

BLUE STREAK® BRAND

Highlights

1

Blue Streak® gives technicians more — more durability over the OE design and more parts in the box to do the job right

2

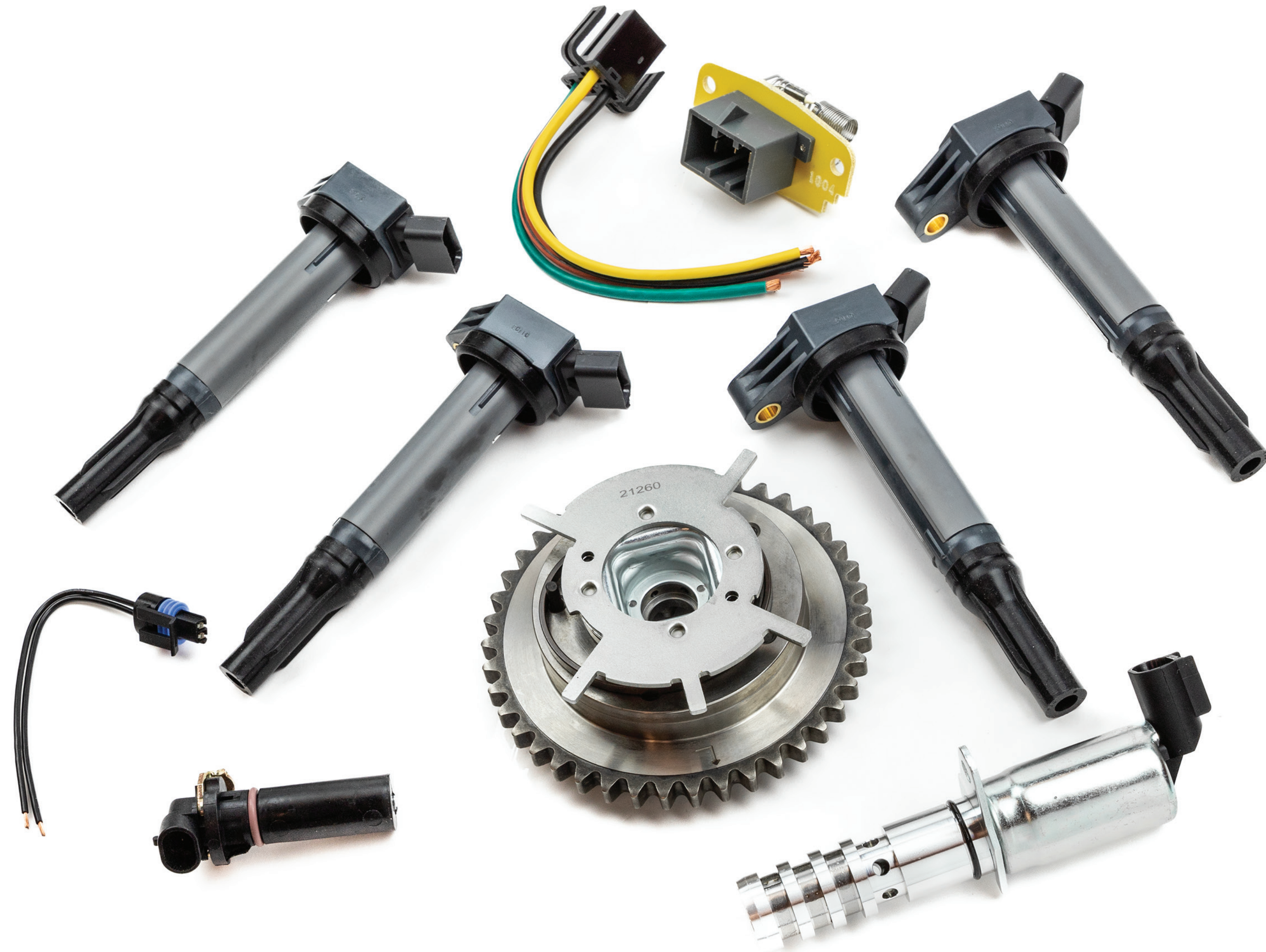
Blue Streak® delivers complete service solution kits, including Variable Valve Timing Kits, Blower Motor Resistor Kits, and Cam Sensor Kits

3

All Blue Streak® parts are backed by our Limited Lifetime Warranty



What's in your box?™



Made to stand the test of time®

StandardBlueStreak.com

The Blue Streak® Story

Made to stand the test of time, Blue Streak® by Standard® has always been known for quality and durability. Now, nearly 90 years young, the Blue Streak® brand is still the benchmark against which all other aftermarket brands are measured.



We're so confident in the durability of our Blue Streak® products, we've backed every part with our Limited Lifetime Warranty



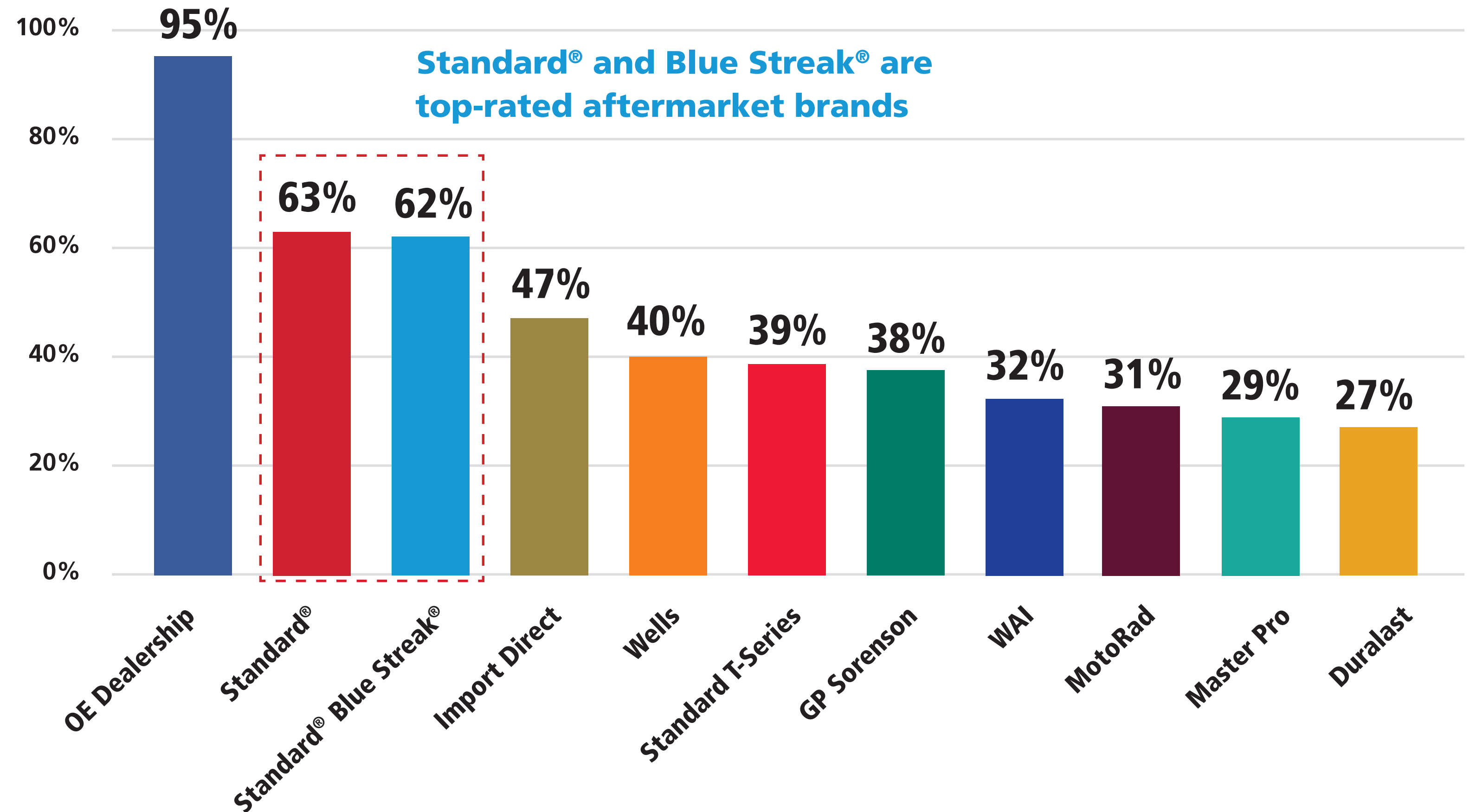
We're so proud of our quality, we laser etch all Blue Streak® Ignition Coils with the prestigious Blue Streak® logo



Brand Preference

The professional automotive technicians' choice since 1934, techs today still consider Standard® Blue Streak® their top-rated aftermarket brand, unsurpassed for quality, performance and service life.

Technician Brand Quality Survey



Source: Online Survey, Auto Service Professional, February 2021



Made to stand the test of time®

StandardBlueStreak.com

Key Categories

Today's Blue Streak® program includes our legacy products, Heavier-Duty Ignition Coils, enhanced VVT components, Blower Motor Resistor Kits with a problem-solving high-temp connector – and we've recently added several new solution kit categories with more to come.



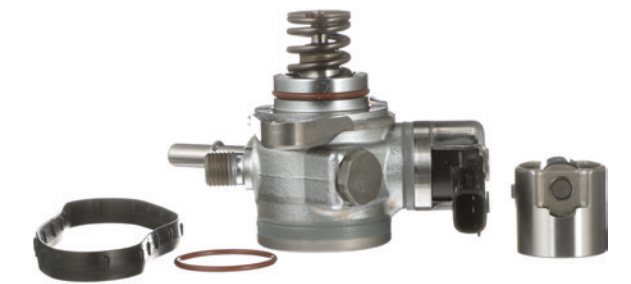
Heavier-Duty Ignition Coils

Heavier-Duty Coils that overcome the OE flaws for better performance and longer service life – import and domestic



Heavier-Duty Coil Kits

Popular Ignition Coils are available in multi-packs for a complete coil service – import and domestic



Direct Injection High-Pressure Fuel Pump Kits

Kits include everything needed for a complete repair — high-pressure fuel pump, seal, camshaft follower, and gasket



VVT Solenoids & Sprockets

VVT Solenoids and Sprockets feature design improvements to deliver superior operation



VVT Solenoid Kits

Kit includes two new premium Solenoids with quality O-rings and gaskets to help prevent oil leaks



VVT Service Kits

Everything needed for a complete job – solenoids, sprockets, timing chain, guide, tensioner, arm, seals, crankshaft wheel, and gaskets



Blower Motor Resistor Kits

Direct-fit Blower Motor Resistor and problem-solving hi-temp connector that withstands extreme temperatures



Camshaft Sensor Kits

Kits include premium Cam Sensors along with needed connectors to replace worn or damaged originals



Crankshaft Sensor Kits

Kits include high-quality Crankshaft Sensor and a direct-replacement connector for a complete repair solution



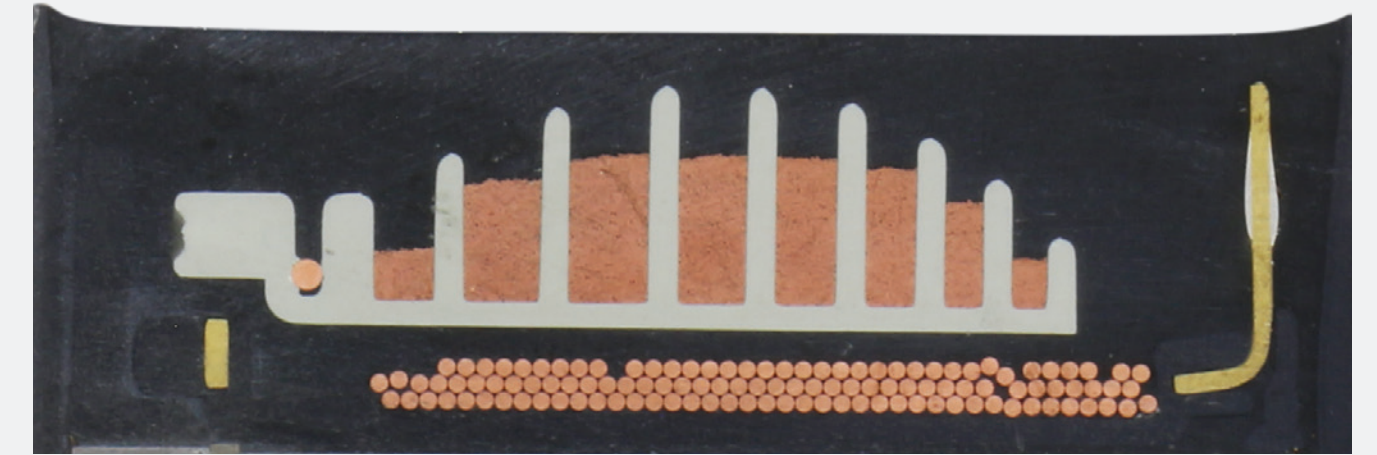
Sales Opportunity

Our engineers discovered that too much energy was passing through each section of the OE coil, creating too much heat, and causing premature coil failure. They designed a Coil with an additional bobbin section, resulting in less heat and a longer service life. The updated Blue Streak® Coils outperform and outlast the OE design.

Blue Streak® multi-packs make it easier for technicians to solve a known problem once and for all.

Problem:

Ignition coils on 2020-02 Nissan & Infiniti 3.5L V6s are susceptible to premature failure due to excessive heat



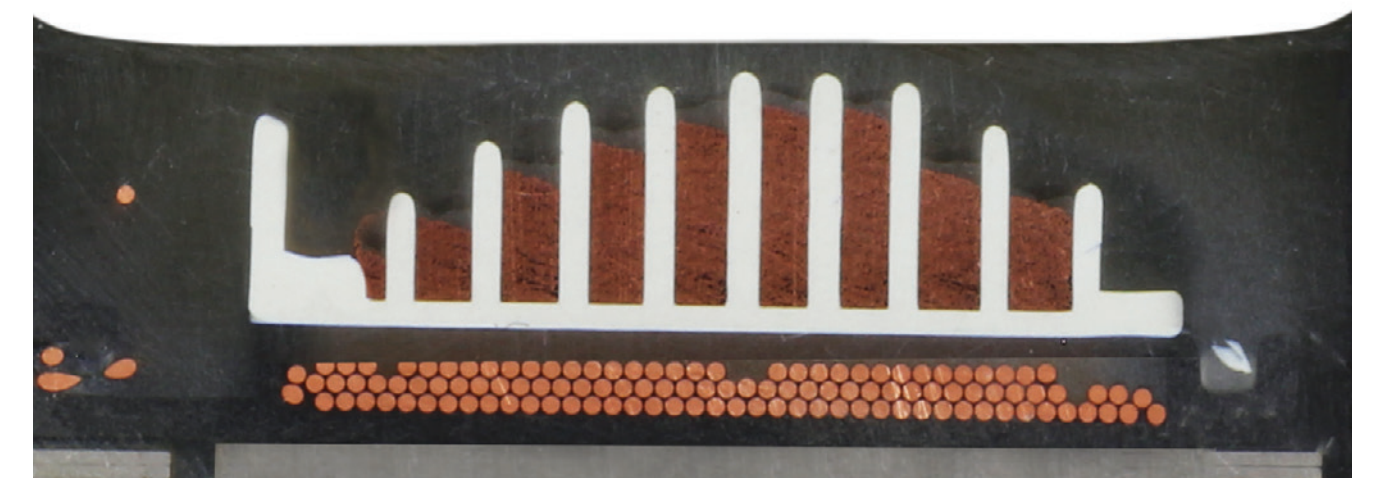
Produces 30kV with 8 sections

Over 4kV is pushed through each section

Solution:

Blue Streak® engineers designed a Coil that addresses OE weak points and includes additional bobbin sections, resulting in less heat produced and a longer service life.

