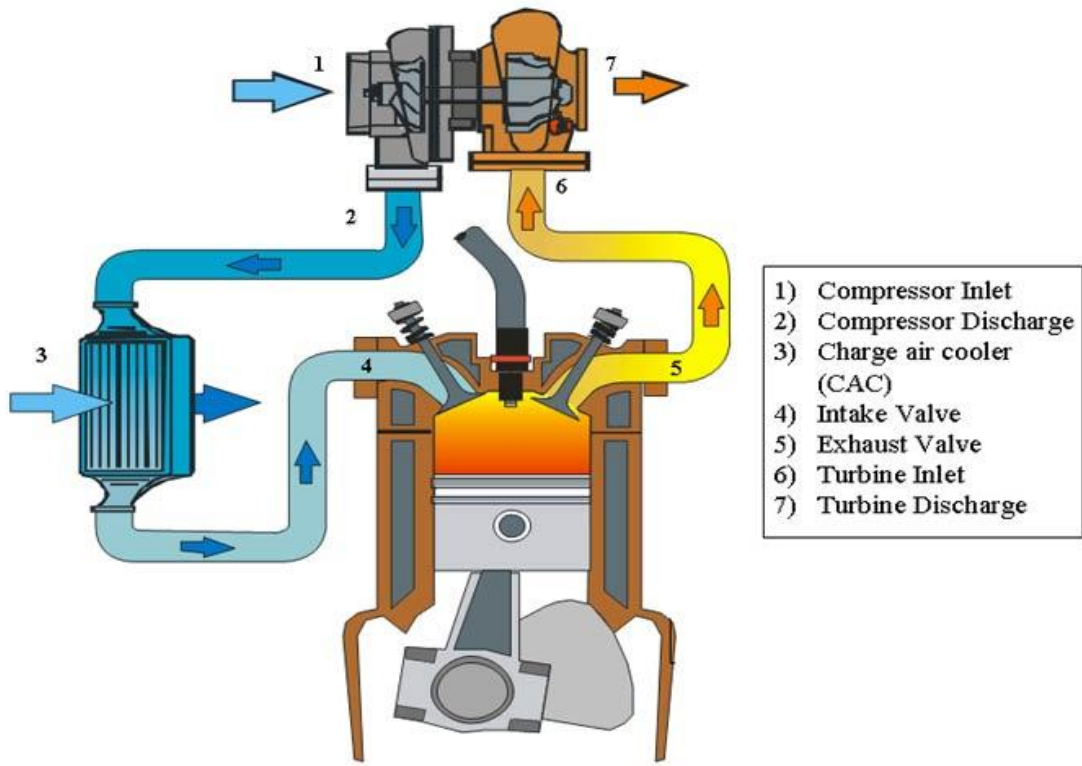
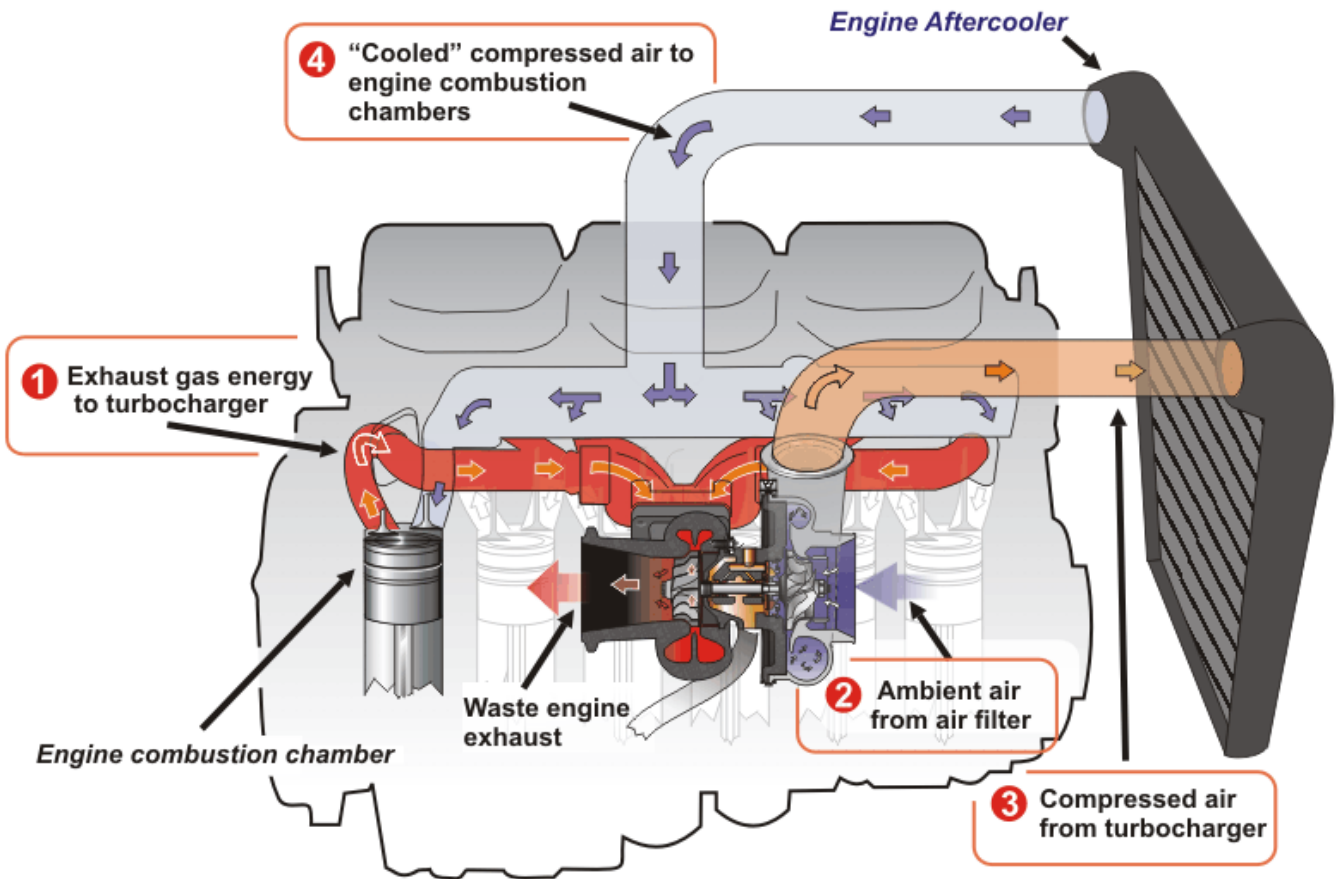




