ENGINE CONTROL SYSTEM

SERVICE DATA

031D8–02

Throttle body		
	Standard throttle valve opening angle	60 % or more
Accelerator pedal position sensor		
Voltage (ACCEL POS)	Accelerator pedal released	0.5 to 1.1 V
	Accelerator pedal depressing	2.6 to 4.5 V
Voltage (ACCEL POS#2)	Accelerator pedal released	1.2 to 2.0 V
	Accelerator pedal depressing	3.4 to 5.3 V
Camshaft timing oil control valve assy		
	VVT system is OFF (OCV is OFF)	Normal engine speed
	VVT system is ON (OCV is ON)	Rough idle or engine stalled
Camshaft timing oil control valve assy		
Resistance	at 20°C (68°F)	6.9 to 7.9 Ω
Mass air flow meter		
Resistance	at –20°C(–4°F)	13.6 to 18.4 kΩ
	at 20°C(68°F)	2.21 to 2.69 kΩ
	at 60°C(140°F)	0.49 to 0.67 kΩ
Throttle W/ Motor body assy		
Resistance	at 20 °C (68 °F)	0.3 to 100 Ω
Knock sensor		
Resistance	at 20 °C (68 °F)	120 to 280 kΩ
Engine coolant temperature sensor		
Resistance	at 20°C (68°F)	2.32 to 2.59 kΩ
	at 80°C (176°F)	0.310 to 0.326 kΩ
Circuit opening relay		
Specified condition	1 – 2	Continuity
	3 – 5	No continuity
	3 – 5	Continuity (Apply battery voltage terminal 1 and 2)
EFI relay		
Specified condition	1 – 2	Continuity
	3 – 5	No continuity
	3 – 5	Continuity (Apply battery voltage terminal 1 and 2)