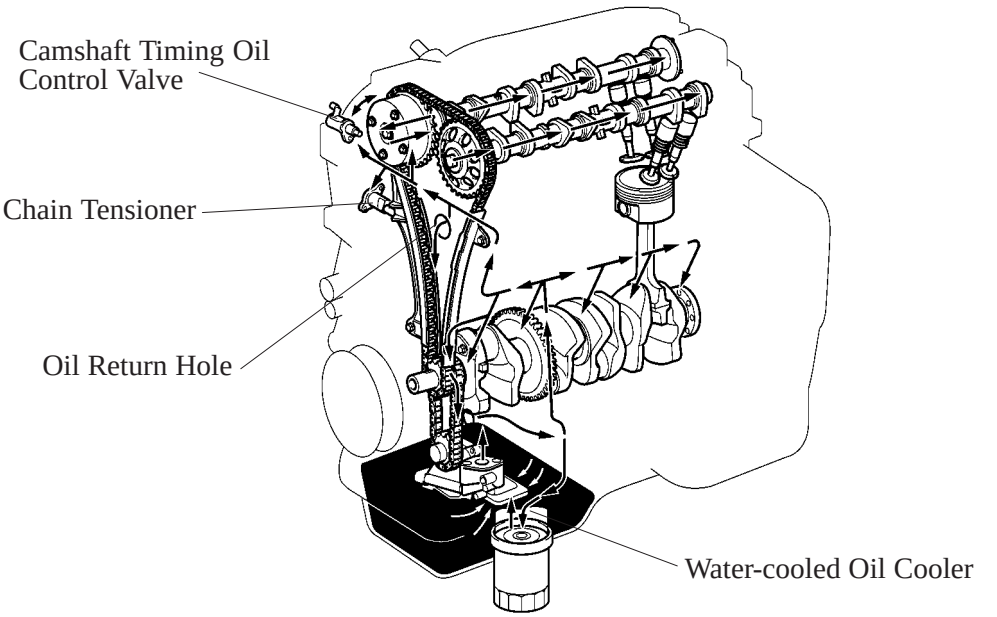
■LUBRICATION SYSTEM

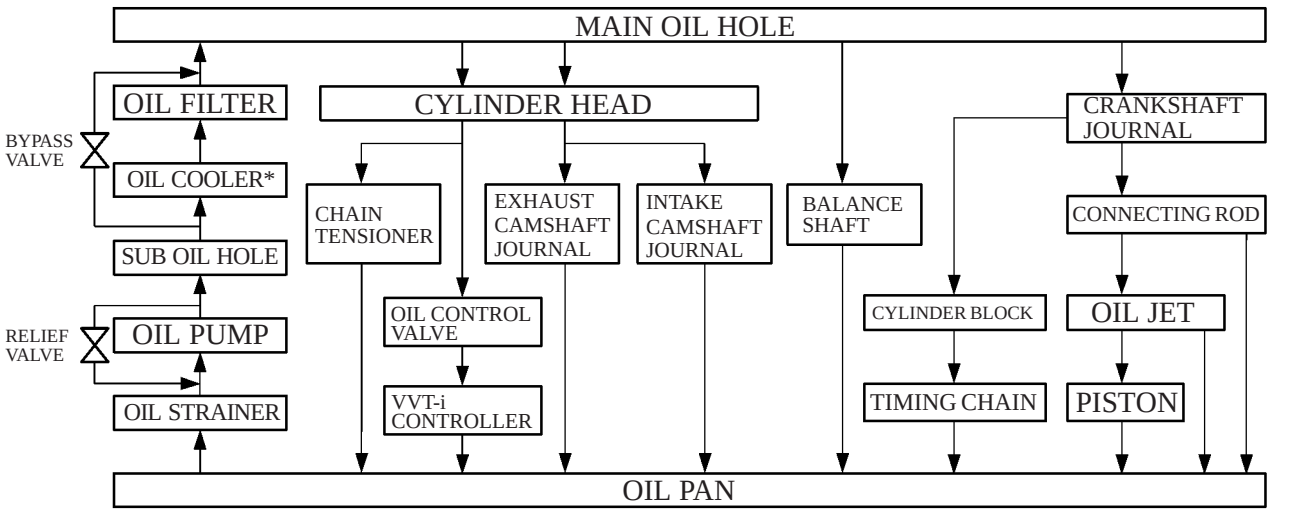
1. General

- The lubrication circuit is fully pressurized and oil passes through an oil filter.
- The trochoidal type oil pump is chain-driven by the crankshaft.
- The oil filter is attached downward from the crankcase to improve serviceability.
- Along with the adoption of the VVT-i system, the cylinder head is provided with a VVT-i controller and a camshaft timing oil control valve. This system is operated by the engine oil.
- A water-cooled oil cooler has been installed between the crank case and the oil filter in the 2AZ-FE engine model.



181EG25

2AZ-FE Engine Model



*: 2AZ-FE Engine Model

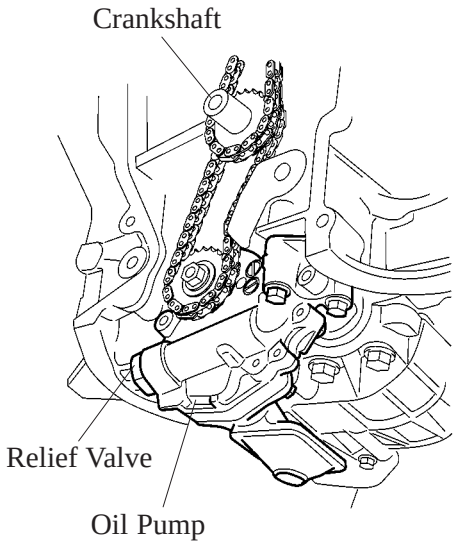
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▶ Specifications ◀

Oil Capacity	Dry	5.0 liters (5.3 US qts, 4.4 Imp. qts)
	with Oil Filter	3.8 liters (4.0 US qts, 3.3 Imp. qts)
	without Oil Filter	3.6 liters (3.8 US qts, 3.2 Imp. qts)

2. Oil Pump

- The trochoidal type oil pump is chain-driven by the crankshaft, and fits compactly inside the timing chain cover.
- Friction has been reduced by means of 2 relief holes in the internal relief system.



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