

Press release

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The MAHLE air conditioning condenser—a high performer in an exposed position

- Air conditioning condensers for hybrid and electric vehicles are even more operationally relevant than those for conventional vehicles
- Checks and maintenance in the event of accidents, corrosion, or stone impact are crucial
- MAHLE ensures global spare parts supply with 21 logistics centers

Installed in an exposed position at the vehicle front, air conditioning condensers are at greater risk of damage. This is far more than just a comfort issue, because a reliably functioning air conditioning system is essential, especially for hybrid or electric vehicles, whose batteries and power electronics have to be cooled. In these vehicles, failure may result in the vehicle coming to a standstill or damage to components. With its 21 logistics centers worldwide, MAHLE reliably meets global demand for air conditioning condensers from independent workshops.

“The increasing prevalence of hybrid and electric vehicles is changing the significance of the air conditioning service. This is resulting in higher service volumes for the workshops,” says Olaf Henning, Corporate Executive Vice President and General Manager MAHLE Aftermarket.

“When workshops educate people about the importance of the air conditioning service, they are protecting their customers’ vehicles from damage and ensuring they remain mobile. Of course, MAHLE supports the workshops by supplying information material, training, and our proven A/C service and diagnostics solutions,” Henning continues.

The purpose of the air conditioning condenser is to cool down and liquefy the refrigerant that has become heated during compression in the air conditioning compressor. The hot refrigerant gas flows into the condenser,

discharging heat to the surroundings via the pipe and fins. As a result of the cooling, the refrigerant then leaves the air conditioning condenser in a liquid state. A defect in the air conditioning condenser will reduce cooling capacity or even cause the entire air conditioning system to fail. It often also results in the condenser fan running continuously. If such a defect is suspected, workshops are advised to check for leaks, contamination, and damage and to perform a pressure test on the high- and low-pressure sides.

In 2020, its anniversary year, MAHLE Aftermarket has approximately 1,200 different air conditioning condensers for passenger cars, delivery vans, and commercial vehicles in its range. When purchasing, MAHLE Aftermarket's customers benefit from its extensive expertise in the OEM business, 100 years of experience in the development and production of components for vehicles, and more than 30 years of experience in the area of A/C service.

About MAHLE

MAHLE is a leading international development partner and supplier to the automotive industry as well as a pioneer for the mobility of the future. The group's product portfolio addresses all the crucial issues relating to the powertrain and air conditioning technology—both for drives with combustion engines and for e-mobility. In 2018, the group generated sales of approximately EUR 12.6 billion with more than 79,000 employees and is represented in over 30 countries with 160 production locations.

About MAHLE Aftermarket

MAHLE Aftermarket, the business unit specializing in spare parts, uses the expertise from the series production of original equipment in its automotive aftermarket product range and supplies trade, workshop, and engine repair partners. The portfolio also includes products developed by MAHLE Service Solutions for workshop equipment as well as comprehensive services and customized training programs.

MAHLE Aftermarket is represented at 25 locations and other sales offices worldwide, with around 1,700 employees. In 2018, the business unit achieved a global sales volume of over EUR 928 million.

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