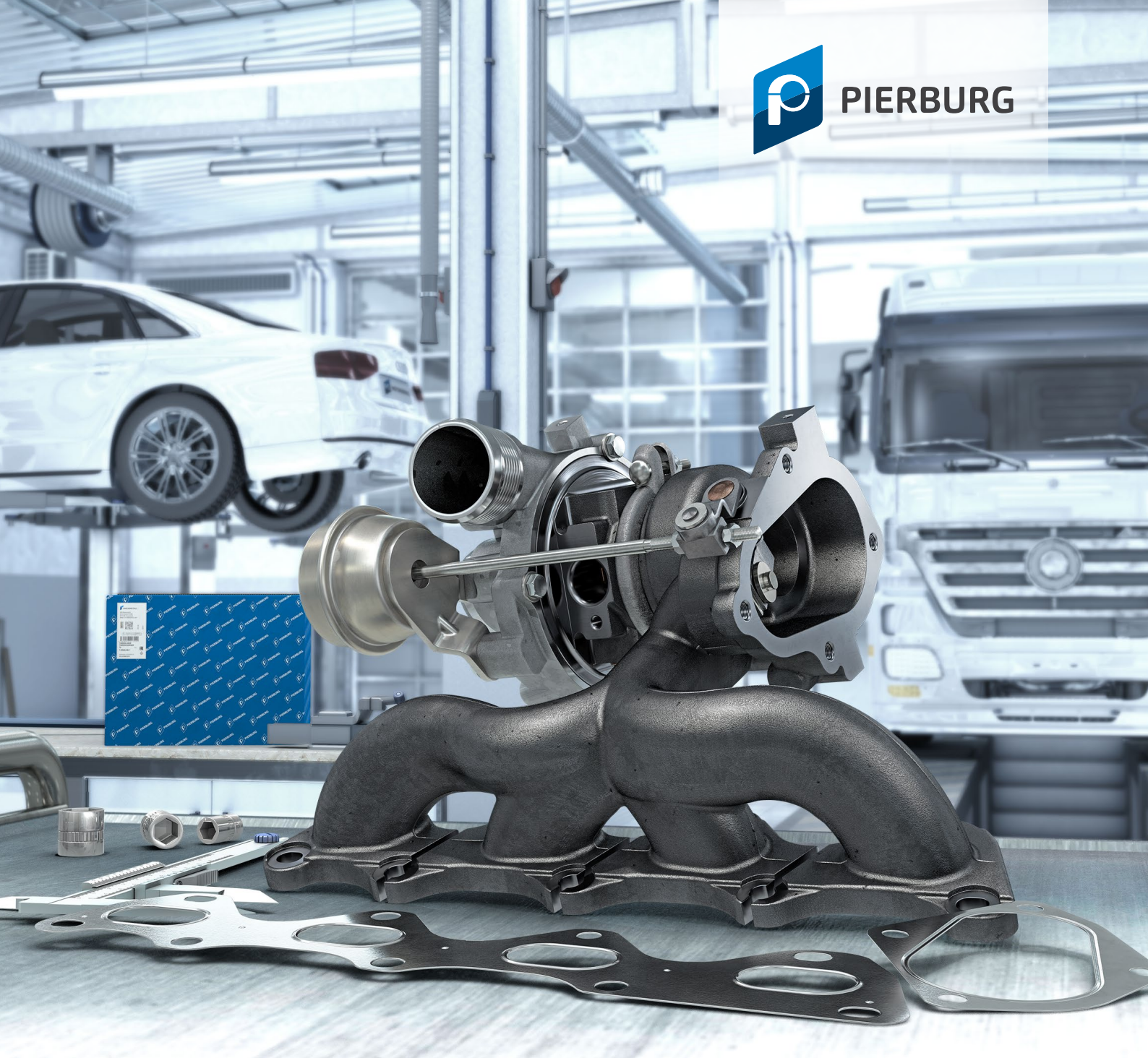




PIERBURG



PERFORMANCE RECHARGED: YOUR TURBOCHARGER EXPERTS

TAKING RESPONSIBILITY IN A CHANGING WORLD



RHEINMETALL

PIERBURG TURBOCHARGERS: INNOVATIVE TECHNOLOGY FOR MAXIMUM EFFICIENCY AND PERFORMANCE



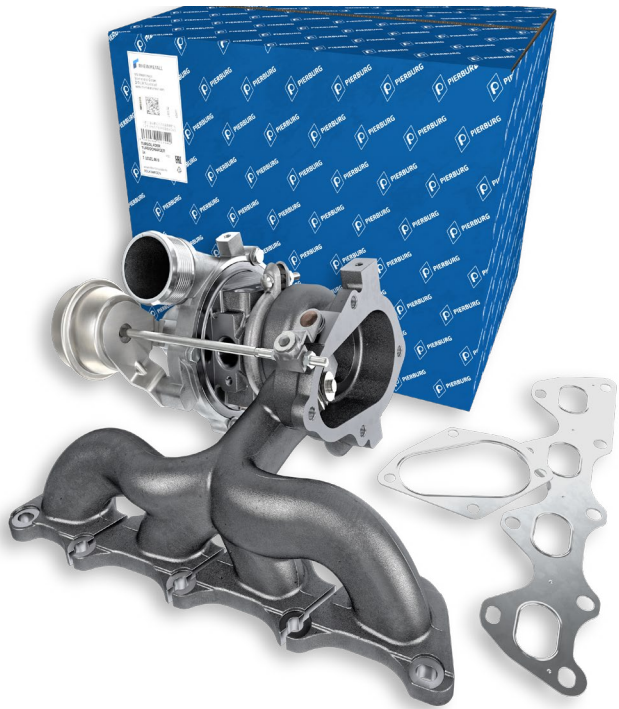
Turbochargers are indispensable components in modern-passenger-car and utility-vehicle engines, and are becoming increasingly important. They increase engine performance, improve efficiency and contribute to reducing emissions. However, inadequate maintenance or faulty engine components can significantly reduce the durability of a turbocharger and even lead to a failure.

With the new Pierburg turbochargers, we offer you first-class solutions that have been specially developed for every vehicle application. Our turbochargers set new standards in engine technology by creating the perfect balance between performance, efficiency and environmental friendliness. They are designed for the most demanding applications and guarantee maximum reliability and precision.

Our turbochargers are suitable for existing and future-oriented drive systems. They are the key to optimising engine performance, and help to reduce energy consumption and minimise the environmental footprint.

Key technology aspects:

- **Improved air compression**
Higher boost pressures optimise fuel usage and increase engine performance.
- **State-of-the-art materials and manufacturing**
Components made of heat-resistant alloys and precise manufacturing tolerances ensure robustness and stability even under extreme conditions.
- **Variable control**
Dynamic control of the boost pressure ensures ideal engine responses in a wide range of operating conditions.
- **Efficient bearing and coating technology**
Minimised friction and improved heat dissipation increase durability and reliability.



Pierburg quality

Pierburg is a specialist in the fields of emission control, air supply and throttle valves. Decades of experience, an innovative approach and recognised expertise in all aspects of engines give Pierburg the ideal background to systematically develop and manufacture future-oriented components, modules and systems. With Pierburg turbochargers, we offer independent workshops outstanding quality and innovation.



