030F5–02

TORQUE SPECIFICATION

Part Tightened		N·m	kgf·cm	ft·lbf
Balance shaft housing x Stiffening crankcase assy	1st	22	220	16
	2nd	Turn 90°	Turn 90°	Turn 90°
Stiffening crankcase assy x Cylinder block		33	332	24
w/ head taper screw plug No. 1 x Cylinder block		26	265	19
Oil control valve filter x Cylinder block		30	306	22
Cylinder block water drain cock x Stiffening crankcase assy		25	255	18
Cylinder head x Cylinder block	1st	79	806	58
	2nd	Turn 90°	Turn 90°	Turn 90°
Camshaft timing control valve assy x Cylinder head		9.0	92	80 in.·lbf
Camshaft timing gear assy x Camshaft		54	551	40
Camshaft timing sprocket x Camshaft		54	551	40
Camshaft bearing cap No. 1 x Cylinder head		30	301	22
Camshaft bearing cap No. 2 x Cylinder head		30	301	22
Camshaft bearing cap No. 3 x Cylinder head		9.0	92	80 in.·lbf
Oil pump assy x Stiffening crankcase assy		19	194	14
Chain tensioner plate x Stiffening crankcase assy		12	122	9
Oil pump drive sprocket x Oil pump		30	301	22
Chain vibration damper No. 1 x Cylinder head		9.0	92	80 in.·lbf
Chain vibration damper No. 1 x Cylinder block		9.0	92	80 in.·lbf
Chain tensioner slipper x Cylinder block		19	194	14
Timing chain guide x Crankshaft bearing cap No. 1		9.0	92	80 in.·lbf
Timing chain cover (See page 14–1)	Bolt A	9.0	92	80 in.·lbf
	Bolt B	21	214	15
	Bolt C	43	438	32
	Nut	9.0	92	80 in.·lbf
Oil pan x Stiffening crankcase assy		9.0	92	80 in.·lbf
Oil pan drain plug x Oil pan		25	250	18
Water pump assy x Cylinder block		9.0	92	80 in.·lbf
Water pump pulley x Water pump assy		26	265	19
Crank position sensor x Timing chain cover		9.0	92	80 in.·lbf
Crankshaft pulley x Crankshaft		170	1,733	125
Chain tensioner assy No. 1 x Timing chain cover		9.0	92	80 in.·lbf
Camshaft position sensor x Cylinder head		9.0	92	80 in.·lbf
Cylinder head cover x Cylinder head		11	110	8
Oil filter union (w/o Oil cooler) x Stiffening crankcase assy		30	306	22
Oil filter union bolt (w/ Oil cooler) x Stiffening crankcase assy		78.5	800	58
Oil filter flange nut (w/ Oil cooler) x Stiffening crankcase assy		9.0	92	80 in.·lbf
Spark plug x Cylinder head		19	194	14
Ventilation valve x Cylinder head cover		19	194	14
Stud bolt (See page 14–34)	Bolt A	5	51	44 in.·lbf
	Bolt B	5	51	44 in.·lbf
	Bolt C	10	97	84 in.·lbf
	Bolt D	10	97	84 in.·lbf
Connecting rod cap x Connecting rod	1st	25	250	18
	2nd	Turn 90°	Turn 90°	Turn 90°
Crankshaft bearing cap x Cylinder block	1st	20	204	15
	2nd	40	408	29
Stud bolt (See page 14–46)	Stud bolt A	5.0	51	44 in.·lbf
	Stud bolt B	10	97	84 in.·lbf
	Stud bolt C	5.0	51	44 in.·lbf