

**4.0L V8
Selected Block**

1992 Lexus SC 400

For Lextreme Powertrain 2020 S. Hacienda Blvd. # D Hacienda Heights California 91745

Copyright © 1998 Mitchell Repair Information Company, LLC

Sunday, May 11, 2003 09:56PM

TORQUE SPECIFICATIONS

TORQUE SPECIFICATIONS TABLE

Application	Ft. Lbs. (N.m)
A/C Compressor	
Bolt	36 (49)
Nut	22 (30)
Air Intake Chamber Bolt/Nut	13 (18)
Camshaft Bearing Cap Bolt (1)	12 (16)
Camshaft Sprocket Bolt	80 (109)
Catalytic Converter-To-Exhaust Manifold Nut	46 (62)
Catalytic Converter-To-Exhaust Pipe Bolt	32 (43)
Cold Start Injector Fuel Line-To-Delivery	
Pipe Union Bolt	11 (15)
Connecting Rod Cap Bolt	
Step 1	18 (24)
Step 2	Additional 90 Degrees
Coolant Inlet Housing Bolt	13 (18)
Coolant Inlet Housing Plug	33 (45)
Crankshaft Pulley Bolt	181 (245)
Crossmember Bolt/Nut	
Bolt	19 (26)
Nut	(2)
Cylinder Head Bolt (3)	
Step 1	29 (39)
Step 2	Additional 90 Degrees
Delivery Pipe Nut	13 (18)
Distributor Housing Bolt	13 (18)
Drive Belt Idler Pulley Bolt	27 (37)
Drive Belt Tensioner Bolt/Nut	12 (16)
Drive Plate Bolt	72 (98)
Drive Shaft Center Bearing Bolt	
LS400	27 (37)
SC400	36 (49)
Drive Shaft Flange Bolt	
LS400	58 (79)
SC400	69 (94)
EGR Pipe Nut	13 (18)
EGR Valve Adapter Bolt/Nut	13 (18)
EGR Valve Bolt/Nut	13 (18)
Engine Mount Nut	43 (58)
Exhaust Manifold Nut	
LS400	33 (45)
SC400	29 (39)
Fan Bracket Bolt/Nut (LS400 Only)	

12-mm Head	12 (16)
All Others	22 (30)
Fan Clutch Assembly Nut (LS400 Only)	16 (22)
Front Coolant By-Pass Housing Nut	13 (18)
Fuel Inlet Hose-To-Delivery Pipe	29 (39)
Fuel Return Pipe Union Bolt	26 (35)
Hydraulic Pump Bolt/Nut (SC400 Only)	
12-mm Head	12 (16)
All Others	22 (30)
Intake Manifold Bolt/Nut	13 (18)
ISC Valve Nut	13 (18)
Knock Sensor	33 (45)
Main Bearing Cap	
Bolt (4)	36 (49)
Nut (5)	
Step 1	20 (27)
Step 2	Additional 90 Degrees
No. 1 & No. 2 Idler Pulley Bolt	25 (34)
No. 2 Timing Belt Cover Bolt	
10-mm Head	(6)
12-mm Head	12 (16)
Oil Filter Bracket Bolt/Nut	13 (18)
Oil Pan	
No. 1 Oil Pan Bolt/Nut	
10-mm Head	(6)
12-mm Head	13 (18)
No. 2 Oil Pan Bolt/Nut	(6)
Oil Pump Bolt	
12-mm Head	12 (16)
14-mm Head	22 (30)
Oxygen Sensor-To-Exhaust Pipe	33 (45)
Power Steering Pump	
Bolt	29 (39)
Nut	32 (43)
Pulsation Damper	29 (39)
Rear Coolant By-Pass Housing Nut	13 (18)
Spark Plug	13 (18)
Steering Damper Bolt (LS400 Only)	20 (27)
Throttle Body Bolt/Nut	13 (18)
Timing Belt Tensioner Bolt	20 (27)
Water Pump Bolt/Nut	13 (18)

INCH Lbs. (N.m)

Baffle Plate Bolt/Nut	69 (8)
Center Floor Crossmember Brace Bolt/Nut	108 (12)
Cold Start Injector Bolt	69 (8)
Distributor Cap Bolt	34 (4)
Distributor Rotor Bolt	34 (4)

Main Bearing Stud-To-Cylinder Block	84 (10)
Oil Pump Cover Bolt	96 (11)
Pick-Up Sensor Bolt	56 (7)
Pick-Up Tube Bolt/Nut	69 (8)
Rear Oil Seal Retainer Bolt	69 (8)
Timing Belt Rear Plate Bolt	69 (8)
Valve Cover Bolt	52 (6)

- (1) - Tighten bolts to specification in sequence.
See Fig. 29.
 - (2) - Tighten to 124 INCH lbs. (14 N.m).
 - (3) - Tighten bolts to specification in sequence.
See Fig. 12.
 - (4) - Tighten main bearing cap nuts before tightening bolts.
Bolts are located on along outside of cylinder block.
 - (5) - Tighten nuts to specification in sequence.
See Fig. 51.
 - (6) - Tighten to 69 INCH lbs. (8 N.m).
-