The Blue Streak® UF349K6 has 9 Bobbin Sections



Produces 30kV with 9 sections

Only 3.3kV is pushed through each bobbin section



Made to stand the test of time®

StandardBlueStreak.com

What's New

Variable Valve Timing (VVT) technology is on nearly every vehicle and there's no reason to go "back to the dealer" for VVT replacement parts.

Blue Streak® is committed to expanding its line of upgraded VVT Solenoids and Sprockets including coverage for import vehicles. Standard® VVT components with product upgrades will continue to move to the Blue Streak® line.

For the most recent applications, check the online catalog at StandardBlueStreak.com.



VVT121
VVT Solenoid
Hyundai / Kia 2.0L, 2.4L
(2020-10)
VIO: 3.8M



VVT143
VVT Solenoid
Nissan 2.5L
(2020-13)
VIO: 3.5M



VVT319
VVT Position Sensor Magnet
Chrysler, Dodge, Jeep, RAM
3.0L, 3.6L
(2022-11)
VIO: 6.9M



What's New

Blue Streak® created this high-quality, all-in-one solution for servicing high-pressure fuel pumps.

Blue Streak® Kits include everything needed for a complete repair — high-pressure fuel pump, O-ring, camshaft follower, and gasket.

Direct Injection High-Pressure Fuel Pump Kit

GDP204K includes the following:

- High-Pressure Fuel Pump
- Camshaft Follower
- Fuel Pump O-ring
- Fuel Pump Mounting Gasket



GDP204K
Ford (2019-11)



Multi-Pack Coil Kits

Many of the heavier-duty, longer-lasting Ignition Coils technicians trust from Blue Streak® are now available in popular Multi-Pack Kits.

We've identified several OE coils with high failure rates and recommend replacing them in sets.

For the most recent applications, check the online catalog at StandardBlueStreak.com.



UF333K4
OE Improved Ignition Coil Kit
Toyota 2.4L
(2013-06)
VIO: 1.4M



UF487K6
OE Improved Ignition Coil Kit
Toyota / Lexus
2.5L, 2.7L, 3.5L, 4.0L
(2019-05)
VIO: 7.8M



UF596K4
OE Improved Ignition Coil Kit
Toyota / Lexus / Scion 1.8L
(2019-08)
VIO: 4.6M



Made to stand the test of time®

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The Kits Keep Coming

VVT Solenoid Kits, Blower Motor Resistor Kits and Camshaft Sensor Kits — Blue Streak® continues to release kits across numerous categories to help technicians do the job right.

For the most recent applications, check the online catalog at StandardBlueStreak.com.



VVT2000K
VVT Solenoid Kit
GM 4 Cyl.
(2017-06)
VIO: 3.8M



VVT2001K
VVT Solenoid Kit
Toyota / Lexus 6 Cyl.
(2010-99)
VIO: 2.1M



PC123K
Crankshaft Sensor Kit
GM Trucks & SUVs
(2007-94)
VIO: 3.8M



Made to stand the test of time®

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Top Movers: VVT Solenoids

**IMPORT
APPLICATIONS**



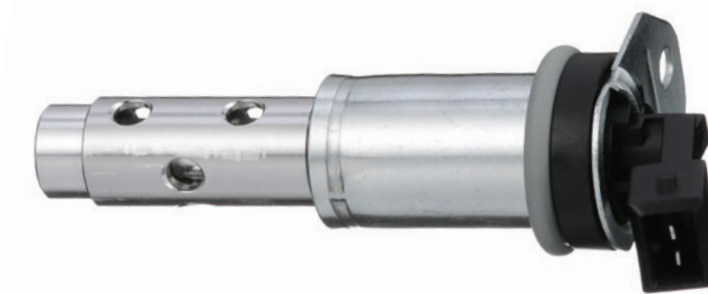
VVT156

Lexus / Toyota Cars & SUVs
(2010-99)



VVT157

Lexus / Toyota Cars & SUVs
(2010-99)



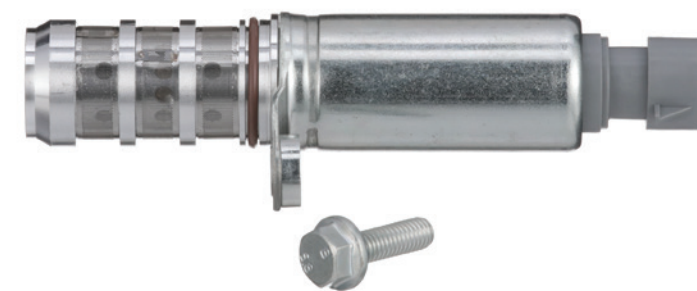
VVT207

BMW Cars & SUVs
(2013-06)



VVT2001K

Lexus / Toyota Cars & SUVs
(2010-99)



VVT198

GM Cars
(2017-06)



VVT199

GM Cars
(2017-06)



VVT190

GM Cars, Trucks & SUVs
(2023-04)



VVT101

Ford / Lincoln Cars, Trucks & SUVs
(2014-04)



VVT Solenoids

StandardBlueStreak.com

Top Movers: Ignition Coils

IMPORT APPLICATIONS



UF549

Nissan / Infiniti
Cars, Trucks & SUVs
(2021-07)



UF575

Audi / VW Cars & SUVs
(2019-04)



UF596

Toyota / Lexus Cars & SUVs
(2021-08)



UF349

Nissan / Infiniti
Cars, Trucks & SUVs
(2021-01)



UF667

BMW Cars & SUVs
(2021-01)

DOMESTIC APPLICATIONS



FD503

Ford Cars, Trucks & SUVs
(2019-97)



UF648

Chrysler, Dodge, Jeep, RAM
Cars, Trucks & SUVs
(2021-11)



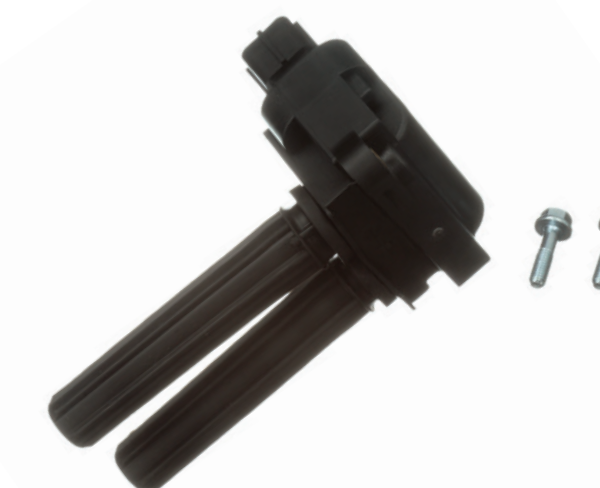
UF270

Chrysler, Dodge, Jeep
Trucks & SUVs
(2008-99)



FD508

Ford Cars, Trucks & SUVs
(2009-04)



UF504

Chrysler, Dodge, Jeep, RAM
Cars Trucks & SUVs
(2022-05)

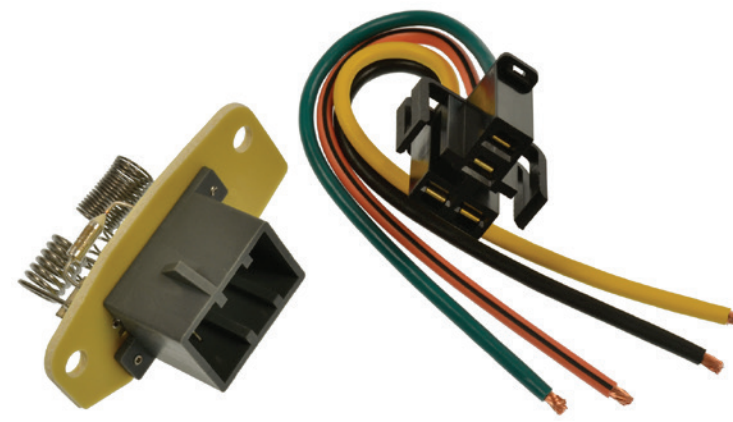


Top Movers: BMR Kits

**BLOWER
MOTOR
RESISTOR
KITS**



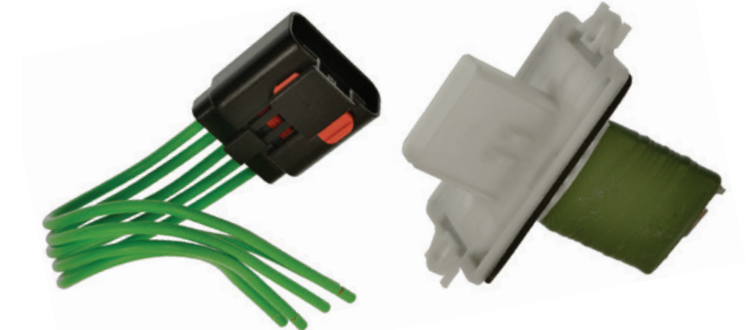
RU51HTK
GM Trucks & Vans
(2018-96)



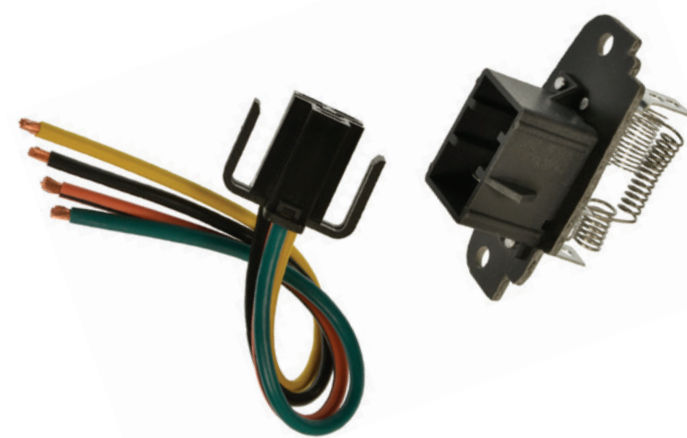
RU318HTK
Ford Trucks & SUVs
(2018-83)



RU363HTK
GM Cars & Trucks
(2008-03)



RU380HTK
Chrysler, Dodge, Jeep
Cars, Trucks & SUVs
(2010-01)



RU404HTK
Ford Trucks & SUVs
(2013-95)



RU445HTK
Ford Trucks & Vans
(2018-75)



RU376HTK
GM Cars
(2012-04)



RU496HTK
GM Cars
(2005-96)



Top Movers: Crankshaft / Camshaft Sensor Kits

CRANKSHAFT SENSOR KITS



PC123K
GM Trucks & SUVs
(2007-94)



PC243K
Chrysler, Dodge, Jeep
Cars, Trucks & SUVs
(2007-00)



PC284K
Chrysler, Dodge, Jeep, RAM
Cars, Trucks & SUVs
(2013-99)



PC122K
GM Cars & Trucks
(2003-96)



PC484K
Chrysler, Dodge, Jeep
Cars, Trucks, & SUVs
(2006-03)

CAMSHAFT SENSOR KITS



PC273K
GM Cars, Trucks & SUVs
(2007-99)



PC460K
Nissan / Infiniti Cars & SUVs
(2018-02)



PC400K
GM Cars & SUVs
(2007-03)



PC603K
Ford Trucks
(2003-97)



PC910K
Chrysler / Dodge Cars
(2010-03)



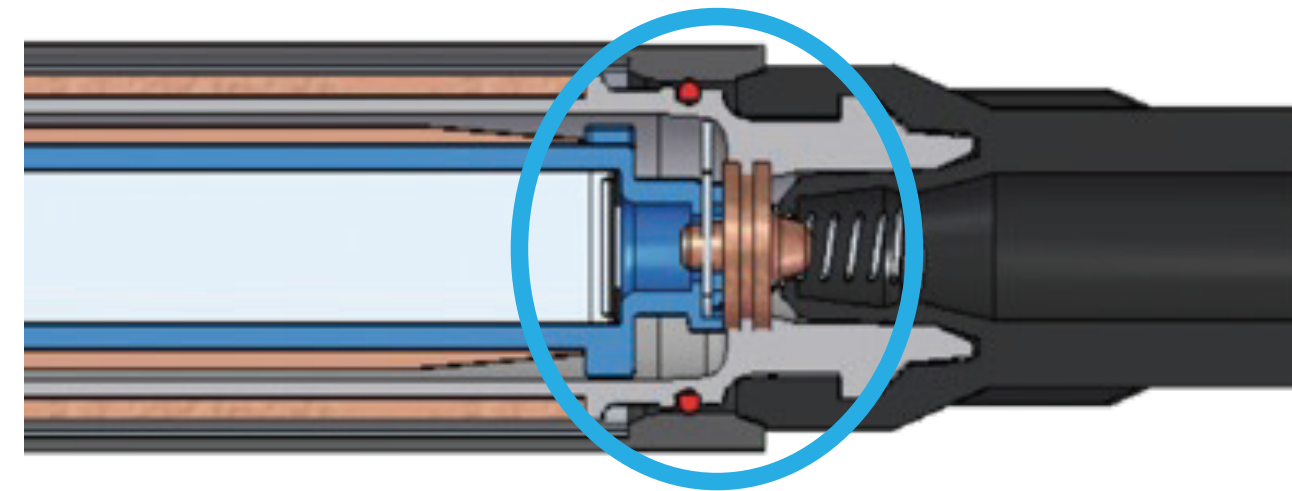
Engineering Improvements

Heat, moisture and corrosion are typical reasons that OE coils fail, and many OE designs can have unforeseen weak points that lead to product failure. That's why choosing a replacement coil that's the same as the one that just failed doesn't make sense.

