MADE TO STAND THE TEST OF TIME™

BLUE STREAK by STANDARD
LIMITED LIFETIME WARRANTY

Backed by our
LIMITED LIFETIME WARRANTY
StandardBlueStreak.com

SMP 100
1919 A CENTURY OF EXCELLENCE™ 2019

THE BLUE STREAK LEGACY: A REPUTATION OF EXCELLENCE

Made to stand the test of time, Blue Streak® by Standard® has always been known for quality and durability. For proof, we surveyed automotive service professionals on how to best describe Blue Streak® by Standard. Here's what we found:

7 out of 10 automotive professionals surveyed equate Blue Streak with "Quality," "Durability" and "Premium"

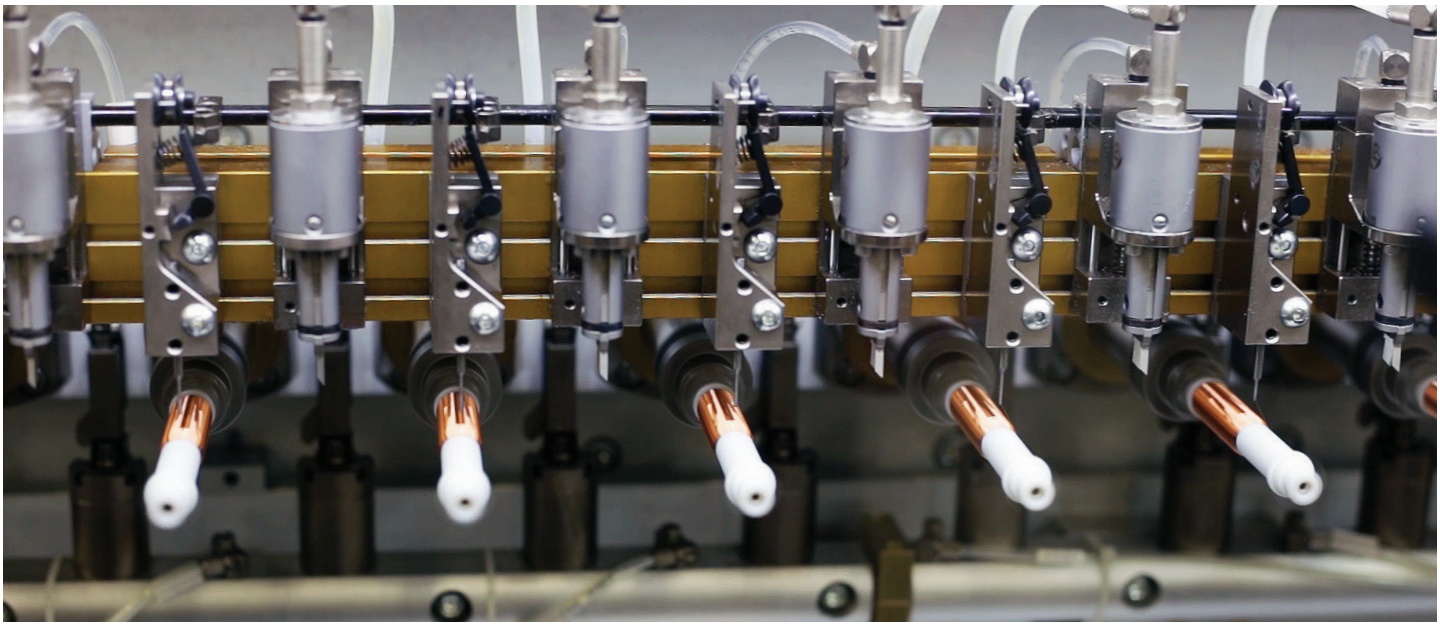
BLUE STREAK TODAY: STRONGER THAN EVER

Building on our rich history of quality and durability, we're proud to say that Blue Streak is stronger than ever. Our Blue Streak® program includes our original Blue Streak® products such as points, condensers, caps, and rotors, as well as our new heavier-duty, longer lasting coils that are engineered and manufactured at our ISO/TS16949 and ISO14000-certified facility in Bialystok, Poland.

Backed by our LIMITED LIFETIME WARRANTY

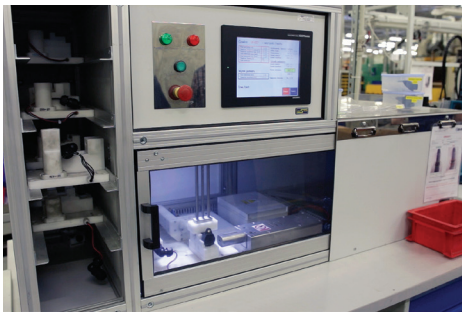
We are so confident in the durability of our Blue Streak® by Standard® products, that we've backed every part with our Limited Lifetime Warranty.

