



Automotive Training Authority

New Advanced Engine Diagnostics

The Latest in Automobile Technology

This class offers detailed explanations of system operations and will provide you with strategies that will give you the diagnostic advantage. Discover how to interact with the PCM to become fast and accurate when diagnosing drivability problems.

OBD-II is divided into monitors. Understanding these monitors is the key to diagnosing with or without diagnostic trouble codes. Take advantage of knowing how the PCM perform its testing so you can reduce your diagnostic time on problematic vehicles. New technologies such as electronic throttle and variable valve timing are covered. This is not a class about theory. This is about vehicle systems, drivability, and emissions and how to diagnose failures to reduce comebacks.

Diagnosing and repairing driver complaints and concerns correctly will return the vehicles back to a safe and dependable condition. Research has proven that vehicles that are repaired through OBD-II testing perform better and have improved fuel mileage. Each section begins with a discussion about operation and strategies. All OBD-II Diagnostic Tests Modes, one through ten, are covered to allow you to take advantage of the powerful PCM self diagnostics.

- Engine Performance Diagnostics
- Fuel Systems, MAF, and Speed Density
- Primary & Secondary Waveform
- Coil-On-Plug Systems
- Using Freeze Frame and Fail Record Information
- CKP, CMP Scan Data
- Diagnostics Tips & Tricks
- Diagnosing with Pressure Transducers

DATE:
Wednesday June 15th &
Thursday June 16th.

TIME: 6:00 PM – 9:30 PM

PLACE:
City of Denver
Fleet Maintenance
5440 Roslyn St., Bldg. C
Denver CO 80216

COST: \$199.00
Sign up now on Flex Pay!

INCLUDES:
Seat, Reference Manual
& Certificate of Completion

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INSTRUCTOR BIO: DR. NORMAN NALL

Dr. Norman L. (DOC) Nall: Doc is truly a “been there done that” automotive instructor. As a technician, shop owner, manufacturing engineer, and trainer, he has been a leader in diagnostic procedure development and training classes for over four decades. He has authored hundreds of training classes, manuals, and videos for OE manufacturers, colleges, independent training, and equipment companies. His high energy delivery makes your learning experience enjoyable. His simple description of highly complex subjects allows technicians to quickly and accurately understand even the most difficult information. Doc created the Carquest Technical Institute program. His classes are set apart from the industry by being able to take information and fix cars immediately.

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|---------------------|-----------|----------------|-------|-----|
| Date: | Contact: | Company | | |
| Address: | | City: | State | Zip |
| Work Phone: | Fax: | Email Address: | | |
| Credit Card Number: | Exp: Date | (CVV2) | | |
| Attendee Names 1) | 2) | 3) | | |

