

# Mechanic checklist. Make sure all points mentioned are carried out

## ✓ Important activities before installation:

- Determine the cause of the failure concerning the previous unit and take any corrective action. This to avoid the possibility of the replacement unit suffering premature failure.
- Read our fitting instructions (Scan QR-code) and follow also the added engine code specific instructions.

## Check/Replace before installation:

- Check whether the engine supplied is the same as the engine to be replaced (Mounting brackets, mounting ancillaries, sensors and other connections).
- Check that all sealing plugs have been removed.
- Check all gaskets, hoses, hose clamps and seals, replace if in doubt.
- Check the turbo for oil leakage and play, replace if in doubt.
- Check the turbo oil return pipe and filter for pollution/clogging, replace if in doubt.
- Check the thermostat and gasket, replace if in doubt.
- Check the EGR valve/cooler, replace if in doubt.
- Check the intake system for pollution, also check the intercooler (replace if in doubt) and replace the air filter.
- Check if the exhaust is not blocked (the catalytic converter / diesel particulate filter) , replace if in doubt.
- Check the lambda-sensor, replace if in doubt.
- Check the injectors, replace if in doubt.
- Install new distribution kit and check adjustment (rotate engine 2 turns to check the settings)
- Install new water pump gasket.
- Install new spark plugs and cables.
- Install new oil cooler.
- Install / check flywheel and bolts according to manufacturer's instructions and using Loctite .

## Important activities during installation:

- Install / check all parts according manufacturer's instructions.
- Complete all engine fluids and filters according to manufacturer's instructions (never use old coolant).

## Important activities after installation:

- Check all settings of the engine management system.
- First the engine must be started without an ignition / fuel injection, so the engine does not start to ensure that oil is pumped to all bearings to prevent damage to the bearings (it may take some time before all bearings have oil even if there is pressure in the system).
- Check the cooling system at a sufficient flow / capacity and ensure that the system is vented, check the operation of the cooling fan.
- Don't run your engine for a long time when the vehicle is stationary. Engine run-in at idle is not possible. This method can lead to severe wear or damage.

Name Mechanic: \_\_\_\_\_

Invoicenummer: \_\_\_\_\_

Installation Date: \_\_\_\_ - \_\_\_\_ - \_\_\_\_

Make/Model: \_\_\_\_\_

VIN: \_\_\_\_\_

Kilometers/Milage: \_\_\_\_\_

Please sent this checklist to the supplier in order to activate the warranty.