

E-MOBILIZING: WELCOME, NAGARES!

Now included in the MAHLE Aftermarket portfolio:
solutions for vehicle electronics

NEW



TWO TOP TEAMS: MAHLE AND NAGARES

With around 77,000 employees, MAHLE is represented in all global markets. At 16 major development centers in Germany, Great Britain, Luxembourg, Spain, Slovenia, the USA, Brazil, Japan, China, and India, 6,000 MAHLE engineers and technicians are working on products and concepts for the mobility of tomorrow.

As a global development partner for the international automotive and engine industry, MAHLE stands for innovative, efficient solutions in the areas of engine systems, filtration, thermal management, and electrics/mechatronics.



The Spanish electronics specialist Nagares develops and produces control and power electronics for electric auxiliary components, thermal management systems, and e-mobility. Its portfolio includes the following products:

- **Actuators and switches**
- **Electronic products such as diesel glow plugs and Nidervolt motor control units, acoustic warning signal controllers or battery separation electronics**
- **High-performance electronics like the DC/DC converter**
- **Various sensors**



Nagares was founded in 1971. Today, at its three locations (Mortilla del Palancar, Valencia, and Valladolid), it employs around 460 people, of whom 12 percent work exclusively in research and development.



Not only do MAHLE and Nagares have identical customers and markets—they both stand for innovative mobility solutions and excellent performance when it comes to quality and service.

HIGH PERFORMANCE FOR ALL MOBILITY CONCEPTS

The two companies’ product ranges complement each other perfectly. For a long time, Nagares has supplied various MAHLE business units with control and power electronics. The electronics specialist has been part of the MAHLE Group since May 2017 and was integrated into the Mechatronics division as the BXE product division.

In the future, the spare parts business of MAHLE Nagares will be included under the MAHLE brand as part of the MAHLE Aftermarket business unit. This means that the innovative electronics components from MAHLE Nagares will benefit from the image and well-developed distribution network of MAHLE, a globally established quality brand.



IF IT SAYS MAHLE ON THE OUTSIDE, IT’S NOW GOT VEHICLE ELECTRONICS ON THE INSIDE TOO

The packaging design for MAHLE Nagares products will eventually change, but during this transitional phase, they will be labelled with the MAHLE part number.



IT’S STILL TRUE: IF IT SAYS MAHLE ON THE OUTSIDE, IT’S GOT ORIGINAL EQUIPMENT QUALITY ON THE INSIDE

Members of the same family usually share a surname, and that’s why the MAHLE Nagares products will be given new names—making it immediately obvious that they have the high product quality offered by MAHLE Aftermarket.

The letter combinations stand for the following parts:

Product category	Product group	Product name	MAHLE sales naming
 Actuators and switches	Switches/ relays/ coils/ flashers/ connectors/ timers	Flashers	MFL
		Relay connectors	MRC
		Timers	MT
		Relays	MR
 Electronics	Heater control units Acoustic warning device control units Motor controllers Electronic battery disconnects Other electronics	Diesel glow plug controllers	MHG
		Warning devices	MEWD
		Electronic horns	MWH
		Low-voltage motor controllers	MELM
		Electronic battery disconnects	MB
 Sensors	Other electronics	Electronic units	MECU
		Temperature sensors	MST
		Crankshaft sensors	MSC
		Water sensors	MSW
		Other Sensors	MSO
 High-performance electronics		DC/DC converters/ transformers	MPD



Greater added value for trade and workshop:

- **Global MAHLE network with a personal contact on site**
- **An even bigger product range from a single source—for all mobility solutions**
- **Comprehensive technical support from the MAHLE Aftermarket product specialists**
- **Knowledge transfer at MAHLE Aftermarket product training sessions**

Even more benefits:

- **Control and power electronics for passenger cars and commercial vehicles in uncompromising original equipment quality from MAHLE Nagares**
- **Many years of expertise in vehicle electronics development and manufacturing in the new Electronics product division**
- **Access to the expanded product range, which now includes pioneering electronics applications and is constantly adapted to market requirements**

MAHLE Aftermarket GmbH
Pragstraße 26–46
70376 Stuttgart/Germany
Phone: +49 711 501-0

www.mahle-aftermarket.com
www.mpulse.mahle.com