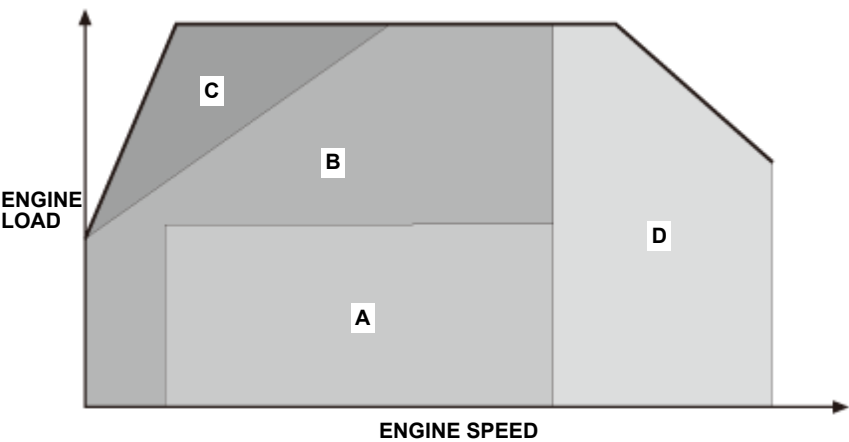


VTEC/VTC System Description

Overview

This i-VTEC system has a VTC for the intake valve (IN) control, has a VTEC and VTC for the exhaust valve (EX) control. VTEC and VTC system's typical operation and purpose are followings.

Engine Speed and Load Condition	VTEC and VTC System Operation			Purpose
	VTEC (EX)	VTC (IN)	VTC (EX)	
A: Low-Mid Speed, Low Load	HI	Advance	Retard	Reduction of exhaust emissions level by the internal EGR effect
B: Low-Mid Speed, Mid Load	LO	Advance	Retard	Improvement of turbocharger transition response for acceleration
C: Low Speed, High Load	LO	Advance	Retard	Improvement of scavenging of the cylinder, prevention of the exhaust gas backflow
D: High Speed, High Load	HI	Retard	Advance	Reduction of the residual gas, reduction of pumping loss



VTEC

Overview

This VTEC system changes the exhaust valve lift timing and lift height depending on the engine speed and load in order to optimize the fuel efficiency and the engine output.

The rocker arm oil control solenoid switches the VTEC system on and off; the solenoid is controlled by the PCM.

