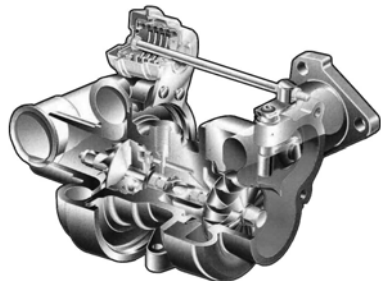


**TURBOCHARGER :**

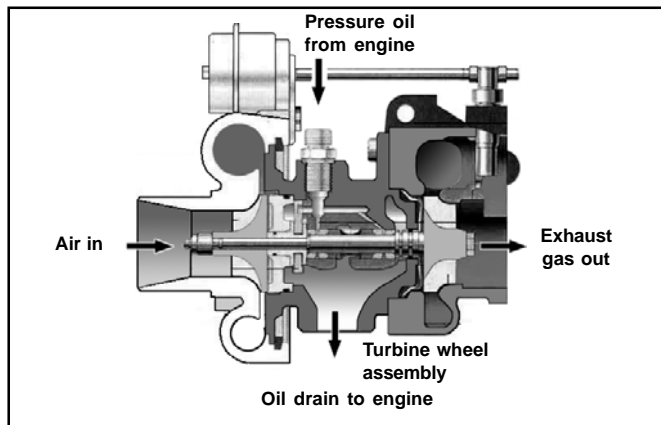
Turbocharger is an efficient supercharging device used in our engine. It makes use of thermal energy of engine exhaust gases to run a turbine which in turn drives a compressor to force air under pressure into the inlet manifold.



Turbocharger

**Lubrication of Turbocharger**

The rotor assembly of the turbocharger is supported by two floating lead bronze sleeve bearings in the bearing housing. These bearings are lubricated with the finest filtered and cooled oil from the lubrication system of the engine. There is a heat shield arrangement provided between the gas chamber of the turbine and the bearing housing to avoid heating of the bearings.

**Maintenance of Turbocharger :**

1. Tighten the following fasteners at PDI and thereafter at every 10,000 km.
  - Turbocharger mounting
  - Turbocharger hose connections and its mountings
2. Check intercooler fins for any dust accumulations and clean by compressed air at every 20,000 km. (if fitted)
3. It is advisable to run the engine at idle speed for about one minute, after starting and before stopping the engine. This ensures adequate lubricating oil supply to the turbocharger.