

## TORQUE SPECIFICATION

Part tightened		N-m	kgf-cm	ft-lbf
Injection pump x Timing belt case		20.5	210	15
Injection pump x Injection pump stay		18	185	13
Injection pipe x Injection pump		24.5	250	18
Plug bolt x Distributive head plug on injection pump		17	170	12
Intake flange x Intake manifold		12	120	9
No.2 idler pulley x Cylinder block		44	450	33
Injection pump drive pulley x Injection pump		64	650	47
Camshaft timing pulley x Camshaft		98	1,000	72
No.1 idler pulley x Cylinder block	12 mm head	19	195	14
	14 mm head	44	450	33
Cylinder head x Cylinder block	1st	78	800	58
	2nd	Turn 90°	Turn 90°	Turn 90°
	3rd	Turn 90°	Turn 90°	Turn 90°
Cylinder head cover x Cylinder head		12	120	9
No.2 cylinder head cover x Cylinder head cover		12	120	9
Exhaust manifold x Cylinder head		52	530	38
Exhaust manifold heat insulator x Exhaust manifold		12	120	9
Exhaust manifold heat insulator x Oil filter bracket		19	195	14
Intake manifold x Cylinder head		24	240	17
Engine hanger x Cylinder head	LH	59	600	43
	RH (Reference)	37	380	27

Water outlet housing x Cylinder head		19	195	14
No.2 timing belt cover x Cylinder head		18	185	13
Glow plug x Cylinder head		13	130	9
Camshaft oil seal retainer x Cylinder head		18	185	13
Camshaft bearing cap x Cylinder head		25	255	18
Crankshaft pulley x Crankshaft		235	2,400	173
Main bearing cap x Cylinder block		103	1,050	76
Connecting rod cap x Connecting rod	1st	54	550	40
	2nd	Turn 90°	Turn 90°	Turn 90°
Rear oil seal retainer x Cylinder block		13	130	9
Union for alternator hose x Cylinder		32	330	24
Fan belt adjusting bar x Cylinder block		45	460	33
Engine mounting bracket x Cylinder block		39	400	29
Alternator bracket x Cylinder block		39	400	29
Rear end plate x Cylinder block		12	120	9
Flywheel x Crankshaft M/T		123	1,250	90
Drive plate x Crankshaft A/T		98	1,000	72