperature. Without it, there would be a considerable amount of toxic emissions and white and blue smoke from the exhaust. The engine would not run smoothly either, displaying the characteristic of cold-start knocking.





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