

SPECIFICATIONS 1GR-FE COOLING TORQUE SPECIFICATIONS

COOLANT

Part Tightened	N*m	kgf*cm	ft.*lbf
Cylinder block drain cock plug x Cylinder block drain cock	12.7	130	9

WATER PUMP

Part Tightened	N*m	kgf*cm	ft.*lbf	in.*lbf
Fan x Fluid coupling assembly	9.0	92		80
Engine water pump assembly x Timing chain cover sub-assembly	11	112	8	
for 10 mm head bolt	21	214	15	
for 12 mm head bolt	25	255	18	
Idler pulley assembly x V-ribbed belt tensioner assembly and Cylinder block sub-assembly	9.0	92		80
Water inlet housing x No. 1 water outlet pipe and engine water pump assembly				

THERMOSTAT

Part Tightened	N*m	kgf*cm	in.*lbf
Water inlet with thermostat x Water inlet housing	9.0	92	80

RADIATOR

Part Tightened	N*m	kgf*cm	ft.*lbf	in.*lbf
Radiator drain cock plug x Radiator assembly	2.0	20		18
Radiator side support plate RH x Upper radiator tank	13	133	10	
Radiator side support plate RH x Lower radiator tank	13	133	10	
Radiator side support plate LH x Upper radiator tank	13	133	10	
Radiator side support plate LH x Lower radiator tank	13	133	10	
Radiator assembly x Body	18	184	13	
Fan shroud x Radiator assembly	7.8	80		69
Radiator reservoir x Radiator assembly and fan shroud	7.8	80		69
Fluid coupling fan x Engine water pump assembly	21	214	15	
No. 2 engine under cover x Body	18	184	13	