

Important installation instructions for your 07eins turbocharger

When replacing your turbocharger, it is essential to observe four key points, without which successful completion of the repair and any warranty claims are ruled out!

- The cause of the damage to the existing turbocharger must be identified BEFORE the actual replacement!
- The components found to have caused the damage must be replaced!
- any residues of the damaged turbocharger must be removed from the system (oil/filter change/cleaning of the complete charge air duct)!
- The new 07eins turbocharger must be prepared, installed and commissioned in accordance with these installation instructions!

The damage analysis

External factors from the periphery of the engine are always responsible for the failure of a modern turbocharger! A lack of oil pressure, clogged oil lines, problems with the crankcase ventilation or excessive exhaust back pressure due to blocked particulate filters are just a few examples of the many causes that lead to damage to the turbocharger. If these causes are not rectified, but only the turbocharger itself is replaced, consequential damage is often inevitable even after a very low mileage!

Are you sufficiently experienced to reliably identify the true source of the fault in the damaged turbocharger? We strongly recommend checking the damaged turbocharger as part of our professional damage analysis process ([07eins Turbocheck](#)), which provides you with targeted analysis results of the actual source of the damage. Play it safe and rely on a permanently reliable vehicle:

>>> [07eins Turbocheck - damage analysis for turbochargers](#) <<<

Preparation for instruction

1. Replace all defective components from the damage analysis!
2. Carry out a complete oil change according to the manufacturer's specifications! In order to remove particles from the damaged loader from the oil circuit, it is imperative to carry out a complete oil and oil filter change including flushing of the system before installation!
3. Replace the air filter. Thoroughly and completely clean the air connection pipes to the turbocharger, the intercooler and the charging piping to the engine to exclude any oil or remaining foreign bodies!
4. Be sure to check the crankcase ventilation! Even a minimally increased internal pressure in the engine means that oil no longer flows out through the return flow, but is instead forced out of the turbocharger bearing into the intake and exhaust gas area, resulting in severe damage to the system.
5. Check the oil lines to the turbocharger and from the turbocharger to the oil pan! Very often, clogged oil lines cause lubrication to be impaired. Make sure that the oil pipes are perfectly clean and, in case of contamination, replace the pipe system!
6. Check the exhaust system! Often the manifolds are affected by corrosion, which causes parts of the inner wall to come loose and severely damage the turbine wheel! A check of the particulate filter/catalytic converter for the existing exhaust gas back pressure must also be carried out in order to avoid overloading the loader due to excessive dynamic pressure!
7. Check the cooling water circuit! In many cases, a defective water pump causes engine oil and coolant to mix, resulting in inadequate lubrication on the turbocharger, which results in the failure of the supercharger. In this case, replacing the water pump as a single component does not help, in addition, the entire cooling water circuit must be flushed and an oil change must be carried out according to the manufacturer's specifications.
8. Check the pump-nozzle unit! Your engine oil level is getting higher and higher?! In most cases, a defective pump-nozzle unit can be recognized by an oil dilution. Diesel enters the oil circuit through a leaking system, causing the engine oil to lose its lubricity and the turbocharger is therefore no longer properly supplied with oil of sufficient quality.

Installation

1. Before installing the oil lines, fill the oil inlet hole of the turbocharger with new engine oil according to the manufacturer's specifications.
2. Install the turbocharger only with the enclosed 07eins original gaskets!
3. Never use liquid sealants in connection with the turbocharger – residue and overflow can get into the system and lead to serious damage!
4. Ensure the correct connection and proper tightness of the air, exhaust and oil lines.
5. Start the engine without increasing the revs and leave the unit in neutral for about 10 minutes before taking the engine under additional load.
6. After successful commissioning, check all connections and connections again for leaks!

Please note:

The installation of a 07eins Turbo should only be carried out by trained personnel of a specialist workshop who meet the technical requirements for the above-mentioned test points. In any case, an invoice for the installation must be presented.

Failure to follow these installation instructions will inevitably lead to renewed damage to the turbocharger. Without exception, our turbochargers are tested 2 times individually, which almost completely excludes defects ex works!

Please note that there are no guarantee claims in the event of damage to the turbocharger due to any external cause!

Use our offer of turbocharger damage analysis ([07eins Turbocheck](#)) to your advantage and to determine the source of the fault in advance!

Damaged returns will be inspected by our expert staff so that the origin of the damage can be clearly determined