

# VICTOR REINZ®



## Victor Reinz®

# Gaskets and Sealing Products Overview



## Gaskets and Sealing Products from the Leading Global Manufacturer

When it comes to gaskets and sealing products, Victor Reinz is the brand that engine and vehicle manufacturers rely on—and the brand you can trust. Dana has been supplying Victor Reinz gaskets to original equipment manufacturers for decades, and supports aftermarket distribution around the world.



# VICTOR REINZ®



- The global leader in OE gasket design and manufacturing.
- The gasket company that supports aftermarket distribution.
- Coverage for domestic brands and the rapidly growing foreign nameplate market.
- Free, interactive online training.
- The brand that makes your job easier.

Victor Reinz® has been a leading brand in the industry since the Victor brothers produced the first cylinder head gasket in Chicago in 1909.

Its standing in the world was greatly strengthened when Victor joined forces with Reinz of Germany in 1993.



Victor brothers: Circa - 1920's

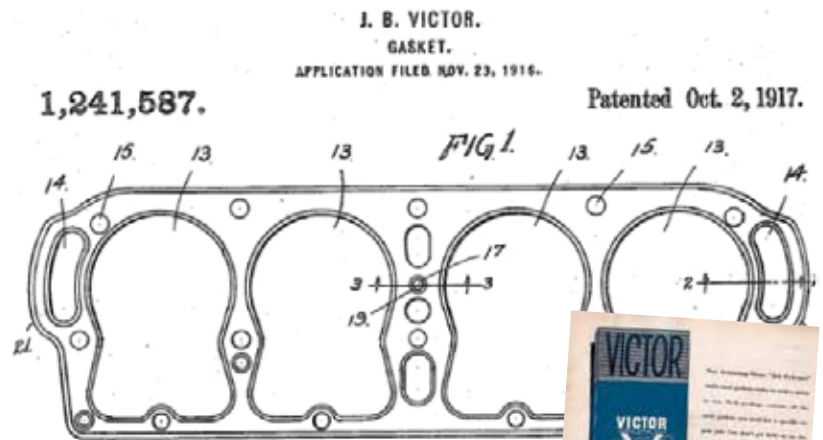


Dana: Circa - 2018

Victor Reinz has 19 major facilities in North America and around the world, including 8 Research & Development Centers.

These world-class gasket sets and sealing products are distributed by Dana Incorporated, directly to Dana's North American network of aftermarket channel partners.

The only way to make sure that you're getting Victor Reinz quality is to go right to the source—Dana.



**1909:**

Victor Gaskets factory opens in Chicago, IL.

**1929:**

Reinz Dichtungen factory opens in Berlin, Germany.

**1934:**

The innovative REINZ-SPEZIAL fabric gasket is granted a patent.

**1930's:**

Victor builds the first sealing research laboratory.

**1980's:**

Victor Reinz introduces Nitroseat® expanded graphite gasket for bi-metal engines.

**1990's:**

Victor Reinz® supplies MLS (multi-layer steel) head gaskets as original equipment.

**Today:**

Victor Reinz® offers new aftermarket solutions such as the MaxDry® family of precision-molded gaskets.



Dana World Headquarters - Maumee, OH



Dana/Victor Reinz Technology Center - New Ulm, DE

## Cylinder Head Gaskets

For secure, lasting macro and micro sealing, and protection against fuel, oil, water, and anti-freeze, Victor Reinz cylinder head gaskets deliver optimal service. Victor Reinz gaskets deliver OE-proven strength and resistance to extreme temperatures and high-combustion pressures, and Victor Reinz engineers choose the most effective materials and designs from the global resources of Dana Incorporated.

### Multi-Layer Steel (MLS) Gaskets

- Excellent durability and sealing, with no retorquing required
- Ability to seal engine castings with less than ideal surface finishes
- Featuring patented Wave-Stopper® technology

### Expanded Graphite Head Gaskets

- A durable seal that prevents coolant and oil leakage; frequently original equipment in bi-metal engines
- Accommodates head motion due to thermal expansion differences in cast iron engine blocks and aluminum cylinder heads
- Seals over a wide range of surface finishes

### Composite Head Gaskets

- An excellent choice for traditional cast-iron engines
- Coatings, saturants, and sealing beads often included to enhance fluid sealing



## Head Bolt Sets

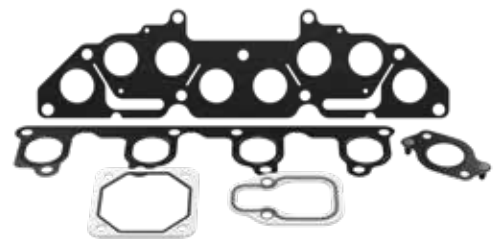
Using new head bolts for a cylinder head installation is always a good idea; however, on late-model engines that came from the factory with TTY (torque-to-yield) head bolts, replacement is an absolute necessity.

