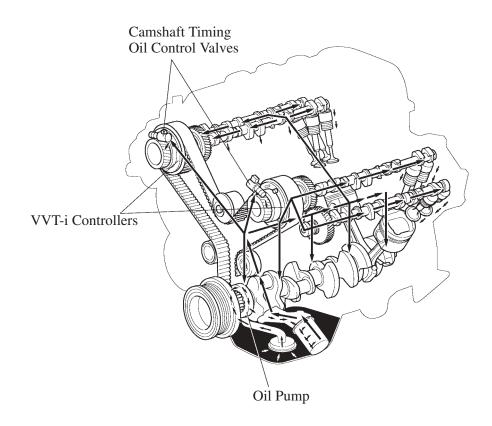
■ LUBRICATION SYSTEM

- The lubrication circuit is fully pressurized and oil passes through an oil filter.
- The trochoid gear type oil pump is directly driven by the crankshaft.
- Along with the adoption of the VVT-i (Variable Valve Timing-intelligent), right bank and left bank cylinder heads are provided with VVT-i controllers and camshaft timing oil control valves. This system is operated by the engine oil.



MAIN OIL HOLE CAMSHAFT TIMING OIL CONTROL VALVE FILTER (FOR RIGHT BANK) CAMSHAFT TIMING OIL CONTROL VALVE FILTER (FOR LEFT BANK) CYLINDER HEAD CYLINDER HEAD CRANKSHAFT (FOR LEFT BANK) JOURNALS (FOR RIGHT BANK) BY-PASS X INTAKE CAMSHAFT EXHAUST INTAKE CRANKSHAFT EXHAUST OIL FILTER CAMSHAFT TIMING OIL CONTROL VALVE (FOR LEFT BANK) CAMSHAFT TIMING OIL CONTROL VALVE (FOR RIGHT BANK) VALVE CAMSHAFT CAMSHAFT CAMSHAFT PINS JOURNALS JOURNALS **JOURNALS** JOURNALS RELIEF VVT-i CONTROLLER (FOR RIGHT BANK) OIL PUMP VVT-i CONTROLLER (FOR LEFT BANK) OIL JETS VALVE SCISSORS GEAR MECHANISM SCISSORS GEAR MECHANISM OIL STRAINER PISTONS **OIL PAN**

188EG26