0316O–02

TORQUE SPECIFICATION

Part Tightened		N·m	kgf·cm	ft·lbf
Camshaft sub gear x No. 2 camshaft		5.0	51	44 in.·lbf
Engine rear oil seal retainer x Cylinder block sub–assy		14	135	10
Chain vibration damper No. 4 x Cylinder block sub–assy		18	185	13
Balanceshaft drive gear sub–assy x No. 1 Balanceshaft		25	250	18
Chain tensioner No. 2 x Cylinder block sub–assy		18	185	13
Chain vibration damper No. 3 x Cylinder block sub–assy		18	185	13
Chain vibration damper No. 2 x Cylinder block sub–assy		27	270	20
Chain vibration damper No. 1 x Cylinder block sub–assy		29	300	22
Chain tensioner slipper x Cylinder block sub–assy		27	270	20
Timing gear case sub–assy x Cylinder block sub–assy (See page 14–4)	Bolt A Bolt B Bolt C Nut D Bolt E	20 25 44 20 18	200 250 440 200 185	14 18 32 14 13
Oil strainer sub–assy x Timing gear case sub–assy		18	185	13
Oil strainer sub–assy x Cylinder block sub–assy		18	185	13
Oil pan sub–assy x Timing gear case sub–assy		13	130	9
Oil pan sub–assy x Cylinder block sub–assy		13	130	9
Crankshaft pulley x Crankshaft		260	2,650	193
Cylinder head sub–assy x Cylinder block sub–assy	1st 2nd 3rd	39 Turn 90° Turn 90°	400 Turn 90° Turn 90°	29 Turn 90° Turn 90°
Cylinder head sub–assy x Timing gear case sub–assy		21	210	15
No. 2 camshaft (camshaft bearing cap) x Cylinder head sub–assy		16	160	12
Camshaft (camshaft bearing cap) x Cylinder head sub–assy		16	160	12
Camshaft timing gear x Camshaft		74	750	54
Chain tensioner No. 1 x Cylinder head sub–assy		21	210	15
Cylinder head cover sub–assy x Cylinder head sub–assy		5.5	55	48 in.·lbf
Spark plug x Cylinder head sub–assy		19	200	14
Ventilation valve sub–assy x Cylinder head cover sub–assy		27	270	20
Crankshaft position sensor x Timing gear case sub–assy		8.5	85	75 in.·lbf
Camshaft position sensor x Cylinder head sub–assy (Unleaded gasoline)		5.5	55	48 in.·lbf
W/ Head taper screw plug No. 1 x Cylinder block sub–assy (w/ oil cooler)		25	250	18
Union x Cylinder block sub–assy (w/ oil cooler)		25	250	18
Cylinder block water drain cock sub–assy x Cylinder block sub–assy		25	250	18
Oil filter union x Cylinder block sub–assy		25	250	18
Oil filter bracket sub–assy x Cylinder block sub–assy		28	290	21
Oil cooler assy x Oil filter bracket sub–assy (w/ oil cooler)	Relief valve M6	28 7.8	290 80	21 69 in.·lbf
Stud bolt x Cylinder head sub–assy (See page 14–33)	Stud bolt A Stud bolt B and C	15 7.5	150 75	11 65 in.·lbf
W/ Head taper screw plug No. 1 x Cylinder head sub–assy		83	850	62
Stud bolt x Cylinder block sub–assy		7.5	75	65 in.·lbf
Balanceshaft driven gear No. 2 x No. 2 balanceshaft		36	365	26
No. 2 balanceshaft x Cylinder block sub–assy		18	185	13
Balanceshaft driven gear No. 1 x No. 1 balanceshaft		36	365	26
No. 1 balanceshaft x Cylinder block sub–assy		18	185	13
Crankshaft (crankshaft bearing cap) x Cylinder block sub–assy	1st 2nd	39 Turn 90°	400 Turn 90°	29 Turn 90°
Connecting rod sub–assy x Connecting rod cap	1st 2nd	45 Turn 90°	460 Turn 90°	33 Turn 90°