You can find further information here:



Product range

Our extensive product range offers a wide range of new turbochargers for passenger cars, utility vehicles and off-highway vehicles. In addition, we provide a wide range of accessories and spare parts for all aspects of the turbocharger – all from a single source. Pierburg specialises in developing high-quality turbochargers that meet the demanding requirements of the market. Replacing turbochargers in older vehicles enables workshops to offer their customers competitive and first-class solutions. Pierburg OE attachments for turbochargers are also available – some of which are already pre-assembled. Suitable gasket sets are available for easy installation. Our turbochargers are clearly identifiable thanks to a laser marking on the housing, so you can be sure that you have a high-quality product.



Your benefits at a glance:

- **Versatile product range**
High-quality turbochargers suitable for a wide range of engine types in passenger cars, utility vehicles and other applications.
- **Experience and expertise**
Decades of experience ensure the highest quality and reliability.
- **Production according to OE standards**
Production according to the strict stipulations of the original equipment specifications.
- **Use of genuine parts**
Use of original spare parts for maximum compatibility and performance.
- **Mounting-friendly attachments**
Pierburg OE products are available, in some cases these come pre-assembled.
- **Gasket sets included**
All Pierburg turbochargers are supplied with matching gasket sets to ensure easy installation.
- **Highest quality standard**
In-house test rigs and calibration machines guarantee consistently high quality standards.

What is good for the turbocharger?

To maximise the life of the turbocharger, it is designed in such a way that it usually lasts as long as the engine itself and does not require special maintenance. Some regular checks are sufficient. The following service recommendations from the engine manufacturer must be observed:

- Observe the prescribed oil change intervals
- Regularly maintain the oil filters
- Check the oil pressure
- Clean the air filters

What is bad for the turbocharger?

