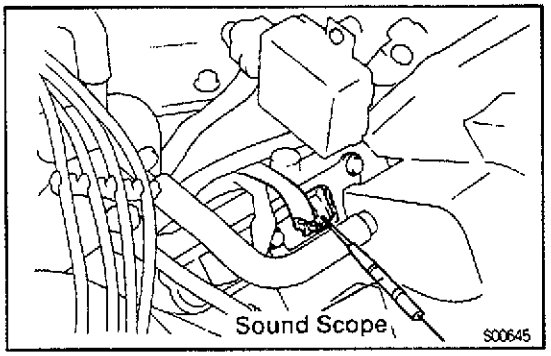


EG

FUEL CUT RPM

FUEL CUT RPM INSPECTION

1. **WARM UP ENGINE**
   Allow the engine to warm up to normal operating temperature.
2. **CONNECT TACHOMETER TO ENGINE**
   (See step 2 in ignition timing inspection and adjustment in Engine Mechanical)
3. **INSPECT FUEL CUT RPM OPERATION**

(a) Increase the engine speed to at least 2,500 rpm.
(b) Check for injector operating noise.
(c) Check that when the throttle lever is released, injector operation noise stops momentarily and then resumes.
HINT: Measure with the A/C OFF.
Fuel return speed:
1,200 rpm

4. **DISCONNECT TACHOMETER**

SERVICE SPECIFICATIONS

SERVICE DATA

Fuel pressure regulator	Fuel pressure	at no vacuum	265 – 304 kPa (2.7 – 3.1 kgf/cm², 38 – 44 psi)
Fuel pump	Resistance	at 20°C (68°F)	0.2 – 3.0 Ω
Injector	Resistance	at 20°C (68°F)	13.8 – 14.2 Ω
	Injection volume		44 – 55 cm³ (2.7 – 3.4 cu in.) per 15 seconds
	Difference between each cylinder		5 cm³ (0.3 cu in.) or less
	Fuel leakage		One drop or less per minute
Throttle body	Throttle body fully closed angle		10°
	Dashpot setting speed		2,000 ± 200 rpm
Throttle position sensor	Clearance between stop screw and lever		
	0.30 mm (0.012 in.)	IDL – E1	Continuity
		PSW – E1	No continuity
	0.50 mm (0.020 in.)	IDL – E1	No continuity
		PSW – E1	No continuity
	Throttle valve opening angle		
	Throttle valve fully open	IDL – E1	No continuity
		PSW – E1	Continuity
	67° from vertical	IDL – E1	No continuity
		PSW – E1	No continuity
	73° from vertical	IDL – E1	No continuity
		PSW – E1	Continuity
	Less than 11.5° from vertical	IDL – E1	Continuity
		PSW – E1	No continuity
Fuel pump resistor	Resistance	at 20°C (68°F)	0.61 – 0.67 Ω

Water temperature 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
Intake air temperature 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
VSV for EVAP	Resistance	at 20°C (68°F)	30 — 33 Ω
VSV for A/C idle-up	Resistance	at 20°C (68°F)	37 — 44 Ω
ECM	Voltage		
	+B — E1	IG SW ON	9 — 14 V
	BATT — E1		9 — 14 V
	IDL — E1	IG SW ON (Throttle valve open)	9 — 14 V
	PSW — E2	IG SW ON (Throttle valve fully closed)	4.5 — 5.5 V
	PIM — E2	IG SW ON	3.3 — 3.9 V
	VC — E2	IG SW ON	4.5 — 5.5 V
	#10, #20 — E01, E02	IG SW ON	9 — 14 V
		Idling	Pulse generation
	THA — E2	IG SW ON	
		(Intake air temperature 20°C (68°F)	0.5 — 3.4 V
	THW — E2	IG SW ON	
		(Coolant temperature 80°C (176°F)	0.2 — 1.0 V
	STA — E1	Cranking	6 V or more
	IGT — E1	IG SW ON	1.5 V or less
		Idling	Pulse generation
	W — E1	No trouble (check engine warning light off) and engine running	9 — 14 V
	A/C — E1	IG SW ON (A/C ON)	1.5 V or less
	ACT — E1	IG SW ON (A/C ON)	4.5 — 5.5 V
	IGT — E1	IG SW ON	4.5 — 5.5 V
		Idling	Pulse generation
	NE+ — NE−	Idling	Pulse generation
	EVP — E1	IG SW ON	9 — 14 V
	FPR — E1	60 seconds or more after engine started	0 — 3 V
		Within 60 seconds after engine started	9 — 14 V
	VF — E1	Maintain engine speed at 2,500 rpm for 2 minutes after warming up then return to idling	1.8 — 3.2 V
	TE1, TE2 — E1	IG SW ON	9 — 14 V
	OX — E1	Maintain engine speed at 2,500 rpm for 2 minutes after warming up	Pulse generation
	SP1 — E1	IG SW ON (Rotate driving wheel slowly)	Pulse generation
	FC — E1	IG SW ON	9 — 14 V
		Idling	0 — 3 V

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ECM (cont'd)	Resistance		
	IDL — E1	Throttle valve open	Infinity
		Throttle valve fully closed	0 Ω
	PSW — E1	Throttle valve open	0 Ω
		Throttle valve fully closed	Infinity
	THA — E2	Intake air temperature 20°C (68°F)	2,000 — 3,000 Ω
	THW — E2	Coolant temperature 80°C (176°F)	200 — 400 Ω
	NE+ — NE−	Cold (−10 — 50°C (14 — 122°F)	370 — 550 Ω
		Hot (50 — 100°C (122 — 212°F)	475 — 650 Ω
Fuel cut rpm	Fuel return rpm		1,200 rpm

TORQUE SPECIFICATIONS

EG0EE-1W

Part tightened		N·m	kgf·cm	ft·lbf
Fuel line	Union bolt type	29.5	300	22
	Flare nut type	30	310	22
Fuel pump x Fuel tank		3.5	35	31 in.·lbf
Fuel pressure regulator x Delivery pipe		24.5	250	18
Injector cover x Delivery pipe		3.5	35	31 in.·lbf
Delivery pipe x Intake manifold		19.5	200	14
Fuel inlet pipe x Delivery pipe, Fuel filter		29.5	300	22
Throttle body x Intake manifold		19	195	14
Water temperature sensor x Intake manifold		20	200	14
Oxygen sensor x Exhaust manifold		20	200	14