SS0ZF–04

TORQUE SPECIFICATION

Part tightened		N·m	kgf·cm	ft·lbf
Intercooler x Bracket	w/ Intercooler	12	120	9
Intake air connector x Inter cooler	w/ Intercooler	10	100	7
EGR pipe x Exhaust manifold	w/ EGR	19	190	14
EGR valve x Intake manifold	w/ EGR	20	200	15
Exhaust manifold x Cylinder head		52	530	38
Cylinder head cover x Cylinder head		9	90	80 in.·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	10
Idler pulley bolt x Timing gear case		35	350	26
Timing belt tensioner x Timing gear case		13	130	10
Injection pump drive gear x Injection pump		64	650	47
Camshaft oil seal retainer x Cylinder head		9	90	80 in.·lbf
Camshaft bearing cap x Cylinder head		18	185	13
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		29	290	21
Oil dipstick guide x Cylinder head		20	200	15
Injection pipe x Injection nozzle		15	150	11
Injection pipe x Injection pump		15	150	11
Main bearing cap x Cylinder block	1st 2nd	49 Turn 90°	500 Turn 90°	36 Turn 90°
Connection rod cap x Connecting rod	1st 2nd	29.5 Turn 90°	300 Turn 90°	22 Turn 90°
Front engine hanger x Cylinder head		47	460	35