

Crankshaft	Thrust clearance	STD	0.020–0.220 mm (0.0008–0.0087 in.)
		Limit	0.30 mm (0.0118 in.)
	Thrust washer thickness		2.440–2.490 mm (0.0961–0.0980 in.)
	Main journal bore diameter on cylinder block (with main bearing)		67.026–67.033 mm (2.8388–2.6391 in.)
	Main journal oil clearance	STD	0.026–0.045 mm (0.0010–0.0018 in.)
		Limit	0.055 mm (0.0022 in.)
	Main journal diameter		66.988–67.000 mm (2.6373–2.6378 in.)
	Main bearing center wall thickness (Reference)	Mark 1	2.486–2.489 mm (0.0979–0.0980 in.)
		Mark 2	2.489–2.492 mm (0.0980–0.0981 in.)
		Mark 3	2.492–2.495 mm (0.0981–0.0982 in.)
		Mark 4	2.495–2.498 mm (0.0982–0.0983 in.)
		Mark 5	2.498–2.501 mm (0.0983–0.0985 in.)
	Crank pin diameter		51.982–52.000 mm (2.0465–2.0472 in.)
	Circle runout	Limit	0.08mm (0.0031 in.)
Main journal taper and out-of-round	Limit	0.02mm (0.0008 in.)	
Crank pin taper and out-of-round	Limit	0.02mm (0.0008 in.)	

EGOC6-0C

## TORQUE SPECIFICATION

Part tightened	N·m	kgf·cm	ft·lbf
No.1 idler pulley x Cylinder Block	34	350	25
No.2 idler pulley x Cylinder block	34	350	25
Hydraulic pump x Cylinder block	for 12 mm head	16	12
	for 14 mm head	30	22
Crankshaft pulley x Crankshaft	245	2,500	181
Camshaft timing pulley x Camshaft	108	1,100	80
Timing belt tensioner x Oil pump	26	270	20
Spark plug x Cylinder head	18	180	13
Drive belt tensioner x Cylinder block	16	160	12
Generator x Generator bracket	37	380	27
Generator x Cylinder block	37	380	27
Distributor housing x Cylinder head	18	185	13
Distributor rotor x Camshaft timing pulley	3.8	39	34 in. lbf
Distributor cap x Distributor housing	3.8	39	34 in. lbf
RH No.2 timing belt cover x Cylinder block	for 12 mm head	18	13
Drive belt idler pulley x Fan bracket	37	380	27
A/C compressor x Cylinder block	49	500	36
A/C compressor x Fan bracket	49	500	36
A/C compressor stay x Oil filter bracket	29	300	22
Upper radiator support x Body	12	120	9
Exhaust manifold x Cylinder head	44	450	33
Cylinder head x Cylinder block	1st	39	29
	2nd	Turn 90°	
Camshaft bearing cap x Cylinder head	16	160	12
Cylinder head cover x Cylinder head	5.9	60	52 in.·lbf
Engine hanger x Cylinder head	37	380	27
EGR pipe x RH exhaust pipe	18	185	13
Rear water bypass joint x Cylinder head	18	185	13

Front water bypass joint x Cylinder head		18	185	13
Intake manifold x Cylinder head		18	185	13
Delivery pipe x Intake manifold		18	185	13
Fuel return pipe x Fuel pressure regulator		35	360	26
Fuel inlet hose x Delivery pipe		39	400	29
	for SST	33	340	24
Cold start injector x Air intake chamber		7.8	80	69 in.·lbf
Air intake chamber x Intake manifold		18	185	13
EGR pipe x Air intake chamber		18	185	13
EGR pipe x RH cylinder head		18	185	13
Cold start injector tube x Air intake chamber		15	150	11
Union (for brake booster) x Air intake chamber		29	300	22
Throttle body x Air intake chamber		18	185	13
IAC valve x Air intake chamber		18	185	13
EGR valve adaptor x Air intake chamber		18	185	13
EGR valve x EGR valve adaptor		18	185	13
Timing belt rear plate x Cylinder head		7.8	80	69 in.·lbf
Water outlet housing x Water pump		18	185	13
Main bearing stud bolt x Cylinder block		15	150	11
Main bearing cap x Cylinder block	for nut (1st)	27	275	20
	(2nd)	Turn 90°		
	for bolt	49	500	36
Connecting rod cap x Connecting rod	1st	25	250	18
	2nd	Turn 90°		
Rear oil seal retainer x Cylinder block		7.8	80	69 in.·lbf
Water seal plate x Cylinder block		14	145	10
Generator bracket x Cylinder block		18	185	13
Oil pump x Cylinder block	12 mm head	16	160	12
	14 mm head	30	310	22
No.1 oil pan x Cylinder block	10 mm head	7.8	80	69 in.·lbf
	12 mm head	18	185	13
No.1 oil pan x Oil pump		7.8	80	69 in.·lbf
No.1 oil pan x Rear oil seal retainer		7.8	80	69 in.·lbf
Oil strainer x Cylinder block		7.8	80	69 in.·lbf
Oil strainer x Oil pump		7.8	80	69 in.·lbf
Oil pan baffle plate x No.1 oil pan		7.8	80	69 in.·lbf
No.1 oil pan x No.2 oil pan		7.8	80	69 in.·lbf
Water pump x Cylinder block		18	185	13
Water bypass pipe x Cylinder Block		18	185	13
Knock sensor x Cylinder block		44	450	33
Starter x Cylinder block		39	400	29
Engine mounting bracket x Cylinder block		37	380	27
Drive plate x Crankshaft		98	1,000	72
Transmission x Cylinder block		57	580	42
Transmission x No.1 oil pan		39	400	29
Drive plate x Torque converter		33	340	25
Transmission oil cooler pipe x Transmission	for union nut	34	350	25
Rear engine mounting member x Body		25	250	19
Rear engine mounting member x Rear engine mounting insulator		13	135	10

Front suspension crossmember x Engine mounting insulator		59	600	43
PS pump x Cylinder head	for bolt	39	400	29
	for nut	43	440	32
Propeller shaft x Transmission		79	805	58
Propeller shaft x Differential		79	805	58
Propeller shaft x Body		37	375	27
Center floor crossmember brace x Body		13	130	9
Fuel inlet hose x Fuel tube		30	310	22
TWC (Front) x Exhaust manifold		62	530	46
Front exhaust pipe x TWC (Front)		43	440	32
Front exhaust pipe support bracket x Transmission		43	440	32
Front exhaust pipe x Center Exhaust pipe		43	440	32
Center exhaust pipe x Tailpipe		44	195	14
Main heated oxygen Exhaust manifold		44	450	33
Sub heated oxygen sensor x Front exhaust pipe		44	450	33