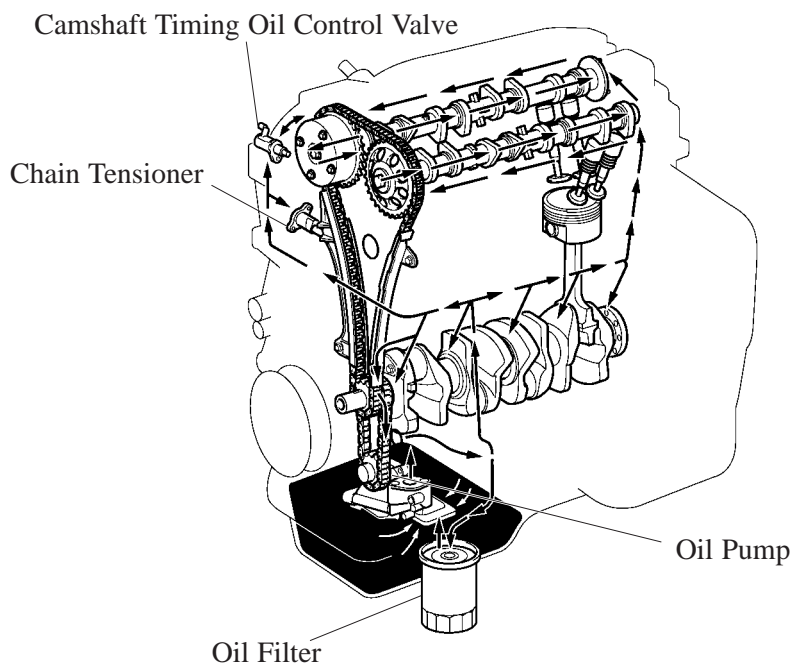


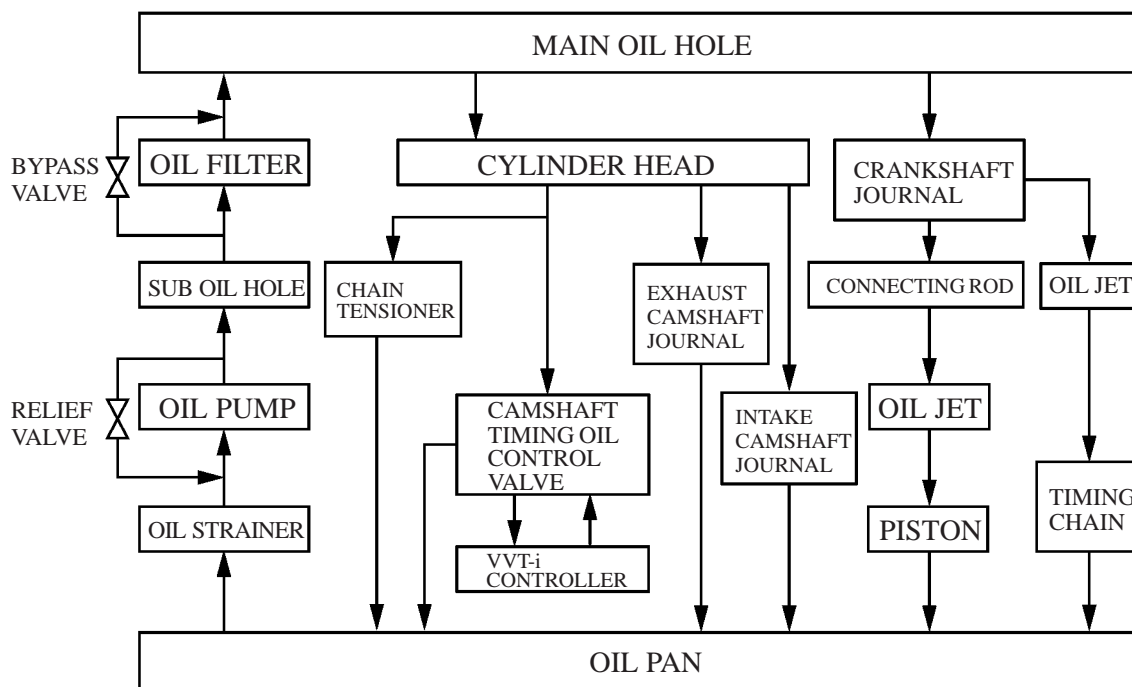
■ LUBRICATION SYSTEM

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.



206EG45



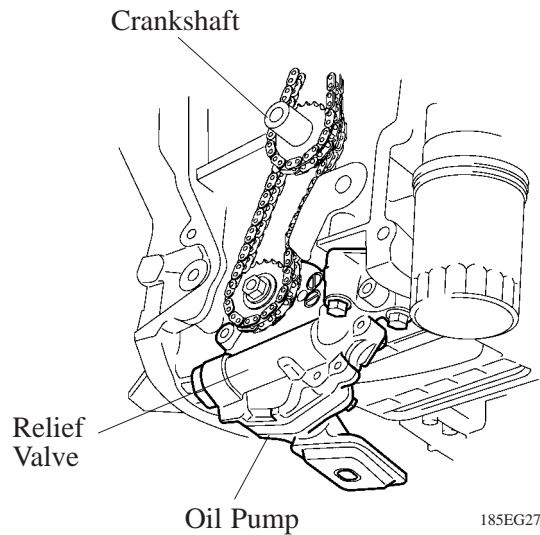
206EG10

► Specification ◀

Oil Capacity	Dry	4.9 liters (5.2 US qts, 4.3 Imp. qts)	
	with Oil Filter	4.2 liters (4.4 US qts, 3.7 Imp. qts)	
	without Oil Filter	4.0 liters (4.2 US qts, 3.5 Imp. qts)	
Oil Pump	Type	Trochoid Gear	
	Pump Speed	600 rpm	6000 rpm
	Discharge Volume	3.4 l/min	48.1 l/min
	Discharge Pressure	100 kPa (1.0 kgf/cm ² , 14.2 psi)	290 kPa (3.0 kgf/cm ² , 42.7 psi)
	Relief Valve Opening Pressure	456 kPa (4.6 kgf/cm ² , 65.4 psi)	
Oil Filter	Type	Full-flow	
	Displacement	75 cm ³ (4.8 cu. in.)	
	Bypass Valve Opening Pressure	80 – 120 kPa (0.8 – 1.2 kgf/cm ²)	

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.



185EG27