

GM Powertrain Ups the Standard Again

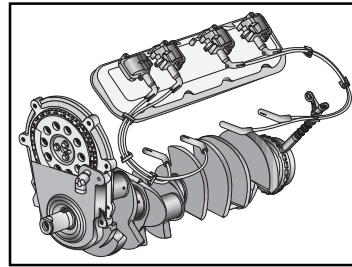
This third version of the high-performance Vortec 8100 V-8 has set powerboat racing records.

The Vortec HP3 8100 marine engine was targeted for the performance recreational market, but it has already proved to be a serious racecourse contender, right out of the box. HP3-powered boats have won several races in the American Power Boat Association (APBA) Offshore Race Series and some have set world records, including achieving speeds of over 105 mph. The HP3 is the third high-performance version of Vortec 8100 V-8s offered by GM Powertrain, and in some applications it has generated over 525 horsepower. Even with all that power, its advanced electronic controls enable it to idle smoothly and provide instant, turnkey starts.



The Vortec HP3 8100 V-8 combines large displacement with advanced technology to produce an extraordinarily powerful engine for engine marinizers.

Key Features

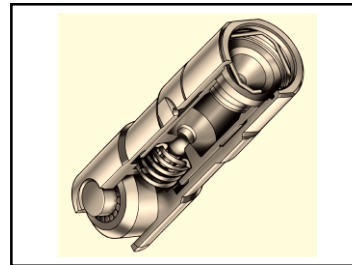
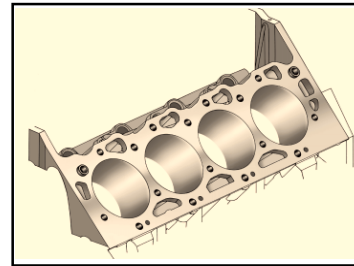


Coil-Near-Plug Ignition System

The coil-near-plug ignition system, with both crankshaft sensor and camshaft sensor, is another example of GM Powertrain bringing advanced automotive technology to the marine engine market.

18-Bolt Cylinder Head

The 18-bolt cylinder head on the Vortec HP3 8100 engine helps minimize distortion and maximize durability.

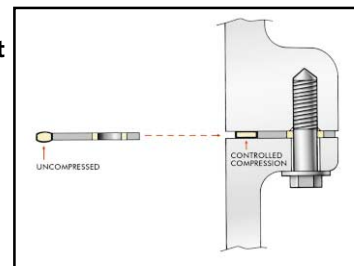


Hydraulic Roller Lifters

Roller rocker arms and hydraulic roller lifters help to provide smooth, quiet and efficient operation.

Controlled-Compression Gasket

The controlled-compression gasket is state-of-the-art technology for long-term protection against oil leaks.



Additional Features

- Five-bearing, cast nodular iron crankshaft has undercut and rolled fillets for added strength
- Camshaft has a performance lift and duration grind, premium race-style valve-springs, 1.7:1 ratio roller rocker arms, dedicated rocker arm studs, and HP3-specific intake and exhaust push rods
- Sintered, powder metal exhaust seat inserts for durability
- Platinum tip long-life spark plugs
- Double roller timing chain
- CNC-machined ported cylinder heads and port-matched intake manifold
- Cast-aluminum oil pan
- Electronic throttle control compatible
- High-volume, high-pressure oil pump

Applications



Marine Applications

A boat powered by the Vortec HP3 8100 marine engine shows "More Power on the Water" during one of nine national American Power Boat Association (APBA) race venues.