

TORQUE SPECIFICATION

Part tightened	N·m	kgf·cm	ft·lbf
Timing belt plate x Oil pump	8.0	80	71 in·lbf
Idler 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
No. 3 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
Drive belt tensioner absorber x Drive belt tensioner arm	20	200	14
Drive belt tensioner absorber x Drive belt tensioner bracket	20	200	14
Drive belt tensioner Arm x Drive belt tensioner	21	210	15
Drive belt tensioner bracket x Oil pump	28	280	21
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°
Camshaft bearing cap x Cylinder head	20	200	14
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
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	410	30
Front exhaust pipe x Exhaust manifold	43	438	32
PS vane pump x Cylinder block	58	590	43
PS vane pump x A/C compressor	58	590	43
PS pump rear stay x PS pump bracket	39.2	400	29
PS pump rear stay x Manifold stay	39.2	400	29
Drive plate x Torque converter clutch	48	490	35
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

2005 LEXUS IS300 (RM1140U)

Author :

Date :

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SERVICE SPECIFICATIONS - ENGINE MECHANICAL

No. 1 oil pan x Transmission		37	380	27
Torque converter clutch x Drive plate		48	490	35
Suspension member x Body		70	714	52
Engine rear mounting member x Transmission		13.5	135	10
Engine rear mounting member x Body		25.5	260	19
Lower arm x Steering knuckle		245	2,500	181
Shock absorber x Steering knuckle		64	650	47
Stabilizer bar x Body	Bolt	18	180	13
	Nut	49	500	30
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		119	1,120	88
Front suspension member brace x Body		58	590	43
Main bearing cap x Cylinder block	1st	45	450	33
	2nd	Turn 90°	Turn 90°	Turn 90°
Connecting rod cap x Connecting rod	1st	30	300	22
	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 Exhaust manifold		43	438	32
Front exhaust pipe x Center exhaust pipe		43	438	32
Center exhaust pipe x Tailpipe		43	438	32
Tailpipe bracket x Body		13	133	10