

TORQUE SPECIFICATION

Part tightened	N·m	kgf·cm	ft·lbf
Distributor x Cylinder head	18	180	13
No. 1 engine hanger x Cylinder head	41	420	30
No. 2 engine hanger x Cylinder head	41	420	30
Air intake chamber x Intake manifold	21	210	15
Intake manifold x Cylinder head	21	210	15
Heater inlet pipe x Intake manifold	21	210	15
EGR pipe x Cylinder head	21	210	15
EGR pipe x EGR valve Union nut	78	800	58
Water outlet x Cylinder head	21	210	15
Generator bracket x Cylinder head	43	440	32
Cylinder head x Cylinder block	1st 2nd 3rd	39 Turn 90° Turn 90°	400 Turn 90° Turn 90°
Cylinder head x Timing chain cover	21	210	15
Camshaft bearing cap x Cylinder head	16	160	12
Camshaft timing gear x Camshaft	74	750	54
Chain tensioner x Cylinder head	21	210	15
Water bypass outlet x Cylinder head	21	210	15
Heater pipe x Timing chain cover	21	210	15
Heater pipe x Cylinder head	20	200	14
Exhaust manifold x Cylinder head	39	400	29
Heat insulator x Exhaust manifold	19	195	14
Front exhaust pipe x Exhaust manifold	63	630	46
No. 1 support bracket x Transmission	24	240	17
No. 1 support bracket clamp bolt	19.5	195	14
Front exhaust pipe x Rear TWC	46	470	34
No. 2 water bypass pipe x Cylinder head	20	200	14
No. 2 water bypass pipe x No. 1 engine hanger	20	200	14
Fuel inlet hose x Fuel filter	29	300	22
Intake manifold stay x Air intake chamber	36	360	26
Intake manifold stay x Cylinder block	36	360	26
Oil dipstick guide x Intake manifold	20	200	14
Oil dipstick guide x No. 1 oil pan	20	200	14
PS reservoir tank x Air intake chamber	20	200	14
Oil jet x Cylinder block	20	200	14
Vibration damper x Cylinder block	20	200	14
Chain tensioner slipper x Cylinder block	69	700	51
Timing chain cover x Cylinder block	21	210	15
Drive belt idler pulley x Timing chain cover	43	440	32
Crankshaft pulley x Crankshaft	412	4,200	304
Transmission housing x No. 1 oil pan	72	730	53
Oil level sensor x No. 1 oil pan	5.4	55	48 in.·lbf
Water pump x Cylinder block	21	210	15
Radiator pipe x No. 1 oil pan	21	210	15

A/C compressor bracket x No. 1 oil pan		37	375	27
A/C compressor bracket x Cylinder block		37	375	27
A/C compressor x A/C compressor bracket		25	250	18
Oil check valve x Cylinder block		25	250	18
Main bearing cap x Cylinder block	1st	74	750	54
	2nd	Turn 90°	Turn 90°	Turn 90°
Connecting rod cap x Connecting rod	1st	48	490	35
	2nd	Turn 90°	Turn 90°	Turn 90°
Rear oil seal retainer x Cylinder block		21	210	15
Oil cooler cover x Cylinder block		21	210	15
LH engine mounting bracket x Cylinder block		69	700	51
LH insulator x LH engine mounting bracket		72	730	43
RH engine mounting bracket x Cylinder block		69	700	51
RH insulator x RH engine mounting bracket		72	730	43
PS pump x Cylinder block		36	370	27
Knock sensor x Cylinder block		44	450	33
Oil filter union x Cylinder block		44	450	33
Drive plate x Crankshaft		100	1,000	74
Transmission x Cylinder block		72	730	53
Transmission x No. 1 oil pan		72	730	53
Torque converter clutch x Drive plate		55	550	41
A/T oil cooler pipe x Union (Transmission)		34	350	25
Starter x Transmission		39	400	29
Frame crossmember x Frame		61	620	45
Frame crossmember x Engine rear mounting insulator		74	750	54
Engine front mounting insulator x Frame		74	750	54
Transfer shift lever x Transmission		18	185	13
Transmission shift lever assembly x Body		5.4	55	48 in.·lbf
Transmission control rod x Control shaft lever		13	130	9
Front propeller shaft x Front differential		74	750	54
Front propeller shaft x Transfer		74	750	54
Rear propeller shaft x Rear differential		88	900	65
Rear propeller shaft x Transfer		88	900	65
Stabilizer bar bracket mounting bolt		18	185	13
Stabilizer bar x Axle carrier		25	260	19
PS pressure hose x PS pump		56	575	42
Rear TWC x Center pipe		40	400	29
Center pipe x Tailpipe		40	400	29
Heated oxygen sensor (Bank 1 sensor 1) x Front exhaust pipe		20	200	14
Heated oxygen sensor (Bank 1 sensor 2) x Center pipe		20	200	14
No. 2 support bracket x Frame		18.5	185	13
No. 3 support bracket x Frame		18.5	185	13
No. 4 support bracket x Frame		18.5	185	13
Exhaust pipe damper x Tailpipe		19.5	195	14