**8.0L LFI**

**BRUTE STRENGTH WITH ADAPTABILITY**

When it comes to grunt work — like pulling your car hauler or boat — Chevrolet Performance’s heavy-duty 8.0L Big-Block delivers strong, low-rpm torque. In fact, it peaks at 475 lb-ft of torque at only 3200 rpm, allowing you to pull a trailer confidently on the steepest grades.

A tall-deck version of the latest block casting, featuring full-length water jackets, thicker main bearing webs, and four-bolt main caps, is the 8.0L’s foundation, and it’s used with a forged-steel crankshaft and forged connecting rods for great strength. A long, 4.250” stroke helps maximize torque. It also features a crank-triggered ignition system, with 4x camshaft and 58x crankshaft reluctor wheels.

**INSTALLATION NOTES**

- Designed for CNG/LPG on-highway applications
- Tall-deck block design (10.2” deck height)
- Full-length water jackets (non-siamesed cylinders)
- Thicker main bearing webs with four-bolt main caps
- Forged-steel crankshaft and connecting rods
- Double-row roller timing chain
- Anodized pistons with full floating wrist pins offer CNG/LPG capability
- Hardened valve seats for CNG/LPG durability
- Adjustable valve train
  - “Fast Burn” cylinder heads for fuel efficiency and power
- 58x crankshaft positioning sensor capability
- 4x camshaft positioning sensor capability
- Flat-response knock sensor capability
- Coil-near-plug configuration

**SPECIFICATIONS**

- **TYPE:** 8.0L Chevy Big-Block V-8
- **DISPLACEMENT:** 488 ci
- **COMPRESSION RATIO:** 9.9:1 nominal
- **VALVE TRAIN:** Fully-adjustable
- **BALANCE:** Internal
- **CAMSHAFT TYPE:** Hydraulic roller
- **FIRING ORDER:** 1 - 8 - 7 - 2 - 6 - 5 - 4 - 3
- **BORE X STROKE:** 4.270 x 4.250 in
- **FUEL TYPE:** LPG/CNG
- **MAXIMUM RECOMMENDED ENGINE SPEED:** 4500 rpm
- **HORSEPOWER:**
  - Gas: 375 hp @ 4200 rpm
  - CNG: 315 hp @ 4500 rpm
- **TORQUE:**
  - Gas: 475 lb-ft @ 3200 rpm
  - CNG: 390 lb-ft @ 3500 rpm
- **PISTONS:** Hypereutectic alloy
- **CYLINDER HEAD:** Fast-burn iron
- **INTAKE MANIFOLD:** Stainless steel
- **EXHAUST MANIFOLD:** Stainless steel
- **CRANKSHAFT:** Forged steel
- **CONNECTING RODS:** Forged steel
- **DAMPER:** Cast iron