

2009 Vortec 5.3L V-8 (LMG)		6/18/2008
Type:	5.3L Gen IV V-8 Small Block	
Displacement:	5328cc (325 ci)	
Engine Orientation	Longitudinal	
Compression ratio:	<u>9.9:1</u>	
Valve configuration:	overhead valves	
Valves per cylinder	2	
Assembly site:	Romulus, MI St. Catherines, Ontario	
Valve lifters:	hydraulic roller	
Firing order:	1 - 8 - 7 - 2 - 6 - 5 - 4 - 3	
Bore x stroke:	96.01 x 92mm	
Fuel system:	sequential fuel injection	
Fuel Type:	E85 and regular unleaded	
Fuel shut off:	6000 RPM	
Emissions controls:	catalytic converter three-way catalyst positive crankcase ventilation	
Applications:	Horsepower: hp (kw)	
Chevrolet Avalanche Chevrolet Suburban GMC Yukon XL	310 hp (231 kW) @ 5200 rpm 326 hp (243 kW) @ 5300 rpm	SAE CERTIFIED (gasoline as tested) SAE CERTIFIED (E85 Flex Fuel as tested)
Chevrolet Tahoe GMC Yukon	320 hp (239 kW) @ 5200 rpm 326 hp (243 kW) @ 5300 rpm	SAE CERTIFIED (gasoline as tested) SAE CERTIFIED (E85 Flex Fuel as tested)
Chevrolet Silverado GMC Sierra	315 hp (235 kW) @ 5200 rpm 326 hp (243 kW) @ 5300 rpm	SAE CERTIFIED (gasoline as tested) SAE CERTIFIED (E85 Flex Fuel as tested)
Applications:	Torque: lb-ft. (Nm)	
Chevrolet Avalanche Chevrolet Suburban GMC Yukon XL	335 lb-ft (454 Nm) @ 4400 rpm 350 lb-ft (475 Nm) @ 4400 rpm	SAE CERTIFIED (gasoline as tested) SAE CERTIFIED (E85 Flex Fuel as tested)
Chevrolet Tahoe GMC Yukon	340 lb-ft (461 Nm) @ 4200 rpm 350 lb-ft (475 Nm) @ 4400 rpm	SAE CERTIFIED (gasoline as tested) SAE CERTIFIED (E85 Flex Fuel as tested)
Chevrolet Silverado GMC Sierra	338 lb-ft (458 Nm) @ 4400 rpm 350 lb-ft (475 Nm) @ 4400 rpm	SAE CERTIFIED (gasoline as tested) SAE CERTIFIED (E85 Flex Fuel as tested)
MATERIALS		
Block:	cast iron	
Cylinder head:	cast aluminum	
Intake manifold:	composite	
Exhaust manifold:	cast nodular iron	
Main bearing caps:	powder metal	
Crankshaft:	cast nodular iron with undercut and rolled fillets	
Camshaft:	hollow steel	
Connecting rods:	powder metal	
Additional features:	Active Fuel Management™ E85 Flex Fuel Electronic throttle control Extended life accessory drive belt Extended life coolant Extended life spark plugs Oil Life Monitor System	