

IMPORTANT!!

First read our installation instructions before installing the engine.

By following the factory specifications and installation instructions below you ensure a long lifespan for your engine. At the same time you meet the warranty conditions.

Precaution

- 1) Before you start installing the engine you bought from us, we recommend that you localise the defect of your original engine to prevent it from recurring. Notify us of this, so that we can provide targeted advice. Often damage to engines is a result of add-on parts and/or other external factors.
- 2) First compare both engines. Any deviations will thus be detected at an early stage.
- 3) In case of major differences between your original engine and the one that we supplied, you should contact us.

Installing

- 1) The parts to be transferred should be checked professionally and cleaned in a responsible way for reuse to avoid immediate pollution of the recently purchased engine. This involves, for instance, the inlet manifold, oil cooler, EGR-cooler, intercooler, turbo, etc. When in doubt, replace.
- 2) Additional attention should be paid to the carburettors/injectors, fuel pump and turbo. These parts should be tested professionally (by you or an expert) with accompanying test report. If necessary, parts should be renewed. Often these parts are the cause of damage to engines.
- 3) Timing belt and accompanying parts must be renewed. Engine may have been in stock in our warehouse for a number of years. Possibly, as a result of standstill, these parts have become outdated, due to which they no longer perform optimally.
- 4) Renew air filter, fuel filter, oil filter and oil. Do this in accordance with the factory specifications.
- 5) Everything must be installed in accordance with factory data and torque values.
- 6) Mount an overhauled engine **WITHOUT** the carburettors/injectors being installed. In order to check the oil pressure, the engine must be manually rotated/started during a considerable amount of time. As the carburettors/injectors have been removed, no compression will be created within the cylinders. As such, the engine can be run at higher speed. As a result the oil is allowed to flow throughout the engine without a heavy load being applied.
- 7) Ensure that the fuel pump is deactivated.
- 8) Start long enough to ensure that oil has flown through all parts of the engine. At least 1 to 2 minutes. If available, check the oil pressure on the gauge or the oil pressure indicator.
- 9) Finalise the engine and make sure it runs. Leave the engine running idle and do not apply a load to the engine.
- 10) Check all systems and check for possible leakage. Allow the engine to run for a few hours before driving. During the test drive ensure not to load the engine too much. So no unnecessary acceleration or putting too much weight into/onto the vehicle and do not apply high engine speed.

Follow-up care

- 1) After the first 1,000 kilometres, replace the oil and the oil filter once again.
- 2) Check the oil a bit more often, especially in the beginning. Higher oil consumption may be applicable as a result of the running-in of new parts.
- 3) Replace the oil and oil filter more frequently than conform the prescribed terms to allow your engine a longer life span. Experience shows that manufacturers sometimes prescribe (too) long terms.
- 4) In case of malfunctions or problems; contact us first before taking any other actions.
- 5) If these instructions are not followed; then the warranty will no longer be valid.
- 6) We only provide a product warranty, so any damage as a result of not following these instructions or due to installation errors will not be compensated.
- 7) In addition, we refer to the Delivery Conditions as agreed at the time of purchase.

Good luck with the installation.