Blue Streak® engineers evaluate the original part, identify the OE issues, and correct those problems to deliver a better-performing and longer-lasting Coil.

Blue Streak® Makes Improvements to OE Pencil Coils

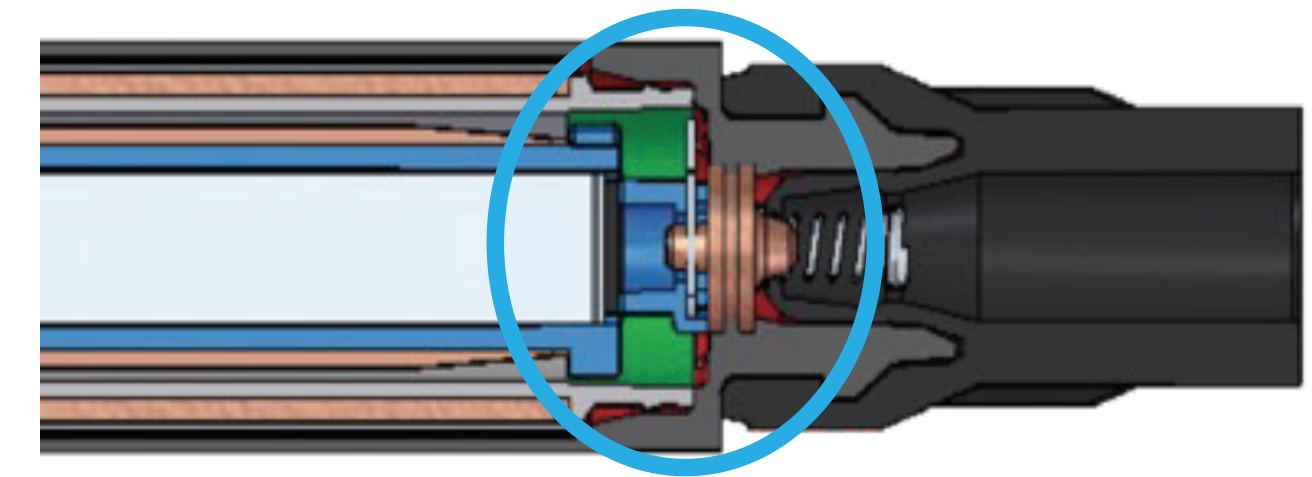
OE Design Flaw – O-Ring Design



OE has moisture intrusion

When the OE O-ring breaks down, it allows moisture intrusion, which impedes performance and shortens coil life

Blue Streak® Solution – Eliminate O-Ring Housing



Blue Streak® has no moisture intrusion

Blue Streak® 1-piece design with no O-ring housing prevents moisture intrusion for optimal performance and long service life

Source: SMP Poland Testing Lab

“

As the results show, we've designed our Blue Streak® Ignition Coils for superior performance and durability under the harshest conditions.

— Tomasz Michalik Technical Director, SMP Poland



Engineering Improvements

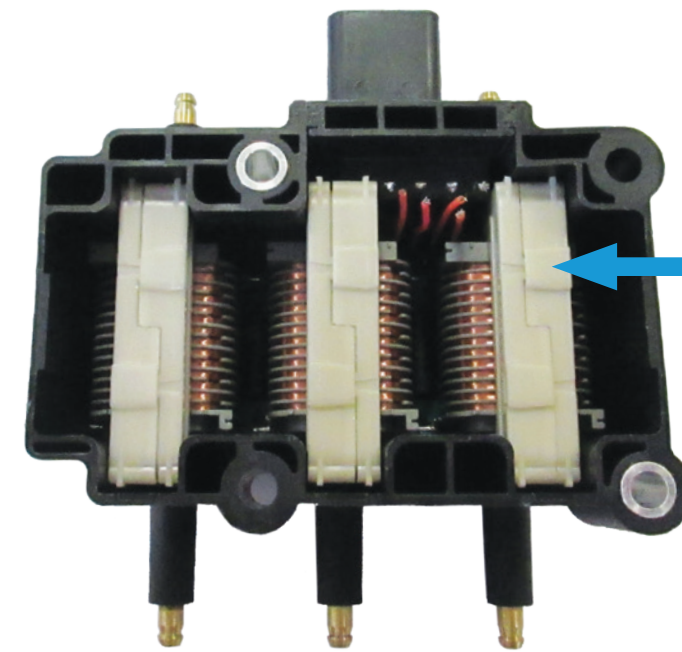
Another common reason OE coils fail is epoxy cracking due to flawed design and manufacturing process.

Blue Streak® Coils use high-dielectric epoxy injected in a vacuum to eliminate air pockets and prevent moisture intrusion.

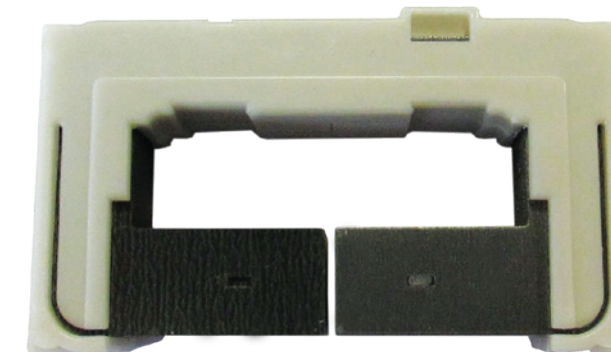
We've gone one step further by replacing the problematic OE cover with an overmolded iron core, to ensure coil integrity and performance.

Blue Streak® Solves OE Epoxy Cracking Issue

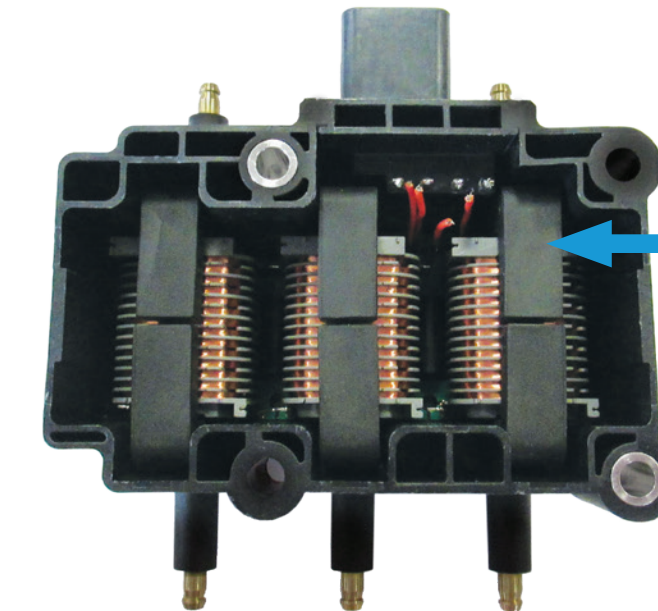
OE Design Flaw – Polypropylene Cover



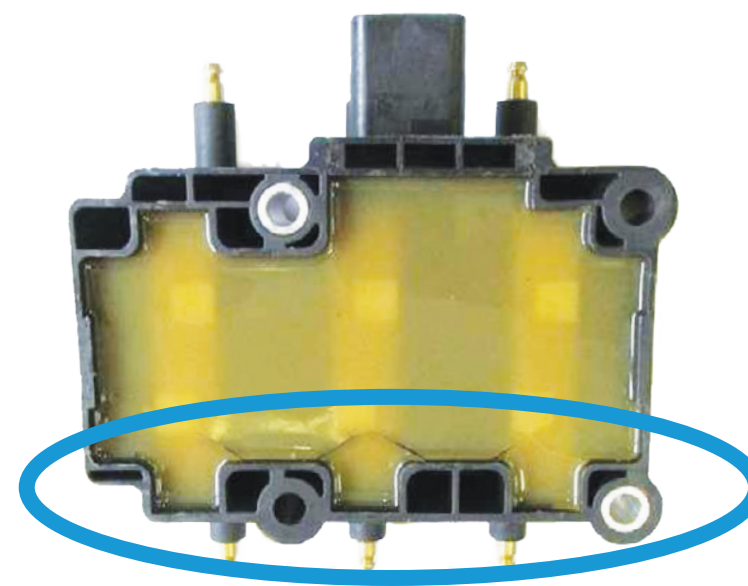
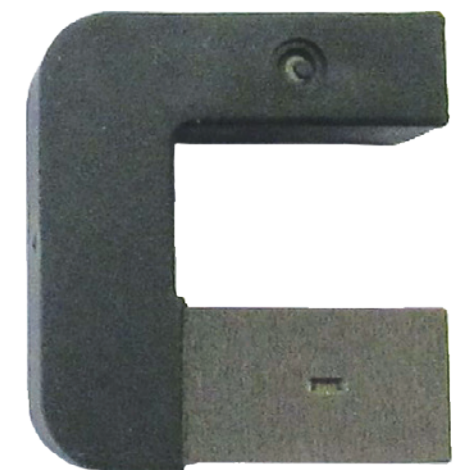
The OE polypropylene on steel core leads to epoxy cracking, moisture intrusion, degraded performance and eventual coil failure



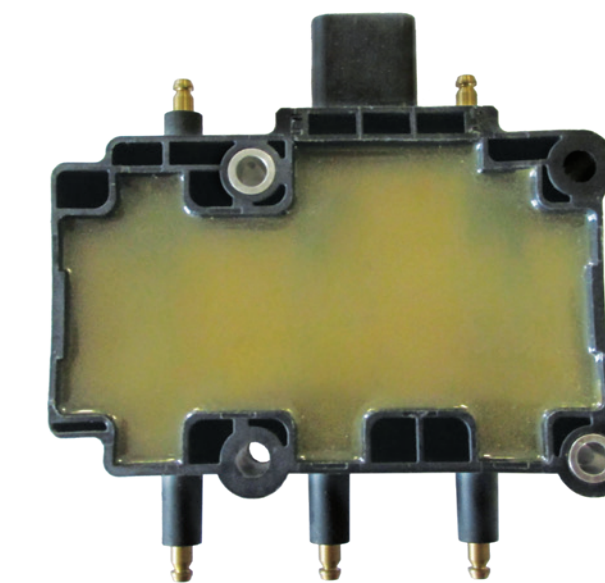
Blue Streak® Solution – Elastomer Overmold



The Blue Streak® design overmolds the iron core with TPE elastomer, preserving coil integrity



