**Option Engine:**

LS 5.3L, Iron Block

Performance specifications:

Compression Ratio: 9.5:1

Horsepower Rating: 270-295 HP

Torque Rating: 315-335 ft.-lbs.

LM7 applications:

2002-2005 Cadillac Escalade 2WD

2002-2006 Chev. Avalanche

2003-2007 Chev. Express/GMC Savana

1999-2007 Chev. Silverado 1500

1999-2007 GMC Sierra 1500

2000-2006 Chev. Suburban/GMC Yukon XL 1500

2000-2006 Chev. Tahoe/GMC Yukon

**Engine Block Specification:**

Casting Numbers: 12567392, 12567393, 12551358

Displacement: 5.3L/325 cid

Bore Diameter: 3.780 in.

Stroke 3.622 in.

Deck Height: 9.230-9.240 in.

Bore Spacing: 4.400 in.

Cam Housing Bore Diameter: Bore 1/5 = 2.326, Bore 2/4 = 2.317, Bore 3 = 2.307 (1999-2003)

Bore 1/5 = 2.346, Bore 2/4 = 2.326, Bore 3 = 2.307 (2003-2007)

**Cylinder Head Specifications**

Casting numbers: 862,706 Aluminum

**Camshaft:**

Valve Lift (int./exh) 0.457 in./0.466 in.

**Valvetrain:**

Lifter Style: hydraulic roller

Intake valve diameter: 1.890 in.

Exhaust value diameter: 1.550 in.

**Items Necessary to complete installation:**

**Intake manifold**:

Edelbrock Performer RPM LS1 intake Manifold Kits 7118, Kit includes a wiring harness and an MSD ignition controller

LS square port gaskets. Option #1 Dorman Part # 615183G, Option #2, Edelbrock part # 7386

LS engine mount part # KRC 79000000

Electric cooling fan

Electric fuel pump and regulator

**Oil Pan:**

98 Camaro with oil level sensor

Stock manifold 2 bolt flange

Header research in progress

Carburetor : Rochester 2 barrel