1GR-FE COOLING SERVICE DATA

Water inlet with thermostat	Valve opening tempor	erature	80 to 84 °C (176 to 183 °F)	
water infet with thermostat	Valve lift		8 mm (0.31 in.) or more at 95 °C (203 °F)	
Radiator cap	Relief valve opening pressure	Standard	93 to 123 kPa (0.95 to 1.25 kgf/cm ² , 13.5 to 17.8 psi)	
		Minimum	78 kPa (0.8 kgf/cm ² , 11.4 psi)	

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TORQUE SPECIFICATIONS

Part Tightened		N*m	kgf*cm	ft.*lbf
Cylinder block water drain cock plug x Cylinder block water dra	13	130	9	
Water pump assembly x Timing chain or belt cover sub-assembly	Bolt A	9.0	92	80 in.*lbf
	Bolt B	23	235	17
Idler pulley sub-assembly No. 2 x Timing chain or belt cover su	39	398	29	
Water inlet x Timing chain or belt cover sub-assembly	9.0	92	80 in.*lbf	
Fan shroud x Radiator	5.0	51	44 in.*lbf	
Fan x Fluid coupling		9.0	92	80 in.*lbf
Fan with fluid coupling x Water pump		21	214	15
Reserve tank x Radiator		5.0	51	44 in.*lbf
V-bank cover x Intake air surge tank		7.5	76	66 in.*lbf
Engine under cover sub-assembly No. 1 x Frame assembly		29	296	21
Water inlet with thermostat x Water inlet		9.0	92	80 in.*lbf
Radiator x Radiator support		21	184	44
Negative battery terminal		3.9	40	35 in.*lbf

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