OE epoxy cracks after temperature test



Blue Streak® has no cracks after temperature test

UF305
Chrysler / Dodge /
Jeep Cars
(2011-01)
and similar coils

Source: SMP Poland Testing Lab

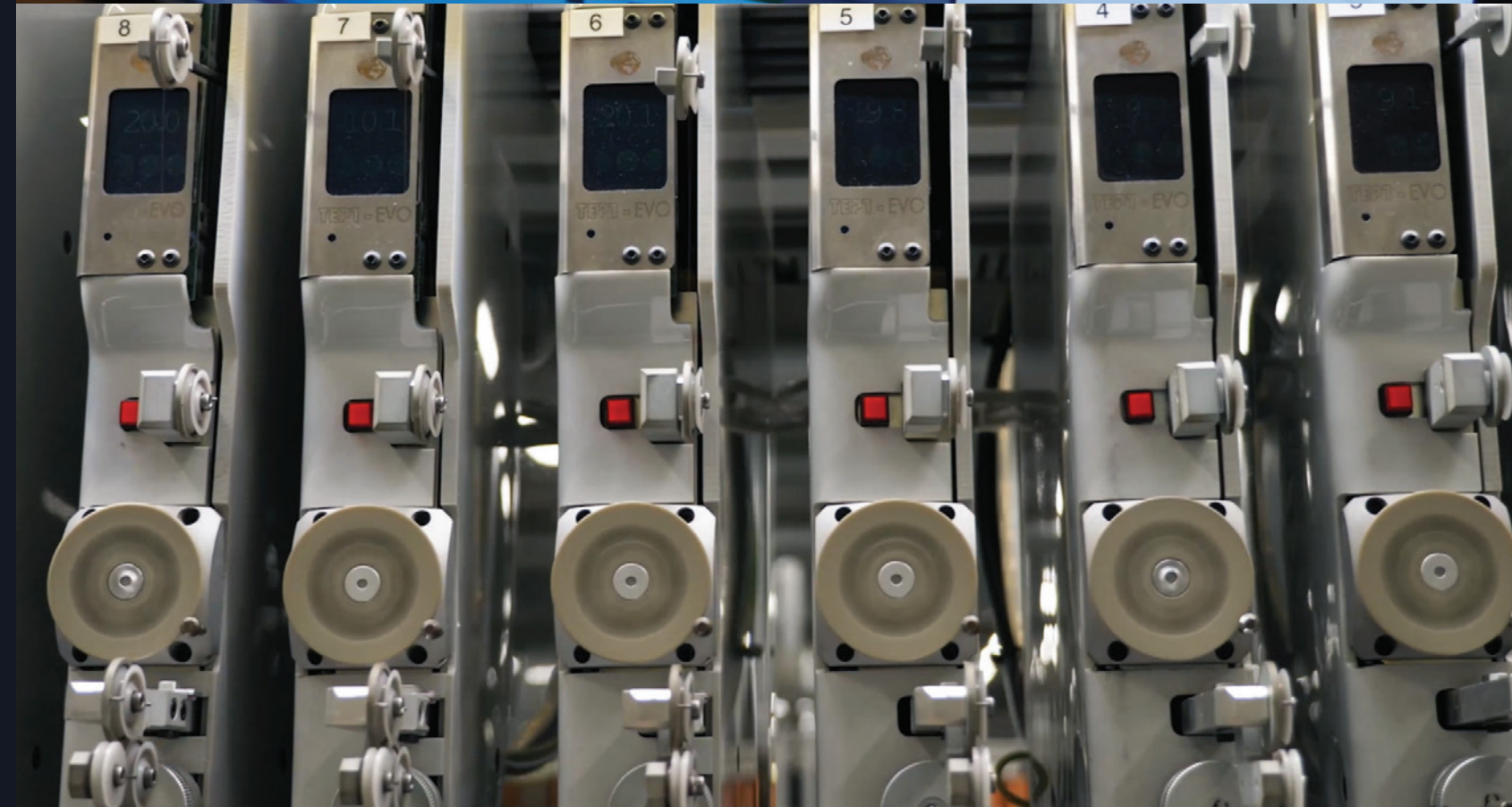
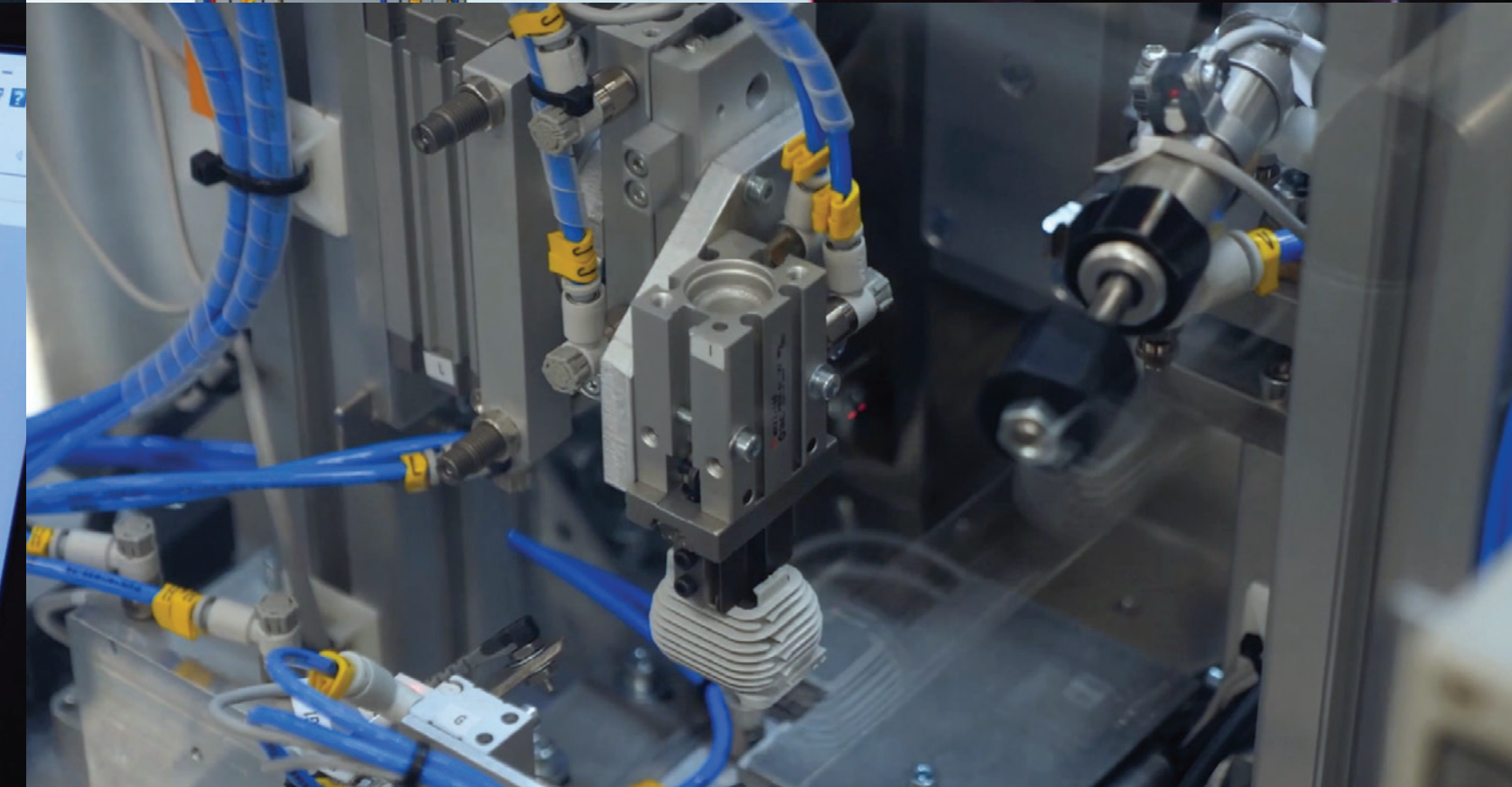
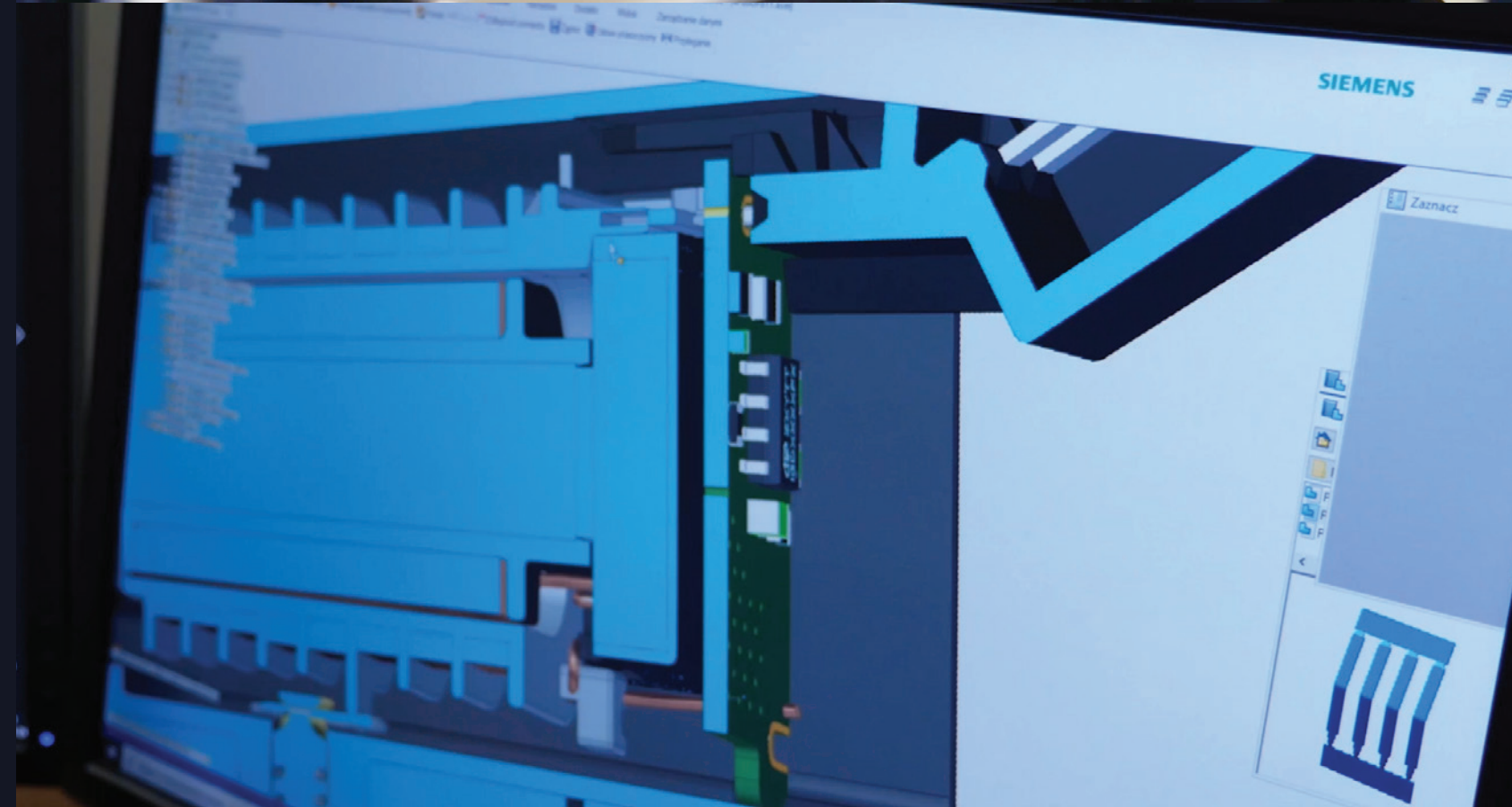
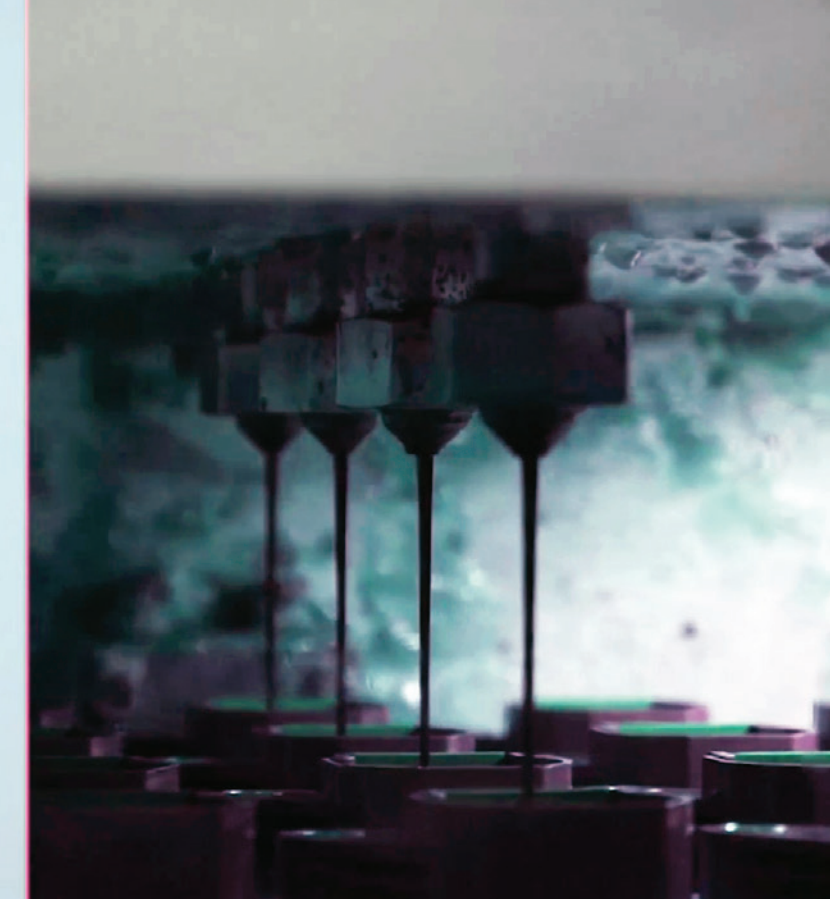
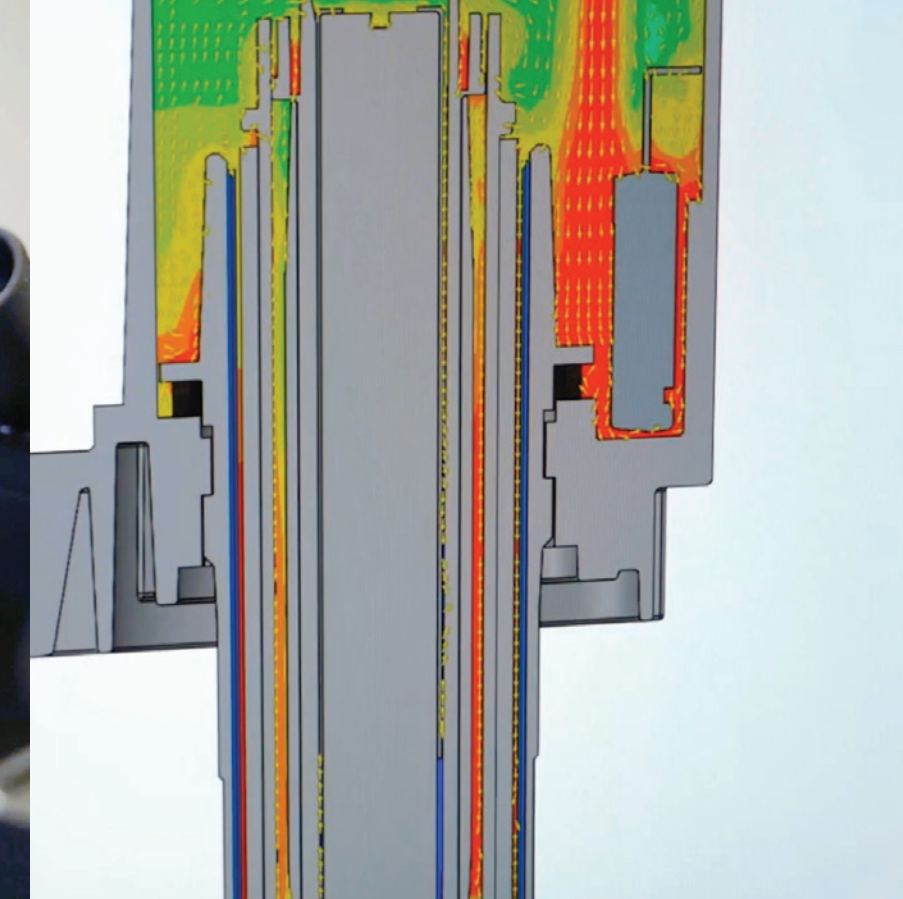
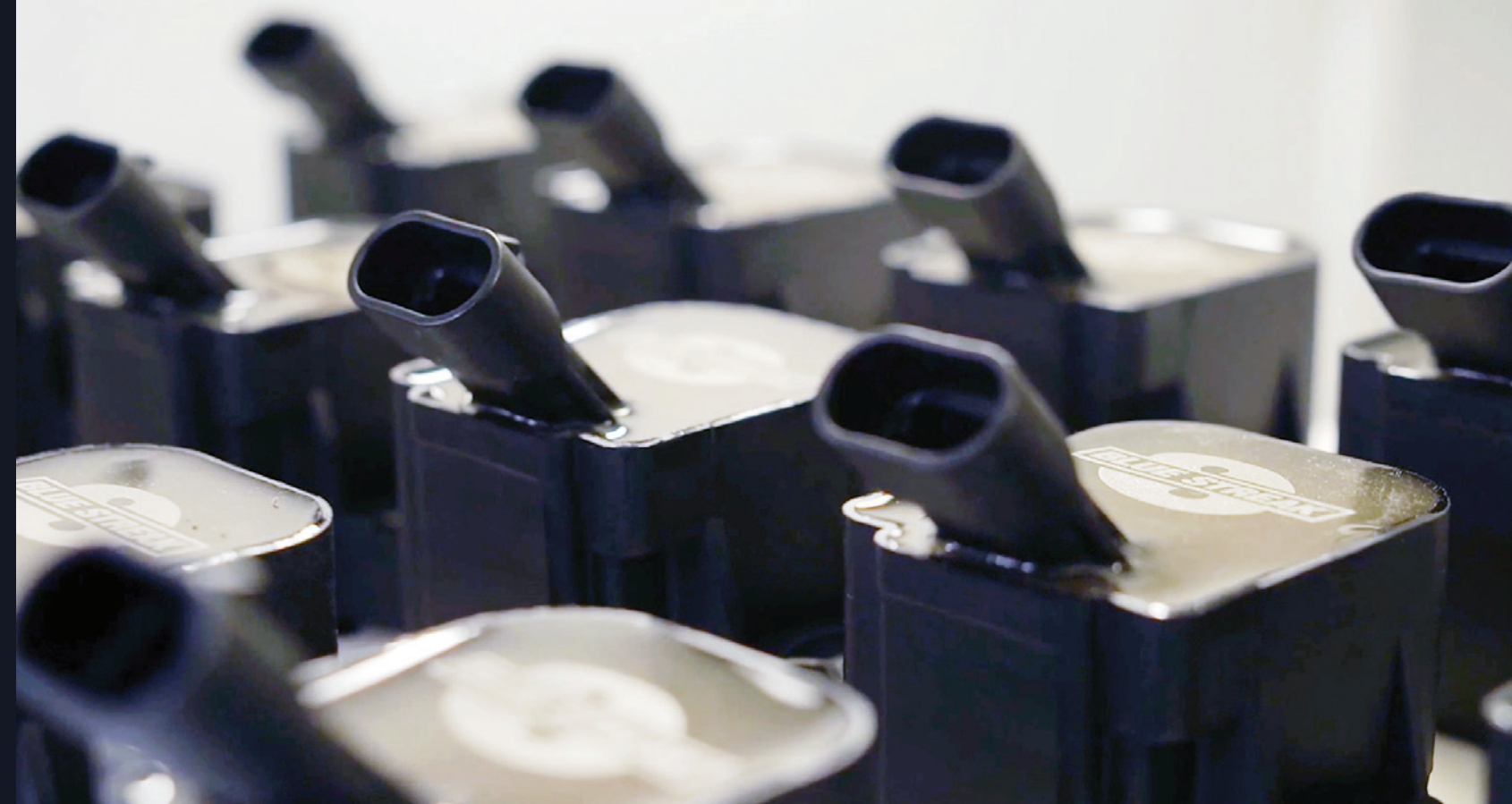


Expert Manufacturing

Blue Streak® Ignition Coils are designed and manufactured at our IATF 16949-certified facility in Bialystok, Poland.

