

LBT-149: Duramax Diesel Diagnostics

One of the best places to get diesel information is from the Association of Diesel Specialist (ADS). AVI presents Tony Salas, an ADS endorsed instructor with a complete overview of the Duramax diesel engine and its components from a technicians point of view.

In this course, Tony provides tips you need to know on the cooling system, fuel rail injectors and the water pump. He gives you an overview of the Electronic Control Module (ECM) and its relation to the Fuel Injection Control Module (FICM). He also covers fuel system operation and provides starting strategies. Tony also covers schematics of the CAN system and Class 2 data, OEM website information, scan tool diagnostics, trouble codes & expected results.

The class covers the LB7, LLY, and includes a manual that provides an overview of the air intake system, glow plug system, fuel system, emission system, engine management, scan tool control and sensor testing and wiring diagrams for all sub systems. It also provides scan tool charts of all typical PID values, a list of recommended specialty tools with SAE part number, and much more.

Runtime: 126 minutes

Topics Covered

Introduction & Engine Overview
Engine Components
Fuel System Pt. 1 "Pressure & Suction"
Fuel System Pt. 2 "Fuel Return"
ECM Overview
Sensor Overview
Suction Testing
Hands On Scantool Diagnostics, Fuel System Data
Hands On Scantool Diagnostics, Misfire Data



Supplements

Testing Resources
Manual
Videos
Discussion Forum
Certificate

Hands On Scantool Diagnostics, Fuel Rail Pressure
Hands On Scantool Diagnostics, Live Plotting
Hands On Scantool Diagnostics, Balancing Rates
Hands On Scantool Diagnostics, Cylinder Power Balance
Hands On Scantool Diagnostics, Fuel Pressure Control
Hands On Scantool Diagnostics, Induction Data
Diagnostic Trouble Codes
Website Information
Diagnostic Process Review