

**SFI (2RZ-FE, 3RZ-FE)**

SS112-03

**SERVICE DATA**

Fuel pressure regulator	Fuel pressure at no vacuum	265 - 304 kPa (2.7 - 3.1 kgf/cm <sup>2</sup> , 38 - 44 psi)
Fuel pump	Resistance at 20°C (68°F)	0.2 - 3.0 Ω
Injector	Resistance Injection volume Difference between each cylinder Fuel leakage at 20°C (68°F)	12 - 16 Ω 71 - 86 cm <sup>3</sup> (4.3 - 5.3 cu in.) per 15 seconds 15 cm <sup>3</sup> (1.0 cu in.) or less 1 drop or less per 12 minutes
MAF meter	Resistance (THA - E3) at -20°C (-4°F) at 0°C (32°F) at 20°C (68°F) at 40°C (104°F) at 60°C (140°F) at 80°C (176°F)	10 - 20 kΩ 4 - 7 kΩ 2 - 3 kΩ 0.9 - 1.3 kΩ 0.4 - 0.7 kΩ 0.2 - 0.4 kΩ
Throttle body	Throttle valve fully closed angle Throttle opener setting speed	6° 1,200 - 1,500 rpm
Throttle position sensor	Clearance between stop screw and lever 0 mm (0 in.) Throttle valve fully open - VTA - E2 VTA - E2 VC - E2	0.2 - 5.7 kΩ 2.0 - 10.2 kΩ 2.5 - 5.9 kΩ
IAC valve	Resistance (+B - RSC or RSO) at cold at hot	17.0 - 24.5 Ω 21.5 - 28.5 Ω
ECT sensor	Resistance at -20°C (-4°F) at 0°C (32°F) at 20°C (68°F) at 40°C (104°F) at 60°C (140°F) at 80°C (176°F)	10 - 20 kΩ 4 - 7 kΩ 2 - 3 kΩ 0.9 - 1.3 kΩ 0.4 - 0.7 kΩ 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 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) at 100°C (212°F) at 150°C (302°F)	64 - 97 kΩ 11 - 16 kΩ 2 - 4 kΩ
A/F sensor	Heater coil resistance Bank 1 Sensor 1 at 20°C (68°F) at 800°C (1,472°F)	0.8 - 1.4 Ω 1.8 - 3.2 Ω
Heated oxygen sensor	Heater coil resistance Bank 1 Sensor 1 at 20°C (68°F) Bank 1 Sensor 2 at 20°C (68°F)	11 - 16 Ω 11 - 16 Ω
Fuel cut RPM	Fuel return rpm M/T A/T	1,400 rpm 1,500 rpm