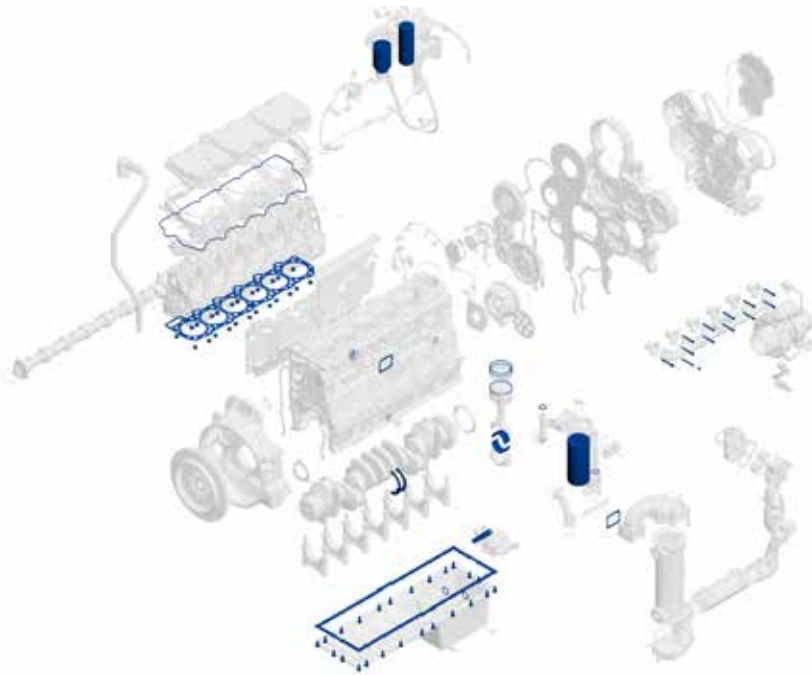


# 980H/K Engine Repair Options



## Level 1 Reseal Rebearing

- >> Extends life of the engine before failure
- >> Reduces oil consumption/smoke
- >> Improves starting ability
- >> Restores power
- >> Restores fuel consumption level

### INCLUDES

#### NEW PARTS INSTALLED

- Coolant temperature regulator
- Crankshaft thrust plates
- Exhaust manifold studs/locknuts
- Gaskets & seals
- Main bearings & rod bearings
- Piston rings
- Fuel filters & Oil filters
- Cat Reman cylinder head

#### INSPECT OR TEST

- Camshaft
- Cooling system
  - Cooling fan
  - Coolant hoses
  - Radiator
- Crankshaft
- Cylinder block
- Engine mounts
- Engine oil cooler
- Engine oil pump
- Exhaust & intake manifolds
- Fan drive, pulleys, belts & belt tensioner
- Flywheel & ring gear

#### INSPECT OR TEST (CONTINUED)

- Front gear train
- Fuel injectors
- Fuel transfer pump & fuel lines
- Fumes disposal & clamps
- Liner protrusion & condition
- Piston spray jets
- Pushrods, lifters & spring guides
- Rocker arm assemblies
  - Intake & Exhaust
  - Rocker arm Shaft
- Turbocharger , aftercooler / hoses & clamps
- Unit injection hydraulic pump
- Valve springs, intake valves, seats & guides
- Vibration damper
- Wiring harnesses, switches & sensors

#### SERVICES PERFORMED

##### Operational test to include:

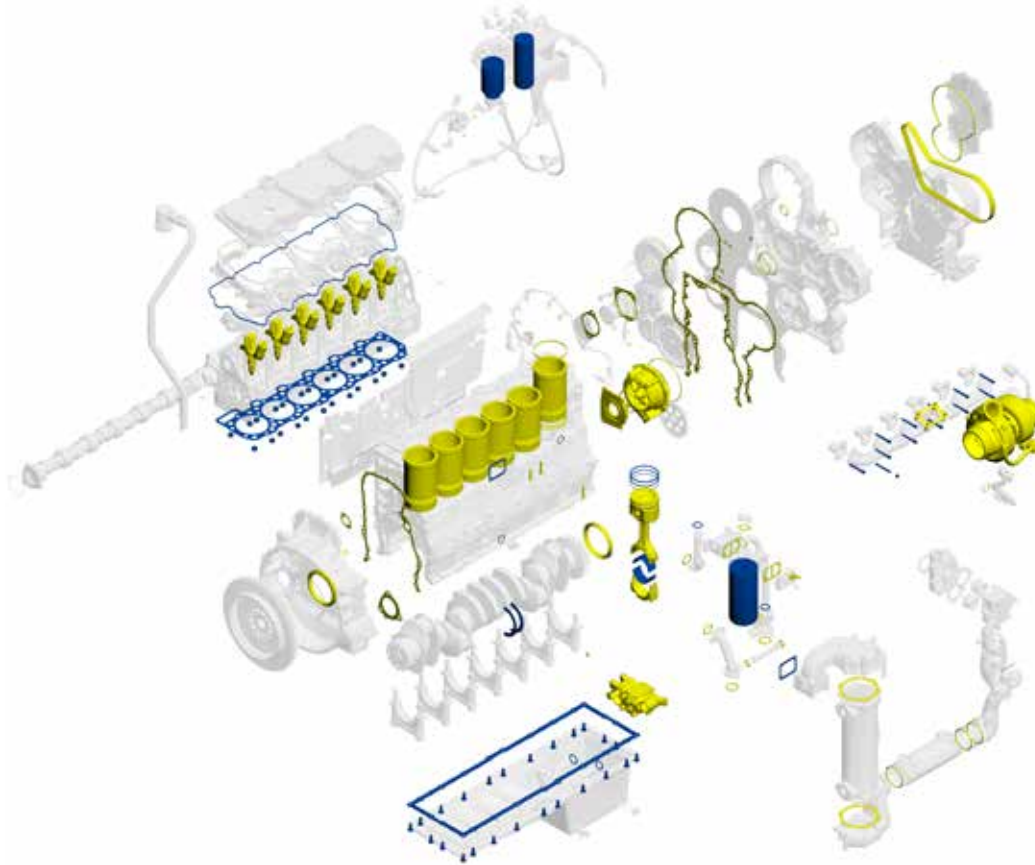
- Fill lube system by pressurizing the engine oil passages with 15/40 wt oil
- Steam clean engine

**WARREN**

**CAT**

# 980H/K Engine Repair Options

Repairs	In-Frame	Out-of-Frame
	Level 1	Level 2
Warranty includes 12 Months Unlimited Hours for Parts and Labor on all parts replaced	X	X
Coolant temperature regulator	X	X
Crankshaft thrust plates	X	X
Exhaust manifold studs/locknuts & exhaust sleeves	X	X
Gaskets & seals for components that are removed	X	X
Main bearings & rod bearings	X	X
Piston rings	X	X
Cylinder head with Cat Reman	X	X
Camshaft bearings		X
Replace cylinder pack assemblies with Cat Reman		X
Replace water pump with Cat Reman		X
Replace turbo with Cat Reman		X
Fuel Injectors		X



■ Level 1  
■ Frame Level 2

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