

ENGINE CONTROL SYSTEM

SERVICE DATA

031UU-01

Throttle body	Standard throttle valve opening percentage	60% or more
Accelerator pedal position sensor	Standard voltage	0.6 to 1.0 V
Mass air flow meter assy	Resistance	1 (+B) - 2 (E2G) 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) 0.493 to 0.667 kΩ
Camshaft timing oil control valve assy	Resistance	at 20°C (68°F) 6.9 to 7.9 Ω
Accelerator pedal rod assy	Resistance	2 (VPA2) - 3 (EP1) 5.0 kΩ or less 5 (VPA1) - 1 (EP2) 5.0 kΩ or less 6 (VCP1) - 3 (EP1) 1.5 to 6.0 kΩ 4 (VCP2) - 1 (EP2) 1.5 to 6.0 kΩ
Throttle body assy	Resistance	at 20°C (68°F) 2 (M+) - 1 (M-) 0.3 to 100 Ω 5 (VC) - 3 (E2) 1.2 to 3.2 kΩ
E.F.I. engine coolant temperature sensor	Resistance	Approx. 20°C (68°F) 2.32 to 2.59 kΩ Approx. 80°C (176°F) 0.310 to 0.326 kΩ
Knock sensor	Resistance	at 20°C (68°F) 120 to 280 kΩ
EFI, C/OPN relay	Specified condition	3 - 5 10 kΩ or higher 3 - 5 Below 1 Ω (when battery voltage is applied to terminals 1 and 2)
F/PMP relay	Specified condition	3 - 4 Below 1 Ω 3 - 4 10 kΩ or higher (when battery voltage is applied to terminals 1 and 2)