

# Tips & Technology

## For Bosch Partners

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**BOSCH**

Invented for Life

## Gasoline injection

### Jetronic set for fuel injection systems

#### Ultra-refined technology at its best

Gasoline injection systems are made from precision mechanical and electronic components. If a component is faulty or settings and parameters are changed, the system loses its equilibrium. Consequently, the vehicle loses power, or breaks down completely. In cases like this, the right special tool is a basic prerequisite for reliable repair.



In close consultation with the development departments of the OE divisions, Bosch begins on the targeted and continual development of special service tools for components and systems at an early stage. In this way, we ensure that new systems can be reliably diagnosed and repaired right from the start.

A broad range of high-quality tools and thoughtfully combined workshop sets for all types of repairs are at the workshop professional's disposal. On the following pages, we present the Jetronic set.

### The complete set for the discerning professional

For pressure measurements to ensure reliable, successful and economical repair and for leak tests following repairs to Jetronic systems, an extensive range of special tools and utensils is required. Bosch has combined all this equipment for work of this kind in the Jetronic set, with part number 0 986 615 100.



In addition to a 16-piece tool kit with diverse combination wrenches and screwdrivers, the set also contains CO adjustment tools (for various BMW vehicles), hose clamps, hoses, adapters, connection parts, valves, plug-in nipples, seal sets and two pressure gauges (0 to 10 bar and -1 to 1.5 bar). All hoses are equipped with a plug-in system to ensure fast, secure and problem-free connection.

Thanks to the generously designed and versatile connection options and bleeder valves fixed to the pressure gauges, all pressure measurements and leak tests on fuel, intake manifold and cooling systems can be performed with adherence to the most stringent safety requirements. This is why both pressure gauges feature fixed bleeder valves, so that the fuel circuit can be removed without pressure. The low-pressure gauge includes a restrictor and a stop, and is therefore secure against excess pressure.

All hoses have a smooth surface structure. This ensures less wetting from fuel, and means that dirt and other impurities can only settle with difficulty.

The Jetronic set is employed in low-pressure central injection systems, Mono-Jetronic, Motronic, K-/Ke- and L-Jetronic and injection systems from other manufacturers, as well as for intake manifold systems in naturally aspirated and turbo engines.

### **Safety first**

When working on gasoline injection systems, please pay attention to the following safety instructions, and always keep them in mind in your own interests and the interests of your employees.

- Before opening connections in the fuel circuit, always turn off the engine, switch off the ignition and make sure that the electric fuel pump is not running.
- Always open screwed joints in the fuel circuit slowly and with care, so that any pressure still present can be dissipated.
- Do not get fuel in your eyes. Avoid contact with the skin.
- Do not inhale fuel vapors. Always work with the workshop extractor system switched on.
- Catch escaping fuel immediately. Never allow fuel to get onto hot engine parts.
- Always note the instructions in the SIS guides to the vehicle.
- On completing work, always visually inspect the fuel system to ensure it is tight.

### **Learn and save**

Why not join one of our special further training courses on the topic of gasoline injection? This will equip you for the future and for all challenges.