

Turbocharger Order Checklist

Order number: _____

Date: _____

Customer name: _____

Vehicle/model: _____

Registration number: _____

Mileage: _____

Is the original turbocharger still installed?**Replacement date?**

Date: _____

Replacement at mileage: _____

Yes No

Supply line / return line / mounting kit replaced?☐☐**What is the measured oil return quantity:****Target per minute at idle speed: Passenger cars: 0.5 - 0.7 l /****Commercial vehicles: up to 2 l**☐☐**What is the crankcase pressure?**

Should be: -5 mbar / up to +5 mbar

> See pages 2 and 3!

☐☐**Has the exhaust system been checked for gas leaks and throughput? G-cat / SCR-cat / Oxi-cat / DPF / silencer or water or loose baffles?**☐☐**Intercooler and entire intake system cleaned?**☐☐**Pneumatic/electrical control of the turbocharger checked?**☐☐**Exhaust back pressure checked with pressure gauge while driving under all load conditions?**

Target: < 0.3 bar

☐☐

Yes No

Based on the above test results, we recommend the following repair:☐☐

Stamp Workshop

Signature (Engine)

Turbocharger Analysis Checklist

Take 10 minutes to carefully examine all of the areas listed on the removed turbocharger areas listed on the removed turbocharger with a good torch.

Turbochargers are rewarding components. Their damage pattern tells us why they have failed. To do this, the damage found must be traced back to its cause. Turbochargers are exposed to exhaust gas, intake air and oil pressure. The damage often comes from these media.

Describe any abnormalities that you notice when inspecting the turbocharger.

Overall visual impression:

Example: as new / old – worn / water damage / rusty / sooty / oily / dirty / coked / bent / scratched / loose / torn off / thermally discoloured / oily dirt deposits, etc. and the degree of damage: minor – moderate – severe

Findings on the compressor side:

Compressor inlet / compressor wheel: _____

Compressor outlet: _____

Bypass valve / control valve / hoses: _____

Findings for fuselage assembly:

Oil inlet: _____

Oil return: _____

Lever mechanism / linkage: _____

Pneumatic / electric actuator control: _____

Findings for turbine housing:

Turbine inlet / elbow channels: _____

Turbine outlet / turbine wheel / shaft: _____