


# Installation Instructions

**Your new turbo are guaranteed 100% Genuine and brand new from the factory.**

Our experience shows that most of the newly installed turbo failed due to:

- The failure of the first turbo not identified and rectified, usually due to engine defects. The new turbo will similarly fail after installation.
- Negligence during the new installation.

 **Warning:** You must follow the checklist below.



## A. Pre-Installation:

1. Change new recommended oil & air filters.
2. Change recommended engine oil.
3. Pre-oil the turbo oil inlet.
4. Change new oil inlet pipes or flush the oil inlet pipes to remove flakes or carbon deposits.
5. Ensure oil supply of at least 0.5 kgf/m<sup>2</sup> or 7 psi within 3 seconds of 1st engine start (if possible, use oil gauge to measure).
6. Mount turbine inlet to engine manifold.
7. Attach oil inlet pipe to turbo and crank the engine a few times until oil flows out of the turbo oil drain. Then attach the oil drain pipe.
8. Connect remaining air piping hose.
9. Ensure that all bolts, screws & nuts are tightened.



## B. Installation:

1. Do not let foreign objects (screws, bolts, metal fragments, tools) enter ducts.
2. Ensure that suitable gasket/metal flange are used for the turbine inlet, oil inlet and oil outlet. Do not use 'glue' gasket.
3. Do not handle the turbo via the waste gate actuator rod or boost hose.



## C. Post-installation:

1. Allow engine to idle for 5 minutes before operating at higher rpm.
2. Check for unusual noises and leaks.
3. Do not operate the turbo if you suspect any problems. Consult us immediately.

