

TORQUE SPECIFICATION

Part tightened	N·m	kgf·cm	ft·lbf
No.1 idler pulley x Oil pump	35	350	26
No.2 idler pulley x No.2 idler pulley bracket	40	400	30
No.1 timing belt cover x Oil pump	9	90	80 in.·lbf
Crankshaft pulley x Crankshaft	250	2,500	184
Camshaft timing pulley x Camshaft	295	3,000	217
Timing belt tensioner x Oil pump	27	280	20
No.2 timing belt cover x No.3 timing belt cover	9	90	80 in.·lbf
Oil dipstick guide x Generator bracket	8	80	71 in.·lbf
Fluid coupling x Fan bracket	5.4	54	48 in.·lbf
A/C compressor bracket x Cylinder block	47	479	35
A/C compressor x A/C compressor bracket	25	250	18
PS pump x PS pump bracket	43	440	31
Camshaft bearing cap x Cylinder head	16	160	12
Rear plate x Cylinder head	8	80	71 in.·lbf
Cylinder head x Cylinder block	12 pointed head 1st	34	350
	2nd	Turn 90°	Turn 90°
	3rd	Turn 90°	Turn 90°
	Recessed head	18	185
Cylinder head cover x Cylinder head	6	60	53 in.·lbf
Exhaust manifold x Cylinder head	40	400	30
Exhaust manifold heat insulator x Exhaust manifold	8	80	71 in.·lbf
Exhaust crossover pipe x Exhaust manifold	45	450	33
Generator bracket x LH cylinder head	18.5	185	14
PS pump bracket x RH cylinder head	18.5	185	14
Intake manifold, Intake manifold stay x Cylinder head	18	180	13
No.3 timing belt cover x Cylinder head	9	90	80 in.·lbf
Camshaft position sensor x RH cylinder head	8	80	71 in.·lbf
Intake air connector x Intake manifold	18	180	13
Air intake chamber x Intake air connector	18	180	13
Air intake chamber stay x LH cylinder head, Air intake chamber	40	400	30
Engine hanger No.2 x RH cylinder head	40	400	30
Frame crossmember x Engine rear mounting bracket	58	590	43
Engine rear mounting bracket x Engine rear mounting insulator	18	183	13
Engine front mounting insulator x Frame	38	387	28
Connecting rod cap x Connecting rod	1st	25	250
	2nd	Turn 90°	Turn 90°
Main bearing cap x Cylinder block	1st	61	625
	2nd	Turn 90°	Turn 90°
Rear oil seal retainer x Cylinder block	8	80	71 in.·lbf
Engine coolant drain cock x Cylinder block	39	400	29
Engine mounting bracket x Cylinder block	44	440	32
Oil filter union x Cylinder block	25	250	18
Oil pressure switch x Cylinder block	15	150	11
Generator adjusting bar x Cylinder block	42	420	31

SERVICE SPECIFICATIONS – ENGINE MECHANICAL (5VZ-FE)

No.2 idler pulley bracket x Cylinder block	38	380	28
Water bypass pipe x Cylinder block	8.5	85	75 in.·lbf
Rear end plate x Cylinder block	7.5	75	66 in.·lbf
Drive plate x Crankshaft	83	850	61
Flywheel x Crankshaft	85	850	63
No.1 exhaust pipe with TWC x Crossover pipe (2WD, 4WD)	62	630	46
No.1 exhaust pipe with TWC x No.2 exhaust pipe with TWC (2WD, 4WD)	48	490	35
No.2 exhaust pipe with TWC x Tail pipe (2WD, 4WD)	48	490	35
A/F sensor (bank 1 sensor 1) x No.1 exhaust pipe with TWC (2WD, 4WD)	20	200	14
Heated oxygen sensor (bank 1 sensor 2) x Tail pipe	20	200	14