

SERVICE SPECIFICATIONS

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) Injection volume Difference between each cylinder Fuel leakage	13.4 – 14.2 Ω 66 – 82 cm ³ (4.0 – 5.0 cu in.) per 15 sec. 5 cm ³ (0.3 cu in.) or less One drop or less per minute
MAF meter	Resistance (THA–E2) 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 body fully closed angle Dashpot setting speed Throttle opener setting speed	6° 2,200 ± 300 rpm 700 – 1,000 rpm
Throttle position sensor	Clearance between stop screw and lever Terminal 0 mm (0 in.) VTA – E2 0.50 mm (0.020 in.) IDL – E2 0.75 mm (0.030 in.) IDL – E2 Throttle valve fully open VTA – E2 – VC – E2	Resistance 0.2 – 5.7 kΩ 2.3 kΩ or less Infinity 2.0 – 10.2 kΩ 2.5 – 5.9 kΩ
IAC valve	Resistance (B1–S1 and S3, B2–S2 and S4) at 20°C (68°F)	10 – 30 Ω
Fuel pump resistor	Resistance at 20°C (68°F)	0.70 – 0.76 Ω
VSV for fuel pressure control	Resistance at 20°C (68°F)	37 – 44 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
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
Heated oxygen sensor	Heater coil resistance at 20°C (68°F)	11 – 16 Ω
Fuel cut rpm	Fuel return rpm	1,200 rpm

TORQUE SPECIFICATIONS

Part tightened	N·m	kgf·cm	ft·lbf
Fuel line for union bolt for flare nut	29	300	22
	30	310	22
Second seat x Body	39	400	29
Fuel pump bracket assembly x Fuel tank	3.9	40	35 in.·lbf
Fuel inlet hose x Fuel filter	29	300	22
Fuel inlet pipe x Fuel filter	29	300	22
Fuel filter x Intake manifold	21	210	15
Fuel pressure regulator x Delivery pipe	25	250	18
Delivery pipe x Intake manifold	21	210	15
Fuel inlet pipe x Delivery pipe (Union bolt)	29	300	22
Fuel inlet pipe x Delivery pipe (Bolt)	20	200	14
Fuel inlet pipe x Fuel filter	29	300	22
Fuel return pipe x Intake manifold	20	200	14
Air intake chamber x Intake manifold	21	210	15
Intake manifold stay x Air intake chamber	36	360	26
Intake manifold stay x Cylinder block	36	360	26
PS reservoir tank x Air intake chamber	18	185	13
Heater inlet pipe x Air intake chamber	20	200	14
Drain plug x Fuel tank	6.5	65	57 in.·lbf
Fuel tank brether tube x Fuel tank	1.5	15	13 in.·lbf
Fuel tank filler pipe x Fuel tank	3.5	35	31 in.·lbf
Fuel tank band x Body	39	400	29
MAF meter x Bracket	6.9	70	61 in.·lbf
MAF meter x Air cleaner cap	6.9	70	61 in.·lbf
Throttle body x Air intake chamber	21	210	15
Fuel pump resistor x Body	18	185	13
ECT sensor x Cylinder head	20	200	14
EGR gas temperature sensor x Air intake chamber	20	200	14
Knock sensor x Cylinder block	44	450	33