

TORQUE SPECIFICATION

Part tightened	N·m	kgf·cm	ft·lbf
No.3 timing belt cover x Cylinder head	8.0	80	71 in·lbf
Intake air connector x Air intake chamber	28	280	21
Throttle body bracket x Cylinder head	21	210	15
Timing belt plate x Oil pump	8.0	80	71 in·lbf
Idle pulley x Oil pump	35	350	26
No.1 timing belt cover x Oil pump	8.0	80	71 in·lbf
Camshaft timing pulley x Camshaft	81	810	60
Straight screw plug x Camshaft timing pulley	15	150	11
No.1 oil pipe x No.3 camshaft bearing cap	55	550	41
Cylinder head cover x Cylinder head	8.5	85	75 in·lbf
High-tension cord x Cylinder head cover	8.0	80	71 in·lbf
Timing belt tensioner x Oil pump	27	270	20
Crankshaft pulley x Crankshaft	330	3,300	243
Drive belt tensioner x Cylinder head	21	210	15
No.2 timing belt cover x Cylinder head	8.0	80	71 in·lbf
PS pump front bracket x PS vane pump	58	590	43
PS pump front bracket x Cylinder block	52	530	38
Camshaft bearing cap x Cylinder head	20	200	14
ECT sensor x Cylinder head	19.6	200	14
Engine hanger x Cylinder head	40	400	30
Water outlet x Cylinder head	28	280	21
Cylinder head x Cylinder head	1st 35 2nd Turn 90° 3rd Turn 90°	350 Turn 90° Turn 90°	26 Turn 90° Turn 90°
No.3 camshaft bearing cap x Cylinder head Hexagon bolt	5.0	50	44 in·lbf
No.4 timing belt cover x Cylinder head	8.0	80	71 in·lbf
Cylinder head cover x Cylinder head	8.5	85	75 in·lbf
Intake manifold x Cylinder head	28	280	21
Manifold stay x Intake manifold	40	400	30
Manifold stay x Cylinder block	40	400	30
Vacuum control valve set x Intake manifold	21	210	15
Exhaust manifold x Cylinder head	40	408	30
Front exhaust pipe x Exhaust manifold	44	440	32
Pipe support bracket x Transmission	44	440	32
PS vane pump x Cylinder block	57.9	590	43
PS vane pump x A/C compressor	57.9	590	43
PS pump rear stay x PS pump bracket	39.2	400	29
PS pump rear stay x Manifold stay	39.2	400	30
Engine hanger x Cylinder head	40	400	30
Rear support member x Body	25.5	260	19
Drive plate x Crankshaft	83	850	61
Transmission x Cylinder block	72	730	53
Starter x Transmission	37	380	27
No.1 oil pan x Transmission	37	380	27

2001 LEXUS GS300/GS430 (RM791U)

SERVICE SPECIFICATIONS – ENGINE MECHANICAL (2JZ-GE)

Part tightened		N-m	kgf-cm	ft-lbf
Drive plate x Torque converter clutch		48	490	35
Rear support member x Engine rear mounting insulator		13.5	135	10
Front suspension crossmember x Engine mounting insulator		70	714	52
PS gear housing x Front suspension member		65	660	48
Sliding yoke x Steering intermediate shaft		35	360	26
Transmission control rod x Shift lever		13	130	9
Transmission control rod x Transmission		13	130	9
A/C compressor x Cylinder block	Stud bolt	26	265	19
	Bolt and nut	52	530	38
Fuel inlet hose x Fuel pipe support		29	300	22
Front suspension member brace x Front suspension member		58	590	43
Front suspension member brace x Strut bar bracket plate		58	590	43
Connecting rod cap x Connecting rod	1st	30	300	22
	2nd	Turn 90°	Turn 90°	Turn 90°
Main bearing cap x Cylinder block	1st	45	450	33
	2nd	Turn 90°	Turn 90°	Turn 90°
Rear oil seal retainer x Cylinder block		6.0	60	53
Engine mounting bracket x Cylinder block		59	590	44
Fuel inlet pipe x Cylinder block		29	290	21
No.1 oil pipe x Cylinder block		55	550	41
Oil filter bracket x Cylinder block		90	900	66
No.2 water bypass pipe x Water pump		21	210	15
No.2 water bypass pipe x Cylinder block		21	210	15
Generator x Water pump		40	400	30
Generator x Cylinder block		40	400	30
Front exhaust pipe x Center exhaust pipe		44	440	32
Center exhaust pipe x Tailpipe		44	440	32
Heated oxygen sensor x Front exhaust pipe		45	450	33