

# **ClearTrack** *Technologies*

## **NEW PRODUCT ANNOUNCEMENT**

*Effective April, 2006*

# *the “P-SPRING®”*

‘F1-Style’ Pneumatic Valve Spring V8 Retrofit

(US Patent No. 6,745,738)

- Improves competitive engine performance by:
  - 1). permitting a much higher engine RPM redline because of large dynamic mass reduction when compared to that of conventional coiled-wire competition valve springs
  - 2). elimination of engine valve float and bounce problems at extremely high RPM
  - 3). permitting increased engine torque bandwidth through use of more aggressive camshaft profiles
  - 4). improving overall engine reliability at the same RPM through reduction of catastrophic engine failures triggered by valvetrain deficiencies
  - 5). providing easily configurable valve spring-rates for optimal valve control
  - 6). elimination of conventional coil spring fatigue caused by heat buildup at high RPM
- Replaces competition coil valve springs from 1.42” thru 1.625” O.D., others available.
- Adaptable to most aftermarket cylinder heads without extensive machining
- Eliminates expensive recurring valve spring replacement schedules
- Enables dynamic valve rotation for enhanced valve seat life
- Opens up new camshaft profile frontiers for serious developers

*Available 3<sup>rd</sup> Quarter 2006*

