



Dodge Cummins Weekend!

Dodge Ram Cummins 5.9L and 6.7L Diagnostic Training

The success of the Powerstroke weekend has brought the need for Dodge Cummins Weekend. This is a weekend course that starts on Friday afternoon and ends on Sunday!

The Dodge ram equipped with common rail injection on both the 5.9L and the 6.7L have brought issues to technicians. Technical information and procedures are available in this course. The 5.9L with CR (common rail) was introduced in 2003. The use of a high pressure fuel system is diagnosed by system to make an accurate assessment on what failed. The low pressure, and return system are checked and procedures are explained. The Cummins 6.7L is also instructed along with additional emission controls and electronics.

Topics that are also covered are:

*Turbocharger diagnosing, Checking the 5.9L vs 6.7L .Compare the wastgate holset with the variable nozzle found on the 6.7L. Instruct on procedures to check boost and turbo actuator testing. Discuss common issues found with both systems.

*Cummins 5.9L wiring inspection and PIN checking at the ECM connector are demonstrated.

*EGR system on the 6.7L is viewed. This includes the issues such as carbon sticking and use of scan tool data are taught and demonstrated.

*After treatment system, the diesel oxidation catalyst (DOC) and the diesel particulate filter operation and regeneration strategies will be instructed.

*Cooling system refill procedures and tests to perform when coolant consumption is an issue.

*How to program and ensure a correct diagnosis for ECM replacement.

*Review Injector wiring and tests to perform when a short or open diagnostic trouble code is set.

*How to retrieve SKIM codes and explain the role they play when you program an ECM.

This class will demonstrate issues you may encounter when working on these trucks. Use of diagnostic scenarios and case studies will be viewed. Along with use of service information and the pros and cons of the Witech, Starmobile are taught.

Length of course: 2.5 days

This course will start on Friday afternoon at 3:00pm where introductions and discussions will be followed by Dodge Cummins theory and operation of various subsystems. Saturday will start at 8:00am and will cover variance between the 5.9L and the early DR 6.7L to the newer DJ 6.7L. Saturday will be all day with hands on exercises on engines and on trucks. Sunday is the last day which will start at 8:00am and will continue on programming and wiring. Emphasis will be on TIPM module programming and wiring issues. Worksheets will be done and hand on exercises on trucks using the scan tool provided. Technicians attending will be using service information to find and diagnostic trouble code information.

Cost: \$580.00

Fee includes books and materials

We highly recommend you bring a laptop or tablet compatible with internet explorer.

About the instructor:

Tony Salas is an Automotive and Diesel Specialist with more than 20 years of experience teaching diesel diagnostics and repair. He has provided contract training for General Motors Fleet and Commercial as well as AC Delco. His training experience includes GM 6.5 and Duramax 6.6L, Ford Powerstroke and various other topics. His experience includes instruction in the post-secondary level where he developed curriculum and taught for the community college in Las Vegas, NV. He also taught classes at the Toyota Urban League Automotive Training Center. Tony holds an associate degree in Automotive and Diesel technology. He is an ASE master technician and holds a teaching credential from Cal State Long Beach. He currently operates Powertrain Performance LLC as a training provider and training consultant.

For more information call us at 702-642-2283

Website: www.powertraining.com