

**Gaured, the result of a pioneering spirit**

Gaured was founded by Auto Elect B.V. The company started in 1988 as a specialist in the overhauling of starter engines and dynamos. The philosophy behind this was: Why throw something away if you can repair and reuse it? With the advent of the manufacturing giant China, the focus shifted from starter engines and dynamos to the market for hydraulic power steering systems. A system that spread from the high segment to the mid and low segment of cars, offering opportunities for pioneer company Auto Elect.

In addition to the revision of hydraulic power steering systems, around 2005 the company began to focus on the introduction of computers and data traffic in cars in the context of electronic power steering. Auto Elect invested heavily in knowledge, and the company is currently leading in Europe in terms of experience, expertise and innovation in this area. This knowledge and expertise is applied in practice in the development and building of unique test equipment that is used to test the products of Gaured before delivery. Tested twice to make sure: sensors for sure!

**No 'order picking', but product development**

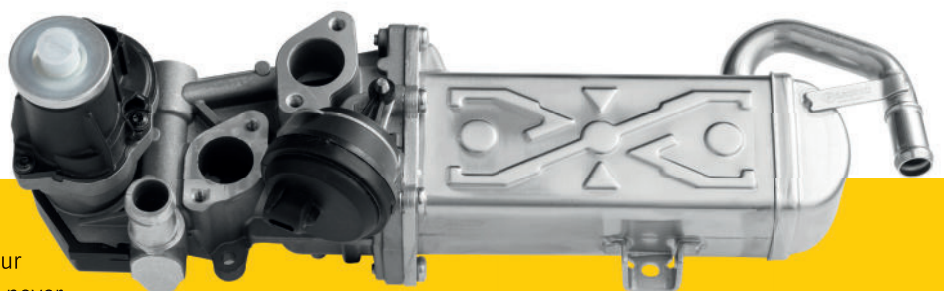
All Gaured products are developed and produced in-house. The production process is guided and monitored from start to finish. To guarantee the quality of our products, every product is tested again before delivery. No spot checks - every product is individually tested on the test bench. For this purpose Gaured R&D is continuously developing and building new test equipment. This equipment is used in the production process and for testing prior to product delivery. The result: products delivered with a 100% quality guarantee. What makes these products unique is that Gaured has all the knowledge and expertise.

**Knowledge is key**

Gaured products are equivalent to or even better than OEM products. We constantly monitor the market, analyse problems, and come up with solutions for them. On the basis of this information, product development is initiated or adapted using the 'reverse engineering' concept. The starting point is always that quality must be guaranteed, without obstructing necessary modifications to our products.

**What is the value of a guarantee?**

'Problems are more costly' is a favourite phrase at Gaured. It is better to test twice to make sure your product is perfect than to just wait and see whether the product does what it is supposed to. Because a defective product will always lead to costs, delays, frustration, and the risk of losing a customer. Gaured will do everything to prevent this. For example by only delivering sensors and products that have been tested twice.

**Testing is all important**

With every Gaured part we give our customers the guarantee that we never build in a part for no reason. This prevents frustration. After all: the part is guaranteed to work properly. Of exceptional quality, and tested twice. In the unlikely case that, despite all this, a product does not work properly, Gaured will respond immediately to resolve the problem. Such a service orientation is only found with enthusiastic technicians who regard a problem as a challenge.

**WWW.GAURED.COM****TESTING IS ALL IMPORTANT**

“Car electronics are beautiful; the world is getting cleaner...”

There are over 1.2 billion cars on the road, worldwide. The turnover of the car industry and related industries runs into billions of dollars. By taking the environment and the circular economy into account as a sustainable starting point for every part and for every aspect of the business we can quickly make a huge difference. This is our responsibility in the car industry. That is why we

really need computers in cars. They offer us the opportunity to monitor all processes (and to achieve a combustion that is as clean as possible. Because of the NOx emission, disabling the EGR is very harmful to humans and the environment). Sensors are crucial in this process.

## EGR Valve

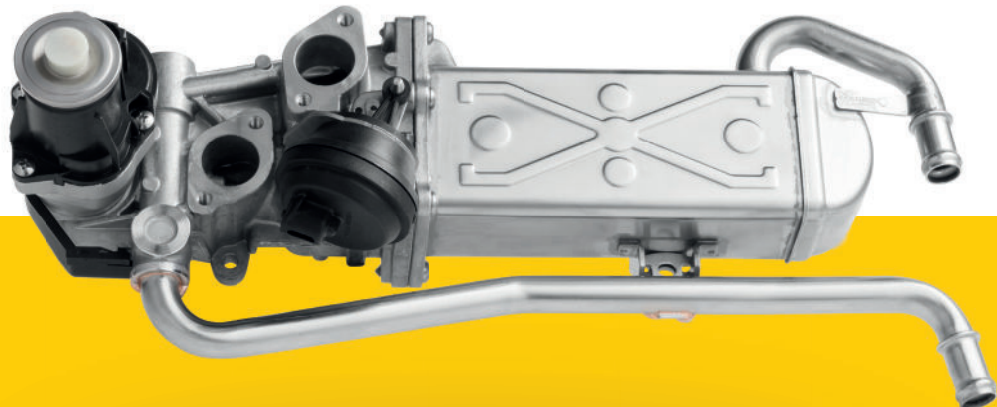
An EGR Valve is a regeneration system that ensures that exhaust gases contain fewer harmful substances, such as nitrogen dioxide. The fuel and oxygen are burned. In combination with filters this ensures that the emission of the pollutants of an internal combustion engine, which are harmful to the environment, is reduced.

**What causes the EGR Valve to fail?** An EGR Valve reduces the emission of harmful exhaust gases. In the process the valve gets contaminated, resulting in loss of performance. This can ultimately result in engine damage.

**How can this be resolved?** When the EGR does not work properly, it is advisable to clean the entire exhaust circuit. But it is even better to replace the EGR as a precaution to prevent pollution and loss of engine performance.

**Why install a Gaured EGR Valve now?** Using the reverse engineering concept, we have implemented many improvements, such as:

- 1 Use of better quality materials for different parts, leading to a longer lifespan
- 2 A modified cooler with much improved functionality
- 3 Improved gaskets, which hugely improves heat transmission
- 4 The finishing of the product has been greatly improved
- 5 After testing in the production process, each product is tested again before it is delivered



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**GAURED, SENSORS FOR SURE!**