



KOLBENSCHMIDT



PIERBURG



**TRW**  
EngineComponents



# PRODUCT **COMPETENCE**

PRODUCTS FOR UTILITY VEHICLES AND  
OFF-HIGHWAY VEHICLES

## MOTORSERVICE GROUP

### QUALITY AND SERVICE FROM A SINGLE SOURCE

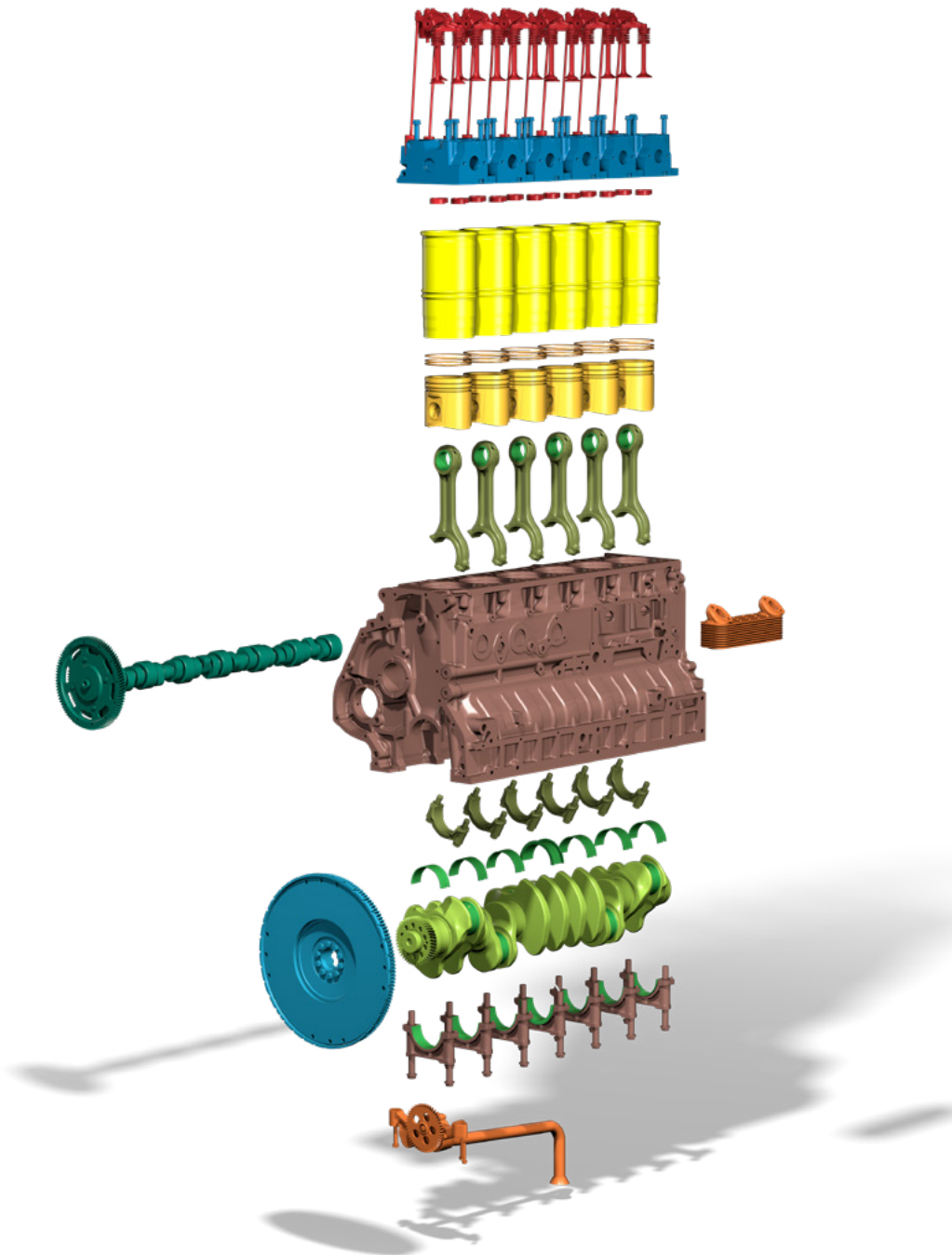
The Motorservice Group is a leading supplier of vehicle components for the independent aftermarket. With the premium brands Kolbenschmidt, Pierburg, TRW Engine Components and the BF brand, Motorservice offers its trade and repair shop customers a wide and comprehensive range of top-quality products. As a problem solver for trade and repair shops, the company also offers an extensive service package. Motorservice customers benefit from the combined technical know-how of a large international automotive supplier.

