

EFI SYSTEM

Specifications

Fuel pressure regulator	Fuel pressure at No vacuum		2.7 – 3.1 kg/cm ² (38 – 44 psi, 265 – 304 kPa)	
Cold start injector	Resistance Fuel leakage		2 – 4 Ω Less than one drop of fuel per minute	
Injector	Resistance Injection volume Difference between each injector Fuel leakage		13.4 – 14.2 Ω 40 – 50 cc/15 sec (2.4 – 3.1 cu in.) 6 cc (0.4 cu in.) or less One drop or less of fuel per minute	
Throttle body	Throttle valve fully closed angle		10°	
Throttle position sensor	Throttle opening angle (from vertical)	Clearance between stop screw and lever	IDL – E1	PSW – E1
	–	0.30 mm (0.012 in.)	Continuity	No continuity
	–	0.40 mm (0.016 in.)	No continuity	No continuity
	Less than 11.5°	–	Continuity	No continuity
	67°	–	No continuity	No continuity
73°	–	No continuity	Continuity	
Start injector time switch	Resistance	STA – STJ	30 – 50 Ω	Below 10°C (50°F)
			70 – 90 Ω	Above 25°C (77°F)
		STA – Ground	30 – 90 Ω	–
Water temp. sensor and air temp. sensor	Resistance	at – 20°C (–4°F)	10 – 20 kΩ	
		0°C (32°F)	4 – 7 kΩ	
		40°C (104°F)	0.9 – 1.3 kΩ	
		60°C (140°F)	0.4 – 0.7 kΩ	
		80°C (176°F)	0.2 – 0.4 kΩ	
ECU	NOTE: 1. Perform all voltage and resistance measurements with the ECU connected. 2. Verify that the battery voltage is 11 V or above when the ignition switch is ON. 3. The testing probes must not make contact with the ECU OX and VF terminals.			
	Terminal	STD voltage (V)	Condition	
	BATT – E1	10 – 14	—	
	+ B – E1		Ignition switch ON	
	+ B1 – E1			
	IDL – E1	8 – 14	Ignition Switch ON	Throttle valve open
	PSW – E1	4.5 – 5.5		Throttle valve fully closed
	IGT – E1	0.7 – 1.0	Cranking or idling	
	STA – E1	6 – 14	Cranking	
	No. 10 – E01 No. 20 – E02	9 – 14	Ignition switch ON	
	W – E1	9 – 14	No trouble (check engine warning light off) and engine running	

Specifications (Cont'd)

ECU	Terminal	STD voltage (V)	Condition	
	PIM – E2 (E21)	3.3 – 3.9	Ignition switch ON	
	VCC – E2 (E21)	4.5 – 5.5		
	THA – E2 (E21)	2.0 – 2.8	Ignition switch ON	Intake air temperature 20°C (68°F)
	THW – E2 (E21)	0.4 – 0.8		Coolant temperature 80°C (176°F)
	Terminal	Resistance (kΩ)	Condition	
	IDL – E2 (E21)	Infinity	Throttle valve open	
		0	Throttle valve fully closed	
	PSW – E2 (E21)	0	Throttle valve fully open	
		Infinity	Throttle valve fully closed	
	THA – E2 (E21)	2 – 3	Intake temperature 20°C (68°F)	
	THW – E2 (E21)	0.2 – 0.4	Coolant temperature 80°C (176°F)	
	Ne – Ne ⊖	0.14 – 0.18	—	
	Fuel cut rpm		1,600 rpm	
	Fuel return rpm		1,400 rpm	

Torque Specifications

Part tightened	kg-cm	ft-lb	N-m
Delivery pipe x Intake manifold	200	14	20
Delivery pipe x Injector cover	45	39 in.-lb	4.4
No. 1 Fuel pipe x Delivery pipe	300	22	29
No. 1 Fuel pipe x Fuel filter	300	22	29
Cold start injector tube x Cold start injector	200	14	20
Cold start injector tube x Delivery pipe	200	14	20
Pressure regulator x Delivery pipe	250	18	25