90% of all turbocharger damage is due to the following causes:

- Ingress of foreign bodies into the turbine or compressor
- Dirt in the oil
- Insufficient oil supply (oil pressure/ filter system)
- Excessive exhaust gas temperatures (ignition systems / injection systems)

TURBOCHARGER DIAGNOSTICS MATRIX

[illegible]

We provide a comprehensive product portfolio for a wide range of engines – our TOP 25 passenger car turbochargers for the aftermarket are listed below:

Item no.	Manufacturer	OE ref. no.	Engines
7.15103.49.0	Audi	03L253016T	VAG 1.6L TDI 105 CV
7.15101.49.0		03L253056T	VAG 2.0L TDI 140 CV
7.15103.45.0		028145702NX	VAG 1.9L TDI 110 CV
7.15101.28.0		06J145713L	VAG 2.0 L TDI 155 CV
7.15101.27.0		06H145701J	VAG 2.0 L TDI 200 CV
7.15104.13.0	BMW	11 65 8 519 476	2.0 L TD 184 CV
7.15103.25.0		11 65 7 794 022	N47 D20 C
7.15104.14.0		11 65 7 808 758	2.0 L TD 184 CV
7.15103.47.0		11 65 7 810 189	2.0L D 140 CV
7.15103.33.0	Citroën	0375N1	PSA 1.6 HDi 112 CV
7.15101.70.0		037569	PSA 1.6 HDi 110 CV
7.15101.12.0		0375G9	PSA 206 / C1 / C2 / C3
7.15101.08.0	Fiat	71784113	Opel / Fiat 1.3 JTD-CDTI
7.15101.10.0		71724445	Fiat Panda / Grande Punto 1.3 CDTI / JTD
7.15101.25.0		93169102	Fiat 1.3 L D Multijet
7.15101.37.0	Nissan	1441100Q1G	Renault 1.5L DCI 110 CV
7.15103.34.0		14411EC00E	Nissan 2.5 dCi 16 V 170 CV
7.15103.87.0		14411VM01A	Nissan 2.5 L DCI 135 CV
7.15104.10.0	PSA	0375Q6	1.6L HDI 90 CV
7.15101.72.0	Seat	038253056EX	VAG 1.9 TDI
7.15101.33.0		06A145704QX	VAG 1.8T 240 CV
7.15101.01.0	Volkswagen	04E145703Q	VW Golf VII 1.2 TSI
7.15101.56.0		04C145701C	1.0 L TSI
7.15103.90.0		03F145701H	VW 1.2 L TSI
7.15104.02.0		03C145701N	VAG 1.4 TFSI 125 CV

* The reference numbers given are for comparison purposes only and must not be used on invoices to the consumer.
All content including pictures and diagrams is subject to change. For assignment and replacement, refer to the current catalogues or systems based on TecAlliance.



Our TOP 25 utility vehicle turbochargers for the aftermarket:

Item no.	Manufacturer	OE ref. no.	Engines
7.15107.13.0	DAF	1897353	MX13
7.15107.01.0	IVECO	5322533	F3AE3681B
7.15104.36.0		2101403	DAILY IV platform / chassis 29L10
7.15104.07.0		504137713	Iveco Daily 3.0 L D 140 CV
7.15107.05.0	MAN	51.09100-7866	D0836
7.15107.10.0		51.09100-7538	D2866
7.15107.11.0		51.09100-9925	D2066
7.15107.15.0		51.09100-7630	D2066
7.15107.18.0		51.09101-7026	D2066
7.15107.00.0	Mercedes-Benz	A 007 096 78 99	OM 541.941
7.15107.04.0		A 904 096 77 99	OM 904.930
7.15107.09.0		A 906 096 46 99	OM906
7.15107.16.0		A 471 096 71 99	OM471
7.15107.17.0		A 471 090 26 80	OM471
7.15107.12.0		A 010 096 17 99	OM541
7.15107.03.0	Scania	1443190	DC 12.09
7.15107.06.0		2732025	DC 13.115
7.15107.07.0		2328179	DC 13.124
7.15107.08.0		1423040	DC 12.15
7.15107.19.0		2057668	DC13
7.15107.14.0	Volvo	8113407	D12A
7.15101.13.0	Volkswagen	1545073	VW Transporter 2.5 L TDI 75 CV
7.15101.32.0		038253019JV	VW Transporter 1.9 L TDI 85 CV
7.15103.13.0		028145701LV	VW Transporter 1.9 L TD 70 CV
7.15103.15.0		074 145 703 EV	VW Transporter 2.5 L TDI 100 CV

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