

TORQUE

TORQUE CHART 6.1L ENGINE

DESCRIPTION	N-m	Ft.	In.
Lbs.	Lbs.		
Block Pipe Plugs(1/4 NPT)	20	-	177
(3/8 NPT)	27	-	240
Camshaft Sprocket - Bolt	122	90	-
Camshaft Tensioner Plate - Bolts	28	-	250
Timing Chain Case Cover - Bolts	28	-	250
Lifting Stud	55	40	-
Connecting Rod Cap - Bolts	45plus 60° Turn	33plus 60° Turn	-
Main Bearing Cap - BoltsM-12	28plus 90° Turn	-	-
CrossboltsM-8	21.5	-	-
Cylinder Head - BoltsM-12 Bolts			
Step 1	34	25	-
Step 2	54	40	-
Step 3	Turn 90°	Turn 90°	-
M-8 Bolts			-
Step 1	20	15	-
Step 2	34	25	-
Cylinder Head Cover - Bolts	8	-	70
Exhaust Manifold to Cylinder Head - Bolts	31	-	270
Flexplate to crankshaft - Bolts	95	70	-
Flywheel to crankshaft - Bolts	75	55	-
Front Insulator - Through bolt/nut	95	70	-
Front Insulator to Block - Bolts	95	70	-
Generator - Mounting Bolt	55	40	-
Intake Manifold - Bolts	Refer to Procedure		
Lifter Guide Holder	12	-	106
Piston Oil Cooler Jet - Bolts	13	-	115
Oil Pan - Bolts	12	-	105

Oil Dipstick Tube	6	-	53
Oil Pan - Drain Plug	27	20	-
Oil Pump - Attaching Bolts	28	-	250
Oil Pump Pickup Tube - Bolt and Nut	28	-	250
Rear Seal Retainer Attaching Bolts	15	-	132
Rear Insulator to Bracket	68	50	-
Rear Insulator to Crossmember	41	30	-
Rear Insulator to Transmission	68	50	-
Rear Insulator Bracket - Bolts	68	50	-
Rocker Arm - Bolts	22	-	195
Spark Plugs	-	-	-
Thermostat Housing - Bolts	28	-	250
Throttle Body - Bolts	12	-	105
Vibration Damper - Bolt	176	129	-
Water Pump to Timing Chain	28	-	250
Case Cover - Bolts			