



Professional Technician's Seminar Series

Fairfax **AUTO PARTS**

2009 Season Ticket Package.

PTS2009

Fairfax **AUTO PARTS**

Itinerary

Schedule:

Honda/Acura Engine Performance II	2 Night Seminar
April 13 & 14	Manassas
April 15 & 16	Fairfax
Engine Diagnostic Strategies	1 Night Seminar
June 1	Herndon/Sterling
June 2	Manassas
June 3	Fairfax
June 4	Alexandria/Springfield
GM Engine Performance IV	2 Night Seminar
September 21 & 22	Manassas
September 23 & 24	Fairfax
Vehicle Network Diagnostic Strategies	1 Night Seminar
October 26	Herndon
October 27	Manassas
October 28	Fairfax
October 29	Alexandria/Springfield

Location:

Alexandria/Springfield	Holiday Inn Express/ Springfield 6401 Brandon Avenue Springfield, VA 22150 Off I95 @ Keene Mill Rd
Manassas	Best Western Battlefield Inn 10820 Balls Ford Rd Manassas, VA 20109 Off I66 @ RT234
Herndon/Sterling	Omia's Italian Restaurant 1015 Drainesville Road Herndon, VA 20170 Intersection of Drainesville Rd and RT7
Fairfax	The Moose Lodge 3529 Chain Bridge Road Fairfax, VA 22030 Off I66 and RT123

Honda/Acura Engine Performance II

This course is filled with the information needed to fix Honda/Acura vehicles quickly and accurately. Honda/Acura vehicles use unique Air Fuel sensors that can be difficult to diagnose using aftermarket scan tools. A complete system description and operational details are provided along with proven diagnostic techniques. Common failures will be covered such as hard start, high idle complaints, and EGR DTCs. A variety of case studies are used to demonstrate diagnostic techniques. Honda/Acura vehicles use unique scan data PIDs. The effective use of these PIDs will be demonstrated for each system. Field developed techniques and repair tips are included in the class and the manual.

Engine Diagnostics Strategies

Engine mechanical problems can turn on the MIL and cause misfire, surge, and emissions test failures. Technicians can usually identify a misfiring cylinder due to a mechanical problem, but the process of determining what is actually wrong in the engine can be difficult without tear-down. During the class the technician will learn how symptoms can be caused by failures during each phase of 4 stroke operation. The class will evaluate current testing procedures, and introduce new test procedures and equipment. Case studies will be used to demonstrate diagnostic procedures using a variety of tools during each example. The goal is to provide the technician 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 the technician to see them all in action and make an informed decision about their current process.

General Motors Engine Performance IV

This program will focus on General Motor's new ignition systems, fuel systems, throttle controls, and electrical systems. Both common and difficult to diagnose problems that reflect recent changes in GM operating strategies will be covered. Advanced diagnostic techniques using scan data, Failure Records, data graphing and waveform analysis are used throughout this class. This two night program includes 14 diagnostic case studies covering a variety of issues from no-start to intermittent DTCs. Field developed techniques and repair tips are included in the class and the manual.

Vehicle Network Diagnostic Strategies

Networks are used to control everything from the head lights to the tail lights on new vehicles. This means that the network can be responsible for engine no-start, transmission shift problems, HVAC failures, ABS DTCs, inoperative lighting and other problems. The network is supposed to simplify diagnosis by allowing scan tool control of components but often adds complexity when the network is “down.” Technicians need a plan of attack when their scan tool will not talk to the vehicle or a specific module. This class will demonstrate diagnostic procedures using tools that the technician already has to diagnose the state of the various communications networks through the use of real world case studies. A variety of scan tools both OE and aftermarket will be used as well as simple test tools and an oscilloscope. This class will help keep technicians “on-line” when diagnosing new vehicles