BLUE STREAK by STANDARD
LIMITED LIFETIME WARRANTY



BASIC MANUFACTURING AT OUR STATE-OF-THE-ART FACILITY

Our ISO/TS16949 and ISO14000-certified facility in Bialystok, Poland, is dedicated to the highest quality manufacturing. Spanning 105,000 square feet, the facility serves as a basic design and engineering center for our Blue Streak® ignition coils. The facility employs lean manufacturing methods such as the 5S philosophy and features a vertically integrated manufacturing process with multi-spindle winding, injection molding, potting, curing, and welding. At the end of the day, the parts that leave our SMP Poland facility are manufactured for superior performance and durability.



End-of-life testing confirms polarity and continuity to ensure superior function

Semi-automatic bobbin winding speeds up the process

All Blue Streak® ignition coils are laser etched with the Blue Streak® logo

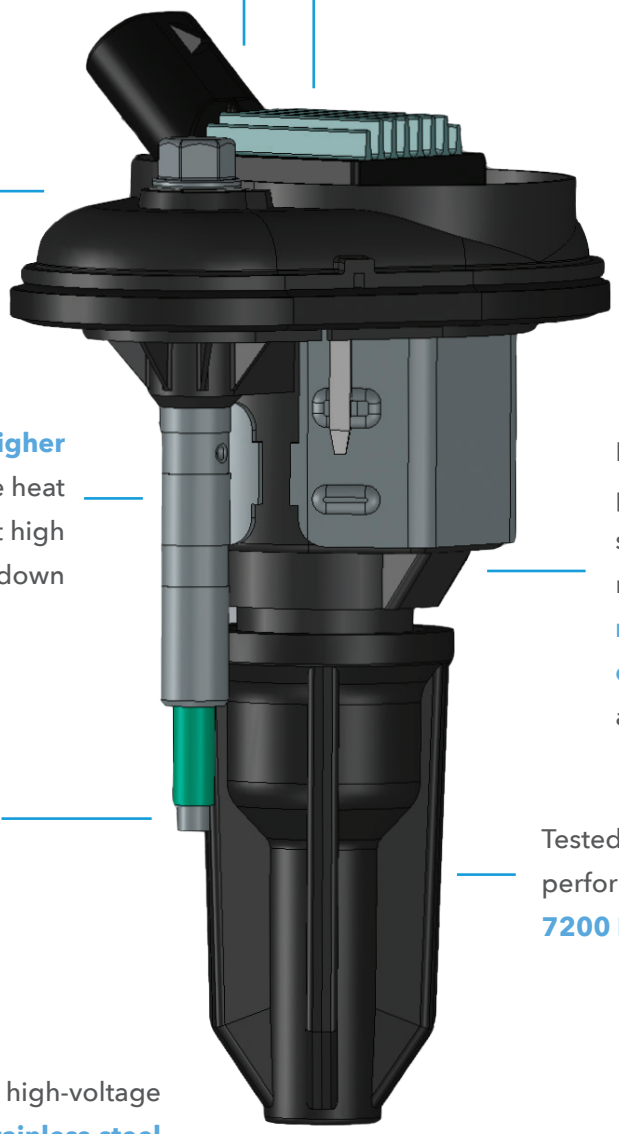
HEAVIER-DUTY IGNITION COILS

Blue Streak® by Standard's new heavier-duty ignition coils are the product of superior design, manufacturing, and testing. For example, take our UF303, one of the many new heavier-duty ignition coils in our line:

Advanced thermoplastic coil connector ensures proper connection and resists fractures caused by heat and thermal cycling

Primary (23 gauge) and Secondary (43 gauge) copper wire ensure high-voltage availability for peak performance while **reinforced bobbins** prevent voltage flashover for extended service life

Optimum wire distribution developed by extensive testing ensures superior functional parameters and durability



High-impact housing material ensures superior bond to epoxy for longer life in all operating conditions

Copper wires using **higher insulation grade** ensure heat resistance and prevent high voltage breakdown

Internal, neodymium permanent magnet core surrounded by grain-oriented, magnetic-laminated steel **maximizes high-voltage output** at all engine RPMs and loads

Isolator manufactured using **high voltage-resistant thermoplastics** to prevent premature coil failure

Tested at extreme engine performance condition at **7200 RPM**

High-temp boot prevents high-voltage leaks, while **stainless-steel spring** with internal ferrite noise suppressor prevents radiofrequency interference (RFI)

Engineered and tested to **match or exceed OE** for spark energy output, impedance, and durability

BLUE STREAK OUTPERFORMS THE OE

All products manufactured at our SMP Poland facility undergo extensive measurement and life testing, in addition to a full range of environmental analysis that includes thermal shocks, thermal cycling, and vibration tests, just to name a few. To see what goes into our ignition coil testing, take a look at this competitor comparison between our UF303 and the OE:

OE COMPARISON ANALYSIS

	TEST STAGES			
	Stage 1: 300-Hour Life Test	Stage 2: 100 Thermal cycles	Stage 3: 24-Hour Life Test (with high parameters)	Stage 4: 10 Additional Thermal Shocks
UF303	PASSED	PASSED	PASSED	PASSED
OE	FAILED			

