

# TORQUE SPECIFICATION

Part tightened		N·m	kgf·cm	ft·lbf
Cylinder head cover x Cylinder head		5.4	55	48 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
PS pump front bracket (2JZ-GE) x PS vane pump		58	590	43
PS pump front bracket (2JZ-GE) x A/C compressor		52	530	38
PS pump pulley x PS vane pump		43	430	32
Drive belt tensioner x Cylinder head		21	210	15
Drive belt tensioner damper (M/T) x Tensioner arm		20	200	14
Drive belt tensioner damper (M/T) x Tensioner bracket		20	200	14
EGR cooler x Cylinder head		8.8	90	78 in.·lbf
Engine hanger x Cylinder head		39	400	29
Camshaft position sensor x Cylinder head		8.8	90	78 in.·lbf
Cylinder head x Cylinder block	1st	34	350	25
	2nd	Turn 90°	Turn 90°	Turn 90°
	3rd	Turn 90°	Turn 90°	Turn 90°
Camshaft bearing cap x Cylinder head		20	200	14
No.4 timing belt cover x Cylinder head		7.8	80	69 in.·lbf
Intake manifold x Cylinder head		27	280	20
Fuel input pipe x Delivery pipe		42	420	30
Intake manifold stay x Intake manifold, Cylinder block		39	400	29
Water outlet x Cylinder head		21	210	15
Air intake chamber x Intake manifold		27	280	20
PS pump rear stay x PS pump bracket		39	400	29
PS vane pump x PS pump bracket		58	590	43
Exhaust manifold x Cylinder head		39	400	29
Pressure tank x Intake manifold		21	210	15
Main bearing cap x Cylinder block	1st	44	450	33
	2nd	Turn 90°	Turn 90°	Turn 90°
Connecting rod cap x Connecting rod	1st	29	300	22
	2nd	Turn 90°	Turn 90°	Turn 90°
Oil nozzle x Cylinder block		8.8	90	78 in.·lbf
Rear oil seal retainer x Cylinder block		5.9	60	52 in.·lbf
Crankshaft position sensor x Cylinder block		8.8	90	78 in.·lbf
Engine mounting bracket x Cylinder block		58	590	43
Engine coolant drain plug x Cylinder block		29	300	22
Union for oil cooler x Cylinder block		39	400	29
Union nut x Cylinder block		55	550	41
Oil pressure switch x Cylinder block		14	150	11
Knock sensor x Cylinder block		44	450	33
Fuel pipe support x Cylinder block		28	290	21
Oil filter bracket x Cylinder block		88	900	65

## SERVICE SPECIFICATIONS – ENGINE MECHANICAL (2JZ-GTE)

No.2 water bypass pipe x Water pump, Cylinder block		21	210	15
Flywheel (M/T) x Crankshaft	1st	49	500	36
	2nd	Turn 90°	Turn 90°	Turn 90°
Drive plate (A/T) x Crankshaft		83	850	61
Clutch cover x Flywheel	M/T	19	195	14
Cylinder block x Transmission	14 mm head	39	400	29
	17 mm head	72	730	43
Clutch service hole cover x Clutch housing	2JZ-GTE M/T	12	120	9
Drive plate x Torque converter clutch	A/T	33	340	25
Oil cooler tube x Union for transmission	A/T	34	350	25
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 shift lever x Shift lever retainer	M/T	19	195	14
Transmission control rod x Shift lever	A/T	13	130	9
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 Front exhaust pipe		58	590	43
Clutch release cylinder x Transmission	M/T	13	130	9
Clutch line tube (M/T) x No.1 oil pan		37	380	27
Ground strap (M/T) x Transmission		37	380	27
A/C compressor x Cylinder block	Stud bolt	26	265	19
	Bolt and nut	52	530	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
Rear center floor crossmember brace x Body		28	290	21
Front exhaust pipe x Center exhaust pipe		58	590	43
Center exhaust pipe x Tailpipe		19	195	14
Heated oxygen sensor x Front exhaust pipe		20	200	14