ELECTRONIC CONTROL DIESEL

SERVICE DATA

SS0L2–03

Throttle position sensor	Clearance between stop screw and lever		
	0 mm (0 in.)	VTA – E2	0.2 – 5.8 kΩ
	0 mm (0 in.)	IDL – E2	2.3 – or less
	1.60 mm (0.063 in.)	IDL – E2	Infinity
	Throttle valve fully open	VTA – E2	1.4 – 9.5 kΩ
		VC – E2	2.5 – 5.9 kΩ
Timing control valve	Resistance	at 20°C (68°F)	10 – 14 Ω
Spill control valve	Resistance	at 20°C (68°F)	1 – 2 Ω
VSV for intake constrictor control	Resistance	at 20°C (68°F)	38.5 – 44.5 kΩ
Water temperature sensor, Fuel temperature sensor, Intake air temperature sensor	Resistance	at –20°C (–4°F)	10 – 20 kΩ
		at 0°C (32°F)	4 – 7 kΩ
		at 20°C (68°F)	2 – 3 kΩ
		at 40°C (104°F)	0.9 – 1.3kΩ
		at 60°C (140°F)	0.4 – 0.7 kΩ
		at 80°C (176°F)	0.2 – 0.4 kΩ
Turbo pressure sensor	Power source voltage		4.5 – 5.5 V
Engine speed sensor	Resistance	at 20°C (68°F)	205 – 255 Ω
Crankshaft position sensor	Resistance	at Cold	19 – 32 Ω
		at Hot	24 – 37 Ω
Injection pump correction resistor	Resistance	at 20°C (68°F)	0.1 – 2.5 kΩ