Spanning 145,000 square feet, our most advanced facility has more than 750 employees including 60+ resident engineers.

At this plant we manufacture more than 6 million Ignition Coils each year and introduce 110+ new products annually.

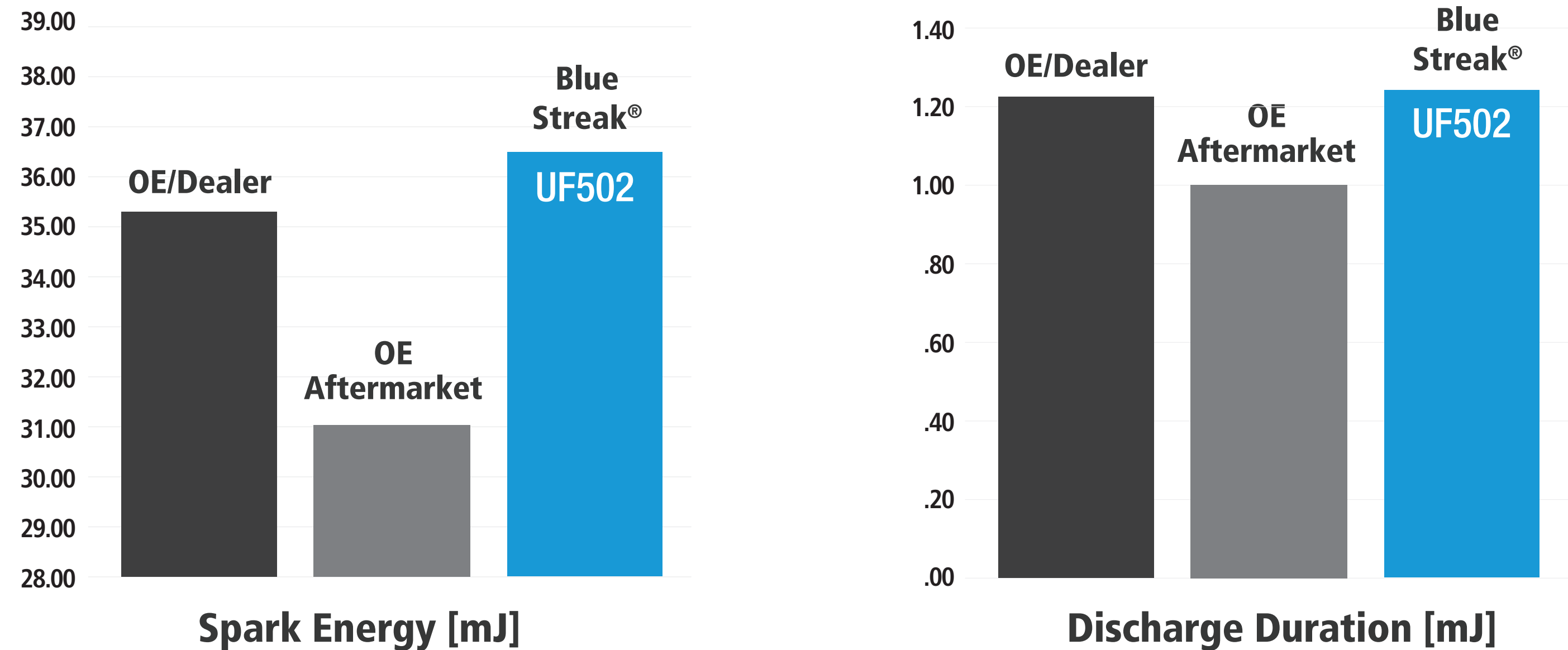


Testing and Validation

All Blue Streak® Ignition Coils undergo extensive testing, including environmental, thermal shock, thermal cycling, and vibration tests.

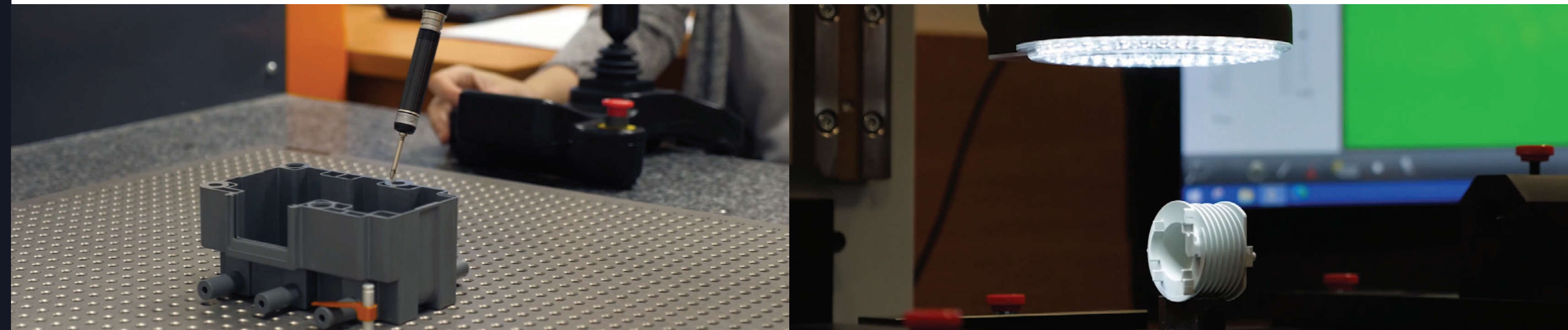
Check out the typical test results as Blue Streak® UF502 goes up against the OE and OE Aftermarket coils.

The Test Results Are In



Source: SMP Poland Testing Lab

Blue Streak® Coils outperform the OE and OE Aftermarket coils with more spark energy and longer-lasting discharge to deliver improved performance and fuel economy.



Heavier-Duty Coils

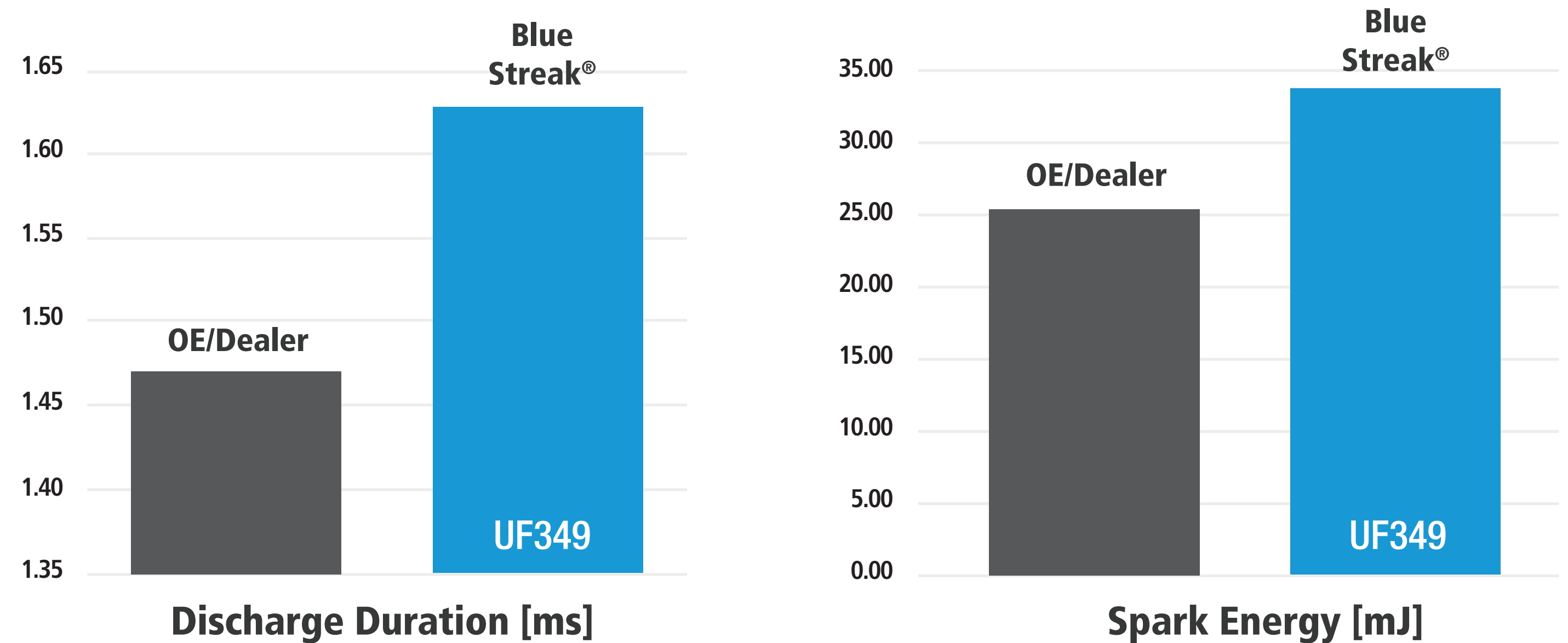
StandardBlueStreak.com

Testing and Validation

After we engineer improvements into our Ignition Coils for import vehicles, we put these Coils through a rigorous testing regimen.

The result is an Import Coil that not only matches its replacement application perfectly, but outperforms the OE, producing more spark energy and longer-lasting discharge for better vehicle performance, fuel economy, and emissions.

The Test Results Are In



Source: SMP Poland Testing Lab

In this test, the Blue Streak® Coil delivered typical results outperforming the OE. Blue Streak® UF349 produced 22% more spark energy with an 11% longer-lasting discharge.

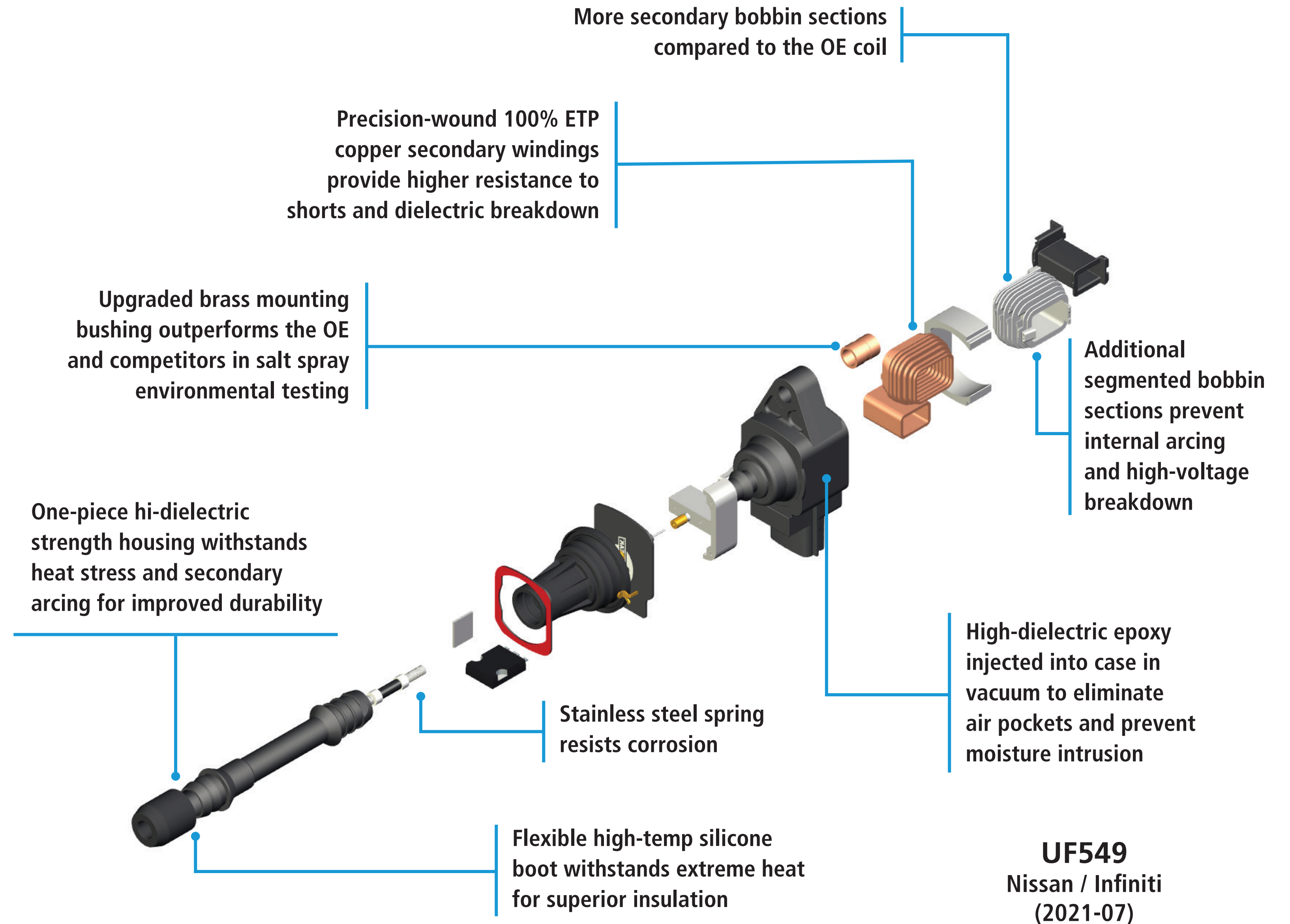


Product Quality

A product of superior design, engineering and testing, Blue Streak® premium Import Coils feature numerous product upgrades and competitive benefits to deliver a more reliable, better-performing, and longer-lasting Ignition Coil for import applications.