TESTING TAKEAWAYS

- The two OE coils tested short circuited after 68 hours and 140 hours, respectively
- The two Blue Streak coils tested passed the 300-hour life test as well as 100 thermal cycles, a 24-hour life test, and 10 thermal shocks
- Compared to the OE, Blue Streak coils have 9% higher spark energy and 18% higher secondary voltage, which leads to better combustion of fuel mixture and reduced exhaust gas discharge

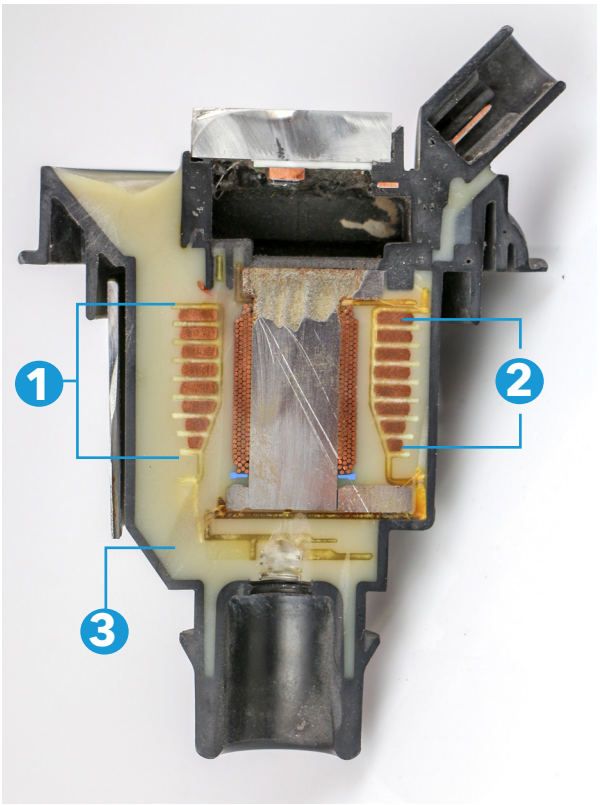
> *"As testing shows, we've designed our Blue Streak Ignition Coils for superior performance and durability under the harshest conditions."*

Tomasz Michalik
Technical Director – SMP Bialystok, Poland

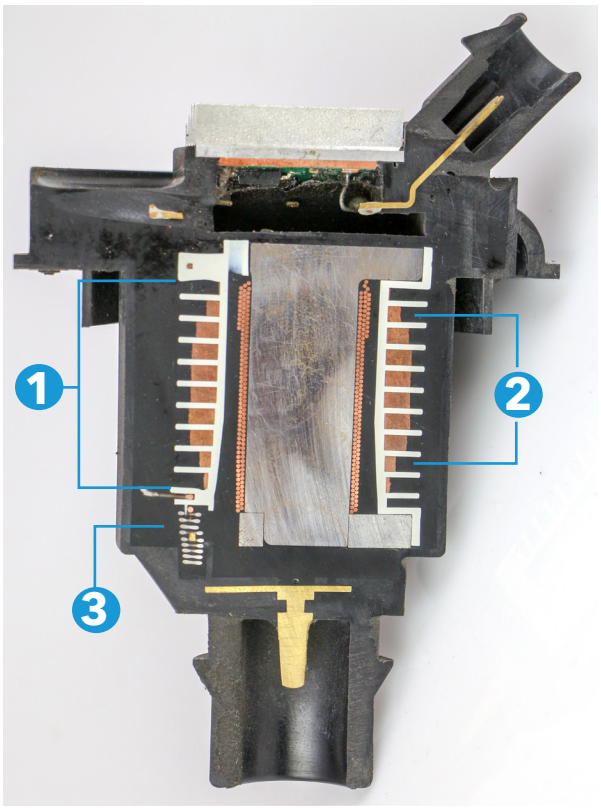
BLUE STREAK VS OE COIL COMPARISON

To see what makes our Blue Streak® ignition coils superior, we conducted a visual cutaway comparison against the OE. Here's what we found:

OE



BLUE STREAK UF303



Note: OE coil pin fell out during cutting.

1 **OE:** 8 primary winding sections.

Blue Streak: With 10 primary winding sections, our design reduces the height of each section's winding to decrease the risk of breakage between sections.

2 **OE:** Uneven number of winding turns.

Blue Streak: Our barrel winding distribution precisely reduces the number of turns in the first and last two sections to reduce the voltage gradient. When combined with our higher G2 insulation grade, our winding distribution lowers the risk of breakage within the winding.

3 **OE:** Potted using "yellow" epoxy system.

Blue Streak: When compared to common "amber/yellow" epoxy systems, our "black" epoxy system features nearly 40% higher insulation resistance to voltage breakdown.

Visit **StandardBlueStreak.com**
or scan the QR code for more info.