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Press Release

Schaeffler expands repair solutions for electric drives: Comprehensive portfolio for e-axle repairs now available

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- Schaeffler E-Axle RepSystem-M and RepSystem-G now cover a wide range of electric vehicle models, including the Hyundai Ioniq AE-EV, Volkswagen eGolf VII and eUp, BMW I3, and Nissan Leaf
- Complete kits provide precisely matched components, professional repair procedures, and cost-effective alternatives to replacement
- Schaeffler VLS empowers workshops to carry out safe and efficient e-axle repairs with specialized tools, training, and services

Schaeffler Vehicle Lifetime Solutions (VLS) is systematically expanding its offering of repair solutions for electric powertrains. Following the successful launch of the initial E-Axle RepSystem-G and RepSystem-M solutions in 2022 and 2024, Schaeffler is now introducing a significantly expanded portfolio for the repair of e-axles and their subsystems, such as electric motors and transmissions.

Effective immediately, repair systems for the transmission (E-Axle RepSystem-G) and for the electric motor (E-Axle RepSystem-M) are available for these vehicle models: Hyundai Ioniq AE-EV, Volkswagen eGolf VII with 100 kW and 85 kW, Volkswagen eUp, BMW I3, and Nissan Leaf.

Empowering workshops to easily repair electric drives

With this expansion, the company is taking another step towards guiding workshops safely through the technical requirements of e-mobility. The new repair solutions cover a wide range of common electric vehicle platforms, bundling all necessary components for repair into a single kit, along with a clearly structured repair guide. Workshops benefit from a broad selection of vehicle-specific repair systems and gain a cost-effective and sustainable alternative to replacing complete e-axles.

At the same time, Schaeffler Vehicle Lifetime Solutions continues to expand its range of digital training offerings and repair information under the REPXPERT service brand. The aim is to equip workshops with the technological know-how they need for e-mobility and to enable them to repair modern electric drive systems safely, efficiently, and independently.

“The repair of electric drive systems is becoming a key success factor in the aftermarket,” says Stephan Niese, Director Global Product Management E-Mobility

at Schaeffler Vehicle Lifetime Solutions. “We make these repairs manageable and economical for workshops. With the right components, tools, and training, workshops can professionally and safely repair e-axles.”

E-Axle Repair Tool: Professional assembly and disassembly of electric motors

All E-Axle RepSystem-M repairs can be carried out using the E-Axle Repair Tool developed by Schaeffler, ensuring the proper repair of electric powertrains. This special tool enables the safe and contact-free disassembly and assembly of the rotor and stator, ensuring precise positioning of the components. This is particularly important to prevent wear that could potentially lead to motor damage.

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Schaeffler Group – We pioneer motion: The Schaeffler Group has been driving forward groundbreaking inventions and developments in the field of motion technology for 80 years. With innovative technologies, products, and services for electric mobility, chassis solutions, and renewable energies, the company is a reliable partner for making motion more efficient, intelligent, and sustainable – over the entire life cycle. Schaeffler describes its comprehensive range of products and services by means of eight product families: from bearing solutions and all types of linear guidance systems through to repair and monitoring services. With around 110,000 employees and more than 250 locations in 55 countries, Schaeffler is one of the world’s largest family-owned companies and ranks among Germany’s most innovative organizations.

When it comes to e-axle repair, Schaeffler Vehicle Lifetime Solutions is an expert in electric drive systems Photo: Schaeffler

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The Schaeffler E-Axle RepSystem-G enables transmission repairs for technically advanced electric vehicles Photo: Schaeffler

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The Schaeffler E-Axle RepSystem-M enables professional replacement of bearings in electric motors Photo: Schaeffler

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