

TORQUE SPECIFICATION

Part Tightened		N·m	kgf·cm	ft·lbf
Engine hanger No. 2 x Cylinder head		20	199	14
Knock control sensor x Cylinder block		39	398	29
Oil pressure switch assy x Cylinder block		15	152	11
Compressor mounting bracket No.1 x Cylinder block		25	255	18
Generator bracket No.1 x Cylinder block		58	591	43
Pump bracket x Cylinder head		32	326	24
Drive shaft bearing bracket x Cylinder block		64	653	47
Exhaust manifold LH x Cylinder head		49	500	36
Exhaust manifold RH x Cylinder head		49	500	36
Ignition coil assy x Cylinder head cover		8.0	82	71 in.·lbf
Surge tank stay No.1 x Cylinder head		20	199	14
Surge tank stay No.1 x Intake air surge tank		20	199	14
Engine hanger No. 1 x Cylinder head		20	199	14
Engine hanger No. 1 x Intake air surge tank		20	199	14
Manifold stay No. 2 x Exhaust manifold LH		34	347	25
Manifold stay No. 2 x Automatic transaxle assy		34	347	25
Engine mounting insulator RH x Engine mounting bracket		95	969	70
Engine mounting insulator LH x Automatic transaxle assy		95	969	70
Engine mounting insulator FR x Automatic transaxle assy		87	887	64
Vane pump assy x Pump bracket		43	439	32
Vane pump assy x Engine mounting bracket		43	439	32
Frame side rail plate sub-assembly x Front frame assy (See page 14-20)	Bolt A	85	867	63
	Bolt B	32	326	24
	Nut	32	326	24
Front suspension member brace rear x Front frame assy (See page 14-20)	Bolt C	85	867	63
	Bolt D	32	326	24
	Nut	32	326	24
Compressor and magnetic clutch x Compressor mounting bracket No.1 (See page 14-20)	Bolt	25	250	18
	Nut	26	260	19
Generator belt adjusting bar x Cylinder block (See page 14-20)	Nut A	43	438	32
	Bolt B	18	184	13
	Bolt C	8.0	82	71 in.·lbf
Generator bracket No. 2 x Transverse engine engine mounting bracket		28	286	21
Intermediate shaft sub-assy		35	357	26
Drive plate & ring gear x Torque converter		41	418	30
Flywheel housing under cover x Automatic transaxle assy		7.8	80	69 in.·lbf
Front suspension arm x Lower ball joint		127	1,295	94
Tie rod end x Steering knuckle		49	500	36
Front axle hub nut x Front drive shaft		294	2,998	217
Front stabilizer link assy x Front suspension		74	755	55
V-bank cover x Cylinder head cover		7.9	81	70 in.·lbf
Engine mounting stay No. 2 RH x Transverse engine engine mounting bracket		64	653	47
Engine moving control rod (See page 14-20)	Bolt A	64	653	47
	Bolt B	23	235	17
Front wheel		103	1,050	76
Camshaft sub-gear x Main gear		5.4	55	48 in.·lbf
Engine rear oil seal retainer x Cylinder block		8.0	82	71 in.·lbf

SERVICE SPECIFICATIONS - ENGINE MECHANICAL

Part Tightened		N·m	kgf·cm	ft·lbf
Oil pump Assy x Cylinder block (See page 14-38)	10 mm head	8.0	82	71 in·lbf
	12 mm head	20	199	14
	14 mm head	43	439	32
Crank position sensor x Oil pump Assy		8.0	82	71 in·lbf
Oil pan baffle plate x Oil pan sub-assy		8.0	82	71 in·lbf
Oil pan sub-assy x Cylinder block (See page 14-38)	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
Cylinder head x Cylinder block	12 pointed head 1st	54	551	40
	2nd	Turn 90°	Turn 90°	Turn 90°
	Recessed head	19	189	14
Camshaft bearing cap x Cylinder head		16	163	12
Timing belt plate x Oil pump Assy		8.0	82	71 in·lbf
Water pump Assy x Cylinder block		8.0	82	71 in·lbf
Oil level gage guide x Cylinder block		8.0	82	71 in·lbf
Oil filter union x Cylinder block		30	306	22
Timing belt idler bracket x Cylinder block		28	286	21
Timing belt No. 3 cover x Cylinder head		8.5	87	76 in·lbf
Camshaft timing pulley x Camshaft		125	1,275	92
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		34	347	25
Chain tensioner Assy No. 1 x Oil pump Assy		27	280	20
Transverse engine engine mounting bracket x Cylinder block		28	286	21
Timing belt No. 2 cover x Timing belt No. 3 cover		8.5	87	76 in·lbf
Timing belt No. 1 cover x Oil pump Assy		8.5	87	76 in·lbf
Crankshaft pulley x Crankshaft		215	2,192	159
Crank position sensor No. 1 x Cylinder head		8.0	82	71 in·lbf
Cylinder head cover x Cylinder head		8.0	82	71 in·lbf
Spark plug x Cylinder head		18	184	13
W/head straight screw plug No. 1 x Cylinder head		44	449	32
W/head straight screw plug No. 2 x Cylinder head		44	449	32
Connecting rod cap x Connecting rod	1st	25	250	18
	2nd	Turn 90°	Turn 90°	Turn 90°
Main bearing cap x Cylinder block	12 pointed head 1st	22	224	16
	2nd	Turn 90°	Turn 90°	Turn 90°
	6 pointed head	27	275	20
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		50	510	37
Cylinder block w/head straight screw No. 3 plug x Cylinder block		30	306	22
Water seal plate x Cylinder block		18	184	13
Cylinder block water drain cock sub-assy x Cylinder block		39	398	29
Vane pump Assy x Adjusting strut		43	439	32
Generator x Generator bracket		58	591	43
Generator x Adjusting bar		18	184	13
Intake air surge tank x Intake manifold		28	286	21
Front suspension upper brace center x Body		80	816	59
Drive plate & ring gear sub-assy x Crankshaft		83	846	61
Water outlet x Cylinder head		15	153	11
Intake manifold x Cylinder head		15	153	11

Part Tightened	N·m	kgf·cm	ft·lbf
Exhaust manifold heat insulator No.2 x Exhaust manifold LH	8.5	87	55 in·lbf
Exhaust pipe support bracket No.1 x Automatic transaxle assy	21	214	15
Emission control valve set x Emission control valve bracket	8.0	82	71 in·lbf
Surge tank stay No. 2 x Throttle body assy	20	199	14
Cylinder block side cover x Cylinder block	9.0	92	80 in·lbf
Cylinder block side cover drain cock plug x Cylinder block side cover	7.0	71	62 in·lbf
Oil control valve filter x Cylinder head	45	459	33
Cylinder head cover rear x Cylinder head	10	102	7
Camshaft timing gear assy (VVT-i) x Camshaft	150±5	1,530±50	111±4
Camshaft timing oil control valve assy x Cylinder head	8.0	82	71 in·lbf
Exhaust manifold converter sub-assy No. 2 x Exhaust pipe assy FR	62	633	46