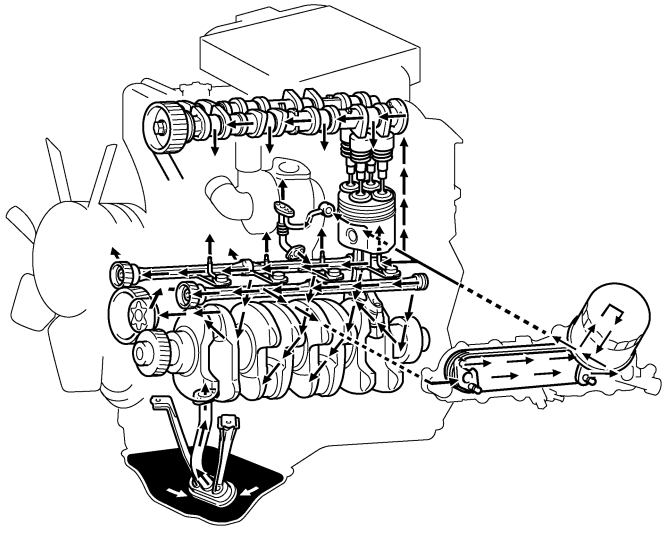
■ LUBRICATION SYSTEM

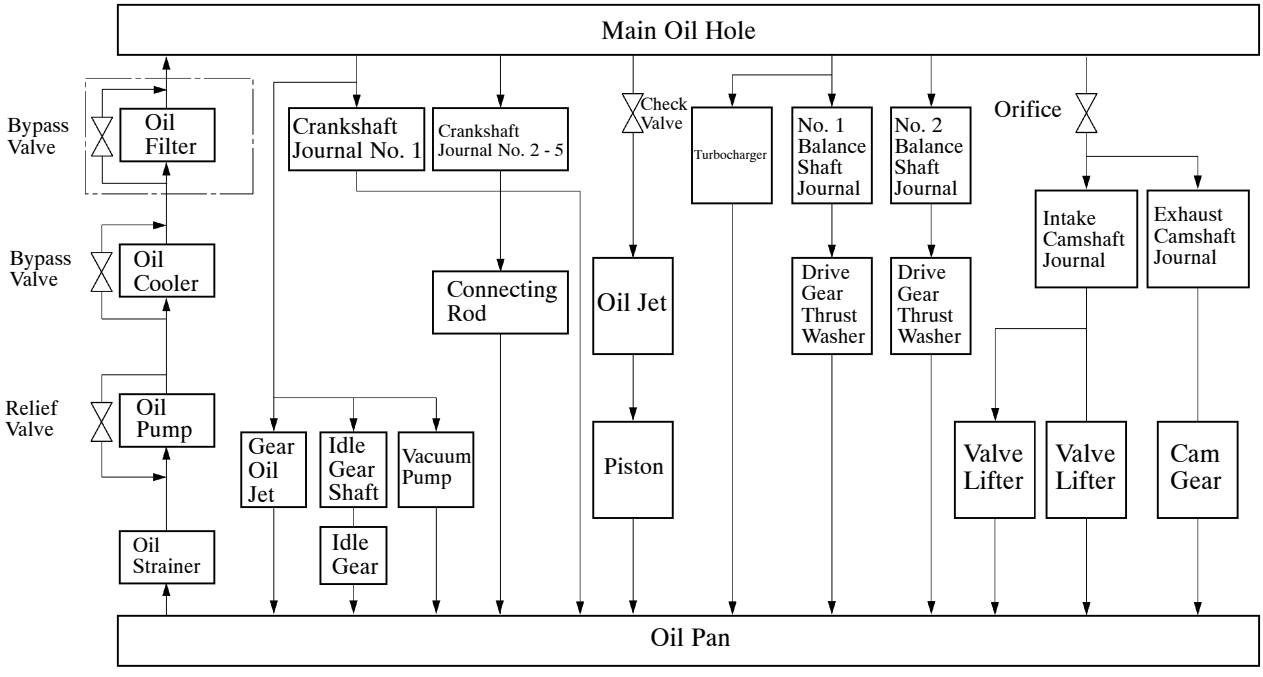
1. General

- The lubrication circuit is fully pressurized and all oil passes through an oil cooler and an oil filter.
- A trochoid oil pump driven by a gear engaged with the crankshaft is used.
- A water-cooled type engine oil cooler is enclosed in the cylinder block.
- Piston oil jets that lubricate and cool the piston are provided.