Did You Know

Blue Streak® Heavier-Duty Coils are engineered and tested to match or exceed OE for spark energy, output, impedance and durability. In fact, our Coils are tested at extreme performance conditions running 7200 RPM.

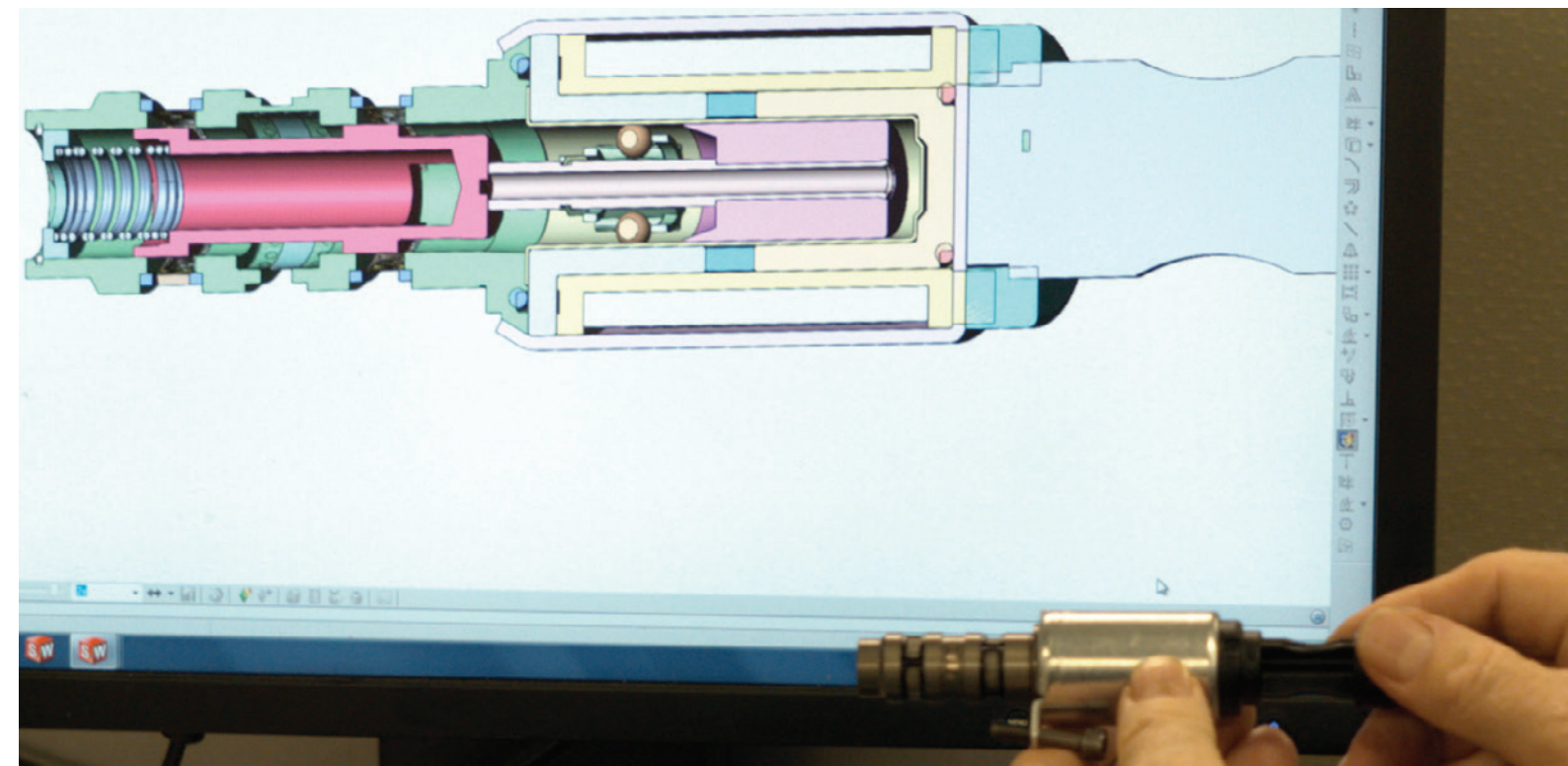


Engineering, Manufacturing and Testing

Variable Valve Timing technology is found on nearly every new vehicle. VVT service and repair will continue to grow in the coming years.

Blue Streak's VVT line includes Sprockets, Solenoids and Kits. All of the components in the Blue Streak® VVT line feature upgrades, and each is extensively tested to ensure longer-lasting performance.

Blue Streak® VVT Advantage: Our Meticulous Attention to Detail



Did You Know

SMP Poland, with more than 60 resident engineers, serves as the advanced design and manufacturing center for Blue Streak® premium VVT Solenoids and Sprockets.

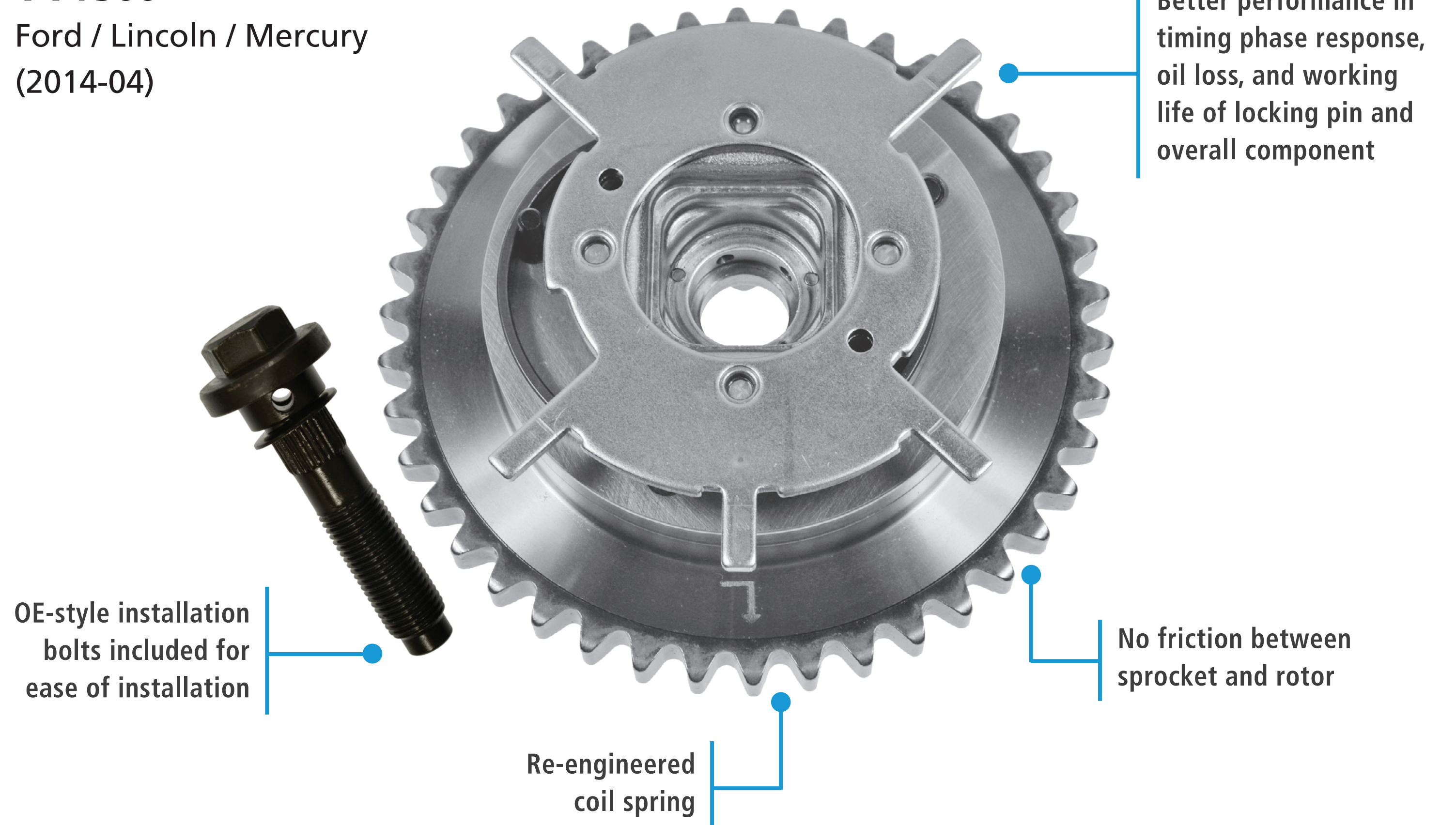


Engineering Improvements

Blue Streak® VVT Sprockets meet the tightest tolerances to improve internal sealing, minimize oil drain, and deliver designed performance within the VVT system.

In fact, Blue Streak® VVT500 features an innovative integrated design and larger contact area with no paddles to wear out. The result is a better-performing, longer-lasting Sprocket.

VVT500
Ford / Lincoln / Mercury
(2014-04)



Did You Know

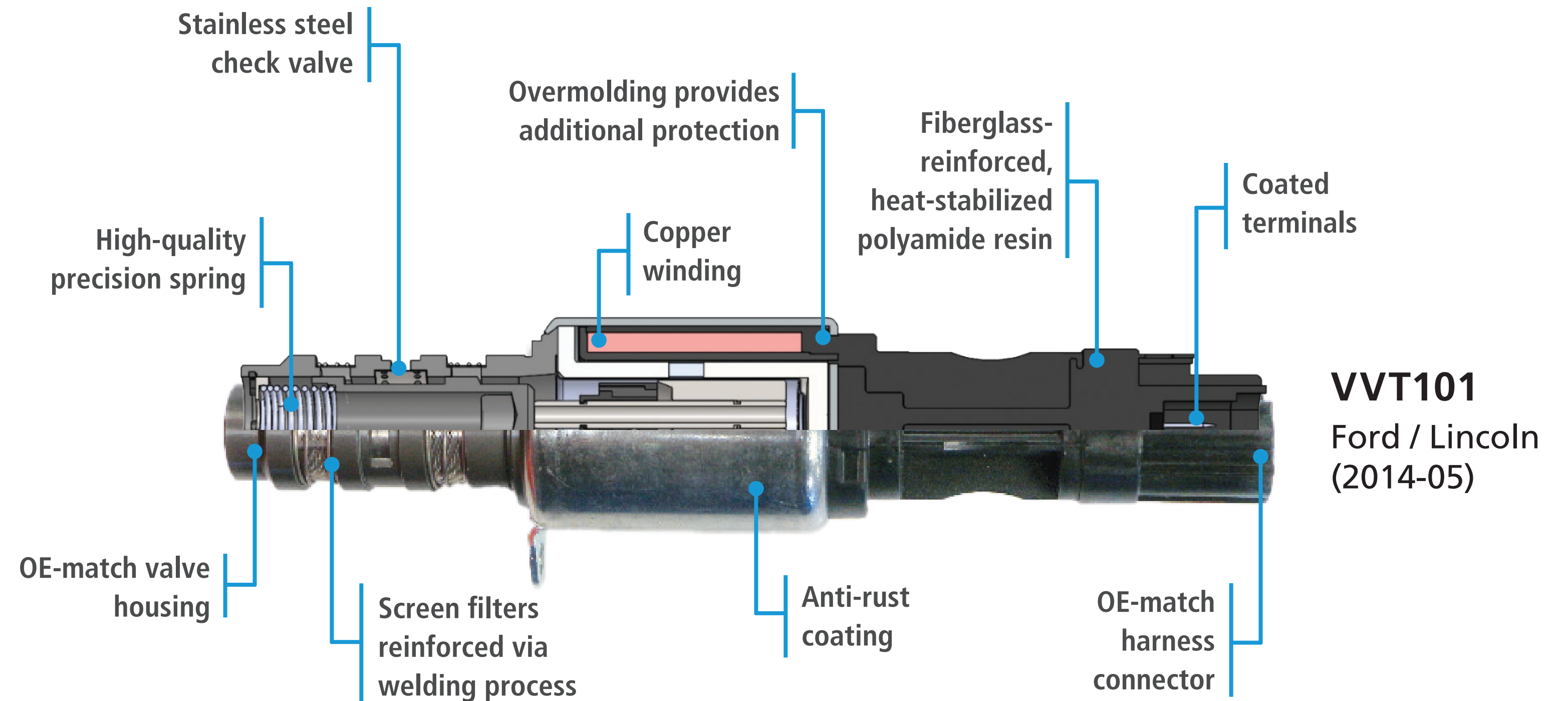
As part of a sophisticated system, the diameter of a replacement sprocket should match the original. Other aftermarket suppliers vary the diameter of their sprocket; this could alter the timing and stretch the timing chain.



Product Quality

Blue Streak® VVT Solenoids feature improvements over the original, including hard anodized steel componentry, welded filters and welded screen reinforcement.

It's this attention to detail that ensures precision operation, correct on-vehicle performance and longer service life.



Did You Know

Blue Streak® Solenoids include the necessary hardware to help technicians complete a successful install.



VVT Design Improvements

Blue Streak® VVT Solenoids features a stainless steel shaft for a durable and more reliable solution while the OE and competitors' units use other material prone to deforming and wear.

