

# TORQUE SPECIFICATION

Part tightened		N·m	kgf·cm	ft·lbf
Cylinder head cover x Cylinder head		8.3	85	74 in.·lbf
Timing belt plate x Oil pump		7.8	80	69 in.·lbf
Idler pulley x Oil pump		34	350	25
Crankshaft pulley x Crankshaft		324	3,300	239
Camshaft timing pulley x Camshaft		79	810	59
Timing belt tensioner x Oil pump		26	270	20
Drive belt tensioner x Cylinder head		21	210	15
PS pump front bracket x PS pump bracket		58	590	43
PS pump front bracket x A/C compressor		52	530	38
PS pump pulley x PS vane pump		43	440	32
Upper radiator support x Body	Bolt	12	120	9
Fluid coupling x Water pump		16	165	12
Camshaft bearing cap x Cylinder head		20	200	14
EGR cooler x Cylinder head		8.8	90	78 in.·lbf
ECT sensor x Cylinder head		25	250	18
ECT sender gauge x Cylinder head		15	150	11
Engine hanger x Cylinder head		39	400	29
Cylinder head x Cylinder block	1st 2nd 3rd	34 Turn 90° Turn 90°	350 Turn 90° Turn 90°	25 Turn 90° Turn 90°
No.4 timing belt cover x Cylinder head		8.8	90	78 in.·lbf
Intake manifold x Cylinder head		27	280	20
Fuel inlet pipe x Delivery pipe		42	420	30
Intake manifold stay x Intake manifold		39	400	29
Intake manifold stay x Cylinder block		39	400	29
Water outlet x Cylinder head		21	210	15
Vacuum control valve set x Intake manifold		21	210	15
No.2 vacuum pipe x Air intake chamber		21	210	15
No.2 vacuum pipe x Intake manifold		21	210	15
Air intake chamber x Intake manifold		27	280	20
Air intake chamber stay x Air intake chamber		18	185	13
Air intake chamber Cylinder head		18	185	13
PS pump rear stay x PS pump bracket		39	400	29
PS pump rear stay x Intake manifold stay		39	400	29
PS vane pump x PS pump bracket		58	590	43
Exhaust manifold x Cylinder head		39	400	29
Connecting rod cap x Connecting rod	1st 2nd	29 Turn 90°	300 Turn 90°	25 Turn 90°
Main bearing cap x Cylinder block	1st 2nd	44 Turn 90°	450 Turn 90°	33 Turn 90°
Rear oil seal retainer x Cylinder block		5.9	60	52 in.·lbf
Oil filter bracket x Cylinder block		88	900	65
Engine mounting bracket x Cylinder block		58	590	43
Union nut x Cylinder block		55	550	41

Part tightened	N-m	kgf-cm	ft-lbf
Oil pressure switch x Union nut	14	150	11
Knock sensor x Cylinder block	44	450	33
Fuel pipe support x Cylinder block	28	290	21
No.2 water bypass pipe x Water pump	21	210	15
No.2 water bypass pipe x Cylinder block	21	210	15
Generator x Water pump	37	380	27
Generator x Cylinder block	37	380	27
Flywheel x Crankshaft	49	500	36
	1st 2nd Turn 90°	Turn 90°	Turn 90°
Drive plate x Crankshaft	83	850	61
Rear support member x Body	25	260	19
Rear support member x Engine rear mounting insulator	13	135	10
Front suspension crossmember x Engine mounting insulator	59	600	43
Transmission control rod x Shift lever	13	130	9
Intermediate shaft x Propeller shaft	74	750	54
Intermediate shaft x Body	49	500	36
A/C compressor x Cylinder block	Stud bolt Bolt and nut	265 530	19 38
PS pump bracket x A/C compressor	58	590	43
PS pump bracket x Cylinder block	39	400	29
Fuel inlet hose x Fuel pipe support	29	300	22
No.2 front exhaust pipe x Exhaust manifold	62	630	46
Pipe support bracket x transmission	43	440	32
No.2 front exhaust pipe x Exhaust pipe	43	440	32
Heated oxygen sensor (Bank 1 sensor 2) x Front exhaust pipe	20	200	14
Center exhaust pipe x Tail pipe	19	195	14