#### CROSS-BRAND OFFER

The comprehensive product range covers engines from Caterpillar, Cummins, DAF, Deutz, Iveco, Mercedes-Benz, RVI, Scania, Volvo and other engine manufacturers.

#### RELIABLE PERFORMANCE

Our product range provides spare parts for utility vehicles, agricultural and forestry as well as communal vehicles, construction machines, ships, locomotives, traction units as well as stationary engines.





## PISTONS

### **Developed and produced drawing on the state of the art**

Motorservice always supplies pistons complete with piston rings, piston pins and the associated piston pin circlips. These expertly coordinated components make ordering easier for you.



## PISTON RINGS

### **Less friction for efficient engines**

Kolbenschmidt piston rings excel through their excellent friction values, durability and low oil consumption. Piston rings which are optimised for replacement ensure that repairs are long lasting and that customers are satisfied.



## CYLINDER LINERS

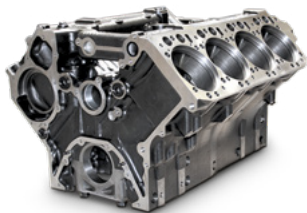
### **Durability for many thousands of kilometres**

The comprehensive product range includes wet and dry cylinder liners and air cooled cylinders, as well as cylinders for compressors. The supplied gasket assortments for wet cylinder liners complete the scope of supply for easy replacement.

## KIT SETS

### **Coordinated teams**

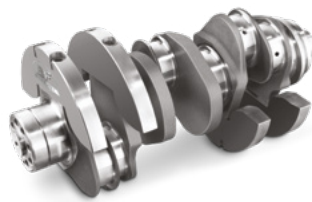
Our coordinated pistons, piston rings and cylinder liners are available as kit sets for utility vehicle applications. The components are compiled to suit demand for easy replacement.



## CRANKCASES

### **Geometric precision and dimensional stability for optimal performance**

As the housing for the drive mechanism and cooling jacket, the crankcase forms the central component of the engine. BF offers a comprehensive and high-quality portfolio of crankcases to provide quick, cost-effective solutions for repairing engines on utility vehicles.



## CRANKSHAFTS

### **Forged masterpieces for every torque**

To guarantee the Motorservice high quality standards, most BF forged crankshafts are produced on our own tools and are subject to stringent test procedures. The dimensional accuracy ensures smooth running and therefore a long engine life.



## OIL AND WATER PUMPS

### **Perfect lubricant and coolant supply**

Rheinmetall develops and supplies oil and water pumps to all leading engine manufacturers and has numerous patents. Building on this know-how, Motorservice offers pumps for a multitude of passenger car and utility vehicle applications. Make the most of this experience at a fair cost-benefit ratio.



## CAMSHAFTS

### **Wear-resistant cams for a long, powerful engine life**

To withstand the high bending and torsion forces over the long term, the camshafts in the Motorservice product range have been designed to incorporate high strength properties. Depending on the intended purpose, camshafts are cast or forged.



## CONNECTING RODS

### **Durable force transmitters with great effect**

The high strain on the connecting rod due to tensile, compressive and torsional forces requires connecting rod designs with high strength and low weight. Connecting rods with a lower strength are an unnecessary risk for the engine. With Motorservice's high-quality product range, you are always on the safe side.



## CYLINDER HEADS

### **Completed to your requirements**

Motorservice boasts an extensive product portfolio of cylinder heads for passenger cars and utility vehicles. The cylinder heads are also available with pre-assembled valves and valve-springs to suit your needs and for ease of repair.