The **Blue Streak® VVT198** uses a stainless steel shaft, pressed all the way to the armature – this makes the shaft more durable for a reliable solution

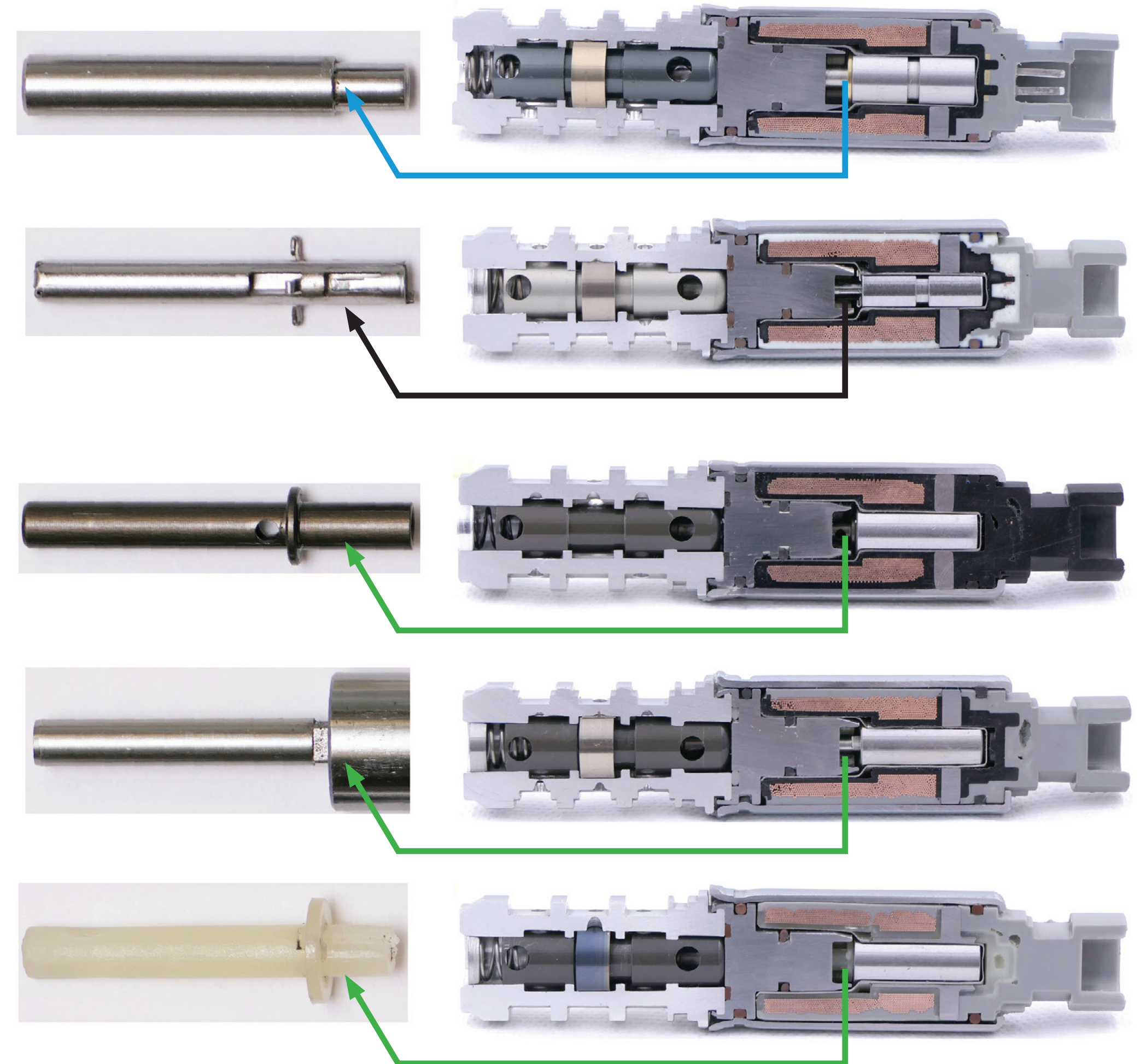
OE: Thin formed metal sheet as a shaft – prone to deformation, thus change of valve characteristics

Competitor 1: Aluminum shaft – prone to wear and change of valve characteristics

Competitor 2: Steel shaft pressed to a distance – prone to further pressing over time and change of valve characteristics

Competitor 3: Plastic shaft – prone to wear and change of valve characteristics

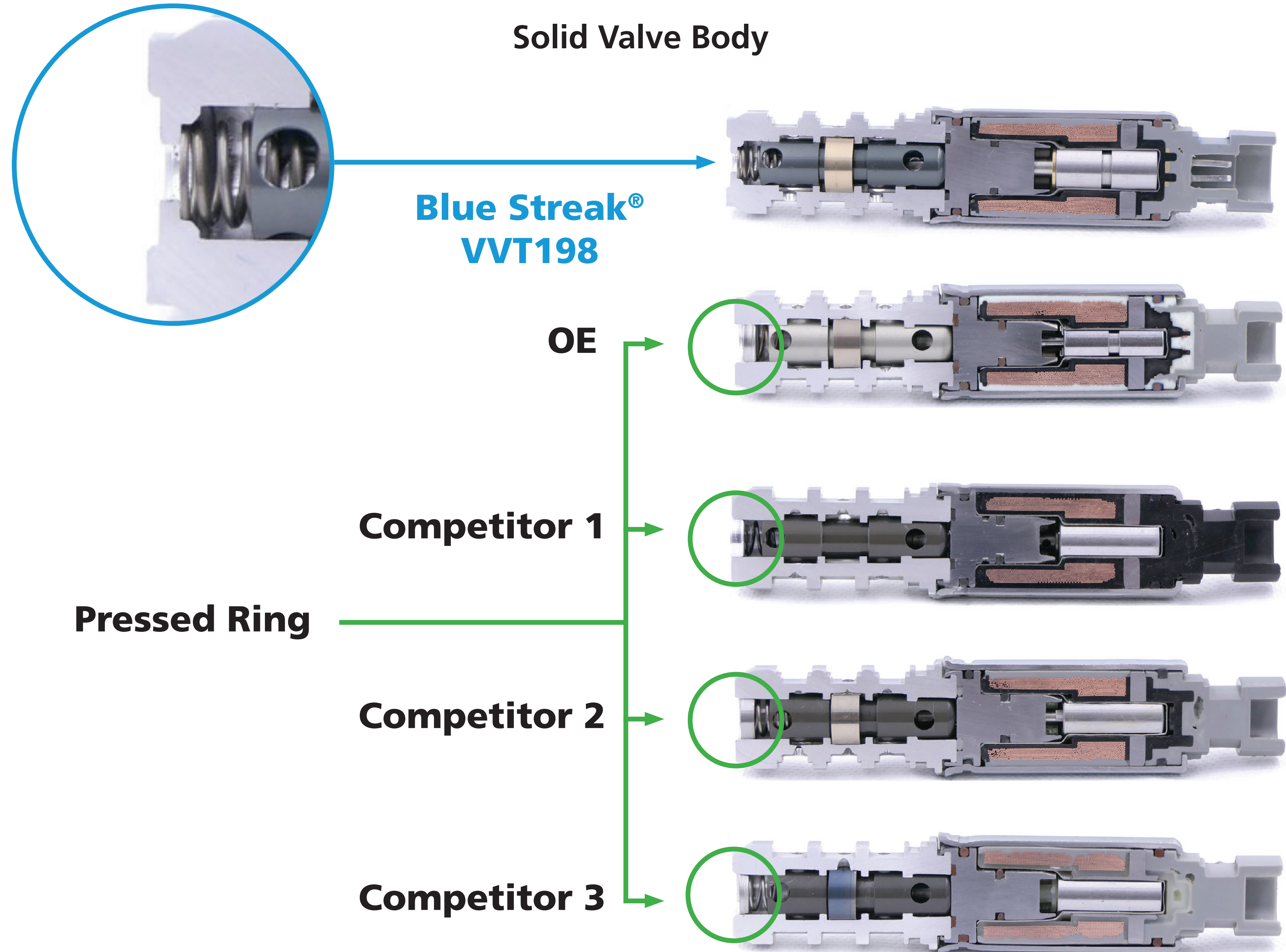
Durable Shaft



VVT Design Improvements

The OE and competitors' VVT solenoids use pressed rings for spring support that can fall apart over time.

Blue Streak® VVT Solenoids feature a closed valve body for spring support, with no chance of falling apart, even after millions of valve switches.



Product Quality

Blue Streak® has put together the highest-quality Complete VVT Service Kit for high-OE-failure replacement opportunities. We also offer the best-performing VVT Solenoid Kits in the industry.

The Blue Streak® Kit line will be expanded throughout 2023. For the most up-to-date listings, visit StandardBlueStreak.com.

Blue Streak® VVT420K is a Complete Timing Kit for the Ford 5.4L V8



VVT Kit Components

- 1 – VVT Sprockets
- 2 – VVT Solenoids
- 3 – Timing Chain Tensioners
- 4 – Timing Chains
- 5 – Timing Chain Guides & Tensioner Arms
- 6 – Drive Gear Sprocket
- 7 – Crankshaft Position Wheel
- 8 – Crankshaft Seal
- 9 – Gaskets

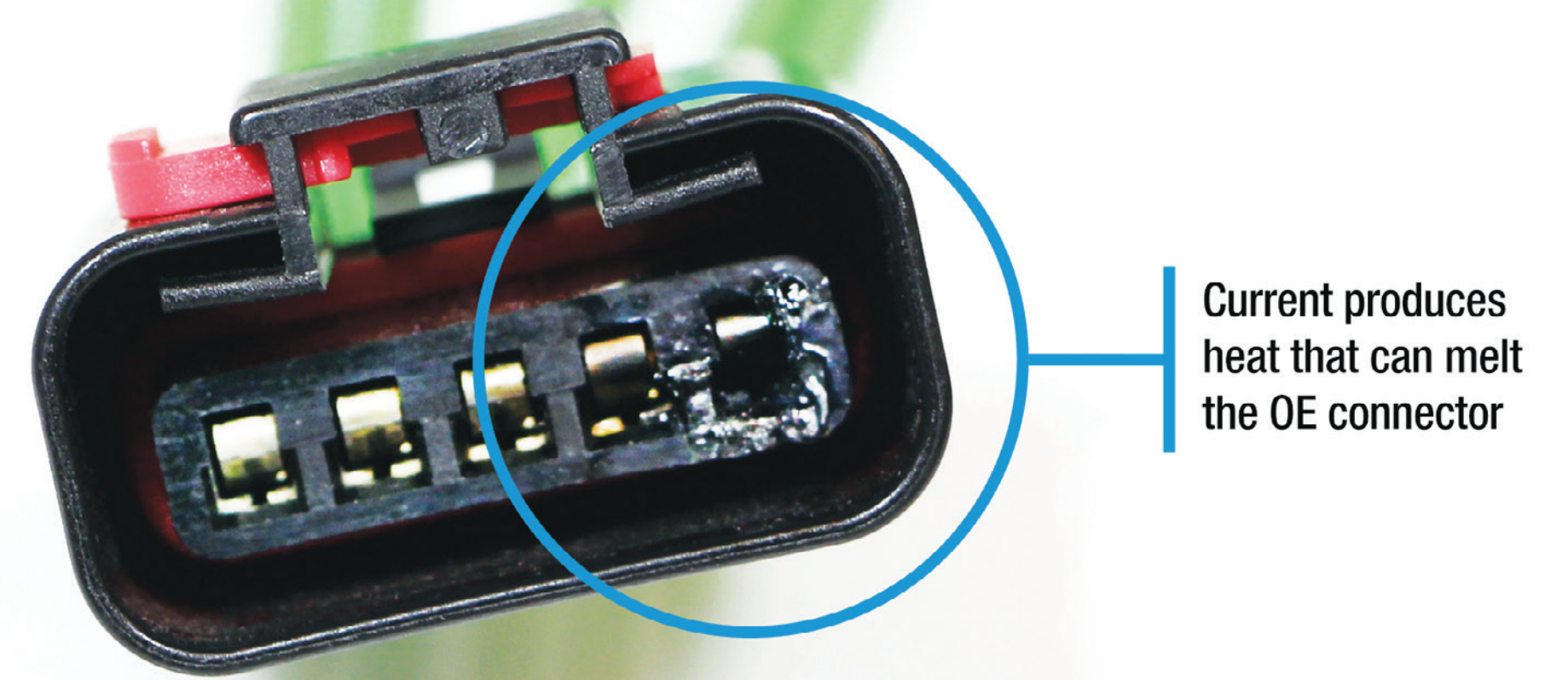


Engineering Improvements

Blower motor resistors have high current running through them and the connector. This can damage the resistor and melt the original connector.

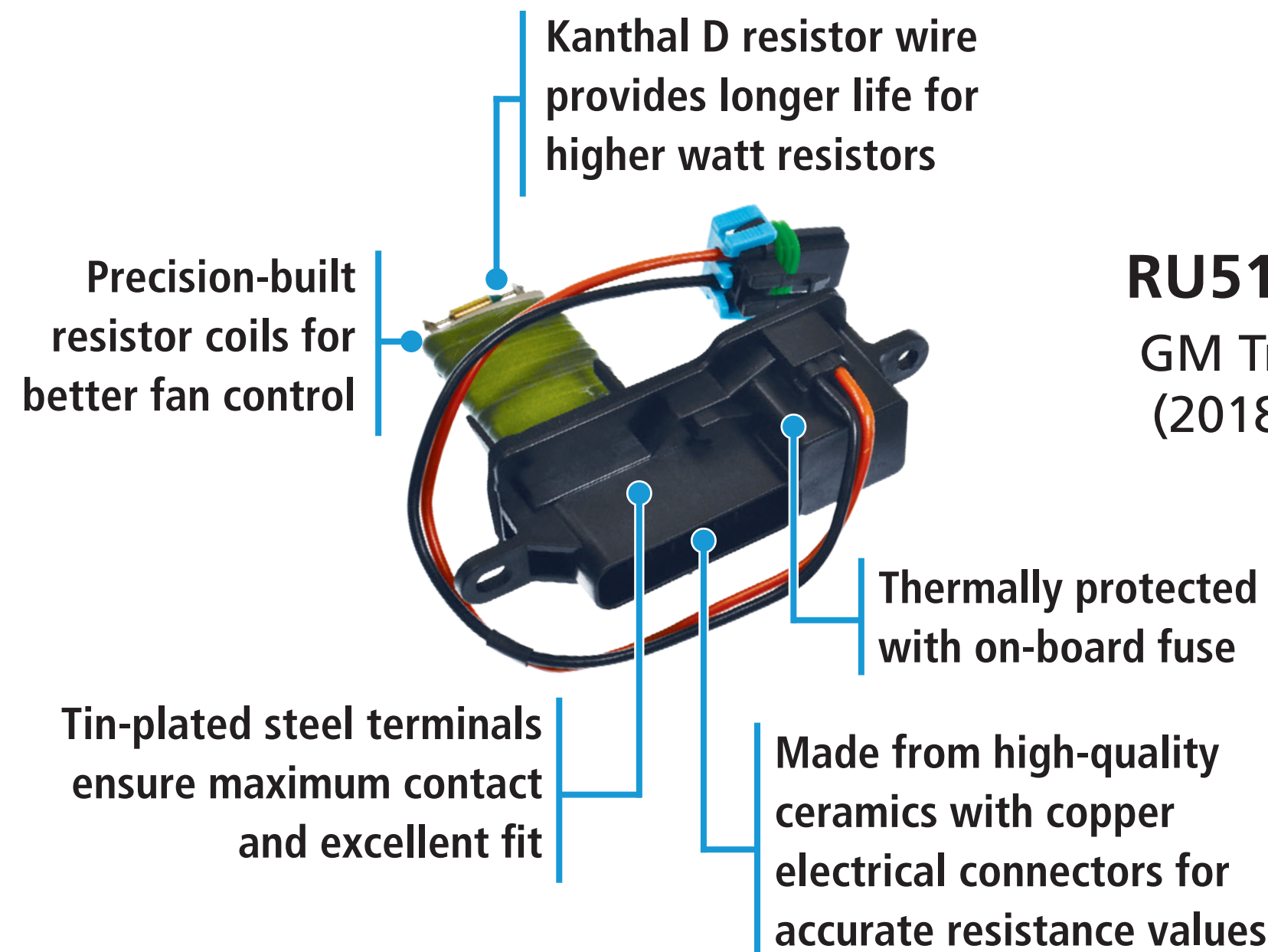
Blue Streak® designed a high-temp connector that withstands excessive heat and paired that with a premium, direct-fit resistor for a quality kit.

