

2009 Vortec 4.8L V-8 (LY2)		05/22/08	
Type:	4.8L Gen IV V-8 Small Block		
Displacement:	4807cc (293 ci)		
Compression ratio:	9.1:1		
Valve configuration:	overhead valves (2 valves per cylinder)		
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 83mm		
Fuel system:	sequential fuel injection		
Fuel type:	regular unleaded		
Fuel shut off:	6000 RPM		
Emissions controls:	catalytic converter three-way catalyst positive crankcase ventilation		
Engine Orientation	Longitudinal		
Valves per cylinder	2		
Bore Center (mm)	111.76		
Engine Mass	TBD		
Applications:	Horsepower: hp (kw)		
Chevrolet Tahoe GMC Yukon Chevrolet Silverado GMC Sierra	295 hp (220 kW) @ 5600 rpm		SAE CERTIFIED
Chevrolet Express > 10,000lbs GVWR GMC Savana > 10,000lbs GVWR	258 hp (192 kW) @ 4600 rpm		SAE CERTIFIED
Chevrolet Express < or = to 10,000lbs GVWR GMC Savana < or = to 10,000lbs GVWR	279 hp (208 kW) @ 5200 rpm		SAE CERTIFIED
Applications:	Torque: lb-ft. (Nm)		
Chevrolet Tahoe GMC Yukon Chevrolet Silverado GMC Sierra	305 lb-ft (414Nm) @ 4600 rpm		SAE CERTIFIED
Chevrolet Express >,< or = to 10,000lbs GVWR GMC Savana >,< or = to 10,000lbs GVWR	294 lb-ft (399Nm) @ 4500 rpm		SAE CERTIFIED
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:	Electronic throttle control Extended life accessory drive belt Extended life coolant Extended life spark plugs Oil Life Monitor System		