



## *Professional Technician's Seminar Series* **Fairfax AUTO PARTS**

### **PTS81: Engine Diagnostic Strategies**

- This one night seminar will improve your ability to identify engine mechanical failures.
- This course uses field developed techniques designed to shorten diagnostic time.
- Numerous case studies allow you to see the techniques in action.
- Learn to “think outside the book.”

#### ***Here's what's included:***

Engine mechanical problems can turn on the MIL and cause misfire, surge, and emissions test failures. While it has become easier to find a misfiring cylinder, some mechanical problems disguise themselves as fuel trim DTCs and idle problems. The process of determining what is actually wrong in the engine can be difficult without tear-down. You will have an opportunity to evaluate current testing procedures, and see new test procedures and equipment. Case studies will be used to demonstrate diagnostic procedures using a variety of tools during each example. The goal of this class is to provide you with new techniques to diagnose engine mechanical issues more efficiently, and more accurately. This class does not promote any specific tool or process but will allow you to see them all in action and make an informed decision about your current process. In addition, the class contains information on:

- Mechanical Pattern Failures
- Mechanical Testing Techniques
- Electronic Engine Testing
- Pressure and Vacuum Transducers
- Lab Scope Usage
- Mechanical Function Of New Engine Designs

#### ***What You Will Learn:***

- New tools and techniques that are quick and accurate
- How symptoms can be caused by failures during each phase of 4 stroke operation
- How mechanical failures set DTCs
- How to effectively analyze engine vacuum and pressure lab scope waveforms
- How to make an informed decision on tools for engine diagnosis

**Date:** June 1, 2009 Omia's Restaurant 1015 Drainesville Road Sterling, VA  
June 2, 2009 Best Western 10820 Balls Ford Road Manassas, VA  
June 3, 2009 The Moose Lodge 3529 Chain Bridge Road Fairfax, VA  
June 4, 2009 Holiday Inn Express 6401 Brandon Ave. Springfield, VA

**Time:** Dinner begins at 5:15PM, Class starts at 6:00PM

**Cost:** \$99.00 per Tech

**To Reserve you're Seat:** Contact your Salesman or Parts Store manager.

**PLEASE NOTE THE LOCATION CHANGES FROM PREVIOUS RELEASES.**