SFI (2RZ–FE, 3RZ–FE)

SS112–04

SERVICE DATA

Fuel pressure regulator	Fuel pressure	at no vacuum	265 – 304 kPa (2.7 – 3.1 kgf/cm^2, 38 – 44 psi)
Fuel pump	Resistance	at 20°C (68°F)	0.2 – 3.0 Ω
Injector	Resistance	at 20°C (68°F)	12 – 16 Ω
	Injection volume		71 – 86 cm^3 (4.3 – 5.3 cu in.) per 15 seconds
	Difference between each cylinder		15 cm^3 (1.0 cu in.) or less
	Fuel leakage		1 drop or less per 12 minutes
MAF meter	Resistance (THA – E3)	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 – 1.3 kΩ
		at 60°C (140°F)	0.4 – 0.7 kΩ
		at 80°C (176°F)	0.2 – 0.4 kΩ
Throttle body	Throttle valve fully closed angle		6°
	Throttle opener setting speed		1,200 – 1,500 rpm
Throttle position sensor	Clearance between stop screw and lever		
	0 mm (0 in.)	VTA – E2	0.2 – 5.7 kΩ
	Throttle valve fully open	VTA – E2	2.0 – 10.2 kΩ
	–	VC – E2	2.5 – 5.9 kΩ
IAC valve	Resistance (+B – RSC or RSO)	at cold	17.0 – 24.5 Ω
		at hot	21.5 – 28.5 Ω
ECT 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 – 1.3 kΩ
		at 60°C (140°F)	0.4 – 0.7 kΩ
		at 80°C (176°F)	0.2 – 0.4 kΩ
Vapor pressure sensor	Power source voltage		4.5 – 5.5 V
VSV for EVAP	Resistance	at 20°C (68°F)	30 – 34 Ω
VSV for CCV	Resistance	at 20°C (68°F)	25 – 30 Ω
		at 120°C (248°F)	33 – 42 Ω
VSV for pressure switching valve	Resistance	at 20°C (68°F)	30 – 36 Ω
VSV for vapor pressure sensor	Resistance	at 20°C (68°F)	37 – 44 Ω
VSV for EGR	Resistance	at 20°C (68°F)	33 – 39 Ω
EGR gas temp. sensor	Resistance	at 50°C (122°F)	64 – 97 kΩ
		at 100°C (212°F)	11 – 16 kΩ
		at 150°C (302°F)	2 – 4 kΩ
A/F sensor	Heater coil resistance		
	Bank 1 Sensor 1	at 20°C (68°F)	0.8 – 1.4 Ω
		at 800°C (1,472°F)	1.8 – 3.2 Ω
Heated oxygen sensor	Heater coil resistance		
	Bank 1 Sensor 1	at 20°C (68°F)	11 – 16 Ω
	Bank 1 Sensor 2	at 20°C (68°F)	11 – 16 Ω
Fuel cut RPM	Fuel return rpm	M/T	1,400 rpm
		A/T	1,500 rpm