

1NZ-FE COOLING**SERVICE DATA**

Thermostat	Valve opening temperature		80 to 84°C (176 to 183°F)
	Valve lift	at 95°C (203°F)	8.5 mm (0.33 in.) or more
Radiator cap	Standard opening pressure		93 to 123 kPa (0.95 to 1.25 kgf*cm ² , 13.5 to 17.8 psi)
	Minimum opening pressure		78 kPa (0.8 kgf*cm ² , 11.4 psi)
Fan	Standard amperage	at 20°C (68°F)	11.7 to 14.7 A
Cooling Fan Resister	Resistance	at 20°C (68°F)	1.17 to 1.43 Ω
No. 1 Cooling fan relay	Resistance	3 - 5	10 kΩ or higher
		3 - 5	Below 1 Ω (when battery voltage is applied to terminals 1 and 2)
No. 2 cooling fan relay	Resistance	3 - 4	Below 1 Ω
		3 - 5	10 kΩ or higher
		3 - 4	10 kΩ or higher (when battery voltage is applied to terminals 1 and 2)
		3 - 5	Below 1 Ω (when battery voltage is applied to terminals 1 and 2)

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TORQUE SPECIFICATIONS

Part Tightened	N*m	kgf*cm	ft.*lbf
Radiator Drain Plug Sub-assembly x Radiator	13	129	9.4
Water pump x Cylinder block	11	112	8
Water pump pulley x Water pump	15	153	11
Water Inlet x Cylinder block	9.0	92	80 in.*lbf
Water filler x Radiator	7.5	76	66 in.*lbf
Fan shroud x Radiator	7.5	76	66 in.*lbf
Radiator support upper x body	5.0	51	44 in.*lbf
Hood Lock Support x Body	5.0	51	44 in.*lbf

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