

TORQUE SPECIFICATION

Part tightened		N·m	kgf·cm	ft·lbf
Distributor x Cylinder head		18	180	13
No. 1 engine hanger, No.2 engine hanger x Cylinder head		41	420	30
Air intake chamber, Heater inlet pipe x Intake manifold		21	210	15
Intake manifold, EGR pipe, Water outlet x Cylinder head		21	210	15
EGR pipe x EGR valve		78	800	58
Generator bracket x Cylinder head		43	440	32
Cylinder head x Cylinder block	1st	39	400	29
	2nd	Turn 90°	Turn 90°	Turn 90°
	3rd	Turn 90°	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, Water bypass pipe x Cylinder head		21	210	15
Cylinder head cover x Cylinder head		12	120	9
Heater pipe x Timing chain cover		21	210	15
Heater pipe x Cylinder head		20	200	14
No. 1 exhaust manifold, No. 2 exhaust manifold x Cylinder head		39	400	29
No. 2 water bypass pipe x Cylinder head, No. 1 engine hanger		20	200	14
Fuel inert hose x Fuel filter		29	300	22
Intake manifold stay x Air intake chamber, Cylinder head		36	360	26
Oil dipstick guide x Intake manifold, No. 1 oil pan		20	200	14
PS reservoir x Air intake chamber		20	200	14
Oil jet, Chain 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
Cylinder block oil orifice x Cylinder block		7.8	80	69 in.·lbf
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
LH front engine mounting bracket x Exhaust manifold		69	700	51
RH front engine mounting bracket x Exhaust manifold		69	700	51
PS pump x Cylinder block		36	370	27
Oil filter union x Cylinder block		44	450	33
Drive plate x Crankshaft		100	1,000	74
Transmission x Cylinder block, No.1 oil pan		72	730	53
Torque converter clutch x Drive plate		55	550	41
A/T oil cooler pipe x Union on 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

LH front engine mounting insulator x Exhaust manifold	74	750	54
RH front engine mounting insulator x Exhaust manifold	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
Stabilizer bar bracket x Stabilizer bar link	18	185	13
Stabilizer bar x Axle carrier	25	260	19
PS pressure hose x PS pump	56	575	42
Radiator pipe x No. 1 oil pan	21	210	15
A/C compressor bracket x No.1 oil pan, Cylinder block	37	375	27
A/C compressor x A/C compressor bracket	25	250	18
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
Front exhaust pipe x Exhaust manifold	63	630	46
Front exhaust pipe x Rear TWC	46	470	34
Rear TWC, Tailpipe x Center pipe	40	400	29
No. 1 exhaust pipe bracket x Transmission	24	240	17
No. 1 exhaust pipe bracket x Front exhaust pipe	19.5	195	14
No. 2 exhaust pipe support bracket x Frame	18.5	185	13
No. 3 exhaust pipe support bracket x Frame	18.5	185	13
No. 4 exhaust pipe support bracket x Frame	18.5	185	13
Exhaust pipe damper x Tailpipe	19.5	195	14