0321F–01

TORQUE SPECIFICATION

Part Tightened		N·m	kgf·cm	ft·lbf
Ventilation valve sub–assy x Cylinder head cover sub–assy		27	275	20
Spark plug x Cylinder head assy		25	255	18
Cylinder head cover x Cylinder head assy		8.0	82	71 in.·lbf
Oil level gage guide x Cylinder block assy		8.0	82	71 in.·lbf
VVT sensor x Cylinder head assy		8.0	82	71 in.·lbf
Camshaft timing oil control valve assy x Cylinder head assy		8.0	82	71 in.·lbf
Timing belt tensioner assy x Oil pump assy		27	275	20
Timing belt No. 2 cover x Timing belt No. 3 cover		9.0	92	80 in.·lbf
Timing belt No. 1 cover x OIl pump assy		9.0	92	80 in.·lbf
Crankshaft pulley x Crankshaft		220	2,243	162
Timing belt plate x Oil pump assy		8.0	82	71 in.·lbf
Water pump assy x Cylinder block assy		8.0	82	71 in.·lbf
Timing belt idler bracket x Cylinder block assy		28	286	21
Timing belt No. 3 cover x Cylinder head assy		9.0	92	80 in.·lbf
Timing belt idler sub–assy No. 2 x Timing belt idler bracket		43	438	32
Timing belt idler sub–assy No. 1 x Cylinder block assy		34	347	25
Crank position sensor x Oil pump assy		8.0	82	71 in.·lbf
Camshaft timing pulley x Camshaft		125	1,275	92
Cylinder head assy x Cylinder block assy	12 pointed head 1st	54	551	40
	2nd	Turn 90°	Turn 90°	Turn 90°
	Recessed head	19	189	14
Camshaft timing gear assy (VVT–i) x Camshaft		150	1,530	111
Camshaft bearing cap x Cylinder head assy		16	163	12
Oil control valve filter x Cylinder head assy		45	459	33
Cylinder head cover rear x Cylinder head assy		10	102	7
Engine hanger No. 2 x Cylinder head LH		20	204	15
Engine rear oil seal retainer x Cylinder block		8.0	82	71 in.·lbf
Oil pump assy x Cylinder block assy (see page 14–7)	for bolt A	8.0	82	71 in.·lbf
	for bolt B	20	199	14
	for bolt C	43	438	32
Oil pan sub–assy x Cylinder block (see page 14–7)	10 mm head	8.0	82	71 in.·lbf
	12 mm head	20	199	14
Oil strainer sub–assy x Oil pan sub–assy		8.0	82	71 in.·lbf
Oil pan sub–assy No. 2 x Oil pan sub–assy		8.0	82	71 in.·lbf
Oil pan drain plug x Oil pan sub–assy No. 2		45	459	33
Water inlet housing x Cylinder block		8.0	82	71 in.·lbf
Oil filter union x Cylinder block assy		30	306	22
Camshaft sub–gear x Main gear		5.0	51	44 in.·lbf
Engine mounting bracket RH x Cylinder block		28	286	21
W/head straight screw plug No. 1 x Cylinder head assy		44	449	32
W/head straight screw plug No. 2 x Cylinder head assy		44	449	32
Oil pan baffle plate x Oil pan sub–assy		8.0	82	71 in.·lbf
Connecting rod cap x Connecting rod	1st	25	255	18
	2nd	Turn 90°	Turn 90°	Turn 90°
Cylinder block water drain cock sub–assy x Cylinder block		39	398	29
Cylinder block w/head straight screw No. 1 plug x Cylinder block		30	306	22
Cylinder block w/head straight screw No. 2 plug x Cylinder block		30	306	22
Cylinder block w/head straight screw No. 3 plug x Cylinder block		50	510	37
Water seal plate x Cylinder block		18	184	13

Part Tightened		N·m	kgf·cm	ft·lbf
Crankshaft bearing cap x Cylinder block assy	12 pointed head 1st	22	224	16
	2nd	Turn 90°	Turn 90°	Turn 90°
	6 pointed head	27	275	20
Bearing cap bolt x Crankshaft berating cap		27	275	20