Press Release

Major extension of LuK RepSet 2CT portfolio

Schaeffler launches new dry and wet double clutch repair solutions for the Automotive Aftermarket

LANGEN, 2018-10-18. With its LuK RepSet 2CT, Schaeffler is not only the first, but until now the only company on the spare parts market to offer a repair solution for dry double clutches. Schaeffler has now extended this portfolio with new applications for Fiat, Renault and Smart models. Furthermore, the LuK RepSet 2CT from Schaeffler is now also available for vehicles of the VW Group using wet double clutches.

Changing gears without an interruption of power transmission is a major advantage for drivers of vehicles with a double clutch. This innovative product ensures more driving comfort and lower fuel consumption at the same time. Schaeffler recognized early the potential of this technology for the Automotive Aftermarket and became a pioneer in double clutch repair when it developed the LuK RepSet 2CT repair solution. As the latest addition, the Aftermarket division now also has this repair solution for the Smart Forfour and Fortwo, the Renault Twingo (all three gasoline models with the 6-speed 6DCT250 transmission), for additional vehicles of the Fiat Group (gasoline and diesel versions of Fiats, Alfa Romeos and Jeeps with the 6-speed FPTC635 DDCT gearbox) and for Suzuki (gasolines and diesels with the 6-speed TCSS transmission) ready. In addition, Schaeffler now also offers repair solutions for the wet double clutches used by Audi, Seat, Skoda and Volkswagen (with the 7-speed DQ500 gearbox).

“With these new applications for both dry and wet double clutches, we once again demonstrate our innovative power and our long years of competence in clutch repair,” said Rouven Daniel, Head of Transmission Systems at Schaeffler Automotive Aftermarket. “Our global market coverage in the clutch segment is already over 80 percent and it will increase further.”

The principle behind double-clutch technology is complex. Simply explained: At the same moment, one clutch is transmitting torque while the second clutch is being positioned for the next gear. This facilitates smooth shifting from one gear into another without a drop in power transmission or performance. The dry double clutch is used especially in vehicles with lower torque, because the heat resulting from this cannot dissipate otherwise. In contrast, the wet double clutch is used mostly for vehicles with especially high drive torque of over 250 Nm. Due to the oil cooling it enables the transmission of higher torque levels. In this version, the heat that results during shifting and accelerating from a standing start dissipates in the oil circuit.
Whether it’s a dry or wet version, every LuK RepSet 2CT not only comes with the double clutch, it also contains all components required for repair that have been precision-tuned for replacing a specific double clutch system. This product is completed by the appropriate modular special tool system that is required for replacing the double clutch. The vehicle-specific tool sets for each application can easily be combined with the basis tool set.

Every LuK RepSet 2CT, and every special tool case, comes with detailed information about the technology and installation in eight languages. You can find this, and additional information about these repair solutions, along with the entire portfolio of the Automotive Aftermarket division from Schaeffler, at the REPXPERT online portal (www.repxpert.com). Here registered users have access to all technical information like installation videos and technical brochures.

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The Schaeffler Group is a leading global supplier to the automotive and industrial sectors. The portfolio includes high-precision components and systems for engine, transmission, and chassis applications as well as rolling and plain bearing solutions for a large number of industrial applications. The Schaeffler Group is already shaping “Mobility for tomorrow” to a significant degree with innovative and sustainable technologies for electric mobility, digitalization, and Industry 4.0. The technology company generated sales of approximately 14.4 billion euros in 2019. With around 84,200 employees, Schaeffler is one of the world’s largest family companies and, with approximately 170 locations in over 50 countries, has a global network of manufacturing locations, research and development facilities, and sales companies. With almost 2,400 patent applications in 2019, Schaeffler is Germany’s second most innovative company according to the DPMA (German Patent and Trademark Office).

Press picture
The LuK RepSet 2CT from Schaeffler is now available for the Smart Forfour and Fortwo, and the Renault Twingo. This repair solution allows garages to conduct fast and simple double clutch replacement. It comes with all accessory parts precision-tuned to work perfectly together. Besides guide sleeves, snap rings, and fastening screws, it also comes with the engagement actuators (the engagement lever and bearing).

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Press picture
For the first time, the LuK RepSet 2CT from Schaeffler is now available for wet double clutches as well – for models of the Audi, Seat, Skoda, and Volkswagen brands (with the 7-speed DQ500 transmission).

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Press picture
For professional replacement of a wet double clutch, Schaeffler also has the appropriate special tools in its portfolio.

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The wet double clutch assembly – (from left) the outer hub support, plate stack clutch 2, support ring, snap ring clutch 2, inner hub support clutch 2, plate stack clutch 1, inner hub support for clutch 1, driving disc with engagement hub, snap ring for driving disc.

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The Automotive Aftermarket division is responsible for Schaeffler's global spare parts business and delivers components and holistic repair solutions for passenger cars, light and heavy commercial vehicles and tractors. Thanks to its comprehensive understanding of transmission, engine and chassis systems, the company has a reputation for technical excellence, intelligent solutions and outstanding services. With more than 1,700 employees, the Automotive Aftermarket division of Schaeffler generated sales of approximately 1.9 billion euros in 2018. Around 11,500 sales partners, and more than 70 sales and representative offices around the world, ensure a plus in customer proximity.

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