0316F–02

TORQUE SPECIFICATION

3RZ–FE:

Part Tightened	N·m	kgf·cm	ft·lbf
Water pump assy x Cylinder block sub–assy	25	255	18
Water pump assy x Timing gear case sub–assy	8.9	90	78 in.·lbf
Fan shroud x Radiator assy	5.0	51	44 in.·lbf
Generator assy x Generator bracket No. 1	59	600	43
Generator assy x Fan belt adjusting bar	29	300	21
Fluid coupling assy x Water pump assy	21	210	15
Engine under cover sub–assy No. 1 x Frame assy	29	296	21
Water inlet x Timing gear case sub–assy	20	200	14
Water drain cock plug x Water drain cock sub–assy	13	129	9
Radiator x Radiator support	18	184	13
Fan shroud x Radiator	5.0	51	44 in.·lbf

5L–E:

Part Tightened	N·m	kgf·cm	ft·lbf
Engine drain plug x Cylinder block	13	139	9
Water pump x Cylinder block	23	230	17
Water outlet x Cylinder block	19	195	14
Radiator x Radiator support	18	184	13
Fan shroud x Radiator	5.0	51	44 in.·lbf

1KZ–TE:

Part Tightened	N·m	kgf·cm	ft·lbf
Water pump assy x Cylinder block	13	130	9
Generator bracket No. 1 x Cylinder block	21	210	15
Camshaft oil seal retainer	10	102	7
Camshaft timing pulley x Camshaft	98	1,000	72
Cylinder head cover sub–assy x Cylinder head	9	92	80 in.·lbf
Water inlet x Cylinder block	13	133	10
Oil level gage guide x Water inlet	8	82	71 in.·lbf
Wire harness clamp x Water inlet	12	130	9
Oil cooler tube clamp No. 3 x Water inlet	12	130	9
Engine under cover sub–assy No. 1 x Body	29	300	21
Radiator x Radiator support	18	184	13
Fan shroud x Radiator	5.0	51	44 in.·lbf

1KD–FTV:

Part Tightened	N·m	kgf·cm	ft·lbf
Radiator x Radiator support	18	184	13
Fan shroud x Radiator	5.0	51	44 in.·lbf
Water pump assy x Cylinder block	13	133	10
Compressor mounting bracket No. 1 x Cylinder block	21	214	16
Compressor mounting bracket No. 1 x Idle pulley assy	45	459	33
Compressor mounting bracket No. 1 x Cooler compressor assy	25	250	18
Timing belt No. 1 cover x Timing belt No. 2 cover	6.0	61	53 in.·lbf
Water hose clamp x Cylinder head	18	184	13
Intercooler protector x Intercooler assy	6.0	61	53 in.·lbf
Fan shroud x Radiator assy	5.0	51	44 in.·lbf
Fan w/ fluid coupling x Water pump assy	18	184	13
Radiator reserve tank x Radiator assy and fanshroud	5.0	51	44 in.·lbf
Engine under cover assy rear x Frame assy	29	296	21
Engine under cover assy sub–assy No. 1 x Frame assy	29	296	21

Part Tightened	N·m	kgf·cm	ft·lbf
Water inlet x Cylinder block	13	133	9.6
Oil cooler tube clamp x Water inlet	12	122	8.9
Wire harness x Water inlet	8.0	82	71 in.·lbf
Oil level gage guide x Water inlet	8.0	82	71 in.·lbf