

Types of Turbochargers

Conventional Turbo

The most basic Turbo using free floating journal bearing



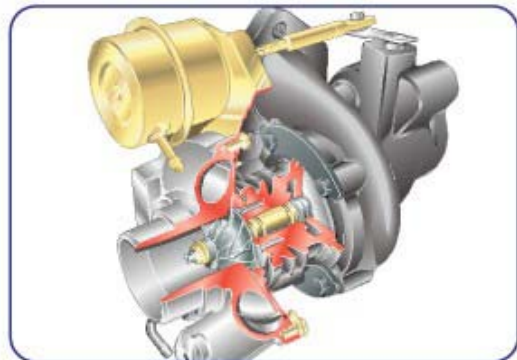
Wastegate Turbo

Pre-Calibrated actuator allows turbo to develop desired boost at low speed while eliminating overboost at high speed



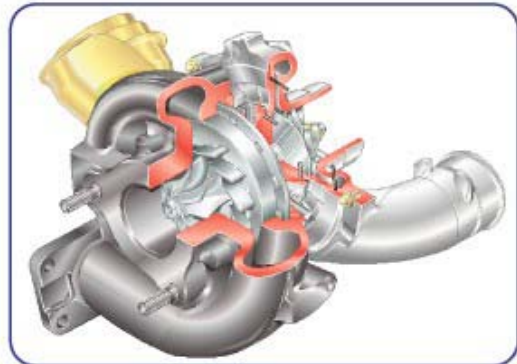
GT Series Turbo

Newer generation with fewer part, easier to service with new aerodynamic compressor wheels and turbine wheels



VNT Series Turbo

Integral part of the engine, with the ECU controlling a pneumatic actuator to manage a set of movable vanes to adjust the desired boost across a wider range of engine speed.



Ball Bearing Turbo

Offers immediate boost response due to lower bearing friction loss. The turbine wheel is usually made of ceramic.