## PLAIN AND SPUTTER BEARINGS

### **Making sure everything runs smoothly**

Kolbenschmidt plain bearings ensure less friction and more dynamics with their optimum sliding materials and perfect geometry. Your partner in every case – in addition to a large product range of standard and large sizes, Motorservice offers particular special solutions for repair.



## FLYWHEELS

### **Precision and mass for smooth engine running**

BF flywheels are precision parts made from high-quality grey cast iron or steel that efficiently reduce uneven running and vibration in the engine. This ensures that wear on the gear train is kept to a minimum.



## VALVES AND VALVE ACCESSORIES

### **Temperature-resistant precision**

Motorservice is the global sales partner of TRW Engine Components for the aftermarket. Proven quality that provides security when needed.

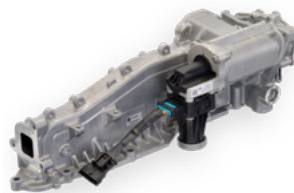




## EXHAUST GAS FLAPS

### Reduce pollutants

Exhaust gas flaps are an important element in modern engines for emission control. The exhaust gas flaps support exhaust gas recirculation, thermal management of the SCR catalytic converters, DPF regeneration and the engine brake. Motorservice's product range includes pneumatic and electric exhaust gas flaps.



## EXHAUST GAS RECIRCULATION

### For clean combustion

Almost no modern vehicle manage without exhaust gas recirculation. With its EGR valves, modules, coolers and cooler modules, Motorservice covers a wide range of products. The corrosion- and temperature-resistant materials ensure lasting function under the harshest conditions.



## EXHAUST GAS SENSORS

### Reliable and robust sensor technology

High operating temperatures and aggressive exhaust gas place high demands on the various products, such as NOx, exhaust gas temperature, exhaust gas pressure or differential pressure sensors. Opt for products from the specialist.



## WHEEL SPEED AND TPMS SENSORS

### Safe on the road

Wheel speed sensors are among the most important sensors in a vehicle. Their signal serves as an input variable for safety and comfort systems, such as the anti-lock braking system (ABS), electronic stability control (ESC), traction control system (TCS) or in the tyre pressure monitoring system (TPMS).



## OIL PRESSURE SENSORS

### Optimum and safe engine performance

The oil pressure sensor continuously measures the oil pressure in the engine and sends the information to the engine control unit. The sensor thereby ensures a sufficient oil supply and prevents consequential damage.



## SOLENOID VALVES

### Small components with a big impact

Solenoid valves are important components for switching and controlling as well as for implementing comfort and safety functions. Place your trust in the OE quality from the market leader Pierburg.

# KNOW-HOW TRANSFER

## PROFESSIONAL KNOWLEDGE FROM THE EXPERTS

### WORLDWIDE TRAININGS

#### Direct from the manufacturer

Each year, around 4,500 mechanics and engineers benefit from our training courses and seminars, which we hold on-site in locations across the world or in our training centres in Neuenstadt, Dormagen and Tamm (Germany).

### TECHNICAL INFORMATION

#### From practical experience for practical use

Our Product Information and Service Information publications, technical brochures and posters keep you at the forefront of the latest technological developments.

### TECHNICAL VIDEOS

#### Knowledge transfer via video

Our videos provide you with useful information on our products, such as hands-on fitting instructions and system descriptions.



### PRODUCTS IN FOCUS ONLINE

#### Our solutions explained clearly

Interactive elements, animations and video clips provide interesting information about our products in and around the engine.

### ONLINESHOP

#### Your direct access to our products

Order at any time. Quick availability check. Extensive product search by engine, vehicle, dimensions etc.

### NEWS

#### Regular information via e-mail

Subscribe online to our free newsletter now and receive regular information about additions to the product range, technical publications and much more.

### INDIVIDUAL INFORMATION

#### Especially for our customers

We provide extensive information and services relating to our wide range of services: e.g. personalised sales-promoting materials, sales support, technical support and much more.



### TECHNIPEDIA

#### Technical information on all aspects of the engine

We share our know-how with you in our Technipedia. You can get professional knowledge direct from experts here.

### MOTORSERVICE APP

#### Access technical know-how on the move

Here, you will find the latest information and services relating to our products quickly and easily.

### SOCIAL MEDIA

#### Always up to date





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