



## Advanced Gasoline Direct Injection Diagnostics



*Instructor:*

**Jim Wilson**  
**Delphi**

Diagnostic behavior of modern GDI fuel systems across OEM platforms, combustion strategies, injection timing, and mixture control effects on performance and drivability.

- GDI Operation and System Architecture
- Homogeneous, Stratified, and Lean-Burn Combustion Strategies
- Low-Pressure Fuel Supply - Operation and Control
- Mechanical High-Pressure Pump Operation and Regulation
- Fuel Rail Pressure Sensing and Control Strategies
- GDI Scan Tool and Lab Scope Analysis
- Injector and High-Pressure Pump Service Considerations

**Wed 07/15/26**  
**Thu 07/16/26**

**6pm to 8pm**  
*Pacific time zone*

*Code:* **OLT534**  
*Cost:* **\$150 USD**  
*Per Student*



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