

## Bosch K Jetronic Fuel Injection Shop Service Repair Manual

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### Bosch K Jetronic Fuel Injection

The Bosch Continuous Injection System, Fig. 36, is a mechanically and continuously operating fuel injection system which does not have to be driven by the vehicle engine. The fuel is pumped by an electrically-driven roller cell fuel pump.

### Fuel Injection - Bosch K-Jetronic (CIS) | electric equipment

In more elaborate terms, Kjet is a Continuous Injection System (commonly called CIS), where unlike later L-Jetronic or "standard" Electronic Fuel Injection, the injectors do not pulse open and closed; once the system pressure is high enough they all inject a constant spray of fuel, in all cylinders at once, which is varied in volume by the system depending on various factors.

### Bosch K-Jetronic - Part 1, The Basics - Tastes Like Petrol

Mechanical fuel injection, 'K' stands for German: "Kontinuierlich", meaning continuous. Commonly called 'Continuous Injection System (CIS) in the USA. K-Jetronic is different from pulsed injection systems in that the fuel flows continuously from all injectors, while the fuel pump pressurises the fuel up to approximately 5 bar (73.5 psi). The volume of air taken in by the engine is measured to determine the amount of fuel to inject.

### Jetronic - Wikipedia

K-Jetronic Since its introduction, the K-Jetronic gasoline-injection system has proved itself in millions of vehicles. This development was a direct result of the advantages which are inherent in the injection of gasoline with regard to demands for economy of operation, high output power, and last but not least improvements to the quality of the exhaust gases

### Gasoline Fuel-Injection System K-Jetronic

Mechanical fuel injection - Bosch K-Jetronic, Bosch K Jetronic The Fuel Distribution Unit This unit delivers the correct amount of fuel to the engine via the injectors referencing to the airflow sensor plate height.

### Mechanical Fuel Injection - B2 Resource

The fuel distributor allocates this fuel to the injection The K-Jetronic is a mechanically and valves of the individual cylinders. hydraulically controlled fuel-injection system which needs no form of drive and Air-flow measurement which meters the fuel as a function of the The amount of air drawn in by the engine intake air quantity and injects it continuously onto the engine intake valves. measured by an air-flow sensor.

### Bosch K Jetronic Fuel Injection Manual - [PDF Document]

K-Jetronic Fuel Injection System K-Jetronic is a mechanically and hydraulically operated fuel injection pump, introduced by BOSCH GmbH in the year 1973. The K-Jetronic pump requires no form of drive and one of its features is that it can meter the fuel as a function of the intake air quantity. The letter 'K' stands for continuous in German.

### How Car Parts Work: K-Jetronic Fuel Injection System

Bosch K Jetronic - Mechanical Fuel Injection Troubleshooter. NOTE:-whilst working on any fuel system, care and attention should be taken to avoid the petrol coming in contact with any source of ignition, this can include: hot engine components, High Tension (HT) sparks and smoking. Introduction.

### Bosch K Jetronic - Mechanical Fuel Injection Troubleshooter

The primary pressure regulator that is installed in the fuel distributor housing maintains a constant pressure in the fuel system of the K-Jetronic. Since the electric fuel pump supplies more fuel than is used by the engine, a valve in the pressure regulator opens and returns this excess fuel to the fuel tank.

### Primary-pressure regulator, K-Jetronic - Bosch Classic

The Bosch fuel injector has a return rate of 1 part per million (PPM), making Bosch the industry benchmark. View Product. GDI (Gasoline Direct Injection) Bosch Gasoline Direct Injection (GDI) provides the basis for a cleaner and more economical engine generation. At the same time, it contributes to the current engine downsizing trend.

### Fuel Injection | Bosch Auto Parts

Approximately up until 1994 mechanical fuel injection systems have been installed on certain Mercedes, Audi, Volkswagen, Ford etc. car models - starting with Bosch K-Jetronic, and after that - Bosch KE-Jetronic. These fuel injection systems were considered to be really reliable and trustworthy. Basically, such conclusion can be made based on a large number of cars that had such injection systems installed by the manufacturers during that time. However, the time has passed and all the ...

### Checking and repairing the Bosch KE-Jetronic fuel ...

Bosch K-Jetronic Fuel Injection. Since their introduction, the Jetronic fuel injection systems have proved themselves millions of times over under the harsh conditions of everyday driving. This success is a result of the advantages which fuel injection can offer when considering today's demands for economy, performance, and cleaner exhausts.

### Bosch Fuel Injection Systems - Bosch K-Jetronic

Bosch K-Jetronic Fuel Injection System Service In the 1970s, fuel injection systems were analog. At the start of the decade, you could find the Bosch D-Jetronic on many Volvos and VWs. This common rail system ran at constant pressure and the injector pulse duration was changed according to intake vacuum, barometric pressure and engine temperature.

### Bosch K-Jetronic Fuel Injection System Service ...

Bosch K-Jetronic Fuel Distributor - Duration: 5:37. CIS-Jetronic 77,927 views. 5:37. Red W124 ... Bosch CIS Fuel Injection Age Related Issues with Kent Bergsma - Duration: 5:37.

### Bosch K-Jetronic (CIS) explained

Product description CTA Tools 3420 Fuel Injection Pressure Tester-Bosch K Jetronic C.I.S. is designed to detect bad fuel pumps, bad pressure regulators, leaking injectors and clogged fuel filters. It includes a 3.5-Inch (90-millimeter) gauge with dual calibration (5-145-PSI / 25-1,000-kPa), hose assembly and metal adapters.

### Amazon.com: CTA Tools 3420 Compatible for Bosch K ...

Whilst I've got it out of the car I thought I'd give you a quick look at a fuel distributor from a Bosch KE Jetronic or CIS injection system. Popular with Porsche, Mercedes and VW/Audi in the 80s ...

**Bosch K Jetronic Fuel Distributor - Quick Look**

These vehicles are equipped with Bosch C. I. S. K-Jetronic Fuel Injection Systems. This is an in-line pressure tester which indicates problem sources - control pressure regulator, fuel distributors or other specific fuel injection components that may require replacing.

**Tool Aid 33865 C.I.S. K-Jetronic Fuel Injection Tester ...**

Also called K-jetronic this fuel injection system was used on six cylinder Porsche® after MFI, 1973.5 to 1983 and 1994 on the Turbo Porsche models.  
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**CIS Fuel Injection Parts - Partsklassik Classic Parts for ...**

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