

COOLING SYSTEM

Specifications

Engine coolant capacity		See page A-2
Radiator cap	Relief valve opening pressure STD Limit	74 – 103 kPa (0.75 – 1.05 kgf/cm ² , 10.7 – 14.9 psi) 59 kPa 0.6 kgf/cm ² 8.5 psi
Thermostat	Valve opening temperature Valve lift at 95°C (203°F)	80 – 84°C 176 –183°E 8 mm (0.31 in.) or more

Torque Specifications (4A-FE)

Part tightened	N·m	kgf-cm	ft-lbf
Engine block x Drain plug	34	350	25
Water pump x Cylinder block	15	150	11
Water inlet pipe x Water pump	20	200	14
Water inlet pipe x Cylinder block	13	130	9
Water inlet x Water inlet housing	9.3	95	82 in.-lbf

torque Specifications (3S-GTE and 5S-FE)

Part tightened	N-m	kgf-cm	ft-lbf
Engine block x Drain plug	25	250	18
Water pump x Water pump cover	3S-GTE 5S-FE	95 90	82 in.-lbf 78 in.-lbf
Water pump x Cylinder block	3S-GTE 5S-FE	80 95	69 in.-lbf 82 in.-lbf
Water by-pass pipe x Water pump cover	3S-GTE 5S-FE	120 95	9 82 in.-lbf
Idler pulley bracket x Cylinder block (3S-GTE)	19	195	14
Idler pulley bracket x Alternator bracket (3S-GTE)	19	195	14
Water inlet x Water pump	3S-GTE 5S-FE	80 95	69 in.-lbf 82 in.-lbf