SS16K–01

TORQUE SPECIFICATION

Part tightened		N·m	kgf·cm	ft·lbf
Intake pipe x Intake manifold		12	120	9
Injection pump x Timing gear case		21	210	15
No.1 camshaft timing pulley x Camshaft		98	1,000	72
No.2 camshaft timing pulley x Injection pump drive gear		13	130	9
Idler pulley bolt x Timing gear case		35	350	25
Timing belt tensioner x Timing gear case		13	130	9
Injection pump drive gear x Injection pump		64	650	47
Idler gear x Timing gear case		19	195	14
Timing gear cover x Timing gear case		13	130	9
Crankshaft pulley x Crankshaft		363	3,700	268
Camshaft oil seal retainer x Cylinder head		9	90	78
Camshaft bearing cap x Cylinder head		18	185	13
Cylinder head x Cylinder block	1st 2nd 3rd	39 Turn 90° Turn 90°	400	29
Injection nozzle x Cylinder head		54	540	40
Nozzle leakage pipe x Injection nozzle		30	300	22
Water outlet x Cylinder head		16	165	12
Intake manifold x Cylinder head		20	200	14
Oil dipstick guide x Cylinder head		20	200	14
Injection pipe x Injection nozzle		15	150	11
Injection pipe x Injection pump		15	150	11
Oil nozzle x Cylinder block		25	260	19
Main bearing cap x Cylinder block	1st 2nd	49 Turn 90°	500	36
Connection rod cap x Connecting rod	1st 2nd	29 Turn 90°	300	22
Rear oil seal retainer x Cylinder block		13	130	9
Balance shaft x Cylinder block		32	320	23
Balance shaft x Cylinder block		8	85	74 in.·lbf
Rear end plate x Cylinder block		8	85	74 in.·lbf
Flywheel x Crankshaft		145	1,480	107
Accelerator cable bracket x Cylinder head		20	204	15
Front engine hanger x Cylinder head		47	460	34
LH engine mounting bracket x Cylinder block		68	693	50
RH engine mounting bracket x Cylinder block		68	693	50