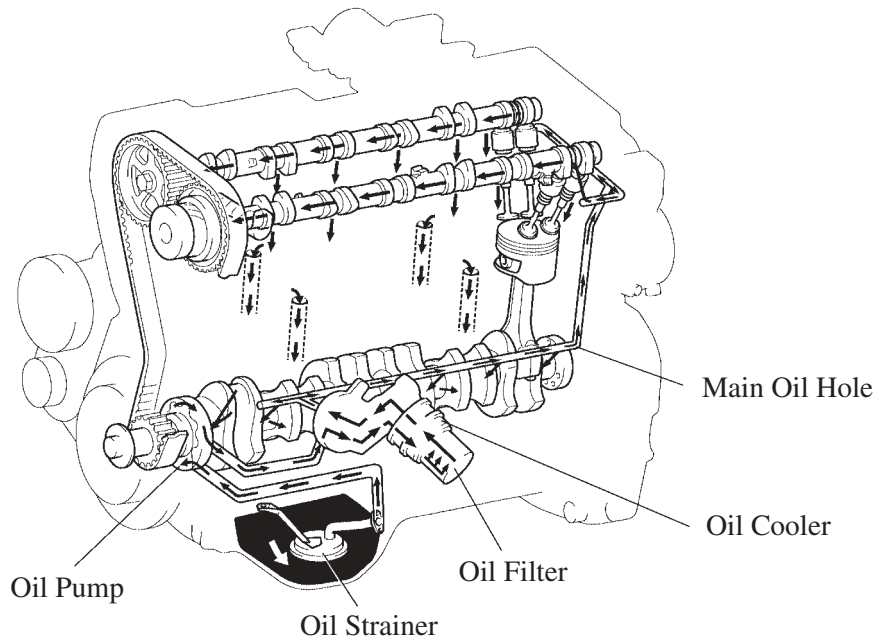


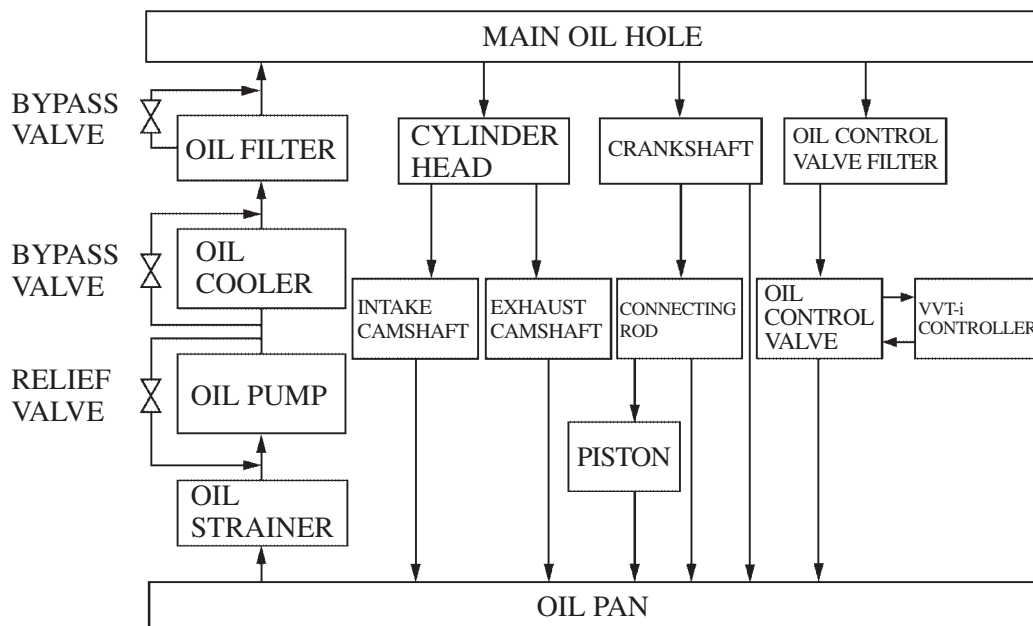
## ■ LUBRICATION SYSTEM

### 1. General

- The lubrication is fully pressurized and all oil passes through an oil filter.
- The oil pump is a trochoid gear type and is directly driven by the crankshaft.
- 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 is used.



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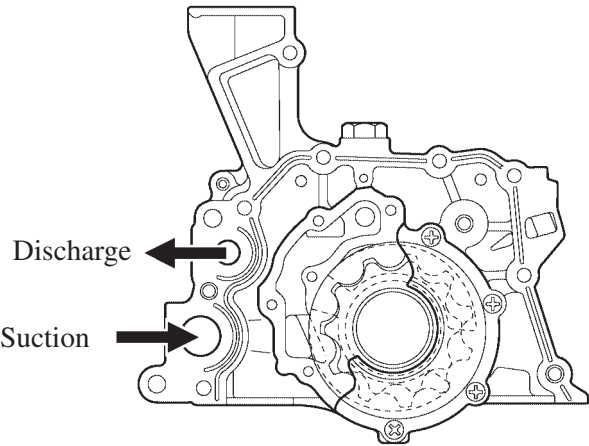
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► Specification ◀

Oil Capacity	Dry	liters (US qts, Imp. qts)	6.5 (1.716, 1.43)
	with Oil Filter	liters (US qts, Imp. qts)	5.2 (1.373, 1.144)
	without Oil Filter	liters (US qts, Imp. qts)	5.5 (1.452, 1.21)

2. Oil Pump

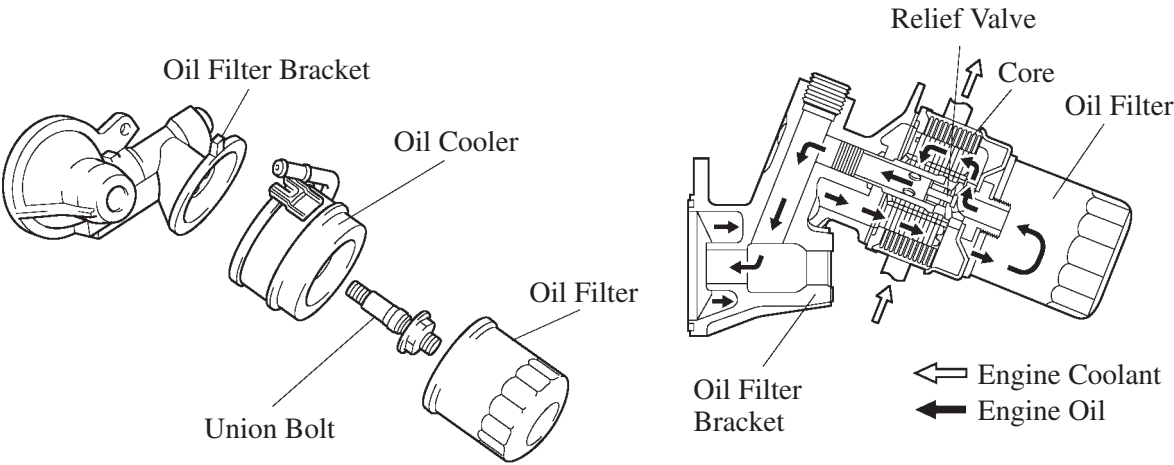
- The trochoid type oil pump is directly driven by the crankshaft.
- The relief valve is integrated into the pump to reduce the friction lose.



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3.Oil Cooler

- The oil cooler is a water-cooled, multi-plate full flow type.
- The oil cooler is installed between the oil filter bracket and the oil filter.



204EG52

Oil Cooler Cross Section

204EG53