



Latest Bosch HDEV6 high-pressure injection valve is now also available on the aftermarket

November 17, 2021

Growing aftermarket business related to maintenance and repair of gasoline direct injection engines

- ▶ Latest generation of high-pressure injection valve technology complements the Bosch aftermarket range
- ▶ Growing number of vehicles with direct injection systems due to hybridization
- ▶ Modern repair concepts, spare parts and the new BTG 5120 tool kit for professional servicing of high-pressure injection valves

Karlsruhe - In 2023, more than half of all newly approved combustion engines will be equipped with gasoline direct injection (GDI) systems. As a result, there is also a growing demand for repair and servicing of GDI engines. The number of vehicles equipped with Bosch gasoline direct injection systems is also continuously growing. In order to enable workshops to perform repair tasks on these systems, Bosch now expanded its aftermarket range with DEV6 high-pressure injection valves. Following on from HDEV5, it is the latest generation of high-pressure injection valve technology. HDEV6 high-pressure injection valves are designed for nominal injection pressures of up to 350 bar.

Additional growth through hybrid powertrain concepts

Gasoline direct injection engines stand out for their high performance combined with low consumption and emissions. Engine developers also rely on gasoline direct injection systems for the combustion engines of hybrid powertrain concepts. The market related to the large amount of direct injection systems already in operation will continue growing thanks to powertrain hybridization. Car manufacturers are currently equipping more and more engines with HDEV6. Bosch supports workshops providing know-how, repair kits and suitable spare parts – such as the most recently included HDEV6. This allows automotive workshops to increase their turnover potentials benefiting from this growing service market.

Professional repair using BTG 5120 tool kit

For diagnoses and removal of Bosch high-pressure injection valves, Esitronic 2.0 Online diagnostic software includes error and signal patterns, measured values as well as disassembly and installation instructions. In case, a removed high-pressure injection valve is to be reinstalled after ultrasonic cleaning, for instance, among other things, the seal rings need to be replaced. For this specific purpose, Bosch developed the BTG 5120 tool kit. It allows professional replacement of combustion chamber sealing ring (Teflon seal), O-ring and decoupling elements of almost any HDEV5- and HDEV6-type injection valve. The compact case comprises a special pair of pliers, calibration sleeves and pilot cones. Furthermore, there are also Bosch-produced video instructions available online which explain the removal and installation of high-pressure injection valves.

<https://youtu.be/qB8DdJsNPnU>

Press photo: #ddcbdbb3, #7be8dc32, #7f436294

Contact person for press inquiries:

Nico Krespach

Phone: +49 721 942 2209

The Automotive Aftermarket division (AA) provides the aftermarket and repair shops worldwide with modern diagnostic and repair shop equipment and a wide range of spare parts – from new and exchange parts to repair solutions – for passenger cars and commercial vehicles. Its product portfolio includes products made as Bosch original equipment, as well as aftermarket products and services developed and manufactured in-house. About 14,000 associates in more than 150 countries, as well as a global logistics network, ensure that spare parts reach customers quickly and on time. AA supplies testing and repair-shop technology, diagnostic software, service training, and information services. In addition, the division is responsible for the “Bosch Service” repair-shop franchise, one of the world’s largest independent chains of repair-shops, with some 15,000 workshops, and more than 1,000 “AutoCrew” partners.

Additional information can be accessed at www.boschaftermarket.com

The Bosch Group is a leading global supplier of technology and services. It employs roughly 395,000 associates worldwide (as of December 31, 2020). The company generated sales of 71.5 billion euros in 2020. Its operations are divided into four business sectors: Mobility Solutions, Industrial Technology, Consumer Goods, and Energy and Building Technology. As a leading IoT provider, Bosch offers innovative solutions for smart homes, Industry 4.0, and connected mobility. Bosch is pursuing a vision of mobility that is sustainable, safe, and exciting. It uses its expertise in sensor technology, software, and services, as well as its own IoT cloud, to offer its customers connected, cross-domain solutions from a single source. The Bosch Group’s strategic objective is to facilitate connected living with products and solutions that either contain artificial intelligence (AI) or have been developed or manufactured with its help. Bosch improves quality of life worldwide with products and services that are innovative and spark enthusiasm. In short, Bosch creates technology that is “Invented for life.” The Bosch Group comprises Robert Bosch GmbH and its roughly 440 subsidiary and regional companies in some 60 countries. Including sales and service partners, Bosch’s global manufacturing, engineering, and sales network covers nearly every country in the world. With its more than 400 locations worldwide, the Bosch Group has been carbon neutral since the first quarter of 2020. The basis for the company’s future growth is its innovative strength. At 129 locations across the globe, Bosch employs some 73,000 associates in research and development, of which nearly 34,000 are software engineers.

To learn more, please visit www.bosch.com, www.iot.bosch.com, www.bosch-press.com,
twitter.com/BoschPress.