- Meets or exceeds OEM specifications
- Available for a variety of domestic and import applications

## Intake Manifold Gaskets

Withstand harsh environments, including exposure to extended-life anti-freeze. Victor Reinz intake manifold gasket set coverage includes upper manifold (plenum) gaskets, lower intake manifold gaskets and additional gaskets and seals as required. They're built to stand up to difficult-to-seal engine designs, tough operating conditions, and imperfect vehicle maintenance. Intake manifold gaskets are primarily constructed from one of four materials:

- Premium synthetic rubber polymer molded on a rigid carrier (may include compression limiters)
- Composite Paper (with or without coatings and sealing beads)
- Composite Paper on Steel Core (with sealing beads or embossments)



## Exhaust Manifold Gaskets

Victor Reinz has a long heritage of supplying gaskets to original equipment manufacturers, so Victor Reinz exhaust manifold gaskets meet OE specifications on a wide range of vehicles—going back decades or found on the latest models.



- Able to withstand temperatures of up to 1400°F
- Durable against wear and tear between manifolds and cylinder heads
- Ensures an effective seal as manifold flanges warp in extreme conditions
- Victor Reinz engineers choose from a variety of designs and materials including MLS (multi-layered steel) or steel-reinforced design

**For more information about Dana-backed Victor Reinz gaskets and other sealing products, visit [VictorReinz.us](http://VictorReinz.us) or contact your representative today.**

## Timing Cover Gasket Sets, Valve Stem Seal Sets, and Rear Main Bearing Seal Sets

Protect your engine with dynamic sealing solutions specified by original equipment manufacturers. In addition to oil seals, Victor Reinz timing cover gasket sets include the timing cover gasket and other components specified for your vehicle. Victor Reinz rear main seal sets contain both the rear main seal/carrier and seal carrier gasket when required.

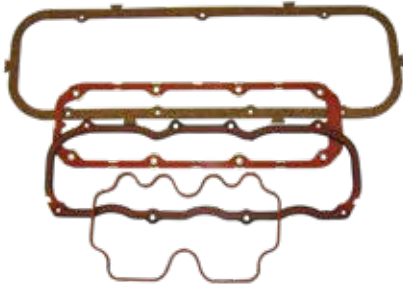
Oil seals are made with premium elastomers, such as high temperature synthetic rubber or PTFE, which offer:

- Low friction
- Minimum power consumption
- Able to be used in applications with minimal lubrication
- Thermal properties with a wide range of operating temperatures
- High chemical resistance
- Low breakaway torque after standstill



## Valve Cover Gaskets

Valve cover gaskets need to withstand high temperatures brought on by nearby exhaust manifolds, exhaust crossover in the cylinder heads, and EGR systems, while still maintaining their seal. Victor Reinz valve cover gaskets deliver the quality you demand. In addition, many gaskets are designed with compression limiters to prevent overtorquing, splitting, or the need to retorque.



### Precision Molded Rubber Gaskets

- Zero engine leakage for late model vehicles

### High Quality Cork-Rubber Gaskets

- Superior material quality for older engines that are designed for conventional gaskets

### Cork-Rubber Gaskets With Compression Limiters

- Featuring stoppers at bolt holes to reduce torque loss

### Special Construction Gaskets

- Engineered for the unique operating conditions of certain engines

## Oil Pan Gaskets

Built to meet or exceed the standard of original equipment manufacturers around the world—and avoid comebacks—Victor Reinz oil pan gaskets deliver the seal that prevents drops on the driveway.

### MaxDry® Molded Rubber-On-Rigid-Carrier Oil Pan Gaskets

- Featuring high-temperature silicone rubber precision molded on composite nylon or metal carriers

### MaxDry® Precision Molded Rubber Gaskets

- Designed with specific molded features that meet the specifications of today's engine components
- Often designed to fit in a gasket channel on the oil pan

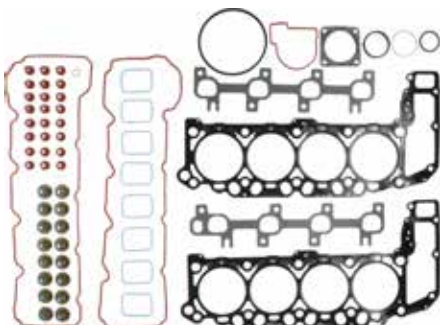
### High-Quality Cork-Rubber Material with Molded Rubber Seals

- Ideal for older engines designed for conventional gaskets



## Head Sets, Conversion Sets, and Full Sets

Whether you're a professional technician or skilled do-it-yourselfer, you need easy access to Victor Reinz quality at every level of the engine—all in one box and without any surprises.



### Head Sets

- Includes all gaskets and seals required to service the upper half of the engine
- Designed for the aftermarket repair environment
- Meets or exceeds OE specifications

### Conversion Sets

- Includes all gaskets and seals required to service the lower half of the engine
- State-of-the-art oil pan gaskets
- Premium rotating shaft seals

### Full Sets

- Every gasket and seal you'll need for an easy, complete engine repair

## MaxDry STL® Premium Steel Carrier Intake Manifold Gaskets

For the most demanding intake manifold applications, Victor Reinz offers MaxDry STL steel carrier gaskets. They feature an engineered cross section and premium FKM rubber sealing that's bead-molded onto corrosion-resistant aluminum steel carriers.

