COOLING SYSTEM

Specifications

Engine coolant capacity			See page A-2
Radiator cap	Relief valve opening pressure	STD	0.75 – 1.05 kg/cm^2 (10.7 – 14.9 psi, 74 – 103 kPa)
		Limit	0.6 kg/cm^2 (8.5 psi, 59 kPa)
Thermostat	Valve opening temperature		74 – 78°C 187 – 194°F
	Valve lift	at 90°C (194°F)	10 mm (0.39 in.) or more

Torque Specifications

Part tightened	kg-cm	ft-lb	N·m
Cylinder block × Drain plug	250	18	25
Water pump × Cylinder block	200	14	20
Alternator adjusting bar (water pump) × Cylinder block	400	29	39
Water pump pulley × Pulley seat	200	14	20
Water inlet × Water inlet housing	200	14	20

LUBRICATION SYSTEM

Specifications

Engine oil capacity			See page A-2	
Oil pressure		at idling	0.3 kg/cm^2 (4.3 psi, 29 kPa) or more	
		at 3,000 rpm	2.5 kg/cm^2 (36 psi, 245 kPa) or more	
Oil pump	Body clearance	STD	0.10 – 0.17 mm	0.0039 – 0.0067 in.
		Limit	0.20 mm	0.0079 in.
	Side clearance	STD	0.03 – 0.09 mm	0.0012 – 0.0035 in.
		Limit	0.15 mm	0.0059 in.
	Tip clearance	STD	0.08 – 0.16 mm	0.0031 – 0.0063 in.
		Limit	0.21 mm	0.0083 in.

Torque specifications

Part tightened	kg-cm	ft-lb	N·m
Engine oil drain plug	250	18	25
Relief valve plug × Timing gear case	425	31	42
Oil pump (timing gear case) × Cylinder block	200	14	20
Oil pump (timing gear case) × Injection pump	185	13	18
Oil strainer × Cylinder Block	90	78 in.-lb	8.8
Oil pan × Cylinder block (timing gear case, rear oil seal retainer)	100	7	10
Engine drain cock × Oil cooler cover	200	14	20
Check valve × Oil cooler cover	275	20	27
Oil cooler cover × Cylinder block	200	14	20
Oil dipstick guide × Intake manifold	200	14	20
Oil dipstick guide × Oil cooler cover	200	14	20
Oil nozzle check valve × Cylinder block	275	20	27