

# ENGINE CONTROL SYSTEM

## SERVICE DATA

0318D-01

Throttle body	Standard throttle valve opening percentage	60 % or more
Accelerator pedal position sensor	Accelerator pedal released	0.5 - 1.1 V
Voltage (ACCEL POS)	Accelerator pedal depress	2.6 - 4.5 V
Voltage (ACCEL POS#2)	Accelerator pedal released	1.2 - 2.0 V
	Accelerator pedal depress	3.4 - 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 - 7.9 Ω
Mass air flow meter	Resistance at -20°C(-4 °F)	13.6 - 18.4 kΩ
	at 20°C(68°F)	2.21 - 2.69 kΩ
	at 60°C(140°F)	0.49 - 0.67 kΩ
Throttle W/ Motor body	Resistance at 20 °C (68 °F)	0.3 - 100 Ω
Knock sensor	Resistance at 20 °C (68 °F)	120 - 280 kΩ
Engine coolant temperature sensor	Resistance Approx. 20°C (68°F)	2.32 - 2.59 kΩ
	Approx. 80°C (176°F)	0.310 - 0.326 kΩ
Circuit opening relay	Specified condition 1 - 2	Continuity
	3 - 5	No continuity
EFI relay	Specified condition 1 - 2	Continuity
	3 - 5	No continuity