

Genuine Volvo Penta Parts

INJECTOR & UNIT INJECTOR

Precision fuel delivery with Volvo Penta Injectors

Injectors are crucial for ensuring optimal engine performance and fuel efficiency. Designed to deliver the precise amount of fuel at the right moment, they help achieve the highest performance with minimal emissions.

Precision and performance

Injectors and unit injectors are vital for delivering the correct fuel amount at the right pressure and timing, ensuring optimal engine performance and emission levels.

By achieving the perfect fuel spray, Volvo Penta injectors maximize power while minimizing fuel consumption and emissions.

These components are engineered to withstand extreme conditions, including high pressure and temperature, ensuring durability and reliability.

Their advanced design contributes to smoother engine operation and prolonged service life.





Features and benefits of Volvo Penta Injector and Unit injector

Features	Benefits
Precision engineering	· Ensures fuel efficiency and meets emission standards with precisely dimensioned nozzle holes.
Durability	· High-quality materials withstand vibrations, high pressure and temperatures up to 390°C.
Reliability	· Elastic sealing rings maintain their integrity under extreme conditions, ensuring uptime and efficiency.
Extensive testing	· Each injector is tested to ensure optimal performance and interaction with other engine components.
Circular Parts Program	· Reman injectors and unit injectors are available to minimize downtime, ensuring compliance with emission standards and optimal engine performance.

Volvo Penta Circular Parts concept

Volvo Penta Circular Concept includes both Reman and Refurb parts, offering sustainable, high-quality solutions that support a circular economy. It provides customers with flexible options with warranty coverage, promoting environmental responsibility.

Why choose Volvo Penta Circular Parts?

Volvo Penta Reman Injectors and Unit injectors offer the same performance and lifespan as new ones.

They are remanufactured according to original specifications, ensuring total cost of ownership, performance and durability.

Avoid third-party risks by choosing genuine Volvo Penta parts, which guarantee exact matches with engine software and specifications.

How to purchase

Contact your authorized Volvo Penta dealer to select the right injector or unit injector for your engine. Ensure optimal performance and reliability with genuine Volvo Penta parts.

Technical information

Volvo Penta Genuine Injectors and Unit Injectors are high-precision components engineered to perform under extreme conditions.

Each injector is crafted from carefully selected, high-quality materials. Its internal parts are manufactured to micron-level tolerances - for comparison, a human hair is about 40 microns wide.

The component is built to withstand pressures up to 2000 bar, temperatures up to 390°C and constant vibration within the combustion chamber.

Sealing between the injector body and the cylinder head is secured with durable O-rings that retain elasticity under high stress and chemical exposure.

The nozzle holes are precisely engineered in angle, diameter and shape to ensure an optimal spray pattern for efficient combustion of the fuel-air mixture. Any deviation can result in:

- Reduced engine performance
- Increased fuel consumption
- Higher emissions

Application-specific testing

Each injector is developed and rigorously tested for its engine model.

This ensures perfect interaction with surrounding components, optimized fuel efficiency, and full compliance with Volvo Penta's strict internal standards - beyond the already demanding supplier specifications.



These injectors are built for long service life in both industrial and marine applications.

Correct installation matters

To ensure peak performance, service should be carried out by certified Volvo Penta technicians using approved tools and methods. Key service requirements include:

- Use of Volvo Penta service information to follow correct procedures
- Identification of all necessary replacement parts ahead of service
- Calibration of unit injectors via VODIA using individual trim codes

Only by using genuine Volvo Penta parts and authorized service can you secure the highest levels of uptime, fuel efficiency and engine reliability.



V O L V O P E N T A