

2009 Vortec 5.3L V-8 (LC9)		8/25/2008
Type:	5.3L Gen IV V-8 Small Block	
Displacement:	5328cc (325 ci)	
Engine Orientation:	Longitudinal	
Compression ratio:	9.9:1	
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	310 hp (231 kW) @ 5200 rpm	SAE CERTIFIED (gasoline as tested)
Chevrolet Suburban	326 hp (243 kW) @ 5300 rpm	SAE CERTIFIED (E85 Flex Fuel as tested)
GMC Yukon XL		
Chevrolet Silverado	315 hp (235 kW) @ 5200 rpm	SAE CERTIFIED (gasoline as tested)
GMC Sierra	326 hp (243 kW) @ 5300 rpm	SAE CERTIFIED (E85 Flex Fuel as tested)
Chevrolet Silverado XFE	315 hp (235 kW) @ 5200 rpm	SAE CERTIFIED (gasoline as tested)
GMC Sierra XFE	326 hp (243 kW) @ 5300 rpm	SAE CERTIFIED (E85 Flex Fuel as tested)
Chevrolet Tahoe XFE	320 hp (239 kW) @ 5200 rpm	SAE CERTIFIED (gasoline as tested)
GMC Yukon XFE	326 hp (243 kW) @ 5300 rpm	SAE CERTIFIED (E85 Flex Fuel as tested)
Applications:	Torque: lb-ft. (Nm)	
Chevrolet Avalanche	335 lb-ft (454 Nm) @ 4400 rpm	SAE CERTIFIED (gasoline as tested)
Chevrolet Suburban	350 lb-ft (475 Nm) @ 4400 rpm	SAE CERTIFIED (E85 Flex Fuel as tested)
GMC Yukon XL		
Chevrolet Silverado	338 lb-ft (458 Nm) @ 4400 rpm	SAE CERTIFIED (gasoline as tested)
GMC Sierra	350 lb-ft (475 Nm) @ 4400 rpm	SAE CERTIFIED (E85 Flex fuel as tested)
Chevrolet Silverado XFE	338 lb-ft (458 Nm) @ 4400 rpm	SAE CERTIFIED (gasoline as tested)
GMC Sierra XFE	350 lb-ft (475 Nm) @ 4400 rpm	SAE CERTIFIED (E85 Flex fuel as tested)
Chevrolet Tahoe XFE	340 lb-ft (461 Nm) @ 4200 rpm	SAE CERTIFIED (gasoline as tested)
GMC Yukon XFE	350 lb-ft (475 Nm) @ 4400 rpm	SAE CERTIFIED (E85 Flex fuel as tested)
MATERIALS		
Block:	cast aluminum	
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