



### Important attributes:

- Original components of a Bosch Common Rail injection system with piezo injectors built-on as operational diesel-injection system
- Motor typical device characteristics concerning the pressure- and rotary-speed ranges.
- Didactical system interfaces for fault simulation, measuring diagrams and computer-data collection.
- Compact device assembly, movable on rolls, contrary to the motor, also usable within the classroom.
- System diagram on the front plate of the training stand, for an easy classification of the components.

### Description:

When using the 'Common Rail' diesel injection system Bosch EDC 17 the mechanical complex injection pump (in-line or radialpiston distributor pump) and the fuel injectors which are assigning the injection pressure, are replaced by a micro controlled system, where the injection effects by piezo operated injection valves.

By the omission of mechanical specified control processes, now the fuel injection can be adapted optimally to the particular motor operating status (Optimization of consumption and emission).

With this training stand the specialties of the injection system (pilot injection, main injection etc.) can be clearly demonstrated and be analyzed metrologically. Typical signal aspects of the sensors (rotary-speed and benchmark sensors, fuel pressure regulator, etc.) and actuators (electromagnetic injector, control of the pressure regulator, exhaust gas return, adjustment of the VTG-charger etc.) can be shown and become understandable in their cooperation.

With the possibility of fault simulation and the use of circuit diagram working panels, diagnosis and measuring exercises can be executed. The OBD interface permits the application of usual diagnostic testers.

There is a system diagram on the front plate of the training stand, which allows an easy classification of the components.

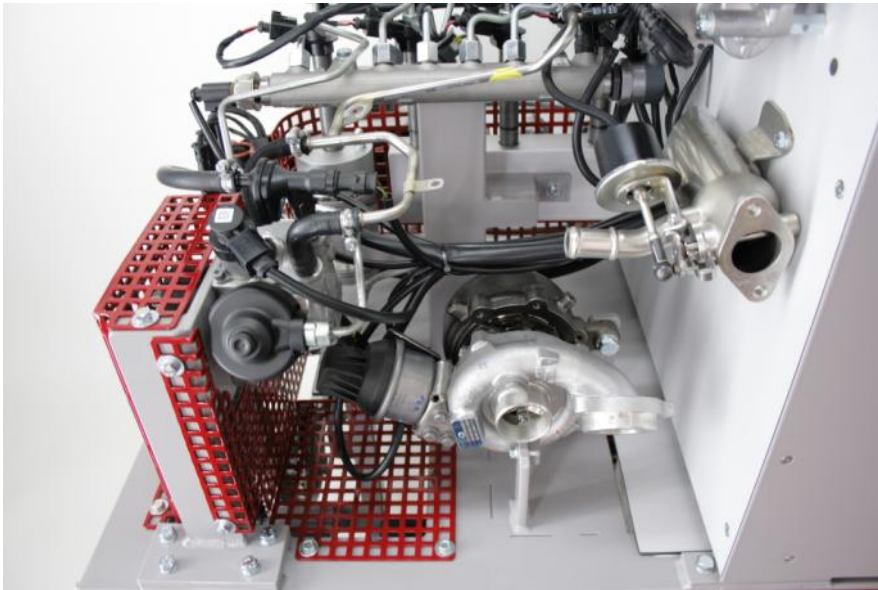


Image shows the sectional view of the VTG-charger



### Order-Number:

0000 6505

### Technical Data:

Dim.: approx. 1200x800x1800 mm

Weight: approx. 145 kg

### Optionales Zubehör:

Interfaces for:

- Computer evaluation (Didactical program surface to CR-system Bosch EDC 17)
- Fault switch (alternatively up to 64 faults)
- Diagram board (Student measuring station for up to 14 students)

Technical alterations are subject to change without notice!

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