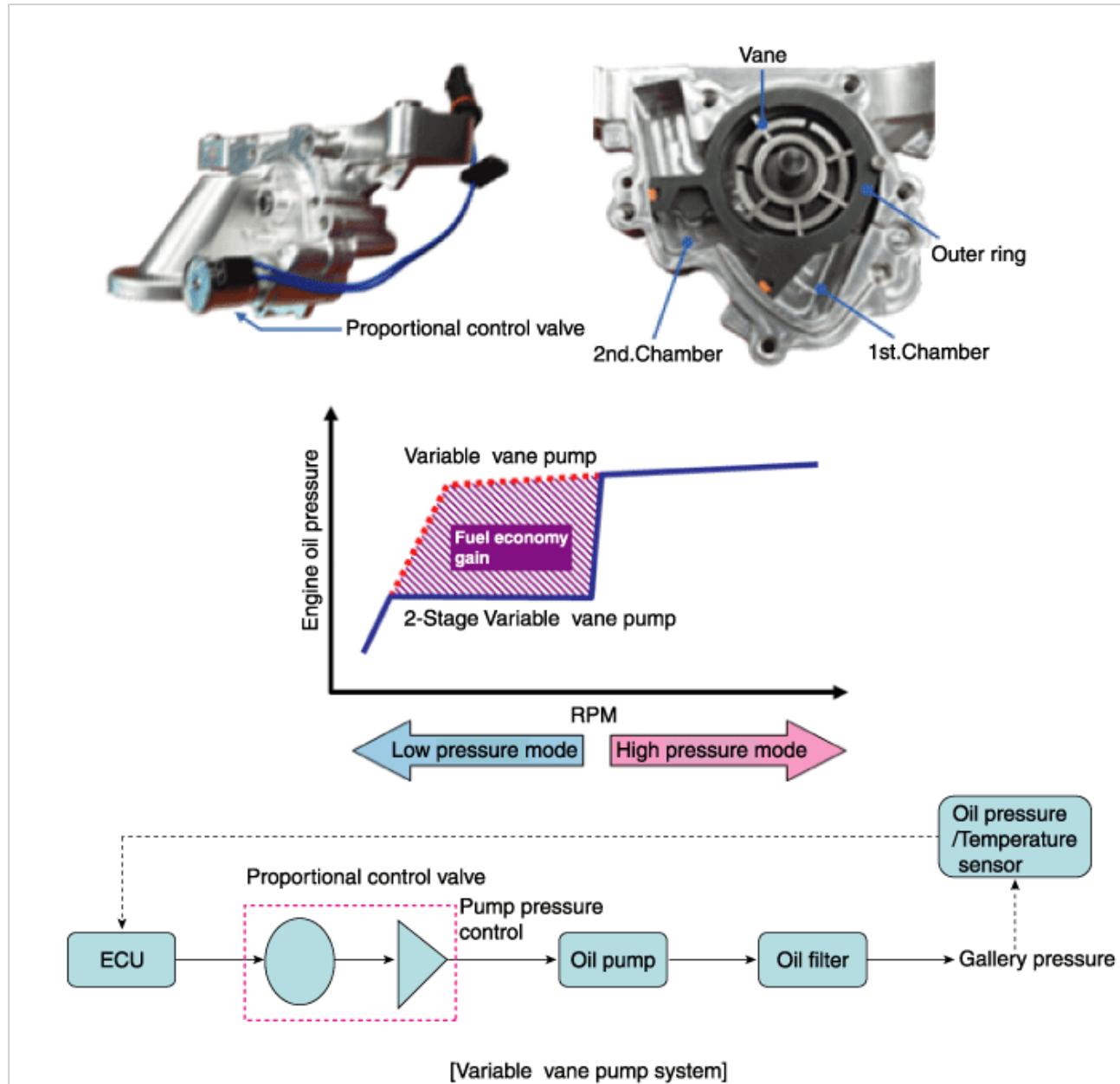




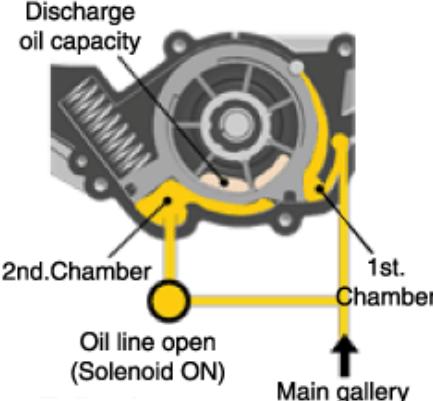
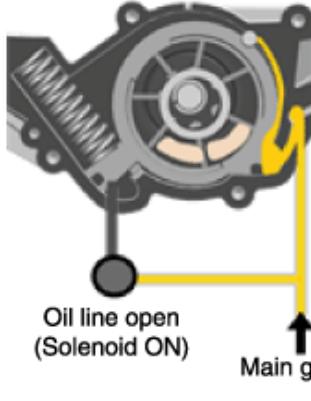
Description

2-Stage variable Vane Pump improves the fuel economy by controlling the oil pressure into two stages and by optimizing the hydraulics of low/medium rpm.

The oil pressure/temperature sensor delivers the pressure information to ECM by measuring the oil pressure and temperature from oil pump, and ECM maintains the pressure discharged from the RPM constantly by controlling the proportional control valve.



Operation

| Division | Low pressure mode | High pressure mode |
|-----------------|---|--|
| Drive Mechanism |  |  |
| Drive condition | - Low / middle speed area | <ul style="list-style-type: none"> - High speed area - The car ignition initial time when the engine oil temperature is low - The engine oil pressure is low when the engine oil temperature is high - Low/middle speed area High load Condition |

Control the frequent operation of solenoid by setting the mode change timing differently when increasing or decreasing the engine rpm.

