



KOLBENSCHMIDT



PIERBURG



EngineComponents

# HEAVY DUTY

UTILITY VEHICLE SPARE PARTS FOR  
THE NORTH AMERICAN MARKET

OUR **HEART** BEATS FOR YOUR ENGINE.



**MOTORSERVICE**  
RHEINMETALL AUTOMOTIVE







# MOTORSERVICE GROUP

## QUALITY AND SERVICE FROM A SINGLE SOURCE

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

### CROSS-BRAND OFFER

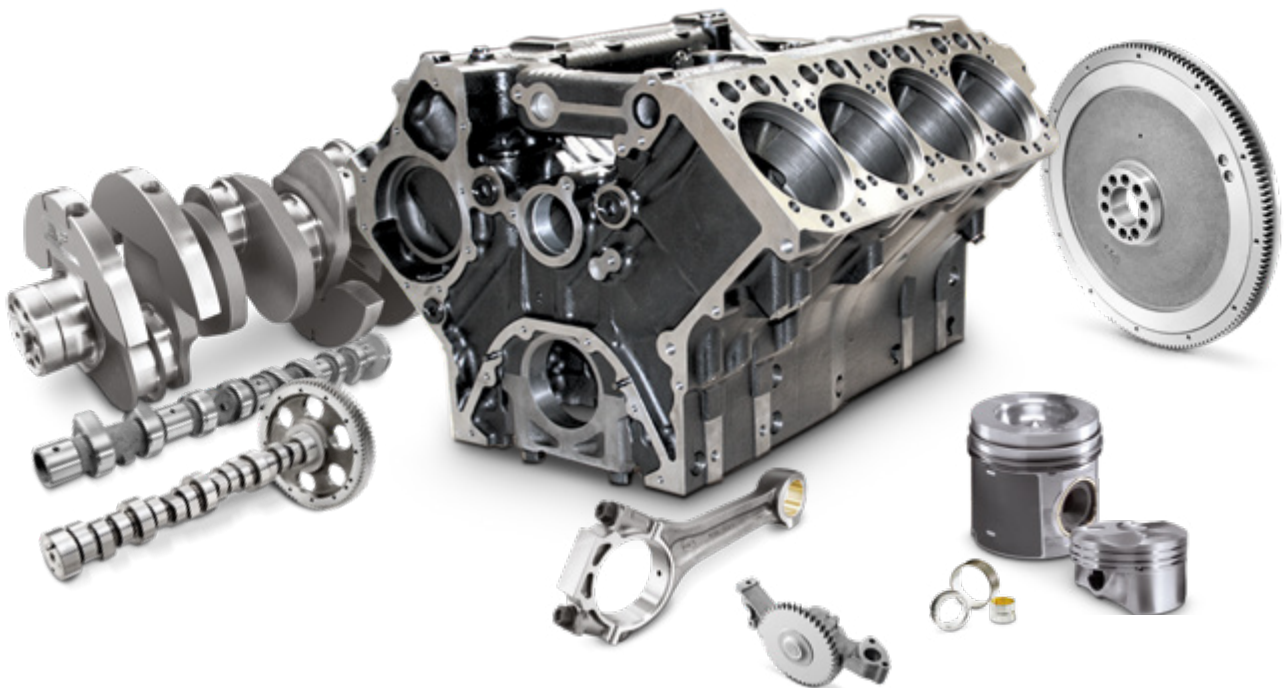
The comprehensive product range covers engines from Cummins, Caterpillar, Daimler, Detroit Diesel, MAN / International, Navistar, Paccar, Volvo and other engine manufacturers.

### RELIABLE PERFORMANCE

Our product range provides engine spare parts for heavy duty vehicles, agricultural, forestry and communal vehicles, construction machines, traction units as well as stationary engines.



As a specialist in trading with engine parts, with OE group affiliation and comprehensive core competence within the Rheinmetall Automotive Group, we ensure growth, both for us as a solvent customer and for our business partners.



# ENGINE COMPONENTS AND SERVICE



## 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 more efficient engines**

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



## CYLINDER LINERS

### **Durability for thousands of kilometers**

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.

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## 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.

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## CRANKSHAFTS

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

To safeguard 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.



## 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. Camshafts may be cast or forged, depending on their intended purpose.



## OIL AND WATER PUMPS

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

Rheinmetall Automotive 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.



### CONNECTING RODS

#### Resistant force transmission to great effect

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



### ENGINE BEARINGS

#### Making sure everything runs smoothly

Kolbenschmidt engine 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 range of standard and large sizes, Motorservice offers particular special solutions for repair.



### VALVES AND VALVE ACCESSORIES

#### Temperature-resistant precision

TRW Engine Components is a leading OE valve manufacturer with an outstanding reputation. Motorservice is the global sales partner of TRW Engine Components for the aftermarket. Proven quality which provides security when needed.



### EGR COOLERS

#### Modern exhaust gas recirculation

Pierburg produces a range of EGR coolers, tailored exactly to suit the relevant vehicle application. Increasingly stringent exhaust gas limits make the EGR cooler an essential component – Motorservice provides them to the aftermarket.



