

**PLEASE PAY ATTENTION**

# INSTALLATION GUIDELINE

**PROPER INSTALLATION, USE AND  
AND OPERATION**



---

## Contact

### Address

Pankl Turbosystems GmbH  
Rudolf-Diesel-Strasse 24  
D-68169 Mannheim



---

### Mail

[sales-turbo@pankl.com](mailto:sales-turbo@pankl.com)



---

### Web

[www.pankl.com](http://www.pankl.com)



**Improper installation, use and operation of the turbocharger or modifications to it and its periphery can lead to damage to the turbocharger and the engine. In this case, any warranty and guarantee on the part of Pankl Turbosystems is void. Therefore, always observe our installation and commissioning instructions:**

Before installing a new turbocharger, the first step is to identify and eliminate the cause of failure of the old turbocharger. This may be due to the engine, the electrical system, or the periphery of the turbocharger. Turbocharger damage is rarely caused by the turbocharger itself. One of the most common causes of damage is contamination, foreign object damage, or over-aged lubricating oil.

The entire intake, charge air and exhaust tracts must be fully functional.

Oil lines must always be replaced. Without proof that these have been replaced, Pankl can also not accept any warranty.

The crankcase ventilation, the oil pump and the oil return must function properly. All seals must be replaced. Only use OEM goods and precisely-fitting gaskets. The use of sealing pastes and liquid sealing media is prohibited.

Ensure the air filter is clean and use only the oil specified by the manufacturer. Other viscosities may damage the turbocharger bearing system.

Before installing the turbocharger, you must ensure that the turbocharger is filled with approx. 20-25 ml of engine oil. For this initial filling, it is best to use our Pankl filler syringe, which is available from us. During the filling process, you must turn the compressor wheel so that the oil can be distributed in the bearing. Please do not turn the turbocharger dry under any circumstances! This will lead to premature damage and wear.

After successful installation of your new turbocharger, please start the engine without accelerating. Then let the engine idle for at least 2 minutes. When the oil pressure is completely built up, you can now use the engine as intended.

After 50 km, check the entire system for any leaks. It is imperative that the oil system is leak-tight, otherwise unnecessary environmental pollution will occur and the vehicle may fail the next general inspection.