- Maximum endurance in extended life antifreeze (OAT coolant operating environments)
- For popular GM, Ford, Nissan, and Toyota engines
- Exclusive features for easier, trouble-free installation



## MaxDry MeshGuard™ Premium Ridged Carrier Intake Manifold Gaskets

Victor Reinz developed the MaxDry MeshGuard to maximize the lifespan of repaired or remanufactured Chrysler-produced V6 and V8 engines. These popular engines are found in late model Chrysler, Dodge/Ram, and Jeep vehicles.

- Stainless steel mesh in ports will not deteriorate
- Safeguards cylinders from damage
- Screen barrier filters out debris
- Compression limiters prevent over tightening for ease of installation



## A Full Line of Gaskets for European and Asian Vehicles, as well as Domestic Brands

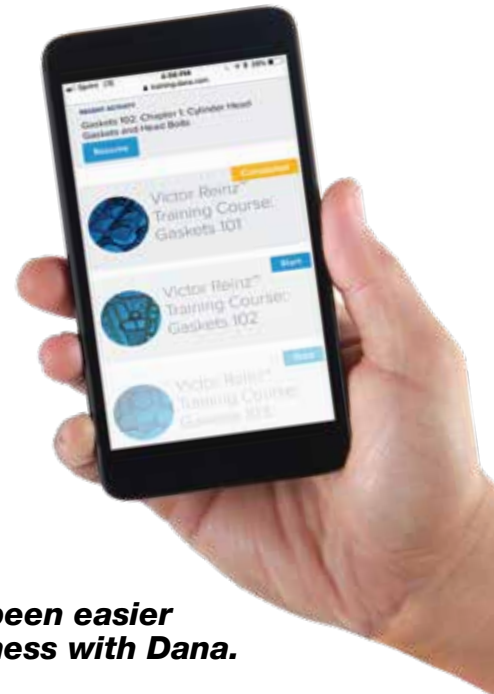
Over half of the new vehicles sold in North America carry foreign nameplates, regardless of whether they are manufactured in North America or overseas. Dana's global footprint provides Victor Reinz unique access to gasket technology for European and Asian vehicles. Foreign nameplate coverage is just part of the broad, and rapidly expanding, full line of Victor Reinz gaskets for domestic and foreign cars and light trucks.



## DanaAftermarket.com and Dana Training Academy™

Dana has made accessing genuine Spicer® and Victor Reinz® products even easier with the enhanced DanaAftermarket.com e-catalog and parts locator platform. Quickly identify parts with broad search capabilities, dynamic part descriptions, and extensive product resources.

The Dana Training Academy™ learning management system (LMS) for Victor Reinz gaskets is your personal learning center. Using slideshows and videos, this software application allows you to learn at your own pace and on your own schedule. Courses are divided into short but informative chapters, so learning is convenient and practical. You can be proud of the certificate earned at the end of each course.



***It's never been easier to do business with Dana.***

## VICTOR REINZ NUMERICAL PART NUMBER SYSTEM

### How to use:

- First 2 Digits Define Kit Type
- Middle Digits Designate Kit Contents
- Last 2 Digits Designate Internal Changes
- Clearly Defined Between a Set and Single Component

01-00000-00 = Complete Sets

02-00000-00 = Cylinder Head Sets

03-00000-00 = One Cylinder Sets

04-00000-00 = Turbo Charger Kits

08-00000-00 = Conversion Gasket Sets

10-00000-00 = Oil Pan Sets

11-00000-00 = Intake/Exhaust Gasket Sets

12-00000-00 = Valve Stem Sets

13-00000-00 = Oil Cooler/Strainer Sets

14-00000-00 = Cylinder Head Bolt Sets

15-00000-00 = Timing Cover Gasket Sets & Valve Cover Gasket Sets

41-00000-00 = Sealing Rings

51-00000-00 = Flange Gaskets

61-00000-00 = Cylinder Head Gaskets

71-00000-00 = Single Packed Gaskets

81-00000-00 = Oil Seals



# Aftermarket



**For the Lifespan of Your Vehicle,  
Trust the Family of Dana  
Aftermarket Brands.**

### Technology

Featuring products such as MLS (multi-layer steel head gaskets), MaxDry STL® and MaxDry MeshGuard™ intake manifold gaskets, and MaxDry® valve cover gaskets, the Victor Reinz name assures you that you're investing in gaskets that automotive manufacturers place their confidence in.

### Coverage

A full line of gaskets for Domestic, European, and Asian cars and light duty trucks. Victor Reinz has been a leading manufacturer and OE supplier of gaskets since 1909. Dana's global footprint provides Victor Reinz unique access to gasket technology for European and Asian vehicles on the road in North America.

### Quality

By trusting in Victor Reinz, you can be assured your parts are backed by Dana—an award-winning global supplier of drivetrain components and sealing products for a wide range of automotive, commercial, and off-highway vehicles.

[VictorReinz.com/Playbook](http://VictorReinz.com/Playbook)

Dana Aftermarket Group

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