

VVT-i System

- This engine uses a Dual VVT-i (Variable Valve Timing-intelligent) system that continuously varies the phases of the camshafts. By regulating the timing of the intake and exhaust valves in accordance with the driving conditions, this system realizes fuel economy, high power output, and low exhaust emissions.

Cooling Fan System

- To achieve an optimal fan speed in accordance with the engine coolant temperature, vehicle speed, engine speed, and air conditioning operating conditions, the engine ECU calculates the proper fan speed and sends the signals to the cooling fan ECU. Upon receiving the signals from the engine ECU, the cooling fan ECU actuates the fan motors. Also, the fan speed is controlled by engine ECU using the stepless control.