TURBOCHARGER FAILURE **LACK OF OIL**

Typical Commercial Diesel Turbocharged Engine System



TURBINE SHAFT OVER HEATING DUE TO LACK OF OIL

The turbine shaft and bearings inside the turbocharger rotate on a very thin sheet of oil. When oil is not present at the start-up and while the turbo is rotating, the bearings fail. Operating a turbo for five seconds without oil is as damaging as operating an engine for five minutes without oil.

Always ensure that the engine oil pressure meets the manufacturer's specifications. It is also very important that the oil supply pipes to the turbocharger is clean and clear so that the oil supply to the turbocharger is at the correct pressure.



Preventing turbo failure caused by Lack of oil :

- ✓ Never use gasket sealant pastes on oil supply lines as it will easily become get and block oil passages.
- ✓ Clean or replace oil inlet pipes to eliminate any carbon deposits or sludge that could restrict oil flow to the bearings.
- ✓ Check the oil pressure and oil supply to the turbocharger.
- ✓ Use only fresh engine oil and new oil filters as recommended by the engine manufacturer

Causes of Lack of oil failures :

- Low engine oil level in the sump.
- A bent or kinked oil supply pipe.
- Coke or Sludge in oil supply pipe.
- Gasket Sealant pastes causing blockage in the oil inlet line.
- Incorrect oil inlet gasket restricting oil supply.
- Using Chocked / damaged / poor quality oil filter.
- Worn out oil pump.
- Failure to prime the replacement turbocharger with fresh oil during fitment.
- Engine not being used for long time, especially during cold weather.

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Service Centers:

Palakkad

17/550(9),KTV Tower,
West Fort Road, Palakkad – 678 001
Phone : 0491 – 3260808, 3208000

Kochi

40/618, Bhagavathy Parambil Building,
Near Federal Bank, Palarivattom, Kochi – 682 025
Phone : 0848 -3114333

Kozhikode

3/165-A,Nano Building,
Major Santhosh Road, Behind Co-Op Urban Bank,
Vandipetta, West Nadakkavu, Kozhikode – 673 011
Phone : 0495 3104333

Collection Centers:

Kannur

EP III/178, EVES Arcade,
Opposite Technical High School, Thottada, Kannur – 670 007
Phone : 0497 – 3268785

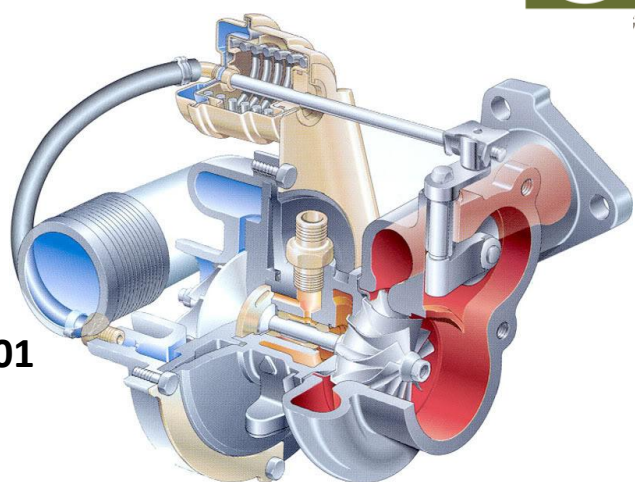
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