### EGR VALVES

#### Comply with exhaust gas regulations

The EGR valve forms a key component of the exhaust gas recirculation system. It meters the quantity of exhaust gas that is returned. EGR valves come in a wide range of designs and models: they can be actuated electrically or pneumatically, designed for petrol or diesel applications or be connected to the coolant circuit.







**WE PROVIDE A COMPREHENSIVE PRODUCT PORTFOLIO SUITABLE FOR A VARIETY OF ENGINES –  
HERE ARE SOME EXAMPLES TO GIVE YOU AN IDEA**

Manufacturer	Installed in	Engine code	Pistons	Piston rings	Cylinder liners	Crankshafts	Camshafts	Oil pumps	Water pumps	Connecting rods	Engine bearings	Valves and accessories	EGR coolers	EGR valves
<b>Caterpillar</b>	Blue Bird	C7	•	•									•	•
	Chevrolet													
	Freightliner													
	Peterbilt													
	Sterling													
<b>Cummins</b>	Freightliner	B6.7	•	•							•	•		
	Holiday Rambler	ISB 6.7	•	•							•	•		
	Kenworth	ISC	•	•	•						•	•		
	Monaco	ISC	•	•	•						•	•		
	Peterbilt	ISL9	•	•	•									
<b>Daimler</b>	Freightliner	MBE4000	•	•	•		•	•	•	•	•	•		
	Mercedes-Benz	OM904	•	•	•	•	•	•	•	•	•	•		
	Sterling													
	Western Star													
<b>Detroit Diesel</b>	Freightliner	DD13		•	•	•	•	•	•	•	•	•		
	MCI	DD15		•	•			•	•		•	•		
	PREVOST	DD16		•	•			•	•		•	•		
	Sterling	DD8	•	•		•			•	•	•	•		
	Western Star													
<b>Navistar</b>	Ford International	Maxxforce 13	•	•	•	•	•	•	•		•	•		
		VT365	•	•										
		Powerstroke 60	•	•										
<b>MAN / International</b>	International	D2676 / A26	•	•	•	•	•	•	•		•	•		
<b>Paccar</b>	Kennworth Peterbilt	MX11	•	•	•				•		•	•		
		MX13	•	•	•			•	•		•	•		
<b>Volvo</b>	Volvo	D11		•	•		•	•	•		•	•		
		D12	•	•	•	•	•	•	•	•	•	•		
		D13	•	•	•		•	•	•	•	•	•		

The use of products may be limited to specific engine versions.

Please note the information in our catalogue or ask your contact person regarding product use for the respective engine versions.



# KNOW-HOW TRANSFER

## PROFESSIONAL KNOWLEDGE FROM THE EXPERTS

### WORLDWIDE TRAINING

#### 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 centers 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. personalized 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.

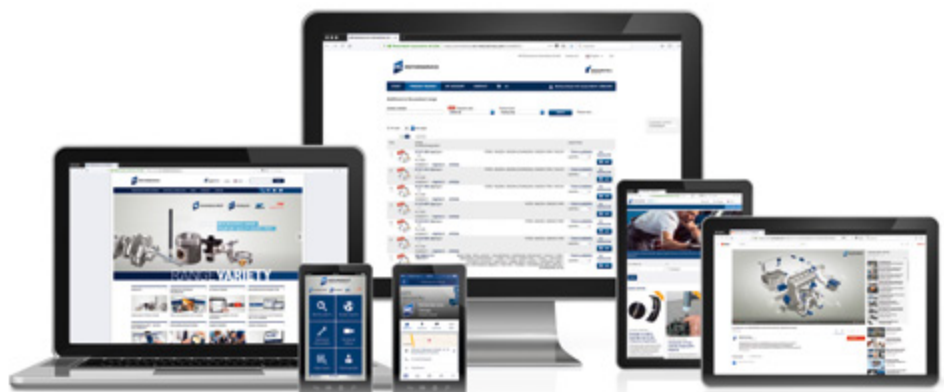
### MOTORSERVICE APP

#### 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







WE ARE FAST.  
OUR PRODUCTS HAVE  
**TOP QUALITY.** AND OUR  
SERVICE IS AS **INDIVIDUAL**  
AS YOUR REQUIREMENTS.

11

NORTH AMERICA

- 
- Number of locations Rheinmetall Automotive
  - Number of locations Motorservice Group
  - Number of production sites MS Motorservice International
- 

SOUTH AMERICA

4

1

SPAIN

FRANCE

GERMANY

ITALY

CZECH REPUBLIC

TURKEY

BRAZIL

EUROPE

25

3

1

1

1

1

2

1





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**TRW**  
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ASIA

26

1

1

SINGAPORE

CHINA

#### **IAM (Independent Aftermarket)**

The main business area for the Motorservice Group is the independent spare parts market. Customer are wholesalers who supply workshops and engine repairs without OEM ties.

#### **SOE (Special Original Equipment)**

Our service portfolio also includes the supply of niche customers with components for small series and special applications – also from the non-automotive sector, such as construction machinery.

#### **OES (Original Equipment Service)**

The most successful automobile manufacturers are on the Motorservice customer list. In addition to the supply of original spare parts, we offer many services that are optimally tailored to specific customer requirements.

**HEADQUARTERS:**

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[www.ms-motorservice.com](http://www.ms-motorservice.com)

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