EFI SYSTEM

Specifications

Fuel pressure regulator	Fuel pressure	at No vacuum	2.7 – 3.1 kg/cm² (38 – 44 psi, 265 – 304 kPa)	
Cold start inspector	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
	– – Less than 11.5° 67° 73°	0.30 mm (0.012 in.) 0.40 mm (0.016 in.) – – –	Continuity No continuity Continuity No continuity No continuity	No continuity No continuity No continuity No continuity Continuity
Start injector time switch	Resistance	STA – STJ STA – Ground	30 – 50 Ω 70 – 90 Ω 30 – 90 Ω	Below 10°C (50°F) Above 25°C (77°F) –
Water temp. sensor and air temp. sensor	Resistance	at – 20°C (–4°F) 0°C (32°F) 40°C (104°F) 60°C (140°F) 80°C (176°F)	10 – 20 kΩ 4 – 7 kΩ 0.9 – 1.3 kΩ 0.4 – 0.7 kΩ 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 cup rpm	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