

1GR-FE EMISSION CONTROL**SERVICE DATA**

Air-fuel ratio compensation system	Voltage	Standard	B2 - B22 (A1A+) - B3 - 1 (E1)	3.3 V
			B2 - 23 (A2A+) - B3 - 1 (E1)	3.3 V
			B2 - 22 (A1A-) - B3 - (E1)	2.9 V
			B2 - 31 (A2A-) - B3 - (E1)	2.9 V
Fuel cut off rpm	Cut off			2,500 rpm
	Return			1,200 rpm
Lead detection pump	Voltage	Standard	A23 (VC) - A28 (E2)	4.5 to 5.5 V
			E22 (PPMP) - A28 (E2)	1.425 to 4.150 V
vacuum Switching Valve	Resistance	Standard	1 - Body	10 M Ω or higher at 20°C (68°F)
			2 - Body	10 M Ω or higher at 20°C (68°F)
Air fuel ratio sensor (Bank 1, Bank 2)	Resistance	Standard	1 (HT) - 2 (+B)	1.8 to 3.4 Ω at 20°C (68°F)
			1 (HT) - 4 (E1)	10 k Ω or higher
Heated oxygen sensor No. 2 (Bank 1, Bank 2)	Resistance	Standard	1 (HT) - 2 (+B)	11 to 16 Ω at 20°C (68°F)
			1 (HT) - 4 (E1)	10 k Ω or higher

SS

TORQUE SPECIFICATIONS

Part Tightened	N*m	kgf*cm	ft.*lbf
Duty vacuum switching valve x Intake air surge tank	9.0	92	80 in.*lbf
Ventilation valve x Cylinder head cover	27	275	20
Heated oxygen sensor x Exhaust pipe	44	449	33
Air fuel ratio sensor x Exhaust manifold	44	449	33
Negative battery terminal	3.9	40	35 in.*lbf
Charcoal canister x Body	20	204	15