

Electronic Connector Gasket Technology



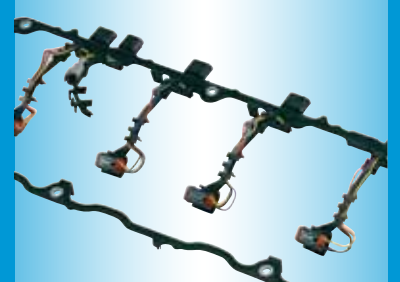
VICTOR REINZ®

Sealing Products



Advanced Gaskets – Smarter Than The Average Seal.

More than a sealing element, an electronic 'window' connector gasket also provides power connections for a variety of plug-ins. Integrating sealed wiring connections directly into the gasket removes potential leak paths and eliminates excess machining costs.



Electronic Connector Gasket Technology

Power Connections Through Sealed Enclosures

By providing an integrated, molded, sealed electronic window connector through the gasket, this patented technology allows an electronic signal to be passed through the gasket via the wiring harness, instead of the mating components. Assembly and service are facilitated because the electrical connections are completed before the mating components are assembled, thus allowing removal of the mating components during service without disturbing sensitive connections. This technology is valuable for many different applications.

Product Features

- Integrated, molded electronic window provides power connections for:
 - Solenoids
 - Actuators
 - Displacement-on-demand
 - Sensors
 - Fuel injectors
 - Glow plugs
- Integrated wiring harness
- Heat and fluid resistant
- Multiple conductor sizes

Product Benefits

- Complexity reduction/cost reduction
- Ease of assembly
- Elimination of potential leak paths
- Improved serviceability
- Robust and reusable gasket
- Improved harness routing



System Integration

Valve cover connector gaskets can be designed simultaneously with Victor Reinz® valve cover modules – two integrated solutions from one supplier.



Continuity Robustness

Each connection on the window gasket is checked to ensure signal integrity from each circuit.



Electronic Integration

The valve cover electronic connector gasket is installed on the cylinder head with the connectors providing current to the injectors and glow plugs. In addition, the technology is used to transfer signals from sensors inside the engine to the engine control module.



100% Leak Tested

Gaskets are leak tested prior to shipment, ensuring a positive seal.

Applications

- Gaskets
- Cam covers
- Transmission pan modules
- Oil pan gasket assembly

Supported by years of expertise, Dana has designed multiple variations of pass-through connections that include up to 32 circuits in a single gasket for powering and controlling sensors, valves, and fuel injectors.

Single and double row configurations exist to optimize circuit density and aid in wire routing. As a design partner, Dana can customize the connector gasket to interface with the customer's existing connector technology, saving time and money. Flexibility to design the connector almost anywhere on the gasket makes it easier for designers to work with tight space restrictions while keeping wire lengths optimized for reduced cost.

Dana Power Technologies Group

Global Research and Development Locations

Lisle, Illinois, USA
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For more information, please call 1-888-670-DANA (3262) or visit www.dana.com

Application Policy

Capacity ratings, features, and specifications vary depending upon the model and type of service. Application approvals must be obtained from Dana; contact your representative for application approval. We reserve the right to change or modify our product specifications, configurations, or dimensions at any time without notice.