

SPECIFICATIONS POWER ASSIST SYSTEMS TORQUE SPECIFICATIONS

Vane Pump (for 1GR-FE)

Part Tightened		N*m	kgf*cm	ft.*lbf	in.*lbf
Air cleaner cap sub-assembly with No. 1 air cleaner hose set bolt		8.0	82		71
Air cleaner case set bolt	A	18	184	13	
	B	11.3	115	8	
Wire harness bracket x Vane pump assembly		40	408	30	
Vane pump assembly set bolt		21	214	15	
Pressure feed tube assembly set union bolt		50	510	37	
Pressure port union x Vane pump front housing		69	704	51	
Power steering suction port union set bolt		12	122	9	
Vane pump front housing x Vane pump rear housing		22	224	16	

Vane Pump (for 1VD-FTV)

Part Tightened		N*m	kgf*cm	ft.*lbf	in.*lbf
Intake air connector assembly set bolt		21	214	15	
Air cleaner case sub-assembly		18	184	13	
Radiator reserve tank assembly		7.8	80		69
Pressure feed tube assembly set union bolt		50	510	37	
Vane pump assembly set nut		29	296	21	
Pressure port union x Front vane pump housing		69	704	51	
Power steering suction port union set bolt		12	122	9	
Front vane pump housing x Rear vane pump housing		22	224	16	

Vane Pump (for 1HZ)

Part Tightened		N*m	kgf*cm	ft.*lbf
Pressure feed tube assembly set union bolt		50	510	37
Vane pump assembly set nut		29	296	21
Pressure port union x Front vane pump housing		69	704	51
Power steering suction port union set bolt		12	122	9
Front vane pump housing x Rear vane pump housing		22	224	16