▶ 1KD-FTV Engine ◀

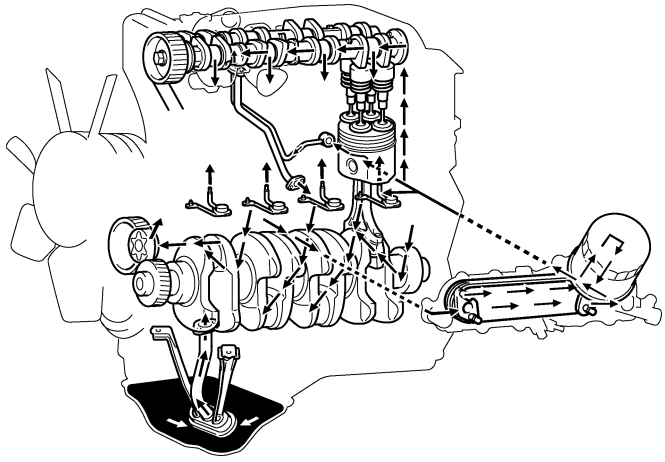


271EG108

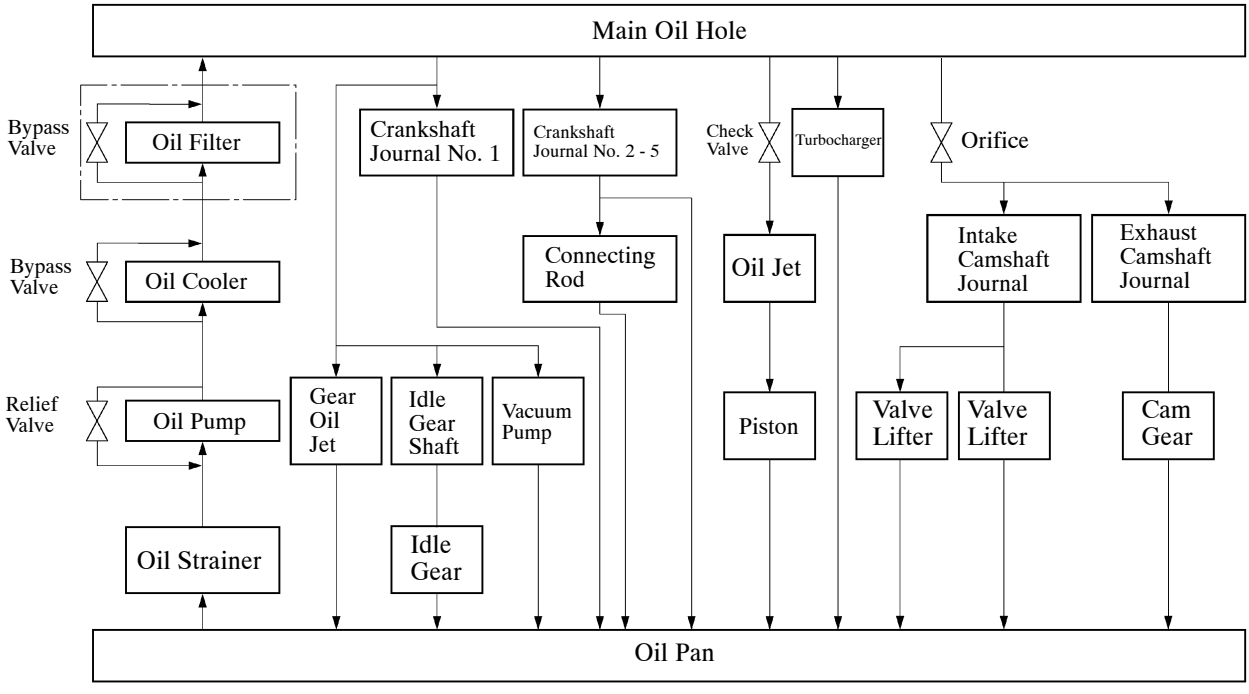


271EG109

▶ 2KD-FTV High Version Engine ◀



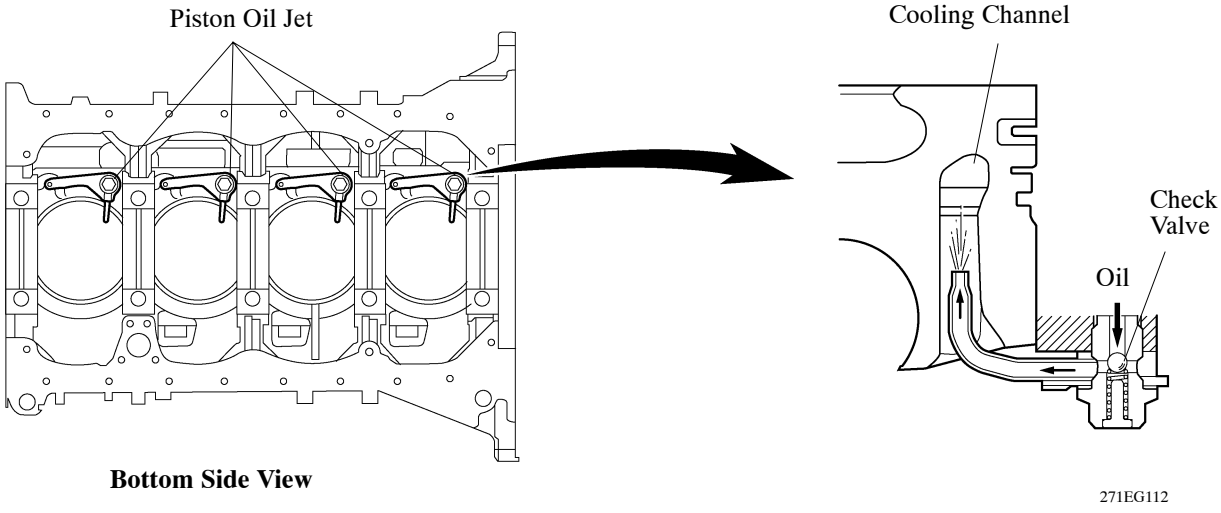
271EG110



271EG111

2. Piston Oil Jet

- Piston oil jets are provided at the bottom of the cylinder block to spray oil to the piston's cooling channel, thus further cooling and lubricating the piston.
- These oil jets contain a check valve to prevent oil from being fed when the oil pressure is low. This prevents the overall oil pressure in the engine from dropping.



Bottom Side View