

## TORQUE SPECIFICATION

Part tightened		N·m	kgf·cm	ft·lbf
Plug x Timing chain cover		15	150	11
Chain vibration damper x Cylinder block		9.0	92	80 in .lbf
Chain tensioner		9.0	92	80 in .lbf
Timing chain cover	Bolt A	11	112	8
	Bolt B	24	245	18
	Bolt C	11	112	8
	Bolt D	24	245	18
	Bolt E	11	112	8
	Nut F	24	245	18
	Nut G	11	112	8
RH engine mounting bracket x Timing chain cover		55	561	41
Crankshaft position sensor x Timing chain cover	Bolt A	7.5	76	66 in .lbf
	Bolt B	11	112	8
Oil control valve		8.0	82	71 in .lbf
Crankshaft pulley x Crankshaft		128	1,300	94
Cylinder head cover x Cylinder		10	100	7
RH engine mounting insulator	Bolt A	45	459	33
	Bolt B	52	530	38
	Nut	52	530	38
Cylinder head x Cylinder block	1st	29.4	300	22
	2nd	Turn 90°	Turn 90°	Turn 90°
	3rd	Turn 90°	Turn 90°	Turn 90°
Water bypass pipe x Cylinder head		9.0	92	80 in .lbf
No. 1 camshaft bearing cap x Cylinder head		23	235	17
No. 2 camshaft bearing cap x Cylinder head		12.7	130	10
Camshaft timing sprocket x Camshaft		64	650	47
Valve timing controller assembly x Camshaft		64	650	47
Intake manifold x Cylinder head		30	300	22
Exhaust manifold x Cylinder head		27	275	20
Upper heat insulator x Exhaust manifold		8.0	82	71 in .lbf
Exhaust manifold stay x Cylinder block		37	377	27
Front exhaust pipe x Exhaust manifold		62	630	46
Water filler x Cylinder head		7.5	76	66 in .lbf
Engine hanger x Cylinder head		38	388	28
LH engine mounting		49	500	36
Rear engine mounting bracket		49	500	36
Front exhaust pipe x Tailpipe	Bolt A	62	630	46
	Bolt B	32	330	24
Clutch release cylinder x Transaxle		12	120	9
Clutch release cylinder bracket x Transaxle		4.9	50	43 in. lbf
A/C compressor x Engine		25	250	18
Air cleaner case		7.5	76	66 in. lbf
Air cleaner inlet assembly		7.5	76	66 in. lbf
Connecting rod cap x Connecting rod	1st	15	150	11
	2nd	Turn 90°	Turn 90°	Turn 90°

## SERVICE SPECIFICATIONS - ENGINE MECHANICAL

Bearing cap x Cylinder block	1st 2nd	22 Turn 90°	220 Turn 90°	16 Turn 90°
Oil pan No. 1 x Cylinder block		24	245	18
Oil strainer x Oil pan No. 1		11	112	8
Oil pan No. 2 x Oil pan No. 1		9.0	92	80 in.·lbf
Oil filter union x Oil pan No. 1		30	306	21
Engine coolant drain union x Cylinder block		35	350	25
Knock sensor x Cylinder block		39	400	29
Water bypass pipe x Cylinder block		9.0	90	80 in.·lbf
Flywheel x Crankshaft	1st 2nd	49 Turn 90°	500 Turn 90°	36 Turn 90°
Drive plate x Crank shaft		88	890	65