The OE Problem: Melted Connector



Current produces heat that can melt the OE connector

The Blue Streak® Solution: High-Temp Blower Motor Resistor Connector Kits



Precision-built resistor coils for better fan control

Kanthal D resistor wire provides longer life for higher watt resistors

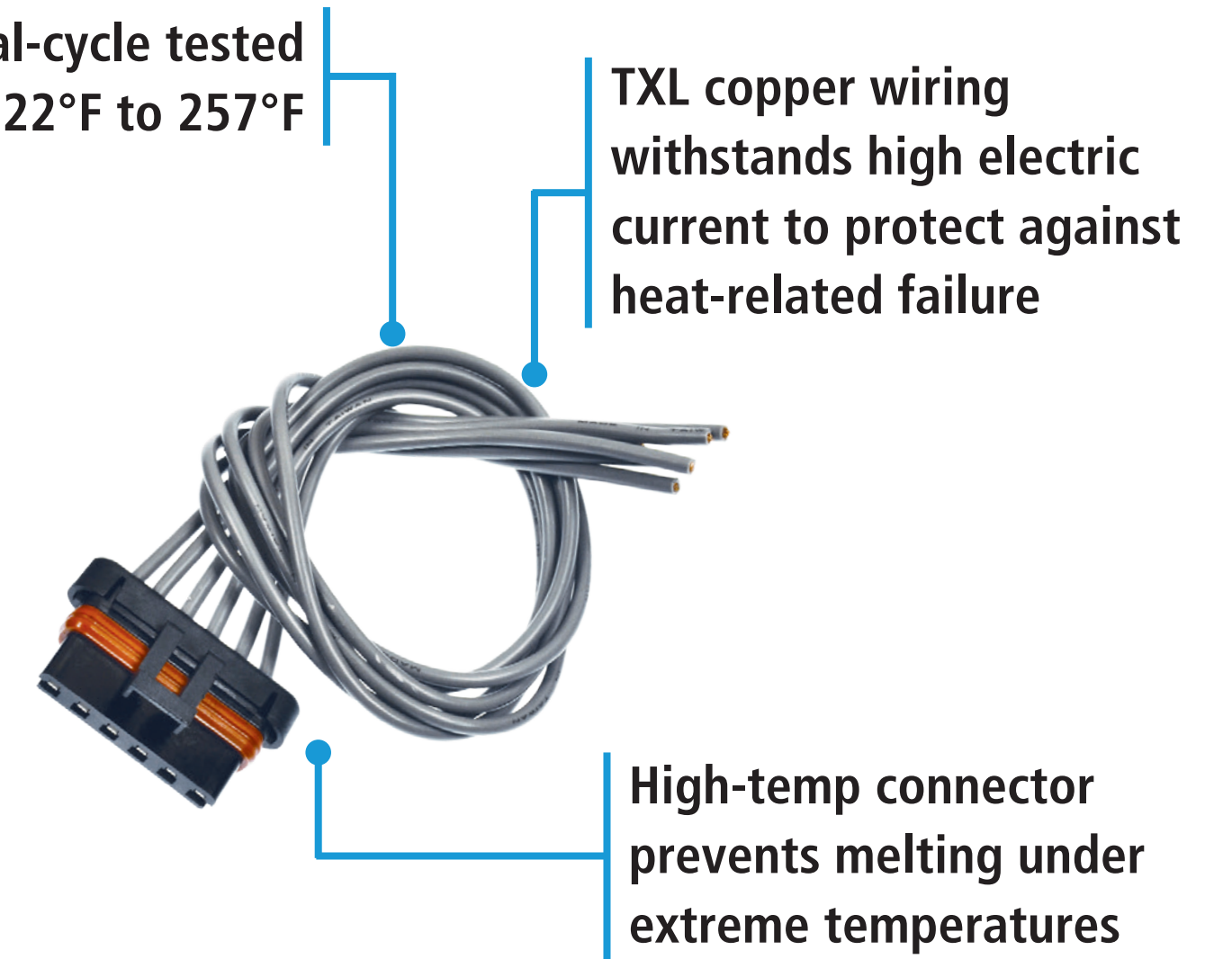
Tin-plated steel terminals ensure maximum contact and excellent fit

Thermally protected with on-board fuse

Made from high-quality ceramics with copper electrical connectors for accurate resistance values

Thermal-cycle tested -22°F to 257°F

RU51HTK
GM Trucks (2018-96)



TXL copper wiring withstands high electric current to protect against heat-related failure

High-temp connector prevents melting under extreme temperatures



Product Quality

Blue Streak® developed high-quality Crankshaft Sensor Kits to provide technicians with what they need to do the complete job.

Blue Streak® Kits contain premium Crankshaft Sensors along with a high-quality electrical connector to replace the melted or damaged originals — Everything a technician needs to perform the repair.

We offer over 20 Crankshaft Sensor Kits, with more coming in 2023.

Blue Streak® Crankshaft Sensor Kits



PC123K



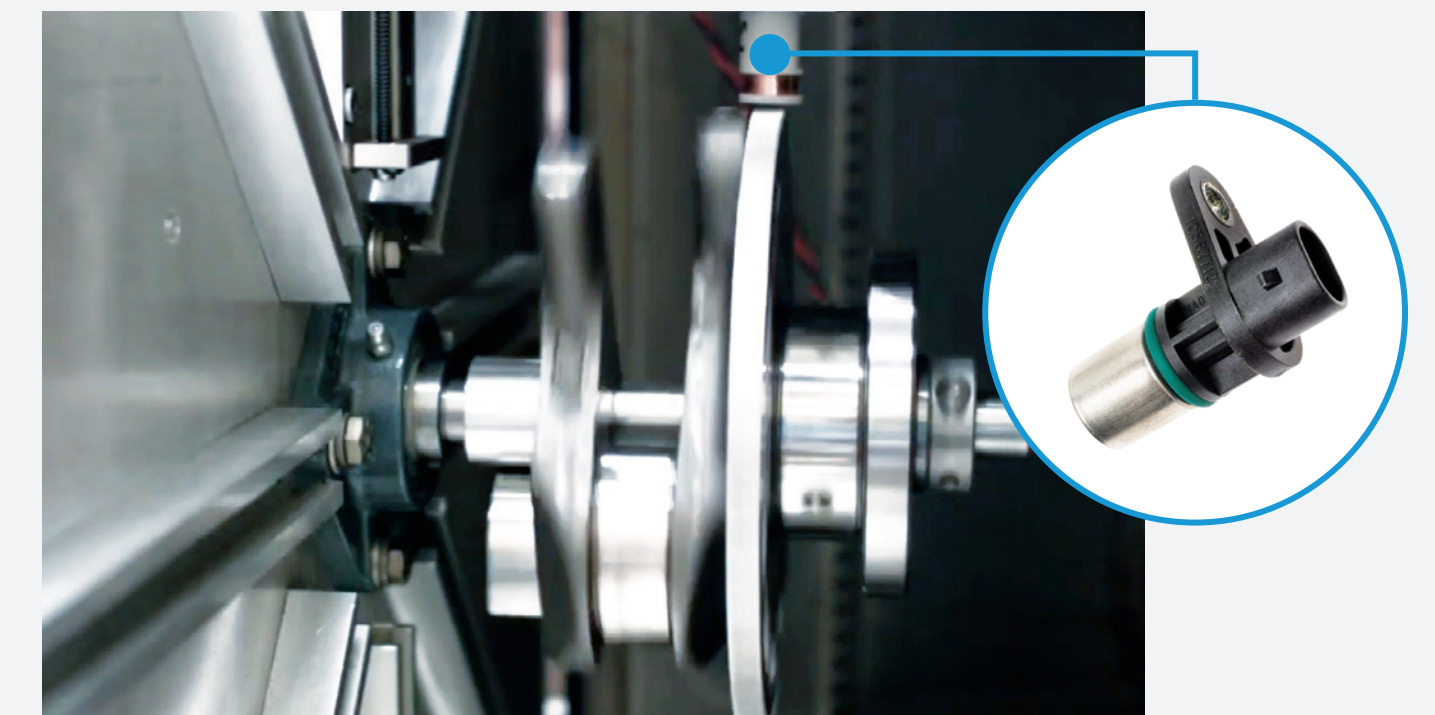
PC243K



PC284K

Did You Know

Blue Streak's Crankshaft Sensor Kits undergo chamber testing that cycles from -40 degrees to 257 degrees Fahrenheit. This testing is performed to ensure our Crank Sensors maintain accuracy during maximum temperature conditions.



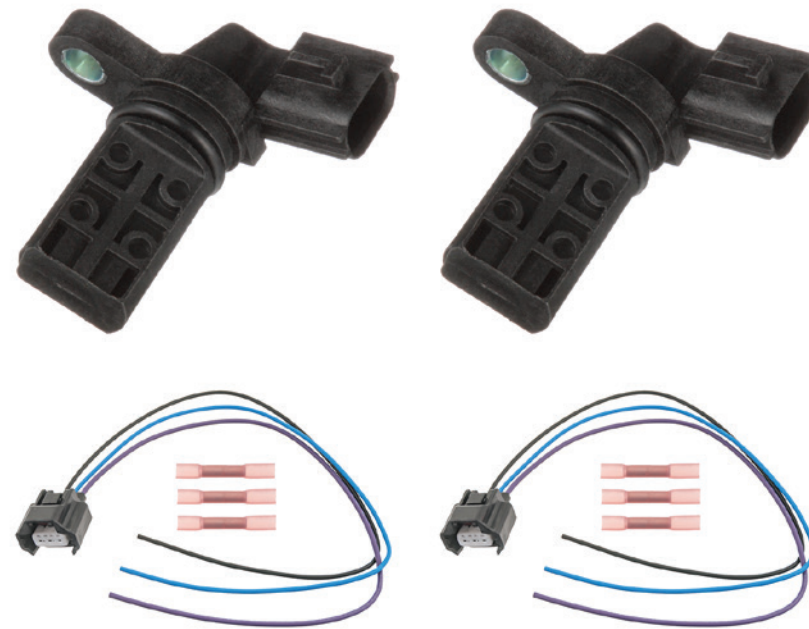
Product Quality

Blue Streak® high-quality Camshaft Sensor Kits provide technicians with all of the parts needed to do the complete job right, every time.

Our enhanced Kits include two Blue Streak® Camshaft Sensors along with the high-quality connectors to replace the melted or damaged originals.

We offer over 20 Camshaft Sensor Kits, with more coming in 2023.

Blue Streak® Camshaft Sensor Kits



PC458K



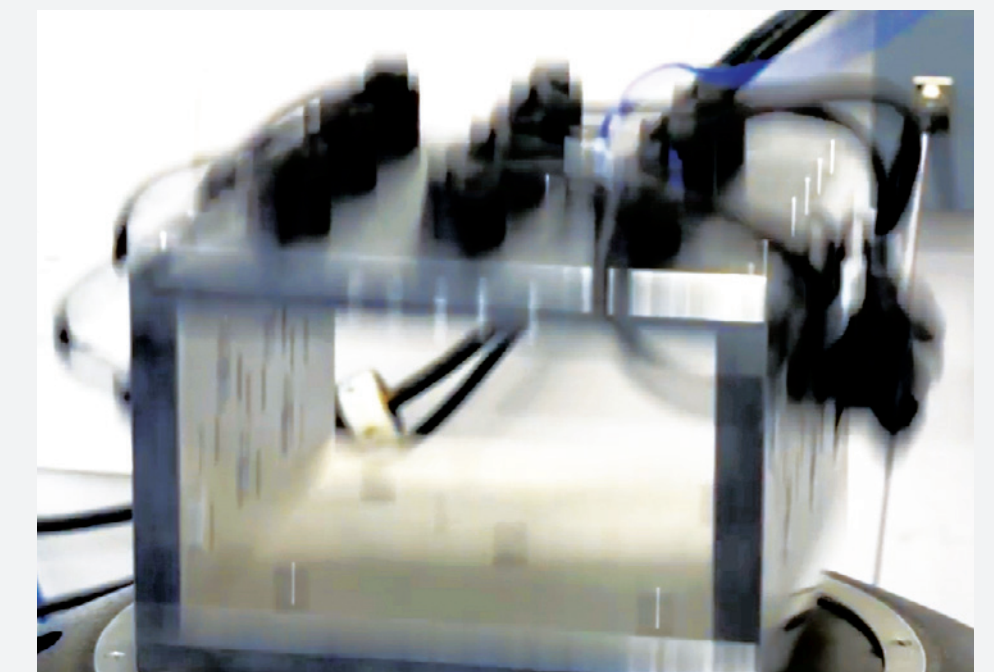
PC460K



PC462K

Did You Know

Blue Streak's Camshaft Sensor Kits undergo 48 to 68-hour vibration tests to ensure performance under the harshest conditions. Each sensor is subjected to end-of-line, timing, pulse width, and signal amplitude testing.



Standard[®] Pro Training Tech Tip

As experienced ASE-certified automotive technicians themselves, Standard[®] Pro Trainers are experts in the systems technologies covered by our Blue Streak[®] offering. Here's what they say to look out for.



Many times, the cam sensor and connector will become saturated with engine oil —

If this is the case, the leak should be repaired and the connector replaced at the same time as the sensor(s)



Blower motor resistors typically burn out due to excessive electrical draw — Replace the blower motor, electrical connector, and cabin air filter along with the new resistor



Engine oil is the lifeblood of the VVT system — Ensure that properly spec'd oil is used when replacing VVT components



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Misfire Diagnostic Tips; Nissan VVT
System Diagnosis
Variable Valve Timing



Available Classes

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Misfire Diagnosis
Ford Gas Vehicles
Powertrain Electronics
Ignition Systems and Cam/Crank
Synchronization
Honda / Acura Diagnostics



For information on Blue Streak parts, search “Blue Streak” on the **StandardBrand** YouTube channel

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